

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060568.D
 Acq On : 17 Mar 2020 20:21
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:48 PM

Quant Time: Mar 18 08:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	359514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	142843	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.57	113	106821	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	10.08	98	437732	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	158652	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	109554	53.501	ug/l	99
3) Chloromethane	2.03	50	197032	51.520	ug/l	100
4) Vinyl Chloride	2.16	62	153627	51.358	ug/l	99
5) Bromomethane	2.54	94	70969	54.960	ug/l	99
6) Chloroethane	2.68	64	90363	52.441	ug/l	100
7) Trichlorofluoromethane	3.00	101	187655	50.926	ug/l	98
8) Diethyl Ether	3.38	74	77903	52.627	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	108561	50.844	ug/l	98
10) Methyl Iodide	3.93	142	111865	58.879	ug/l	100
11) Tert butyl alcohol	4.73	59	109756	256.884	ug/l	99
12) 1,1-Dichloroethene	3.72	96	116273	50.746	ug/l	100
13) Acrolein	3.57	56	126562	267.274	ug/l	99
14) Allyl chloride	4.29	41	203702	50.548	ug/l	96
15) Acrylonitrile	4.94	53	333962	265.810	ug/l	100
16) Acetone	3.78	43	264490	257.018	ug/l	99
17) Carbon Disulfide	4.03	76	367511	52.739	ug/l	99
18) Methyl Acetate	4.29	43	146525	50.586	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	398039	50.528	ug/l	97
20) Methylene Chloride	4.52	84	128406	50.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	124785	51.100	ug/l	98
22) Diisopropyl ether	5.92	45	440232	51.708	ug/l	97
23) Vinyl Acetate	5.86	43	1862337	268.094	ug/l	99
24) 1,1-Dichloroethane	5.82	63	239664	51.637	ug/l	99
25) 2-Butanone	6.80	43	441898	265.370	ug/l	100
26) 2,2-Dichloropropane	6.80	77	177065	48.488	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	142142	51.222	ug/l	99
28) Bromochloromethane	7.17	49	115777	52.138	ug/l	100
29) Tetrahydrofuran	7.18	42	305265	259.093	ug/l	100
30) Chloroform	7.35	83	224849	50.534	ug/l	99
31) Cyclohexane	7.63	56	229266	48.998	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	196836	51.316	ug/l	99
36) 1,1-Dichloropropene	7.77	75	180443	51.833	ug/l	99
37) Ethyl Acetate	6.90	43	192257	51.112	ug/l	99
38) Carbon Tetrachloride	7.75	117	160994	51.600	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060568.D
 Acq On : 17 Mar 2020 20:21
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN031820

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:48 PM

Quant Time: Mar 18 08:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	208990	50.517	ug/l	98
40) Benzene	8.02	78	531681	50.593	ug/l	100
41) Methacrylonitrile	7.15	41	81947m	51.047	ug/l	
42) 1,2-Dichloroethane	8.10	62	182362	50.777	ug/l	99
43) Isopropyl Acetate	8.14	43	318019	51.265	ug/l	100
44) Trichloroethene	8.82	130	137292	51.824	ug/l	99
45) 1,2-Dichloropropane	9.10	63	142096	51.243	ug/l	99
46) Dibromomethane	9.19	93	86328	51.495	ug/l	100
47) Bromodichloromethane	9.39	83	178951	51.369	ug/l	99
48) Methyl methacrylate	9.18	41	142864	51.726	ug/l	97
49) 1,4-Dioxane	9.18	88	33001	1005.234	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	931717	263.939	ug/l	100
52) Toluene	10.14	92	326737	51.482	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	207243	51.791	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	223151	50.833	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	124832	51.126	ug/l	99
56) Ethyl methacrylate	10.42	69	207083	54.394	ug/l	99
57) 1,3-Dichloropropane	10.70	76	216564	51.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	516263	272.841	ug/l	100
59) 2-Hexanone	10.74	43	678868	266.968	ug/l	99
60) Dibromochloromethane	10.89	129	131677	52.209	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129572	52.774	ug/l	100
64) Tetrachloroethene	10.62	164	130438	50.249	ug/l	99
65) Chlorobenzene	11.43	112	331818	50.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	121324	51.241	ug/l	99
67) Ethyl Benzene	11.50	91	623166	51.242	ug/l	99
68) m/p-Xylenes	11.62	106	461492	102.119	ug/l	99
69) o-Xylene	11.94	106	220980	51.223	ug/l	99
70) Styrene	11.96	104	370984	52.580	ug/l	99
71) Bromoform	12.12	173	95395	48.527	ug/l #	100
73) Isopropylbenzene	12.24	105	587980	50.695	ug/l	100
74) N-amyl acetate	12.06	43	280921	52.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179262	51.109	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	164105m	49.209	ug/l	
77) Bromobenzene	12.52	156	141540	50.644	ug/l	99
78) n-propylbenzene	12.59	91	700763	51.141	ug/l	99
79) 2-Chlorotoluene	12.67	91	407650	49.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	499055	50.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66735	51.395	ug/l	99
82) 4-Chlorotoluene	12.77	91	426180	51.109	ug/l	100
83) tert-Butylbenzene	12.99	119	412777	50.590	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	499862	51.334	ug/l	100
85) sec-Butylbenzene	13.17	105	559936	51.034	ug/l	99
86) p-Isopropyltoluene	13.28	119	501025	50.782	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	251813	51.086	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	253382	51.165	ug/l	99
89) n-Butylbenzene	13.61	91	460268	51.671	ug/l	100
90) Hexachloroethane	13.87	117	75812	52.863	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	240216	50.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38018	51.760	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060568.D
Acq On : 17 Mar 2020 20:21
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM

Quant Time: Mar 18 08:55:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	158271	54.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	75407	53.145	ug/l	98
95) Naphthalene	15.13	128	490311	56.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152916	53.638	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

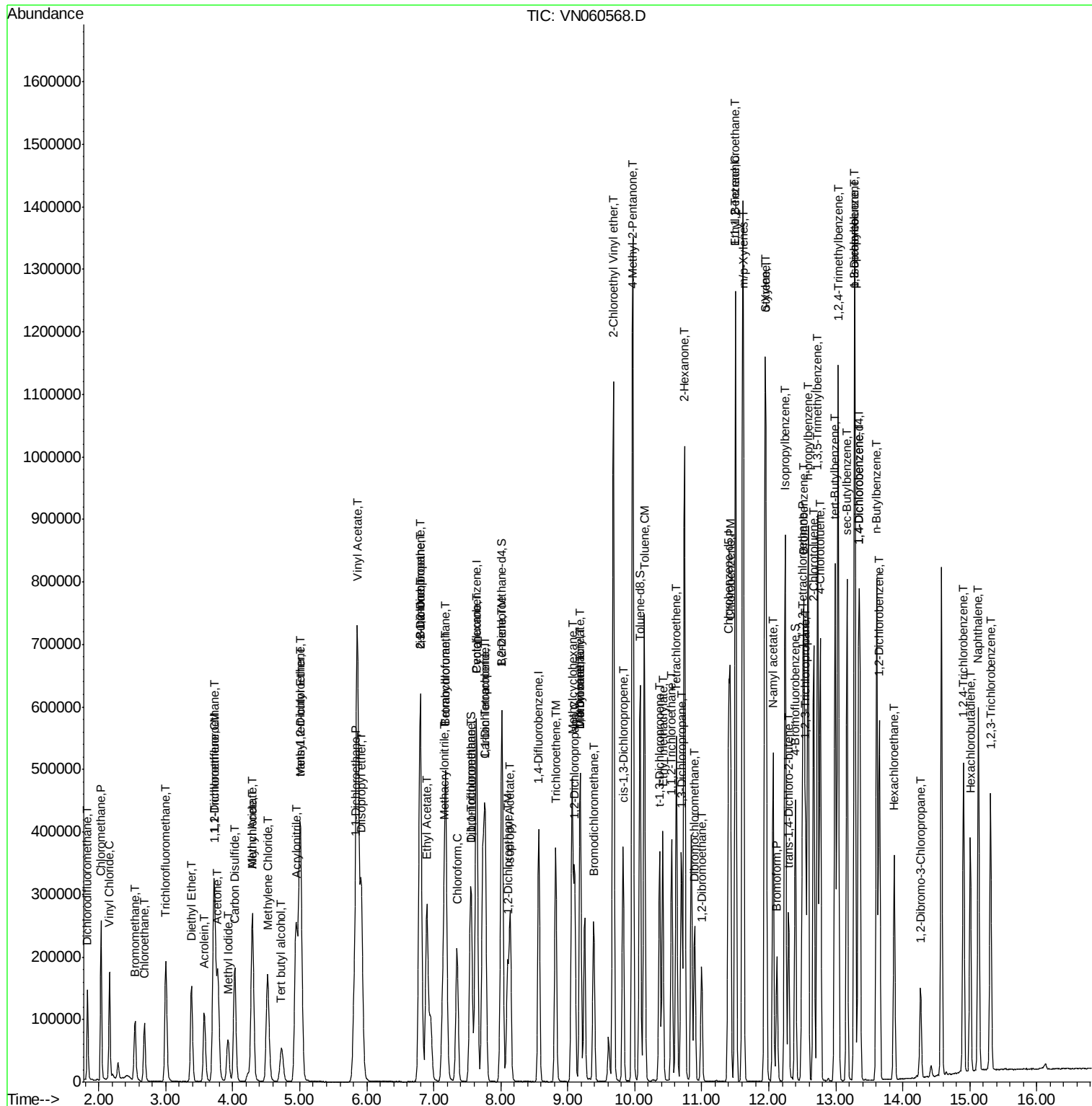
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\
Data File : VN060568.D
Acq On : 17 Mar 2020 20:21
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

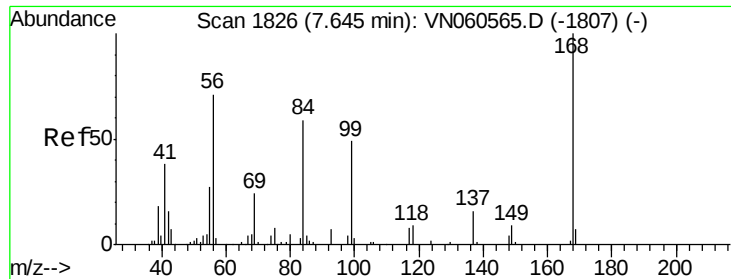
Instrument :
MSVOA_N
Client Sampled :
ICVVN031820

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM

Quant Time: Mar 18 08:55:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion:168 Resp: 211628

Ion Ratio Lower Upper

168 100

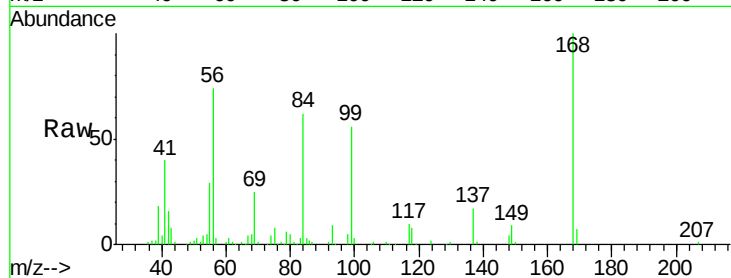
99 56.5 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:48 PM



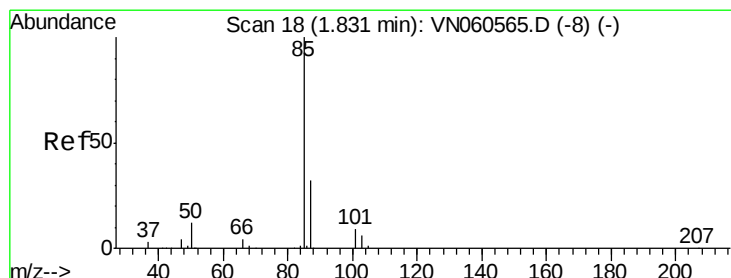
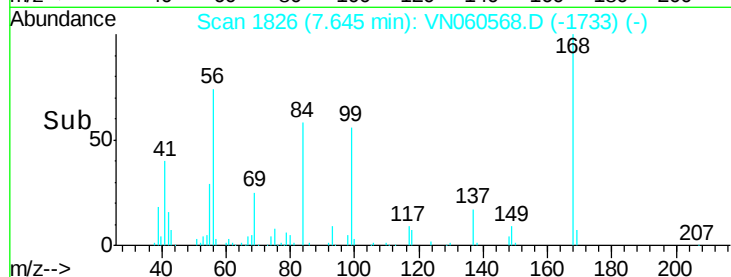
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.501 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060568.D

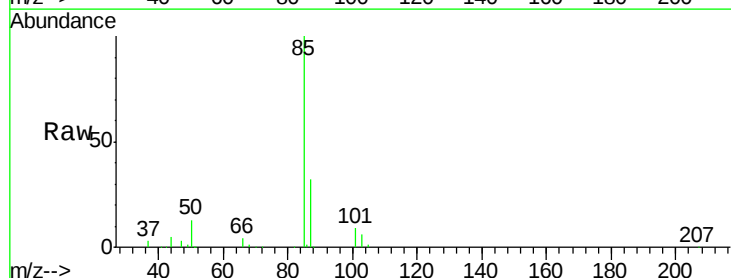
Acq: 17 Mar 2020 20:21

Tgt Ion: 85 Resp: 109554

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



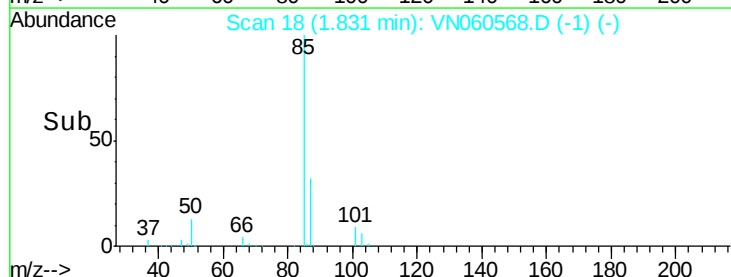
Abundance Ion 84.90 (84.60 to 85.60): VNO

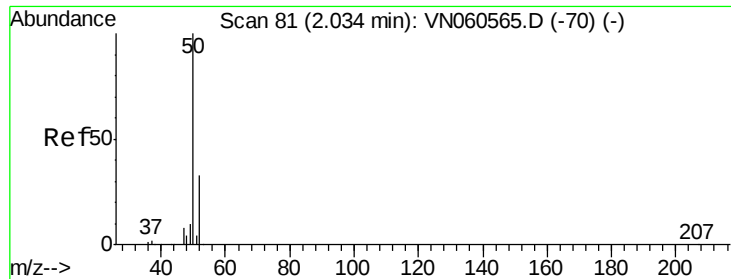
Ion 86.90 (86.60 to 87.60): VNO

1.83

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 51.520 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 50 Resp: 197032

Ion Ratio Lower Upper

50 100

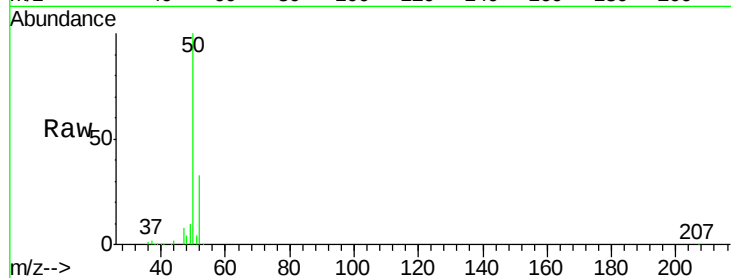
52 32.6 26.2 39.2

Manual Integrations

APPROVED

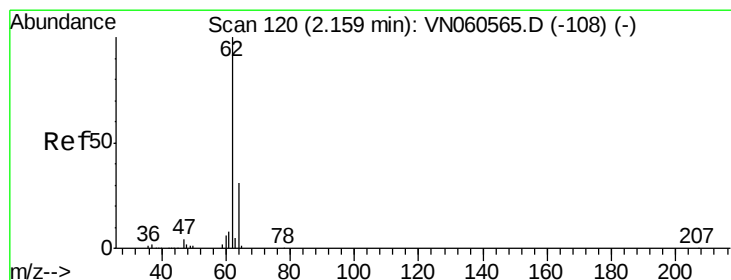
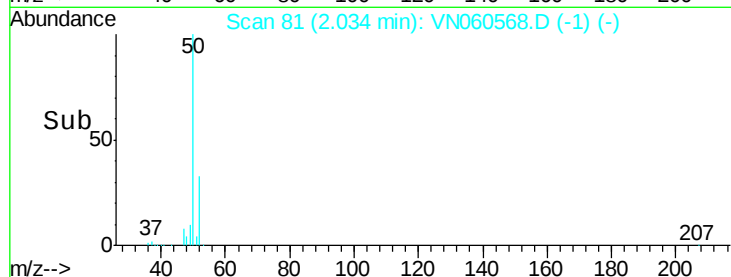
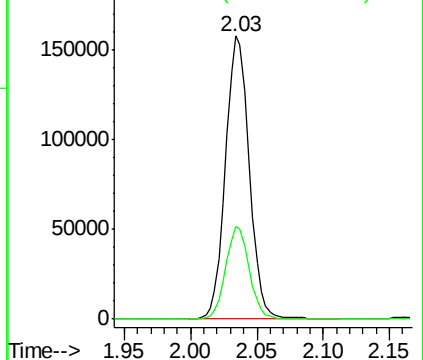
MMDadoda

3/18/2020 7:00:48 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 51.358 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060568.D

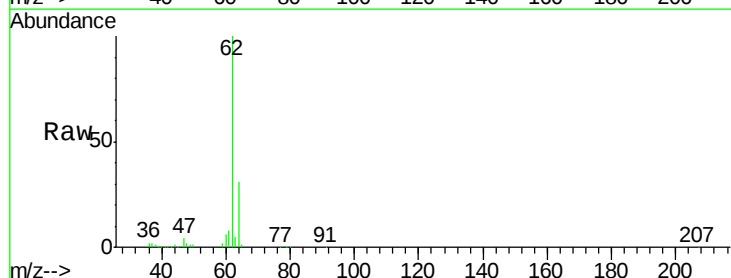
Acq: 17 Mar 2020 20:21

Tgt Ion: 62 Resp: 153627

Ion Ratio Lower Upper

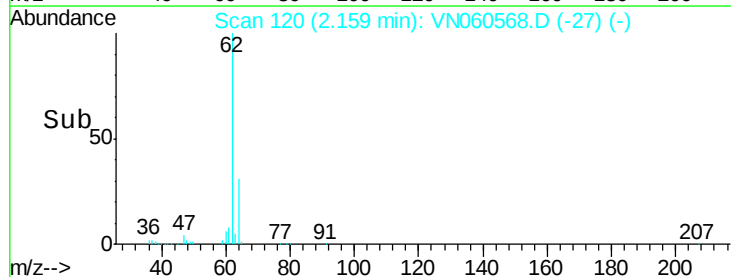
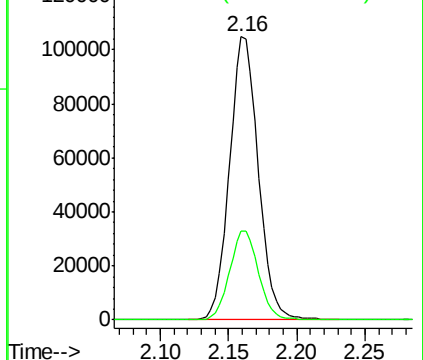
62 100

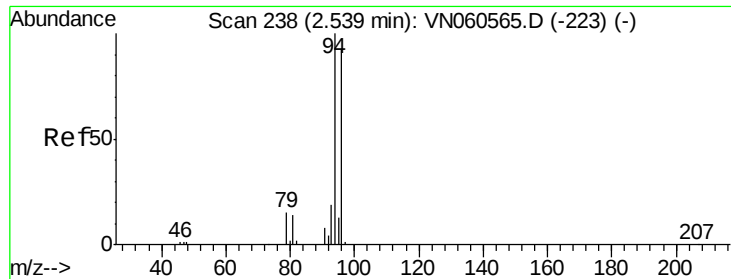
64 31.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 54.960 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 94 Resp: 70969

Ion Ratio Lower Upper

94 100

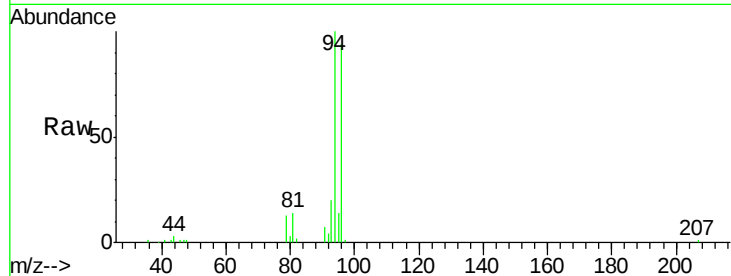
96 93.9 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:48 PM

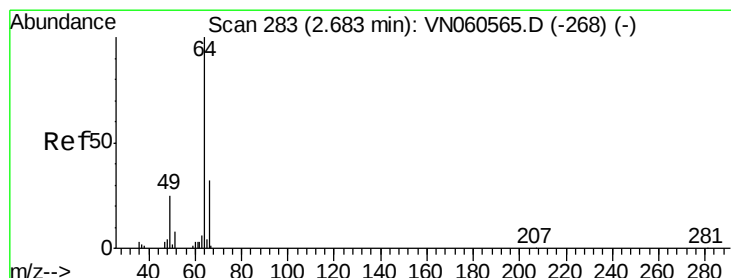
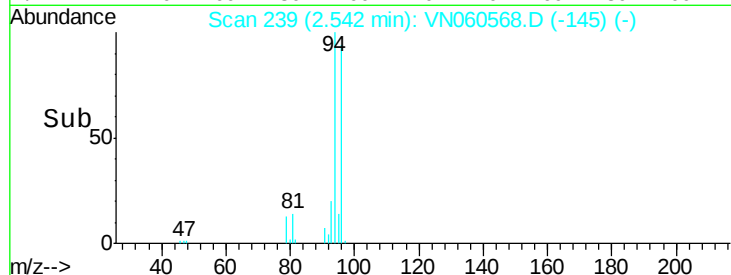


Abundance Ion 93.90 (93.60 to 94.60): VN060568.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060568.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 52.441 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060568.D

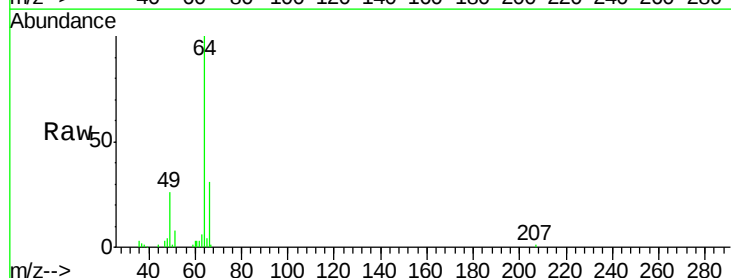
Acq: 17 Mar 2020 20:21

Tgt Ion: 64 Resp: 90363

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9

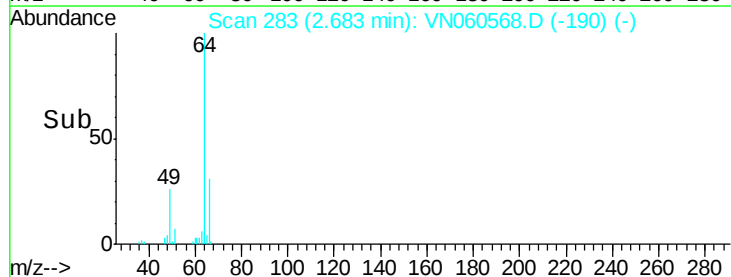


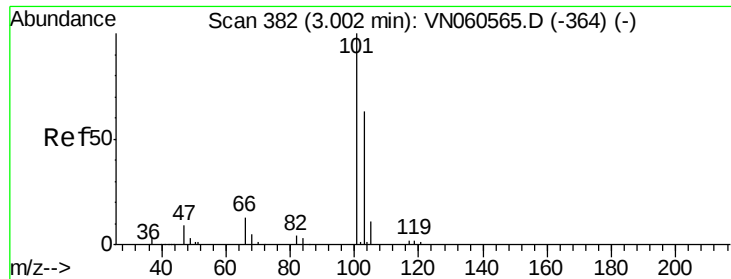
Abundance Ion 63.90 (63.60 to 64.60): VN060568.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060568.D (-190) (-)

2.68

Time-->





#7

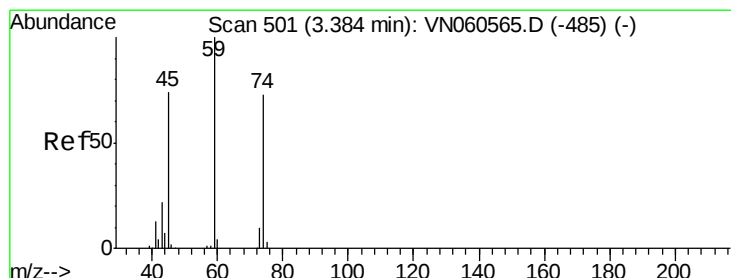
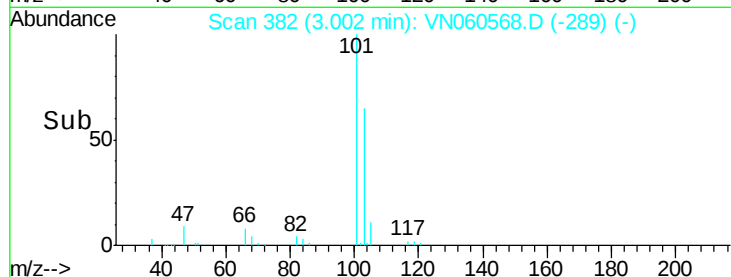
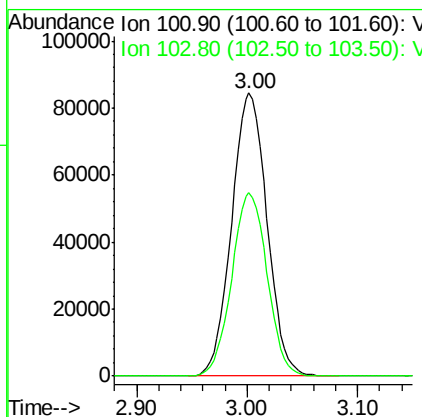
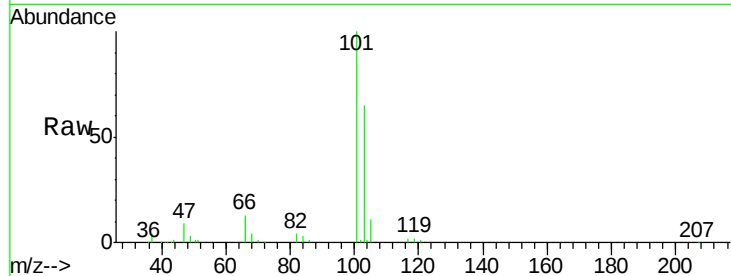
Trichlorofluoromethane
 Concen: 50.926 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.6	76.0

Manual Integrations
 APPROVED

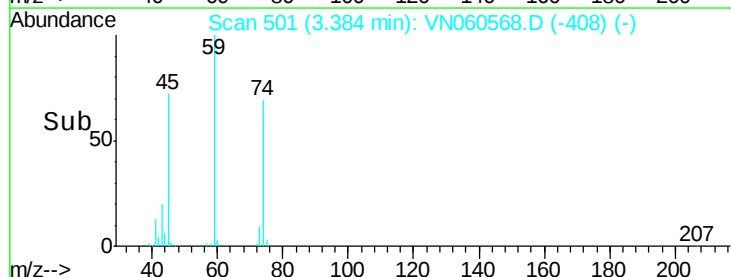
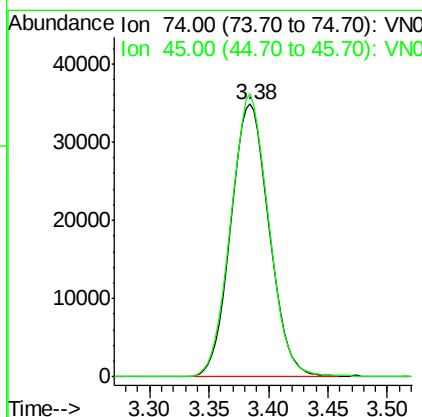
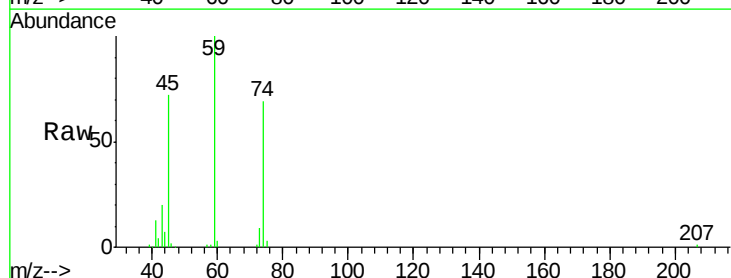
MMDadoda
 3/18/2020 7:00:48 PM

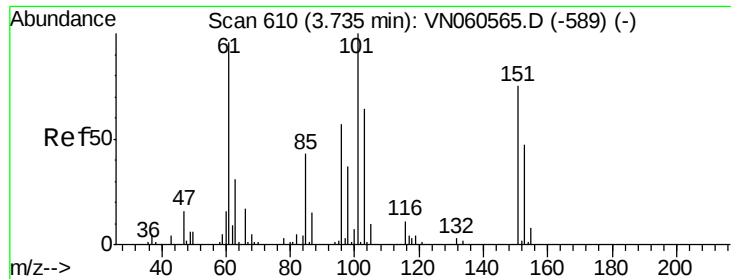


#8

Diethyl Ether
 Concen: 52.627 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.844 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

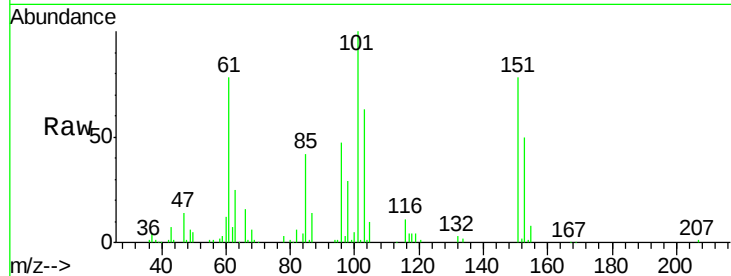
ClientSampleId :

ICVVN031820

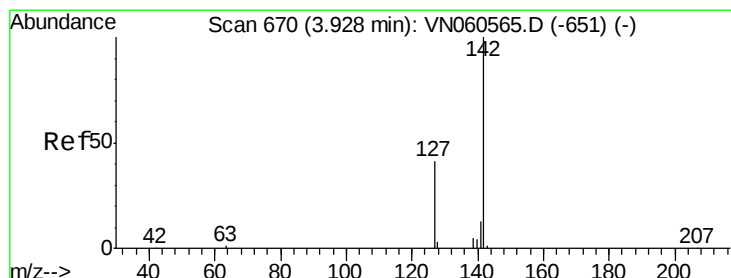
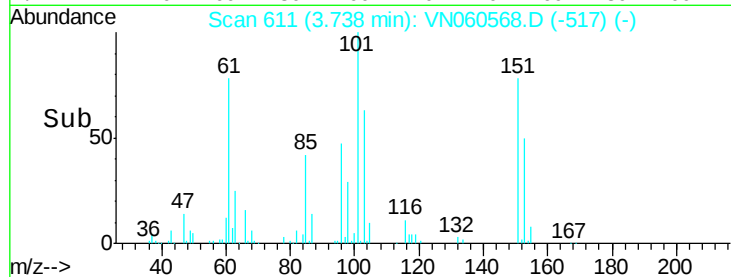
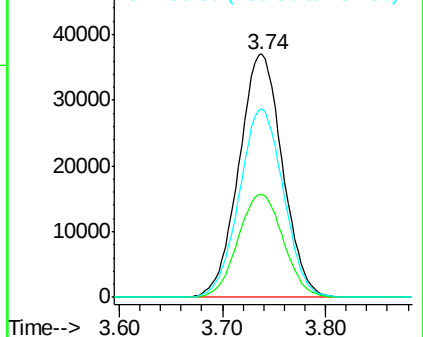
Tot Ion:	101	Resp:	108561
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.6	53.4
151	78.6	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.879 ug/l

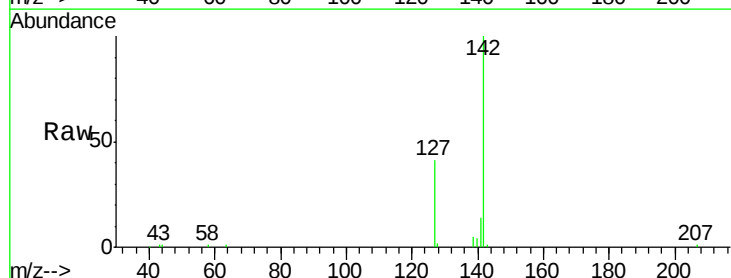
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

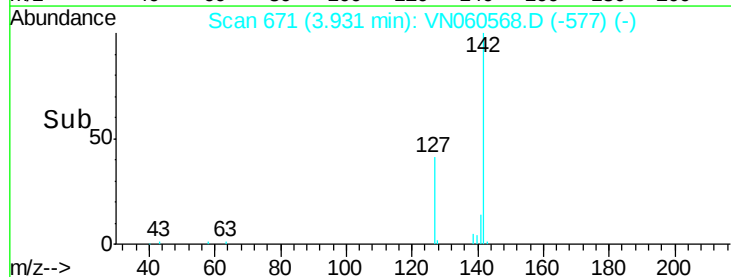
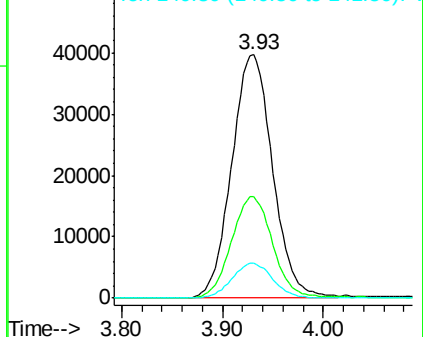
Lab File: VN060568.D

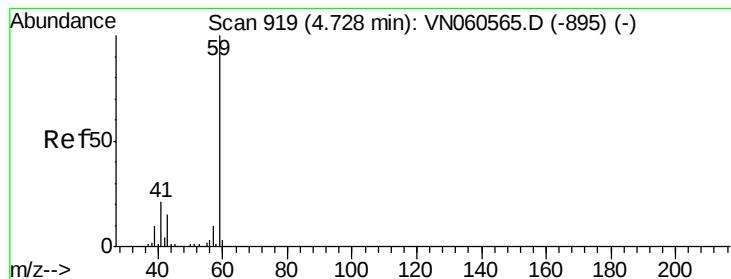
Acq: 17 Mar 2020 20:21

Tgt Ion:	142	Resp:	111865
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.5	50.3
141	14.2	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

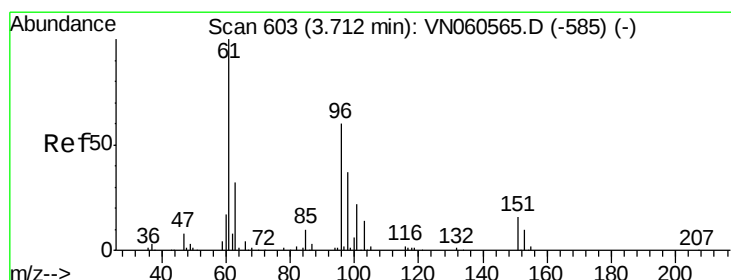
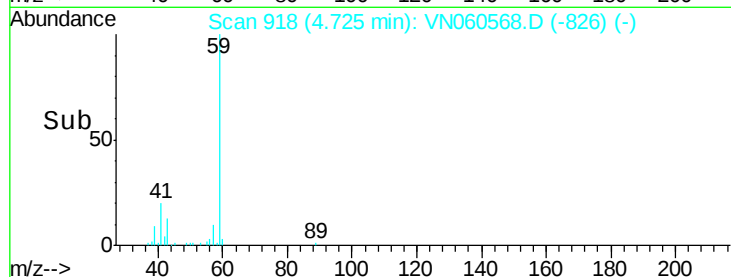
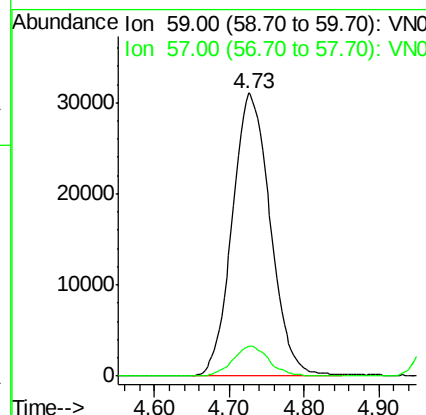
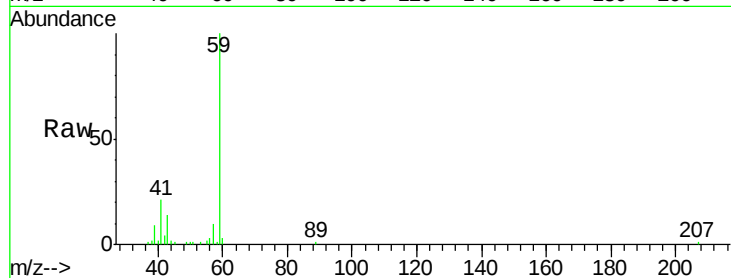
Tert butyl alcohol
Concen: 256.884 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
59	100	109756		
57	10.0		8.2	12.4

Manual Integrations
APPROVED

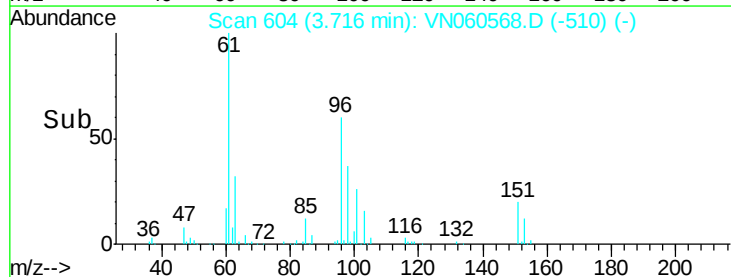
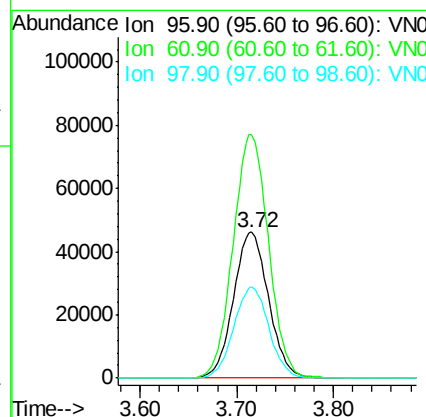
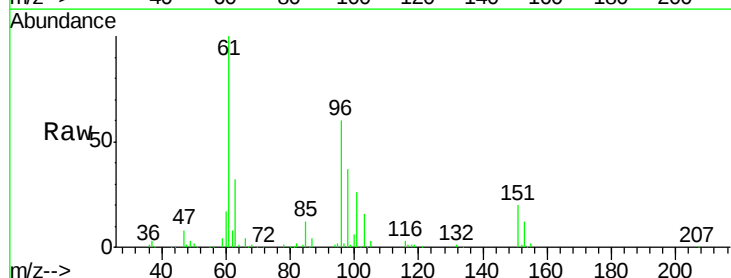
MMDadoda
3/18/2020 7:00:48 PM

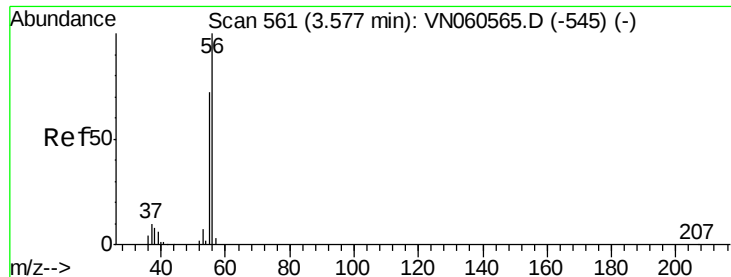


#12

1,1-Dichloroethene
Concen: 50.746 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	116273		
61	166.8		134.1	201.1
98	62.4		49.9	74.9





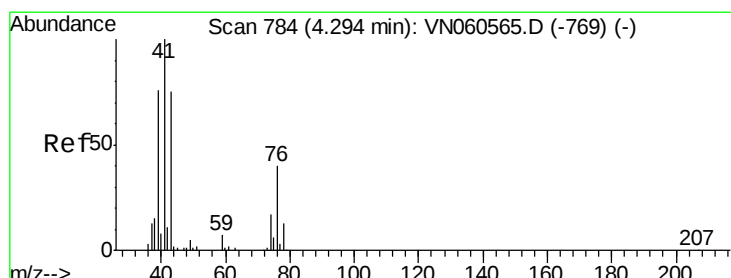
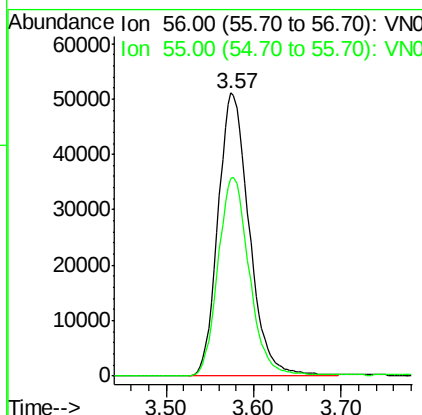
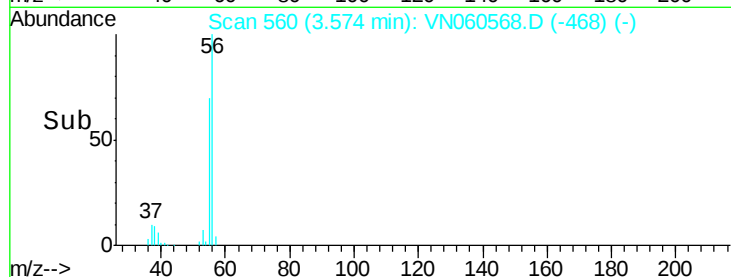
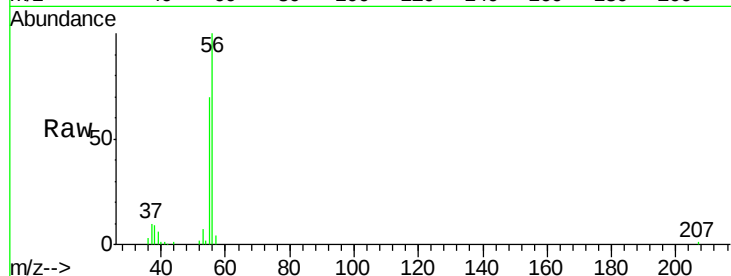
#13
Acrolein
Concen: 267.274 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.7	85.1

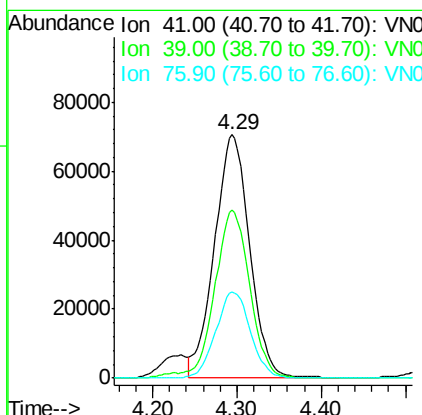
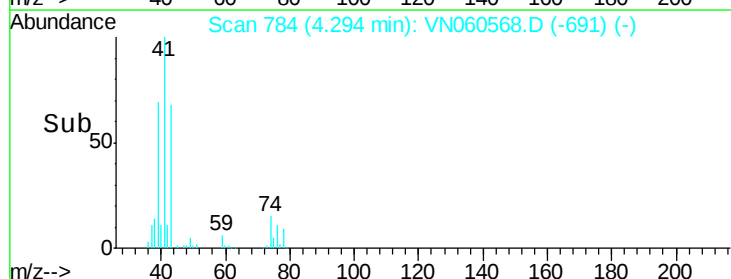
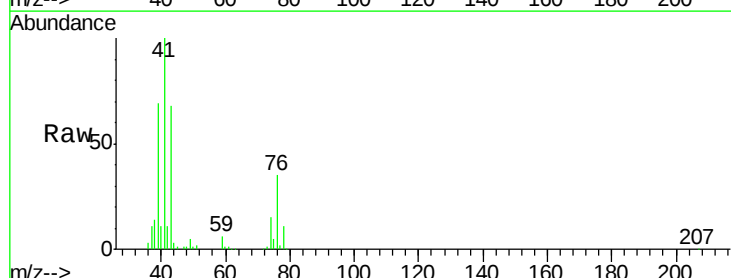
Manual Integrations
APPROVED

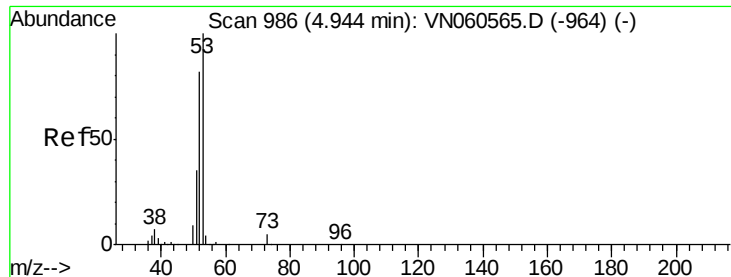
MMDadoda
3/18/2020 7:00:48 PM



#14
Allyl chloride
Concen: 50.548 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	57.8	86.8
76	35.0	28.6	43.0





#15

Acrylonitrile

Concen: 265.810 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

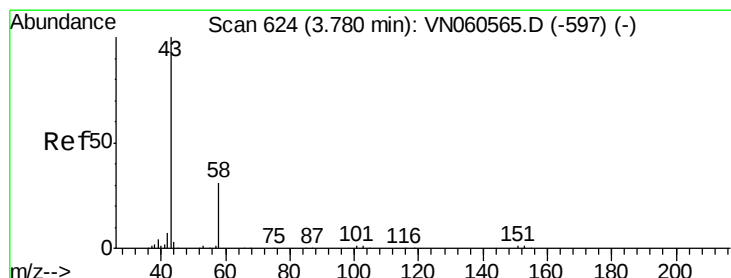
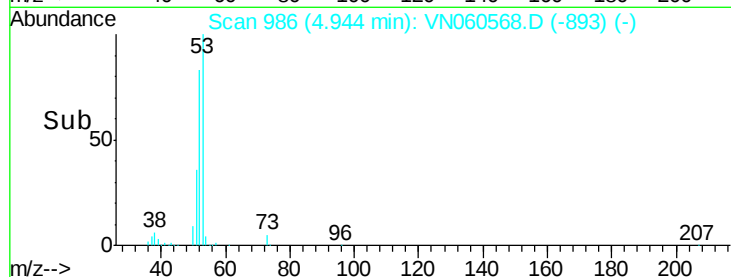
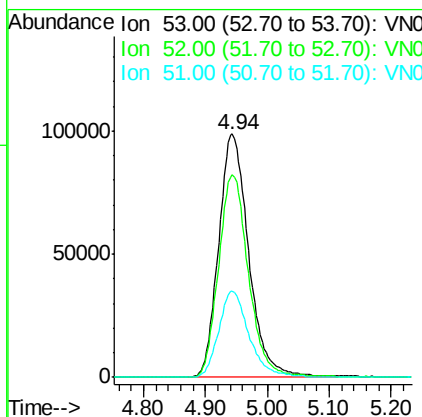
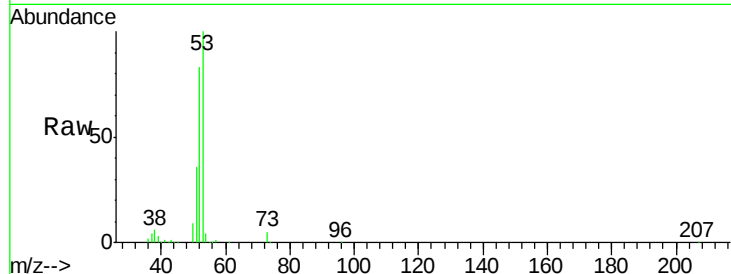
ClientSampleId :

ICVVN031820

Tot Ion:	53	Resp:	333962
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	35.8	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#16

Acetone

Concen: 257.018 ug/l

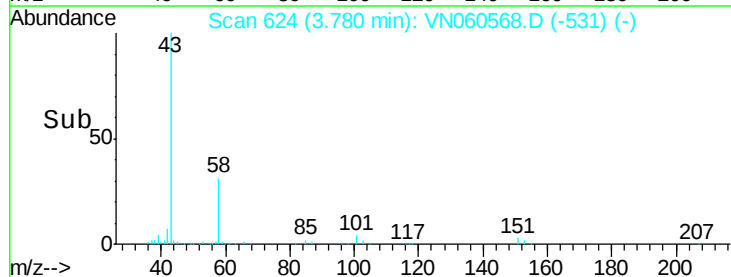
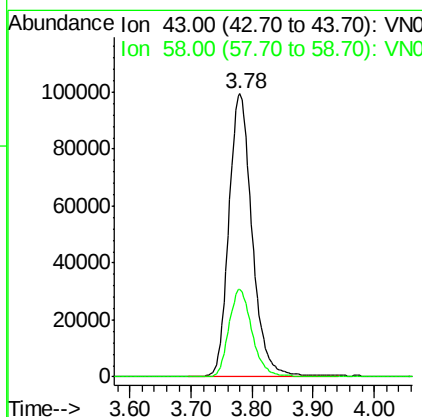
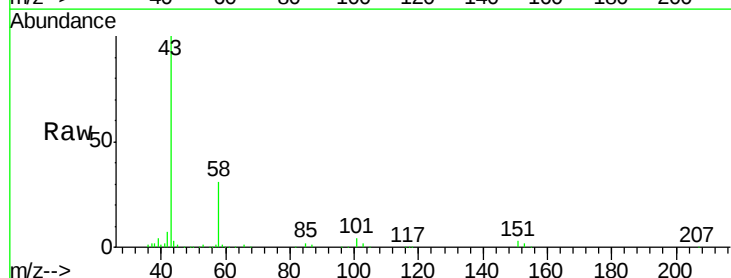
RT: 3.78 min Scan# 624

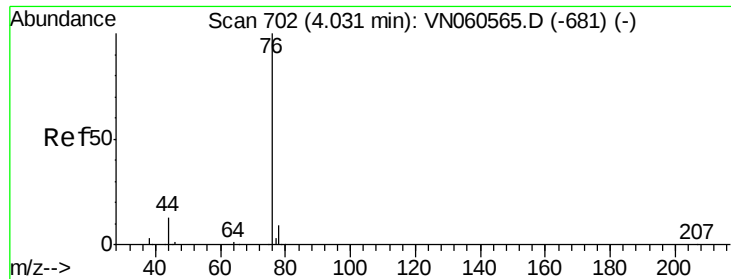
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	43	Resp:	264490
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7





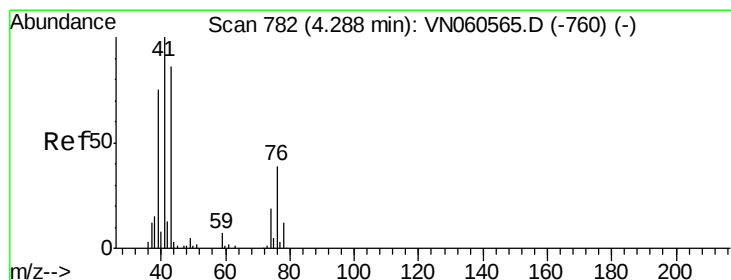
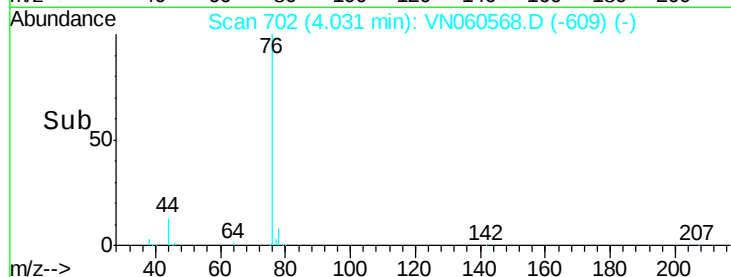
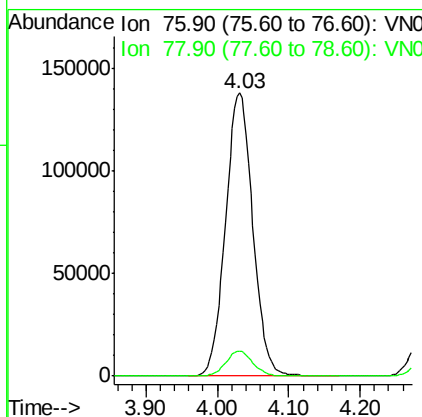
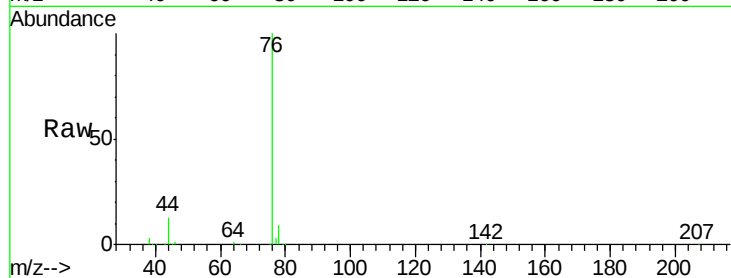
#17
Carbon Disulfide
Concen: 52.739 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

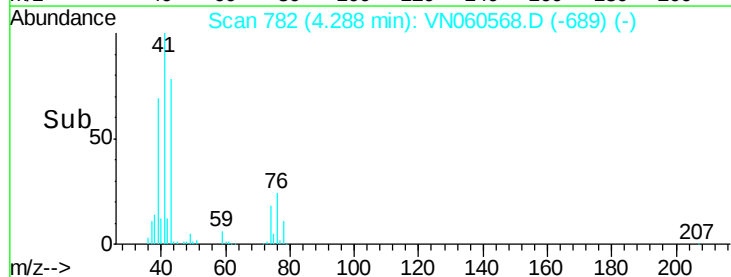
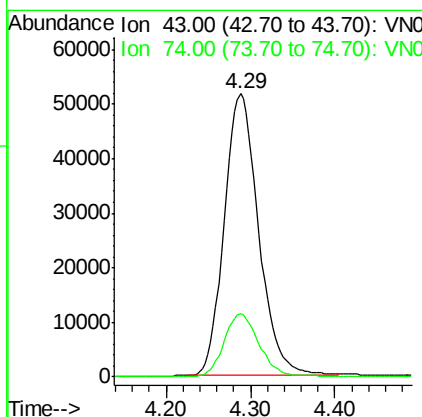
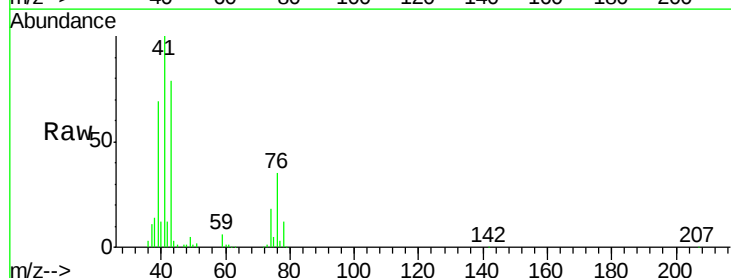
Manual Integrations
APPROVED

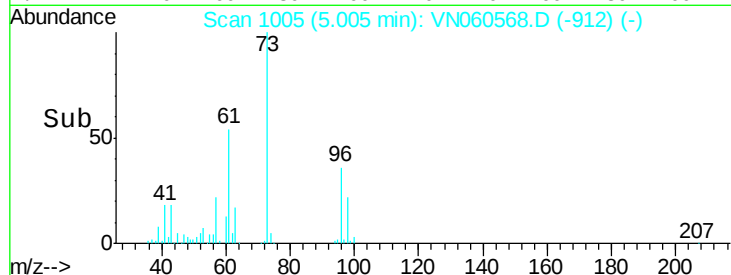
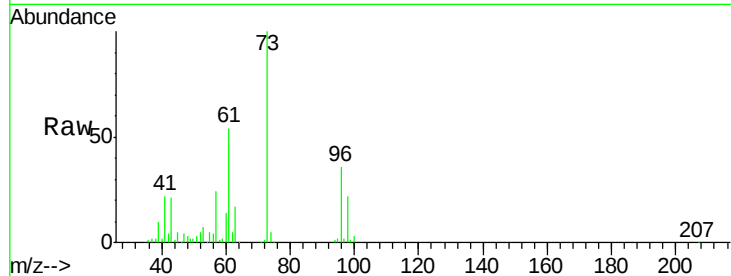
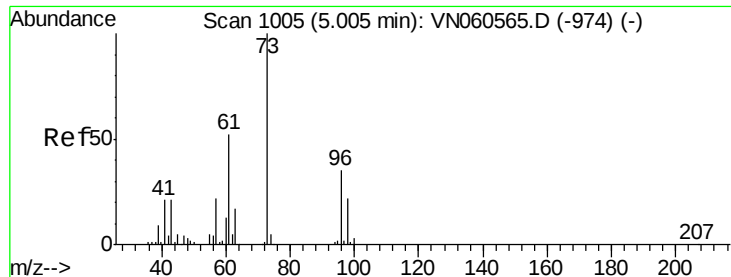
MMDadoda
3/18/2020 7:00:48 PM



#18
Methyl Acetate
Concen: 50.586 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.5	26.3





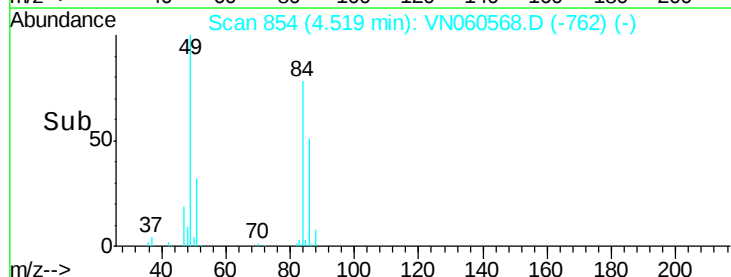
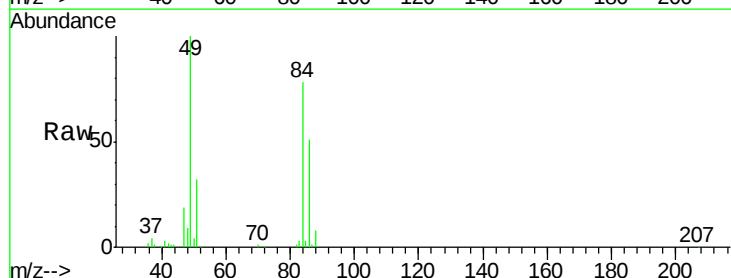
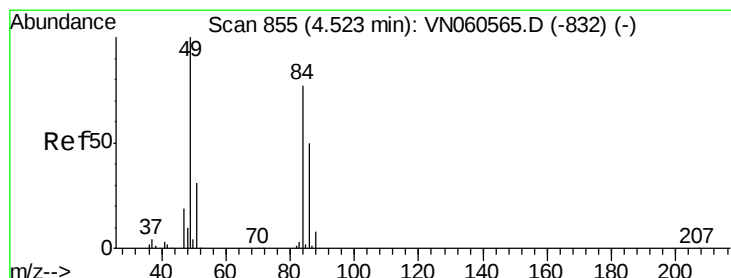
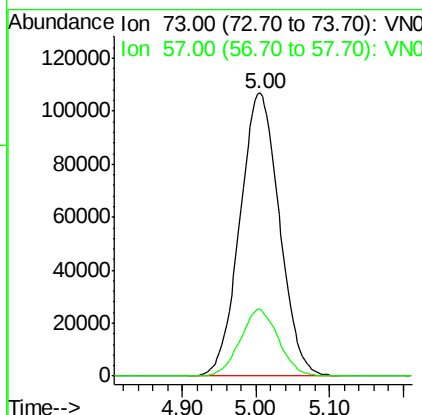
#19
Methyl tert-butyl Ether
Concen: 50.528 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tot Ion: 73 Resp: 398039
Ion Ratio Lower Upper
73 100
57 23.5 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

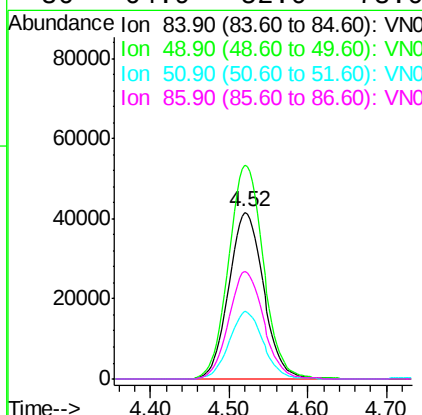
Manual Integrations
APPROVED

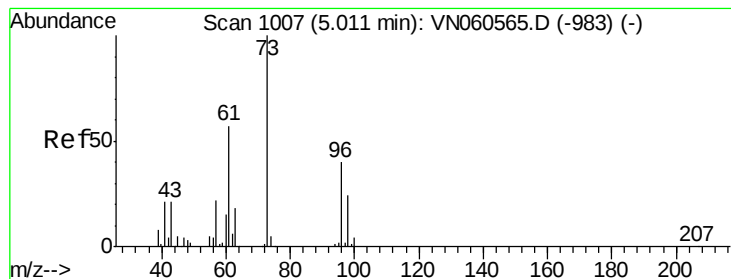
MMDadoda
3/18/2020 7:00:48 PM



#20
Methylene Chloride
Concen: 50.724 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 84 Resp: 128406
Ion Ratio Lower Upper
84 100
49 128.1 103.3 154.9
51 40.4 31.6 47.4
86 64.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 51.100 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

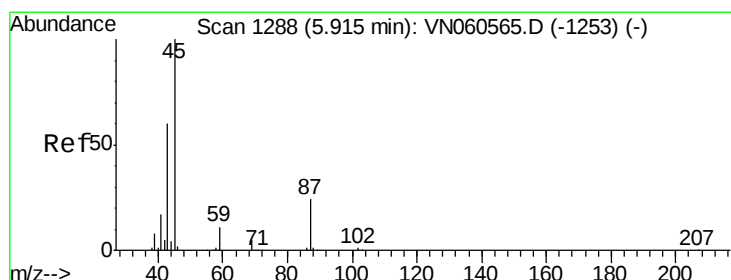
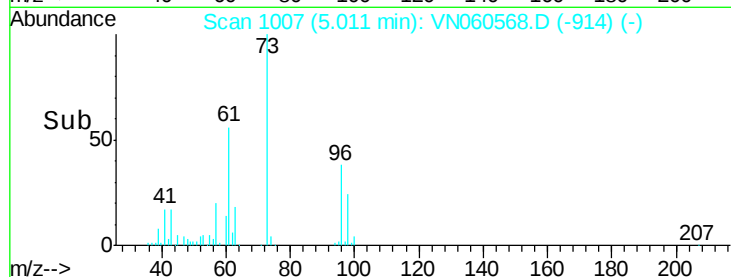
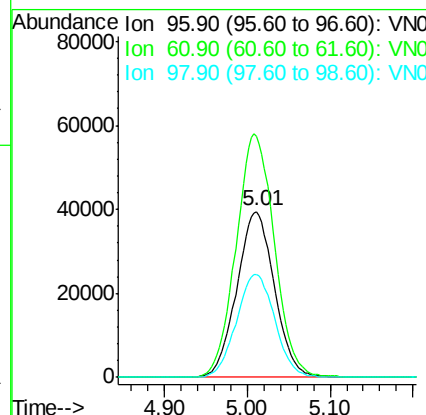
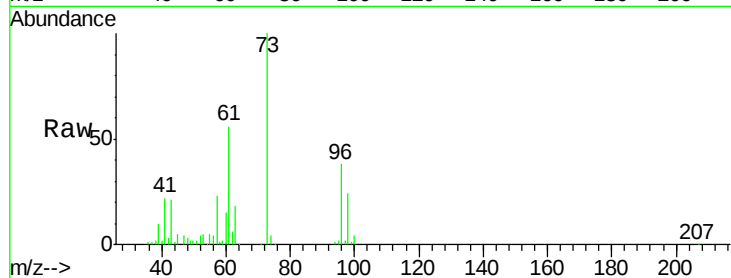
ClientSampleId :

ICVVN031820

Tot Ion:	96	Resp:	124785
Ion	Ratio	Lower	Upper
96	100		
61	145.2	114.4	171.6
98	62.0	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#22

Diisopropyl ether

Concen: 51.708 ug/l

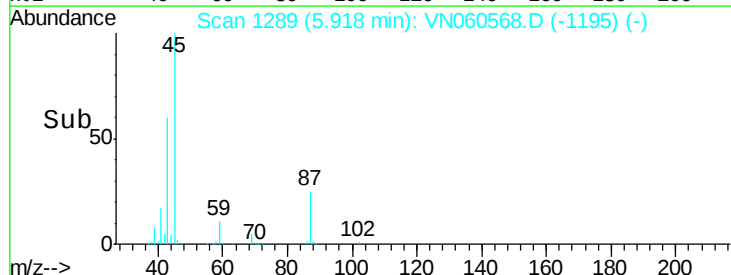
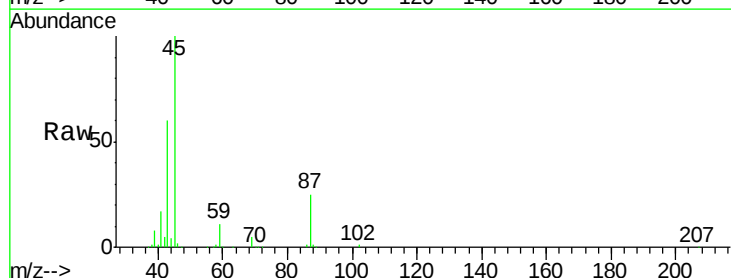
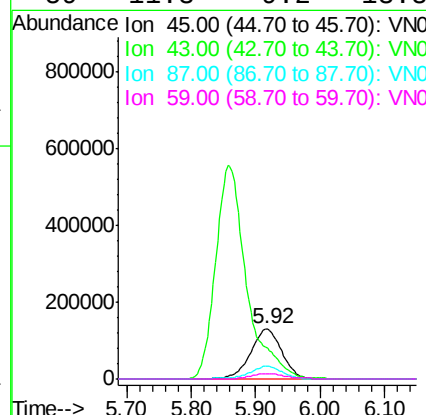
RT: 5.92 min Scan# 1289

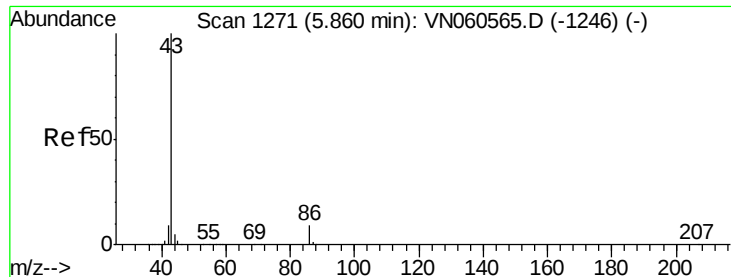
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	45	Resp:	440232
Ion	Ratio	Lower	Upper
45	100		
43	59.4	49.8	74.8
87	25.3	20.1	30.1
59	11.3	9.2	13.8





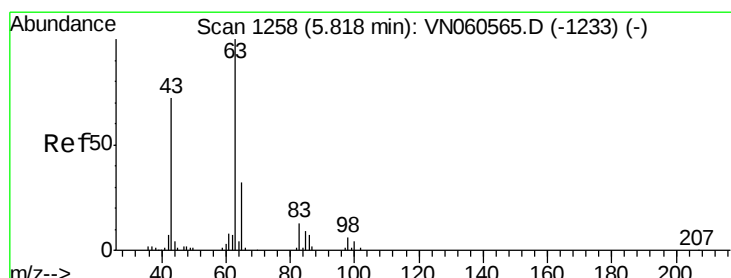
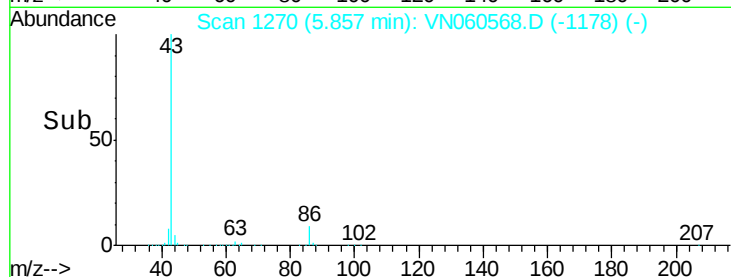
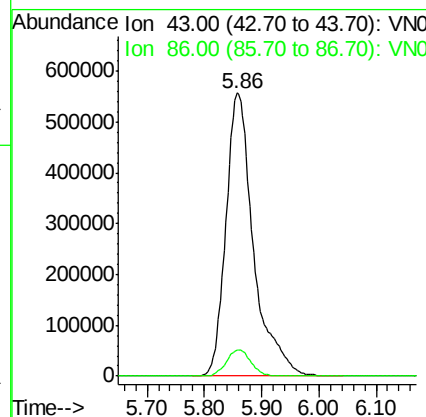
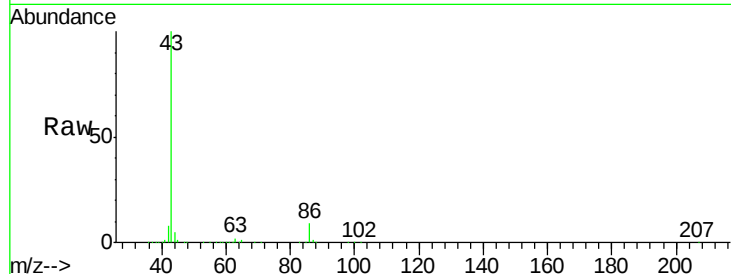
#23
 Vinyl Acetate
 Concen: 268.094 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion: 43 Resp: 1862337
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4

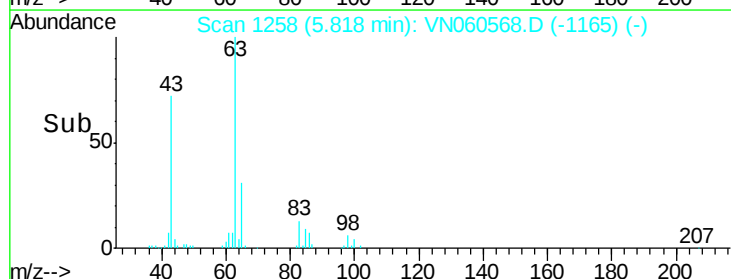
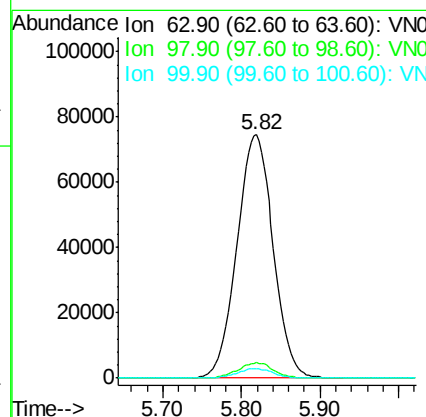
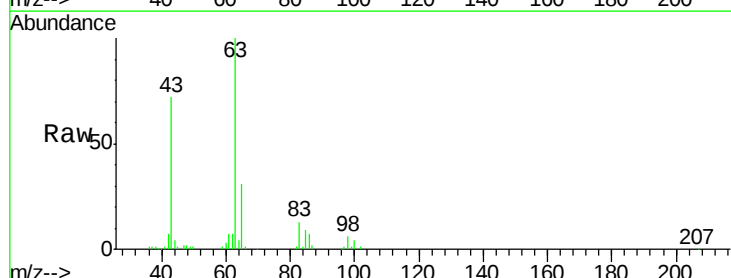
Manual Integrations
 APPROVED

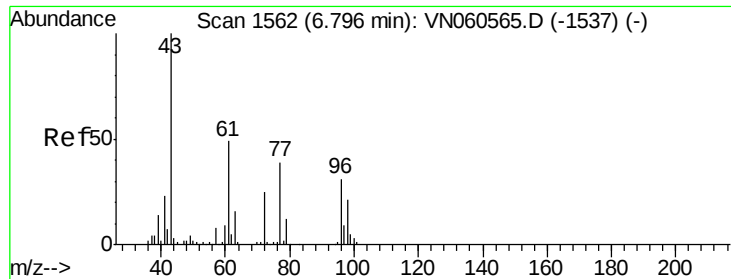
MMDadoda
 3/18/2020 7:00:48 PM



#24
 1,1-Dichloroethane
 Concen: 51.637 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion: 63 Resp: 239664
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 3.9 1.8 5.5





#25

2-Butanone

Concen: 265.370 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 43 Resp: 441898

Ion Ratio Lower Upper

43 100

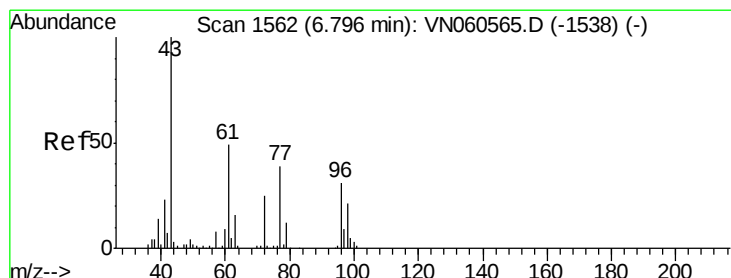
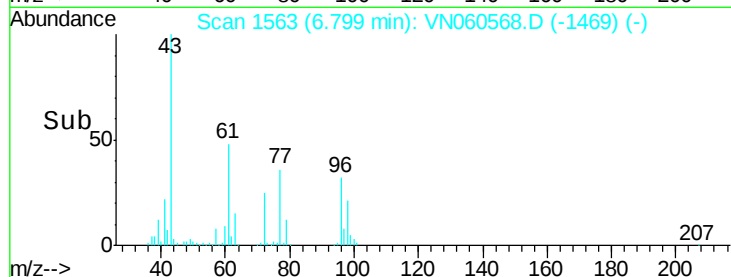
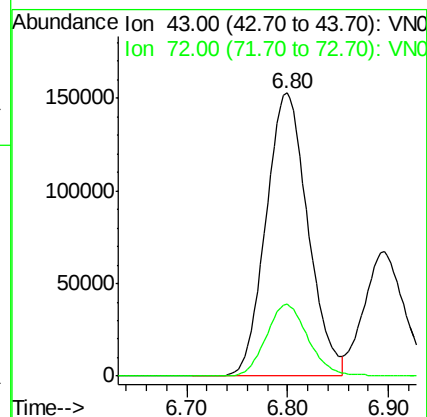
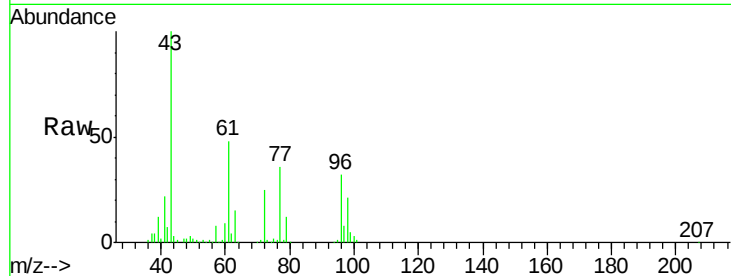
72 25.3 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

3/18/2020 7:00:48 PM



#26

2,2-Dichloropropane

Concen: 48.488 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060568.D

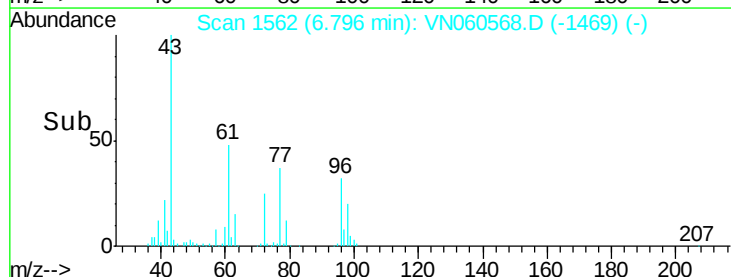
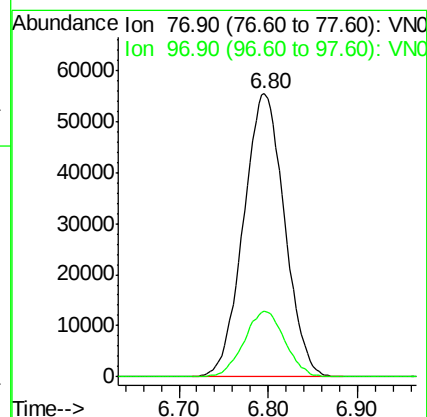
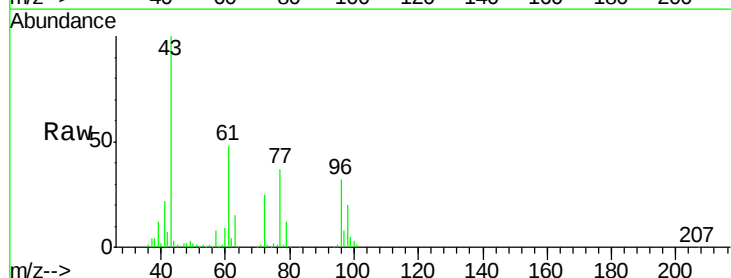
Acq: 17 Mar 2020 20:21

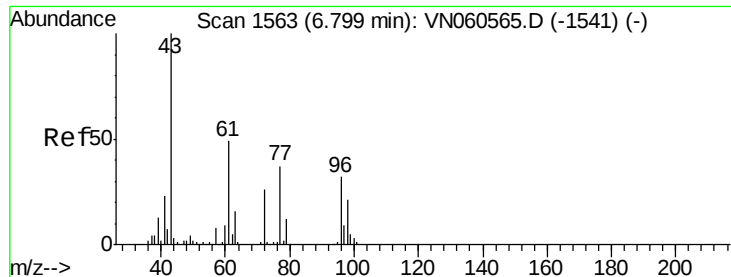
Tgt Ion: 77 Resp: 177065

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 51.222 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

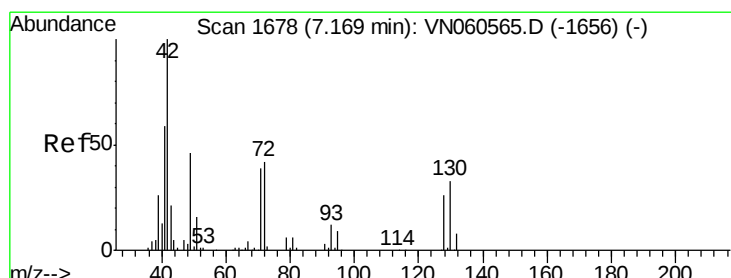
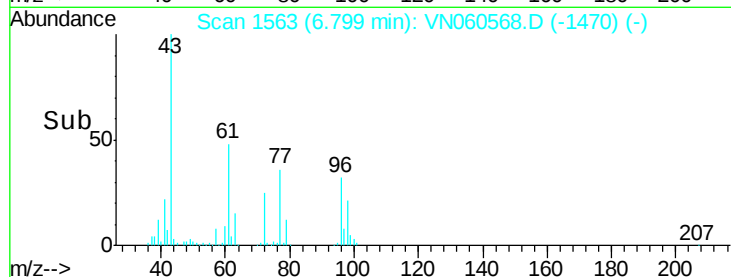
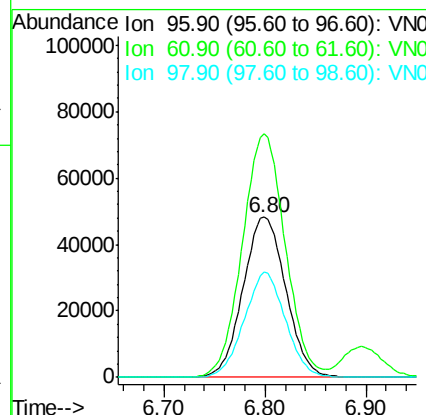
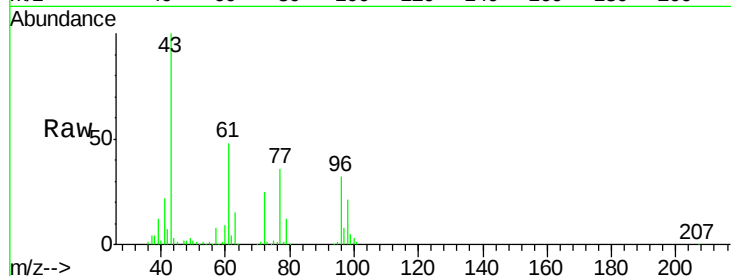
ClientSampleId :

ICVVN031820

Tot Ion:	96	Resp:	142142
Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	305.6
98	63.3	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#28

Bromochloromethane

Concen: 52.138 ug/l

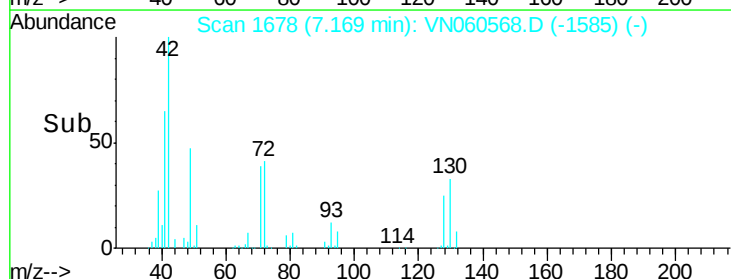
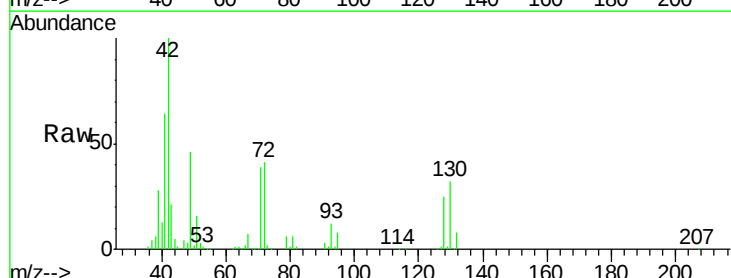
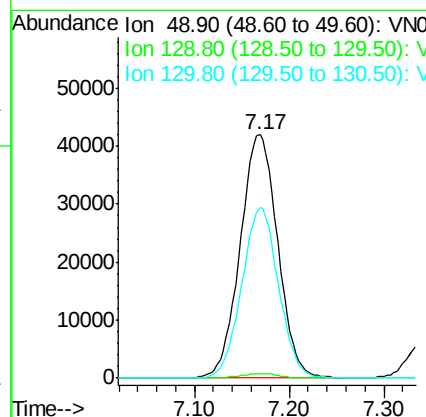
RT: 7.17 min Scan# 1678

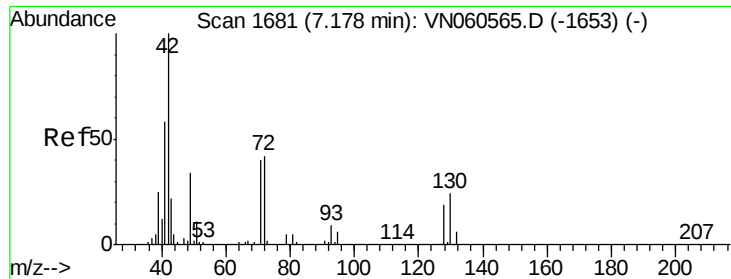
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	49	Resp:	115777
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	68.5	55.0	82.4





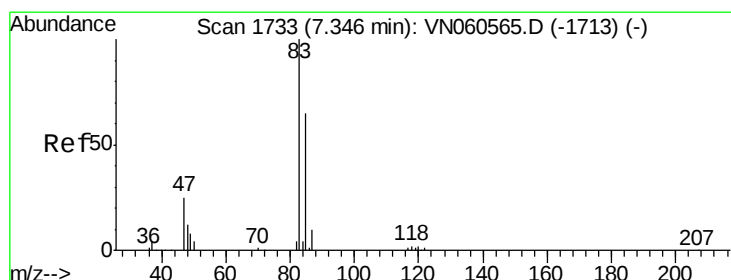
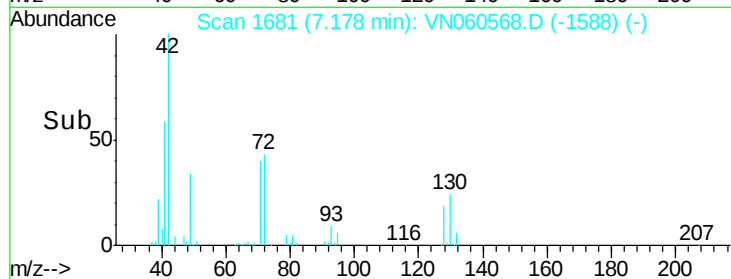
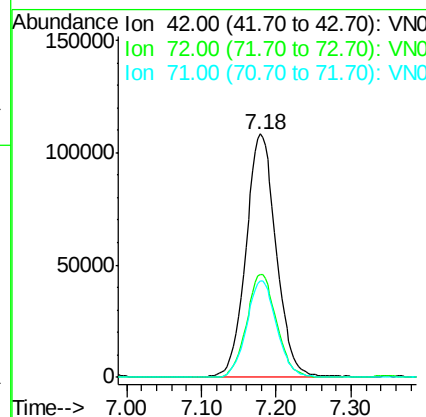
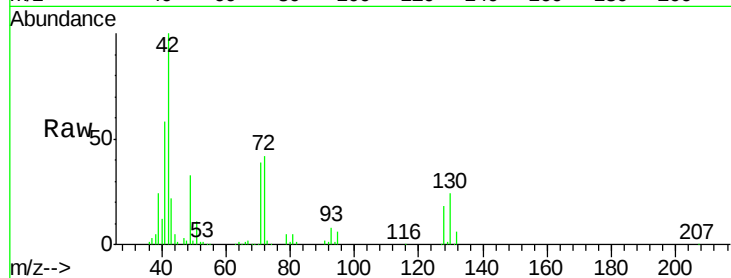
#29
Tetrahydrofuran
Concen: 259.093 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.2	49.8
71	39.1	31.1	46.7

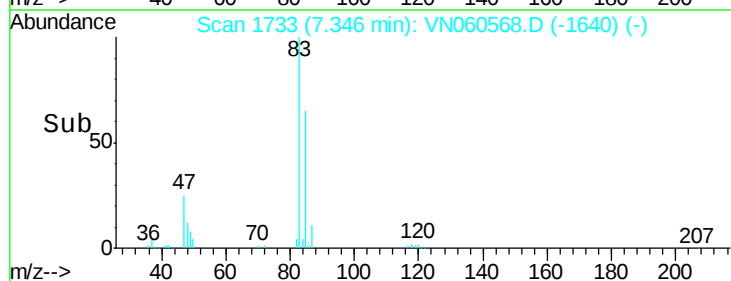
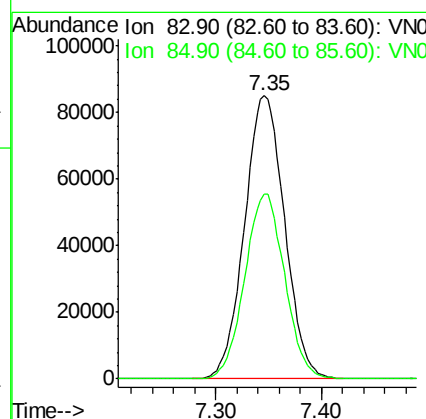
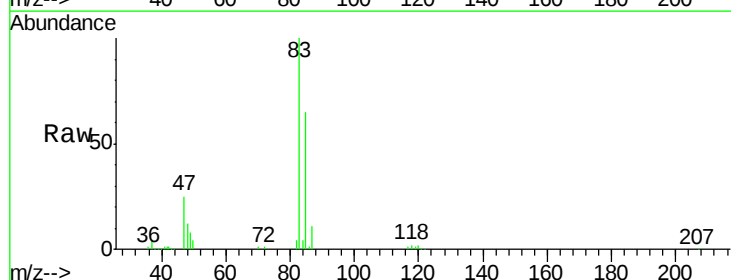
Manual Integrations
APPROVED

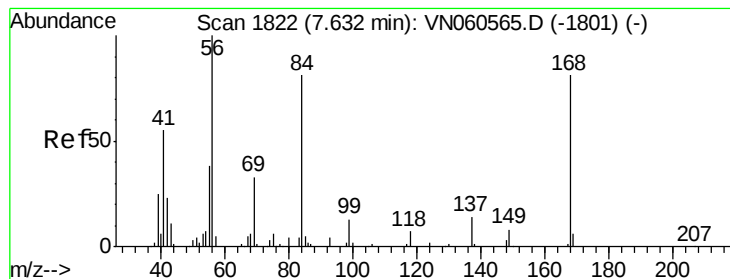
MMDadoda
3/18/2020 7:00:48 PM



#30
Chloroform
Concen: 50.534 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





#31

Cyclohexane

Concen: 48.998 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

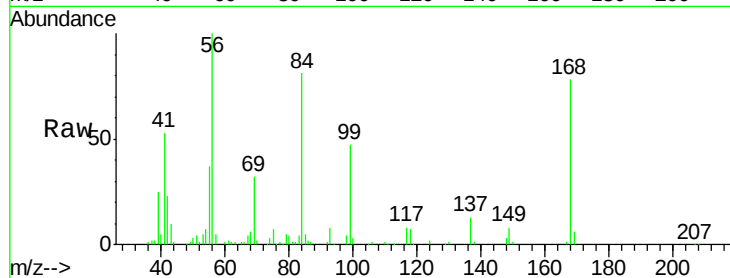
ClientSampleId :

ICVVN031820

Tot Ion:	56	Resp:	229266
Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.6	40.0
84	80.4	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM

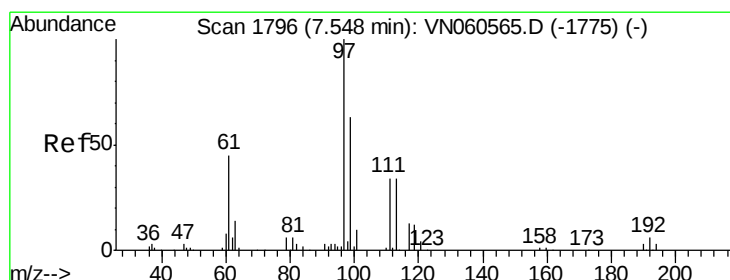
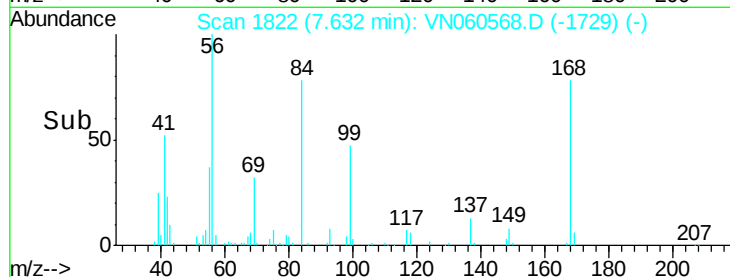
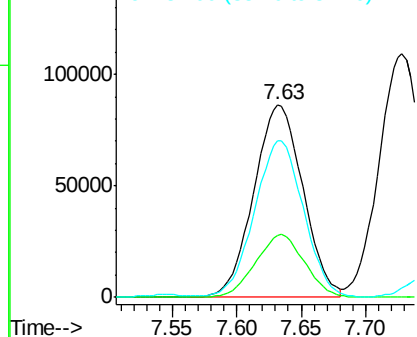


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 51.316 ug/l

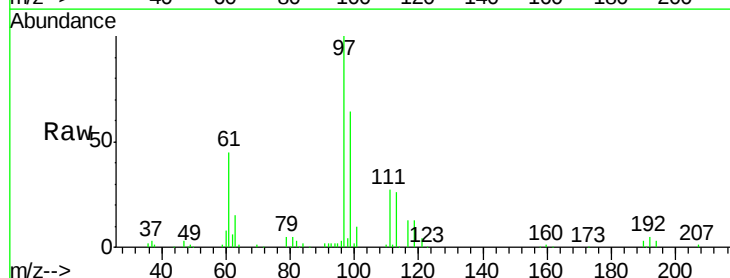
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	97	Resp:	196836
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	75.8
61	44.8	36.2	54.4

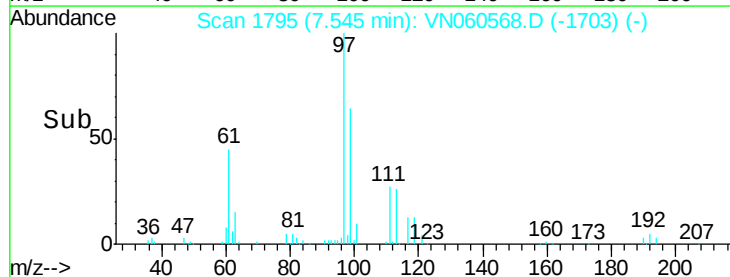
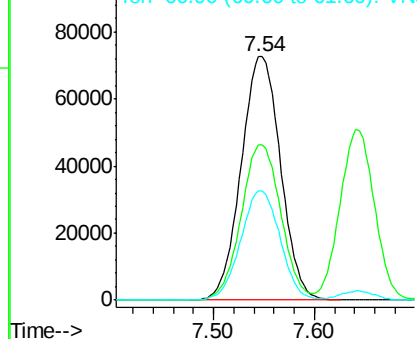


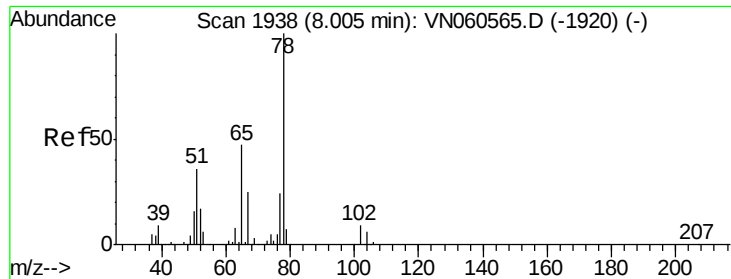
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





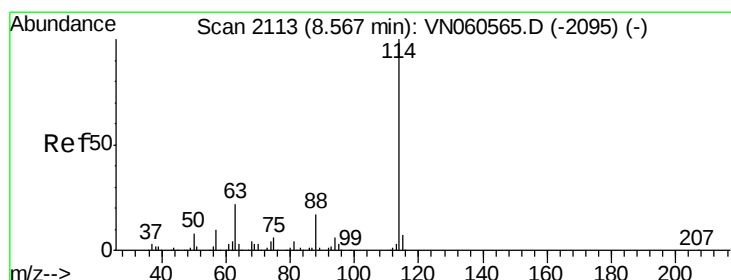
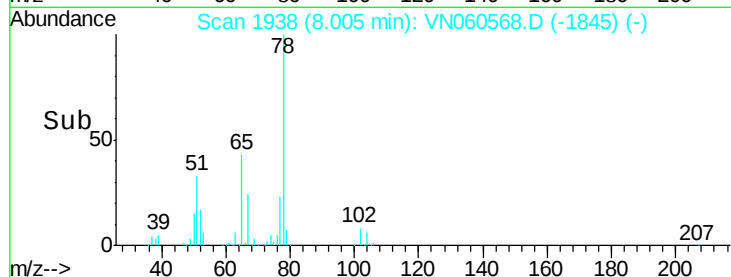
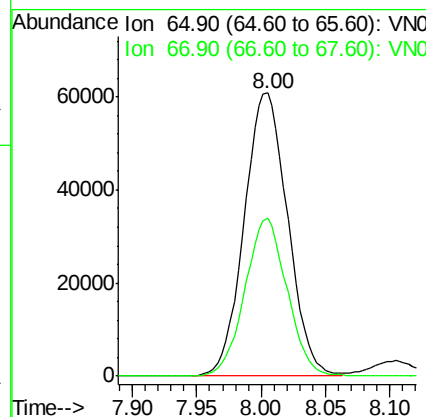
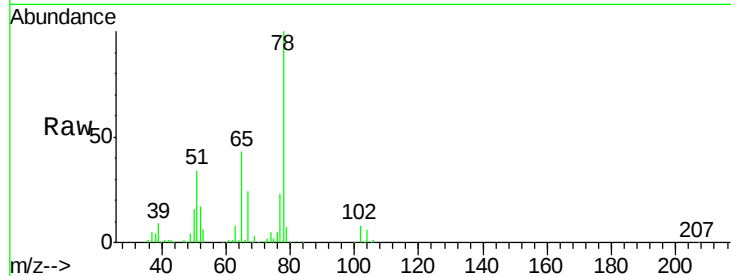
#33
 1,2-Dichloroethane-d4
 Concen: 49.169 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142843		
67	54.1	0.0	107.6	

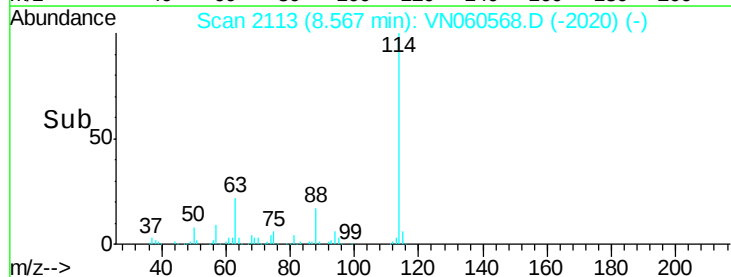
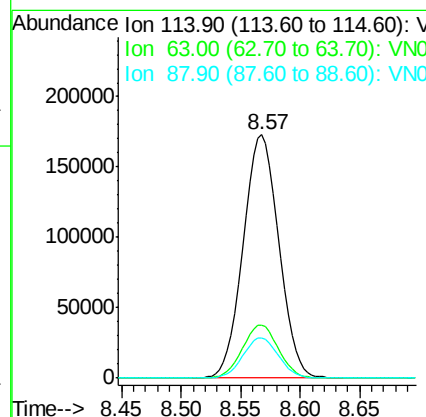
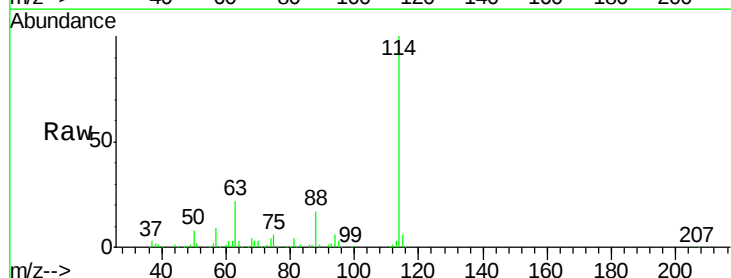
Manual Integrations
 APPROVED

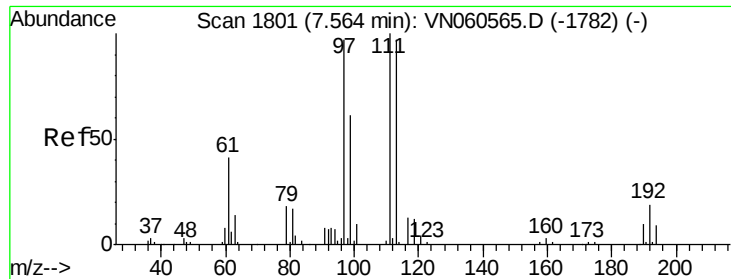
MMDadoda
 3/18/2020 7:00:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	359514		
63	22.0	0.0	43.8	
88	16.6	0.0	33.0	





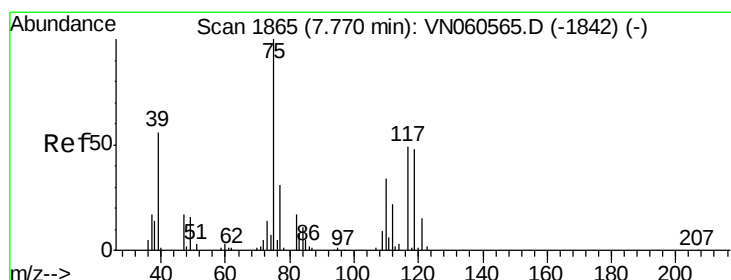
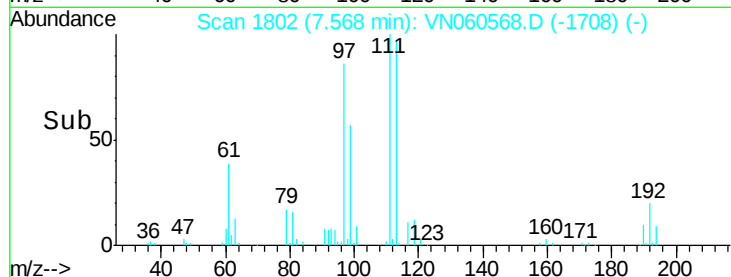
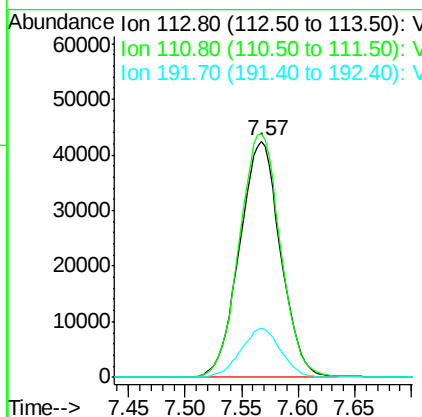
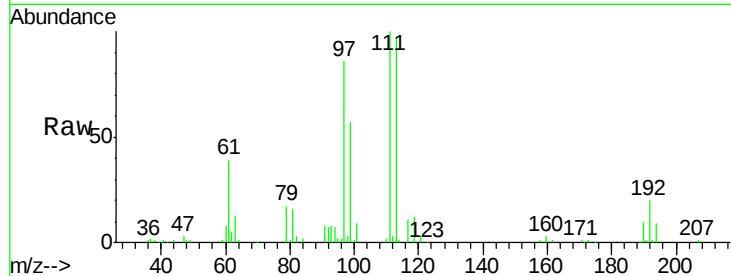
#35
 Dibromofluoromethane
 Concen: 49.139 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106821		
111	103.6	82.9	124.3	
192	20.2	15.8	23.8	

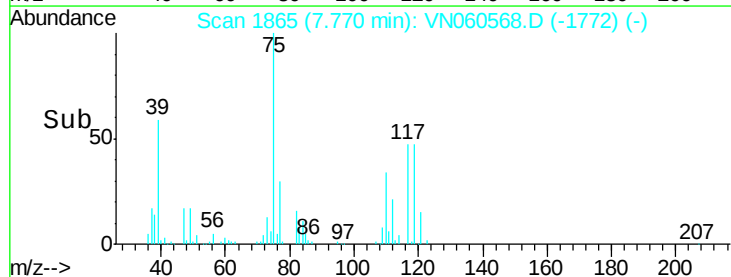
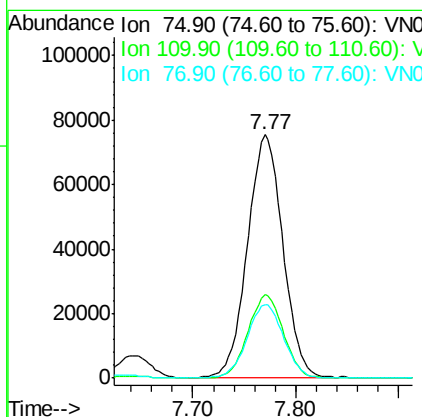
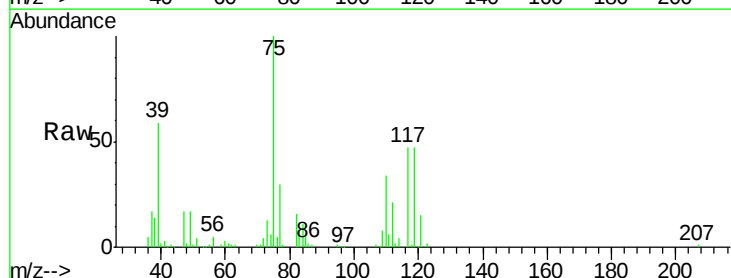
Manual Integrations
 APPROVED

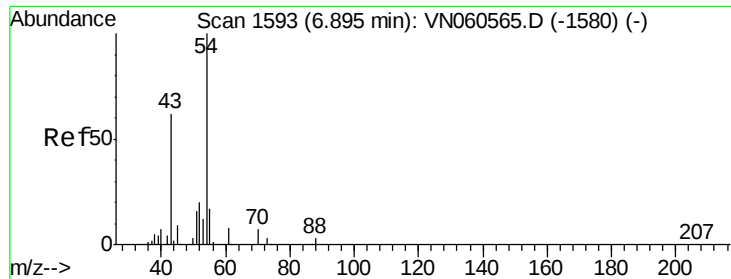
MMDadoda
 3/18/2020 7:00:48 PM



#36
 1,1-Dichloropropene
 Concen: 51.833 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180443		
110	33.9	16.9	50.6	
77	31.0	24.6	36.8	





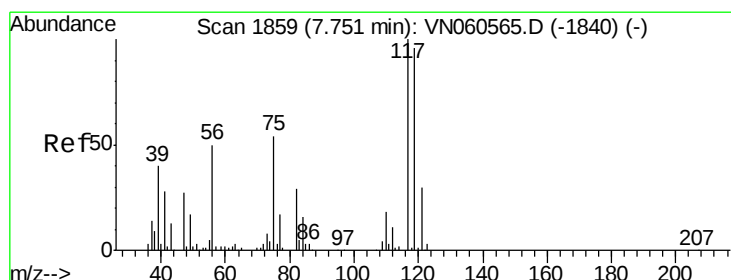
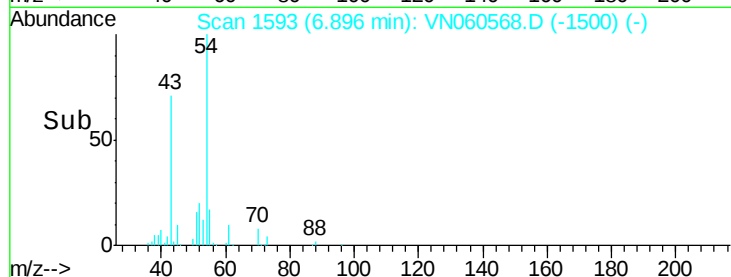
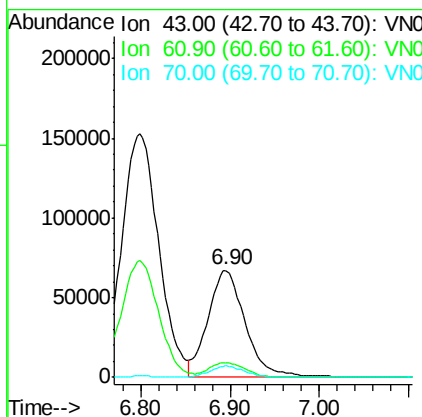
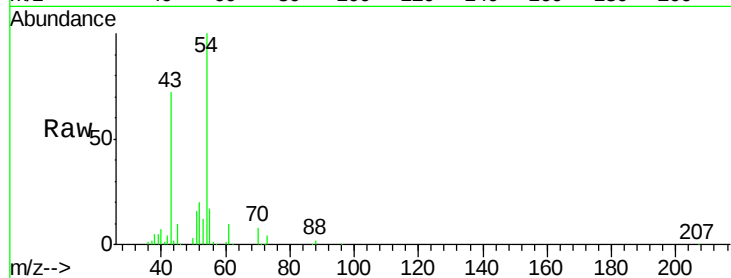
#37
Ethyl Acetate
Concen: 51.112 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampled :
ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
43	100	192257		
61	13.6		10.6	15.8
70	10.1		7.9	11.9

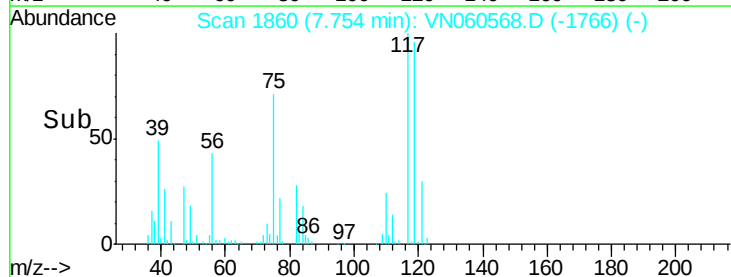
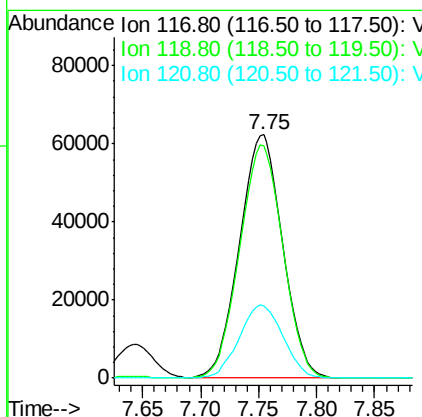
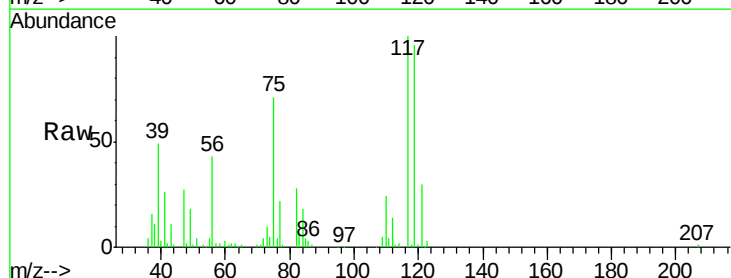
Manual Integrations
APPROVED

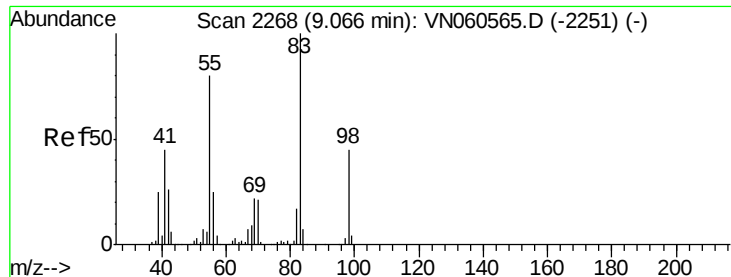
MMDadoda
3/18/2020 7:00:48 PM



#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	160994		
119	95.5		76.2	114.2
121	29.5		23.7	35.5





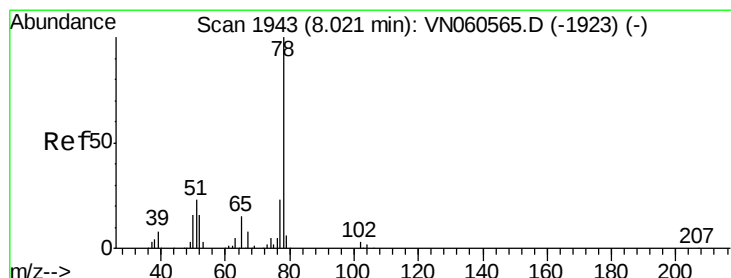
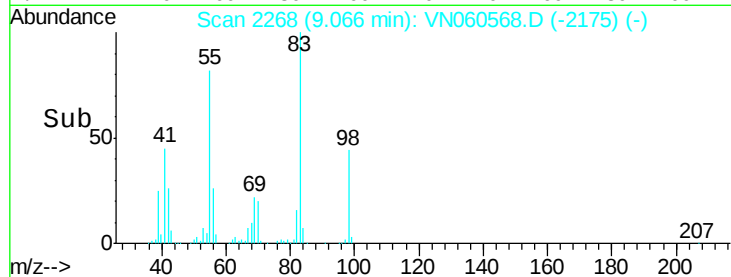
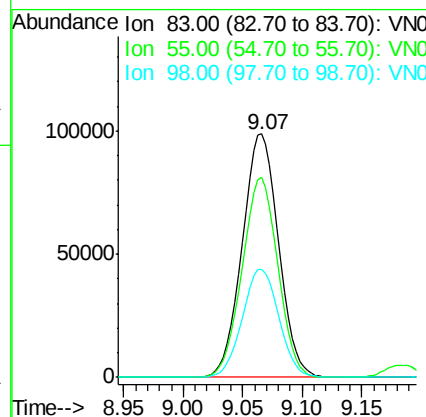
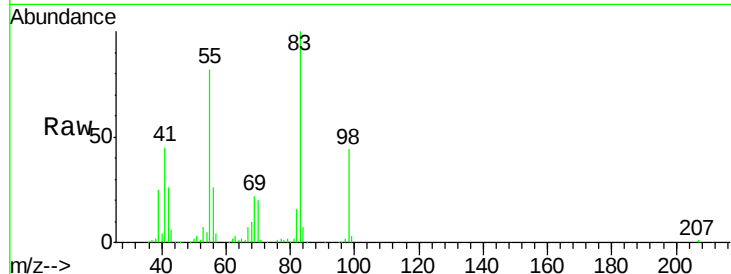
#39
Methvlcvclohexane
Concen: 50.517 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
83	100	208990		
55	82.3		63.6	95.4
98	44.4		36.0	54.0

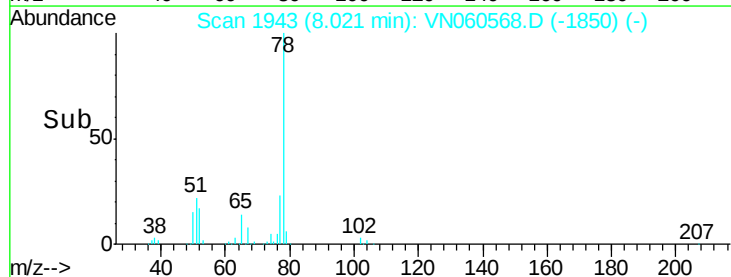
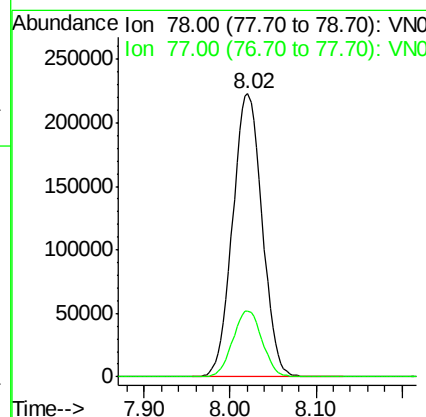
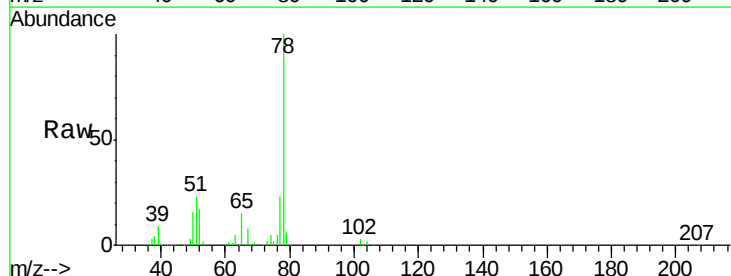
Manual Integrations
APPROVED

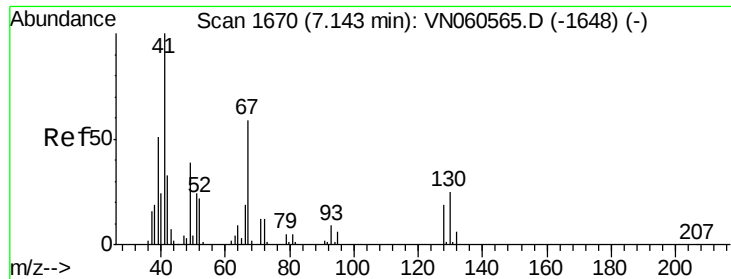
MMDadoda
3/18/2020 7:00:48 PM



#40
Benzene
Concen: 50.593 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	531681		
77	23.2		18.6	28.0





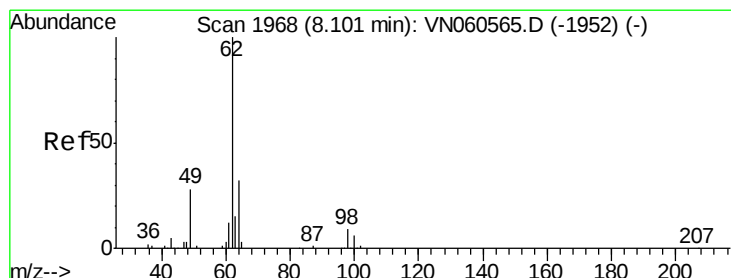
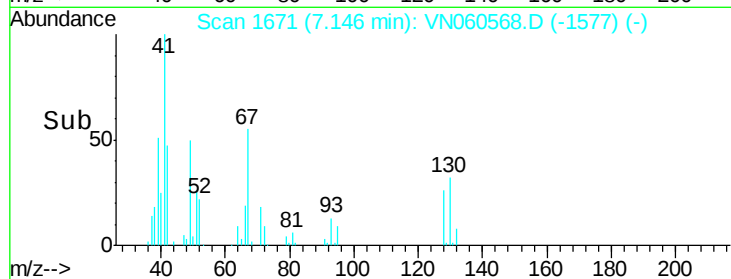
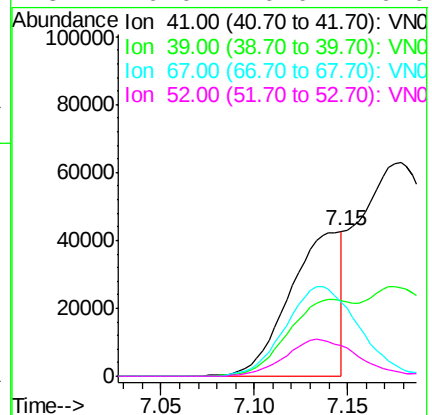
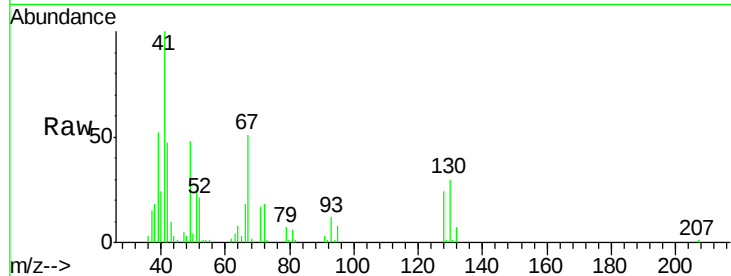
#41
Methacrylonitrile
Concen: 51.047 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
41	100	81947		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

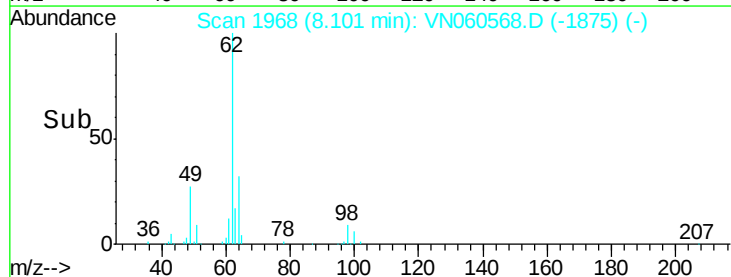
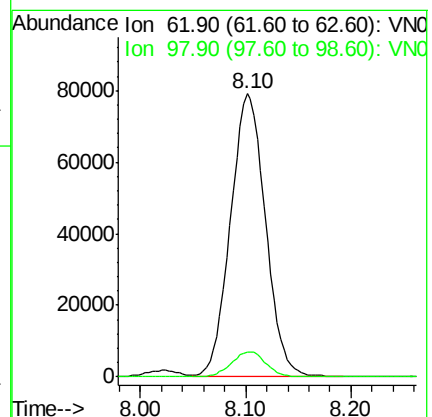
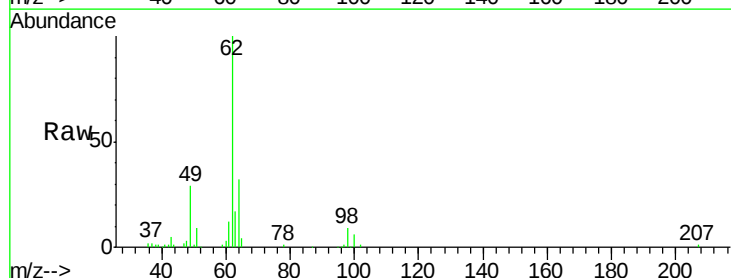
Manual Integrations
APPROVED

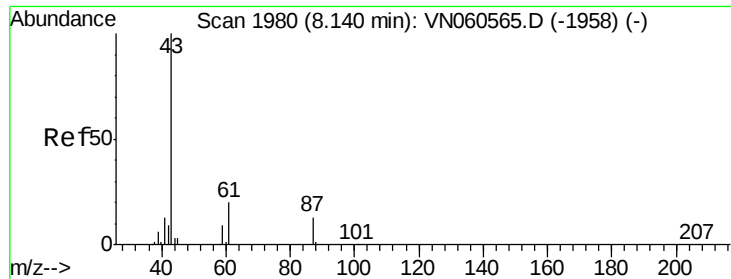
MMDadoda
3/18/2020 7:00:48 PM



#42
1,2-Dichloroethane
Concen: 50.777 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	182362		
98	8.7	0.0	17.8	





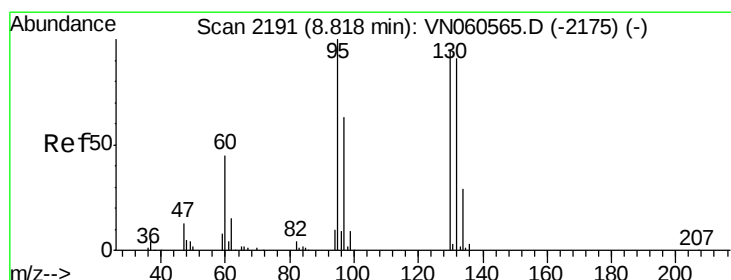
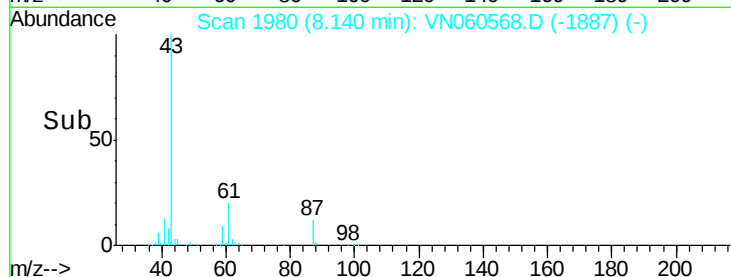
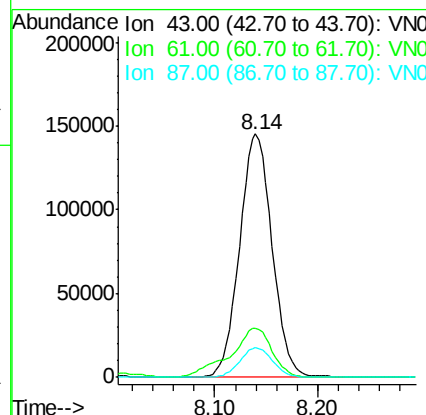
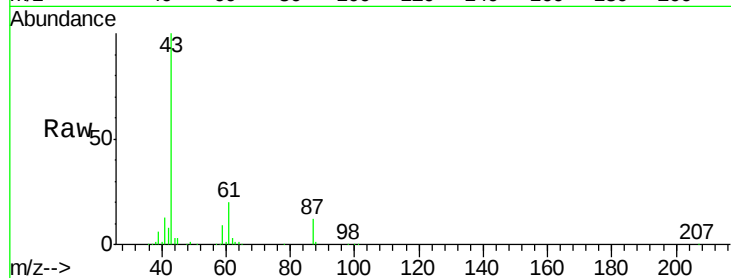
#43
Isopropyl Acetate
Concen: 51.265 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.7	31.1
87	12.3	9.8	14.8

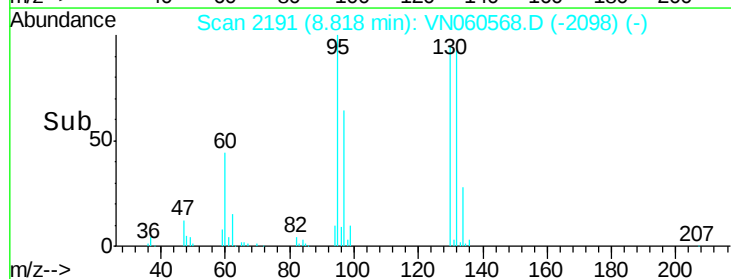
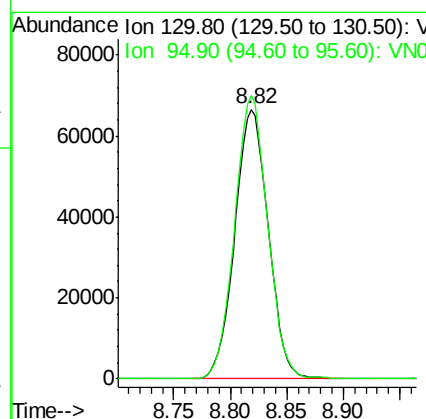
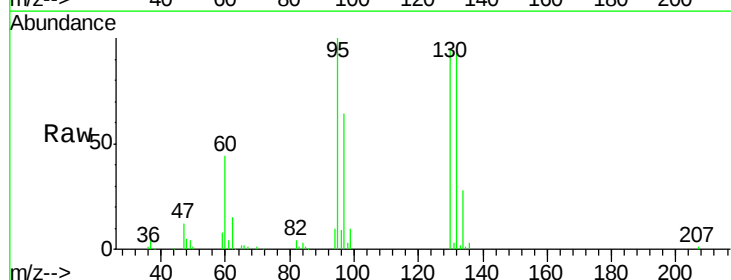
Manual Integrations
APPROVED

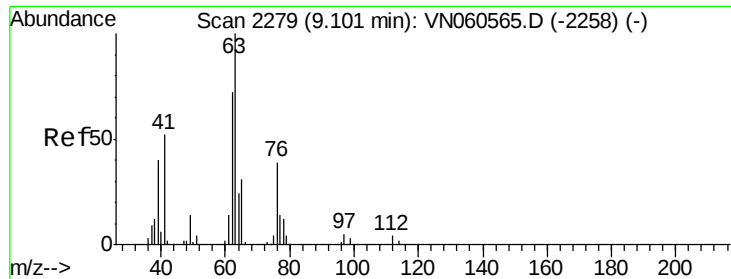
MMDadoda
3/18/2020 7:00:48 PM



#44
Trichloroethene
Concen: 51.824 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	211.2





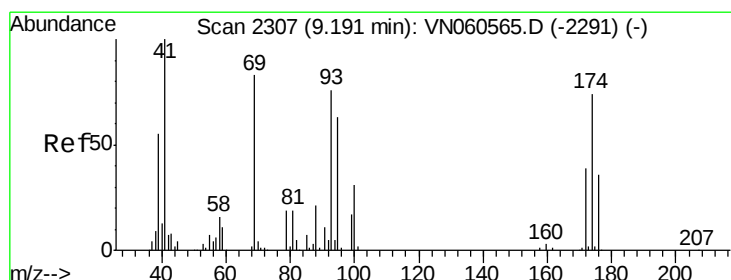
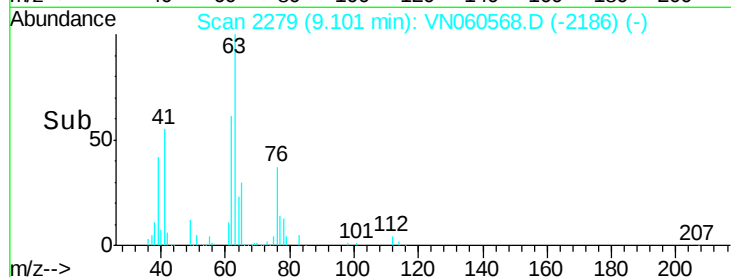
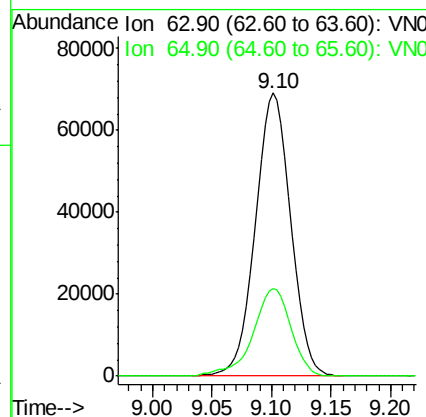
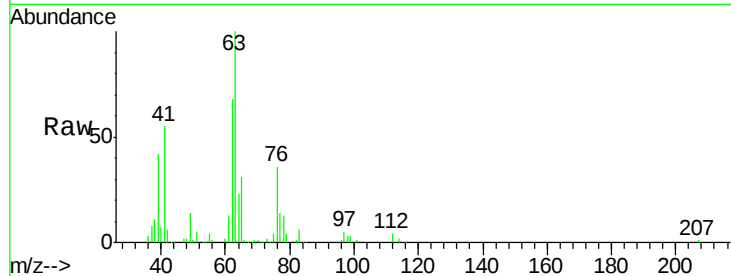
#45
 1,2-Dichloropropane
 Concen: 51.243 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.4	38.0

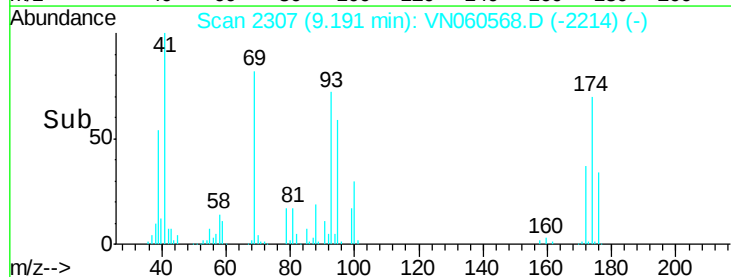
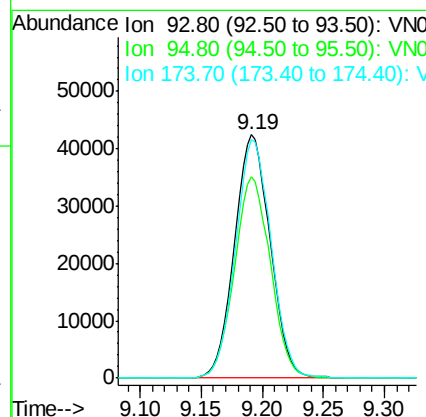
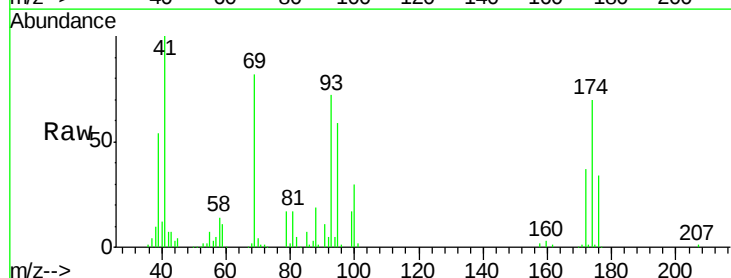
Manual Integrations
 APPROVED

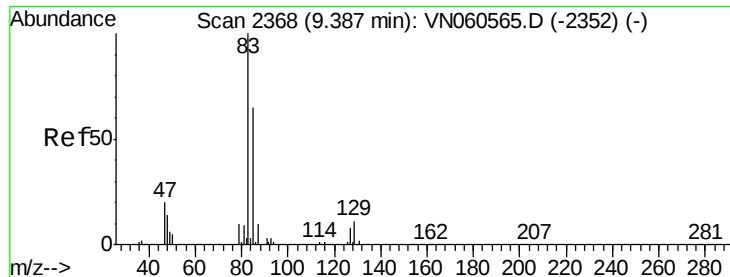
MMDadoda
 3/18/2020 7:00:48 PM



#46
 Dibromomethane
 Concen: 51.495 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	97.8	77.9	116.9





#47

Bromodichloromethane

Concen: 51.369 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

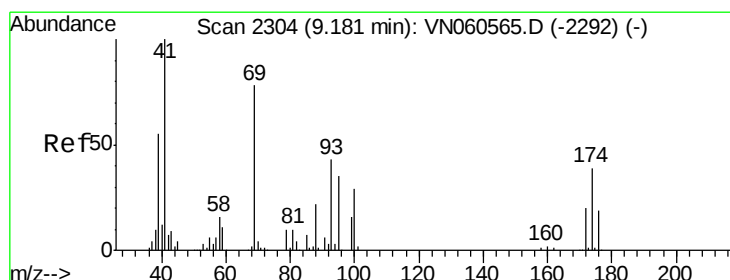
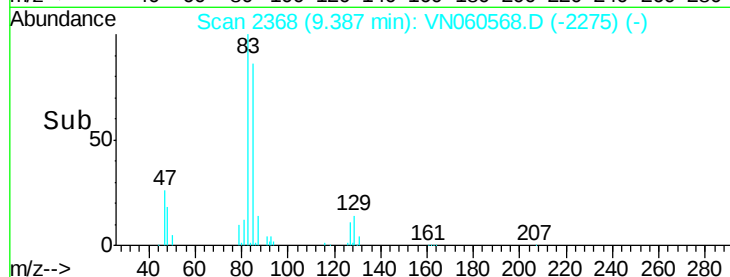
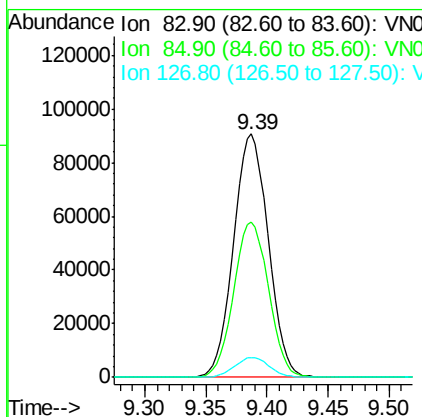
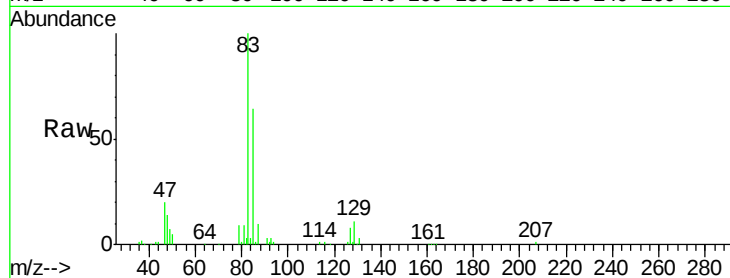
ClientSampleId :

ICVVN031820

Tot Ion:	83	Resp:	178951
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.2	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#48

Methyl methacrylate

Concen: 51.726 ug/l

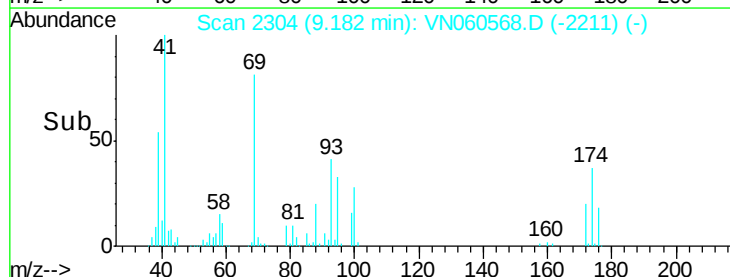
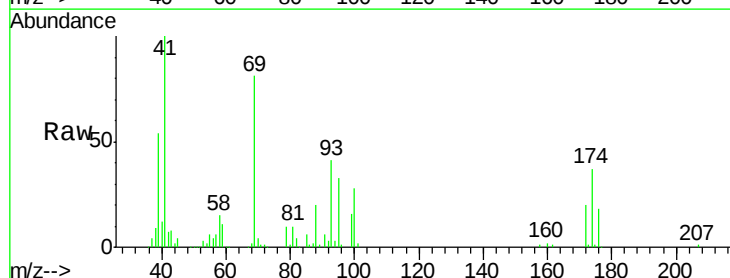
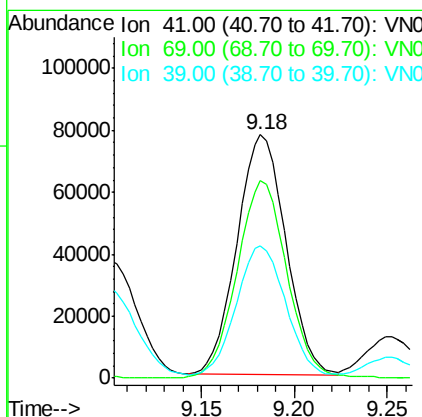
RT: 9.18 min Scan# 2304

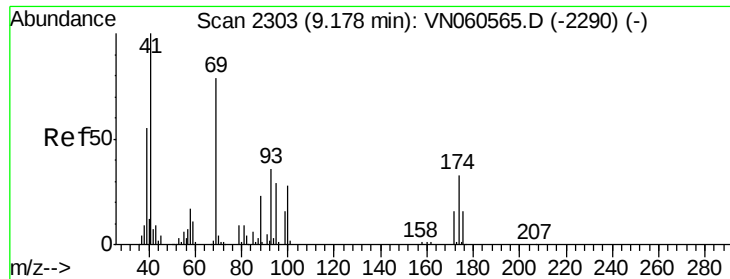
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	41	Resp:	142864
Ion	Ratio	Lower	Upper
41	100		
69	83.9	65.4	98.0
39	56.9	44.0	66.0





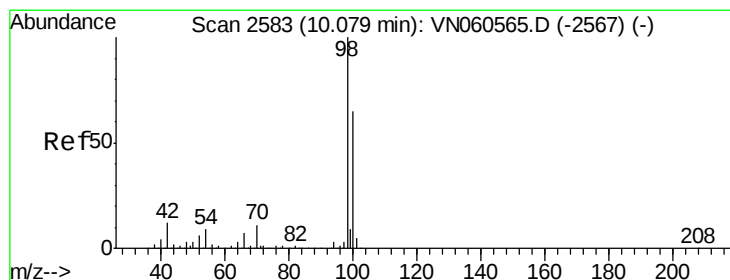
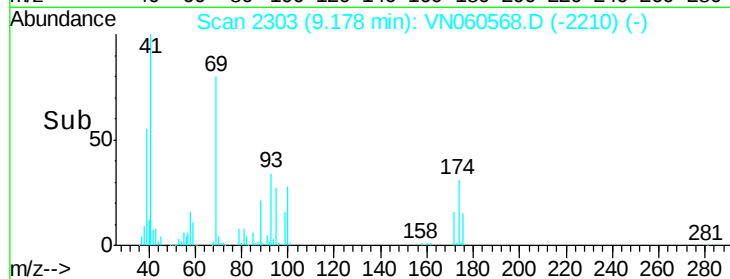
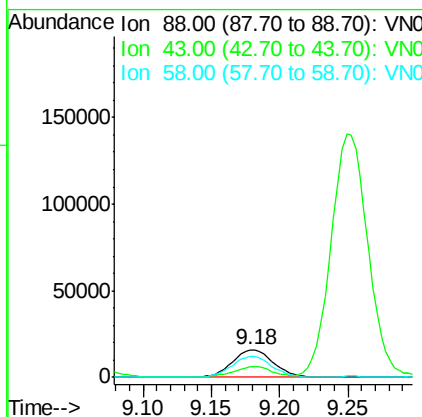
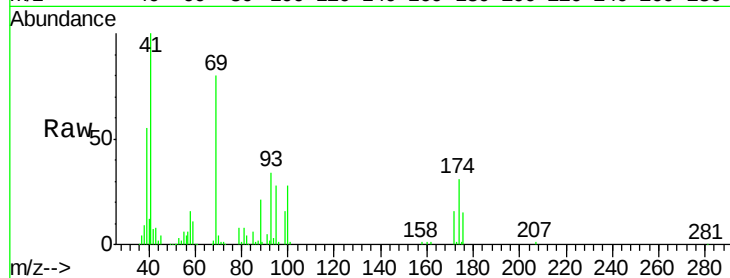
#49
1,4-Dioxane
Concen: 1005.234 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	30.8	46.2
58	75.6	59.8	89.8

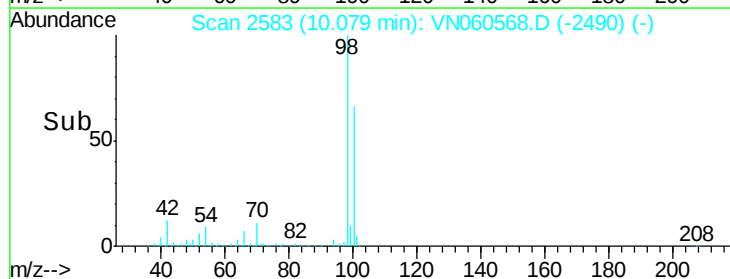
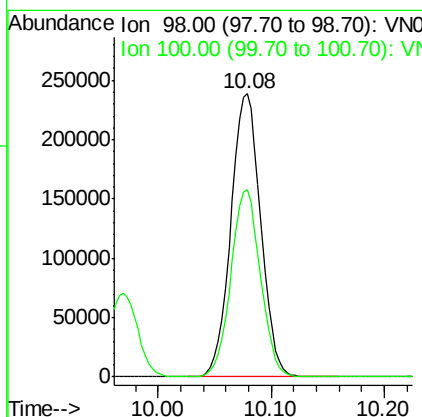
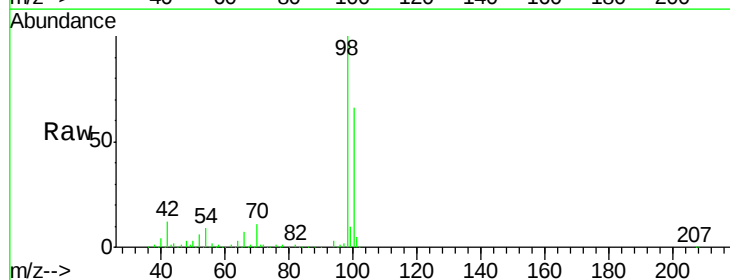
Manual Integrations
APPROVED

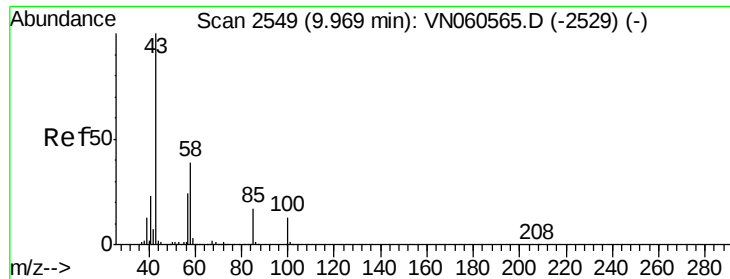
MMDadoda
3/18/2020 7:00:48 PM



#50
Toluene-d8
Concen: 49.297 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





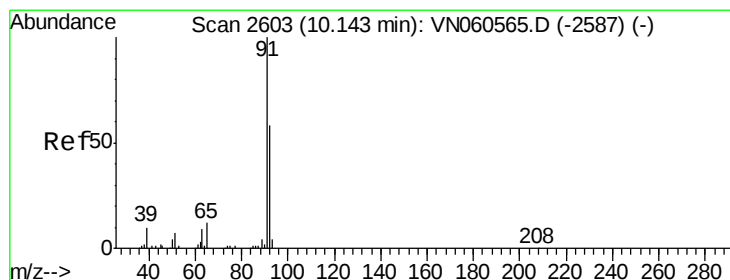
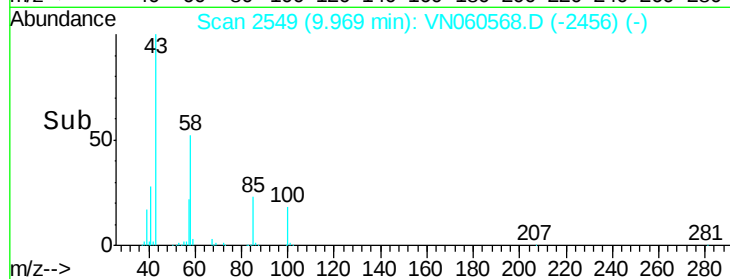
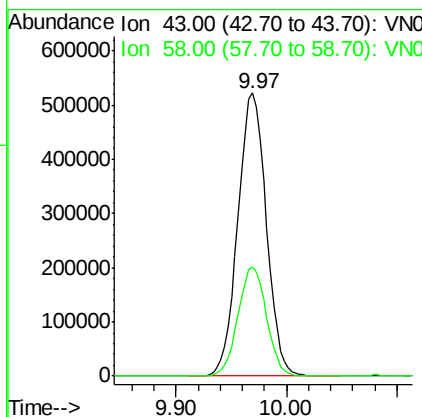
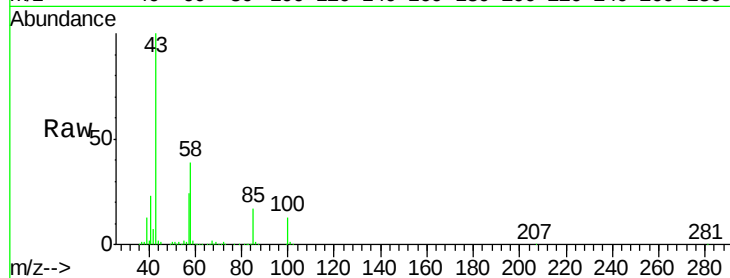
#51
4-Methyl-2-Pentanone
Concen: 263.939 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampled :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.8	46.2

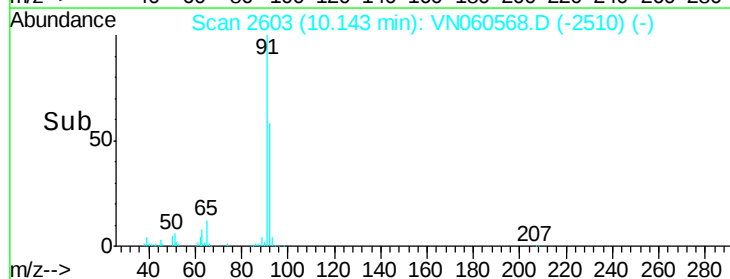
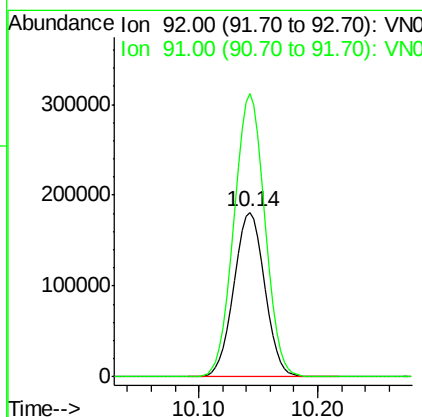
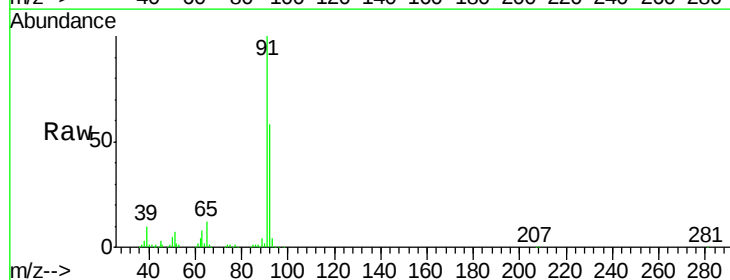
Manual Integrations
APPROVED

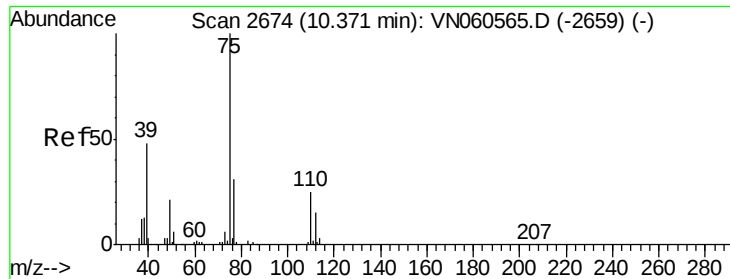
MMDadoda
3/18/2020 7:00:48 PM



#52
Toluene
Concen: 51.482 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 51.791 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 75 Resp: 207243

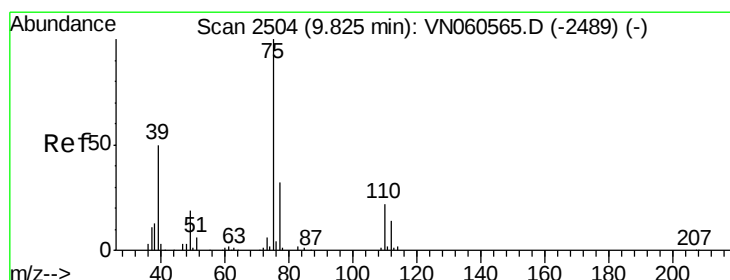
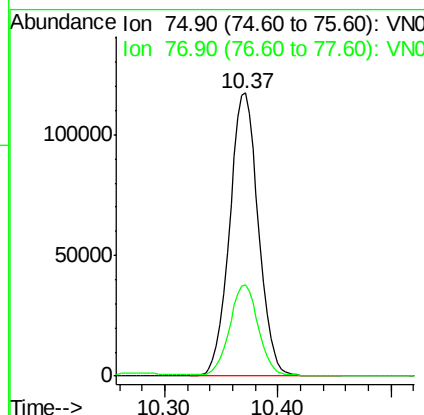
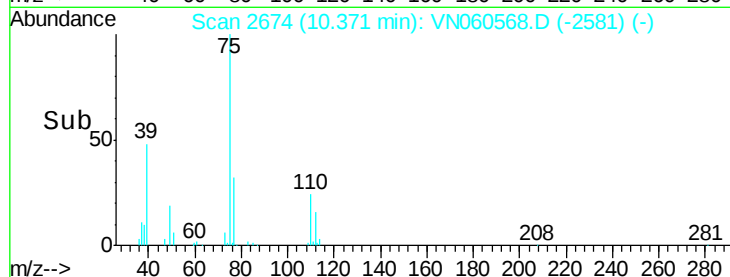
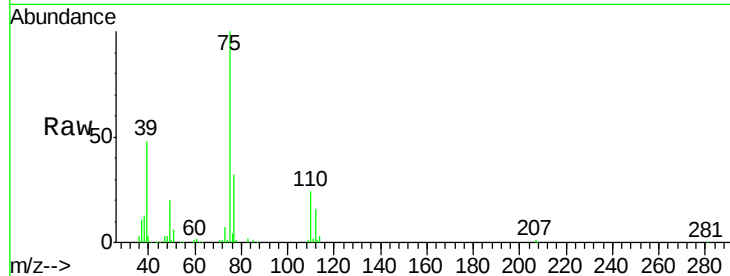
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#54

cis-1,3-Dichloropropene

Concen: 50.833 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

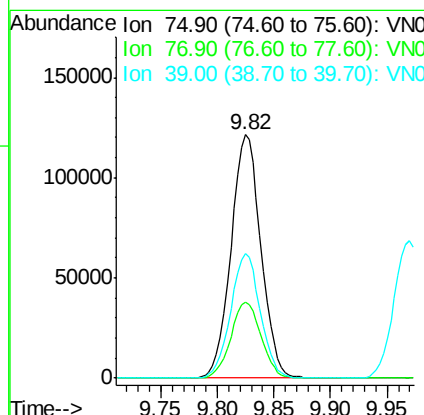
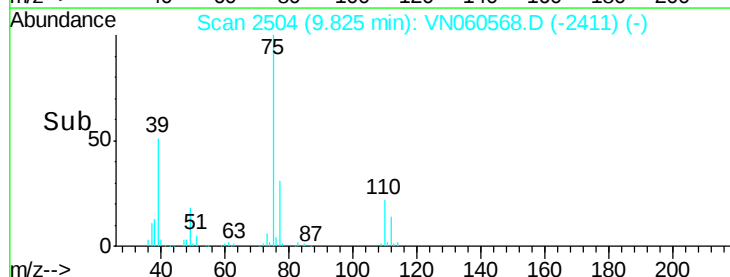
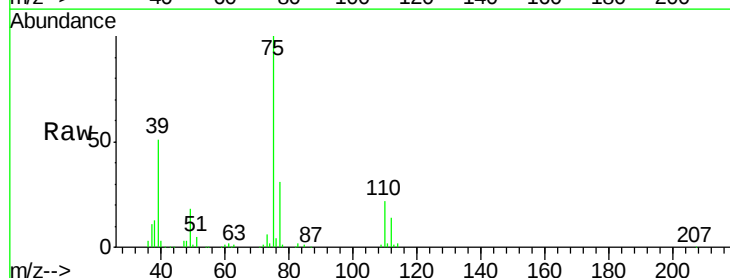
Tgt Ion: 75 Resp: 223151

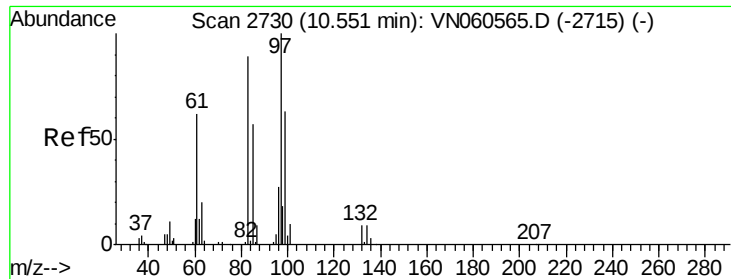
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 51.3 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 51.126 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 97 Resp: 124832

Ion Ratio Lower Upper

97 100

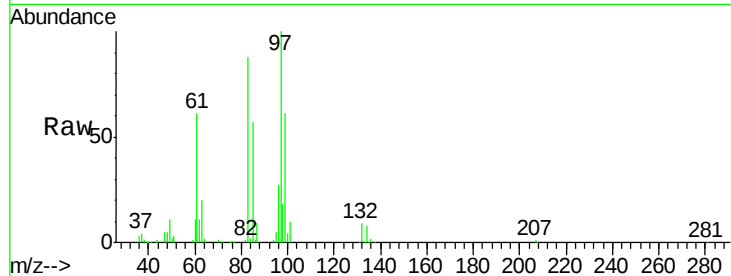
83 87.9 71.3 106.9

85 56.7 45.2 67.8

99 61.3 50.1 75.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM

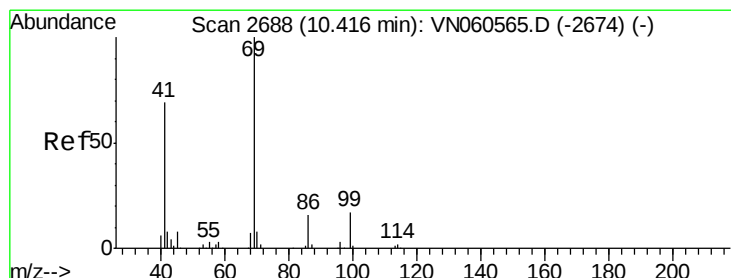
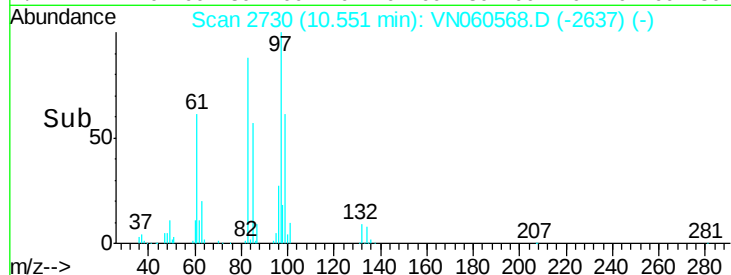
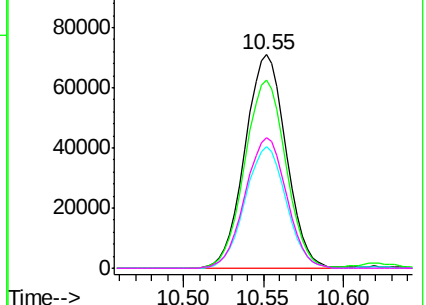


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.394 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion: 69 Resp: 207083

Ion Ratio Lower Upper

69 100

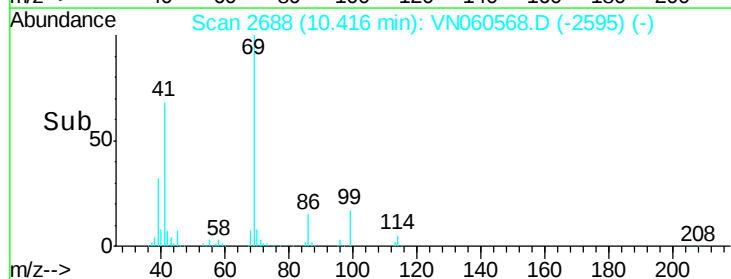
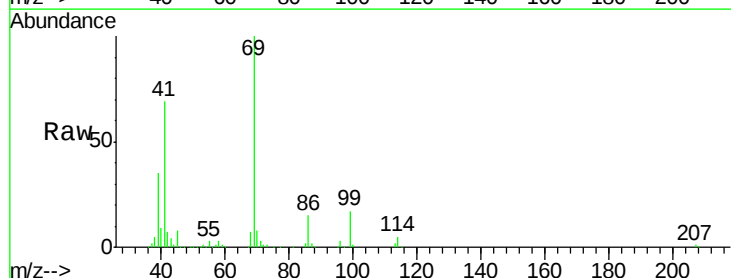
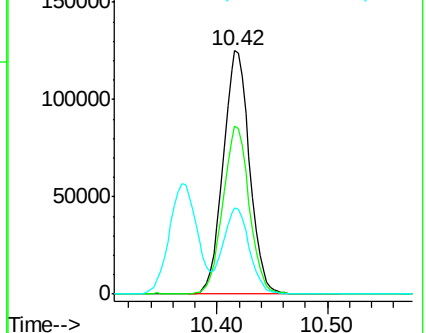
41 68.5 55.4 83.2

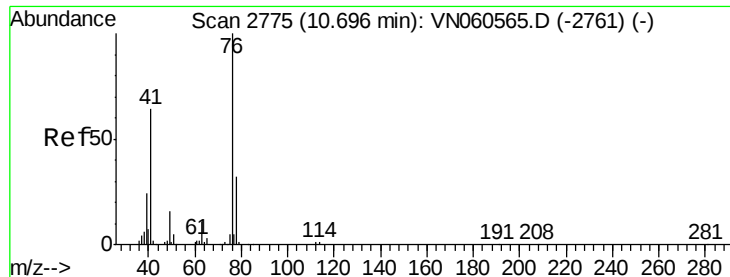
39 35.7 29.4 44.0

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





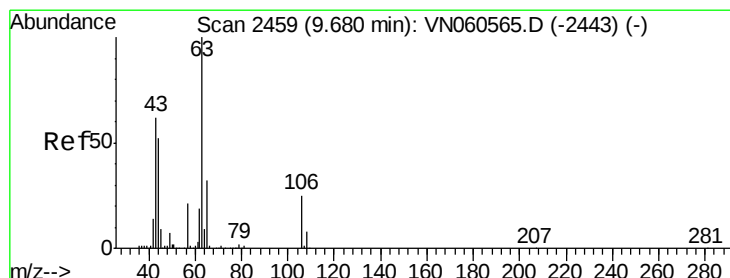
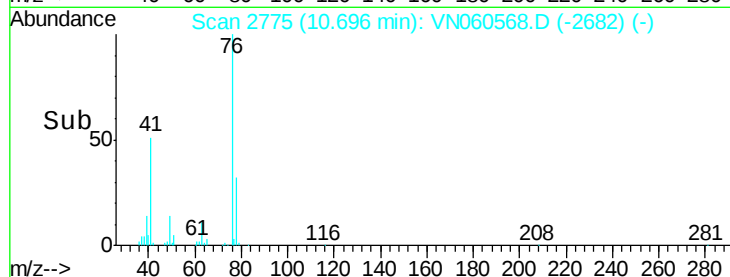
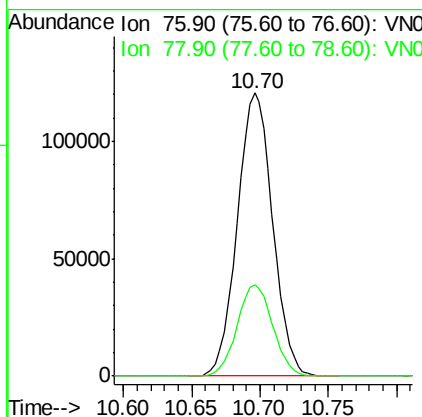
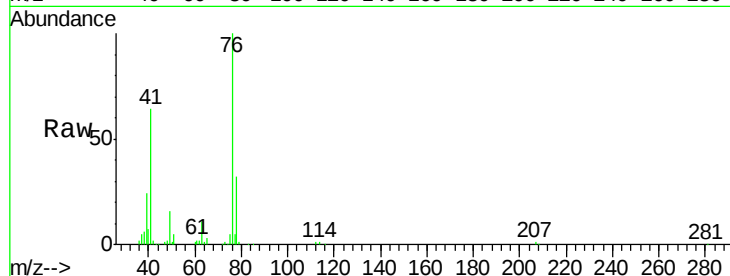
#57
 1,3-Dichloropropane
 Concen: 51.112 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

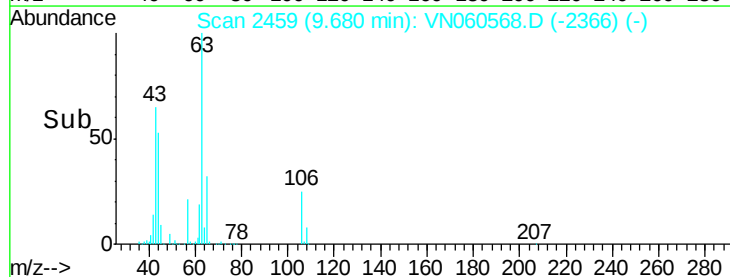
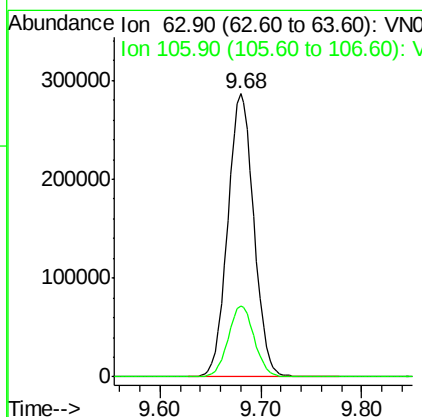
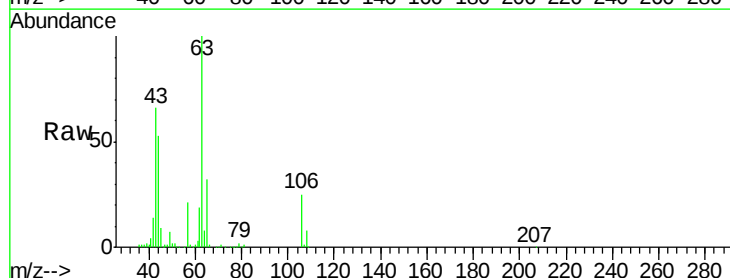
Manual Integrations
 APPROVED

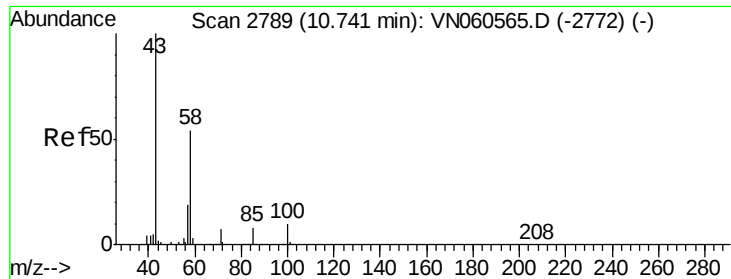
MMDadoda
 3/18/2020 7:00:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.841 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





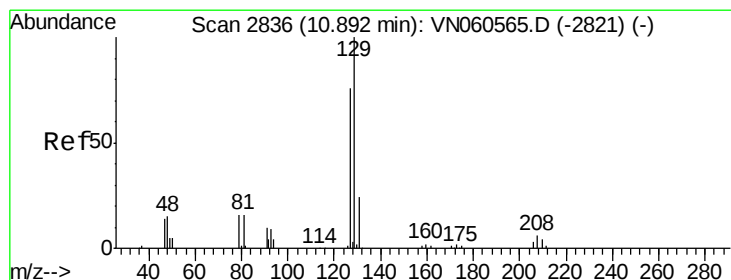
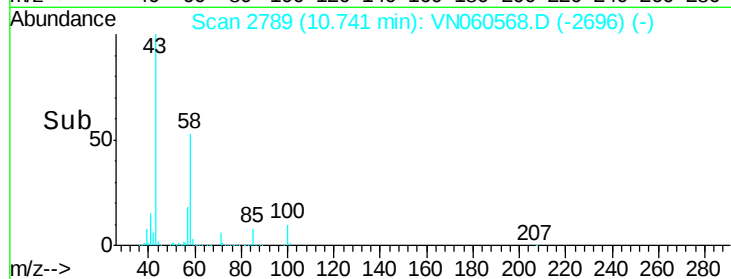
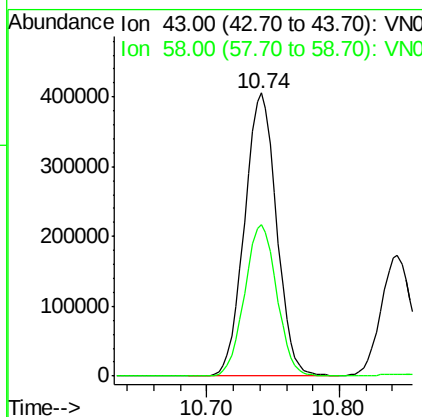
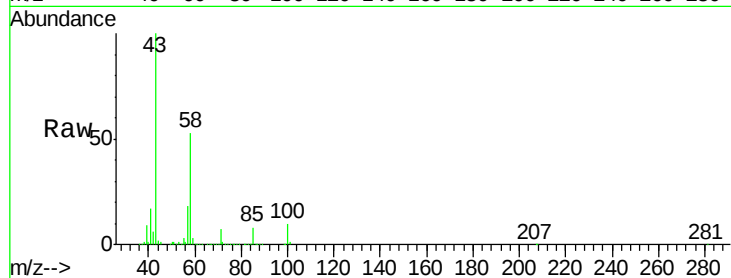
#59
2-Hexanone
Concen: 266.968 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion: 43 Resp: 678868
Ion Ratio Lower Upper
43 100
58 54.0 26.7 80.1

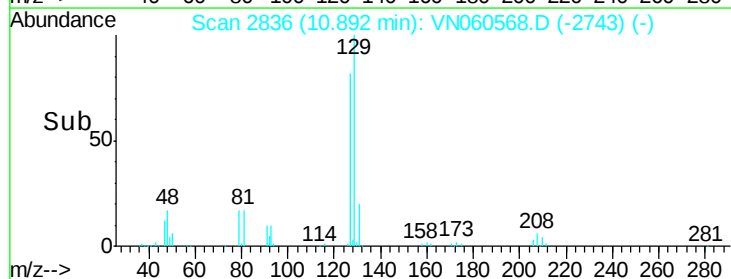
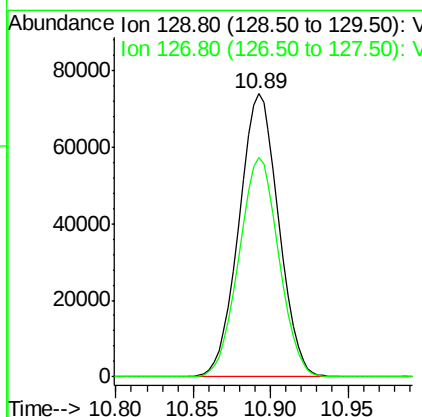
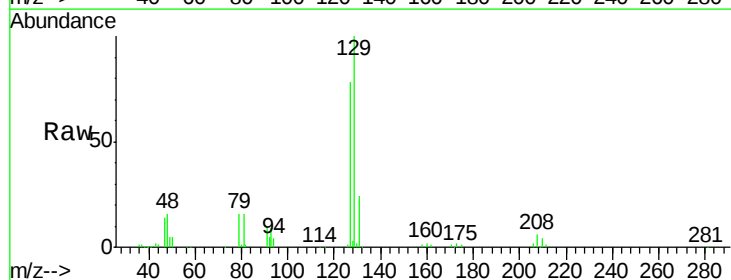
Manual Integrations
APPROVED

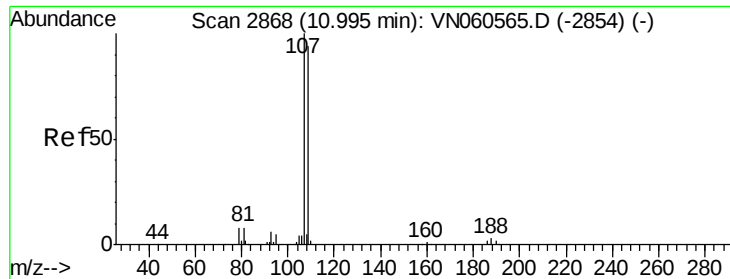
MMDadoda
3/18/2020 7:00:48 PM



#60
Dibromochloromethane
Concen: 52.209 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion: 129 Resp: 131677
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.774 ug/l

RT: 11.00 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion:107 Resp: 129572

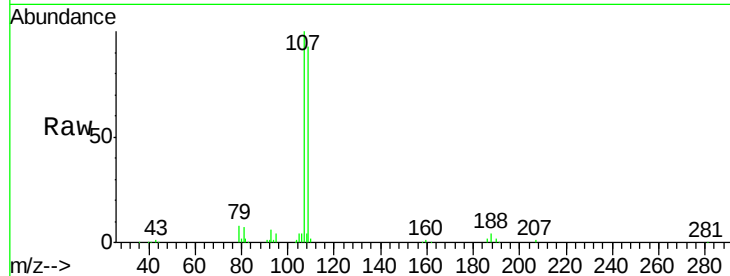
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2

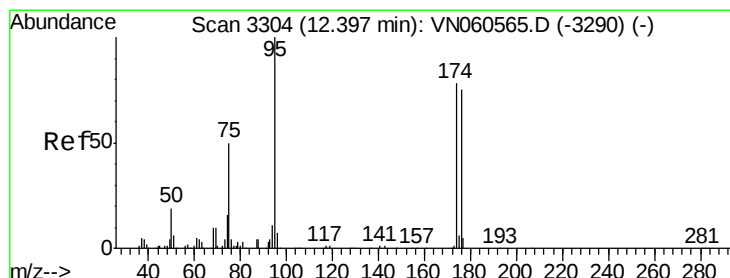
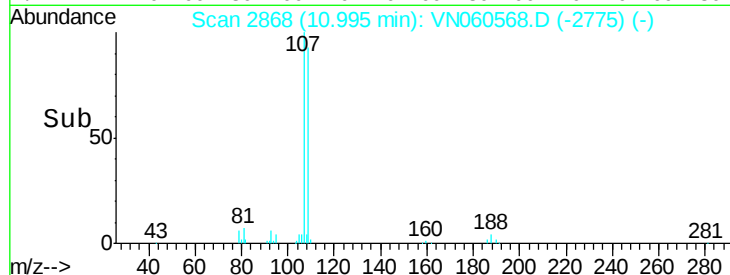
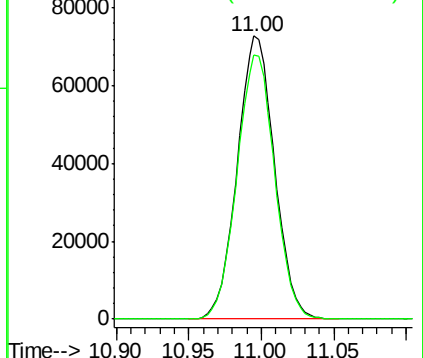
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.753 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

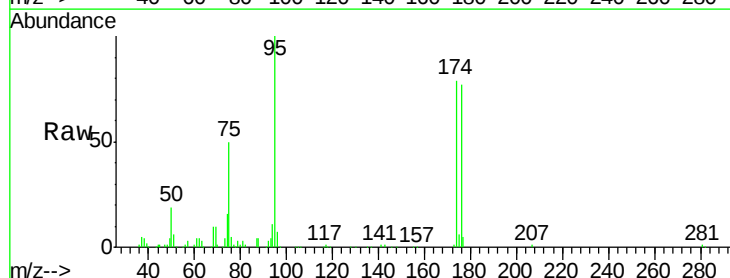
Tgt Ion: 95 Resp: 158652

Ion Ratio Lower Upper

95 100

174 79.1 0.0 157.6

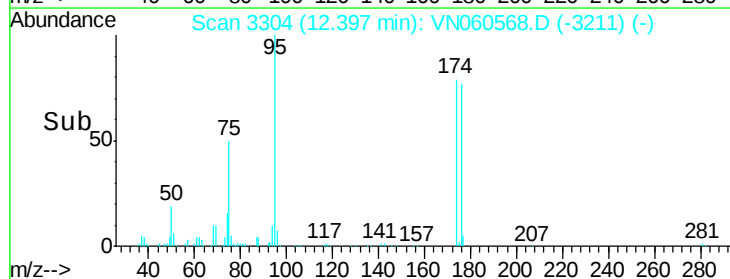
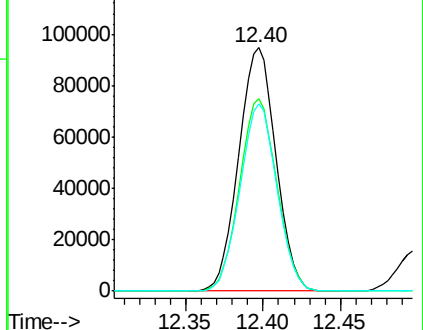
176 76.2 0.0 150.6

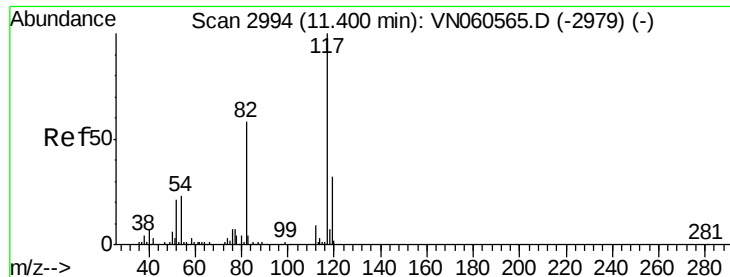


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





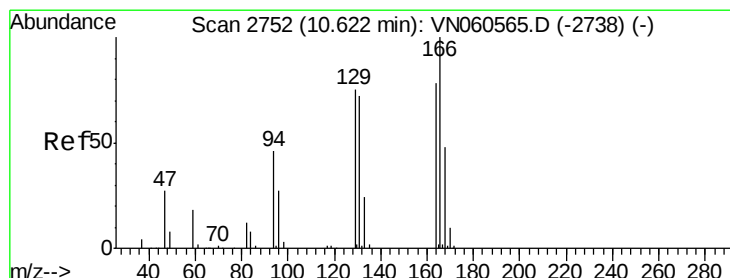
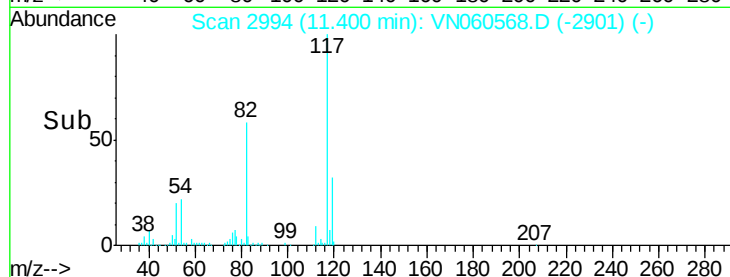
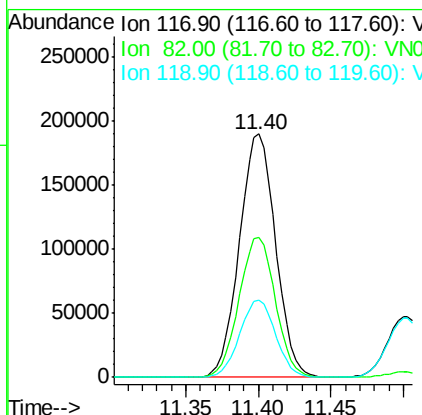
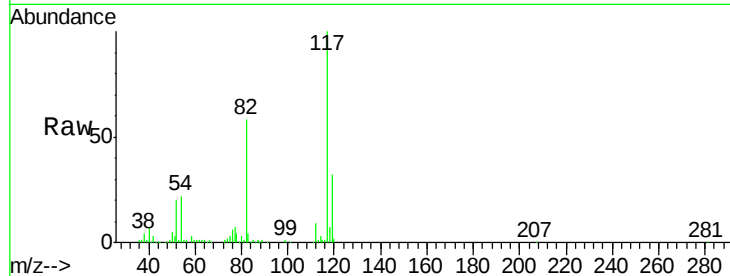
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.7	70.1
119	31.9	25.5	38.3

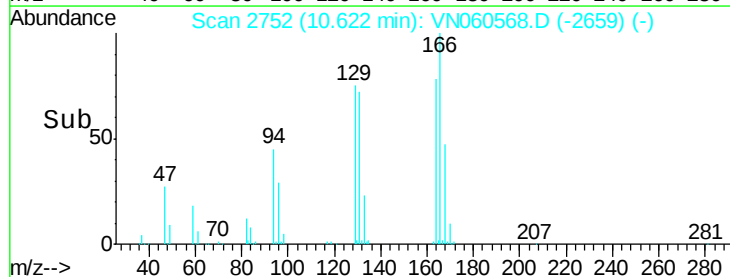
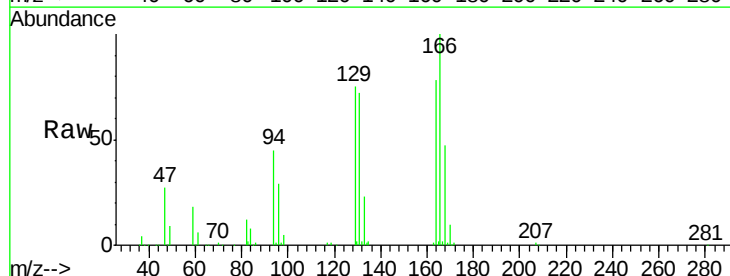
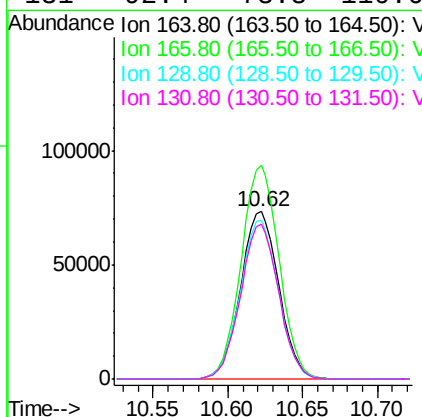
Manual Integrations
APPROVED

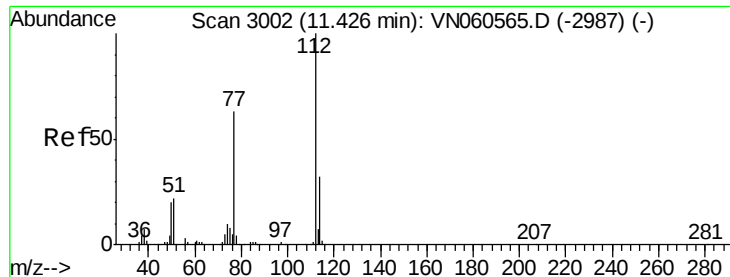
MMDadoda
3/18/2020 7:00:48 PM



#64
Tetrachloroethene
Concen: 50.249 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.7	154.1
129	95.2	77.2	115.8
131	92.4	73.8	110.6





#65

Chlorobenzene

Concen: 50.740 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampled :

ICVVN031820

Tot Ion:112 Resp: 331818

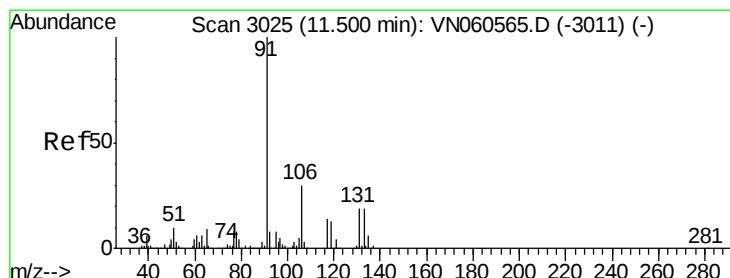
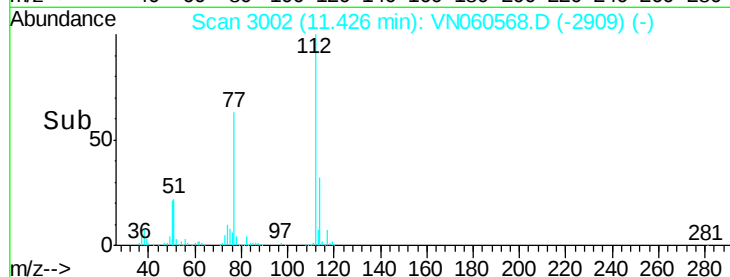
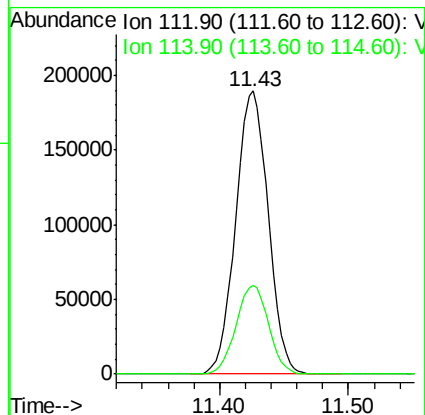
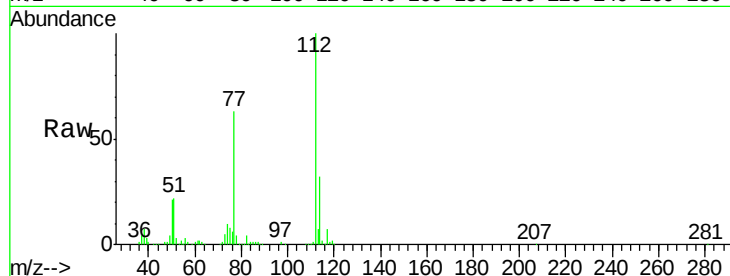
Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.241 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

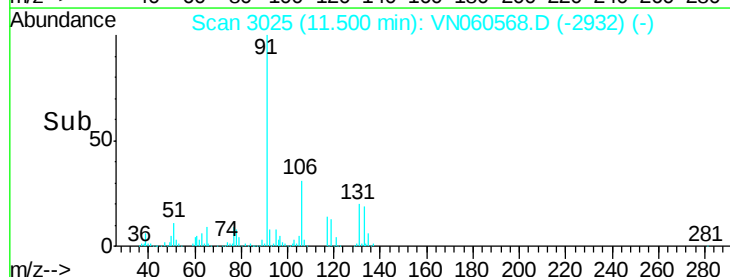
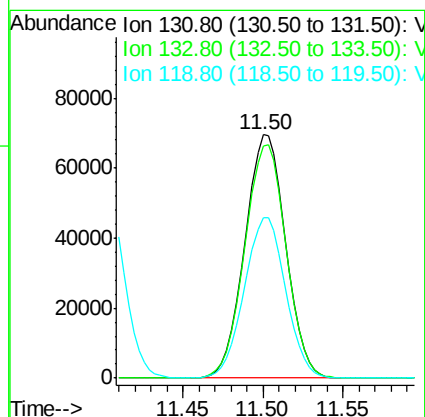
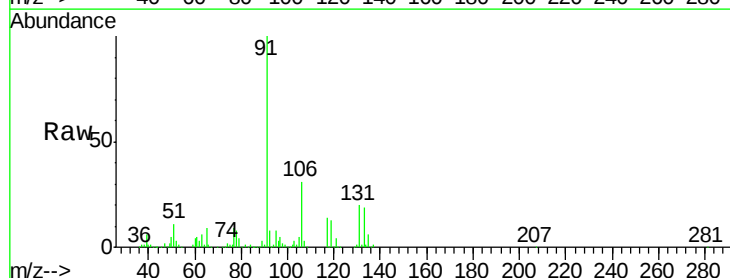
Tgt Ion:131 Resp: 121324

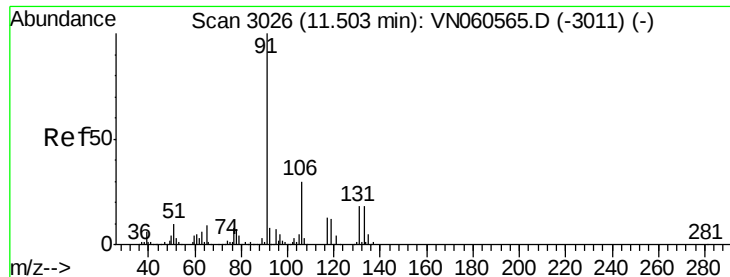
Ion Ratio Lower Upper

131 100

133 97.1 48.9 146.8

119 66.5 33.9 101.7





#67

Ethyl Benzene

Concen: 51.242 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampled :

ICVVN031820

Tot Ion: 91 Resp: 623166

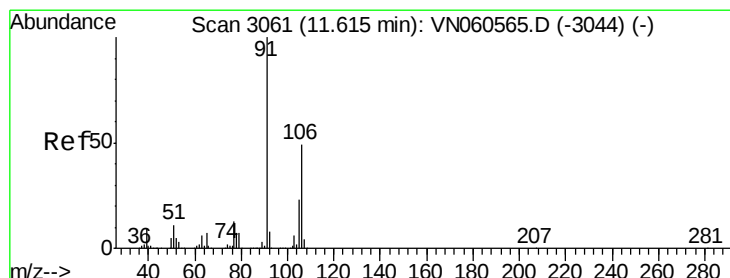
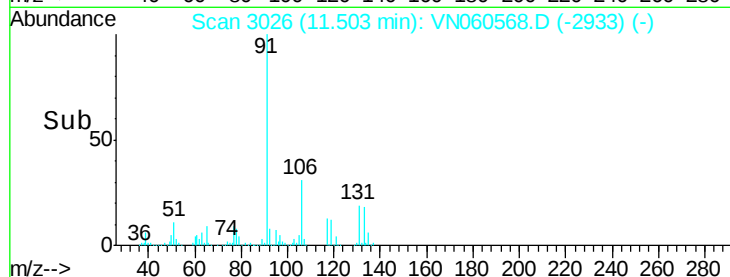
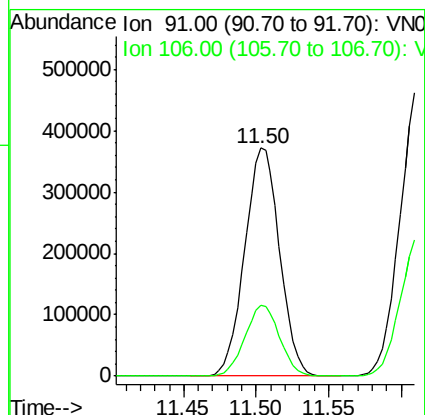
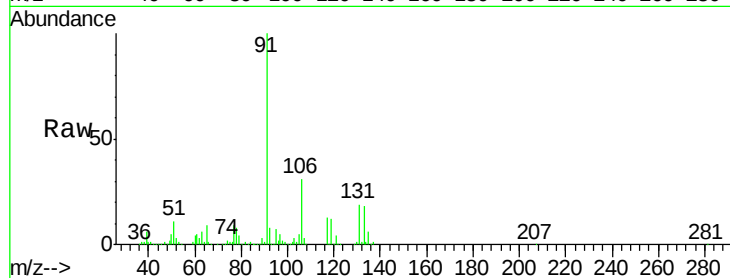
Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#68

m/p-Xylenes

Concen: 102.119 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060568.D

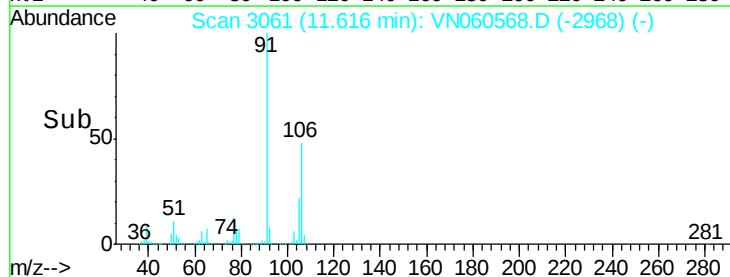
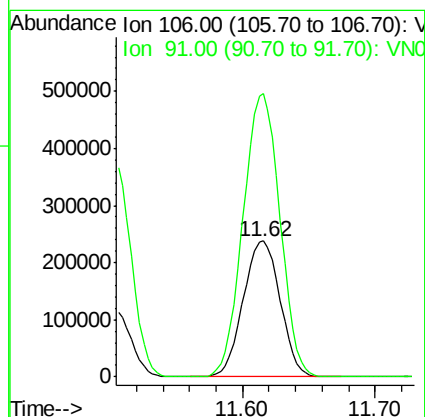
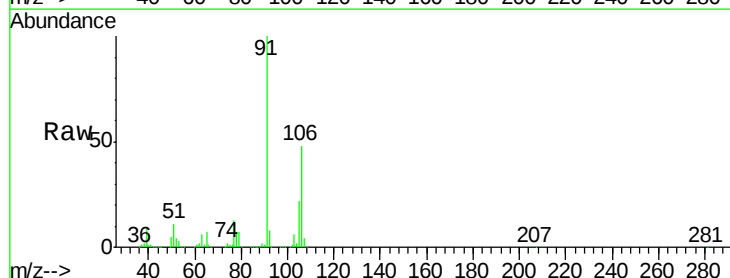
Acq: 17 Mar 2020 20:21

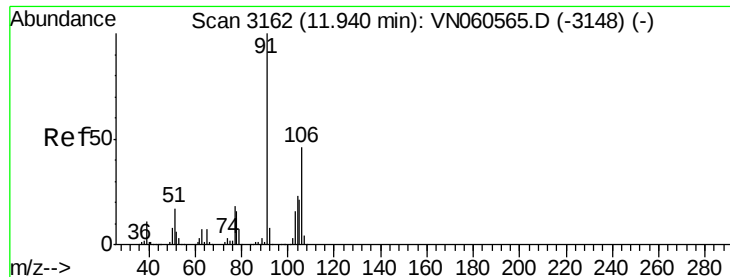
Tgt Ion: 106 Resp: 461492

Ion Ratio Lower Upper

106 100

91 207.6 165.0 247.4





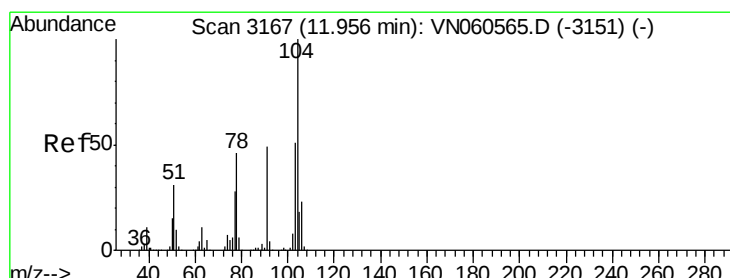
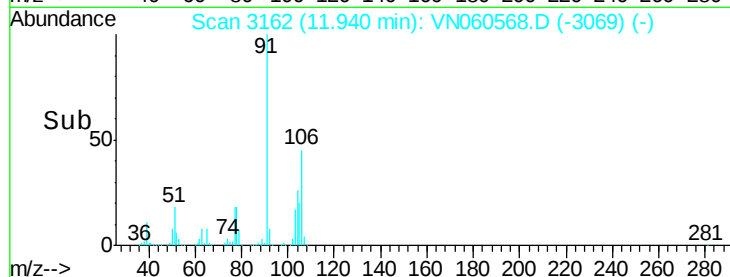
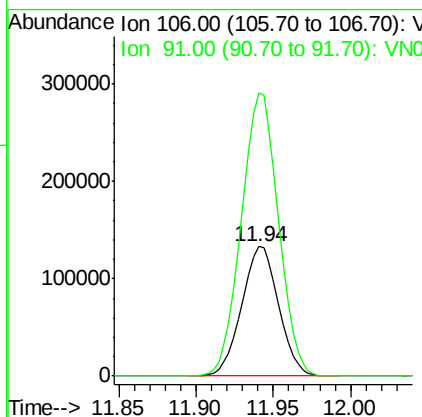
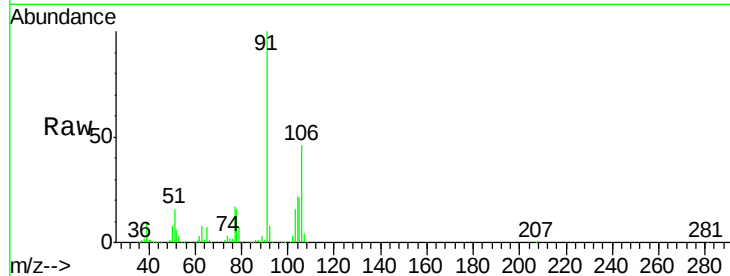
#69
o-Xylene
Concen: 51.223 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.8	109.5	328.4

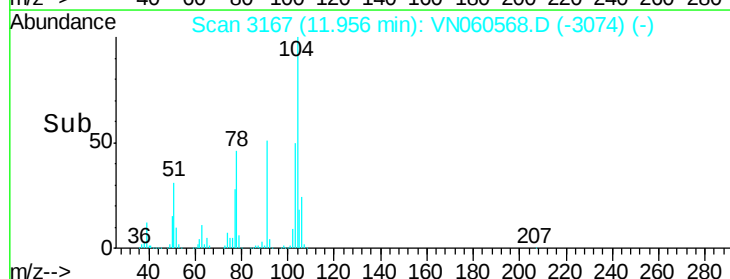
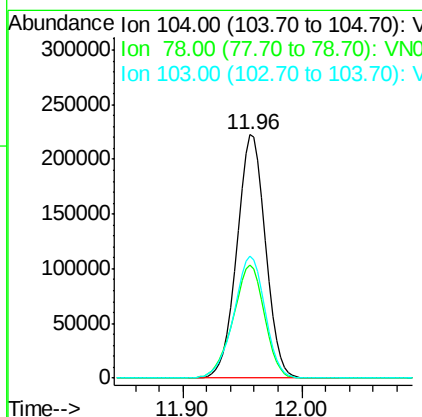
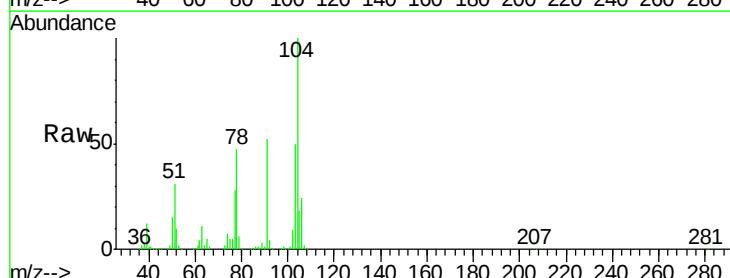
Manual Integrations
APPROVED

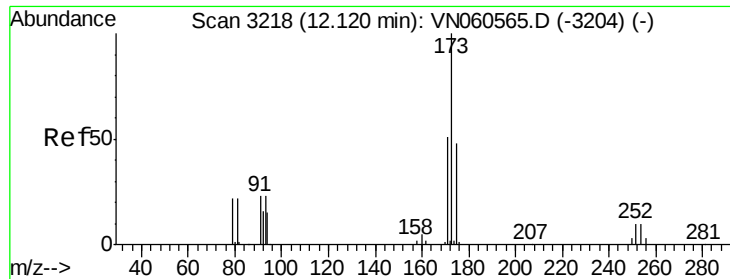
MMDadoda
3/18/2020 7:00:48 PM



#70
Styrene
Concen: 52.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	54.6	44.0	66.0





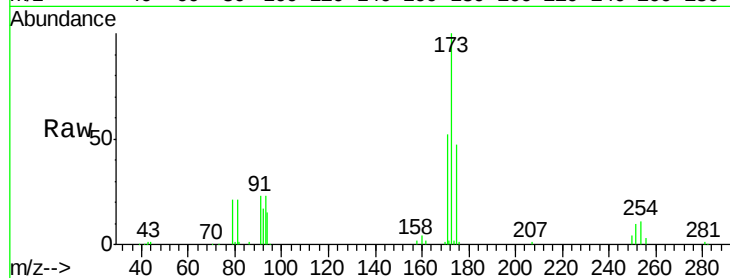
#71
Bromoform
Concen: 48.527 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

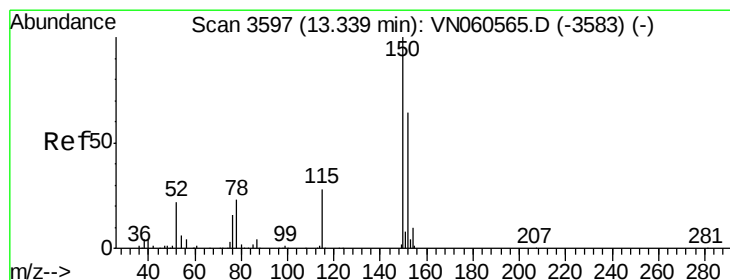
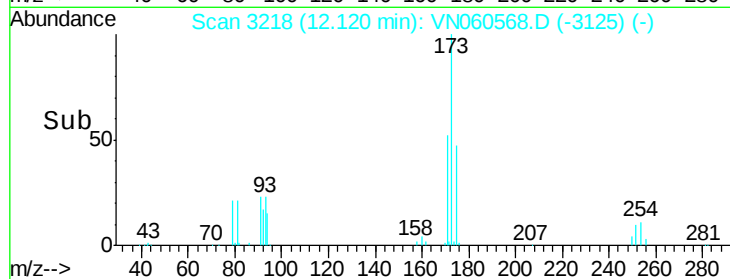
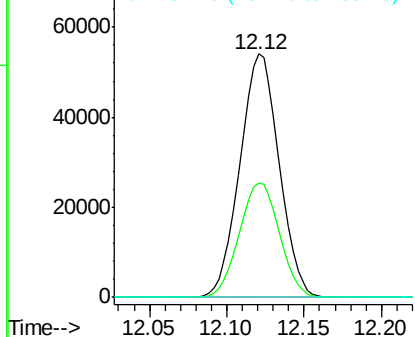
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM

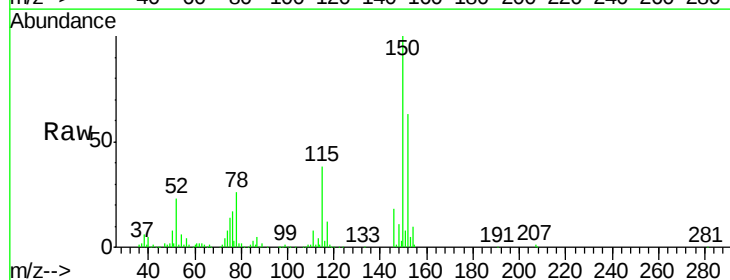


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

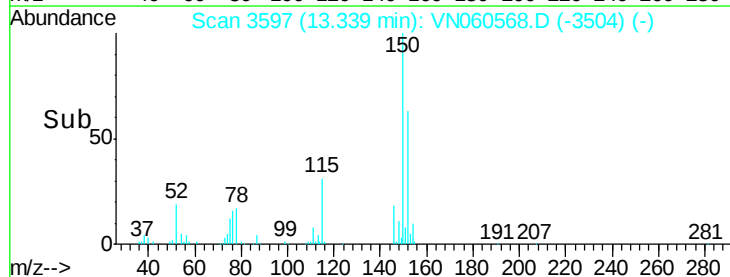
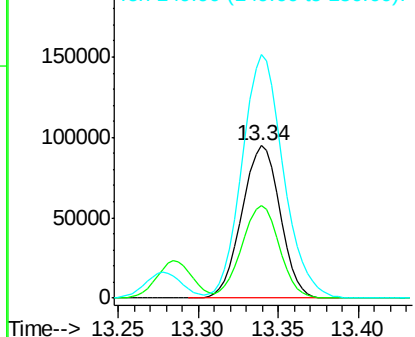


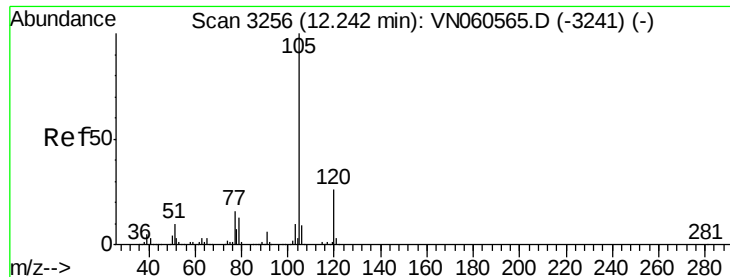
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.2	90.6
150	172.7	0.0	350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.695 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 105 Resp: 587980

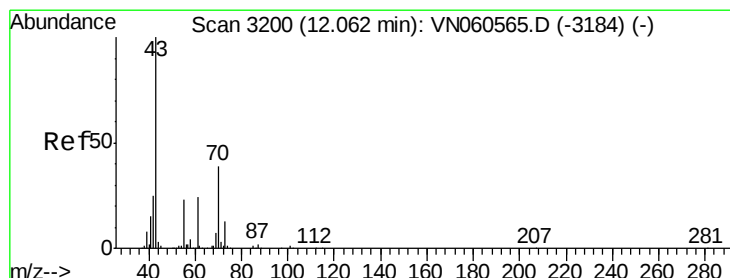
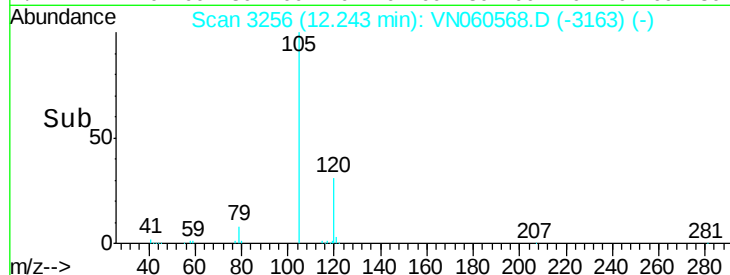
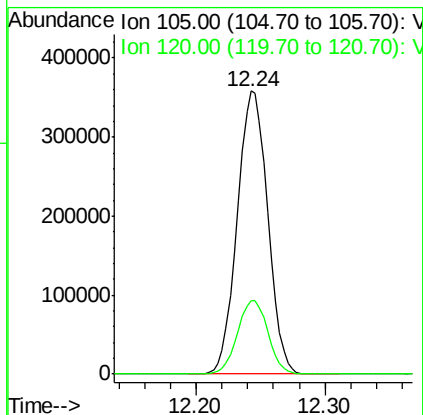
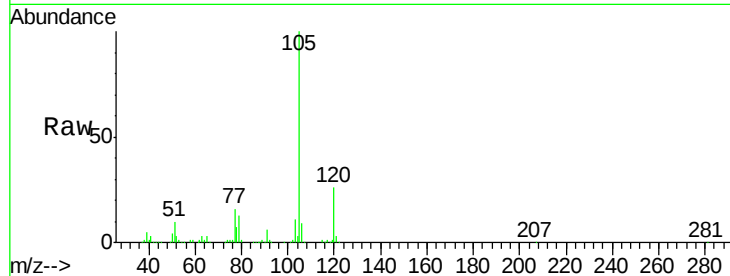
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#74

N-ethyl acetate

Concen: 52.416 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion: 43 Resp: 280921

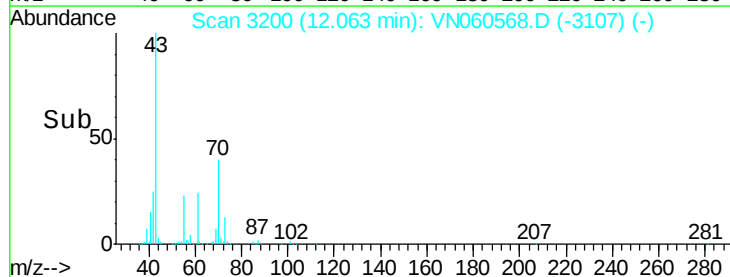
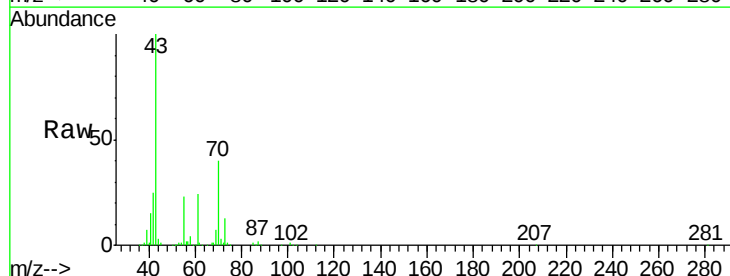
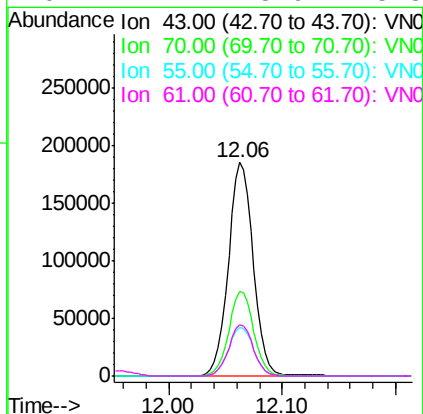
Ion Ratio Lower Upper

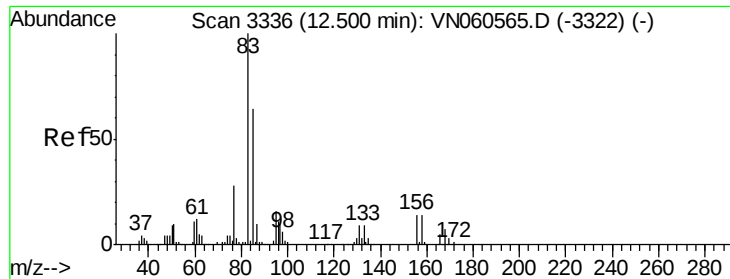
43 100

70 39.8 31.1 46.7

55 23.3 18.6 27.8

61 24.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.109 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

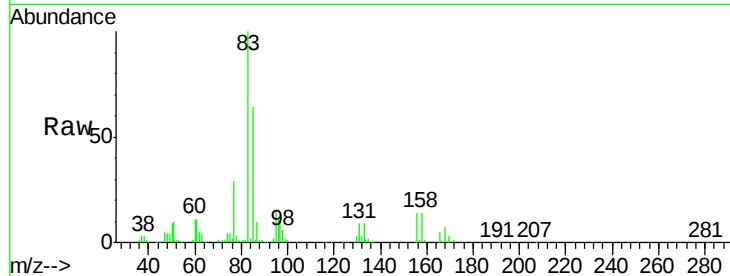
ClientSampled :

ICVVN031820

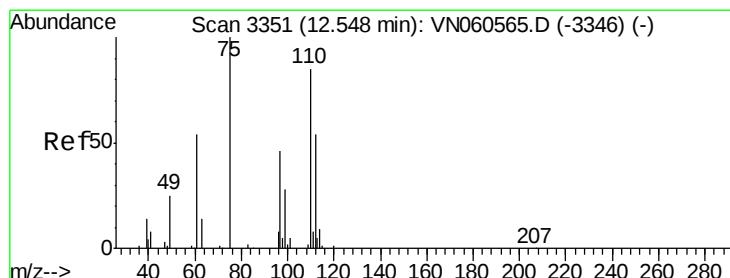
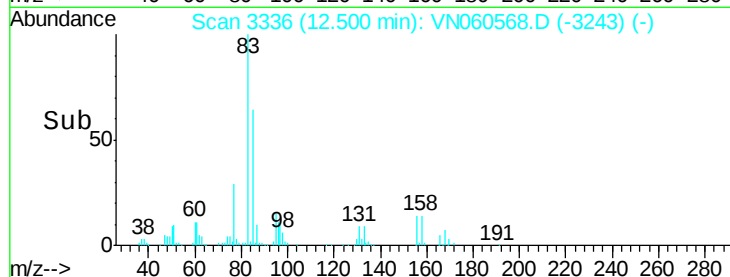
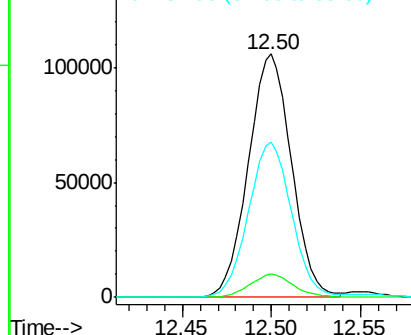
Tot Ion:	83	Resp:	179262
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	63.7	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.209 ug/l m

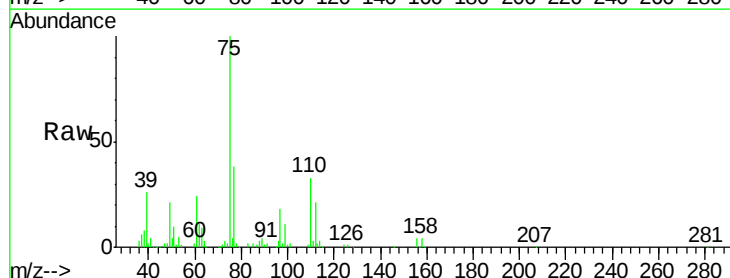
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

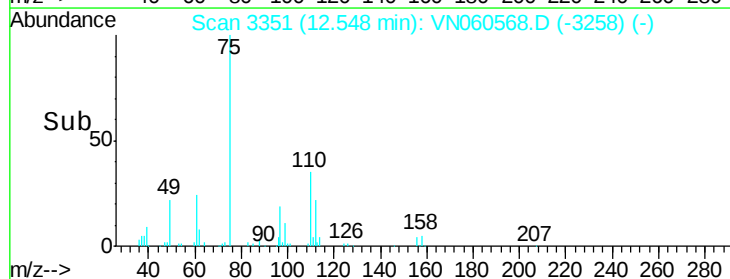
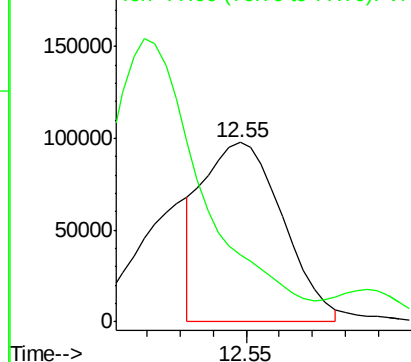
Lab File: VN060568.D

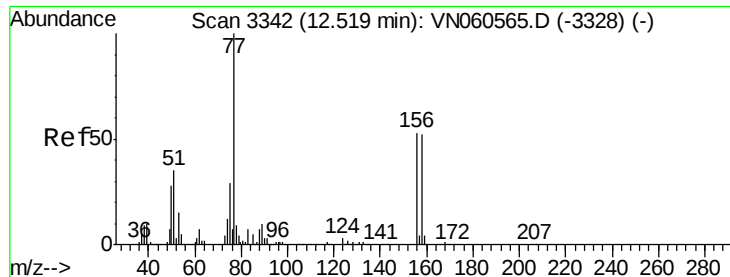
Acq: 17 Mar 2020 20:21

Tgt Ion:	75	Resp:	164105
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





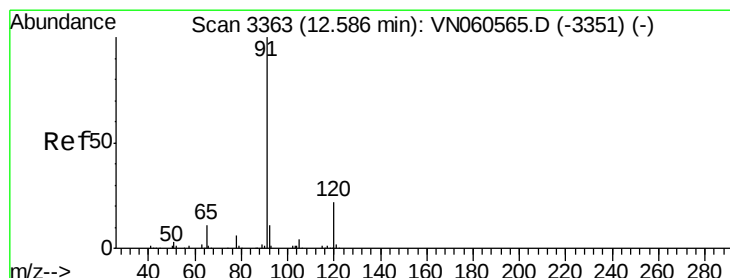
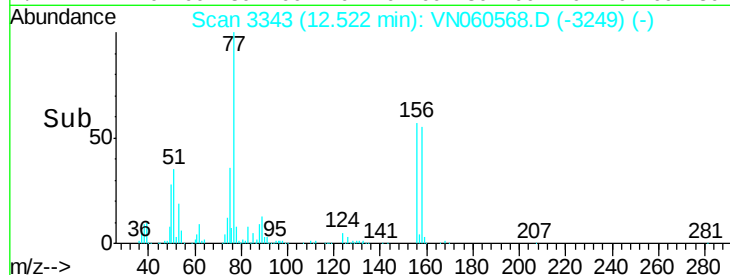
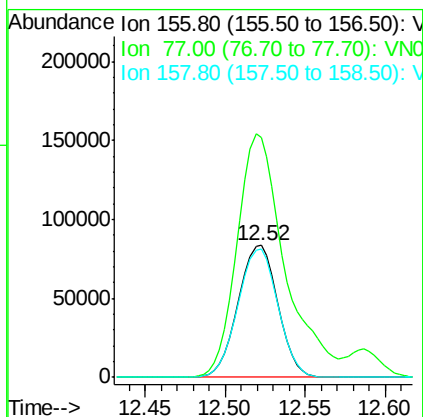
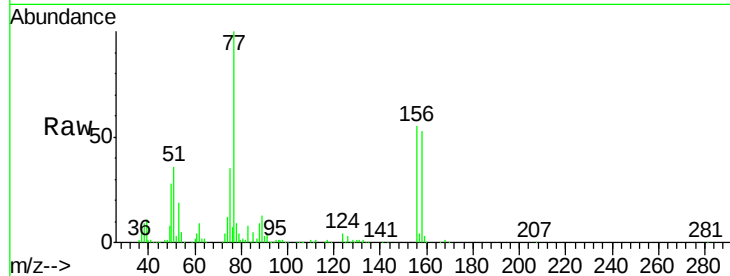
#77
Bromobenzene
Concen: 50.644 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.6	112.3	337.0
158	97.9	48.6	145.8

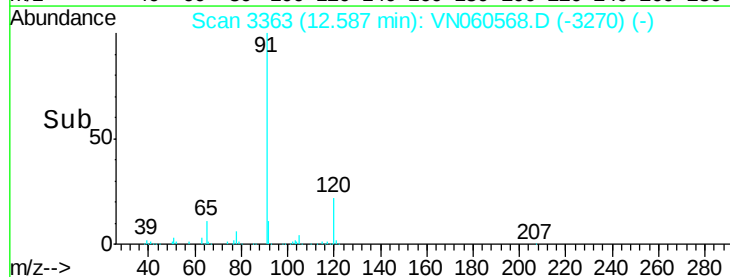
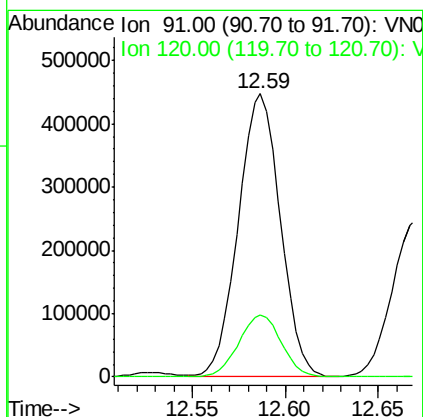
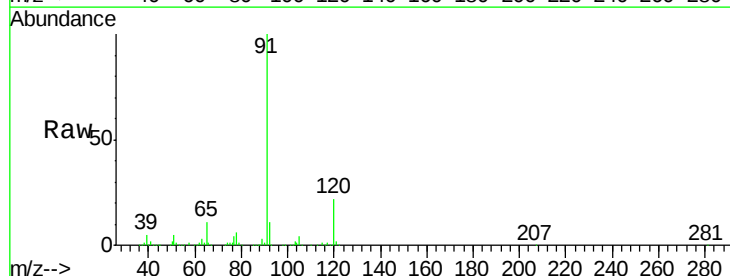
Manual Integrations
APPROVED

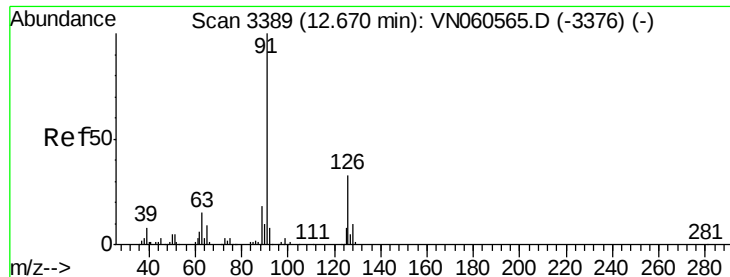
MMDadoda
3/18/2020 7:00:48 PM



#78
n-propylbenzene
Concen: 51.141 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 49.790 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion: 91 Resp: 407650

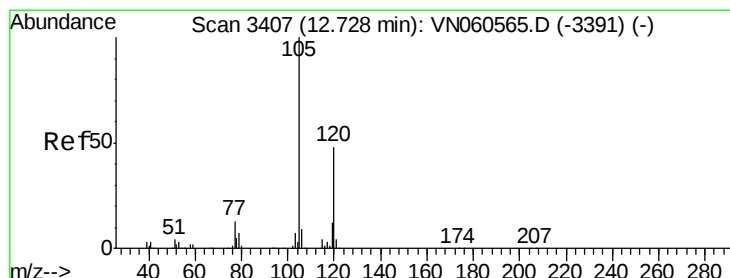
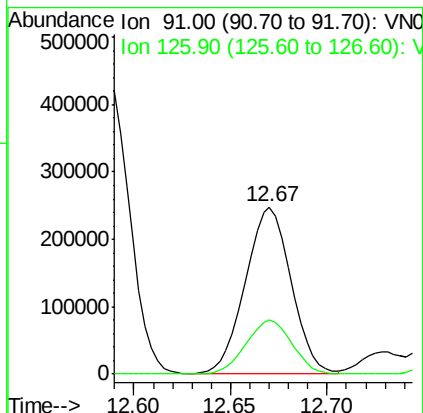
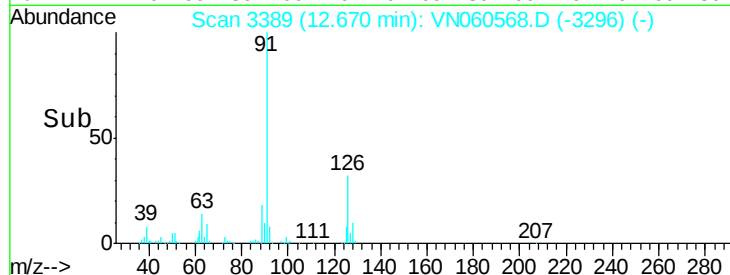
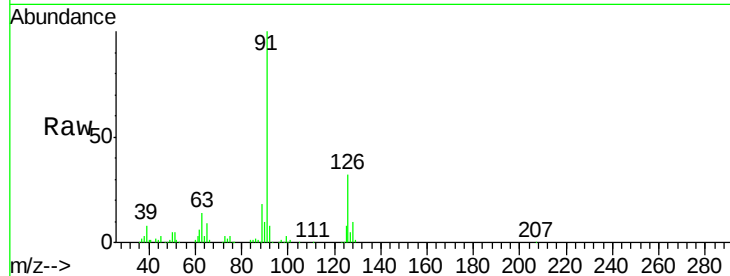
Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.704 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060568.D

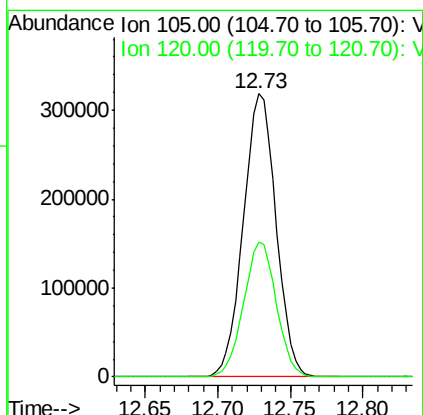
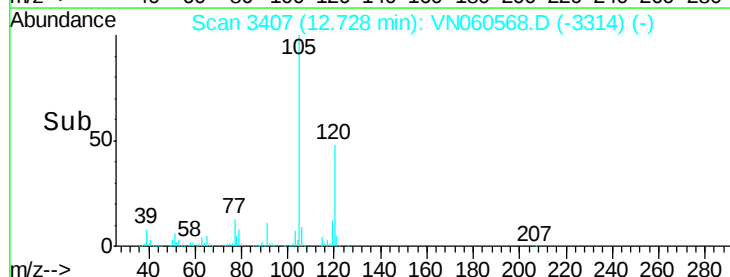
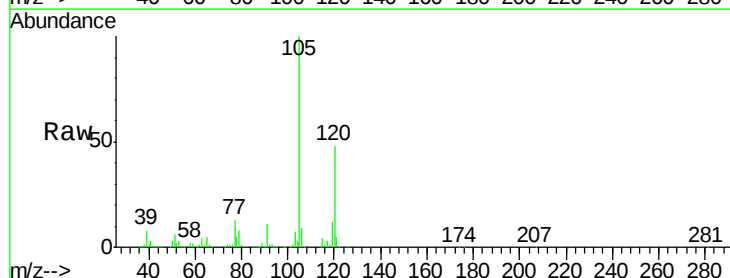
Acq: 17 Mar 2020 20:21

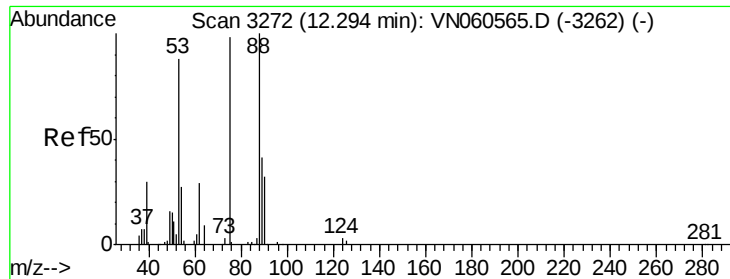
Tgt Ion: 105 Resp: 499055

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7





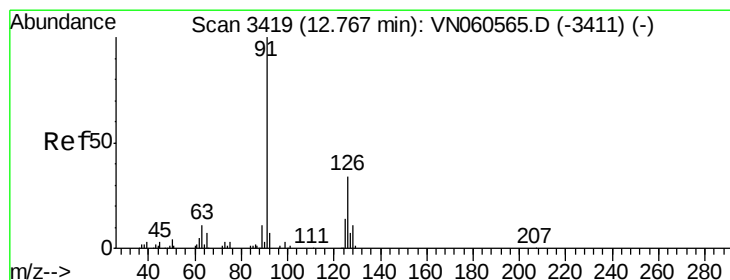
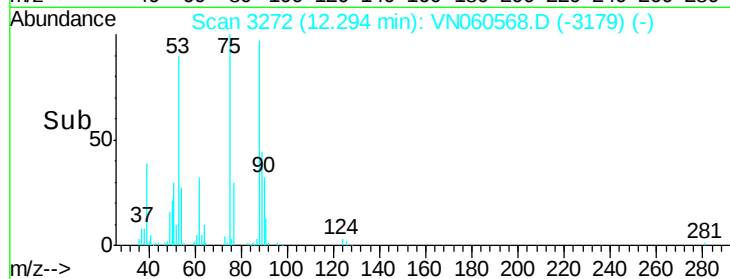
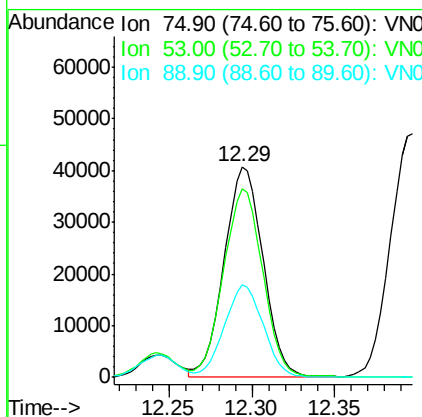
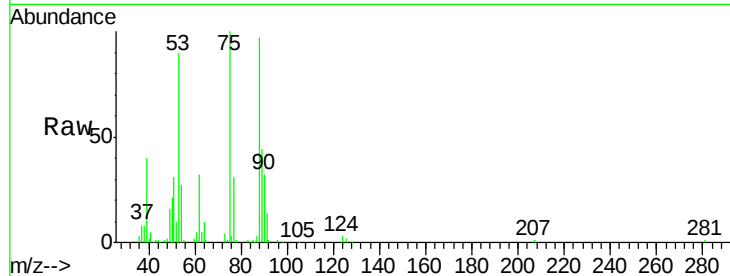
#81
trans-1,4-Dichloro-2-butene
Concen: 51.395 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	73.0	109.4
89	43.7	34.8	52.2

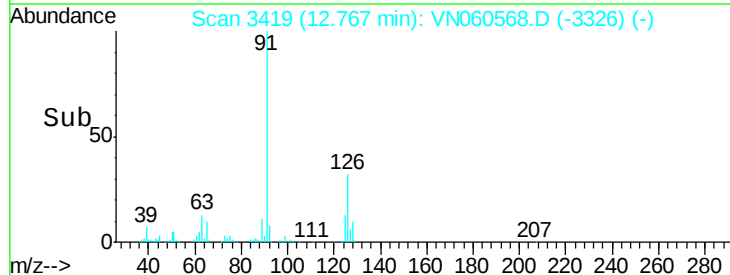
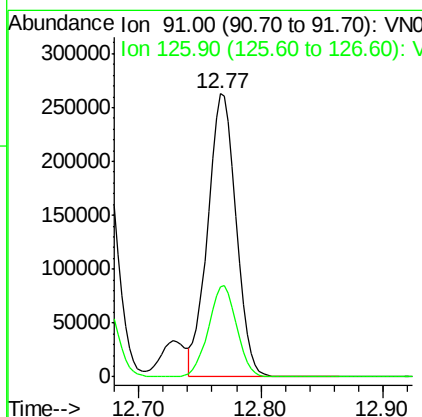
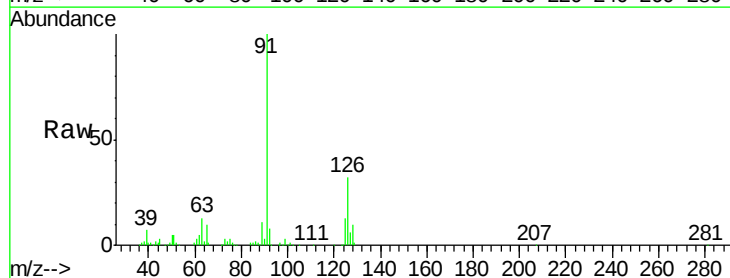
Manual Integrations
APPROVED

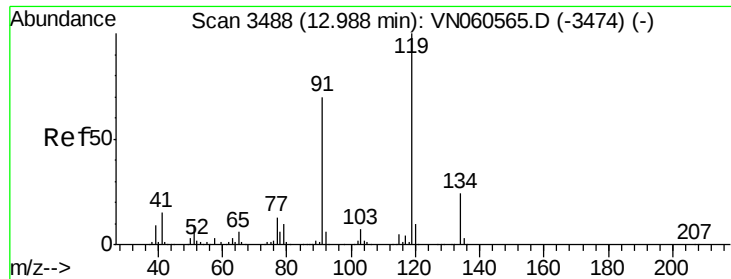
MMDadoda
3/18/2020 7:00:48 PM



#82
4-Chlorotoluene
Concen: 51.109 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.590 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

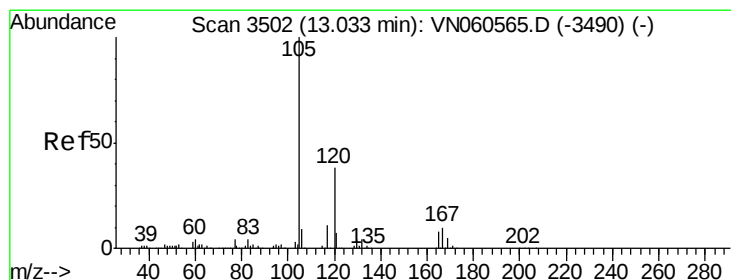
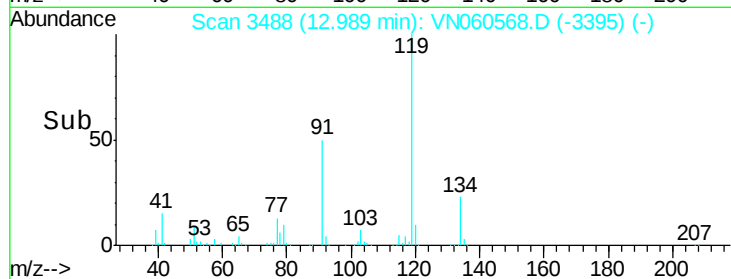
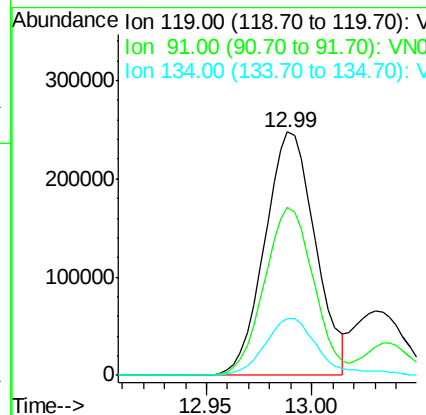
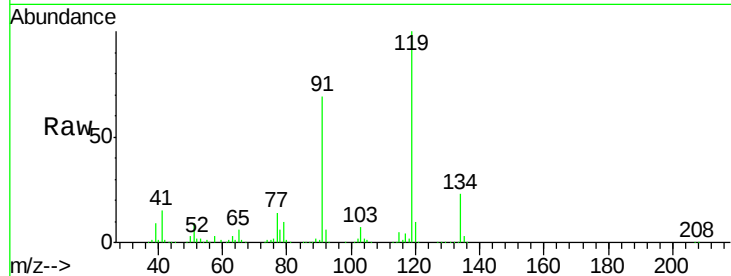
ClientSampleId :

ICVVN031820

Tot Ion:	119	Resp:	412777
Ion Ratio	Lower	Upper	
119	100		
91	67.6	34.0	101.8
134	24.9	12.7	38.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#84

1,2,4-Trimethylbenzene

Concen: 51.334 ug/l

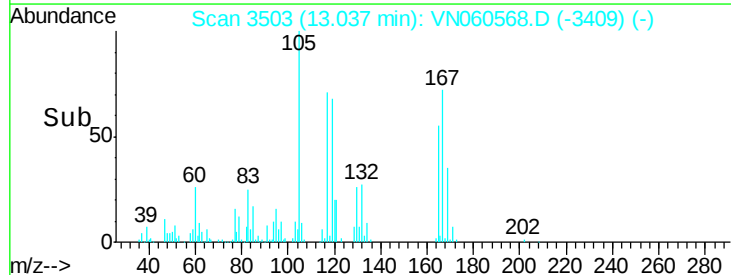
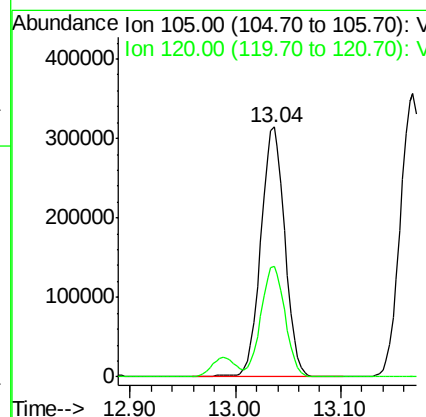
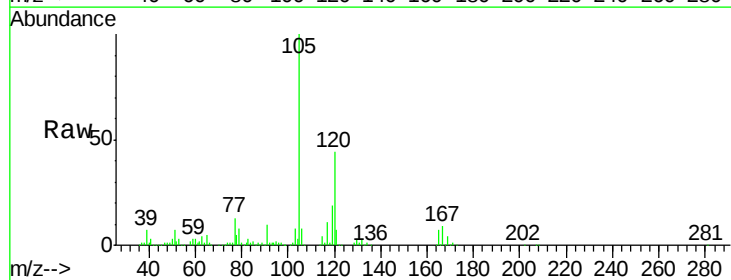
RT: 13.04 min Scan# 3503

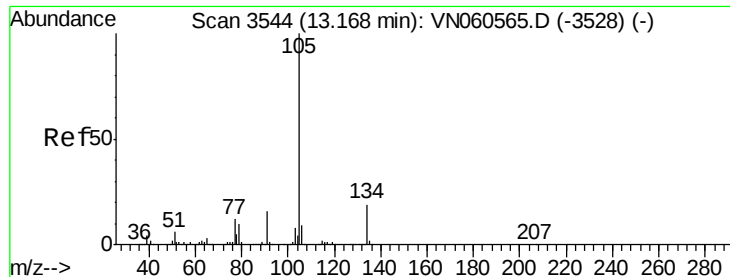
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	105	Resp:	499862
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 51.034 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031820

Tot Ion:105 Resp: 559936

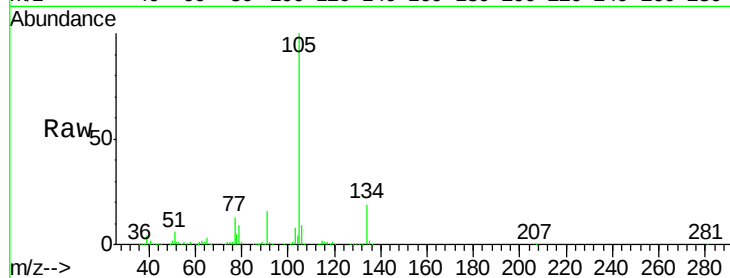
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

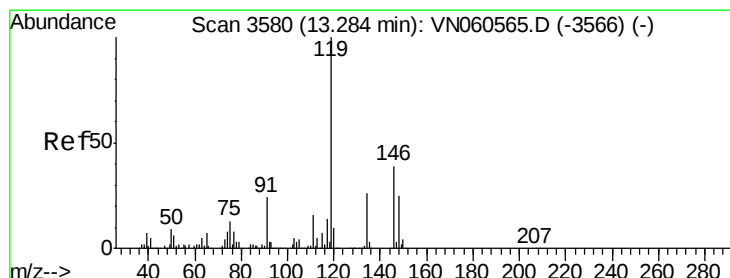
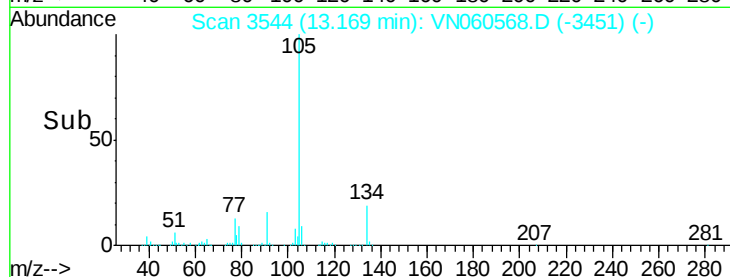
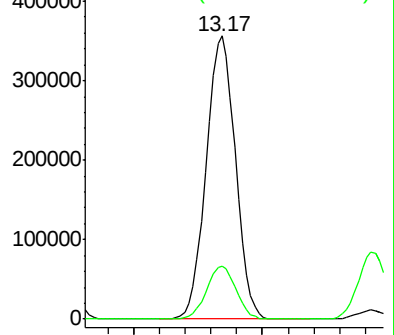
Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.782 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

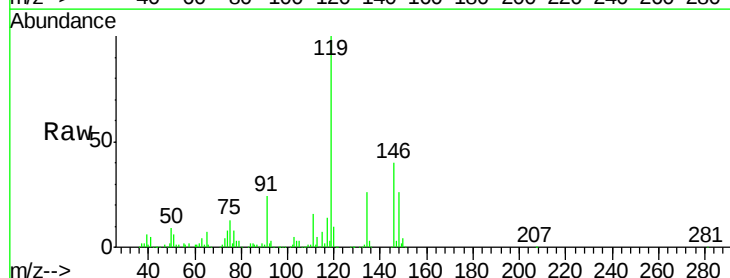
Tgt Ion:119 Resp: 501025

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

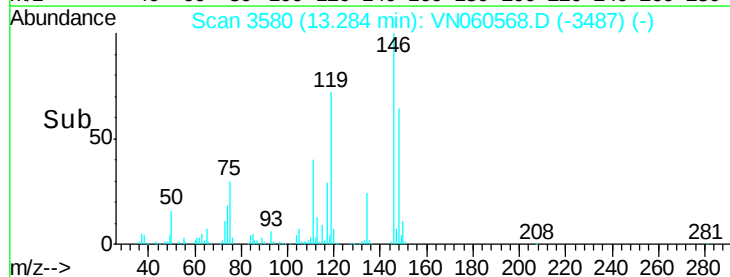
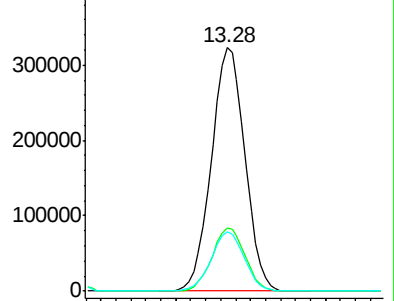
91 24.3 12.0 36.0

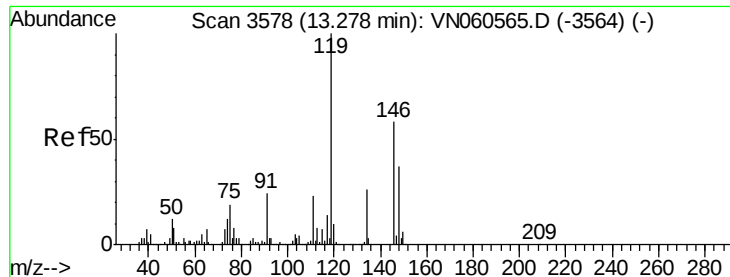


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





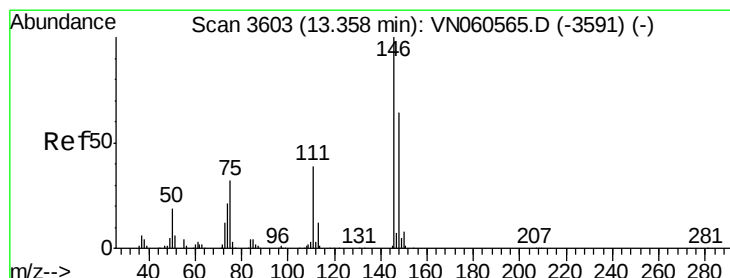
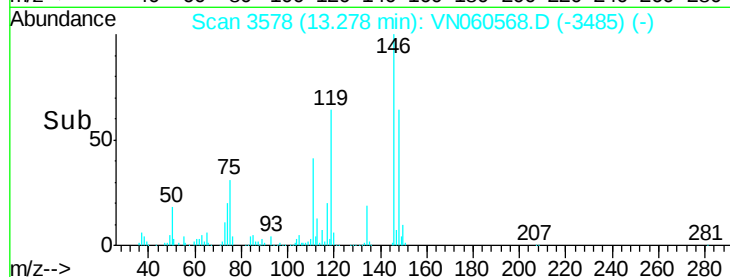
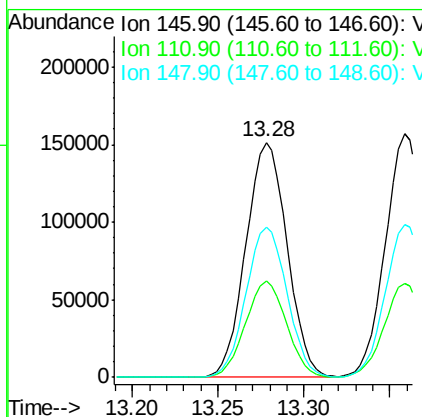
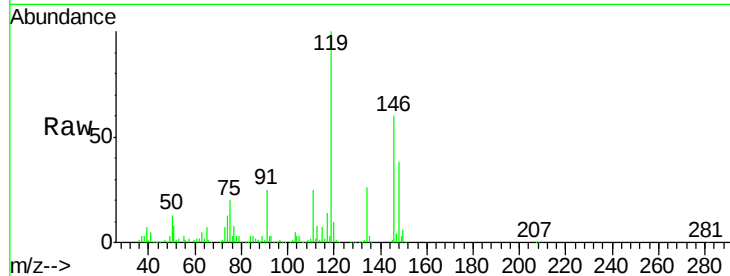
#87
 1,3-Dichlorobenzene
 Concen: 51.086 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.8	32.5	97.4

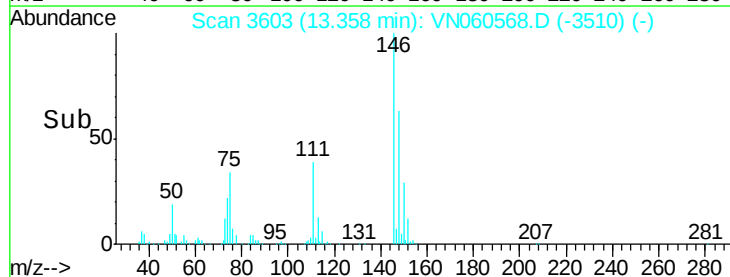
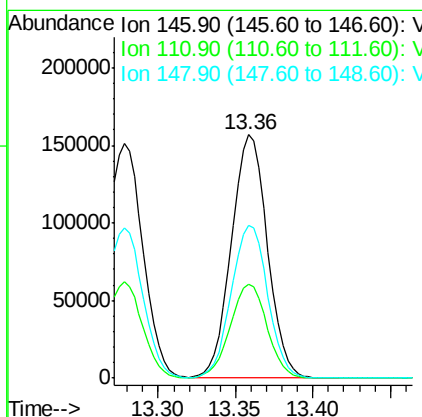
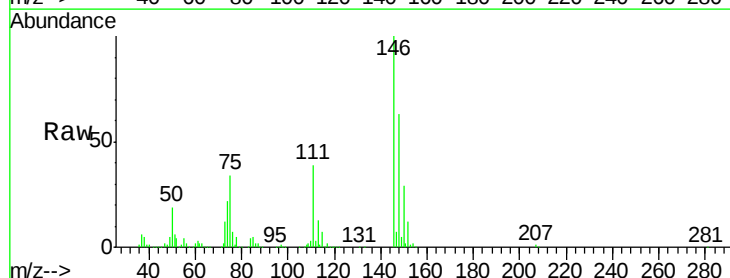
Manual Integrations
 APPROVED

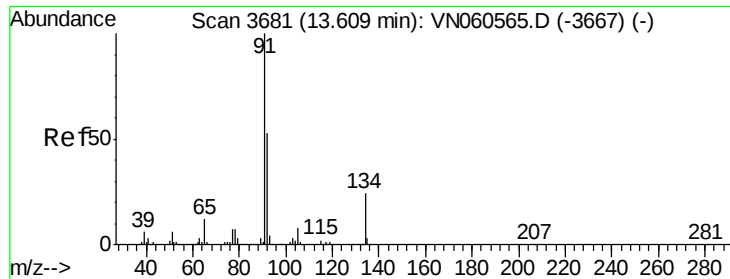
MMDadoda
 3/18/2020 7:00:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.165 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.6	32.1	96.3





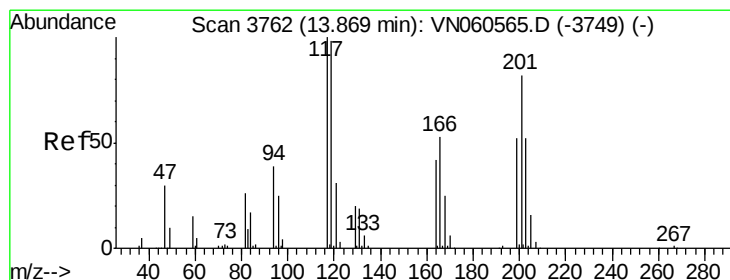
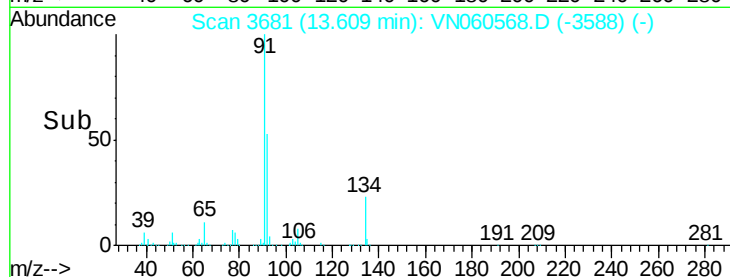
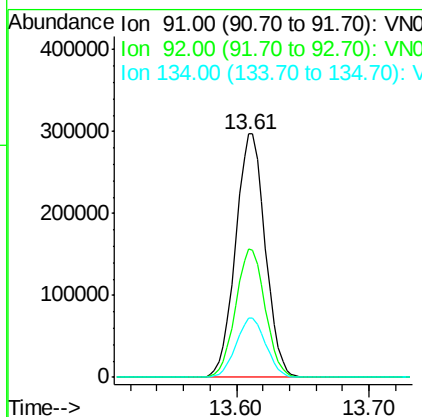
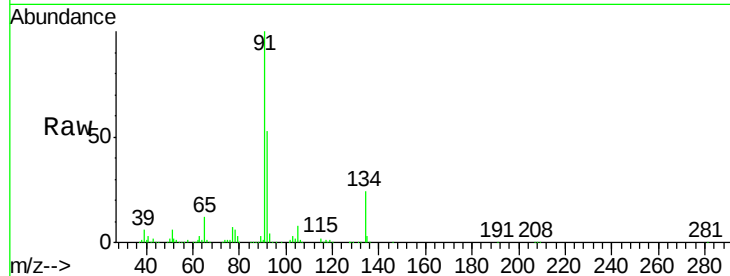
#89
n-Butylbenzene
Concen: 51.671 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031820

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.4	12.3	36.9

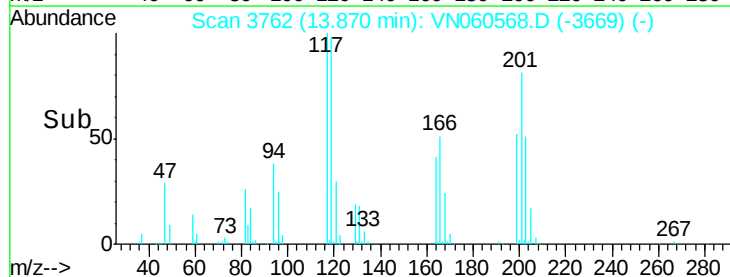
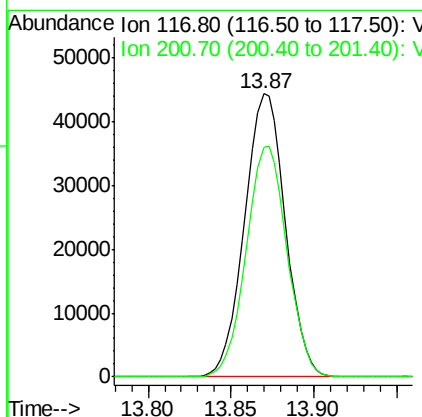
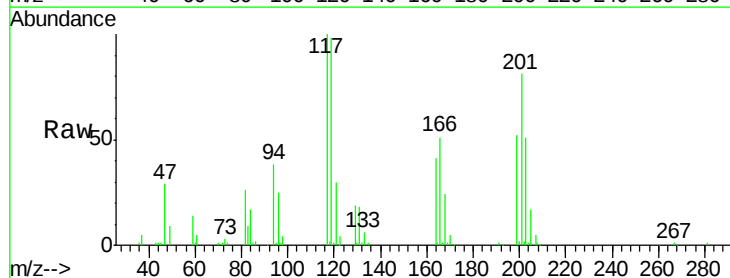
Manual Integrations
APPROVED

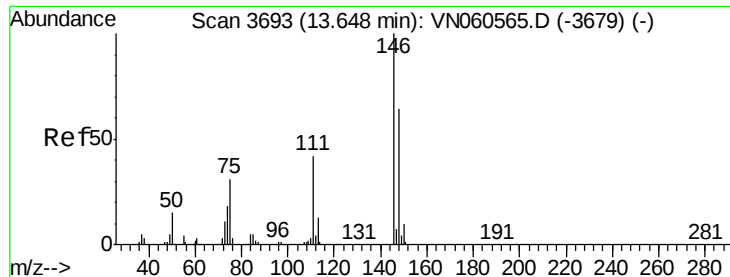
MMDadoda
3/18/2020 7:00:48 PM



#90
Hexachloroethane
Concen: 52.863 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060568.D
Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.8	122.5





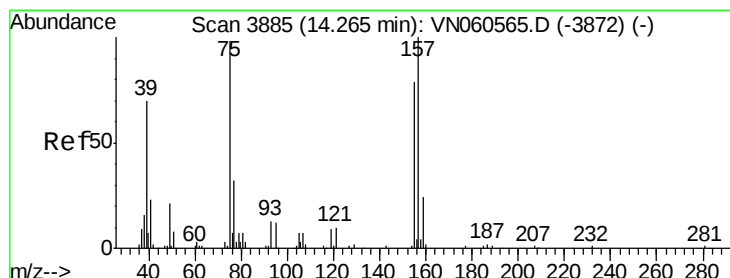
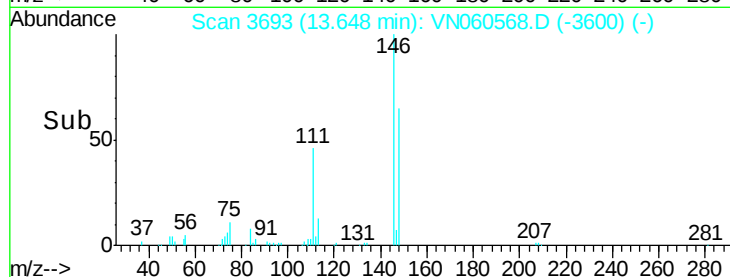
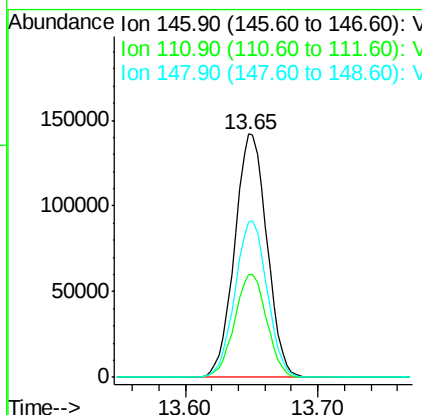
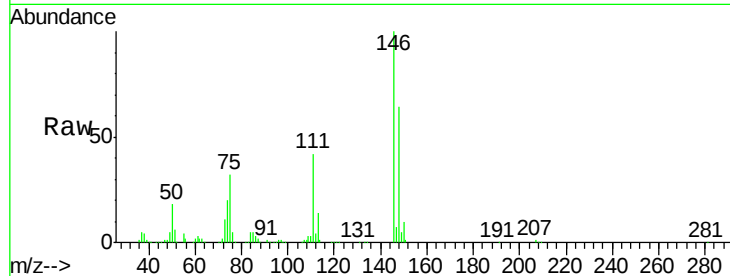
#91
 1,2-Dichlorobenzene
 Concen: 50.966 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Tot Ion	Ratio	Resp	Lower	Upper
146	100	240216		
111	42.0	21.0	63.0	
148	64.1	31.9	95.5	

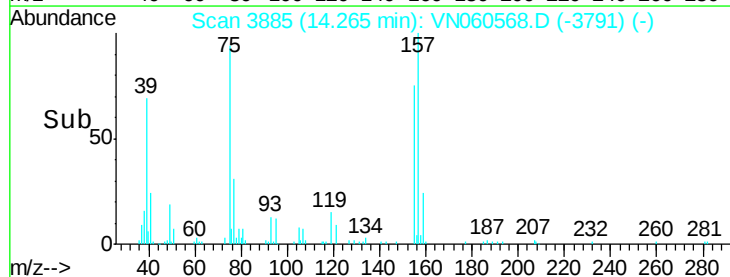
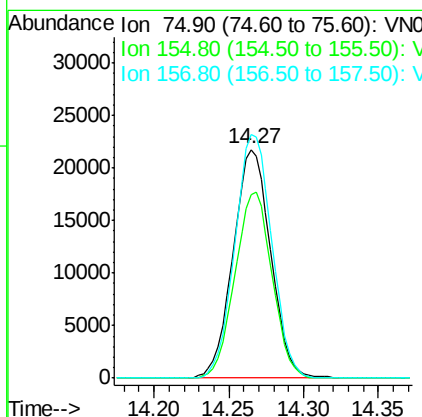
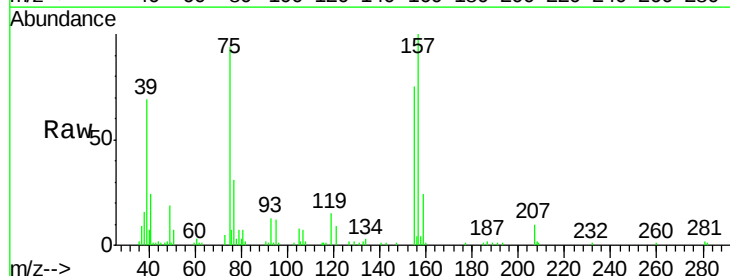
Manual Integrations
 APPROVED

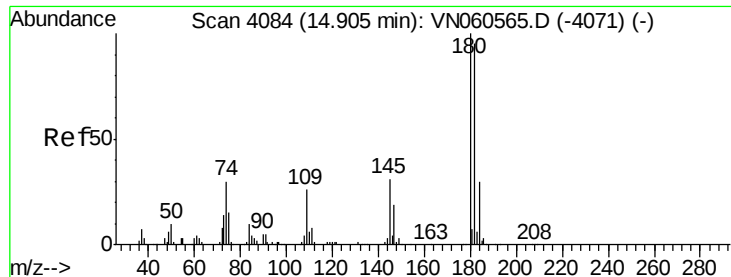
MMDadoda
 3/18/2020 7:00:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.760 ug/l
 RT: 14.27 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060568.D
 Acq: 17 Mar 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38018		
155	80.0	40.7	122.1	
157	104.8	51.5	154.7	





#93

1,2,4-Trichlorobenzene

Concen: 54.682 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

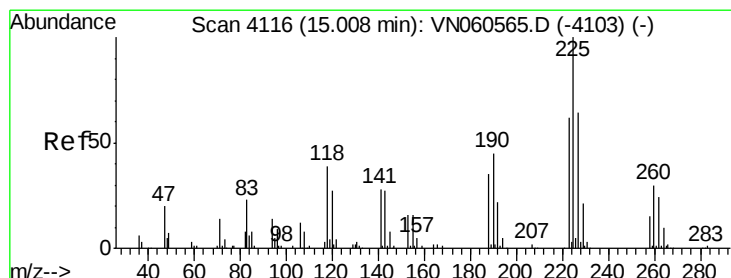
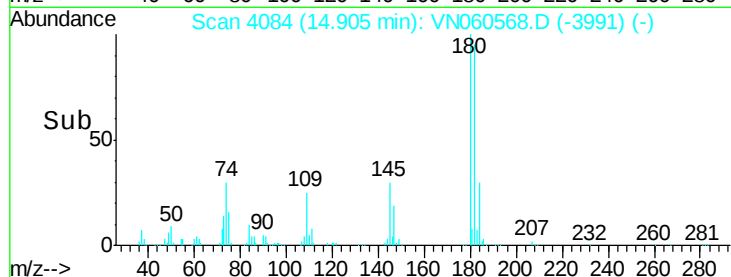
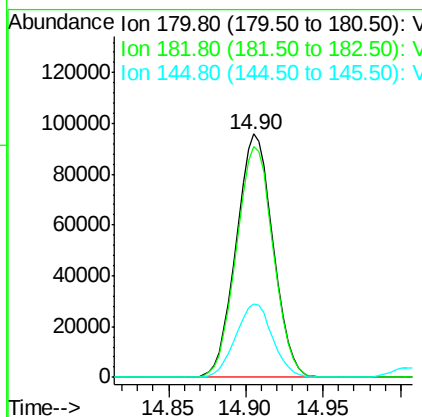
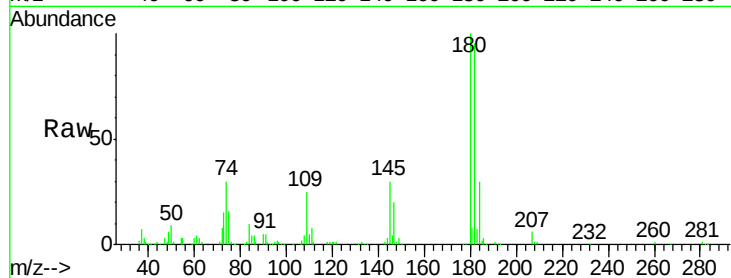
ClientSampleId :

ICVVN031820

Tot Ion:	180	Resp:	158271
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.8
145	30.3	15.4	46.2

Manual Integrations
APPROVED

MMDadoda
3/18/2020 7:00:48 PM



#94

Hexachlorobutadiene

Concen: 53.145 ug/l

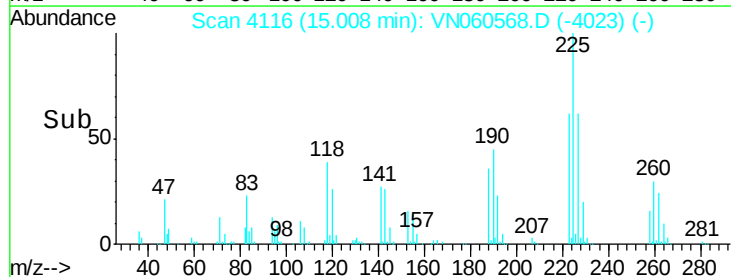
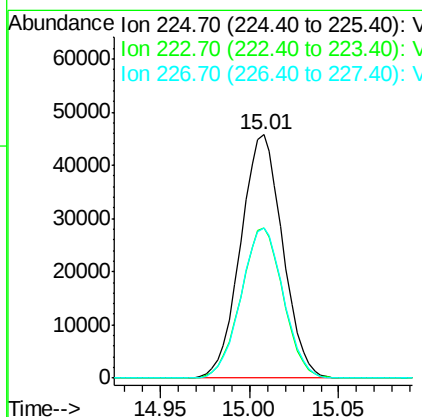
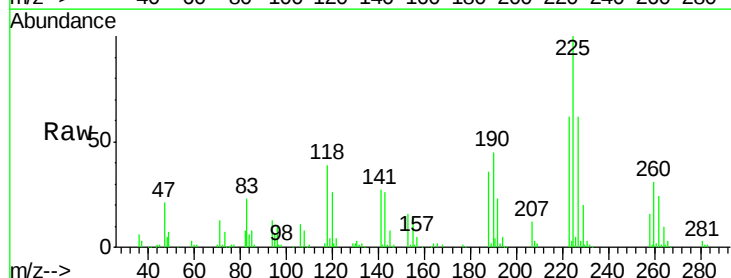
RT: 15.01 min Scan# 4116

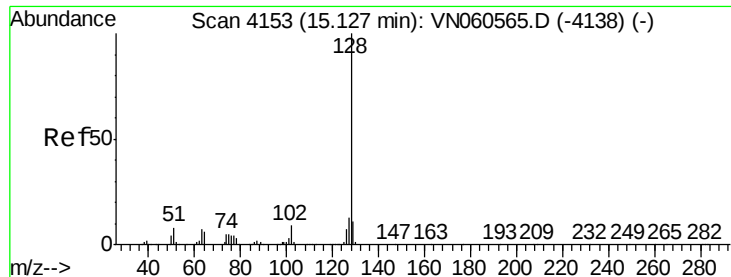
Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	225	Resp:	75407
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.6	95.0
227	62.1	32.3	96.8





#95

Naphthalene

Concen: 56.321 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Instrument :

MSVOA_N

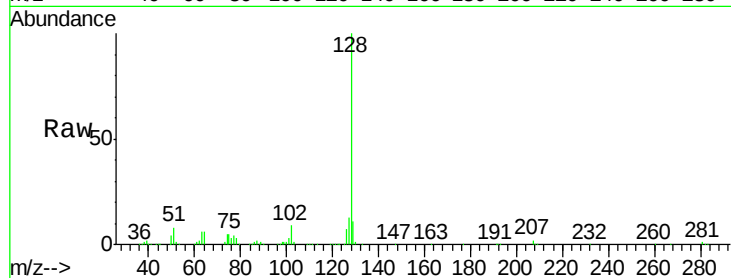
ClientSampleId :

ICVVN031820

Tot Ion:	128	Resp:	490311
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

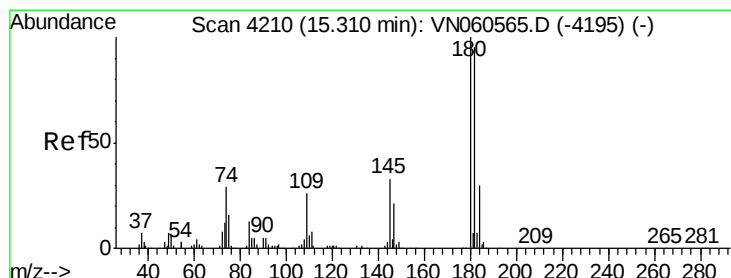
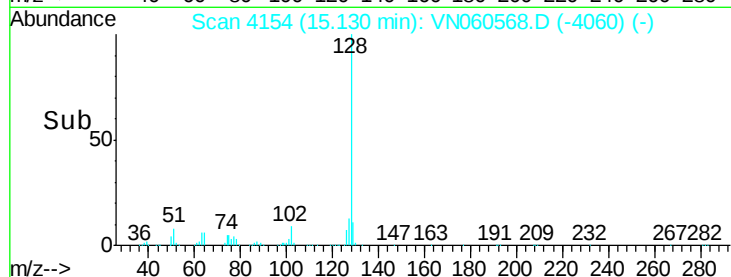
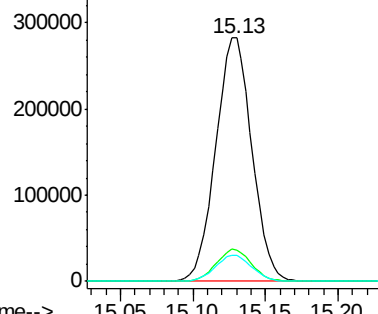
MMDadoda
3/18/2020 7:00:48 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.638 ug/l

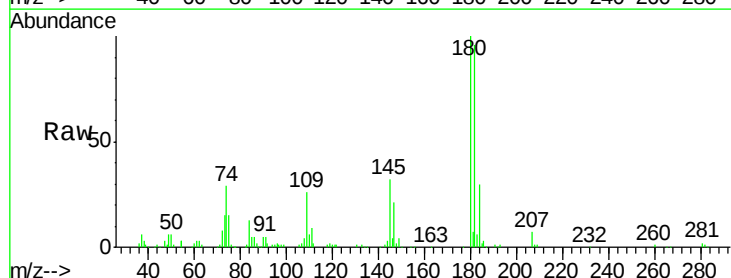
RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060568.D

Acq: 17 Mar 2020 20:21

Tgt Ion:	180	Resp:	152916
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.5	142.6
145	32.5	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

