

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060409.D
 Acq On : 10 Mar 2020 12:22
 Operator : JC/MD
 Sample : VN0310WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM

Quant Time: Mar 11 06:57:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	320053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122855	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	88613	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
50) Toluene-d8	10.08	98	347961	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.40	95	131477	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27144	15.172	ug/l	99
3) Chloromethane	2.04	50	51276	16.461	ug/l	98
4) Vinyl Chloride	2.16	62	42011	15.726	ug/l	97
5) Bromomethane	2.55	94	17142	14.222	ug/l	93
6) Chloroethane	2.69	64	23679	16.360	ug/l	97
7) Trichlorofluoromethane	3.00	101	56035	16.418	ug/l	99
8) Diethyl Ether	3.38	74	23699	18.390	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32088	16.612	ug/l	97
10) Methyl Iodide	3.92	142	26131	14.823	ug/l	99
11) Tert butyl alcohol	4.73	59	37738	101.511	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32962	17.532	ug/l	96
13) Acrolein	3.58	56	30801	88.810	ug/l	99
14) Allyl chloride	4.29	41	62699	18.139	ug/l	98
15) Acrylonitrile	4.94	53	101512	103.595	ug/l	98
16) Acetone	3.78	43	82862	102.487	ug/l	99
17) Carbon Disulfide	4.03	76	78736	15.338	ug/l	99
18) Methyl Acetate	4.29	43	52710	19.536	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	130325	19.147	ug/l	98
20) Methylene Chloride	4.52	84	39521	17.799	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	35606	17.399	ug/l	98
22) Diisopropyl ether	5.91	45	136372	19.477	ug/l	97
23) Vinyl Acetate	5.86	43	543262	97.642	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73150	18.456	ug/l	98
25) 2-Butanone	6.80	43	135382	103.667	ug/l	100
26) 2,2-Dichloropropane	6.79	77	64980	18.009	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44214	17.173	ug/l	97
28) Bromochloromethane	7.17	49	29951	18.405	ug/l	96
29) Tetrahydrofuran	7.18	42	93280	102.718	ug/l	98
30) Chloroform	7.35	83	73399	18.603	ug/l	98
31) Cyclohexane	7.63	56	62622	17.647	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	62590	17.905	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52224	17.121	ug/l	99
37) Ethyl Acetate	6.90	43	57820	20.019	ug/l	99
38) Carbon Tetrachloride	7.75	117	51360	17.294	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060409.D
 Acq On : 10 Mar 2020 12:22
 Operator : JC/MD
 Sample : VN0310WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM

Quant Time: Mar 11 06:57:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57775	16.065	ug/l	96
40) Benzene	8.02	78	160787	18.111	ug/l	99
41) Methacrylonitrile	7.14	41	22967	17.222	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60933	19.020	ug/l	100
43) Isopropyl Acetate	8.14	43	100379	19.852	ug/l	100
44) Trichloroethene	8.82	130	43392	17.549	ug/l	99
45) 1,2-Dichloropropane	9.10	63	45864	19.759	ug/l	100
46) Dibromomethane	9.19	93	28064	18.633	ug/l	99
47) Bromodichloromethane	9.39	83	59012	19.265	ug/l	97
48) Methyl methacrylate	9.18	41	43231	18.749	ug/l	99
49) 1,4-Dioxane	9.18	88	13126	404.810	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	296854	103.547	ug/l	99
52) Toluene	10.14	92	98651	17.689	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68731	18.311	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72257	18.578	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43234	19.278	ug/l	99
56) Ethyl methacrylate	10.42	69	62449	19.382	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70516	19.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156922	93.123	ug/l	99
59) 2-Hexanone	10.74	43	211936	100.687	ug/l	100
60) Dibromochloromethane	10.89	129	43553	19.096	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41083	18.792	ug/l	100
64) Tetrachloroethene	10.62	164	45062	18.634	ug/l	99
65) Chlorobenzene	11.43	112	105526	17.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40477	18.491	ug/l	99
67) Ethyl Benzene	11.50	91	194512	18.042	ug/l	100
68) m/p-Xylenes	11.62	106	142254	34.972	ug/l	98
69) o-Xylene	11.94	106	69691	17.967	ug/l	99
70) Styrene	11.96	104	111562	17.494	ug/l	99
71) Bromoform	12.12	173	29738	18.850	ug/l #	99
73) Isopropylbenzene	12.25	105	188526	18.116	ug/l	100
74) N-amyl acetate	12.06	43	85396	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57005	20.152	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	50717m	16.464	ug/l	
77) Bromobenzene	12.52	156	45875	17.984	ug/l	98
78) n-propylbenzene	12.59	91	217987	17.870	ug/l	99
79) 2-Chlorotoluene	12.67	91	129501	18.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157070	17.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20646	18.501	ug/l #	84
82) 4-Chlorotoluene	12.77	91	134522	17.806	ug/l	98
83) tert-Butylbenzene	12.99	119	132572	17.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	157347	17.792	ug/l	100
85) sec-Butylbenzene	13.17	105	179617	17.681	ug/l	99
86) p-Isopropyltoluene	13.28	119	161186	17.143	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81621	18.501	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	81566	18.498	ug/l	99
89) n-Butylbenzene	13.61	91	144128	16.699	ug/l	100
90) Hexachloroethane	13.87	117	22560	16.577	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	81306	18.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12038	18.792	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
Data File : VN060409.D
Acq On : 10 Mar 2020 12:22
Operator : JC/MD
Sample : VN0310WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM

Quant Time: Mar 11 06:57:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48955	17.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	24441	18.358	ug/l	99
95) Naphthalene	15.13	128	147243	17.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48446	17.995	ug/l	99

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

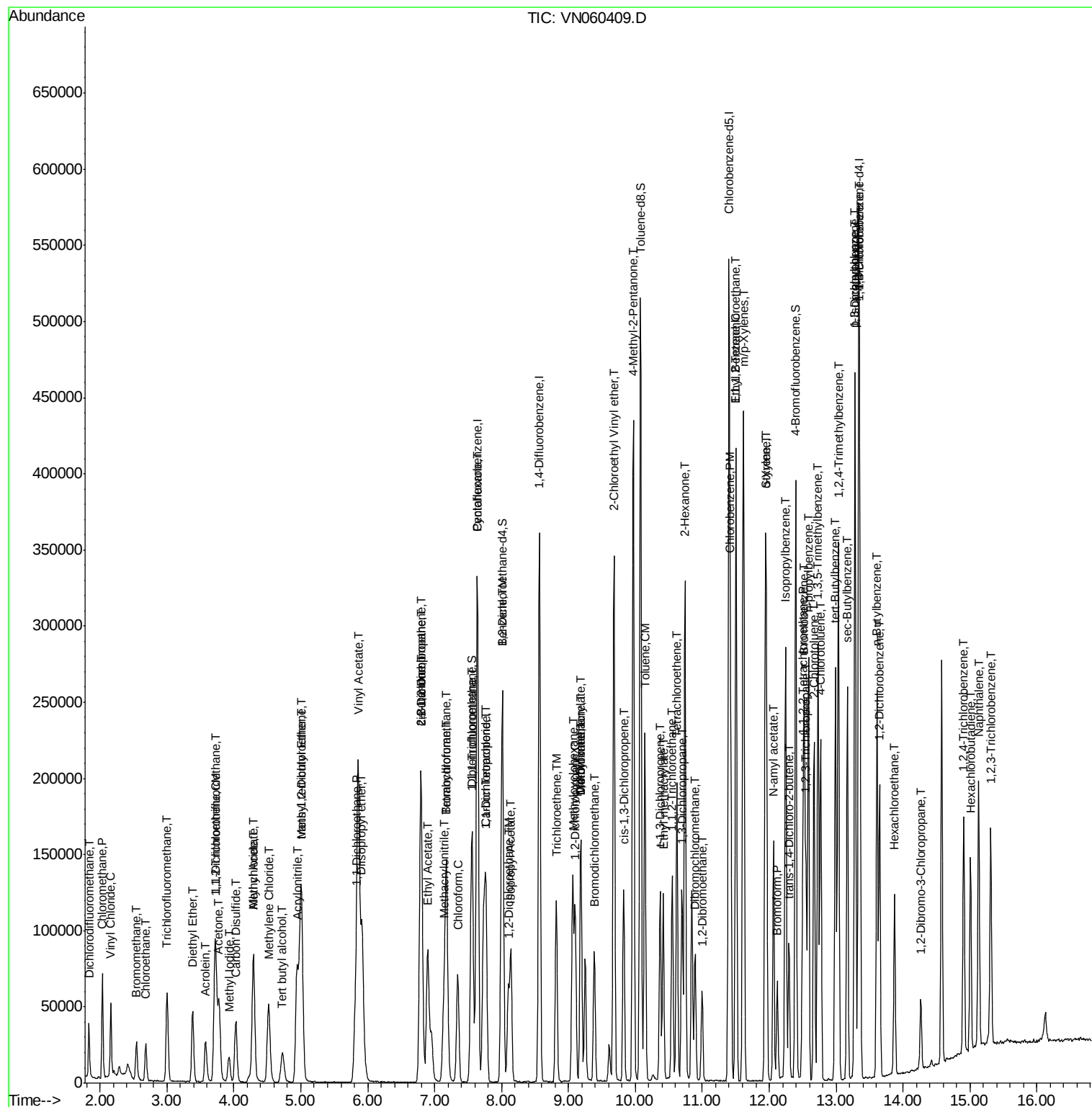
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060409.D
 Acq On : 10 Mar 2020 12:22
 Operator : JC/MD
 Sample : VN0310WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0310WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM

Quant Time: Mar 11 06:57:40 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion:168 Resp: 195139

Ion Ratio Lower Upper

168 100

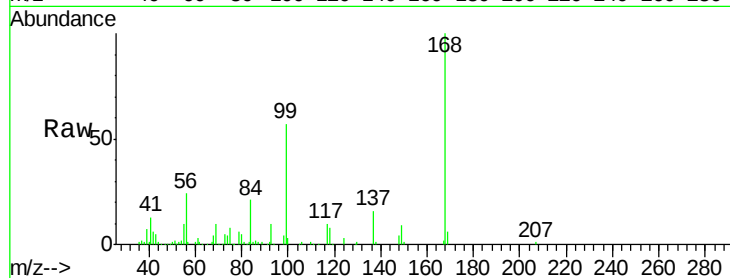
99 56.5 44.7 67.1

Manual Integrations

APPROVED

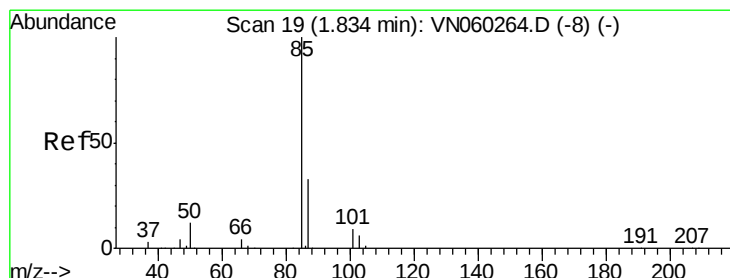
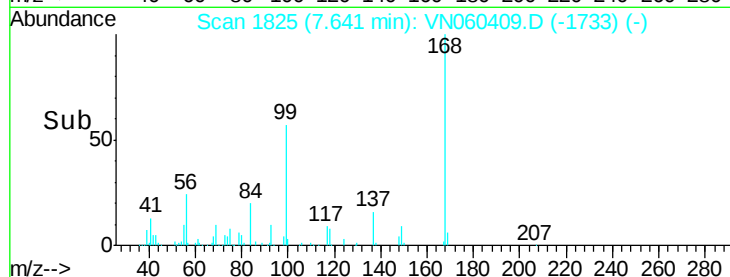
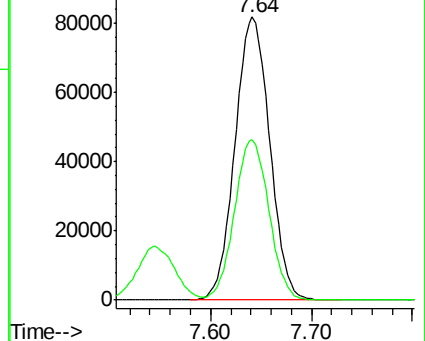
MMDadoda

3/11/2020 3:23:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.172 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060409.D

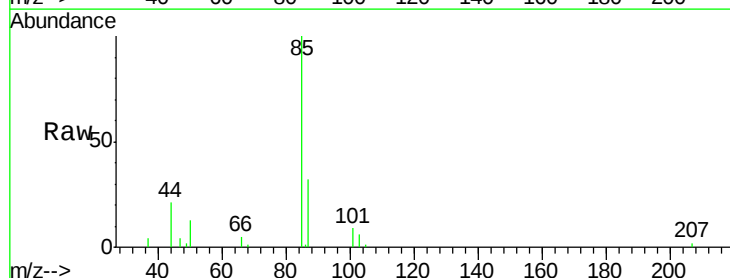
Acq: 10 Mar 2020 12:22

Tgt Ion: 85 Resp: 27144

Ion Ratio Lower Upper

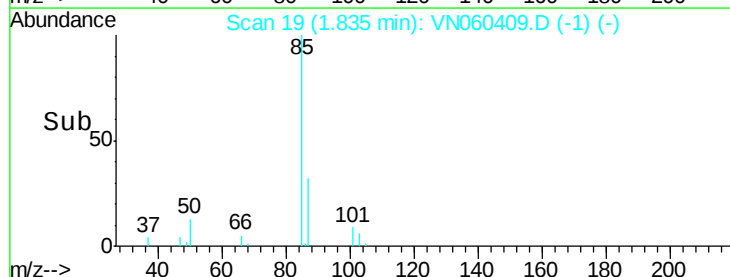
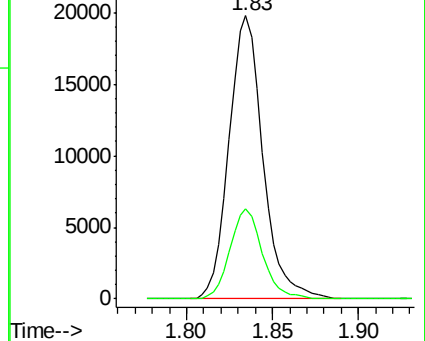
85 100

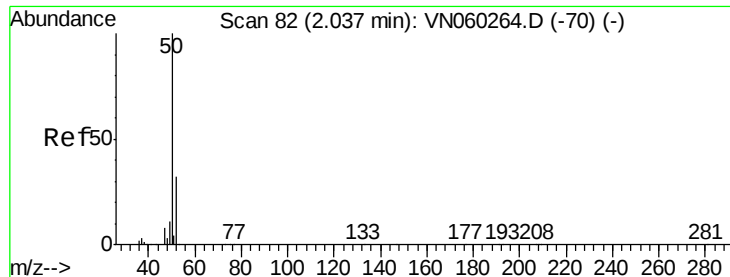
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.461 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 50 Resp: 51276

Ion Ratio Lower Upper

50 100

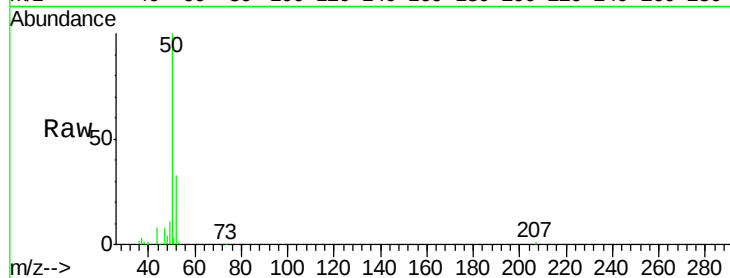
52 33.1 25.6 38.4

Manual Integrations

APPROVED

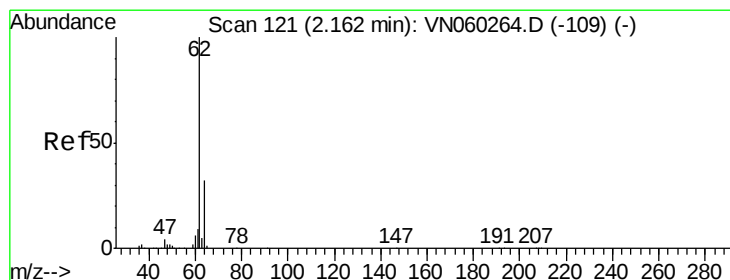
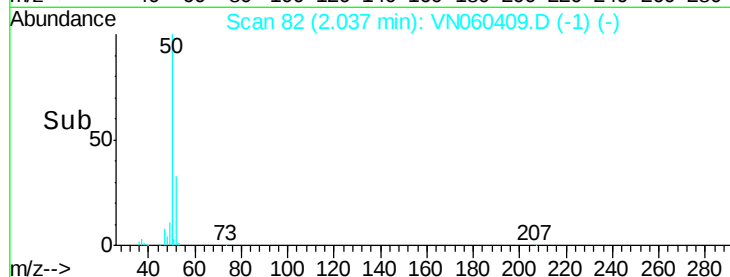
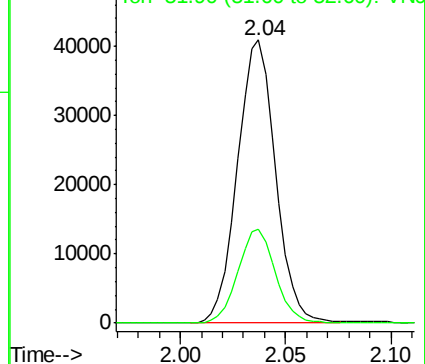
MMDadoda

3/11/2020 3:23:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.726 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060409.D

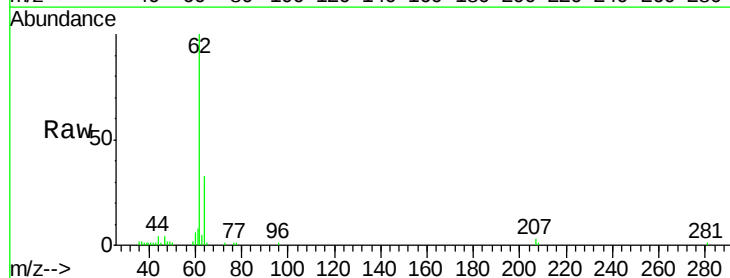
Acq: 10 Mar 2020 12:22

Tgt Ion: 62 Resp: 42011

Ion Ratio Lower Upper

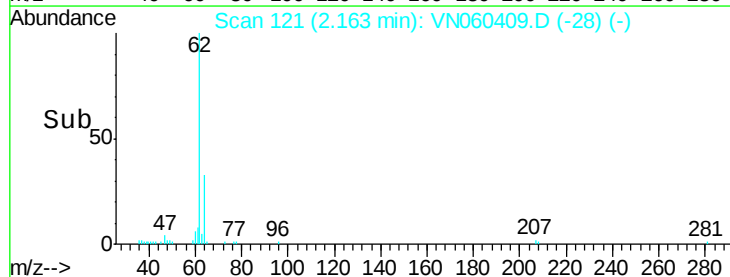
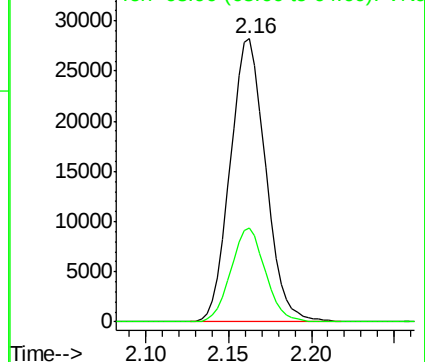
62 100

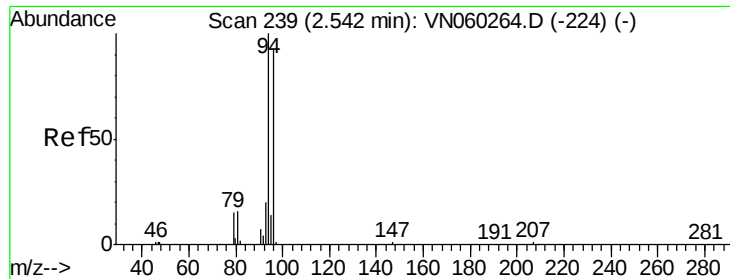
64 33.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.222 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 94 Resp: 17142

Ion Ratio Lower Upper

94 100

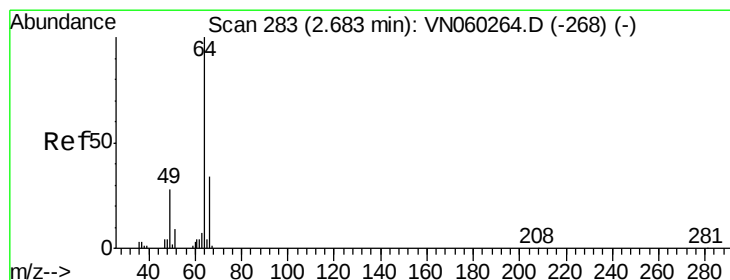
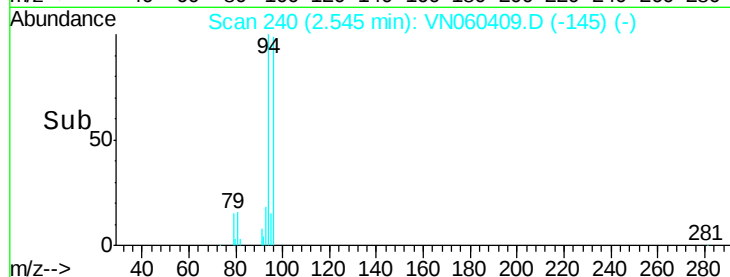
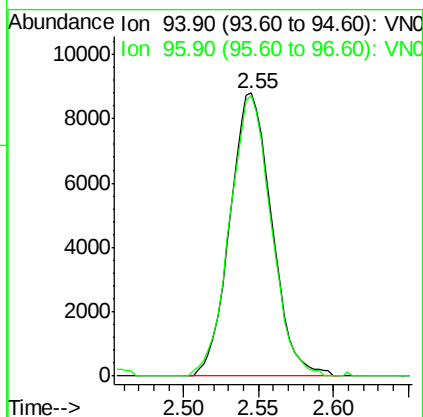
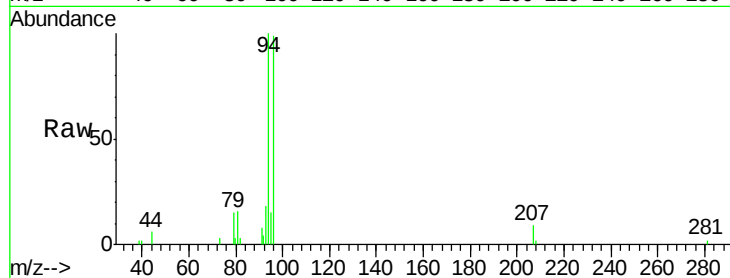
96 99.3 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:11 PM



#6

Chloroethane

Concen: 16.360 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060409.D

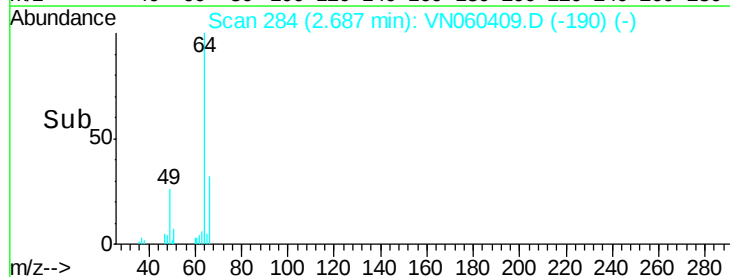
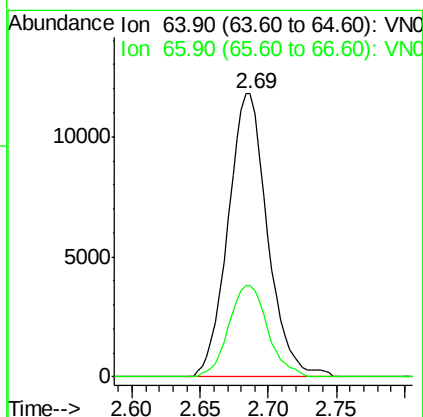
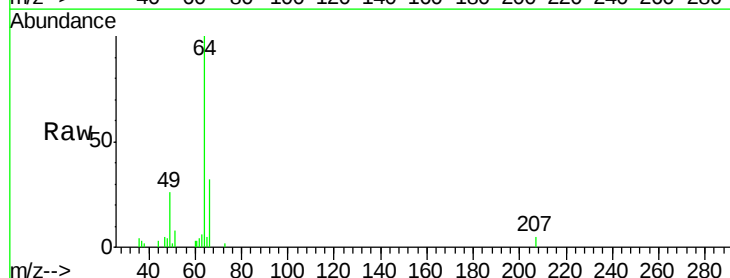
Acq: 10 Mar 2020 12:22

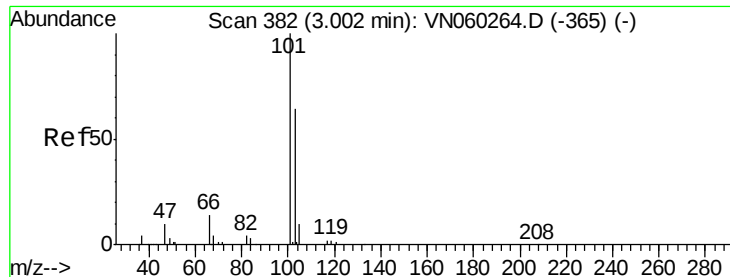
Tgt Ion: 64 Resp: 23679

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2





#7

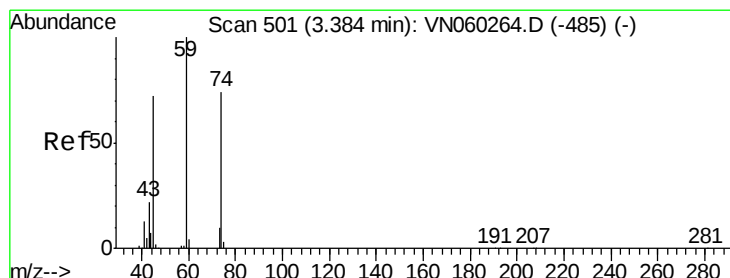
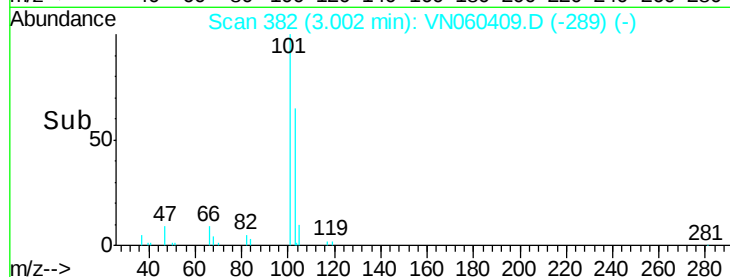
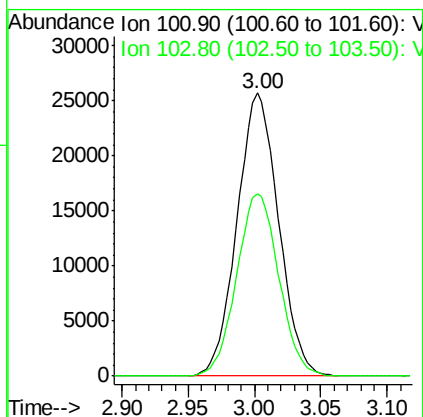
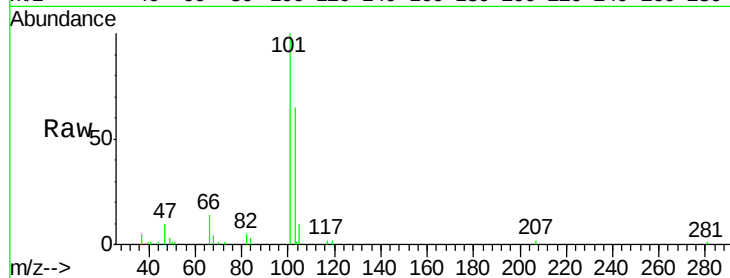
Trichlorofluoromethane
Concen: 16.418 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.3	76.9

Manual Integrations
APPROVED

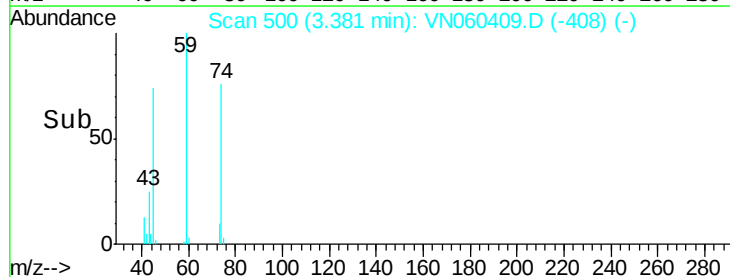
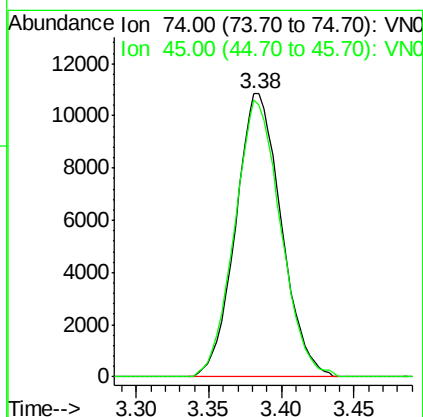
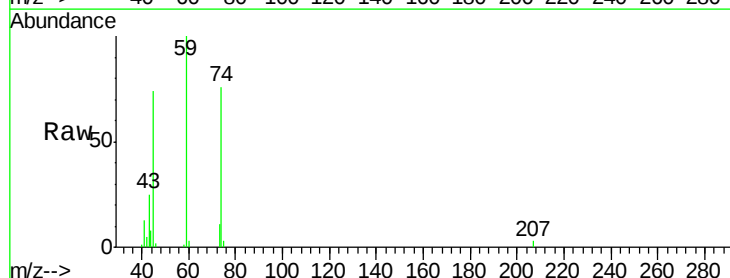
MMDadoda
3/11/2020 3:23:11 PM



#8

Diethyl Ether
Concen: 18.390 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.612 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

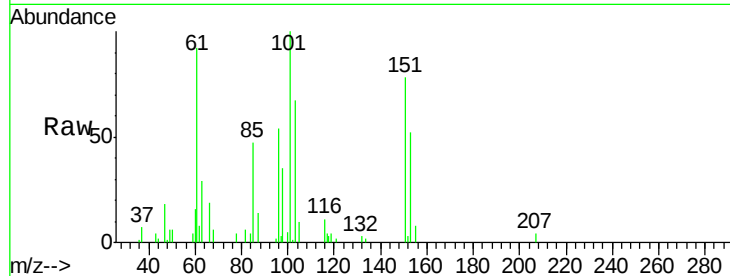
ClientSampleId :

VN0310WBSD01

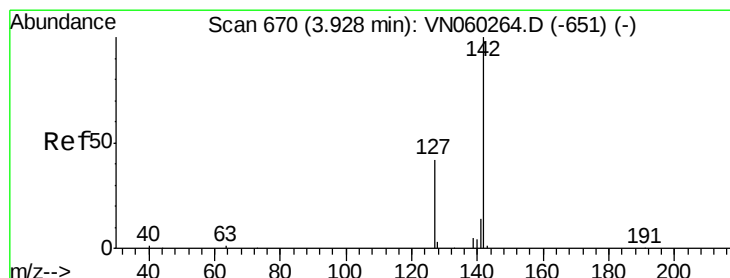
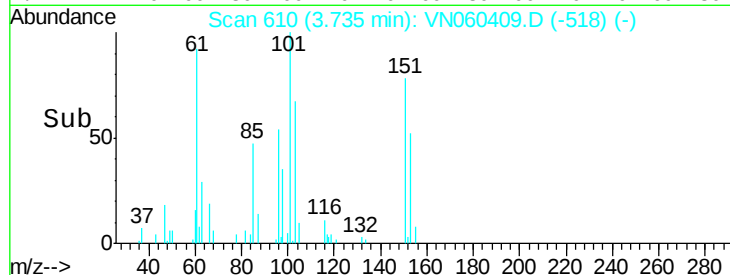
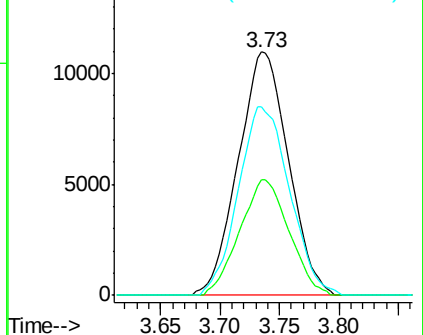
Tot Ion:	101	Resp:	32088
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.4	53.2
151	79.3	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 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: 14.823 ug/l

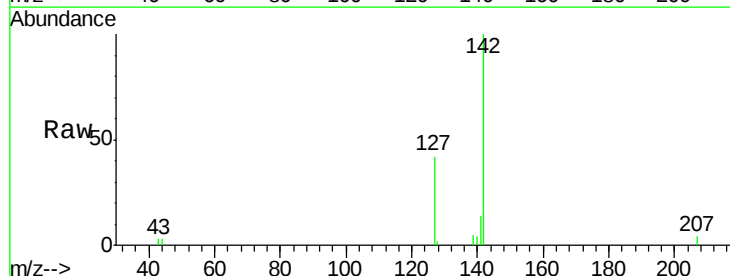
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

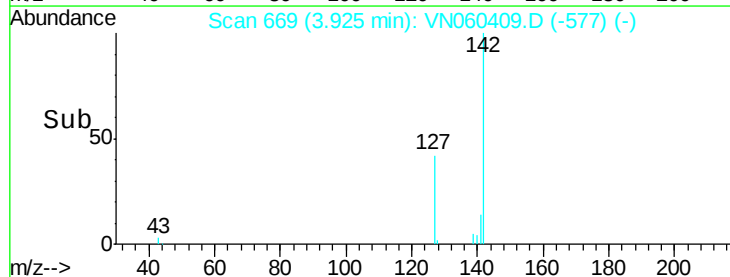
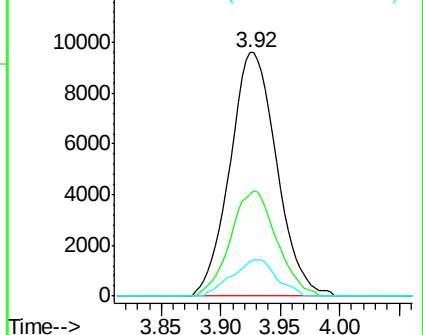
Lab File: VN060409.D

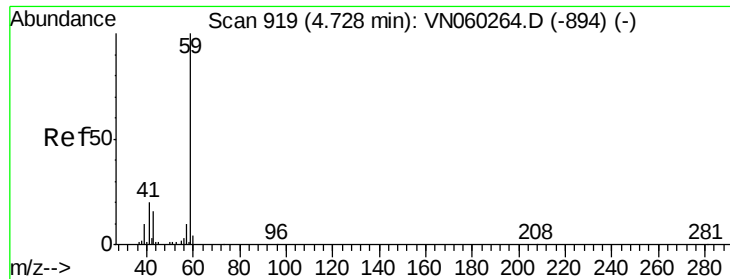
Acq: 10 Mar 2020 12:22

Tgt Ion:	142	Resp:	26131
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.6
141	14.3	11.1	16.7



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





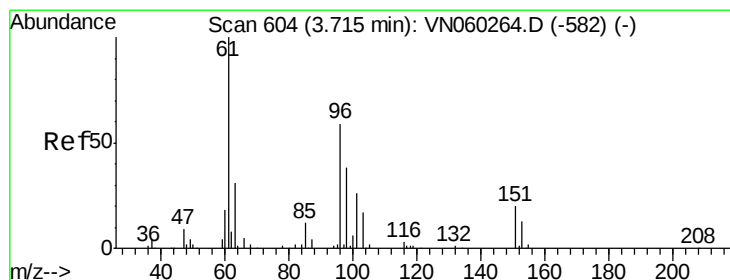
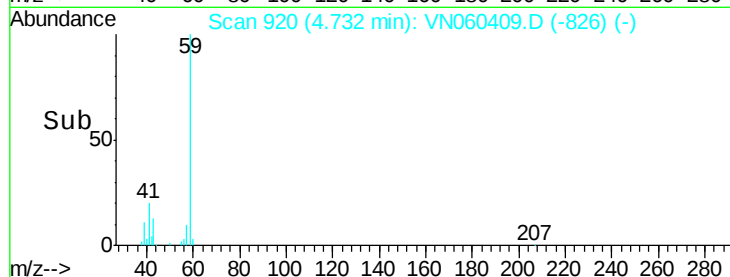
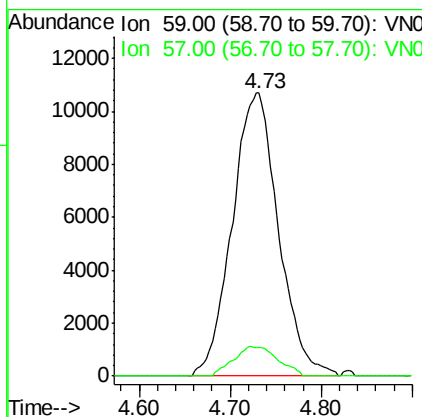
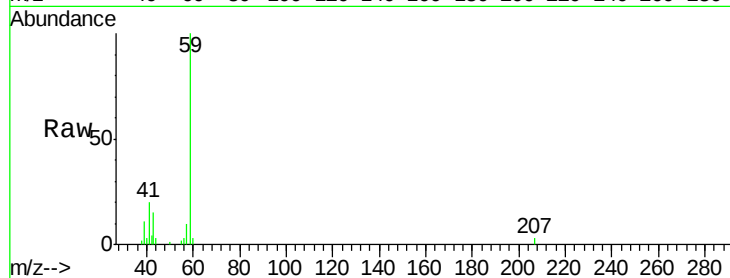
#11
Tert butyl alcohol
Concen: 101.511 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

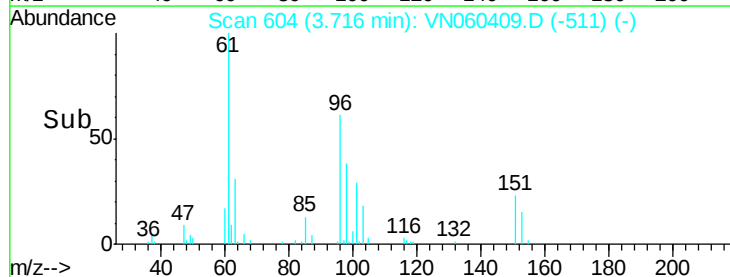
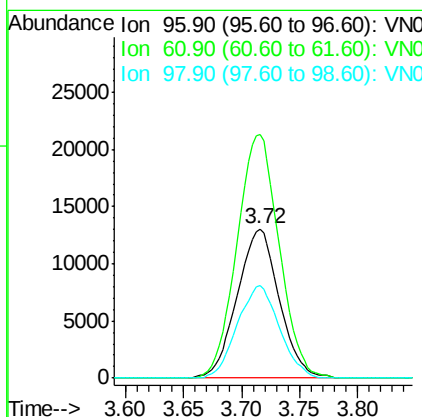
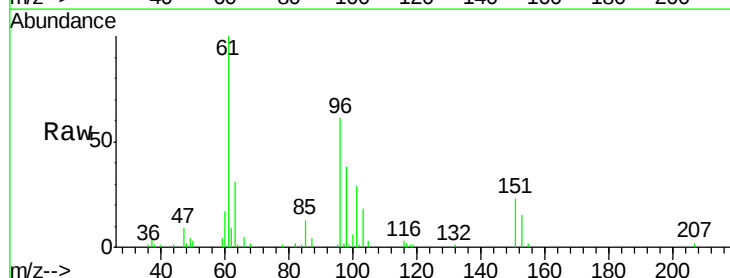
Manual Integrations
APPROVED

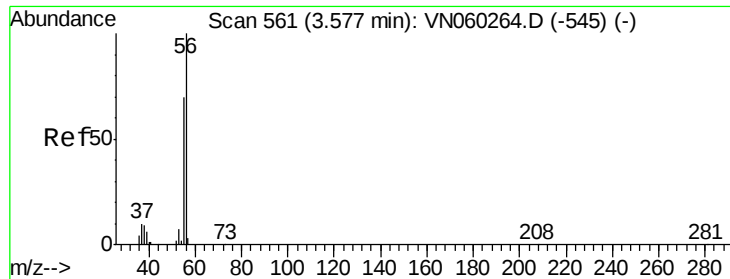
MMDadoda
3/11/2020 3:23:11 PM



#12
1,1-Dichloroethene
Concen: 17.532 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	135.4	203.0
98	61.9	51.6	77.4





#13

Acrolein

Concen: 88.810 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 56 Resp: 30801

Ion Ratio Lower Upper

56 100

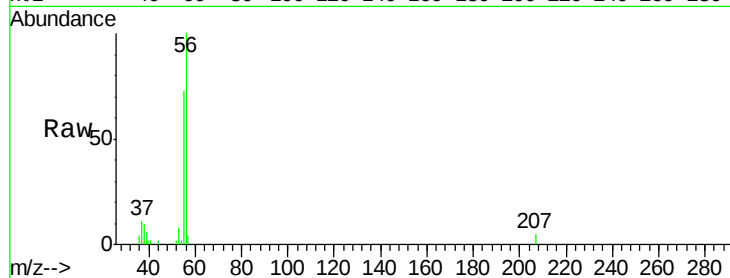
55 72.9 57.4 86.0

Manual Integrations

APPROVED

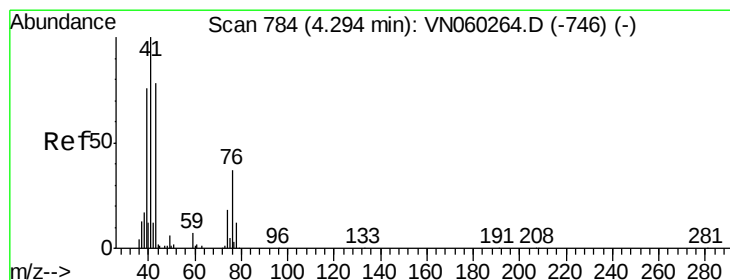
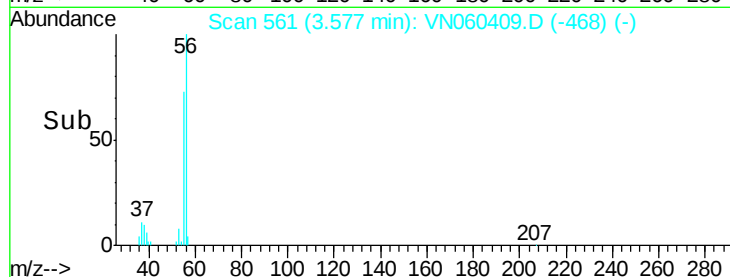
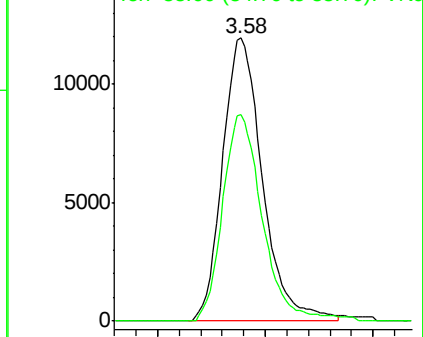
MMDadoda

3/11/2020 3:23:11 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.139 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

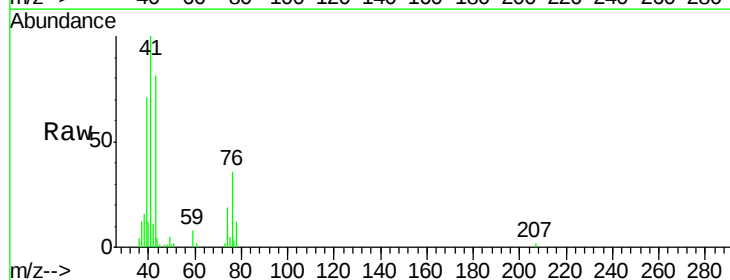
Tgt Ion: 41 Resp: 62699

Ion Ratio Lower Upper

41 100

39 68.2 55.4 83.2

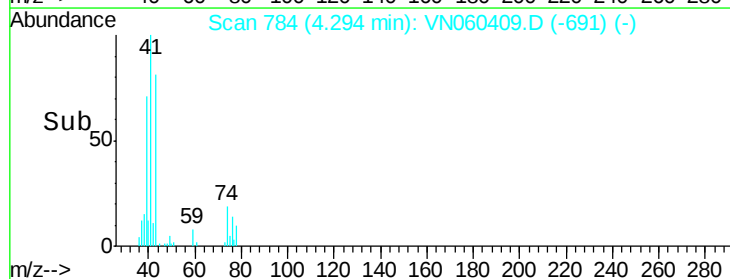
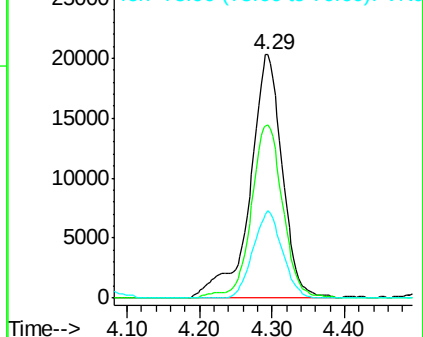
76 32.4 27.0 40.6

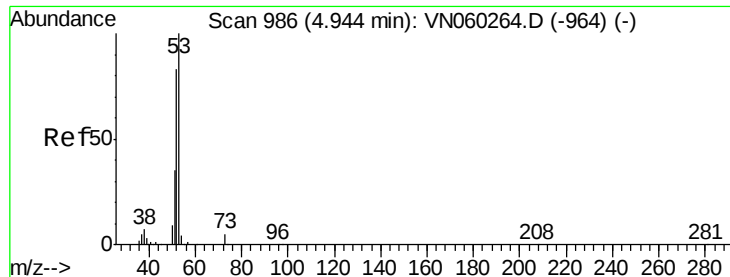


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.595 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

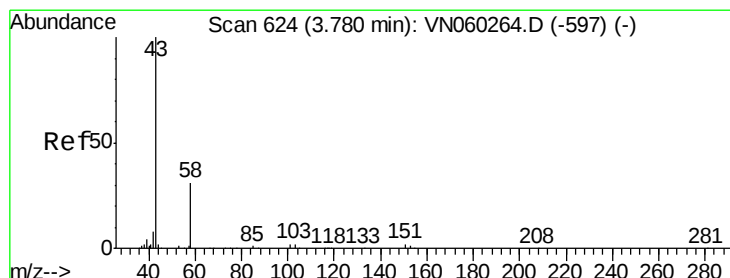
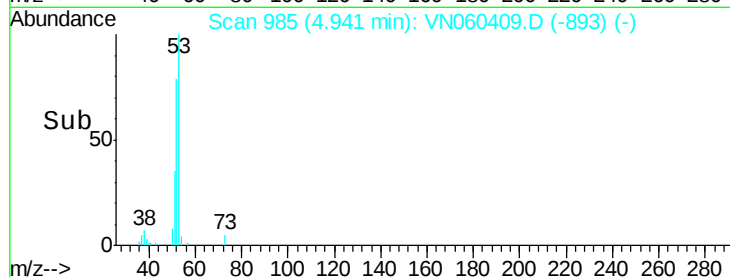
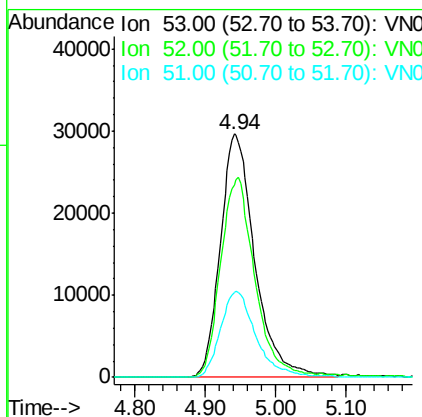
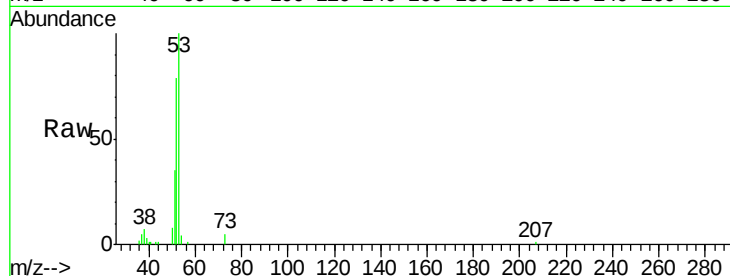
ClientSampleId :

VN0310WBSD01

Tot Ion:	53	Resp:	101512
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.8	100.2
51	36.0	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#16

Acetone

Concen: 102.487 ug/l

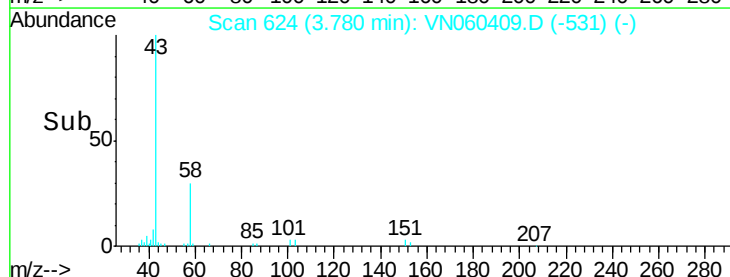
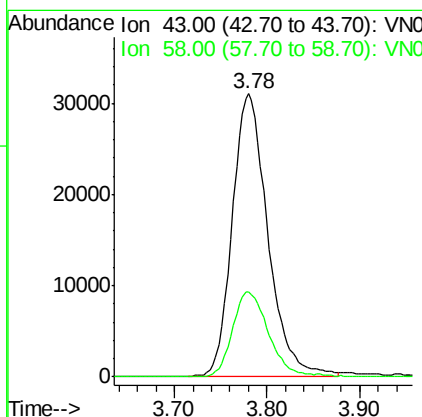
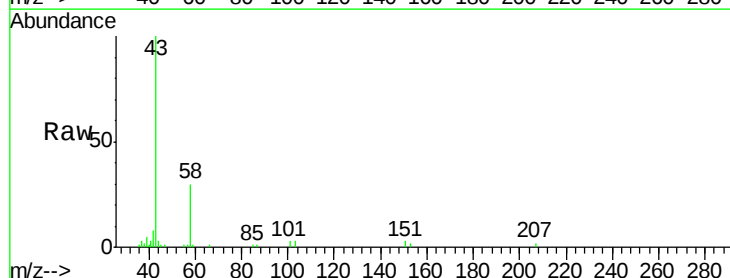
RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	43	Resp:	82862
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.6	36.8





#17

Carbon Disulfide

Concen: 15.338 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 76 Resp: 78736

Ion Ratio Lower Upper

76 100

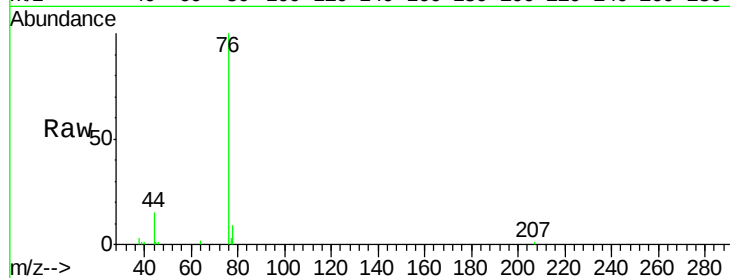
78 8.7 7.4 11.0

Manual Integrations

APPROVED

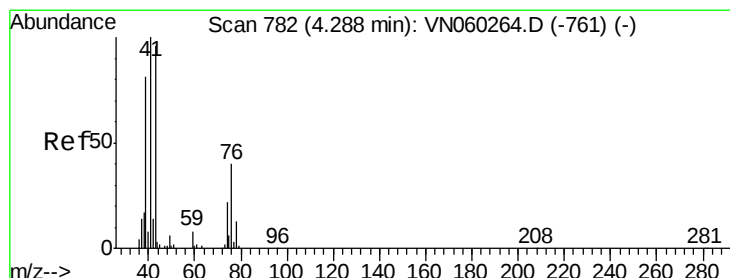
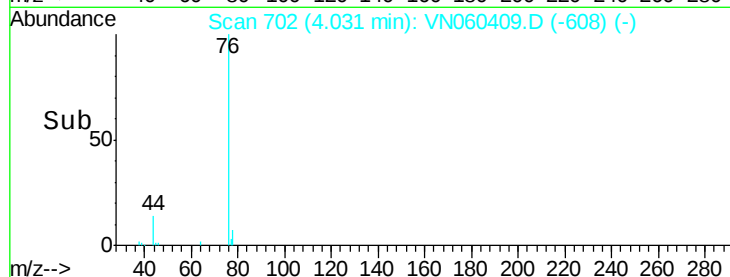
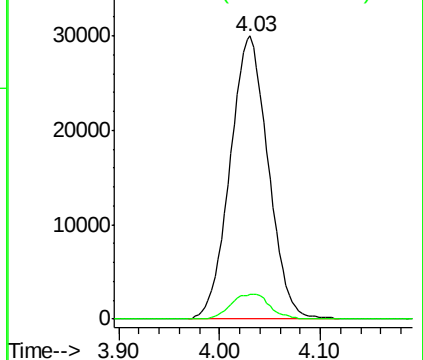
MMDadoda

3/11/2020 3:23:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 19.536 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060409.D

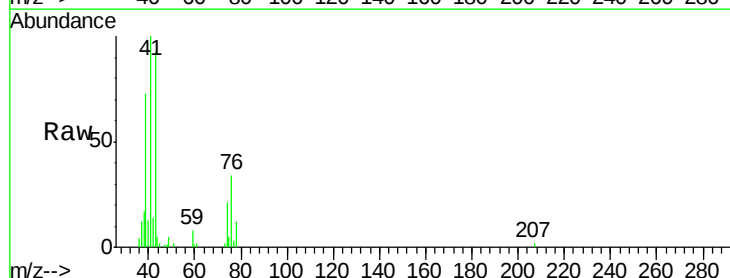
Acq: 10 Mar 2020 12:22

Tgt Ion: 43 Resp: 52710

Ion Ratio Lower Upper

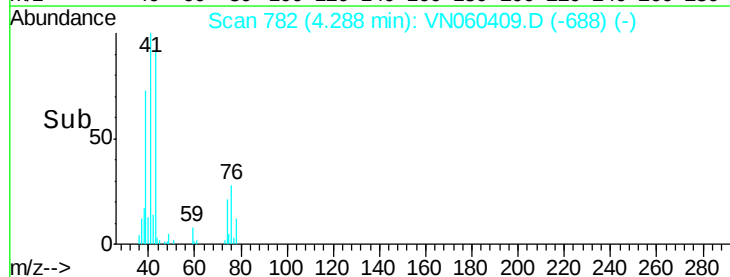
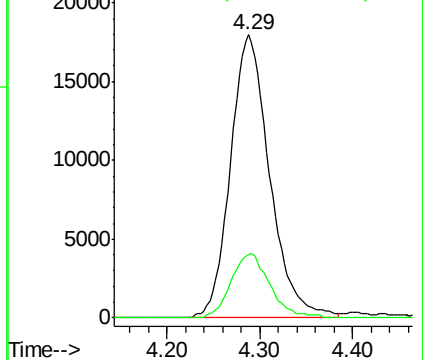
43 100

74 22.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

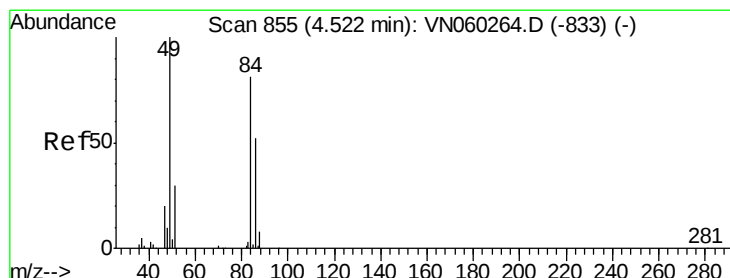
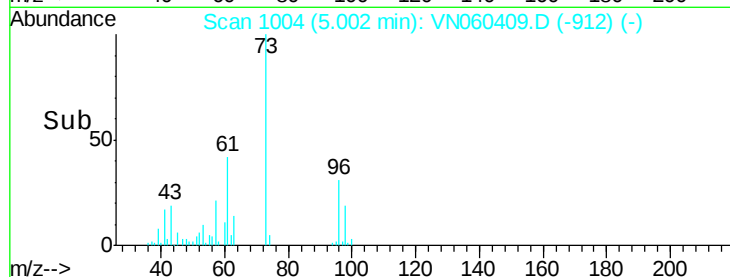
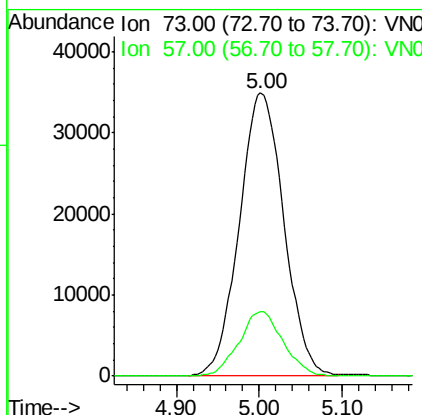
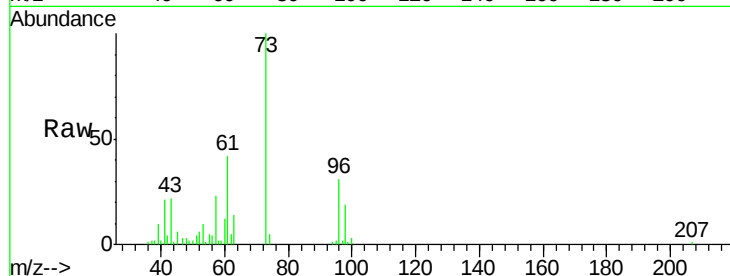
Methyl tert-butyl Ether
 Concen: 19.147 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.3	25.9

Manual Integrations
 APPROVED

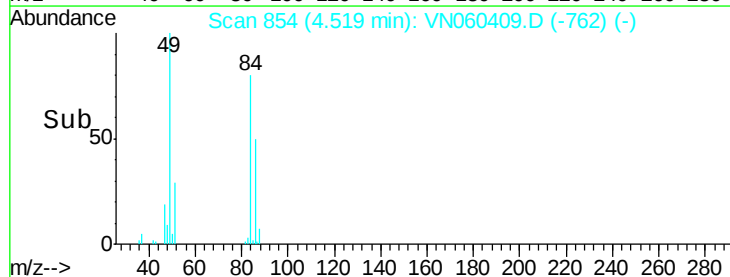
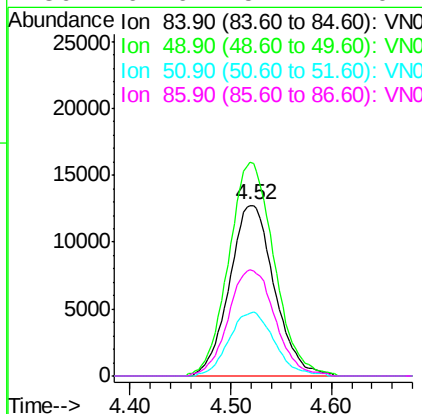
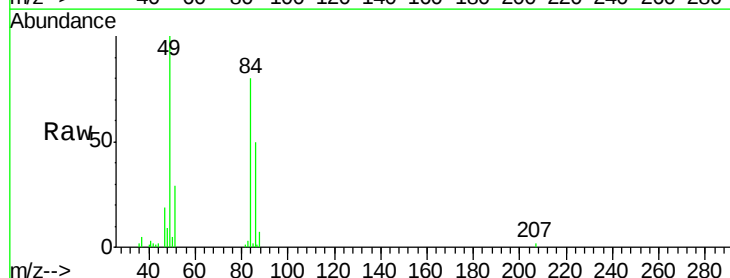
MMDadoda
 3/11/2020 3:23:11 PM



#20

Methylene Chloride
 Concen: 17.799 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.3	148.9
51	36.9	30.1	45.1
86	62.6	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.399 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

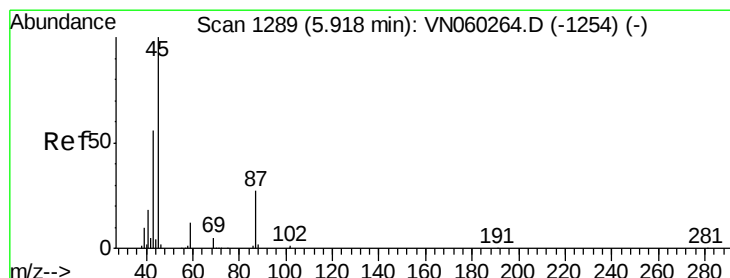
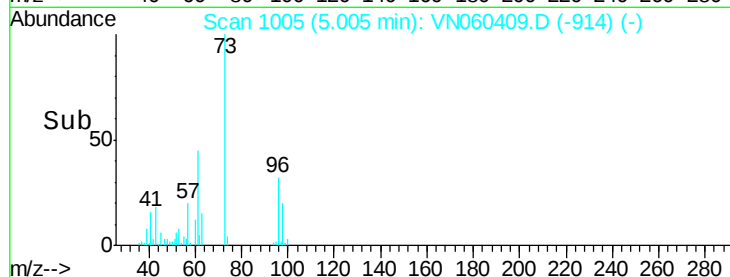
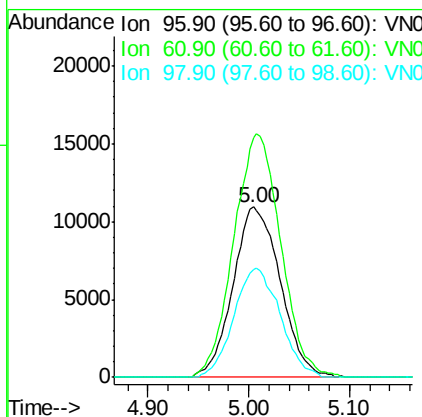
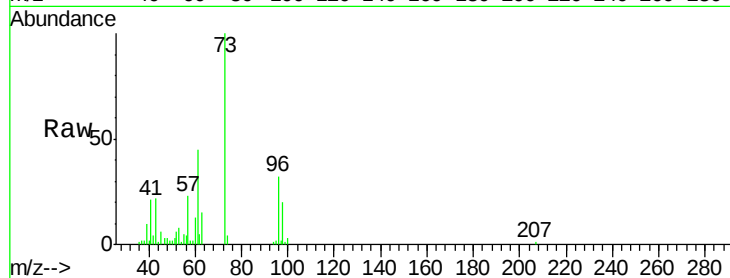
ClientSampleId :

VN0310WBSD01

Tot Ion:	96	Resp:	35606
Ion	Ratio	Lower	Upper
96	100		
61	141.1	113.8	170.8
98	63.3	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#22

Diisopropyl ether

Concen: 19.477 ug/l

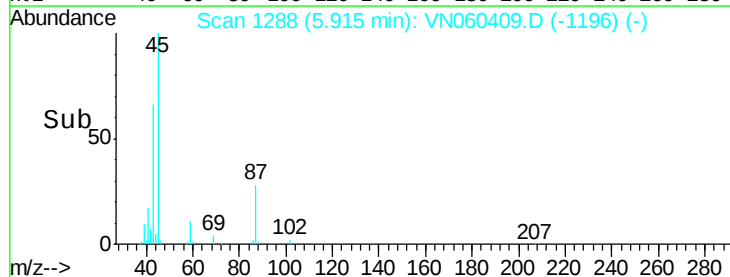
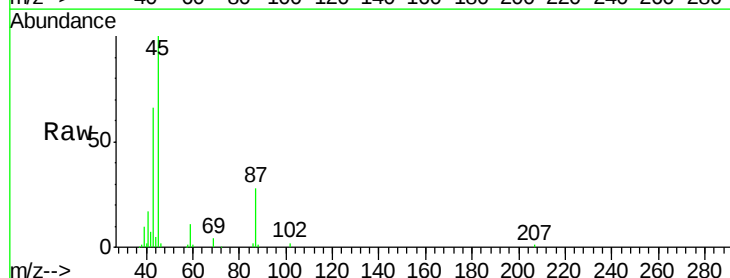
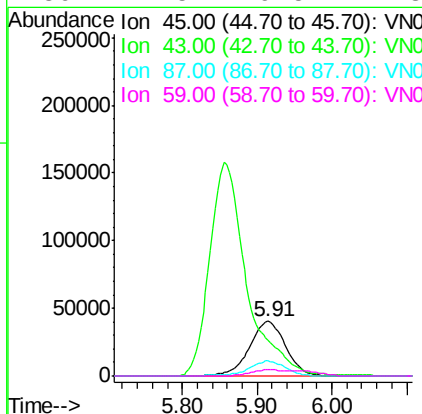
RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	45	Resp:	136372
Ion	Ratio	Lower	Upper
45	100		
43	63.9	48.6	72.8
87	27.9	22.2	33.2
59	11.5	9.5	14.3





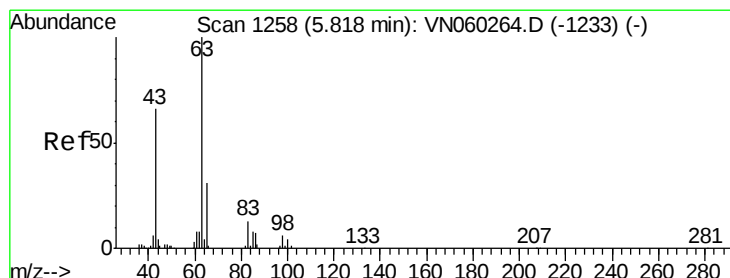
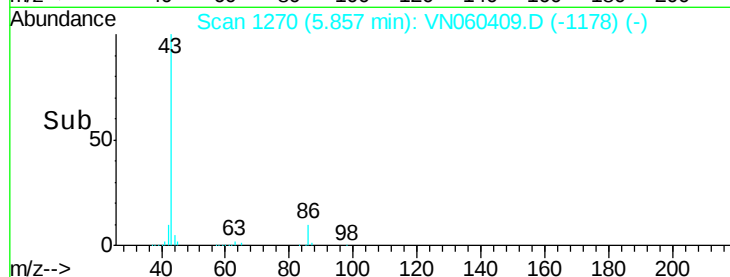
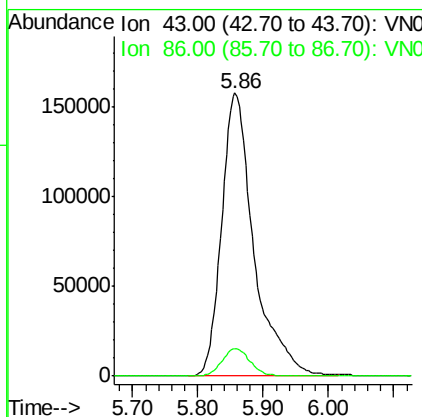
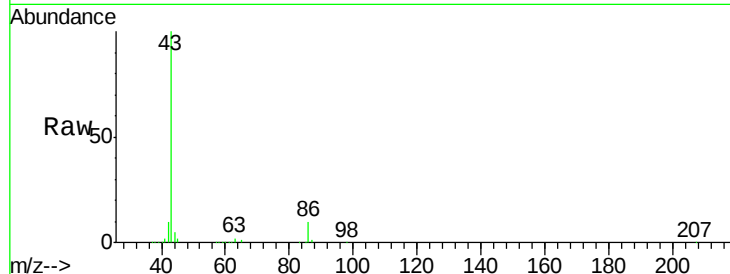
#23
 Vinyl Acetate
 Concen: 97.642 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

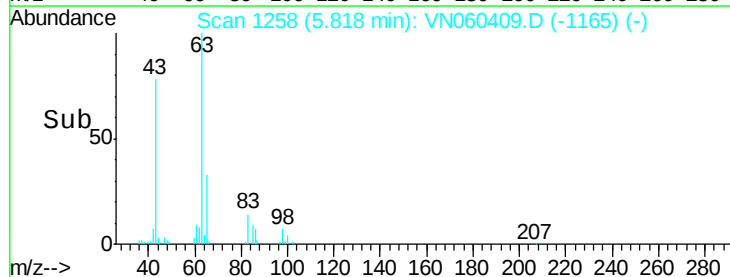
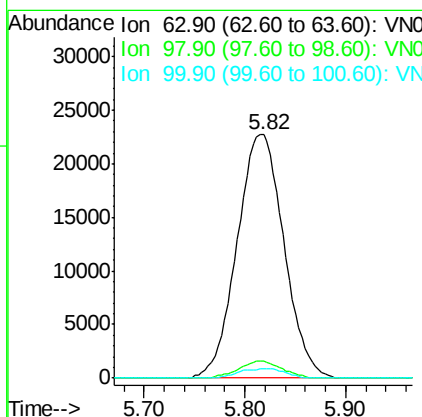
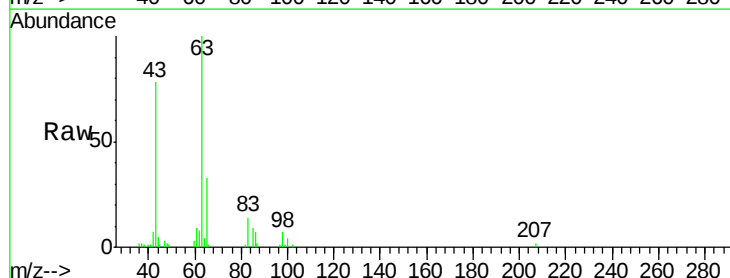
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#24
 1,1-Dichloroethane
 Concen: 18.456 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.0
100	3.8	2.0	6.0





#25

2-Butanone

Concen: 103.667 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 43 Resp: 135382

Ion Ratio Lower Upper

43 100

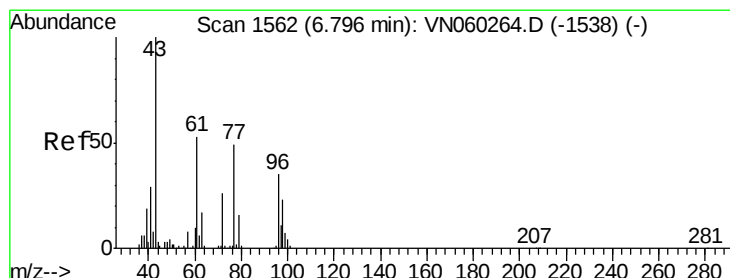
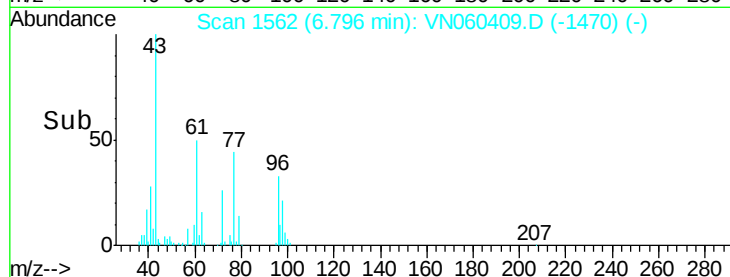
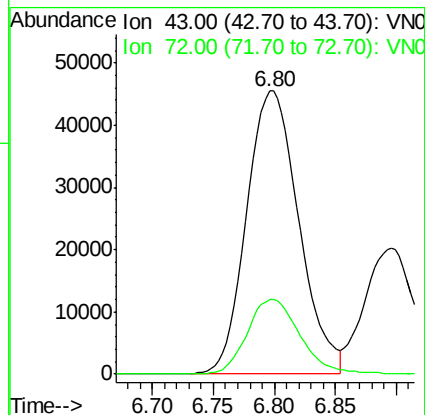
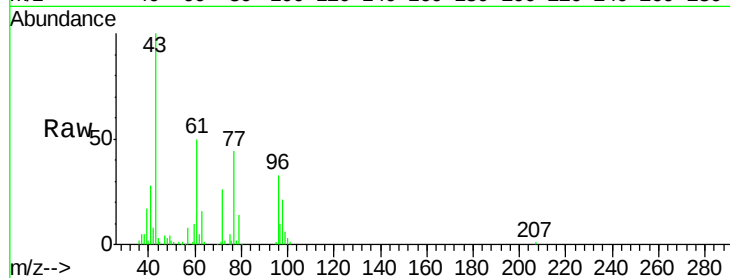
72 26.2 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:11 PM



#26

2,2-Dichloropropane

Concen: 18.009 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060409.D

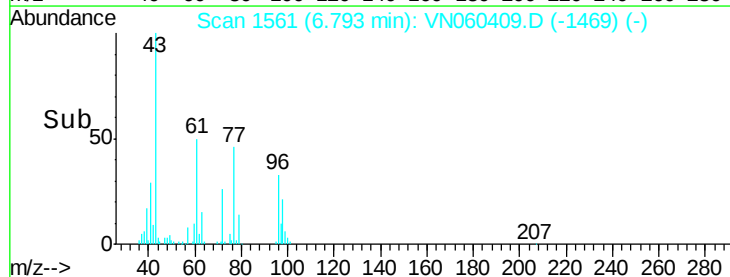
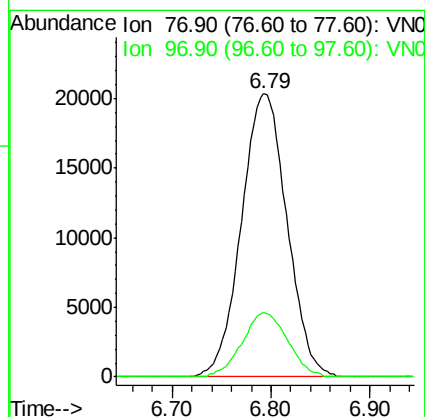
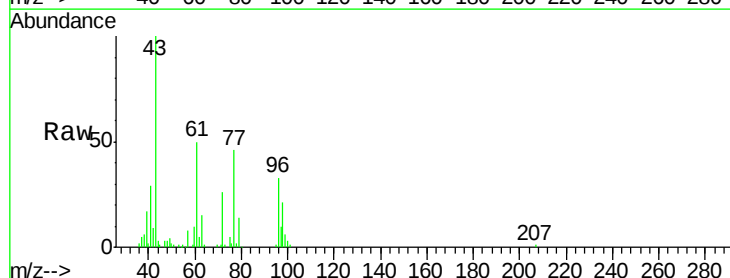
Acq: 10 Mar 2020 12:22

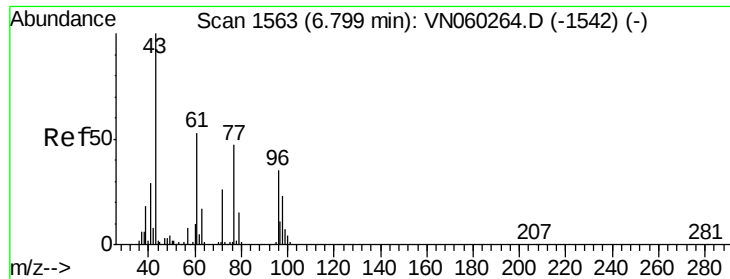
Tgt Ion: 77 Resp: 64980

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.173 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

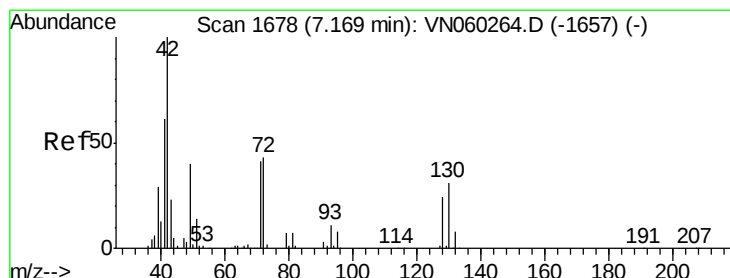
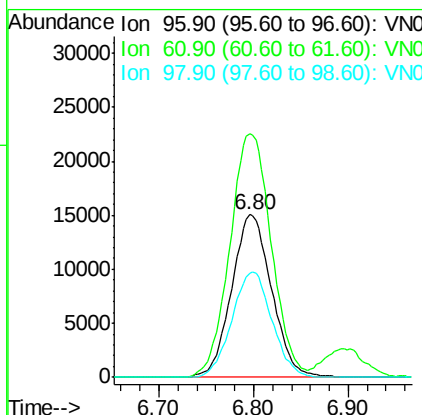
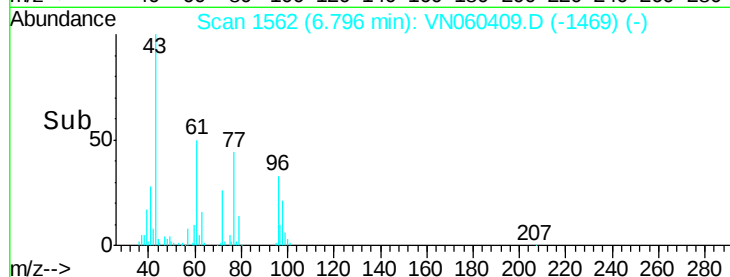
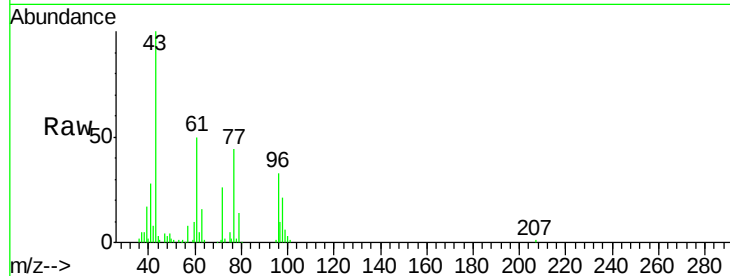
ClientSampleId :

VN0310WBSD01

Tot Ion:	96	Resp:	44214
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	300.8
98	64.8	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#28

Bromochloromethane

Concen: 18.405 ug/l

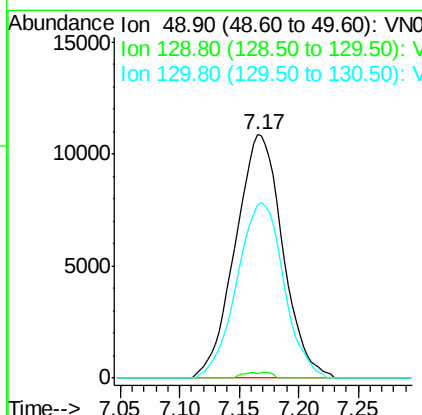
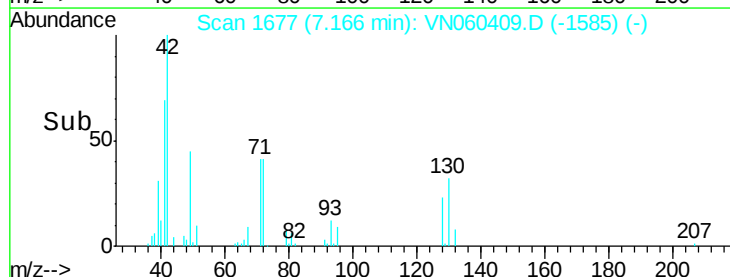
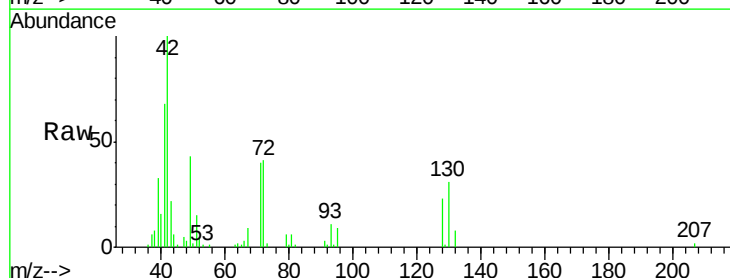
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	49	Resp:	29951
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	71.3	59.8	89.8





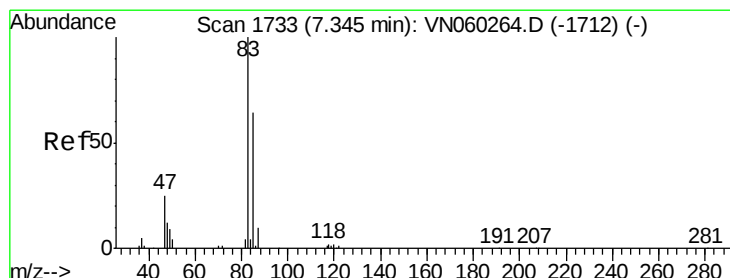
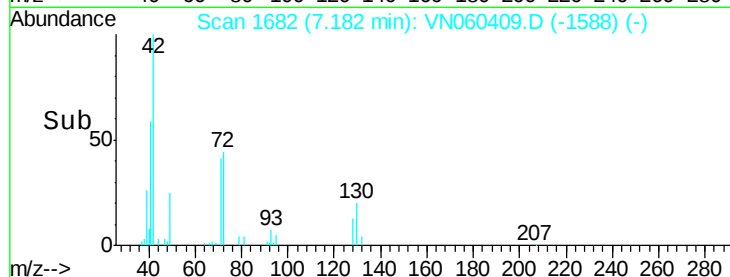
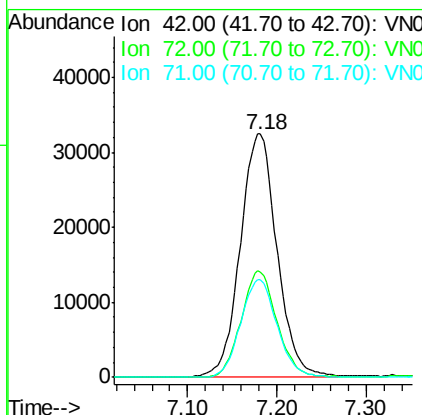
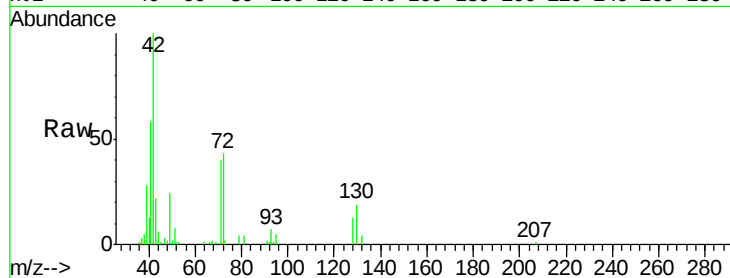
#29
Tetrahydrofuran
Concen: 102.718 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.7	32.9	49.3

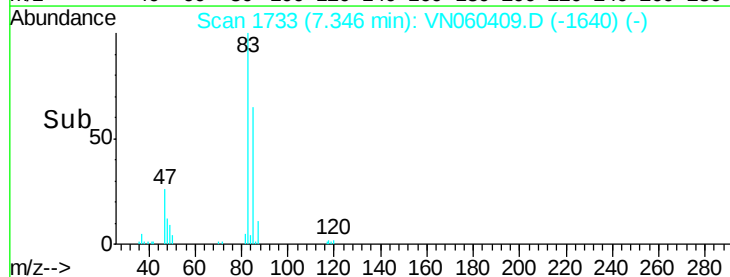
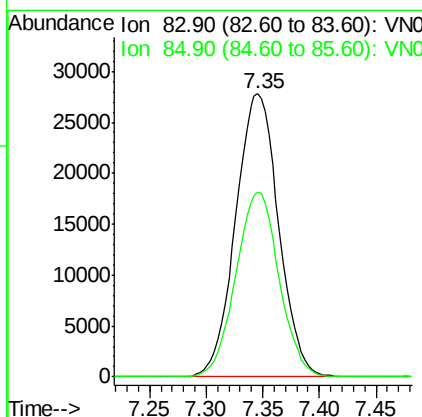
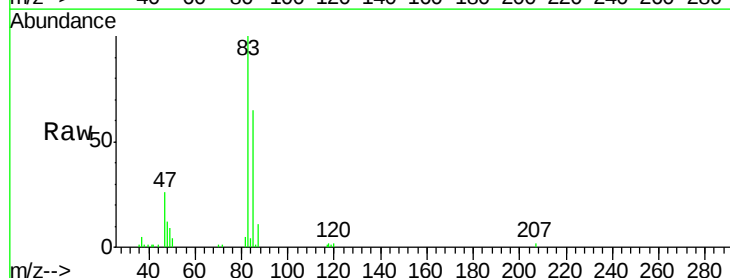
Manual Integrations
APPROVED

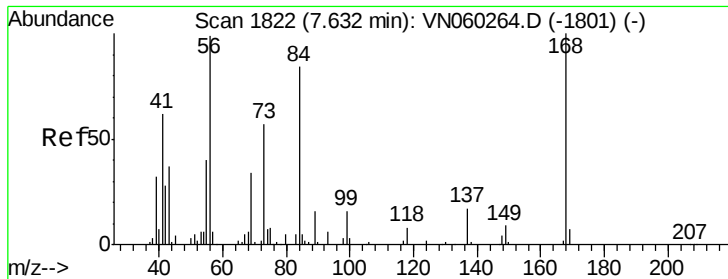
MMDadoda
3/11/2020 3:23:11 PM



#30
Chloroform
Concen: 18.603 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 17.647 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

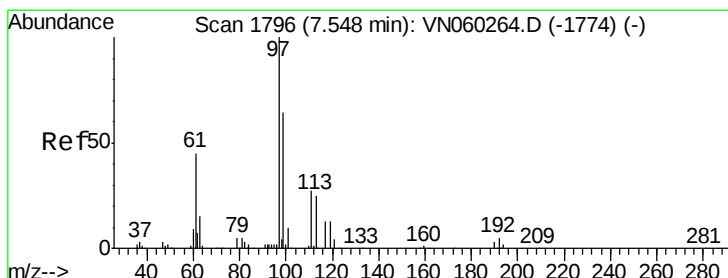
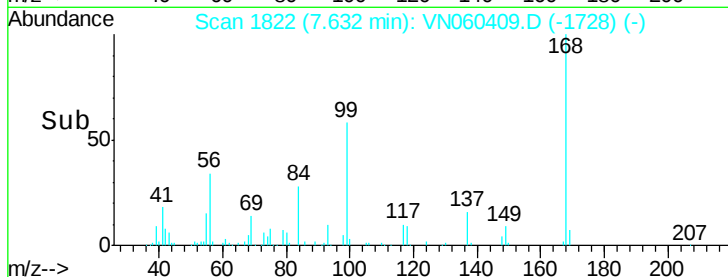
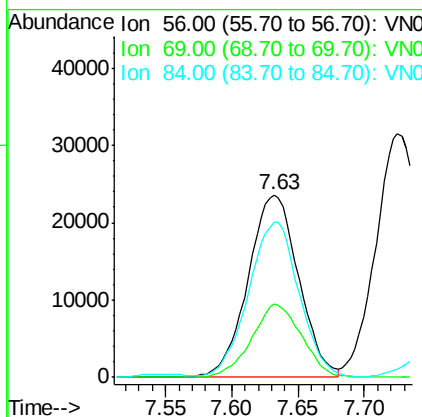
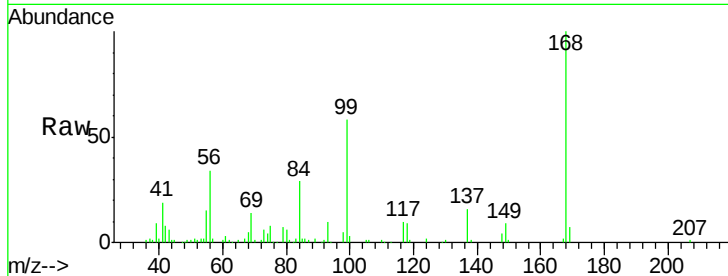
ClientSampleId :

VN0310WBSD01

Tot Ion:	56	Resp:	62622
Ion	Ratio	Lower	Upper
56	100		
69	40.5	27.2	40.8
84	84.2	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#32

1,1,1-Trichloroethane

Concen: 17.905 ug/l

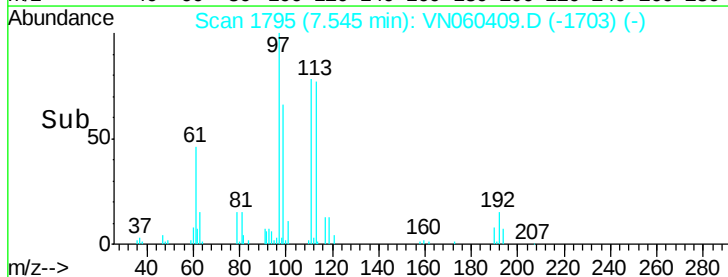
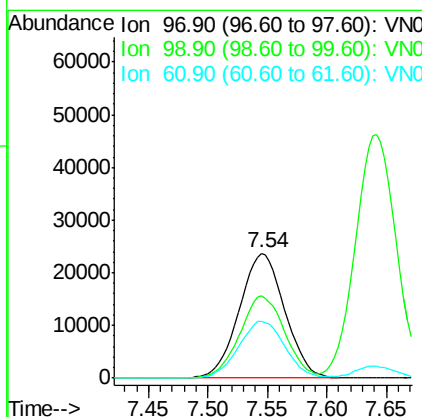
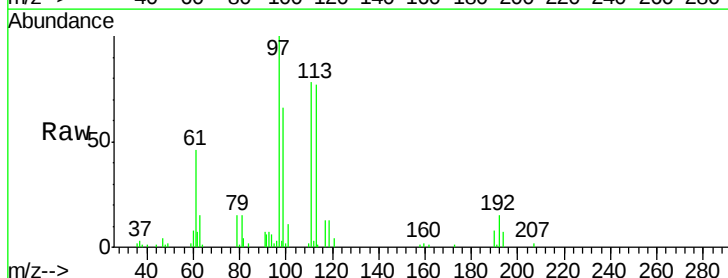
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	97	Resp:	62590
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	46.6	36.6	55.0





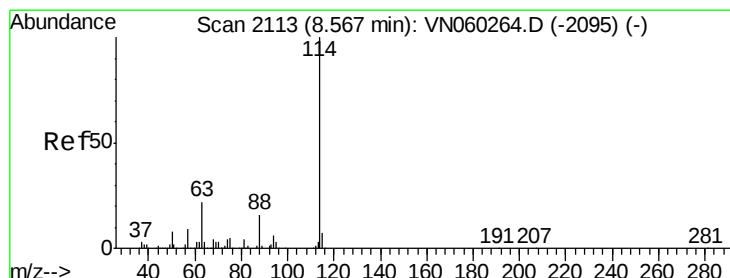
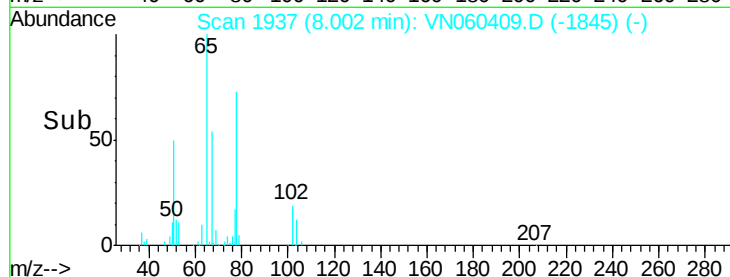
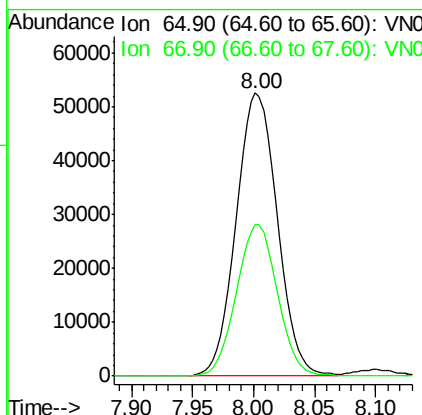
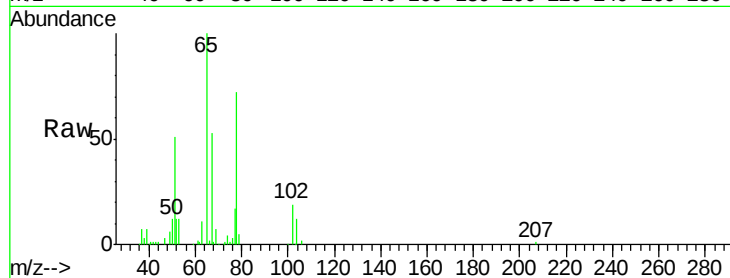
#33
 1,2-Dichloroethane-d4
 Concen: 49.070 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	103.8	

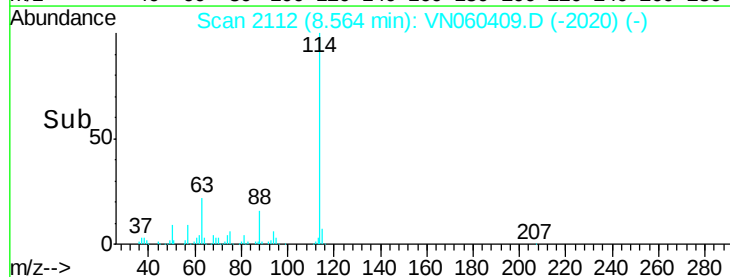
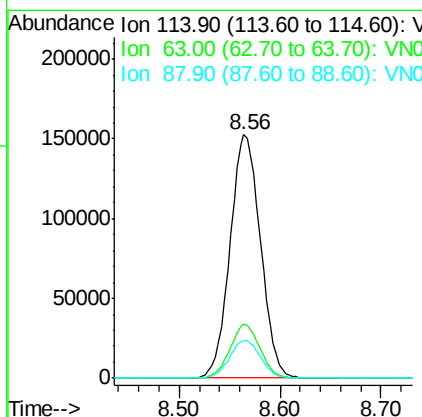
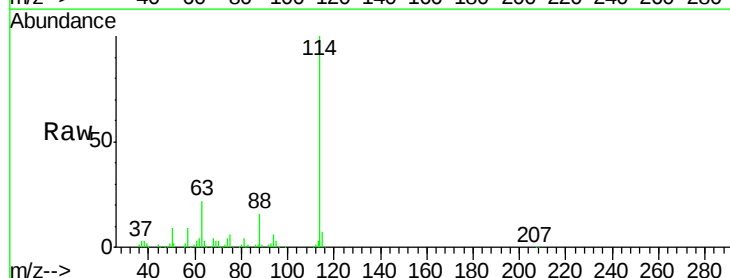
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.2	
88	15.6	0.0	31.6	





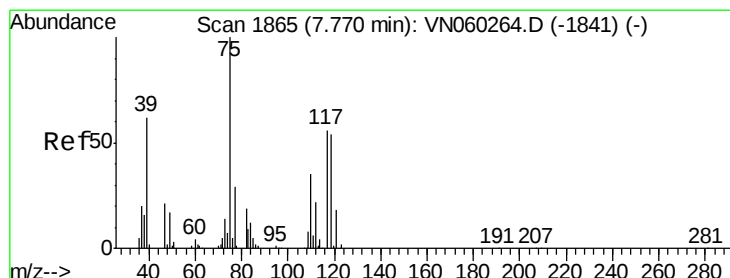
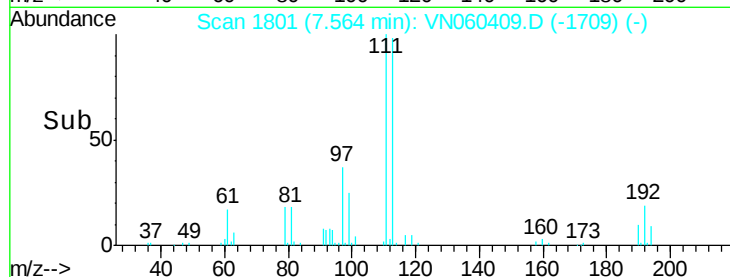
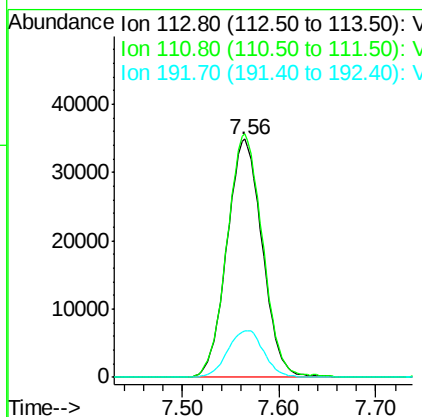
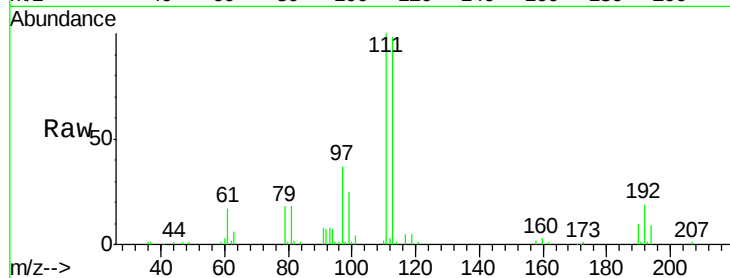
#35
 Dibromofluoromethane
 Concen: 59.649 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	20.0	16.2	24.2

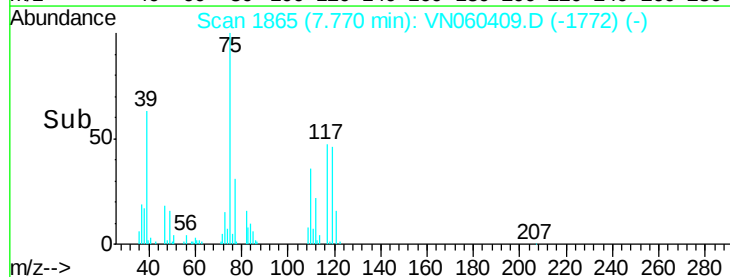
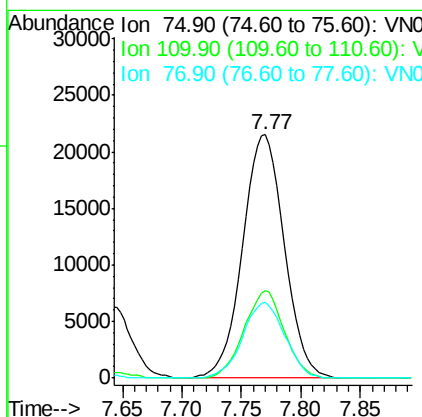
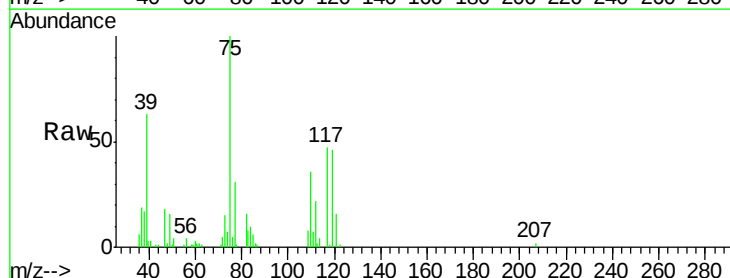
Manual Integrations
 APPROVED

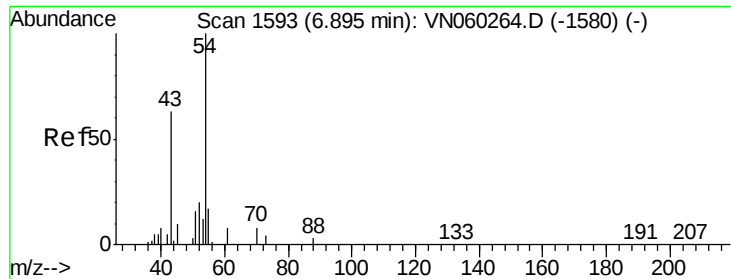
MMDadoda
 3/11/2020 3:23:11 PM



#36
 1,1-Dichloropropene
 Concen: 17.121 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	31.5	24.2	36.2





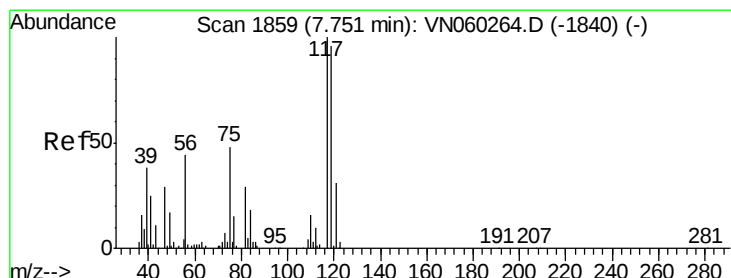
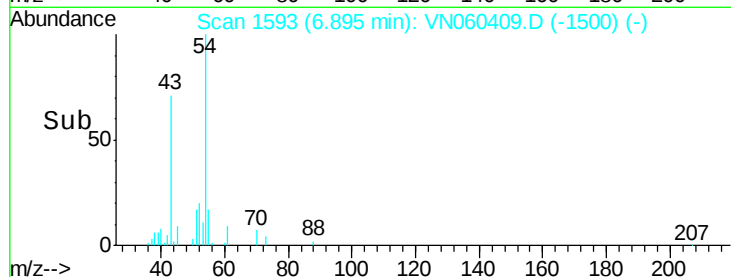
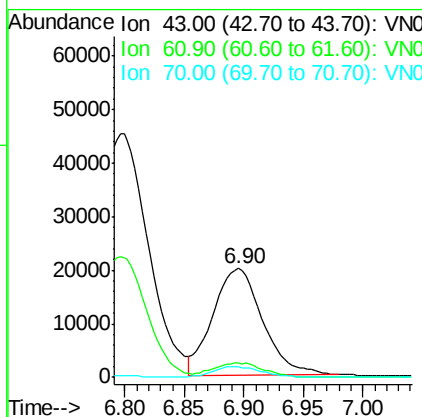
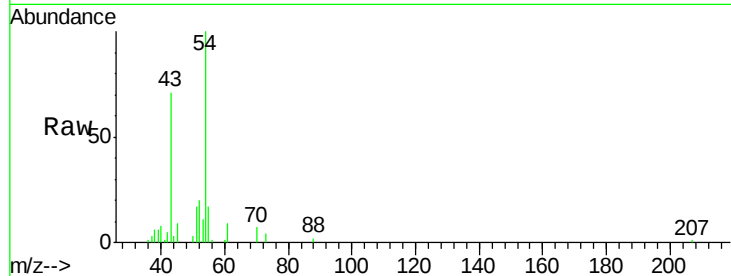
#37
Ethyl Acetate
Concen: 20.019 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.9	11.1	16.7	
70	9.9	8.4	12.6	

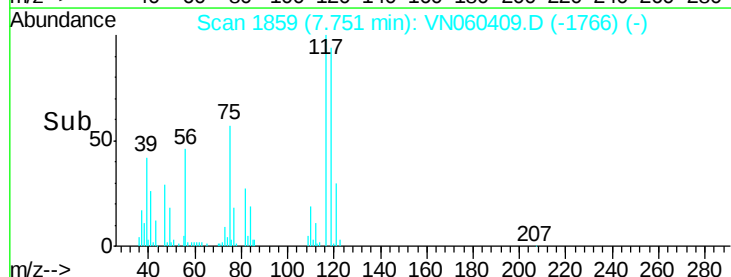
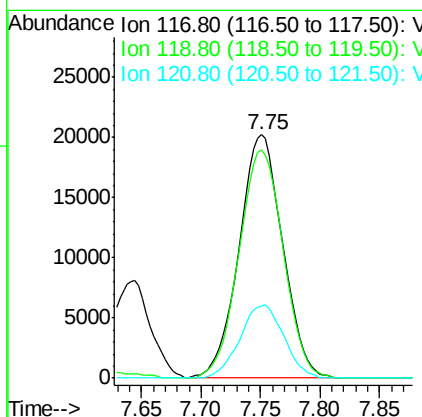
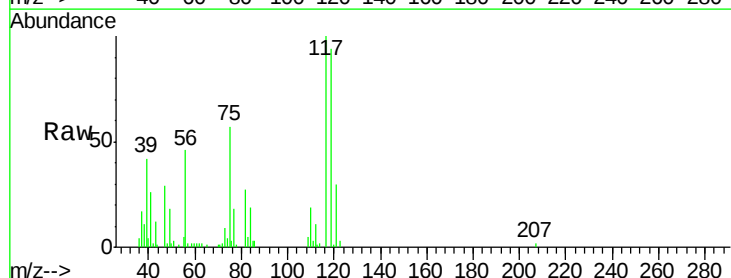
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#38
Carbon Tetrachloride
Concen: 17.294 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.7	76.7	115.1	
121	29.9	24.5	36.7	





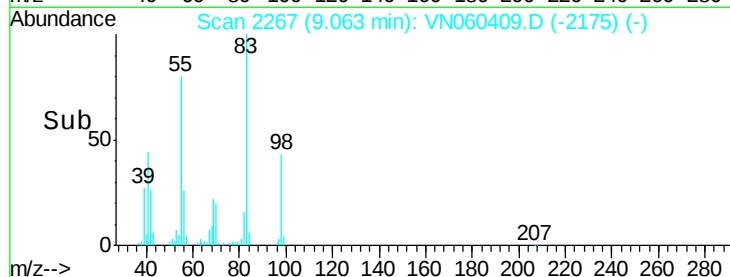
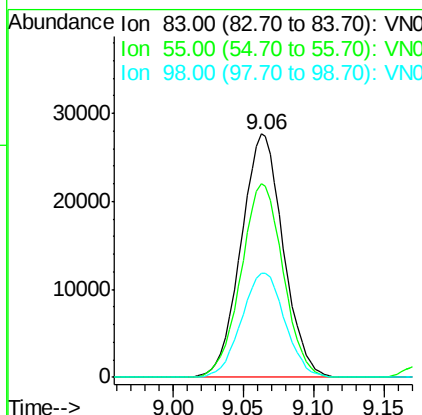
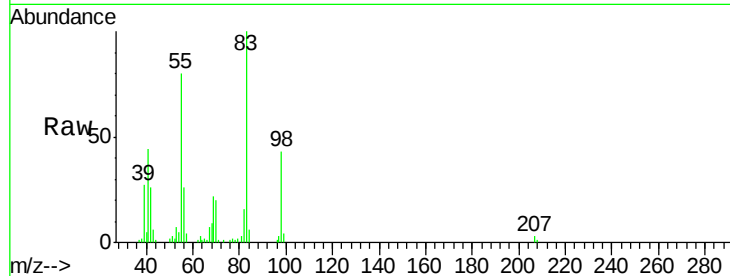
#39
Methvlcvclohexane
Concen: 16.065 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	61.0	91.4
98	42.5	36.1	54.1

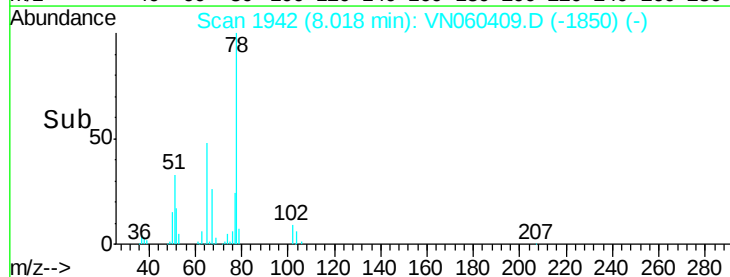
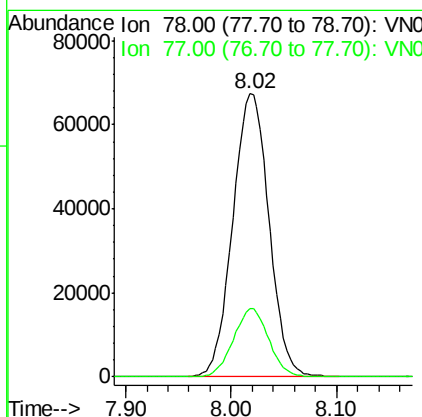
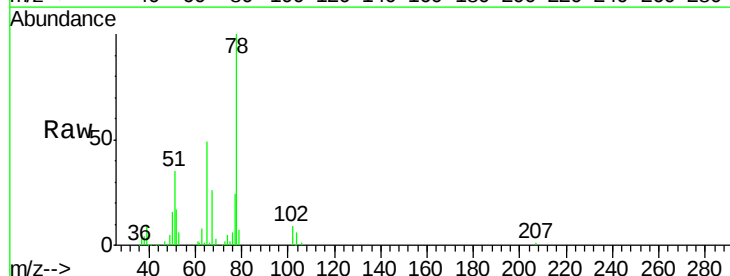
Manual Integrations
APPROVED

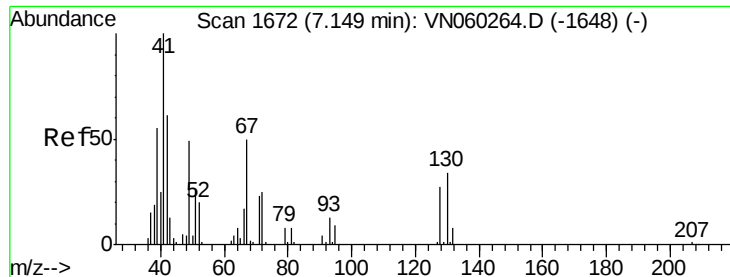
MMDadoda
3/11/2020 3:23:11 PM



#40
Benzene
Concen: 18.111 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





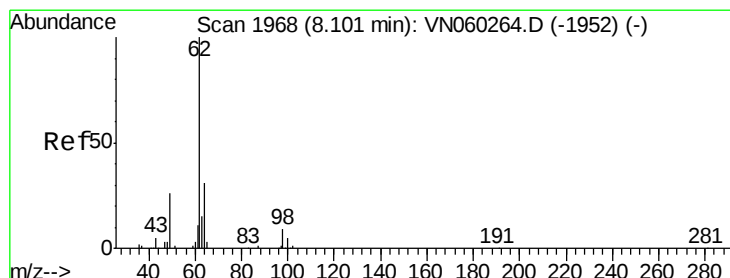
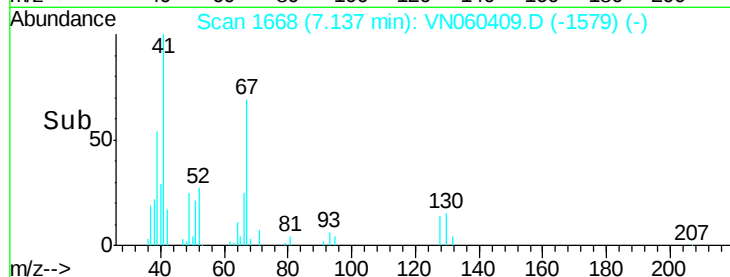
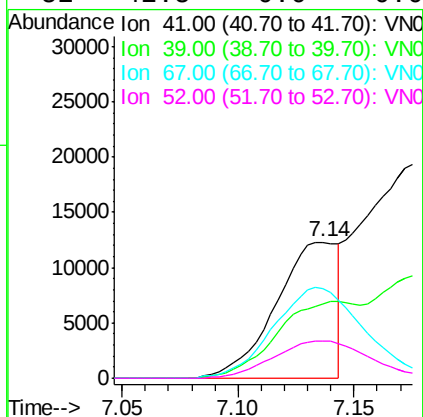
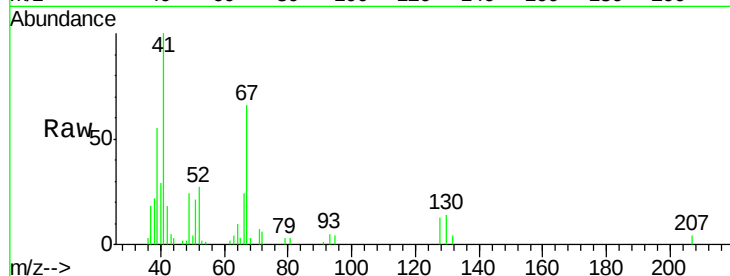
#41
Methacrylonitrile
Concen: 17.222 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.4	0.0	0.0#
67	98.2	0.0	0.0#
52	42.5	0.0	0.0#

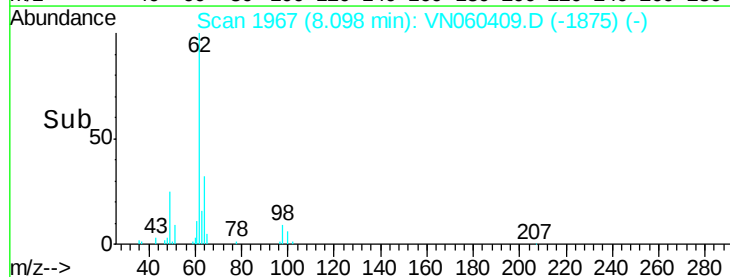
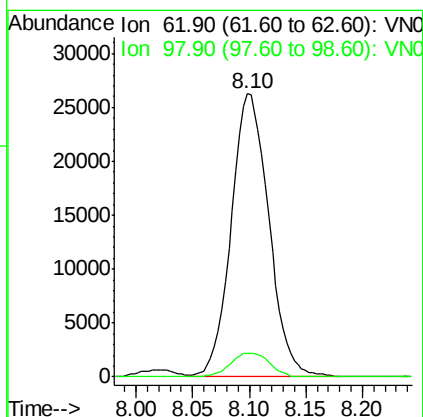
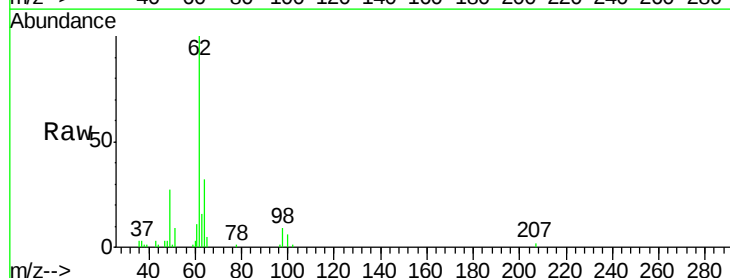
Manual Integrations
APPROVED

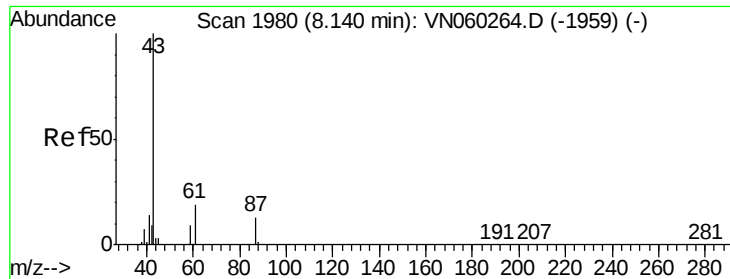
MMDadoda
3/11/2020 3:23:11 PM



#42
1,2-Dichloroethane
Concen: 19.020 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.852 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

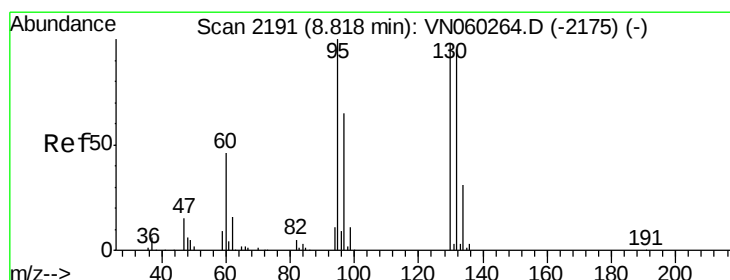
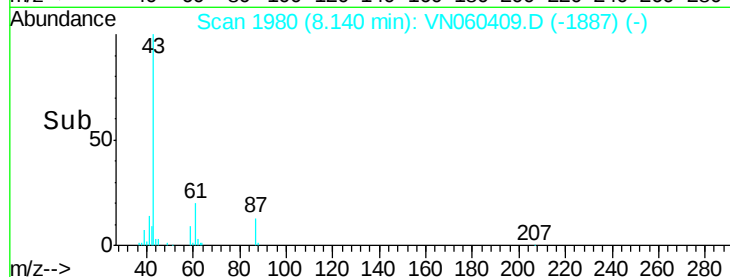
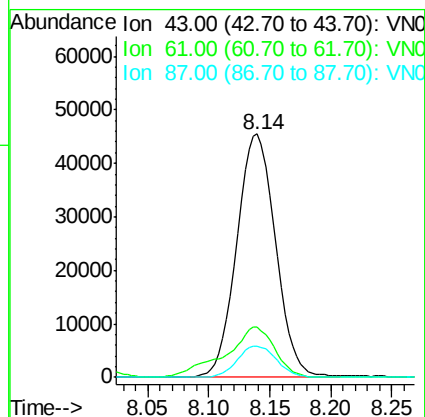
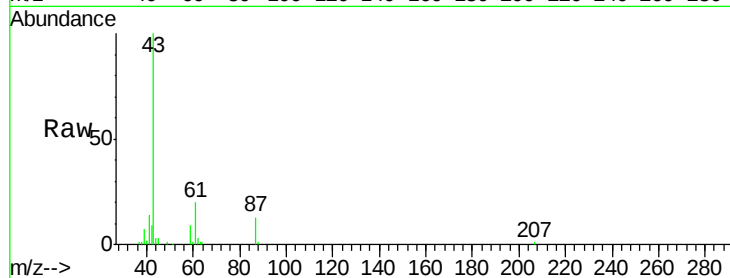
ClientSampleId :

VN0310WBSD01

Tot Ion:	43	Resp:	100379
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	13.0	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#44

Trichloroethene

Concen: 17.549 ug/l

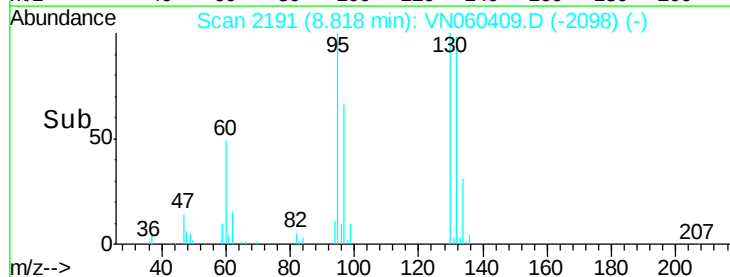
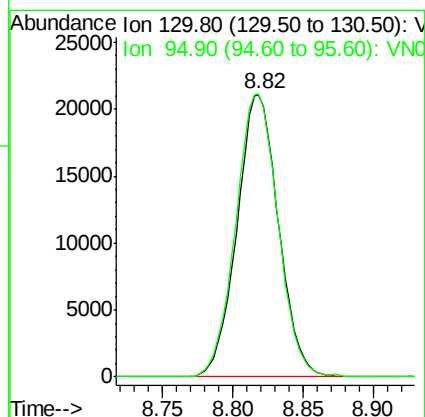
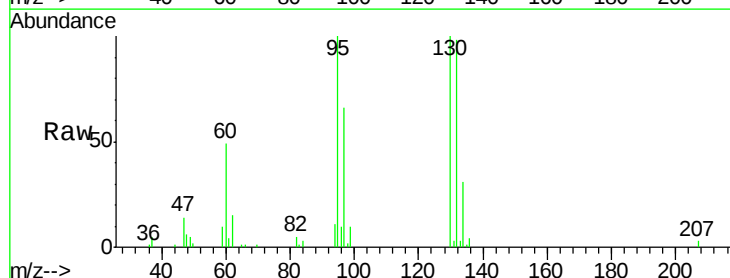
RT: 8.82 min Scan# 2191

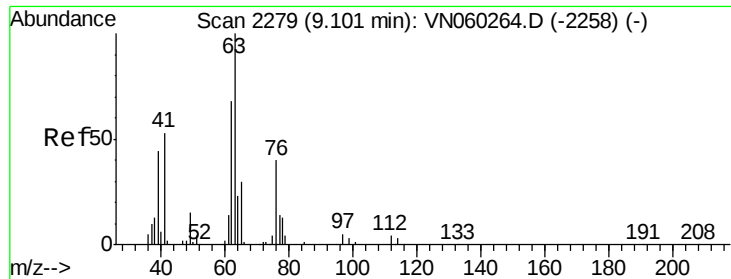
Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	130	Resp:	43392
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.759 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 63 Resp: 45864

Ion Ratio Lower Upper

63 100

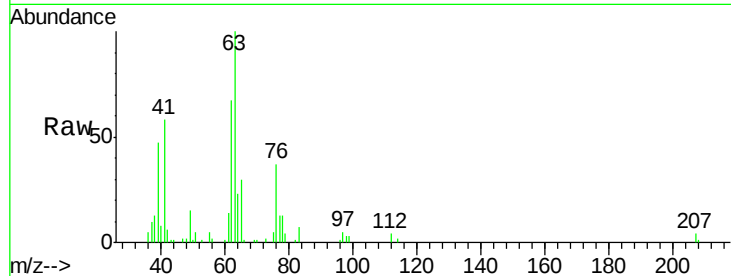
65 30.3 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:11 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

25000

20000

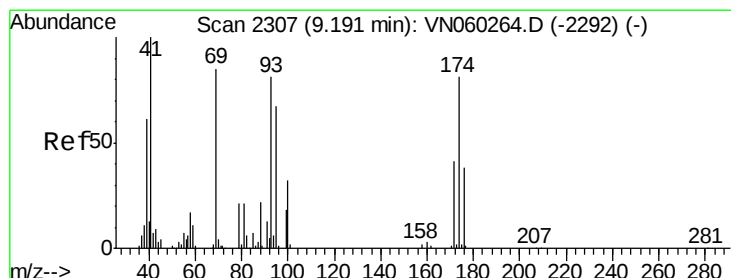
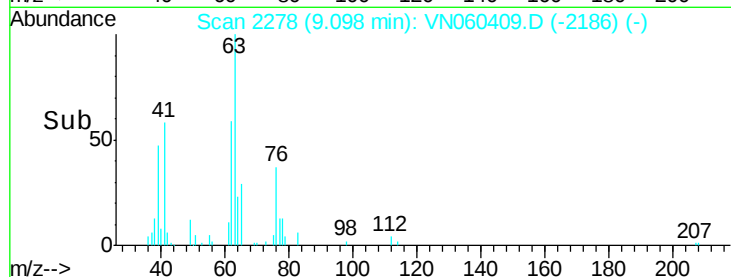
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.633 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

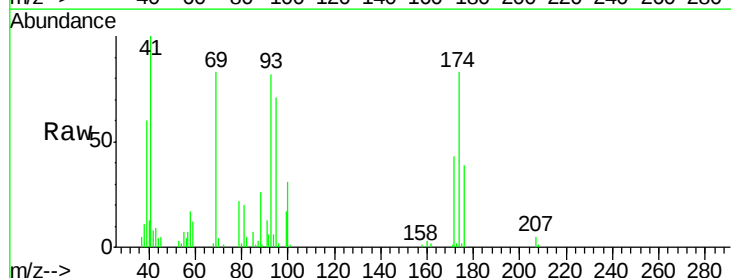
Tgt Ion: 93 Resp: 28064

Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 99.3 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

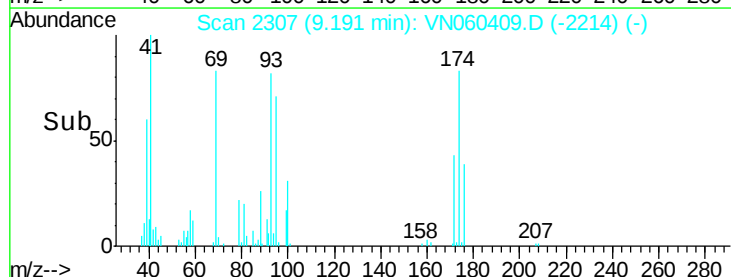
15000

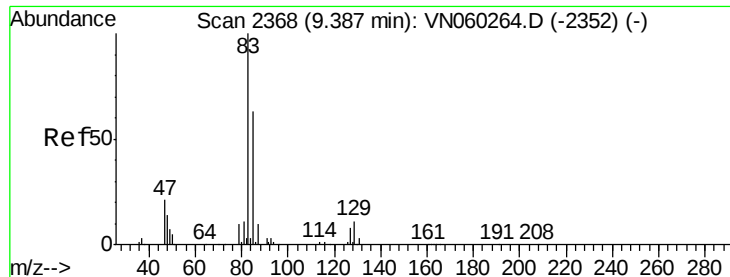
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

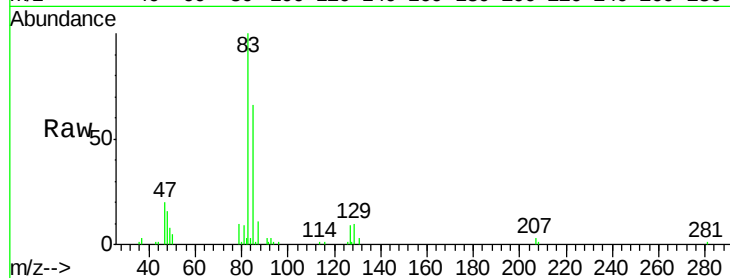
ClientSampleId :

VN0310WBSD01

Tot Ion:	83	Resp:	59012
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.7	76.1
127	8.6	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM

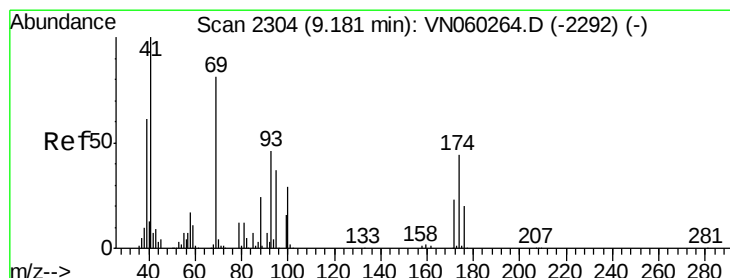
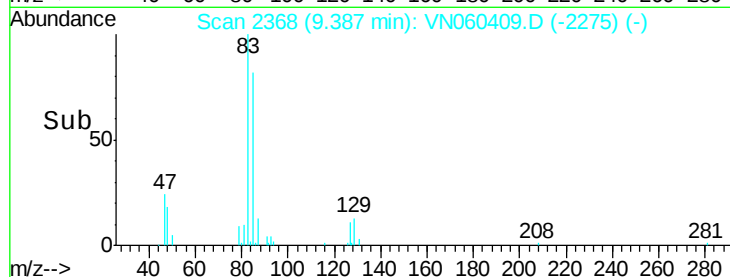


Abundance Ion 82.90 (82.60 to 83.60): VN060409.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060409.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060409.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.749 ug/l

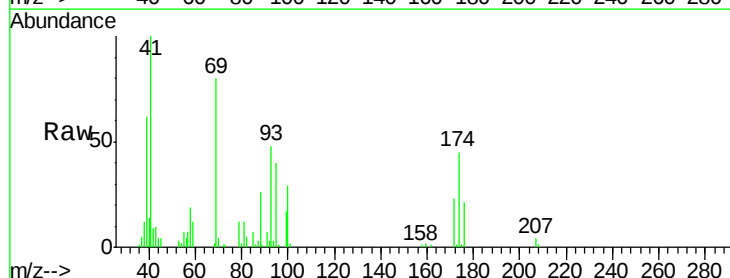
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	41	Resp:	43231
Ion	Ratio	Lower	Upper
41	100		
69	82.9	66.7	100.1
39	63.8	50.1	75.1

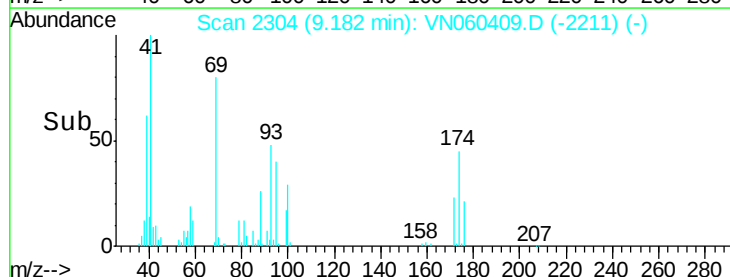


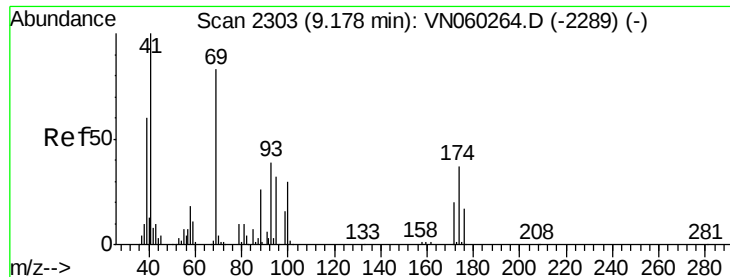
Abundance Ion 41.00 (40.70 to 41.70): VN060409.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060409.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060409.D (-2211) (-)

Time-->





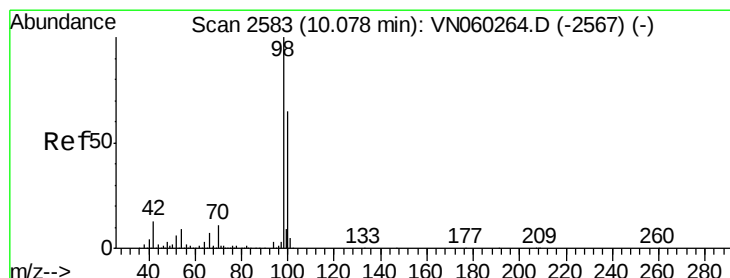
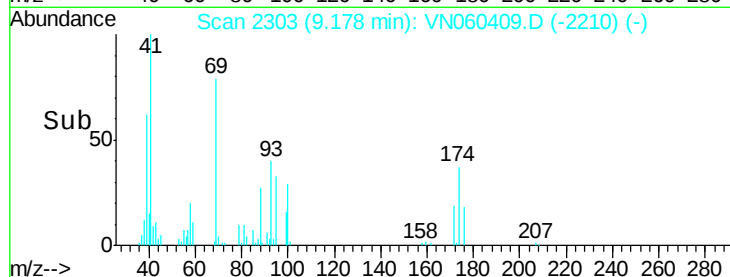
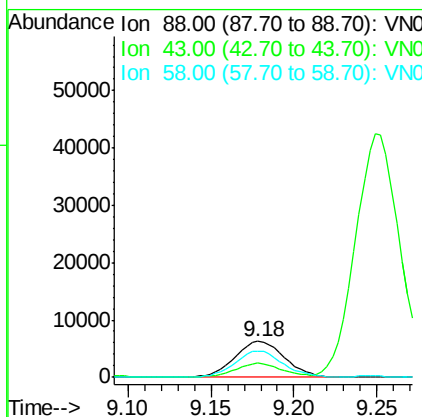
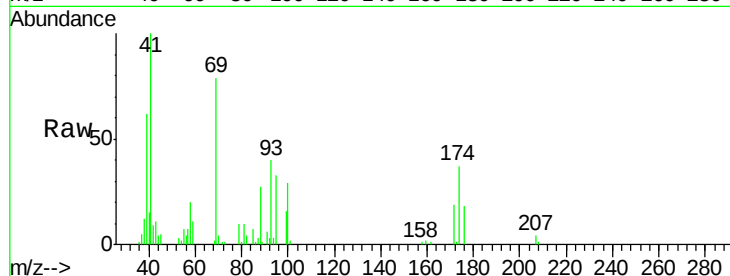
#49
1,4-Dioxane
Concen: 404.810 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.4	45.6
58	70.3	57.0	85.6

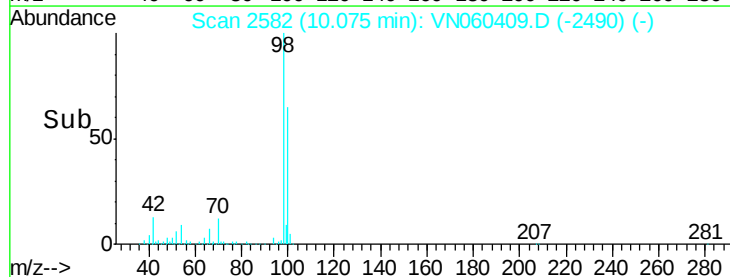
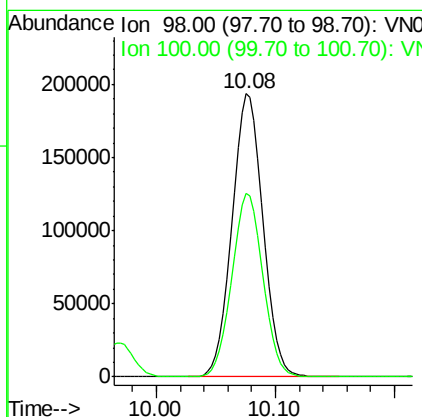
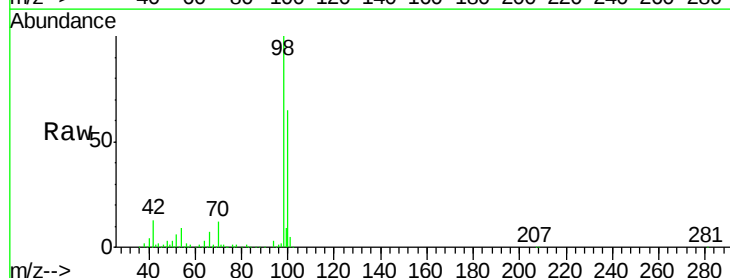
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#50
Toluene-d8
Concen: 46.279 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 103.547 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0310WBSD01

Tot Ion: 43 Resp: 296854

Ion Ratio Lower Upper

43 100

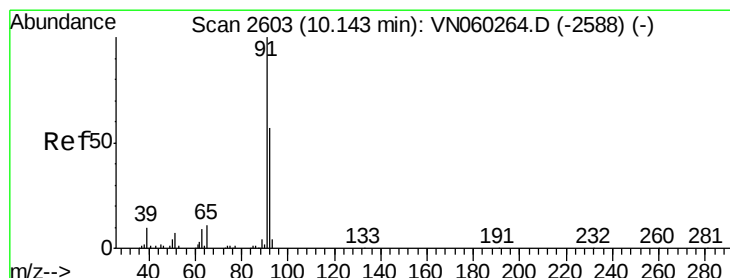
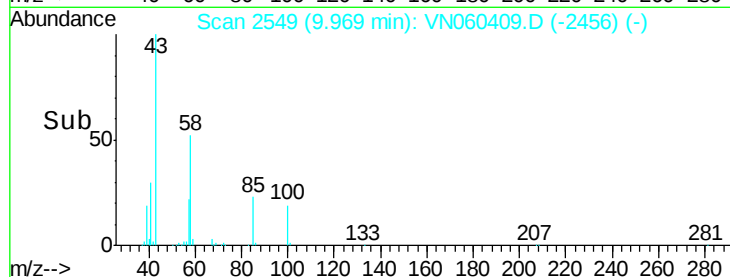
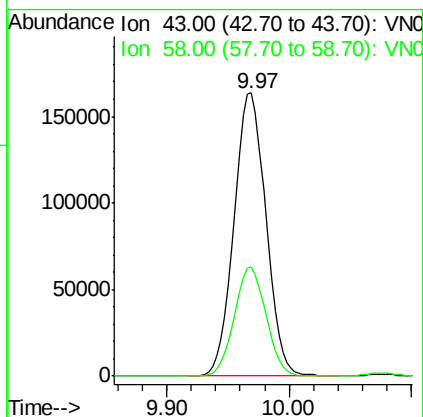
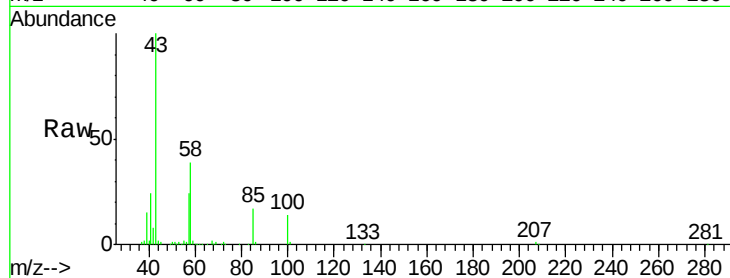
58 38.2 30.9 46.3

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:23:11 PM



#52

Toluene

Concen: 17.689 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060409.D

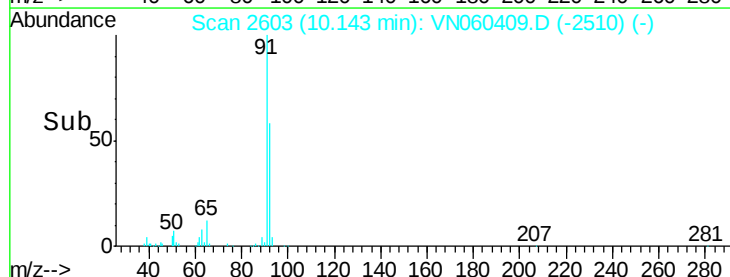
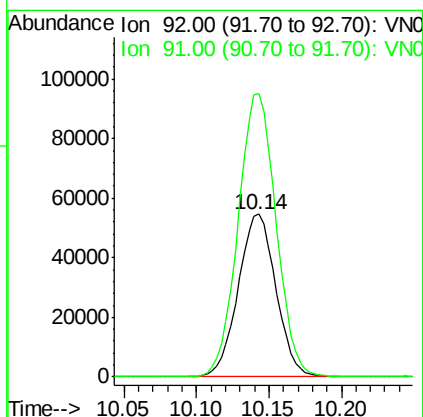
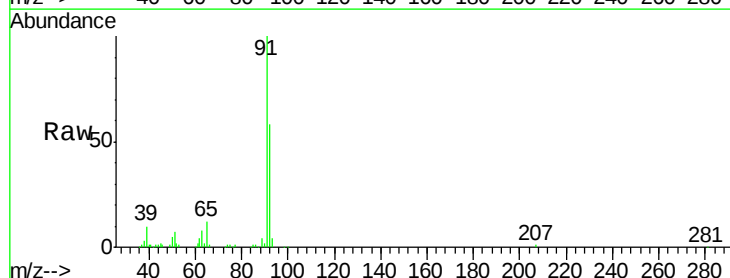
Acq: 10 Mar 2020 12:22

Tgt Ion: 92 Resp: 98651

Ion Ratio Lower Upper

92 100

91 175.4 138.1 207.1





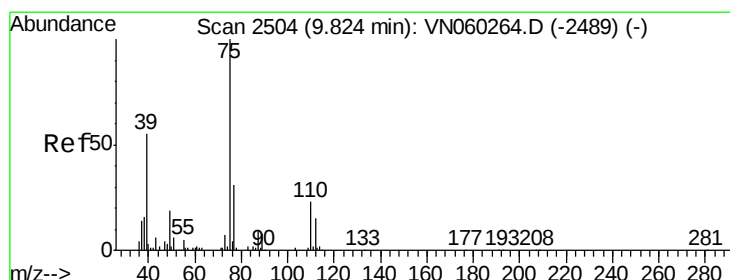
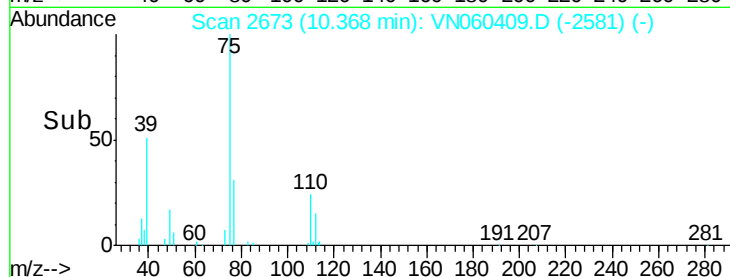
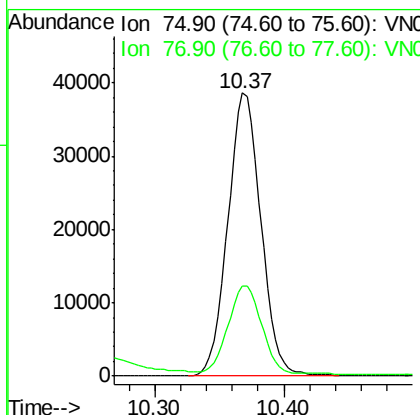
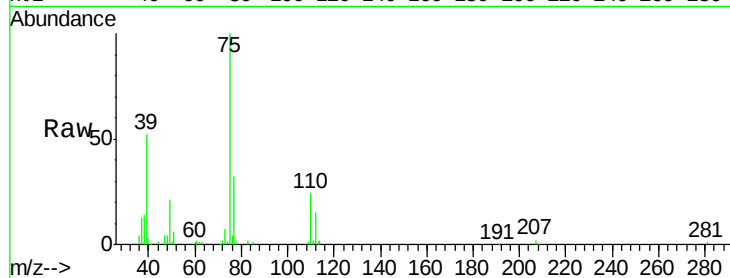
#53
t-1,3-Dichloropropene
Concen: 18.311 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2

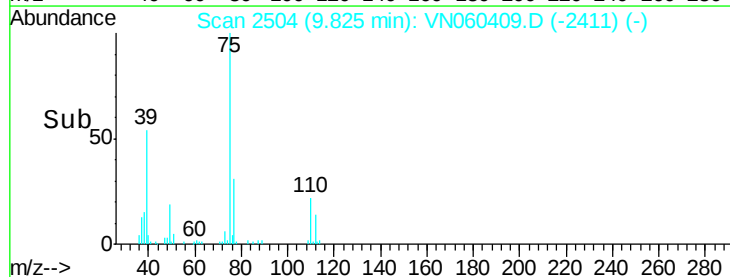
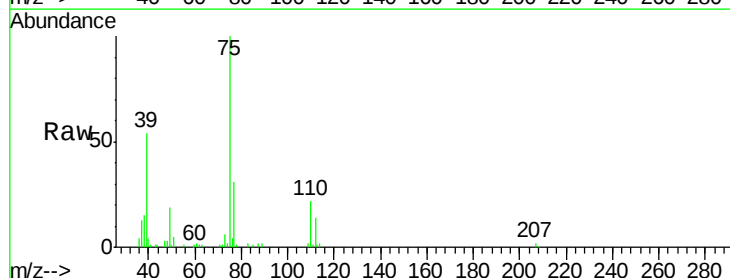
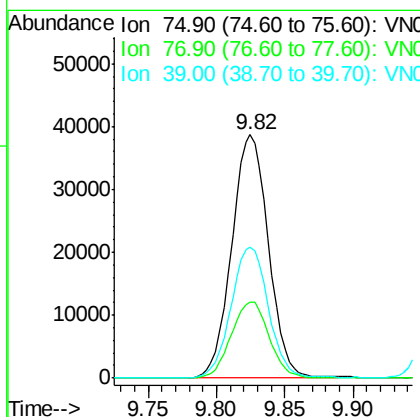
Manual Integrations
APPROVED

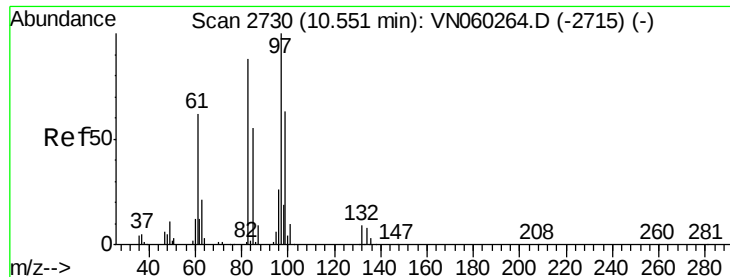
MMDadoda
3/11/2020 3:23:11 PM



#54
cis-1,3-Dichloropropene
Concen: 18.578 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	54.0	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 19.278 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

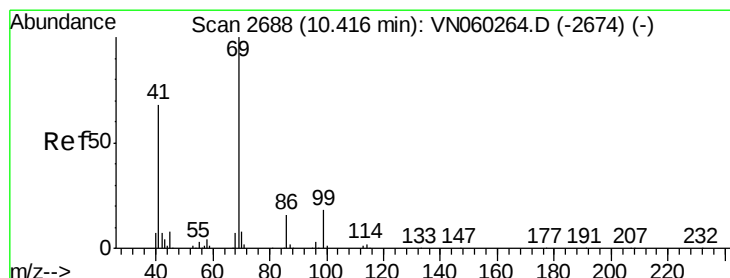
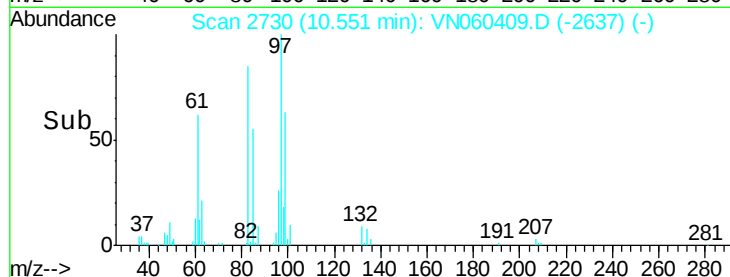
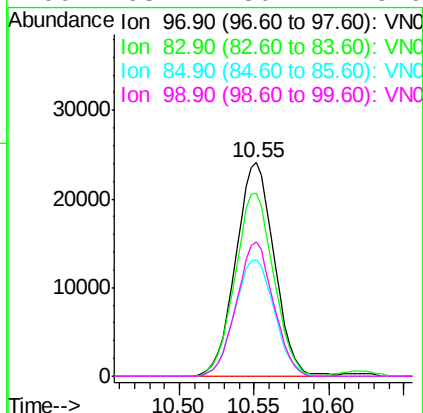
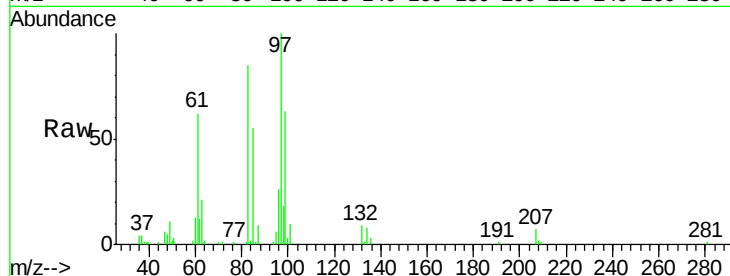
ClientSampleId :

VN0310WBSD01

Tot Ion:	97	Resp:	43234
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.0	105.0
85	54.7	44.0	66.0
99	63.2	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#56

Ethyl methacrylate

Concen: 19.382 ug/l

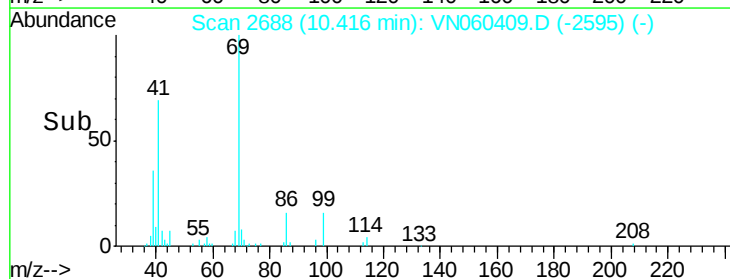
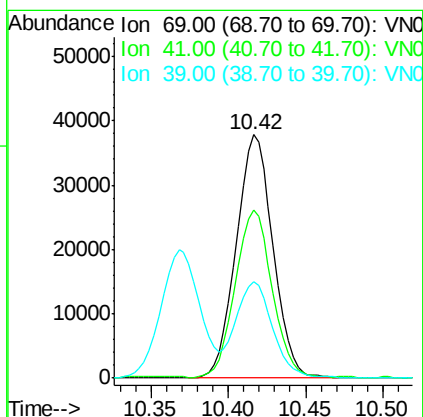
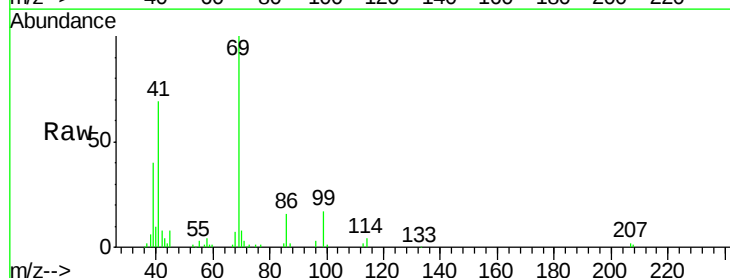
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	69	Resp:	62449
Ion	Ratio	Lower	Upper
69	100		
41	68.5	54.1	81.1
39	40.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.280 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 76 Resp: 70516

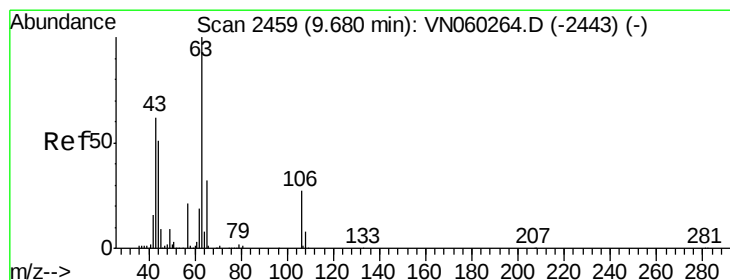
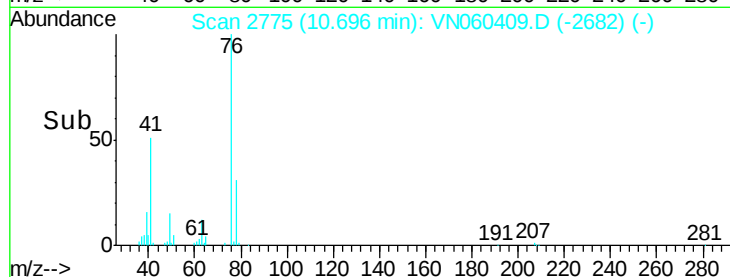
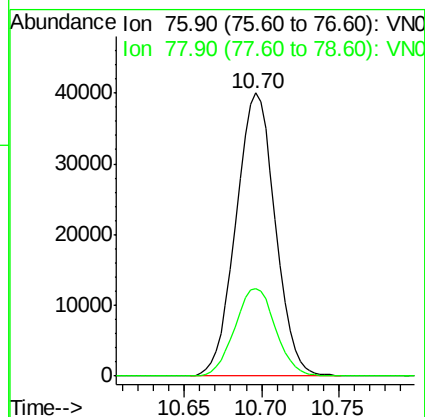
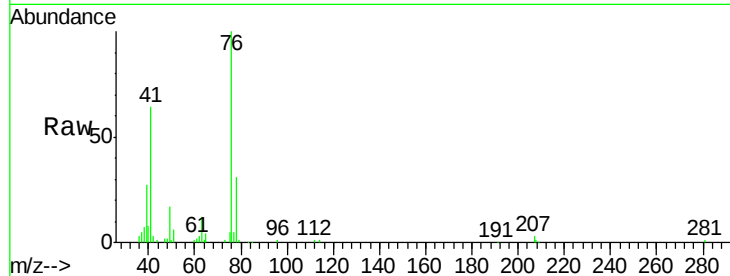
Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.123 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060409.D

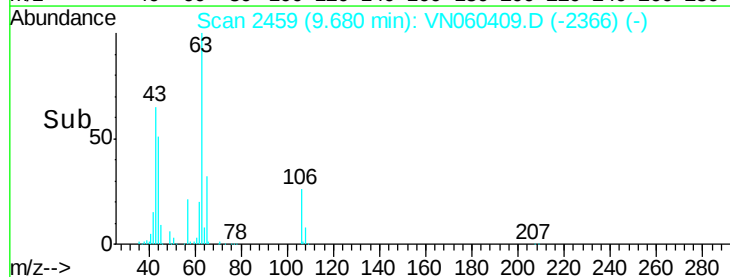
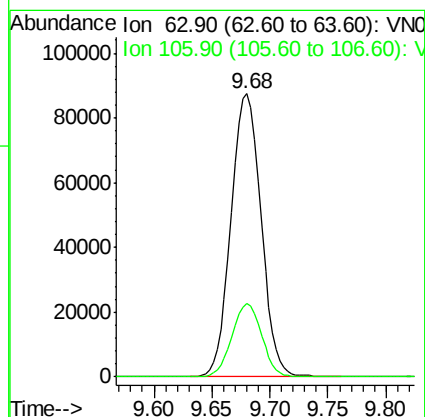
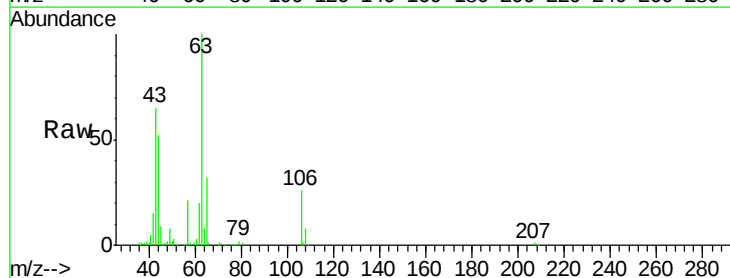
Acq: 10 Mar 2020 12:22

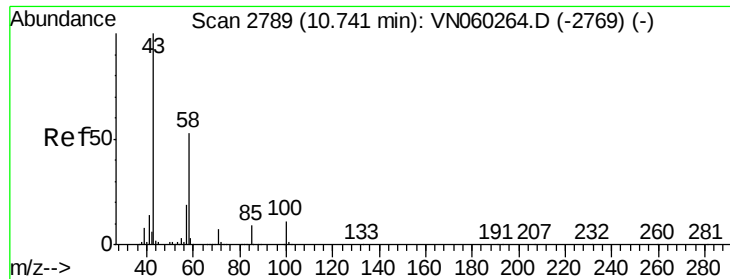
Tgt Ion: 63 Resp: 156922

Ion Ratio Lower Upper

63 100

106 25.7 21.1 31.7





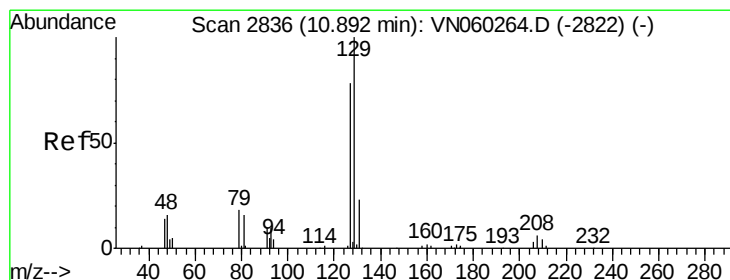
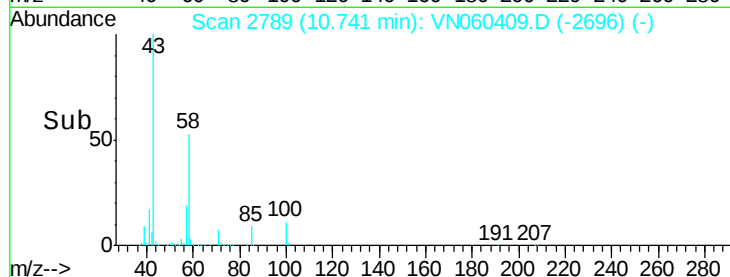
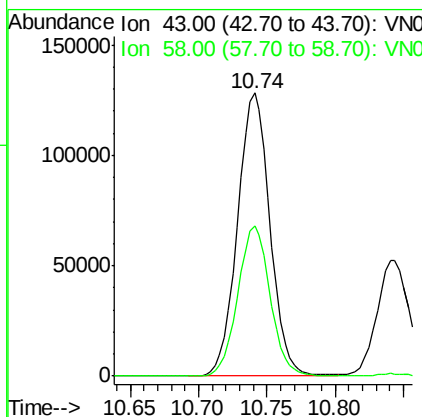
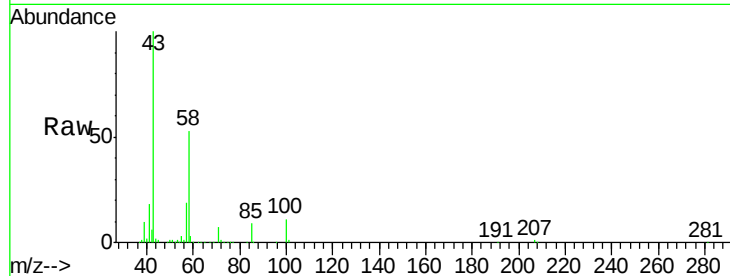
#59
2-Hexanone
Concen: 100.687 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion: 43 Resp: 211936
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.5

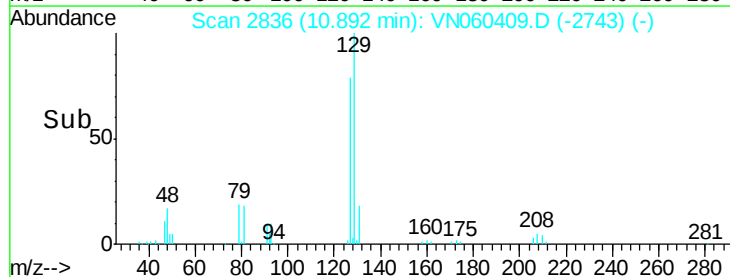
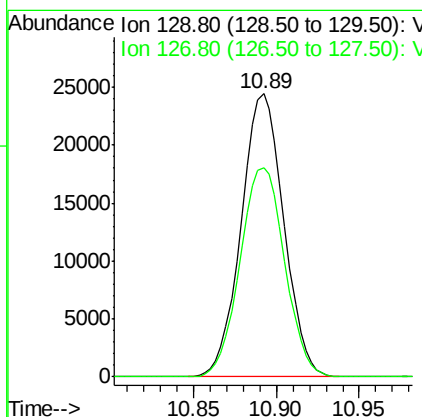
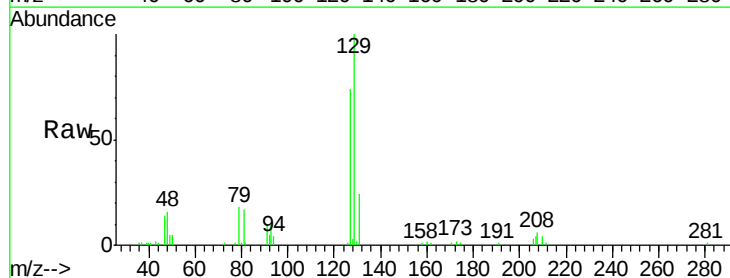
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#60
Dibromochloromethane
Concen: 19.096 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion: 129 Resp: 43553
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





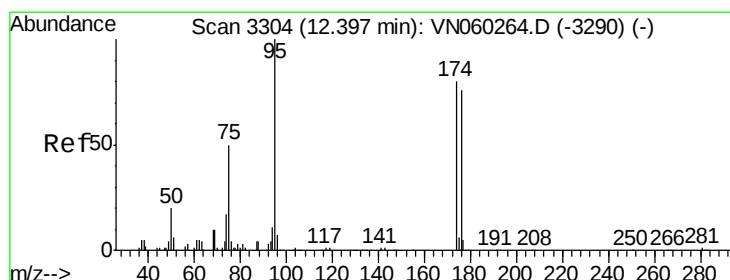
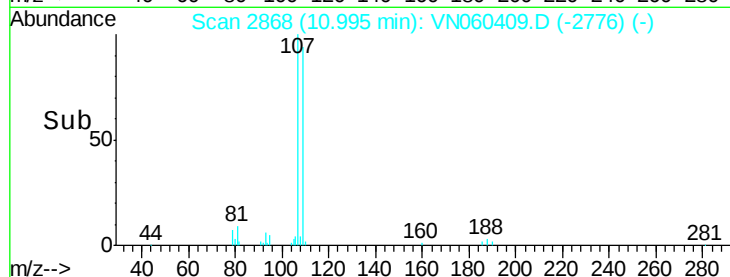
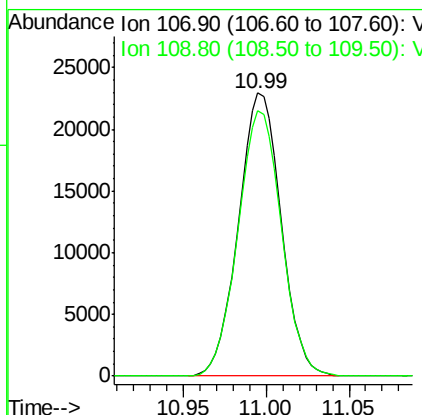
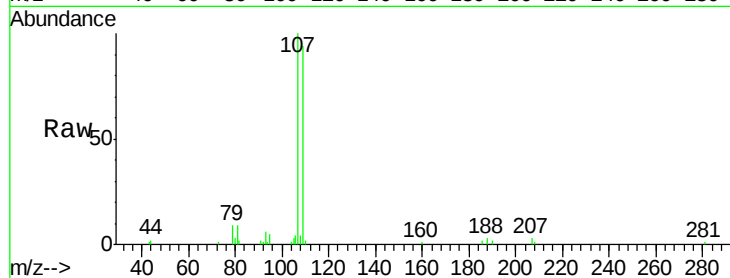
#61
 1,2-Dibromoethane
 Concen: 18.792 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.8	115.2

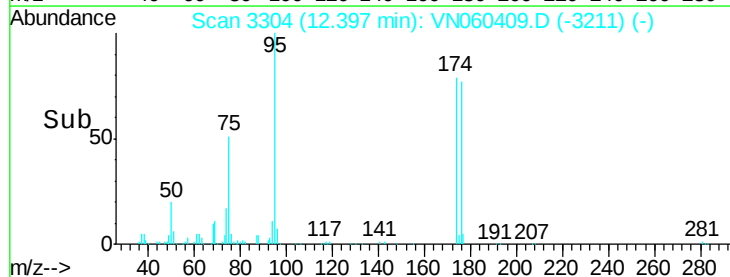
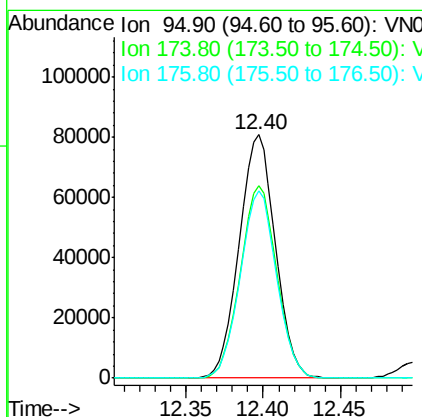
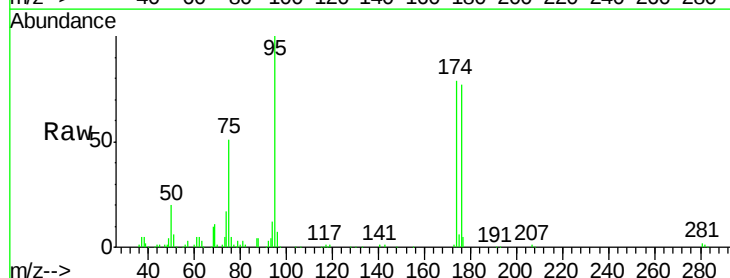
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#62
 4-Bromofluorobenzene
 Concen: 46.130 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	159.2
176	77.3	0.0	153.8





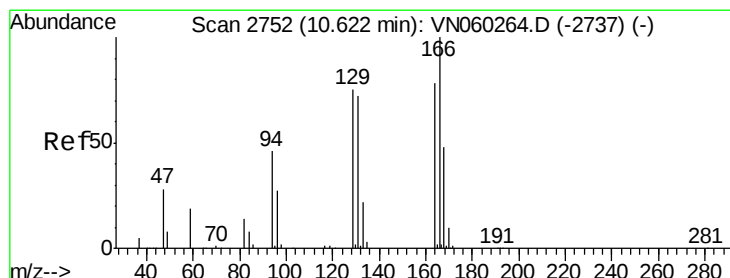
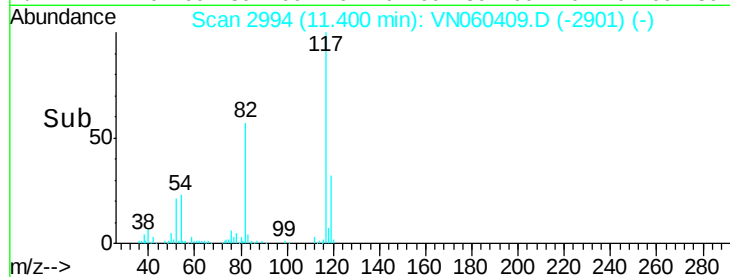
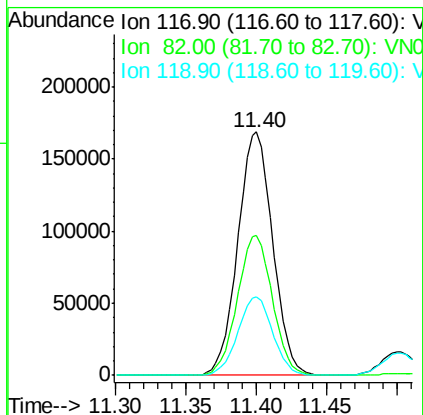
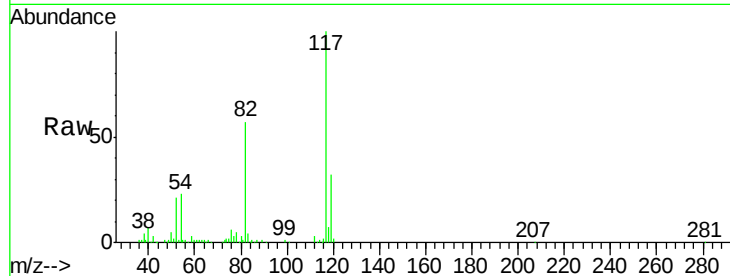
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293186		
82	57.2		45.8	68.6
119	32.4		25.8	38.8

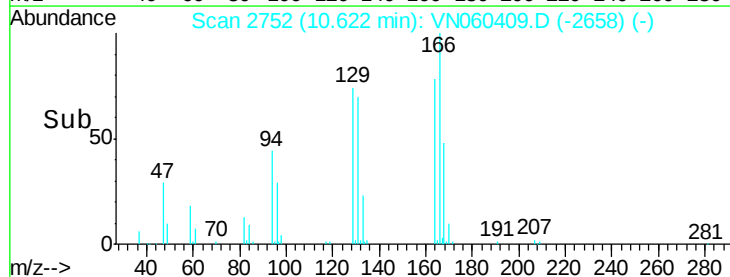
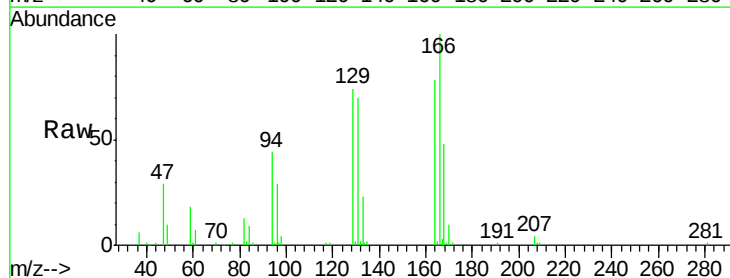
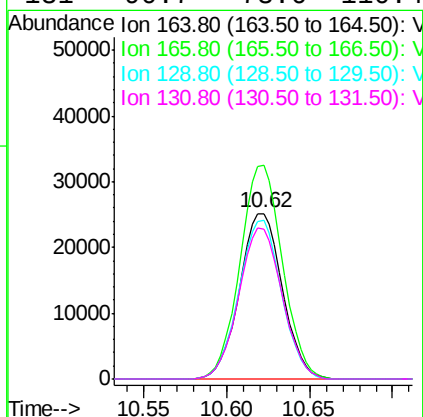
Manual Integrations
APPROVED

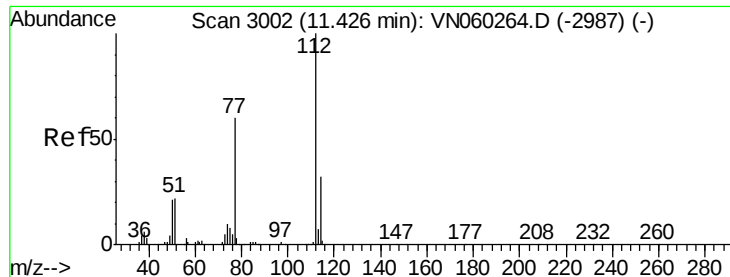
MMDadoda
3/11/2020 3:23:11 PM



#64
Tetrachloroethene
Concen: 18.634 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45062		
166	128.8		102.0	153.0
129	95.4		76.4	114.6
131	90.7		73.6	110.4





#65

Chlorobenzene

Concen: 17.825 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0310WBSD01

Tot Ion:112 Resp: 105526

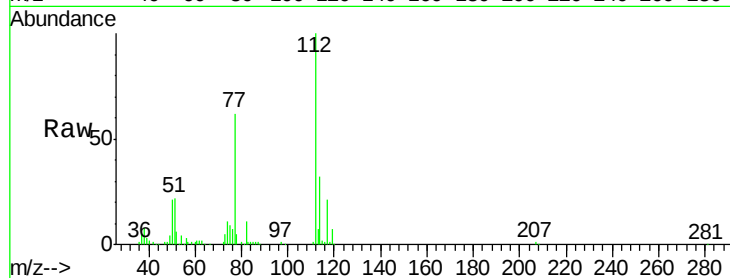
Ion Ratio Lower Upper

112 100

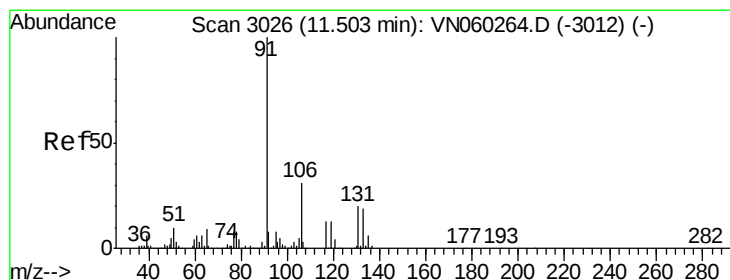
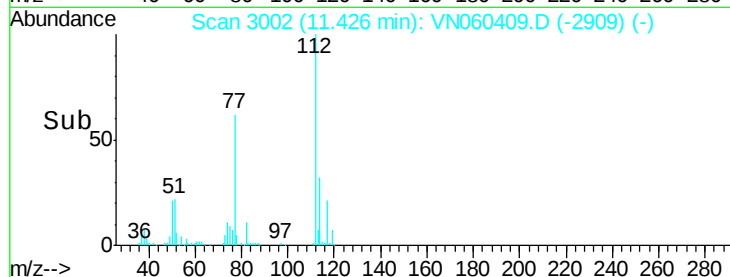
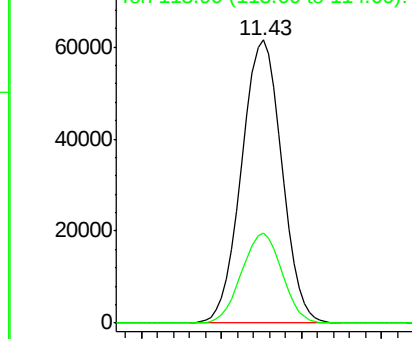
114 31.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.491 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

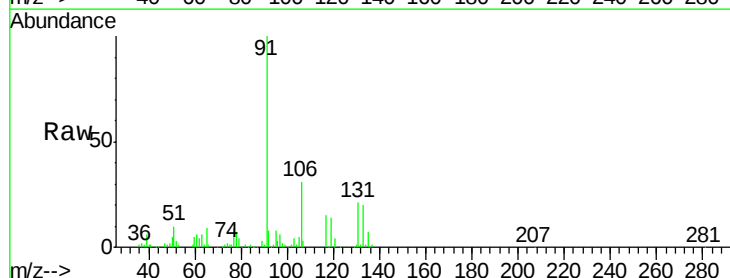
Tgt Ion:131 Resp: 40477

Ion Ratio Lower Upper

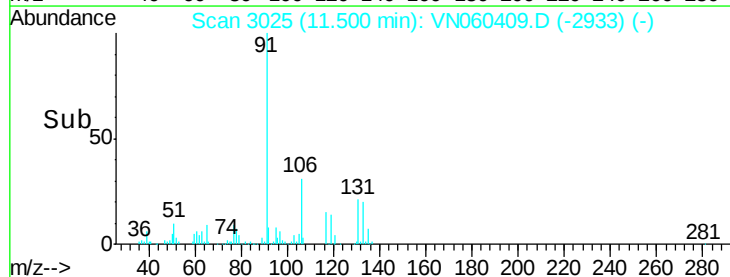
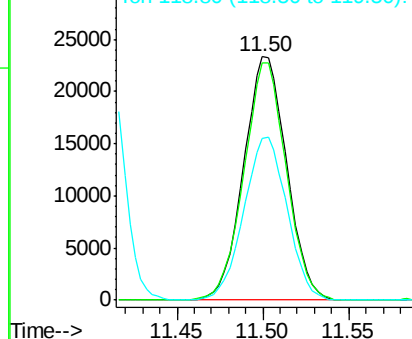
131 100

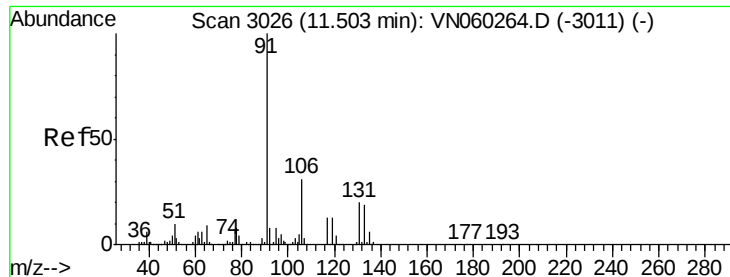
133 96.3 47.7 143.1

119 67.5 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





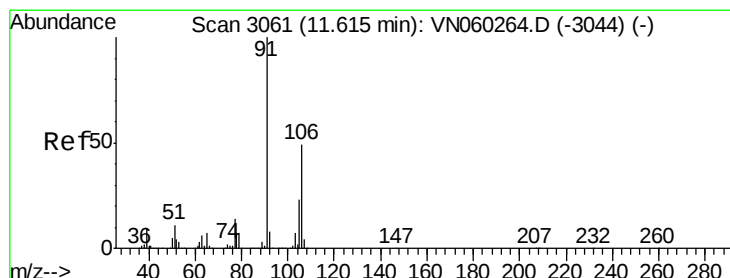
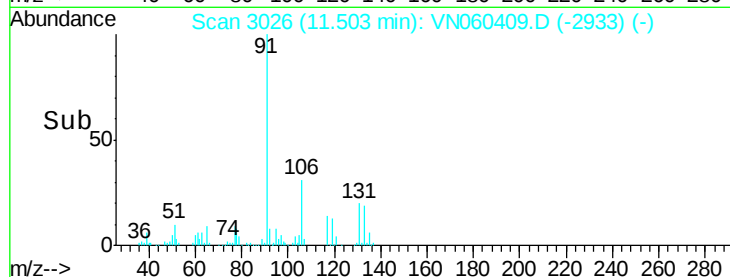
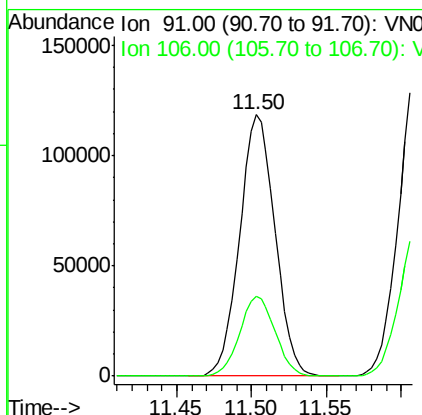
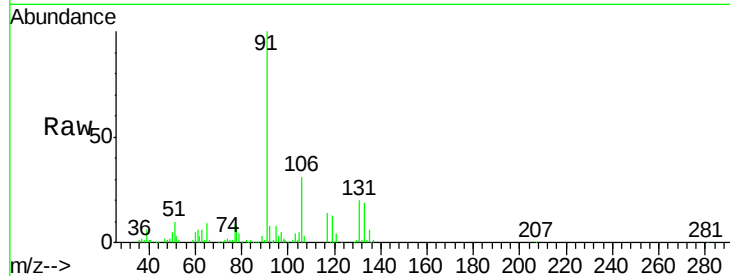
#67
Ethyl Benzene
Concen: 18.042 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.6	24.7	37.1	

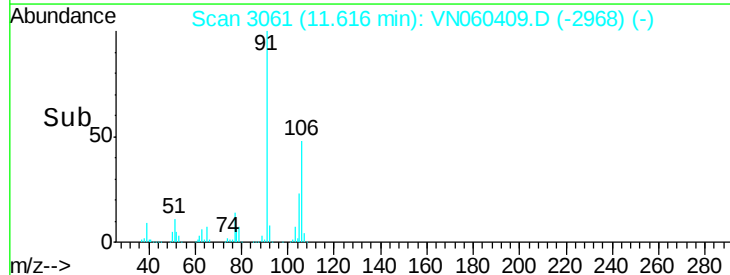
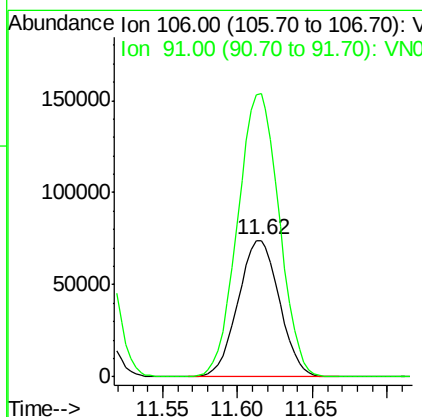
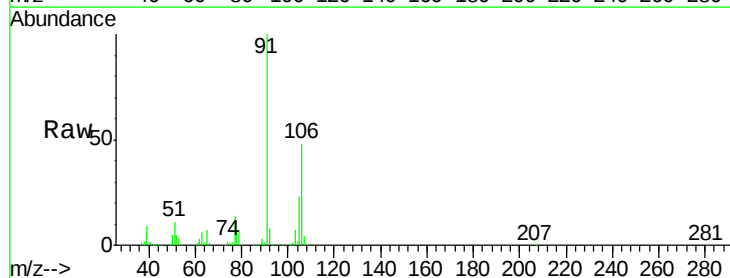
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#68
m/p-Xylenes
Concen: 34.972 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.8	164.5	246.7	





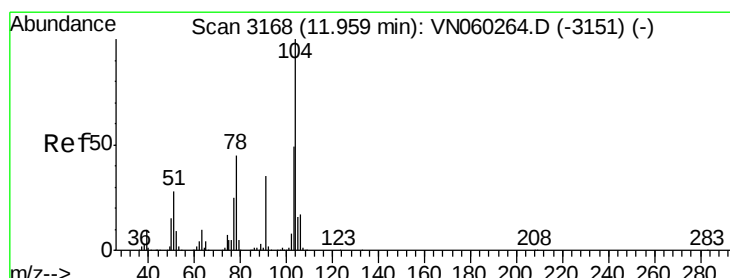
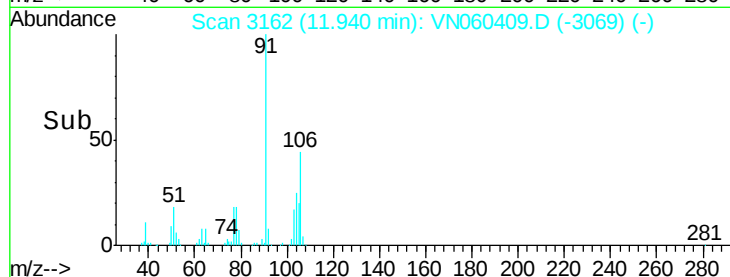
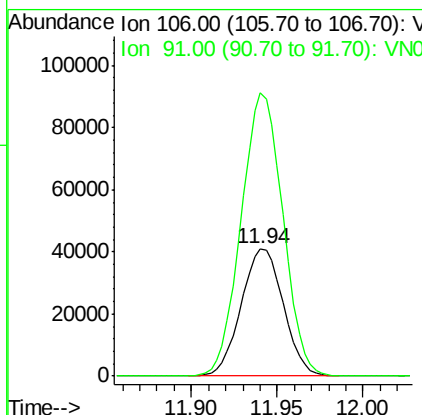
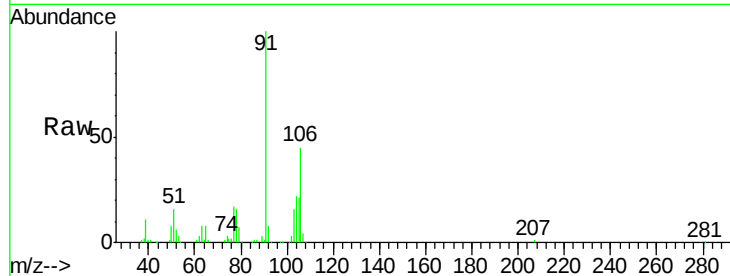
#69
o-Xylene
Concen: 17.967 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0310WBSD01

Tot Ion:106 Resp: 69691
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4

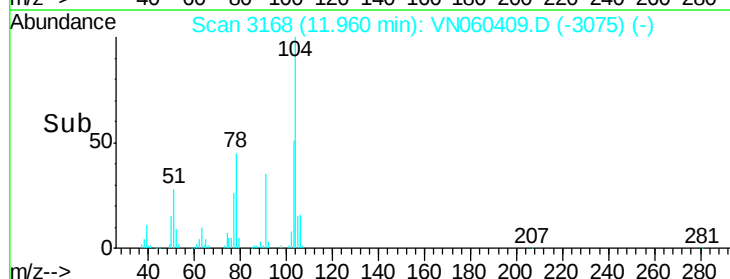
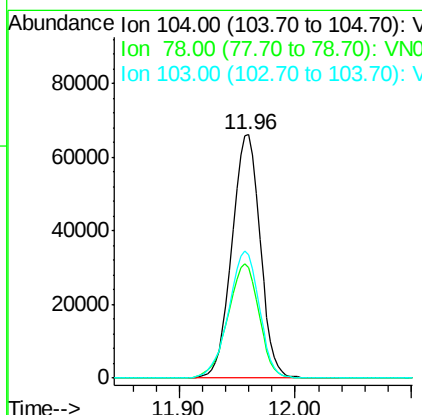
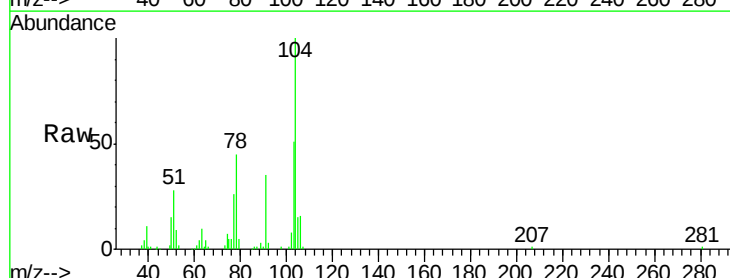
Manual Integrations
APPROVED

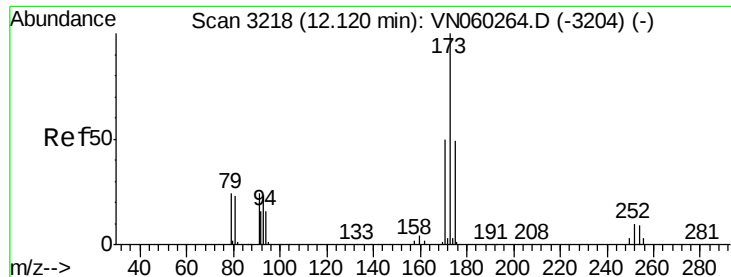
MMDadoda
3/11/2020 3:23:11 PM



#70
Styrene
Concen: 17.494 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion:104 Resp: 111562
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.4 43.9 65.9





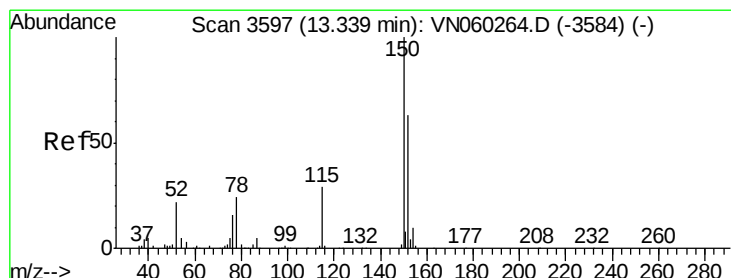
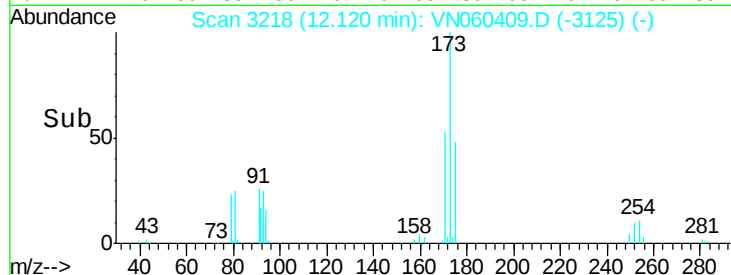
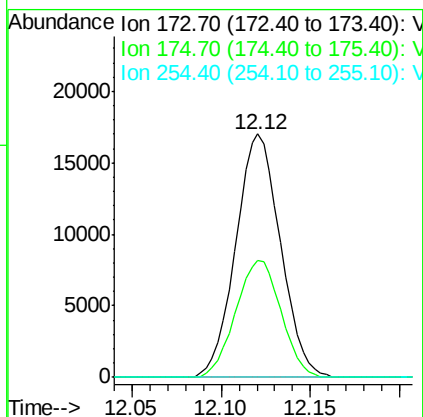
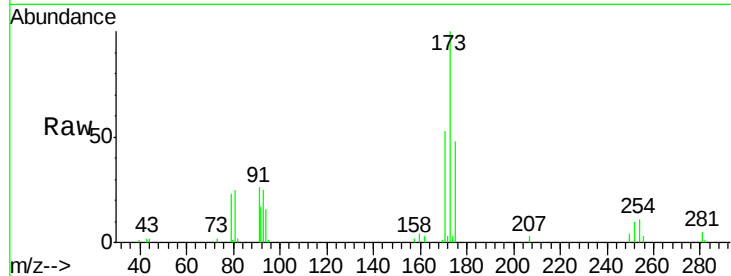
#71
Bromoform
Concen: 18.850 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.0	0.0

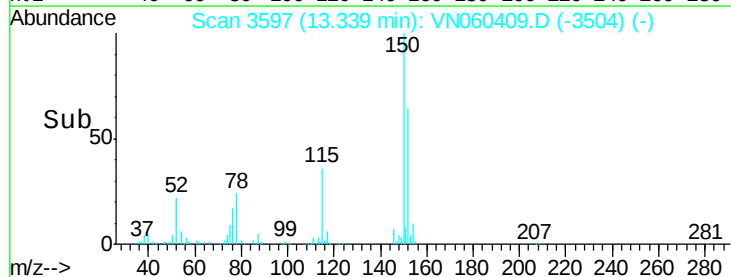
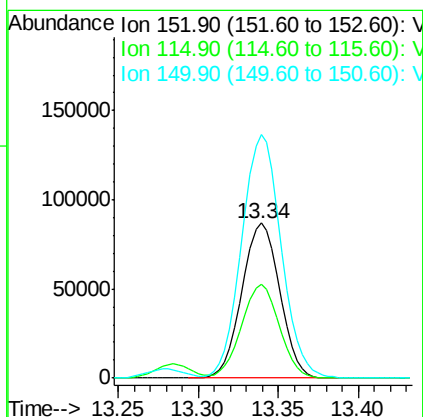
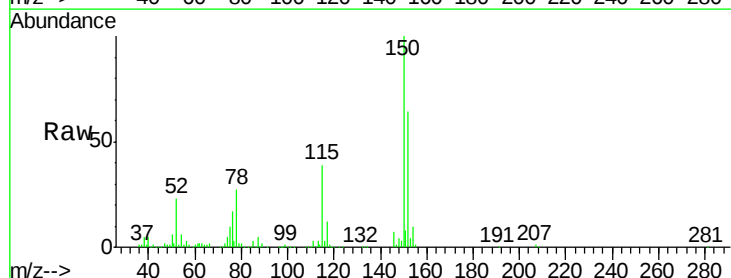
Manual Integrations
APPROVED

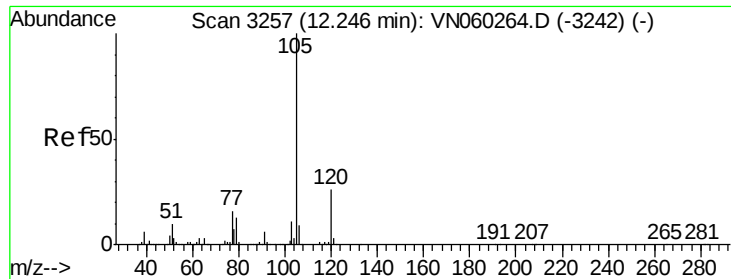
MMDadoda
3/11/2020 3:23:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	163.9	0.0	349.6





#73

Isopropylbenzene

Concen: 18.116 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 105 Resp: 188526

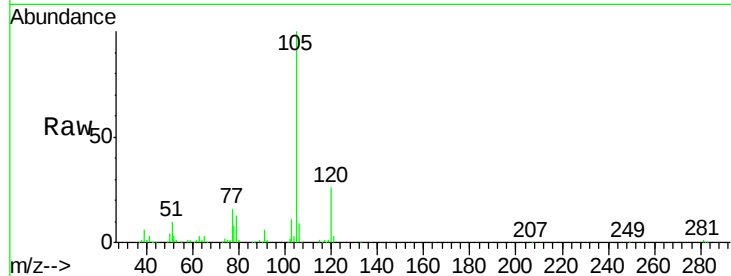
Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9

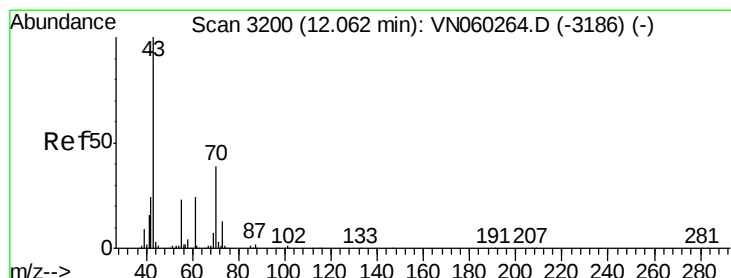
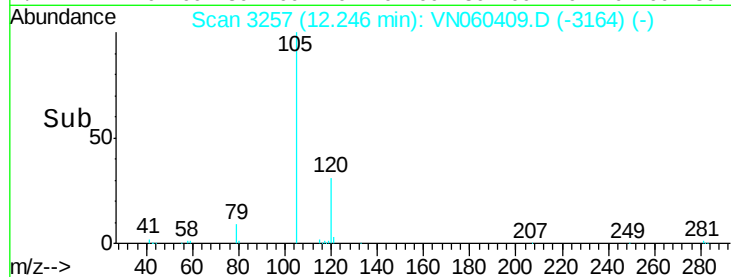
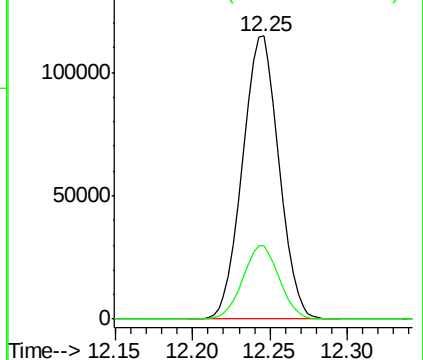
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.779 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion: 43 Resp: 85396

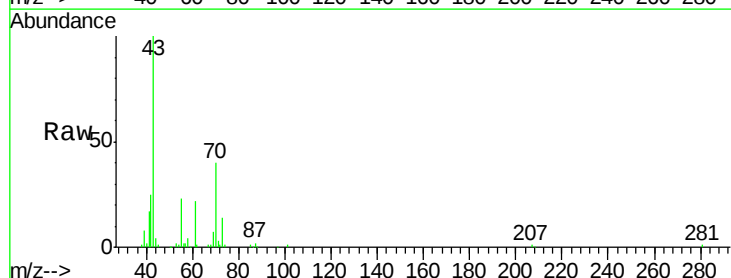
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.2

55 23.3 18.2 27.4

61 23.0 19.2 28.8

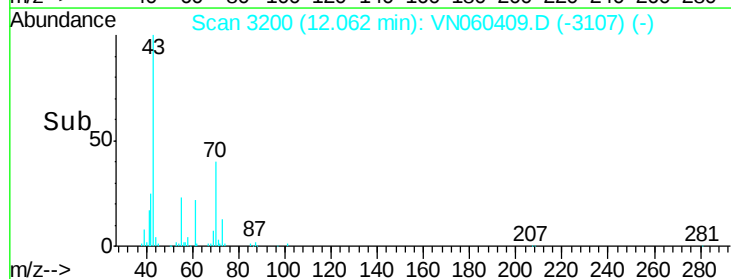
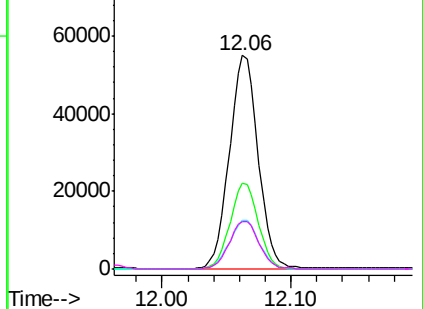


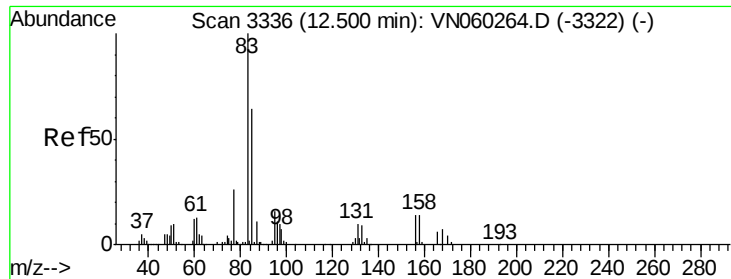
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.152 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

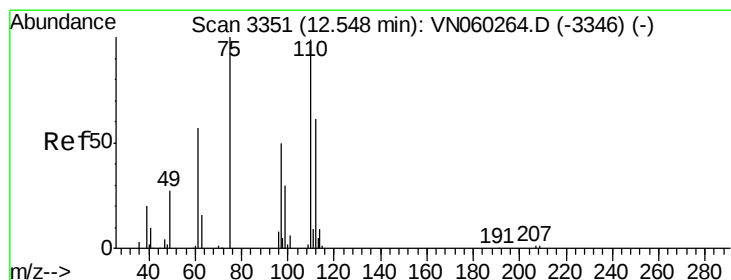
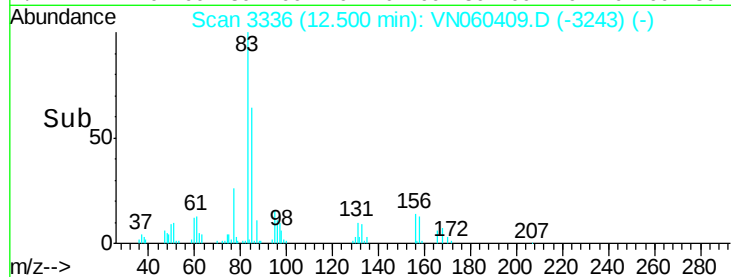
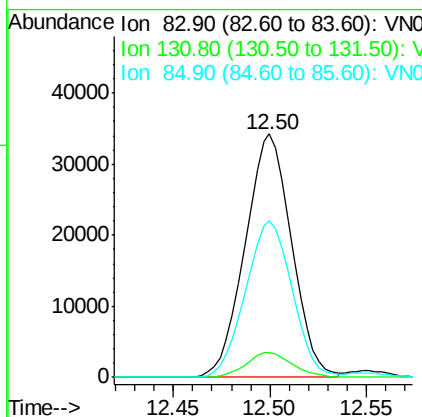
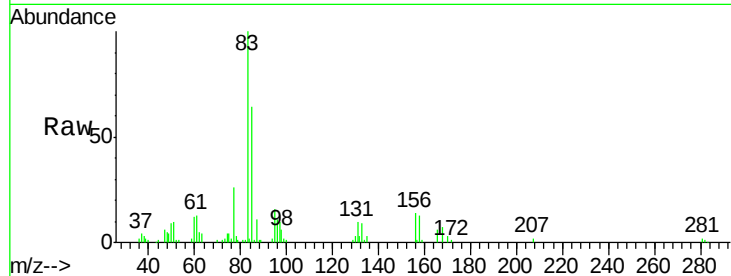
ClientSampleId :

VN0310WBSD01

Tot Ion:	83	Resp:	57005
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#76

1,2,3-Trichloropropane

Concen: 16.464 ug/l m

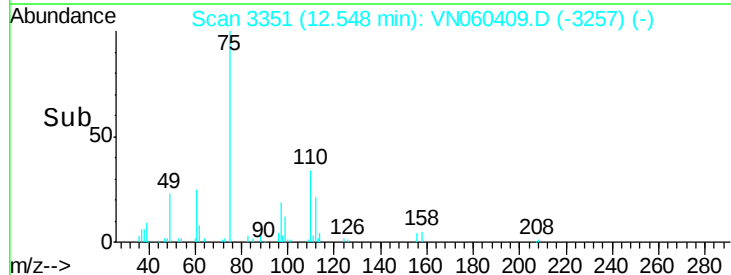
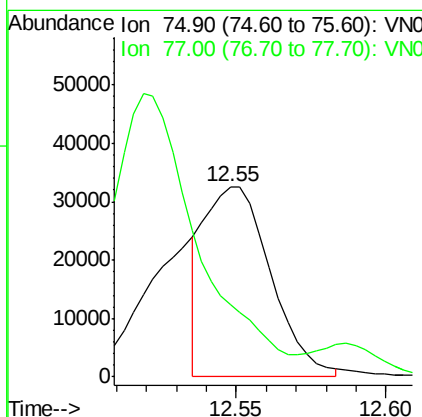
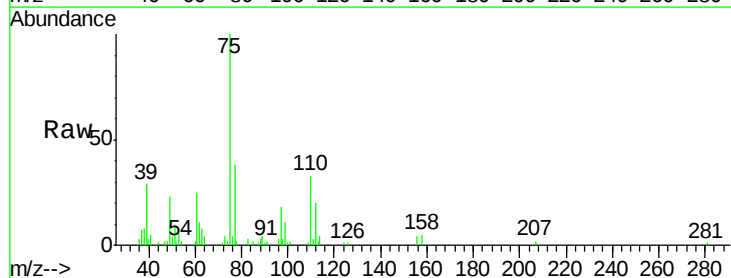
RT: 12.55 min Scan# 3351

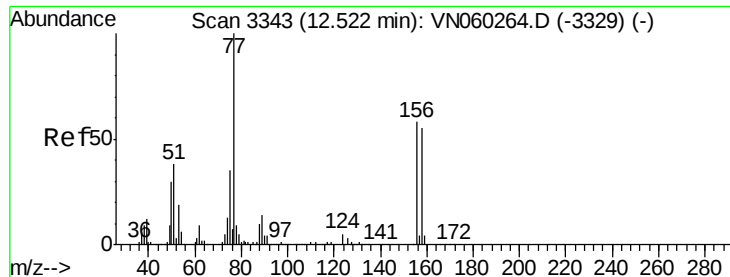
Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	75	Resp:	50717
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.984 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion:156 Resp: 45875

Ion Ratio Lower Upper

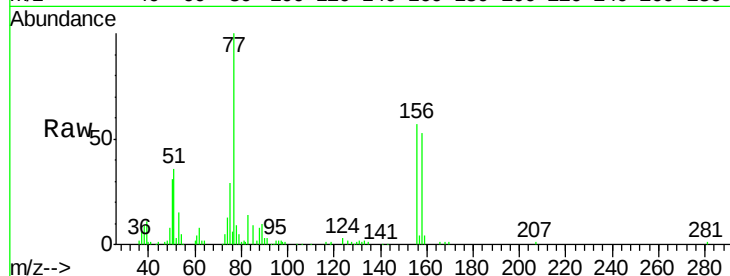
156 100

77 216.7 106.1 318.3

158 96.0 48.3 144.8

Manual Integrations
APPROVED

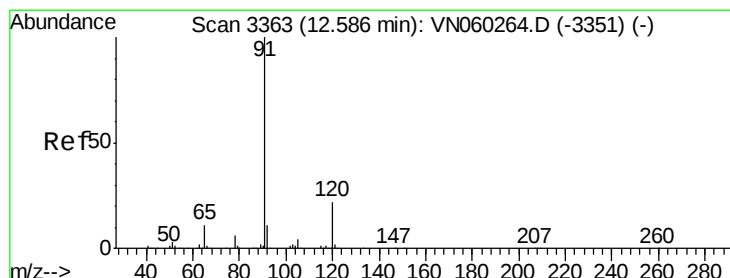
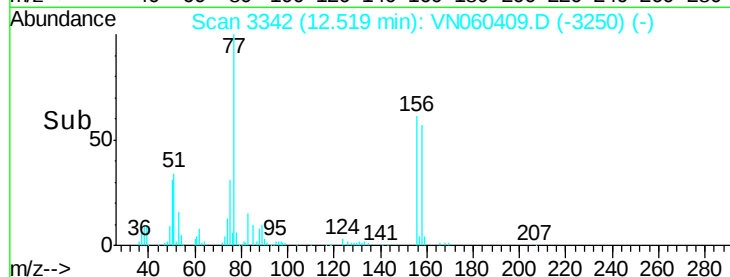
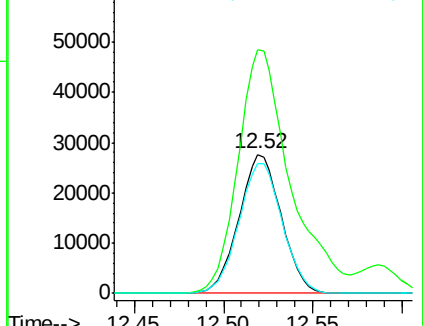
MMDadoda
3/11/2020 3:23:11 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.870 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060409.D

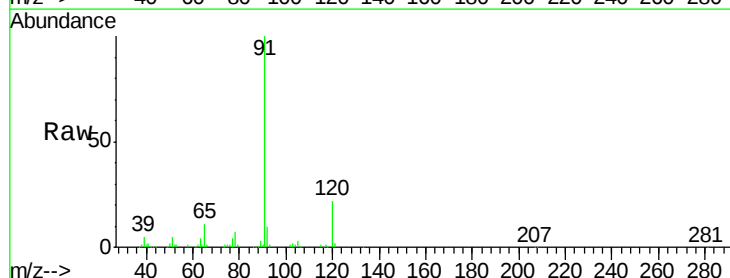
Acq: 10 Mar 2020 12:22

Tgt Ion: 91 Resp: 217987

Ion Ratio Lower Upper

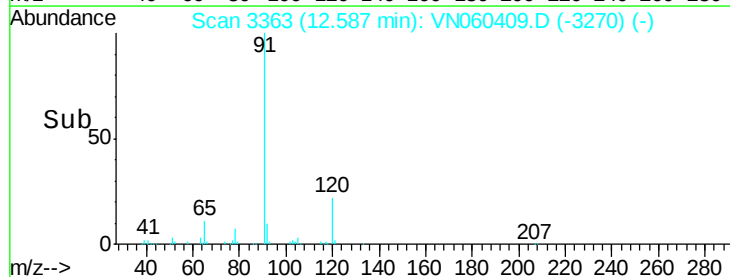
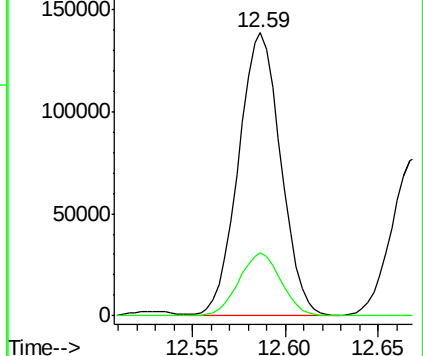
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.060 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBSD01

Tot Ion: 91 Resp: 129501

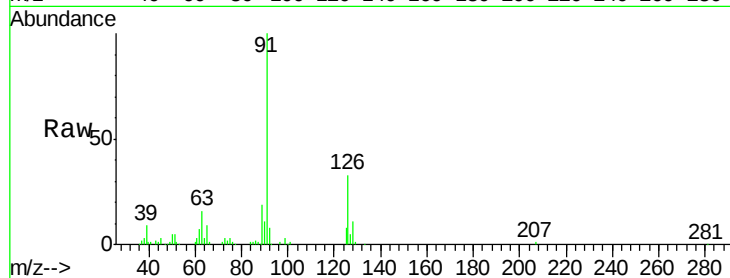
Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8

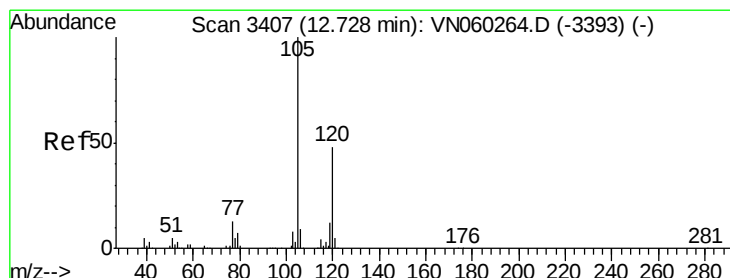
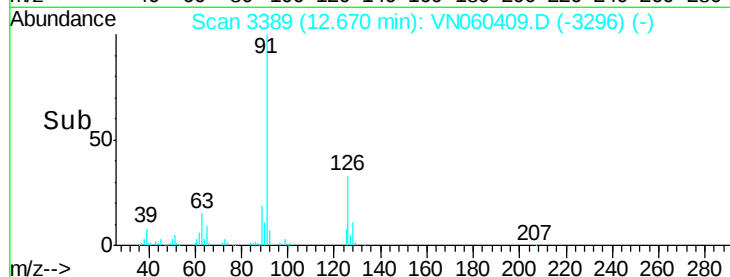
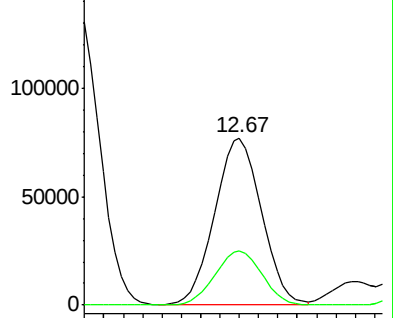
Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060409.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060409.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.927 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060409.D

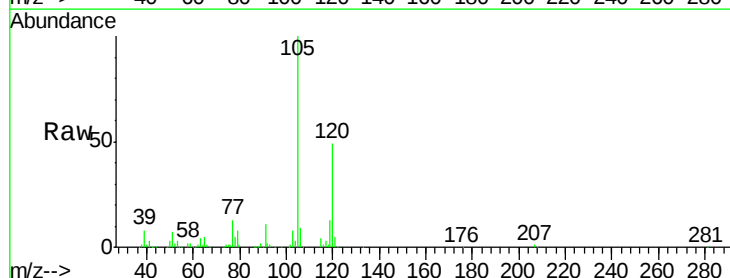
Acq: 10 Mar 2020 12:22

Tgt Ion: 105 Resp: 157070

Ion Ratio Lower Upper

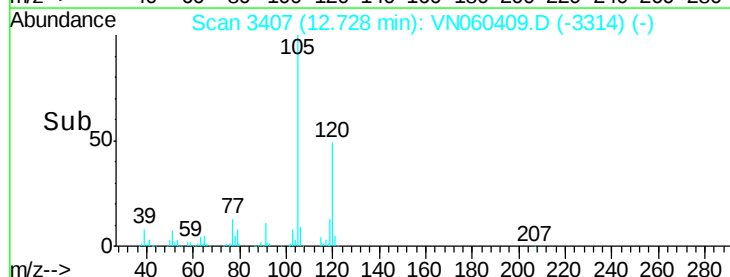
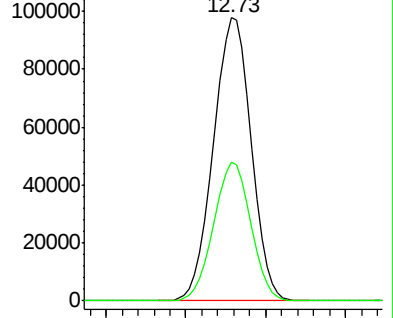
105 100

120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060409.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060409.D (-3314) (-)





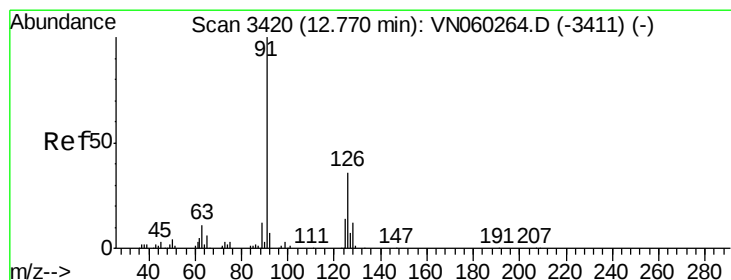
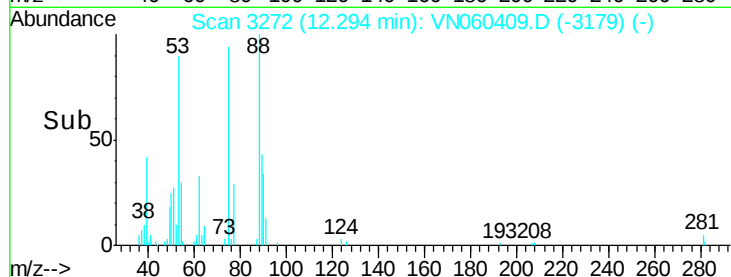
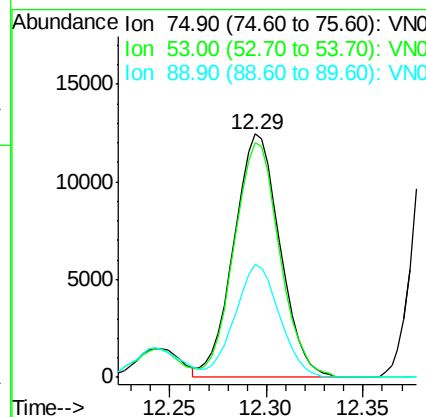
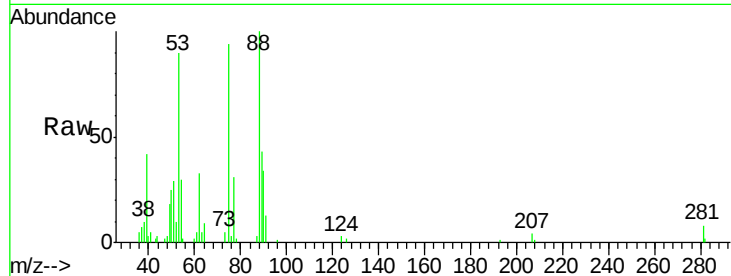
#81
trans-1,4-Dichloro-2-butene
Concen: 18.501 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	73.8	110.6
89	45.2	57.1	85.7#

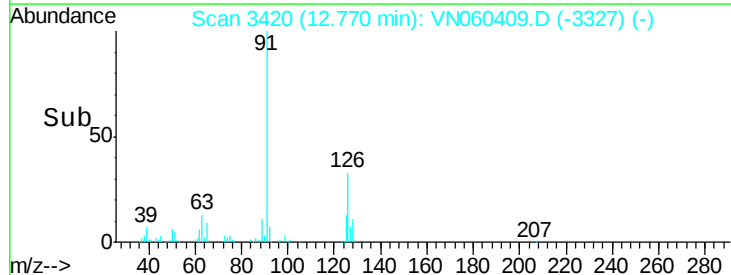
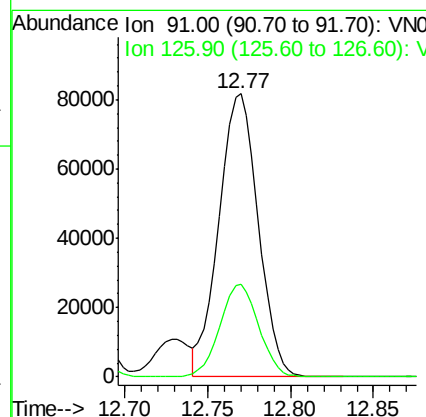
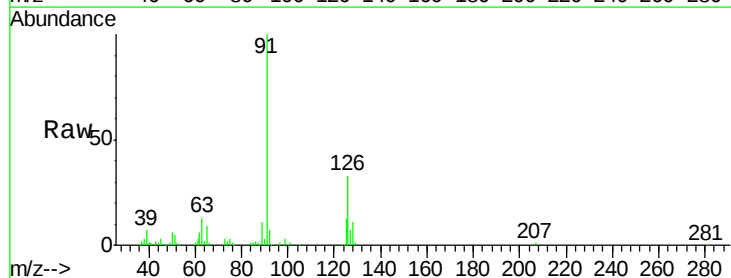
Manual Integrations
APPROVED

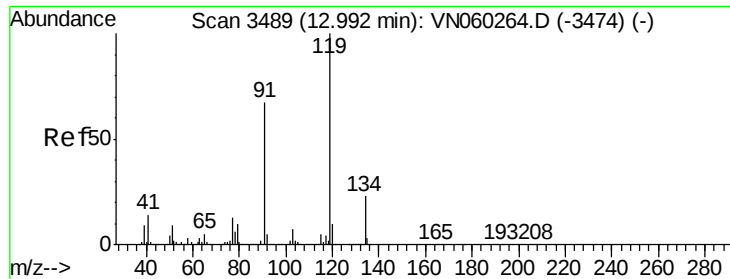
MMDadoda
3/11/2020 3:23:11 PM



#82
4-Chlorotoluene
Concen: 17.806 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





#83

tert-Butylbenzene

Concen: 17.476 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

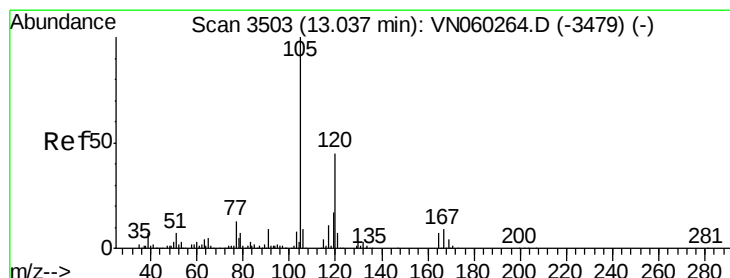
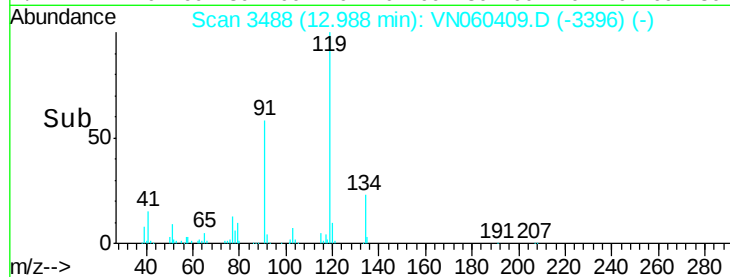
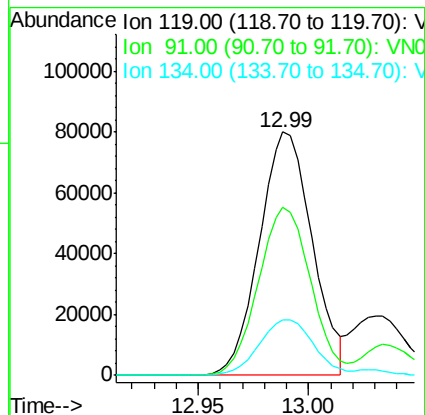
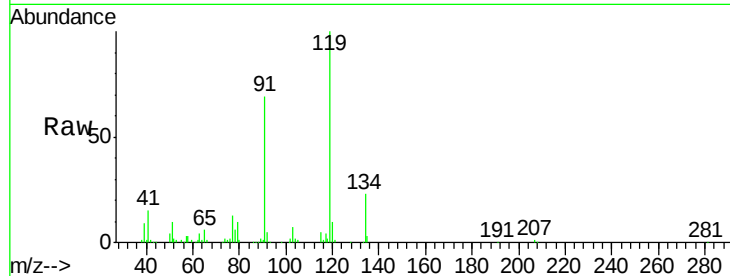
ClientSampleId :

VN0310WBSD01

Tot Ion:	119	Resp:	132572
Ion Ratio	Lower	Upper	
119	100		
91	68.4	33.1	99.2
134	23.7	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#84

1,2,4-Trimethylbenzene

Concen: 17.792 ug/l

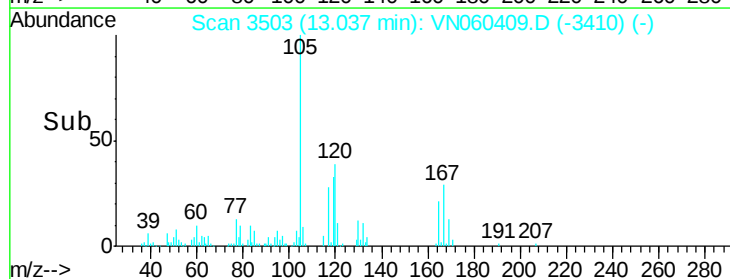
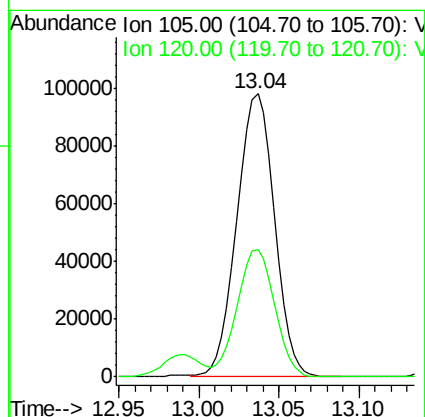
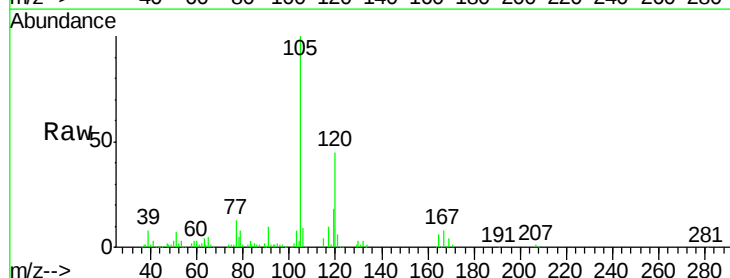
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	105	Resp:	157347
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.3	66.9





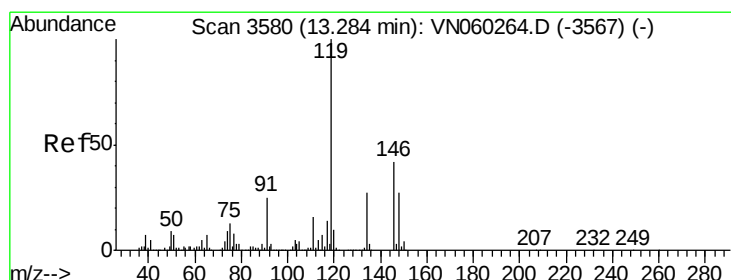
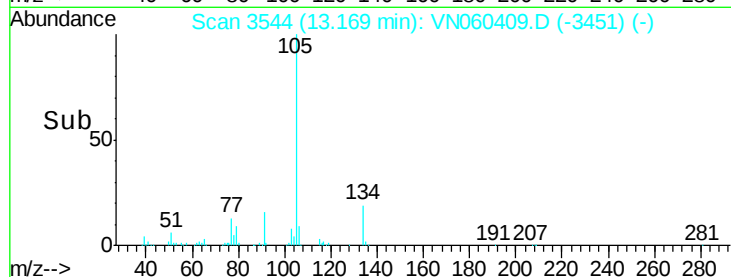
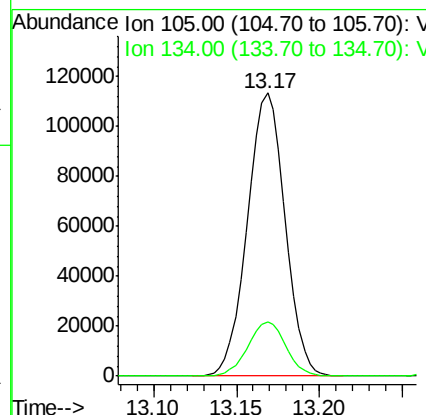
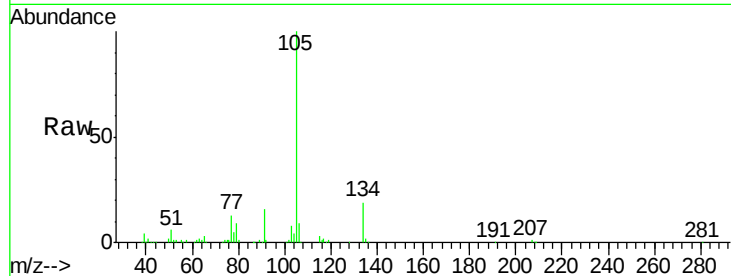
#85
 sec-Butylbenzene
 Concen: 17.681 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	179617		
134	19.3	9.8	29.5	

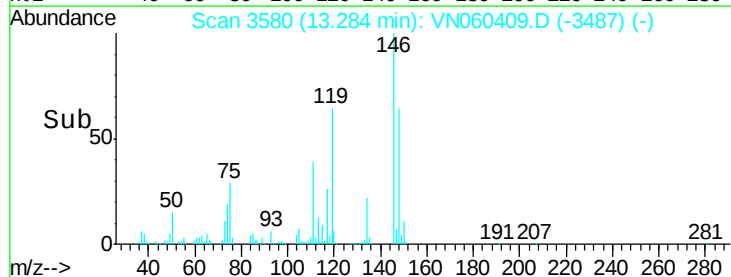
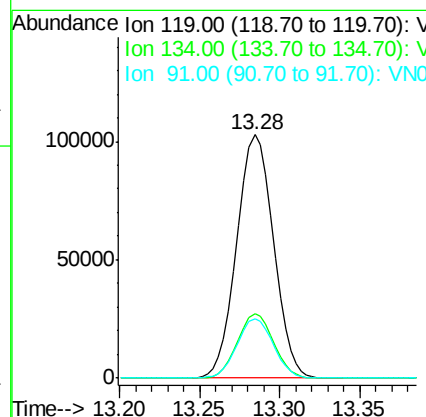
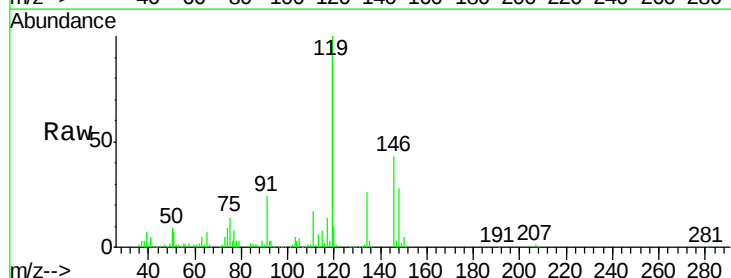
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#86
 p-Isopropyltoluene
 Concen: 17.143 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	161186		
134	26.0	13.2	39.6	
91	24.2	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.501 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060409.D

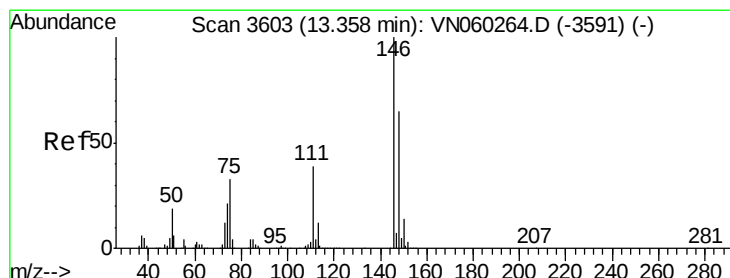
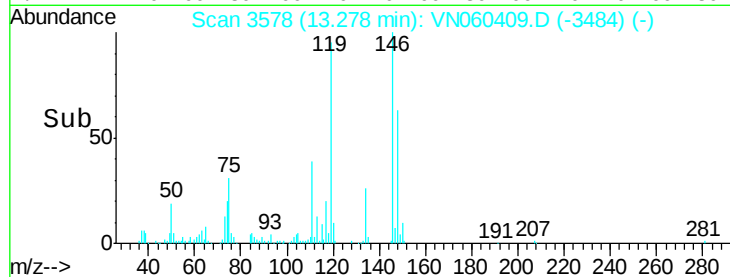
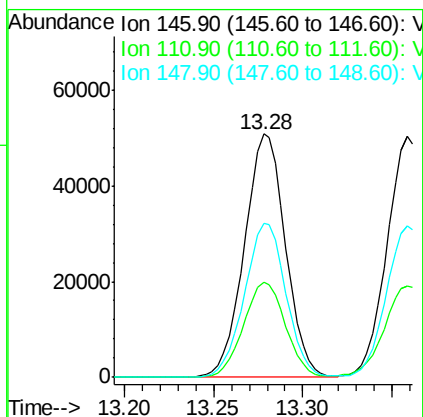
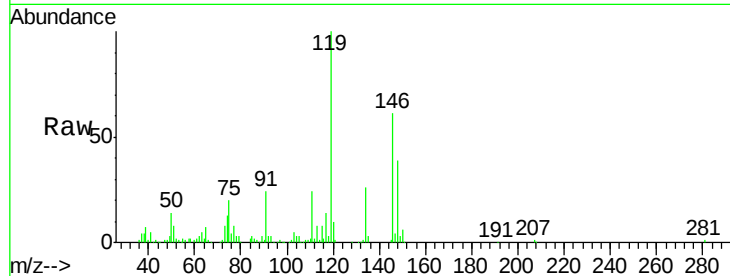
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.0	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#88

1,4-Dichlorobenzene

Concen: 18.498 ug/l

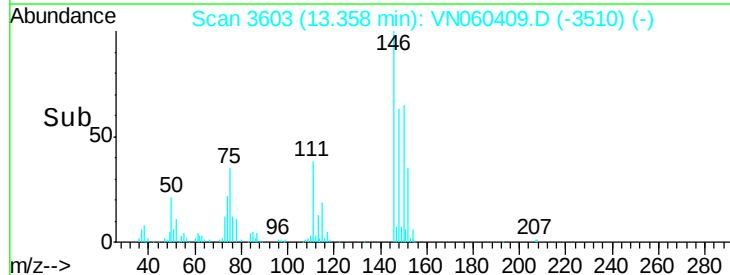
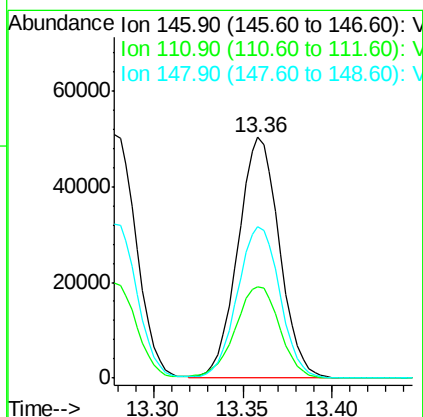
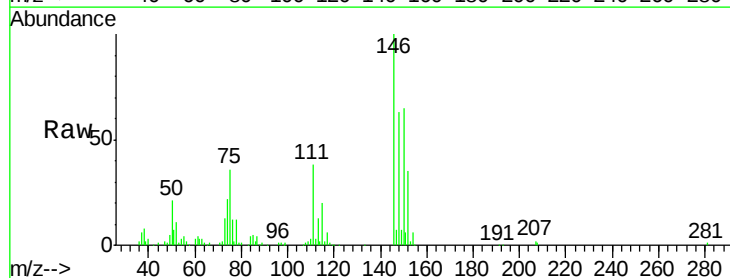
RT: 13.36 min Scan# 3603

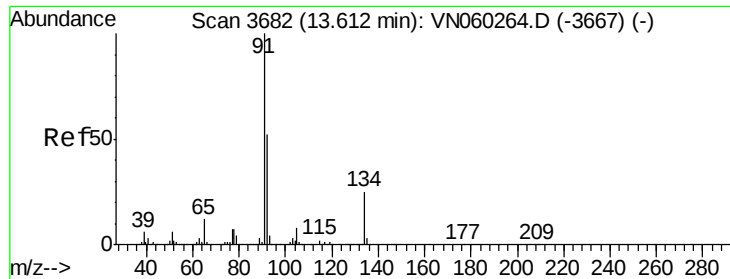
Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	64.4	32.3	96.9





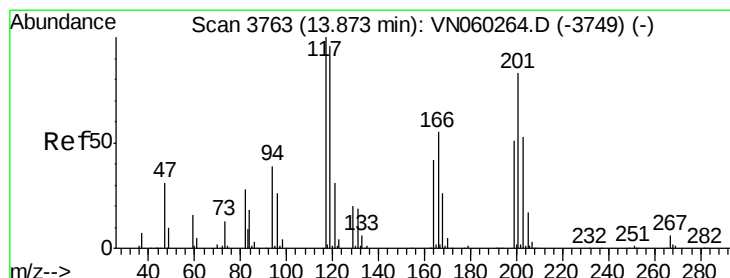
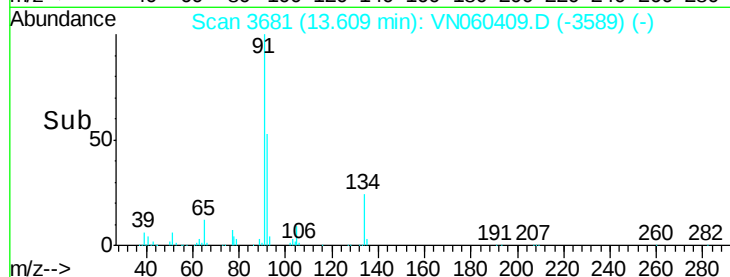
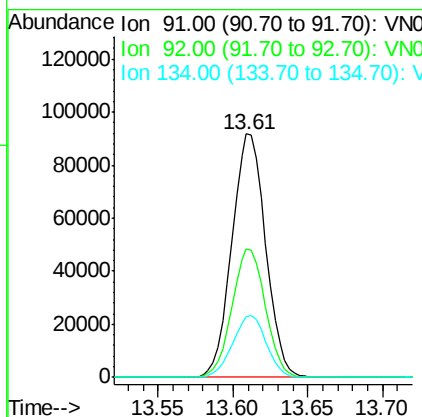
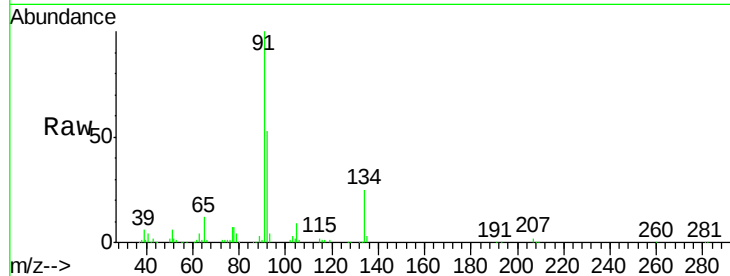
#89
n-Butylbenzene
Concen: 16.699 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	25.3	12.7	38.1

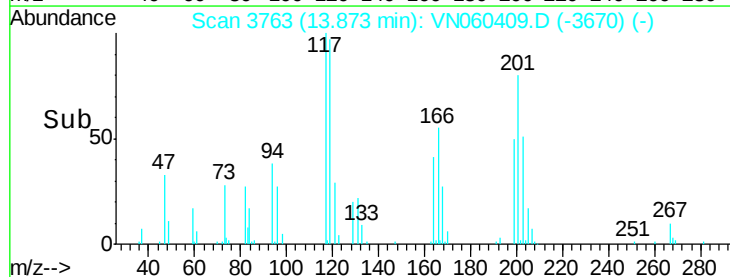
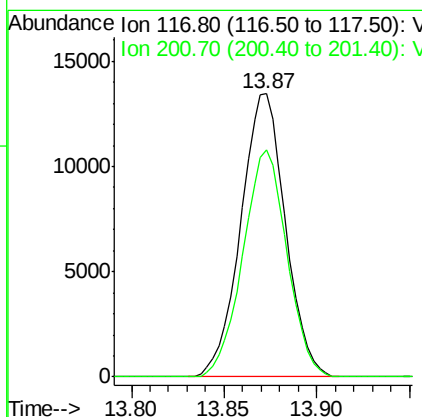
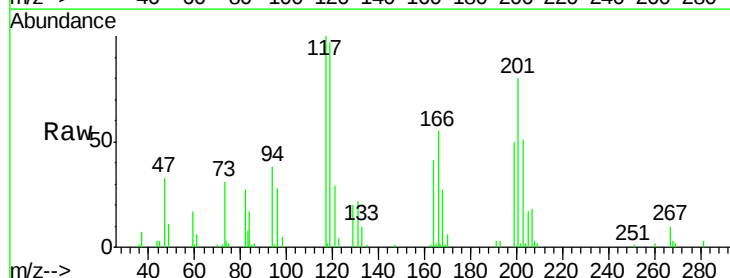
Manual Integrations
APPROVED

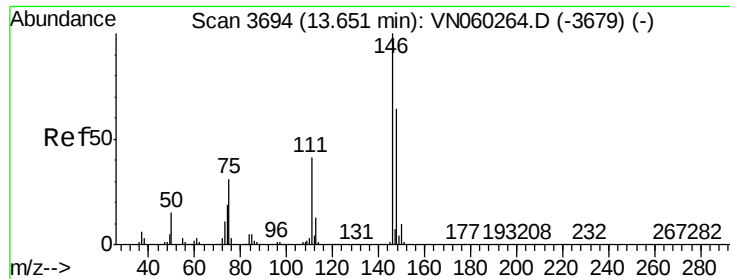
MMDadoda
3/11/2020 3:23:11 PM



#90
Hexachloroethane
Concen: 16.577 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060409.D
Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	41.0	123.0





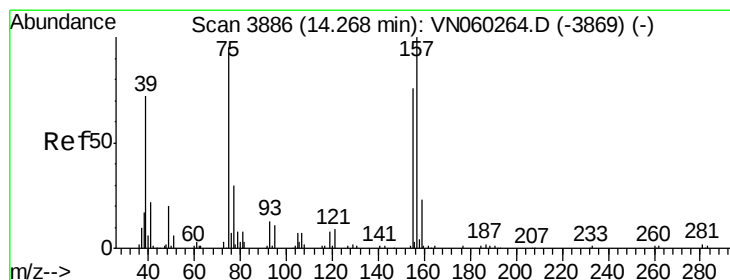
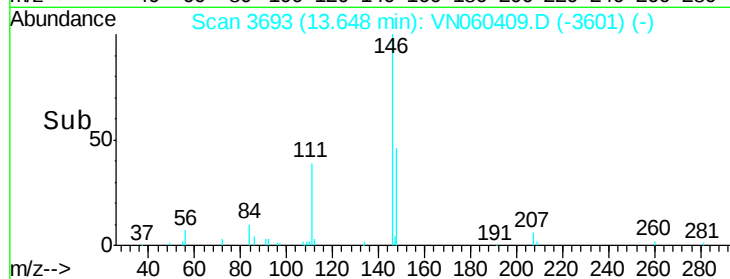
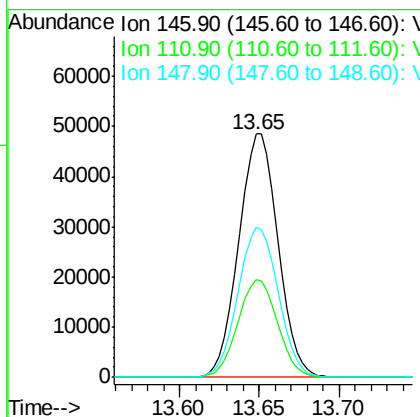
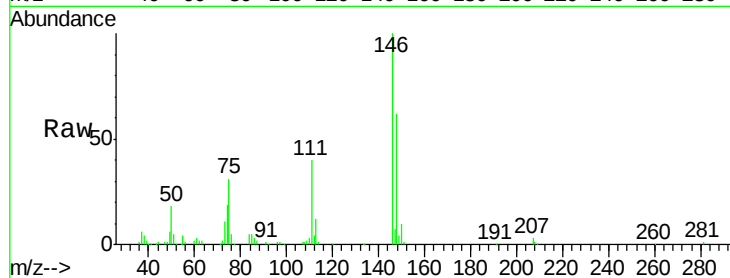
#91
 1,2-Dichlorobenzene
 Concen: 18.190 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	61.0
148	63.1	31.8	95.3

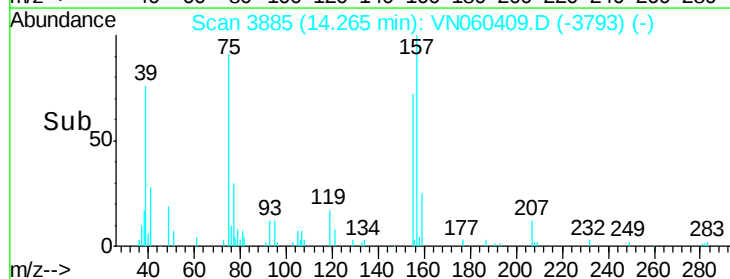
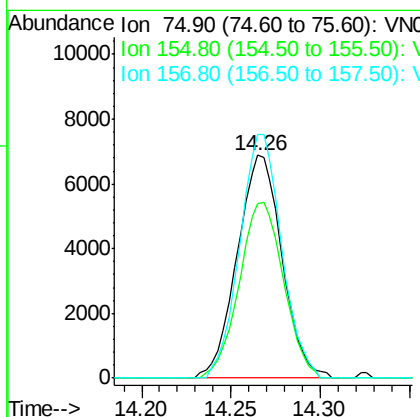
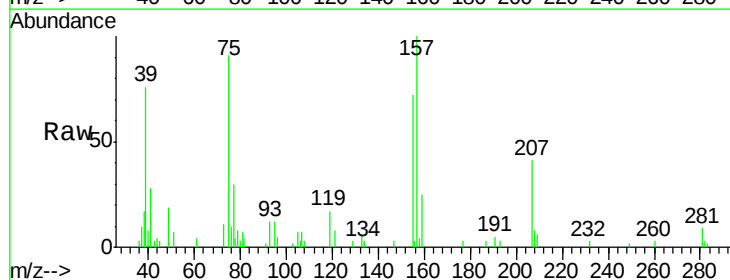
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.792 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.4	121.2
157	101.9	52.5	157.5





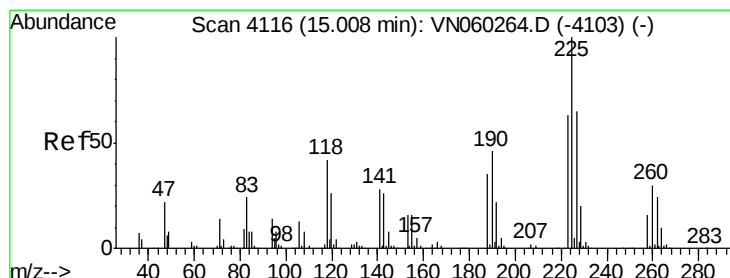
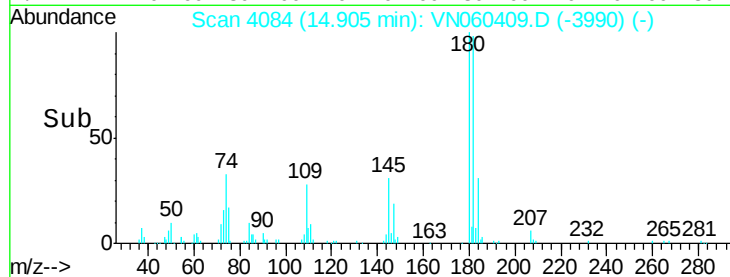
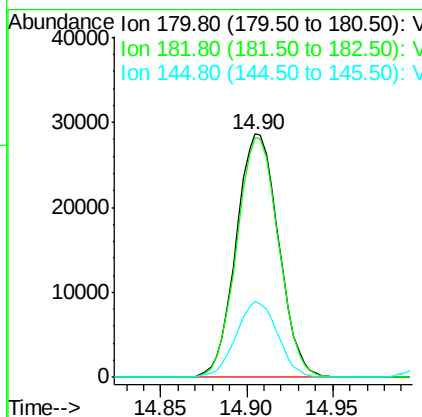
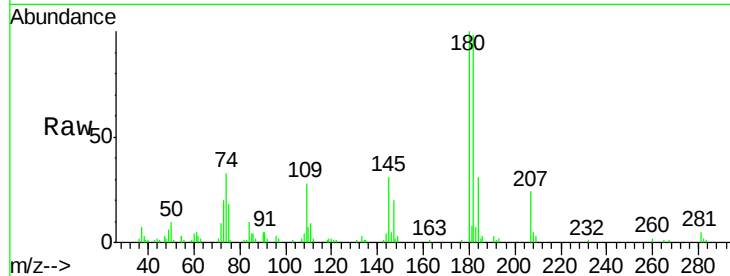
#93
 1,2,4-Trichlorobenzene
 Concen: 17.294 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48955		
182	97.2	47.8	143.3	
145	30.5	15.4	46.1	

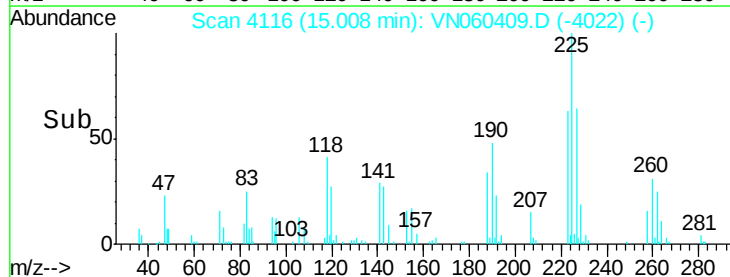
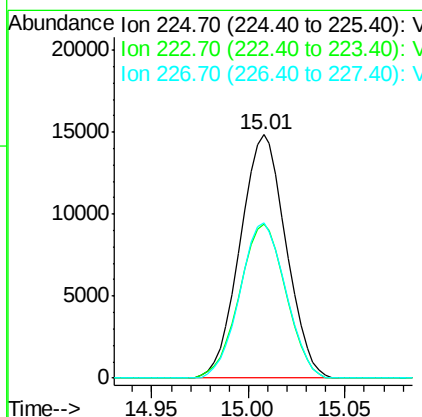
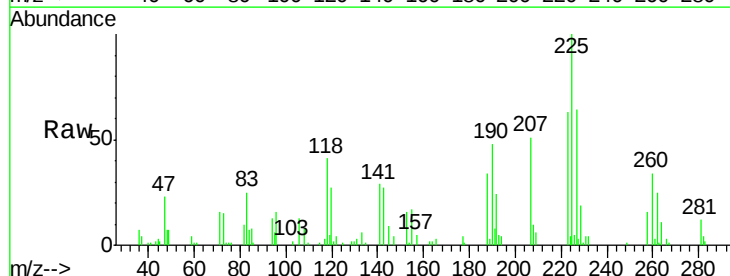
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM



#94
 Hexachlorobutadiene
 Concen: 18.358 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060409.D
 Acq: 10 Mar 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24441		
223	63.9	31.3	93.9	
227	63.8	32.3	96.9	





#95

Naphthalene

Concen: 17.424 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Instrument :

MSVOA_N

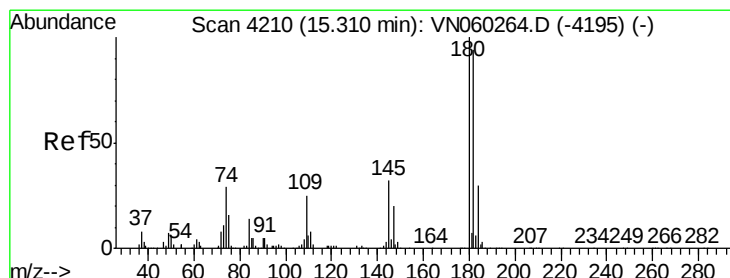
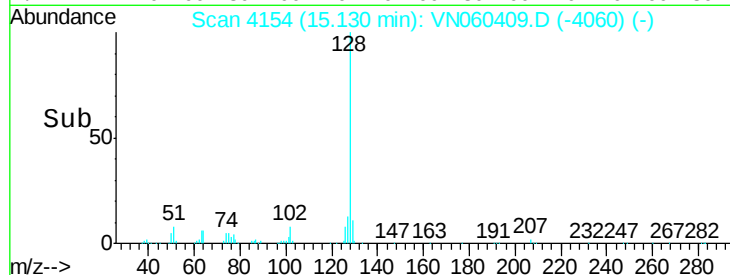
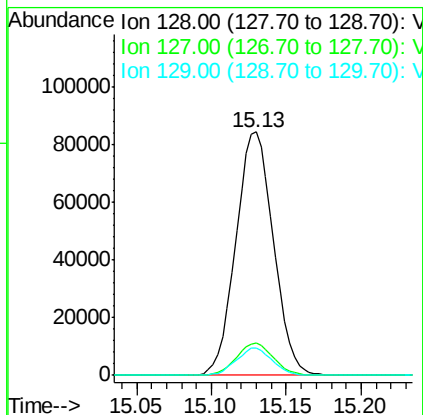
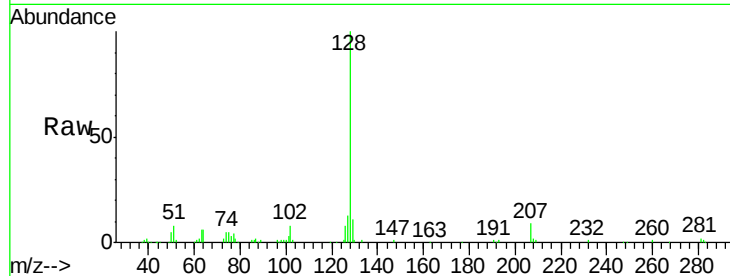
ClientSampleId :

VN0310WBSD01

Tot Ion:	128	Resp:	147243
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.995 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060409.D

Acq: 10 Mar 2020 12:22

Tgt Ion:	180	Resp:	48446
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	142.0
145	32.7	16.2	48.5

