

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061686.D
 Acq On : 8 Jun 2020 10:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:01 PM

Quant Time: Jun 09 03:26:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	566309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	540369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	280750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	181646	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	
35) Dibromofluoromethane	7.54	113	139976	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.06	98	627039	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.37	95	228500	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	190880	45.334	ug/l	97
3) Chloromethane	2.03	50	186838	41.904	ug/l	100
4) Vinyl Chloride	2.16	62	257980	42.223	ug/l	99
5) Bromomethane	2.52	94	160511	45.782	ug/l	100
6) Chloroethane	2.67	64	169115	43.001	ug/l	100
7) Trichlorofluoromethane	2.98	101	323954	41.116	ug/l	99
8) Diethyl Ether	3.37	74	106114	44.044	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	168517	48.198	ug/l	96
10) Methyl Iodide	3.91	142	222423	45.826	ug/l	98
11) Tert butyl alcohol	4.72	59	129218	223.050	ug/l	99
12) 1,1-Dichloroethene	3.69	96	165782	44.381	ug/l	93
13) Acrolein	3.56	56	41776	248.783	ug/l	99
14) Allyl chloride	4.27	41	203716	41.715	ug/l	98
15) Acrylonitrile	4.92	53	342857	212.032	ug/l	100
16) Acetone	3.77	43	281004	233.697	ug/l	96
17) Carbon Disulfide	4.01	76	329603	40.106	ug/l	98
18) Methyl Acetate	4.27	43	164667	41.764	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	551263	43.302	ug/l	99
20) Methylene Chloride	4.50	84	188364	47.495	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	187538	44.519	ug/l	94
22) Diisopropyl ether	5.90	45	480346	44.628	ug/l	99
23) Vinyl Acetate	5.84	43	1762122	205.408	ug/l	98
24) 1,1-Dichloroethane	5.79	63	307992	45.126	ug/l	99
25) 2-Butanone	6.78	43	414925	201.014	ug/l	95
26) 2,2-Dichloropropane	6.77	77	286811	45.913	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	221300	46.393	ug/l	98
28) Bromochloromethane	7.15	49	131752	51.461	ug/l	96
29) Tetrahydrofuran	7.16	42	270890	199.016	ug/l	98
30) Chloroform	7.32	83	349443	46.278	ug/l	99
31) Cyclohexane	7.61	56	257928	42.020	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	312070	45.357	ug/l	99
36) 1,1-Dichloropropene	7.75	75	246522	49.173	ug/l	99
37) Ethyl Acetate	6.88	43	180491	44.700	ug/l	97
38) Carbon Tetrachloride	7.73	117	257634	53.277	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061686.D
 Acq On : 8 Jun 2020 10:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:01 PM

Quant Time: Jun 09 03:26:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	292492	47.335	ug/l	98
40) Benzene	8.00	78	765942	49.517	ug/l	100
41) Methacrylonitrile	7.12	41	76165	41.170	ug/l	97
42) 1,2-Dichloroethane	8.08	62	246573	47.614	ug/l	100
43) Isopropyl Acetate	8.12	43	317716	43.735	ug/l	97
44) Trichloroethene	8.80	130	235517	49.543	ug/l	95
45) 1,2-Dichloropropane	9.08	63	182650	49.727	ug/l	99
46) Dibromomethane	9.17	93	135285	48.024	ug/l	95
47) Bromodichloromethane	9.37	83	281956	50.519	ug/l	100
48) Methyl methacrylate	9.17	41	136278	41.695	ug/l	97
49) 1,4-Dioxane	9.16	88	60829	1201.346	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	911041	222.542	ug/l	98
52) Toluene	10.12	92	513516	50.863	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	298792	49.696	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	323929	50.108	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	203267	50.535	ug/l	98
56) Ethyl methacrylate	10.40	69	269601	47.982	ug/l	98
57) 1,3-Dichloropropane	10.68	76	320998	49.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	581784	242.293	ug/l	99
59) 2-Hexanone	10.72	43	648626	220.617	ug/l	98
60) Dibromochloromethane	10.87	129	241110	52.727	ug/l	99
61) 1,2-Dibromoethane	10.98	107	210169	50.099	ug/l	99
64) Tetrachloroethene	10.60	164	261633	51.436	ug/l	97
65) Chlorobenzene	11.40	112	567646	50.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	217009	51.887	ug/l	98
67) Ethyl Benzene	11.48	91	983731	50.672	ug/l	100
68) m/p-Xylenes	11.59	106	784106	101.863	ug/l	98
69) o-Xylene	11.92	106	371565	50.821	ug/l	100
70) Styrene	11.94	104	640662	52.914	ug/l	99
71) Bromoform	12.10	173	171326	53.161	ug/l #	99
73) Isopropylbenzene	12.22	105	991411	48.383	ug/l	99
74) N-amyl acetate	12.04	43	276603	42.863	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	252464	43.966	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	232588m	45.560	ug/l	
77) Bromobenzene	12.50	156	265439	50.748	ug/l	94
78) n-propylbenzene	12.56	91	1120641	48.988	ug/l	100
79) 2-Chlorotoluene	12.65	91	645497	47.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	829383	48.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	87491	43.826	ug/l	98
82) 4-Chlorotoluene	12.75	91	683018	47.597	ug/l	98
83) tert-Butylbenzene	12.97	119	722082	47.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	838895	49.305	ug/l	98
85) sec-Butylbenzene	13.15	105	928096	47.597	ug/l	99
86) p-Isopropyltoluene	13.26	119	873241	48.629	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	466473	50.363	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	475474	50.391	ug/l	98
89) n-Butylbenzene	13.59	91	723864	48.127	ug/l	99
90) Hexachloroethane	13.85	117	123642	62.260	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	446168	50.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	46117	39.379	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
Data File : VN061686.D
Acq On : 8 Jun 2020 10:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

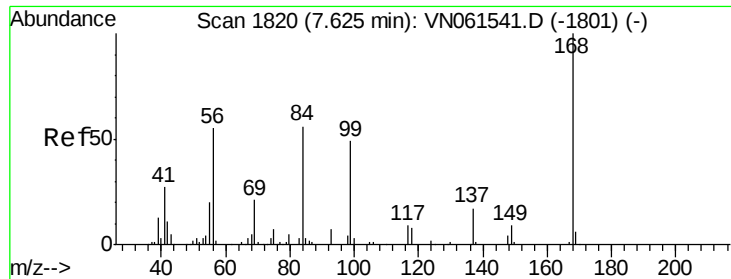
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM

Quant Time: Jun 09 03:26:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	265159	51.222	ug/l	98
94) Hexachlorobutadiene	14.98	225	109271	49.493	ug/l	99
95) Naphthalene	15.10	128	716963	45.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	254956	50.092	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 365561

Ion Ratio Lower Upper

168 100

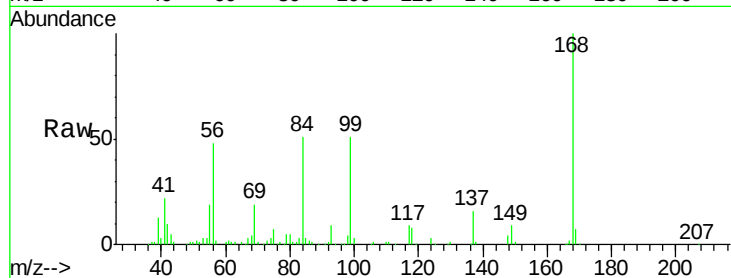
99 51.1 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

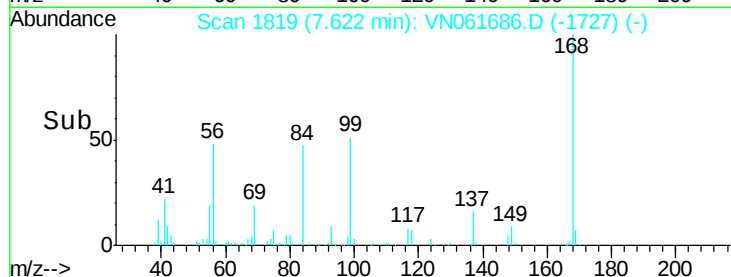
100000

50000

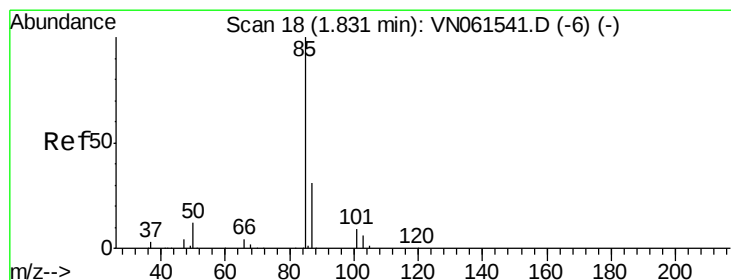
0

7.50 7.60 7.70

7.62



Time-->



#2

Dichlorodifluoromethane

Concen: 45.334 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061686.D

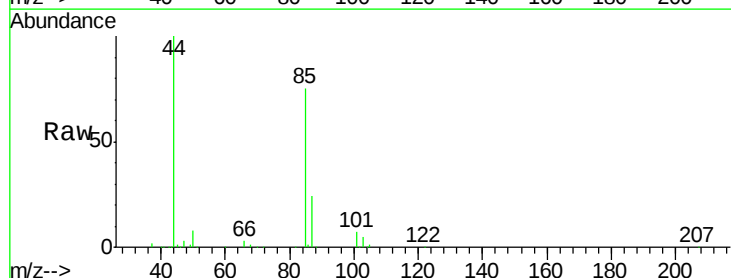
Acq: 8 Jun 2020 10:54

Tgt Ion: 85 Resp: 190880

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

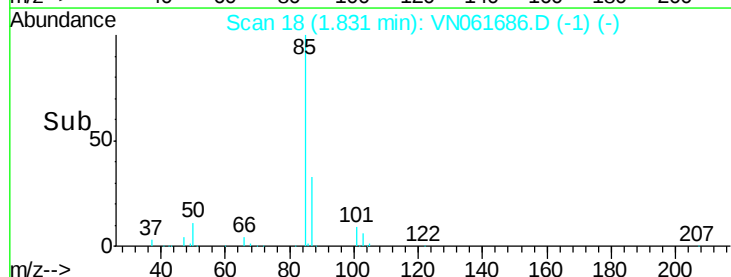
100000

50000

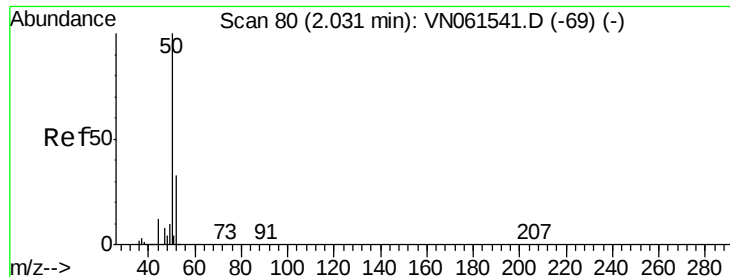
0

1.75 1.80 1.85 1.90

1.83



Time-->



#3

Chloromethane

Concen: 41.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 186838

Ion Ratio Lower Upper

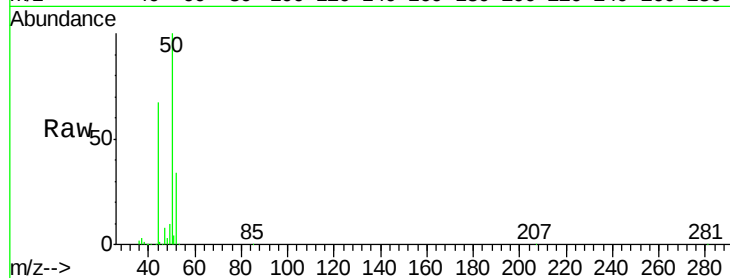
50 100

52 33.6 26.7 40.1

Manual Integrations
APPROVED

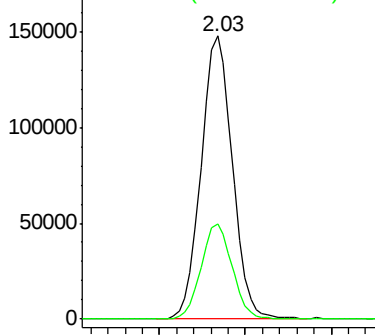
MMDadoda

6/9/2020 1:46:01 PM

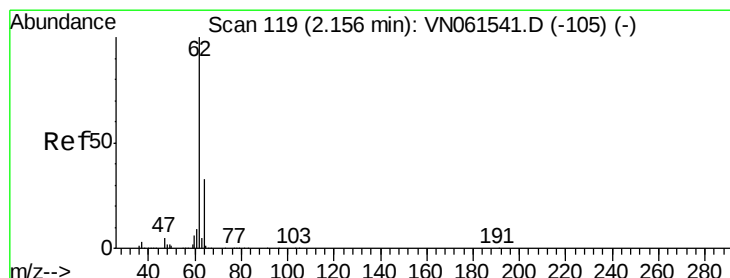
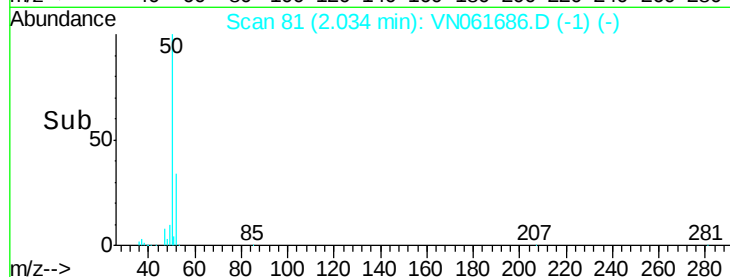


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 42.223 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061686.D

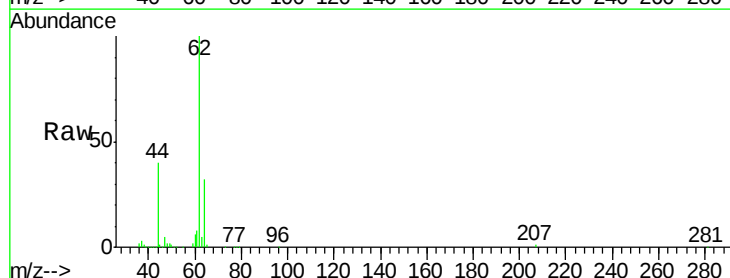
Acq: 8 Jun 2020 10:54

Tgt Ion: 62 Resp: 257980

Ion Ratio Lower Upper

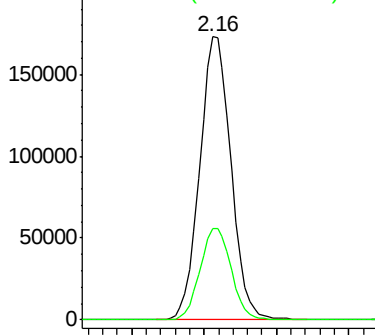
62 100

64 32.1 26.2 39.2

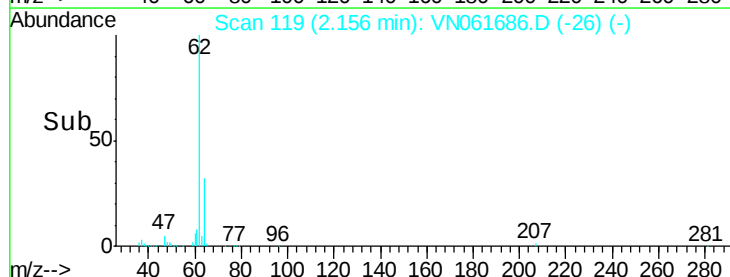


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 45.782 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 160511

Ion Ratio Lower Upper

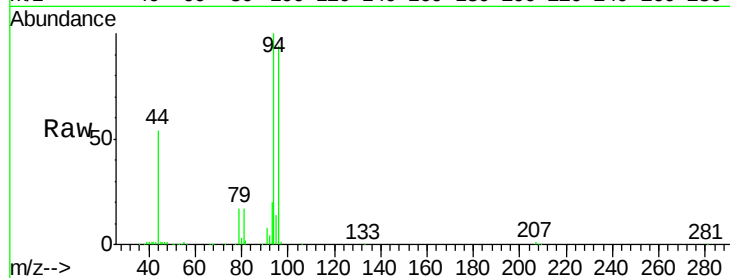
94 100

96 93.7 74.8 112.2

Manual Integrations
APPROVED

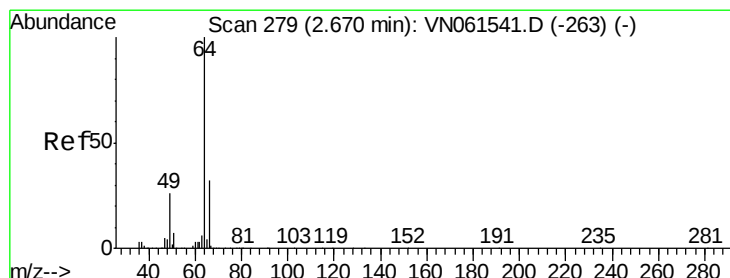
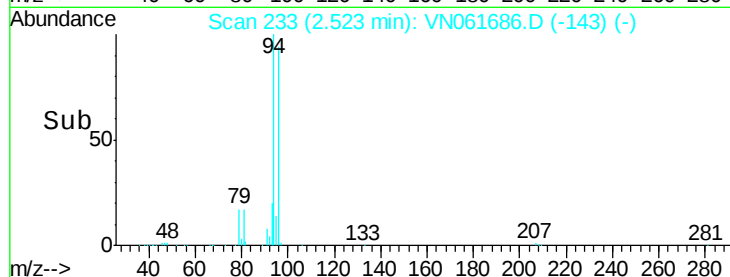
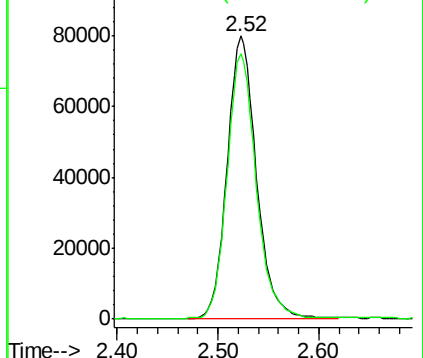
MMDadoda

6/9/2020 1:46:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.001 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061686.D

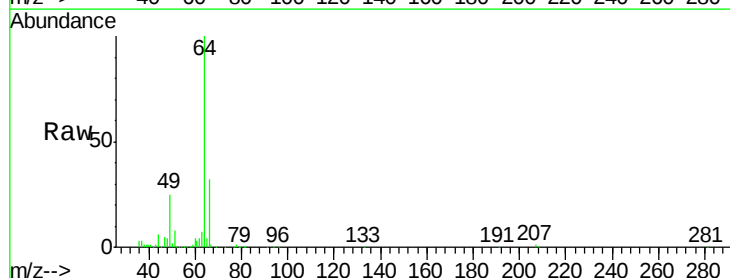
Acq: 8 Jun 2020 10:54

Tgt Ion: 64 Resp: 169115

Ion Ratio Lower Upper

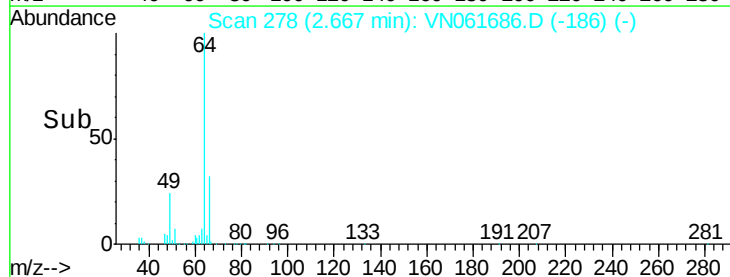
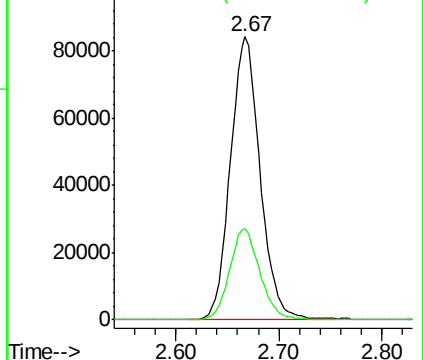
64 100

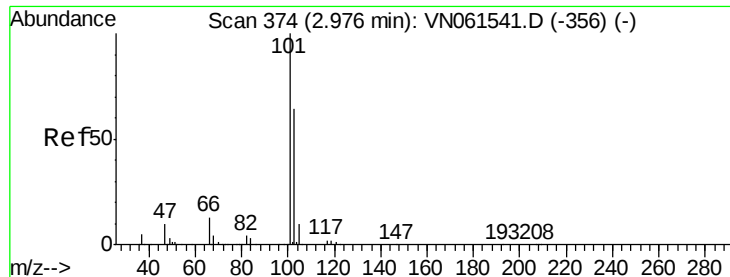
66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

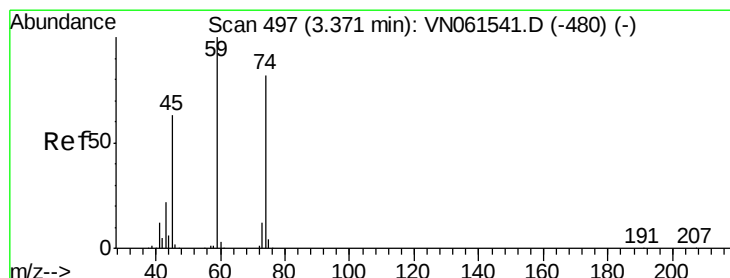
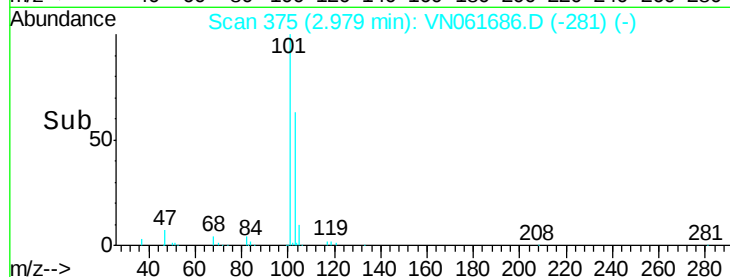
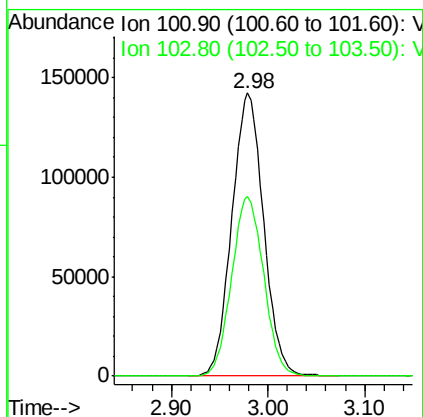
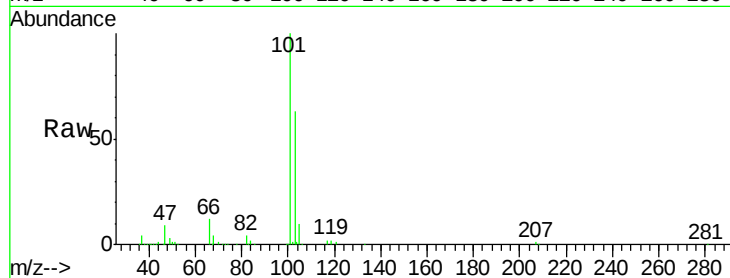
Trichlorofluoromethane
Concen: 41.116 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

Manual Integrations
APPROVED

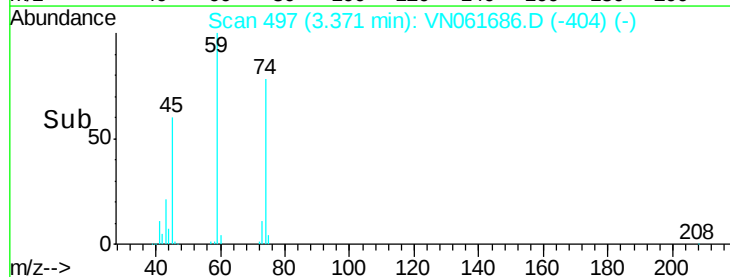
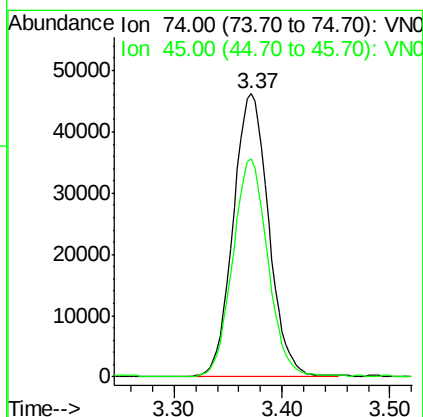
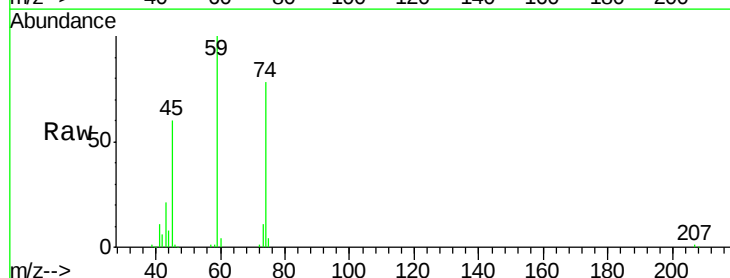
MMDadoda
6/9/2020 1:46:01 PM

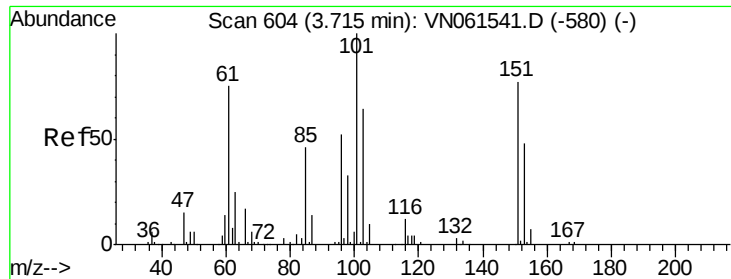


#8

Diethyl Ether
Concen: 44.044 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.4	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.198 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

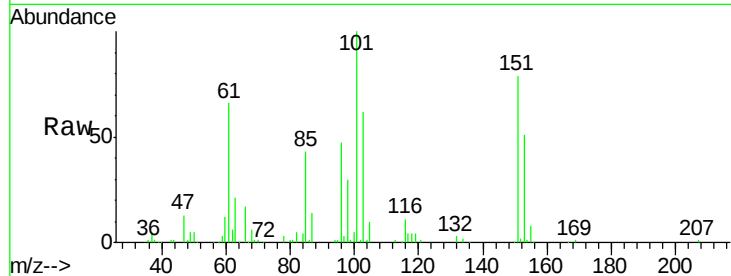
ClientSampleId :

VSTDCCC050

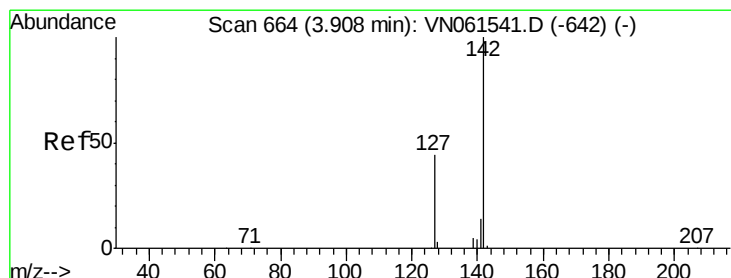
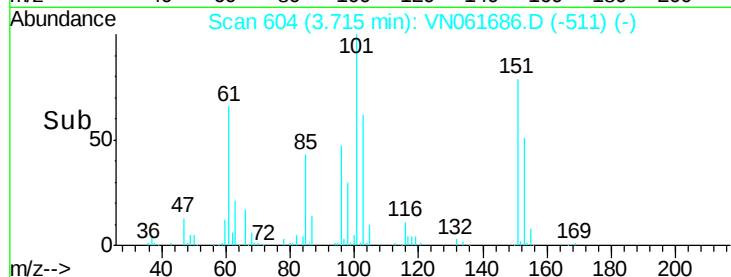
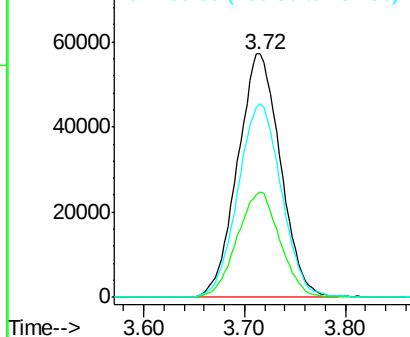
Tot Ion:	101	Resp:	168517
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.2	52.8
151	80.7	61.0	91.6

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 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: 45.826 ug/l

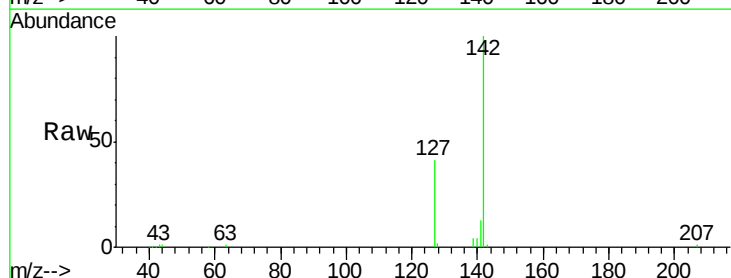
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

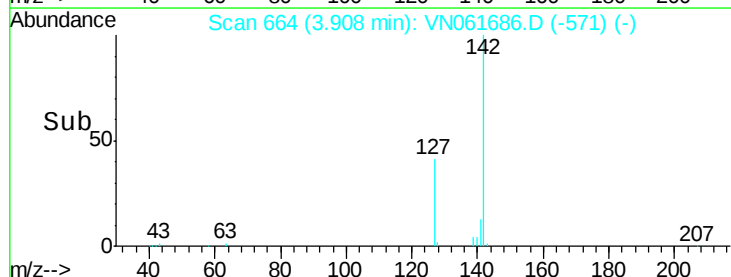
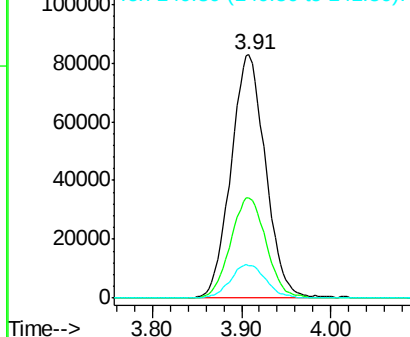
Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion:	142	Resp:	222423
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.5	53.3
141	14.1	11.5	17.3



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

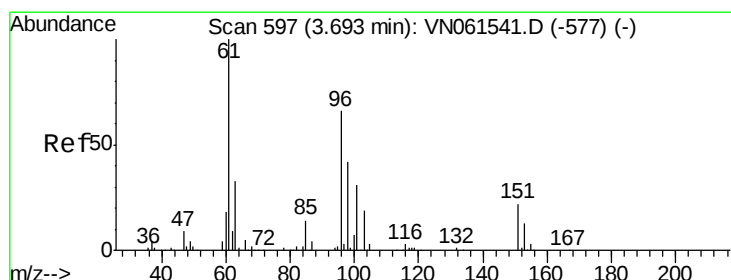
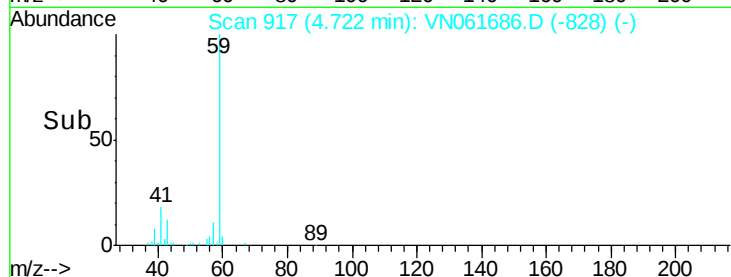
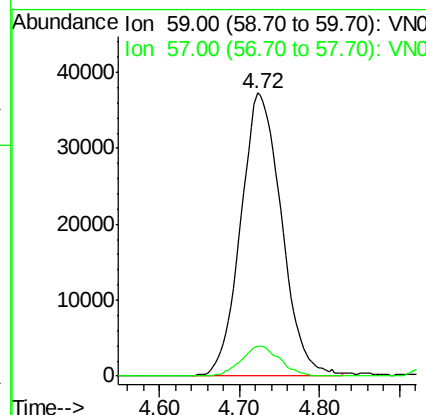
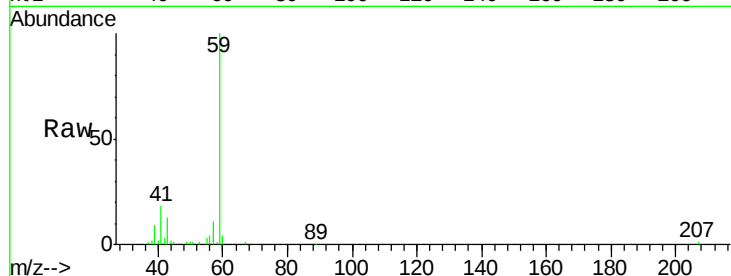
Tert butyl alcohol
Concen: 223.050 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
APPROVED

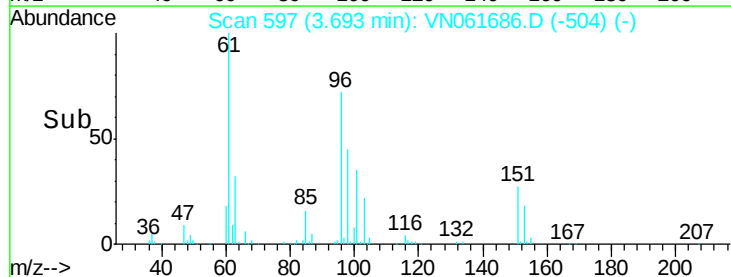
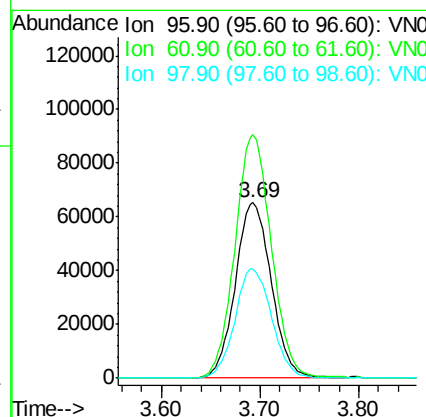
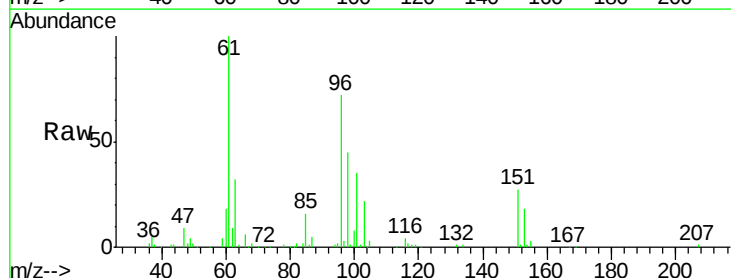
MMDadoda
6/9/2020 1:46:01 PM



#12

1,1-Dichloroethene
Concen: 44.381 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.6	120.5	180.7
98	62.1	50.8	76.2





#13

Acrolein

Concen: 248.783 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41776

Ion Ratio Lower Upper

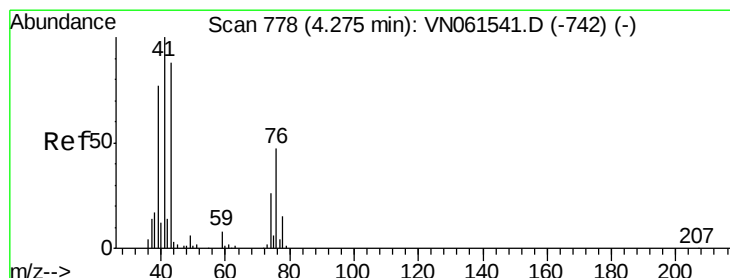
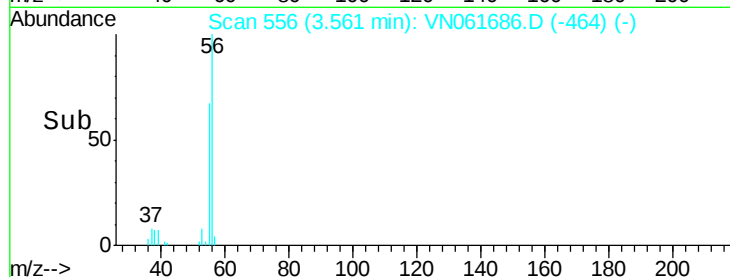
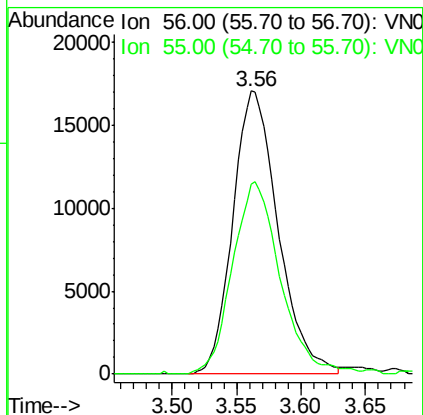
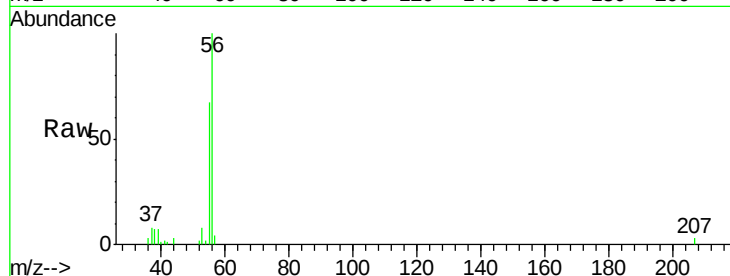
56 100

55 71.8 58.0 87.0

Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:01 PM



#14

Allyl chloride

Concen: 41.715 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

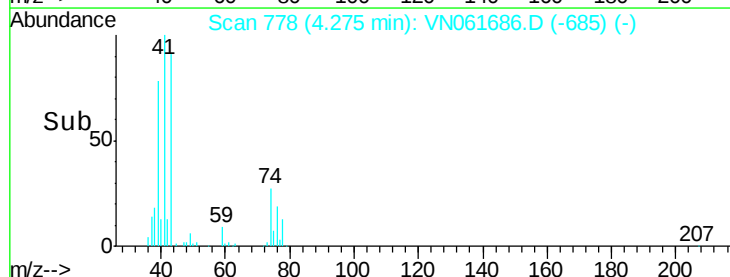
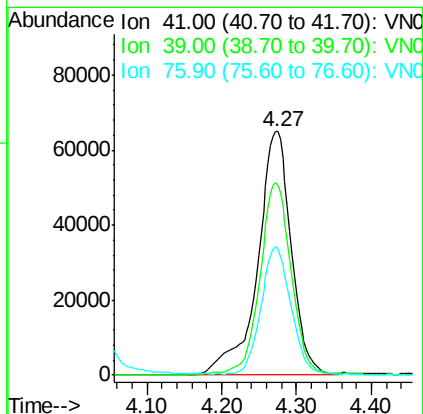
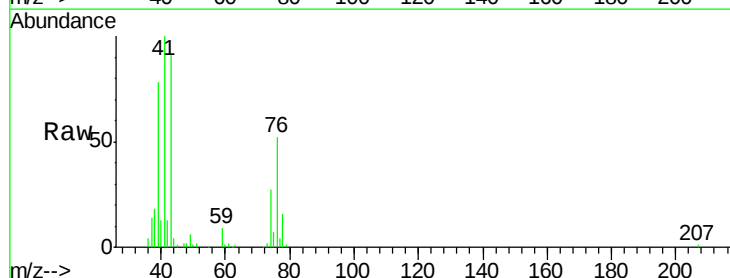
Tgt Ion: 41 Resp: 203716

Ion Ratio Lower Upper

41 100

39 73.4 58.6 88.0

76 46.0 34.2 51.4





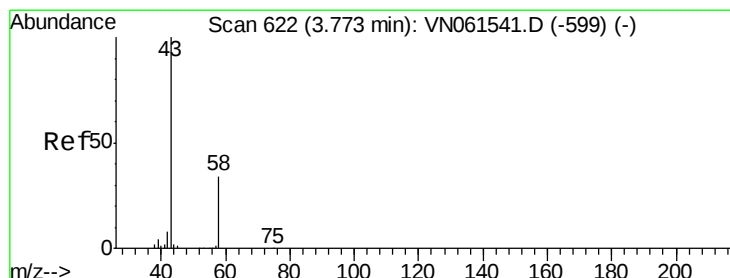
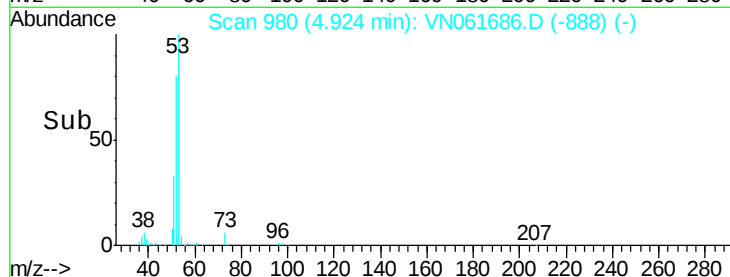
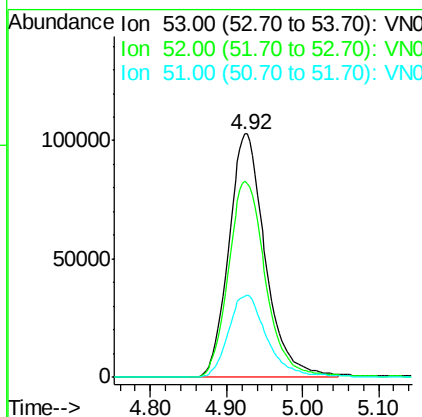
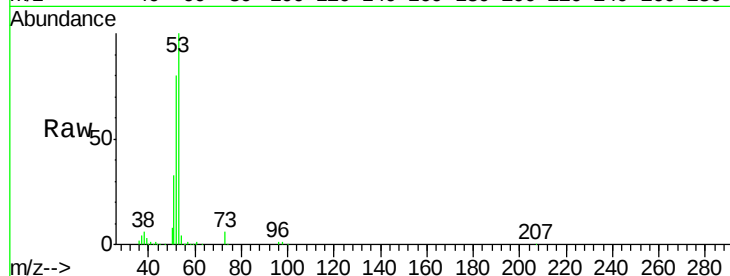
#15
 Acrylonitrile
 Concen: 212.032 ug/l
 RT: 4.92 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	342857
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.2
51	35.7	29.0	43.6

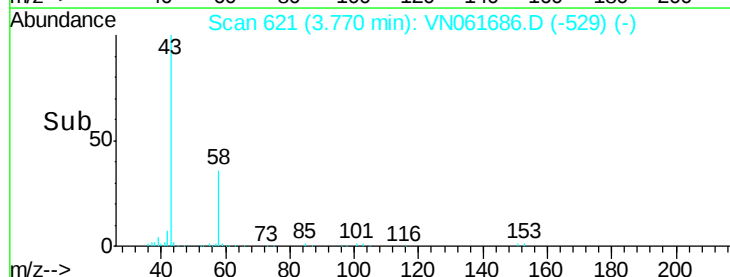
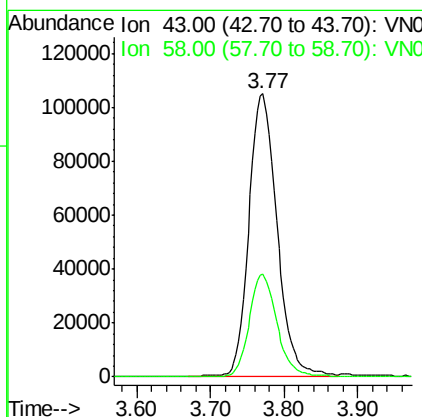
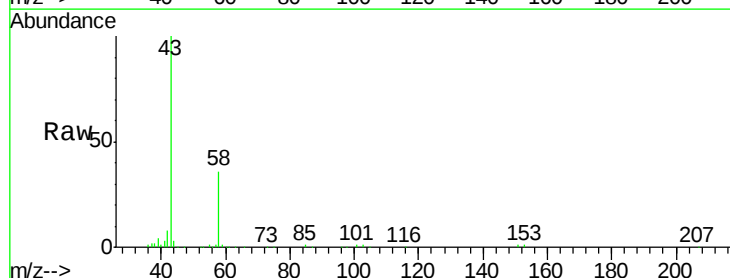
Manual Integrations
 APPROVED

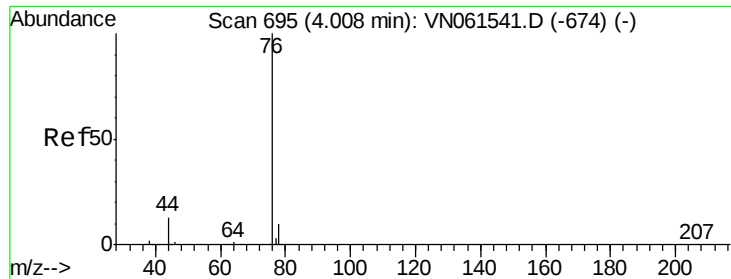
MMDadoda
 6/9/2020 1:46:01 PM



#16
 Acetone
 Concen: 233.697 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion:	43	Resp:	281004
Ion Ratio	Lower	Upper	
43	100		
58	36.3	27.2	40.8





#17

Carbon Disulfide

Concen: 40.106 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 329603

Ion Ratio Lower Upper

76 100

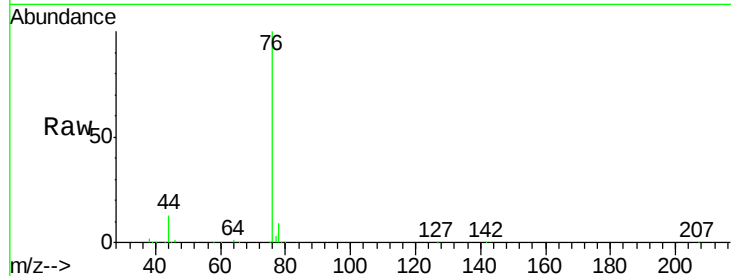
78 9.0 7.8 11.6

Manual Integrations

APPROVED

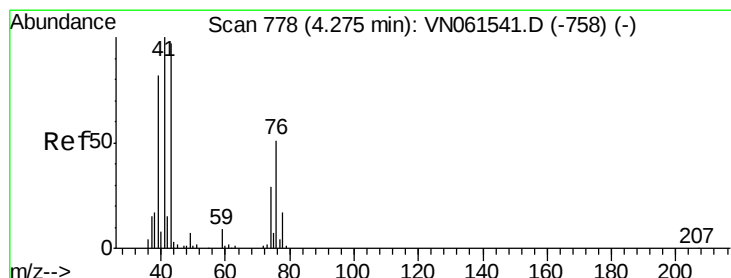
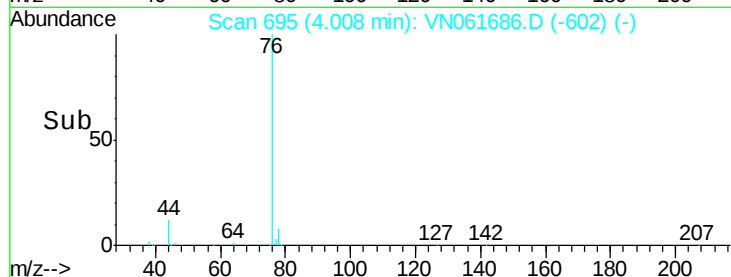
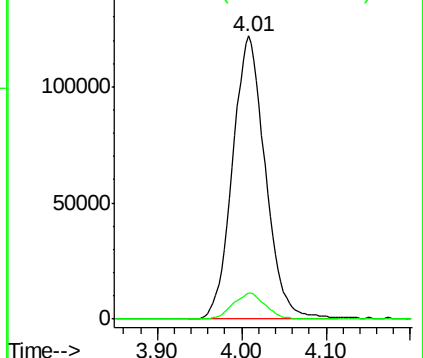
MMDadoda

6/9/2020 1:46:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 41.764 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061686.D

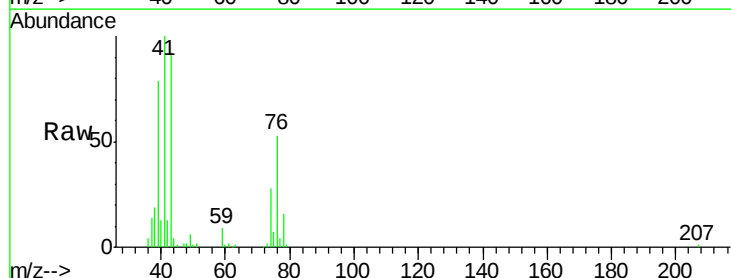
Acq: 8 Jun 2020 10:54

Tgt Ion: 43 Resp: 164667

Ion Ratio Lower Upper

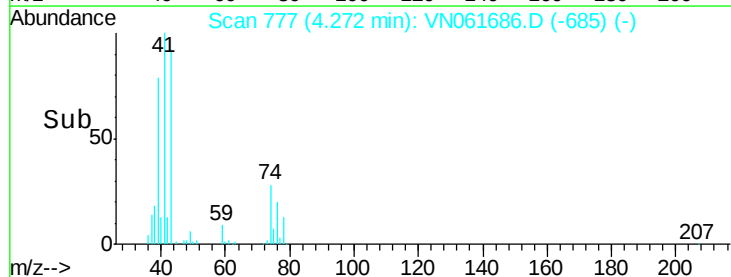
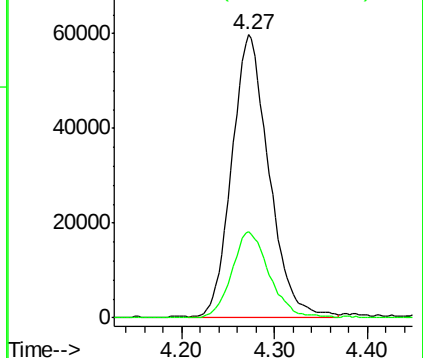
43 100

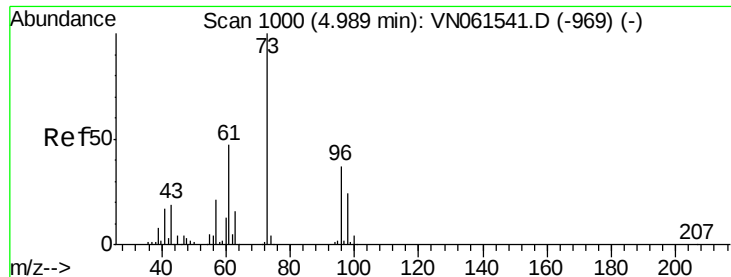
74 31.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





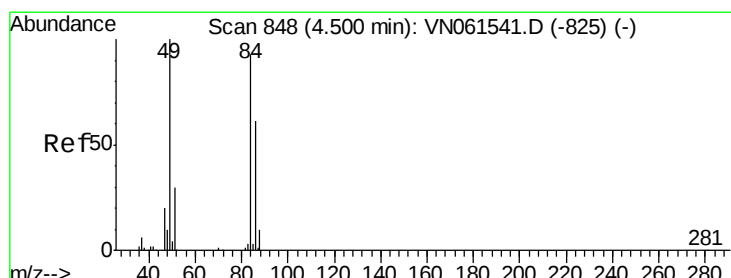
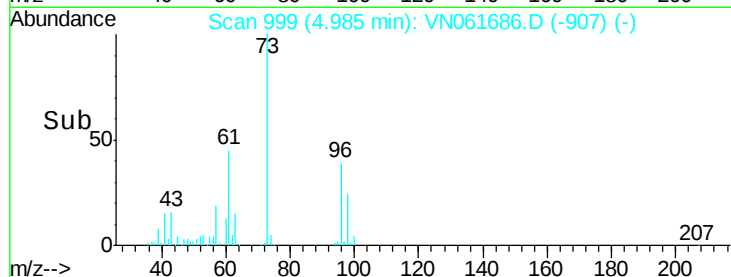
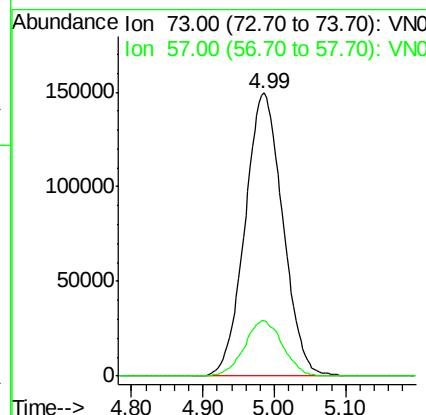
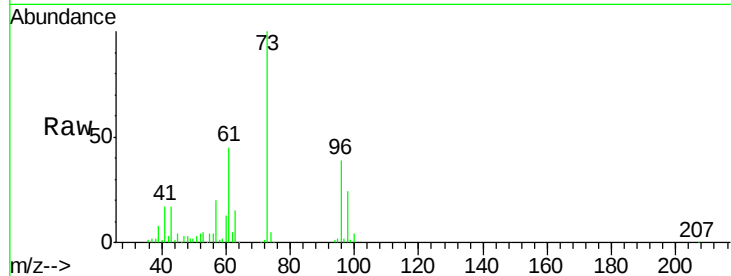
#19
Methyl tert-butyl Ether
Concen: 43.302 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 551263
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6

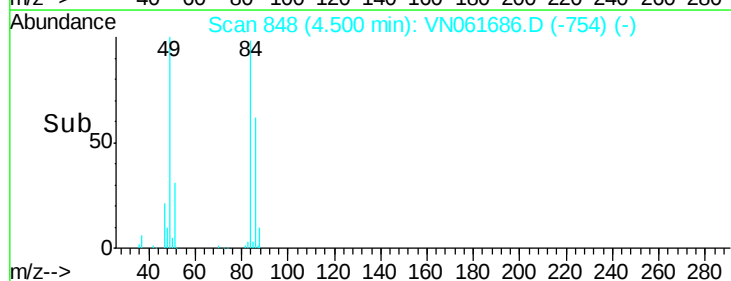
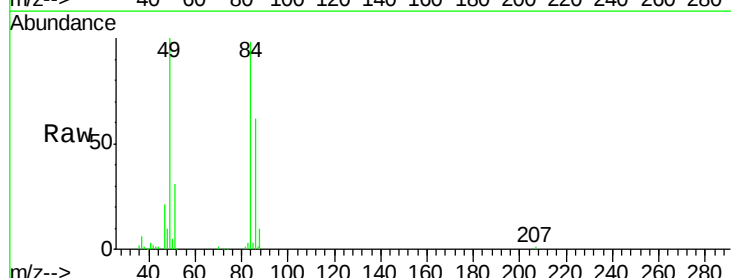
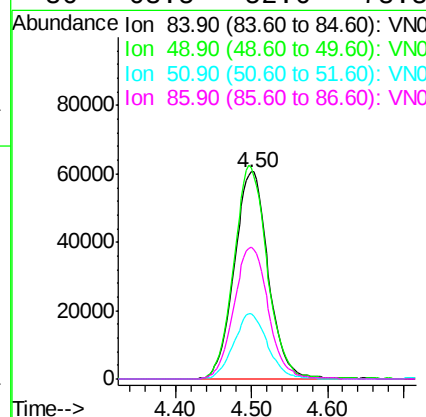
Manual Integrations
APPROVED

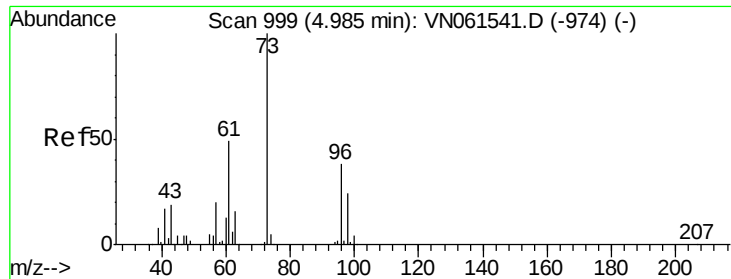
MMDadoda
6/9/2020 1:46:01 PM



#20
Methylene Chloride
Concen: 47.495 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion: 84 Resp: 188364
Ion Ratio Lower Upper
84 100
49 101.8 85.8 128.8
51 31.5 26.2 39.2
86 63.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 44.519 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

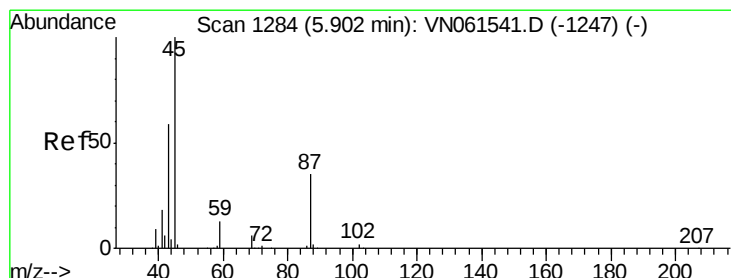
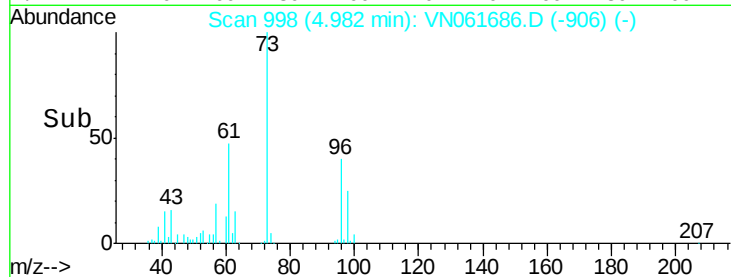
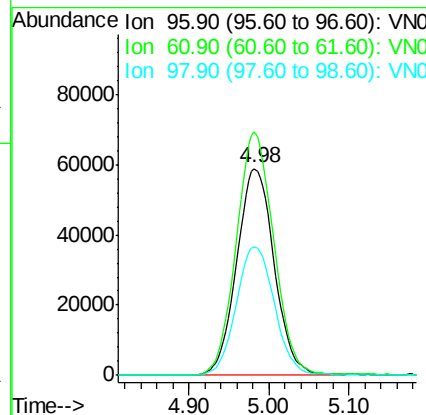
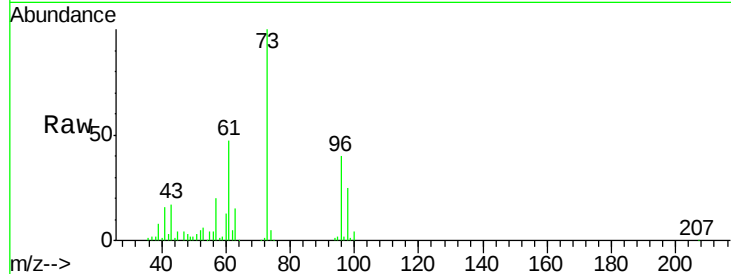
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	187538
Ion	Ratio	Lower	Upper
96	100		
61	117.6	101.4	152.0
98	61.9	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#22

Diisopropyl ether

Concen: 44.628 ug/l

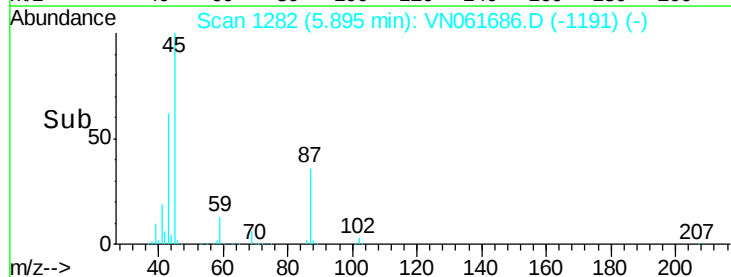
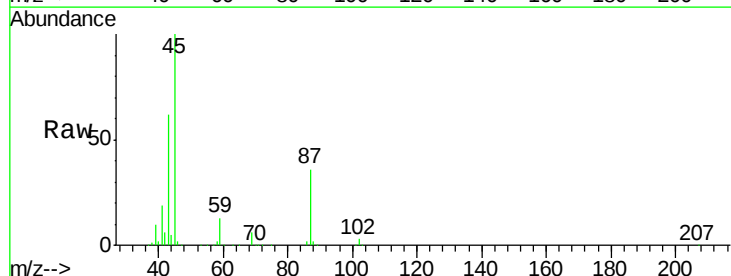
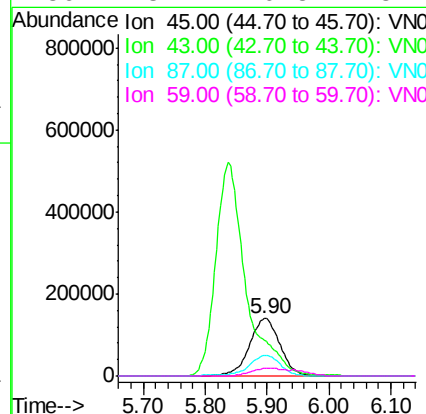
RT: 5.90 min Scan# 1282

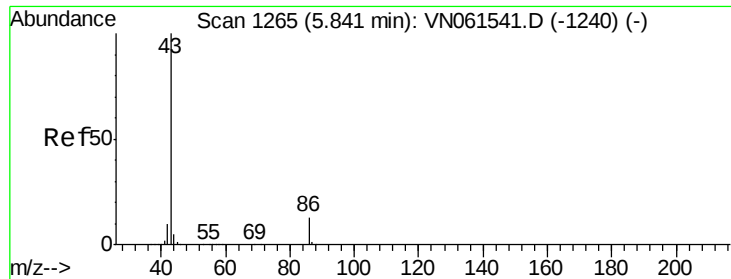
Delta R.T. -0.01 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion:	45	Resp:	480346
Ion	Ratio	Lower	Upper
45	100		
43	61.2	47.9	71.9
87	35.8	28.4	42.6
59	13.2	10.5	15.7





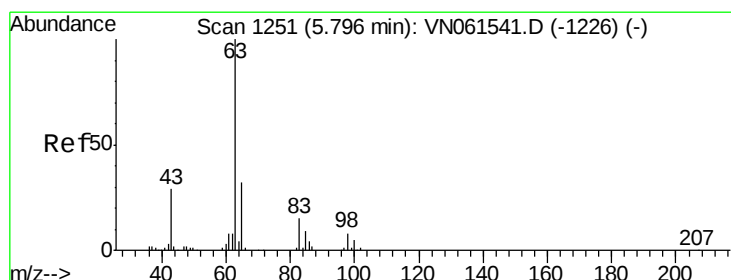
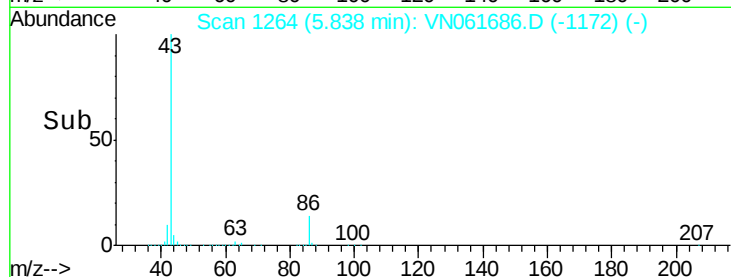
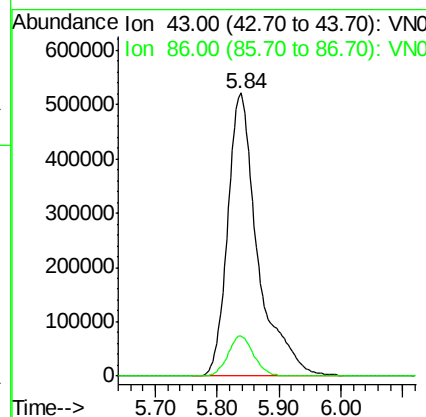
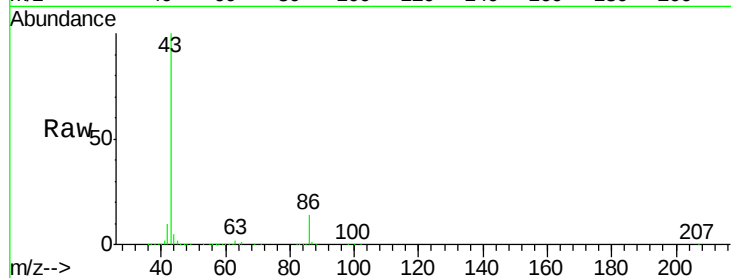
#23
 Vinyl Acetate
 Concen: 205.408 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1762122
 Ion Ratio Lower Upper
 43 100
 86 14.1 10.6 16.0

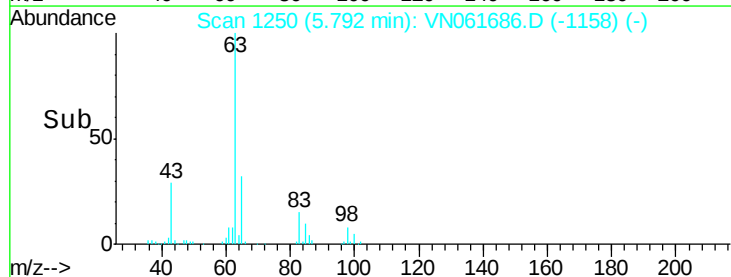
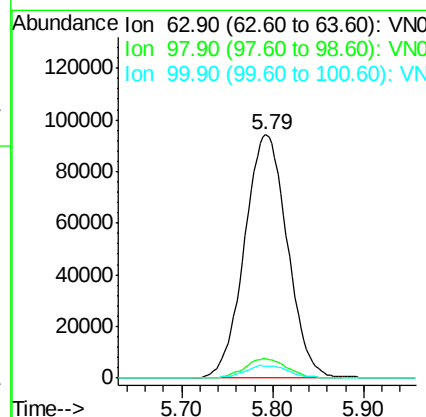
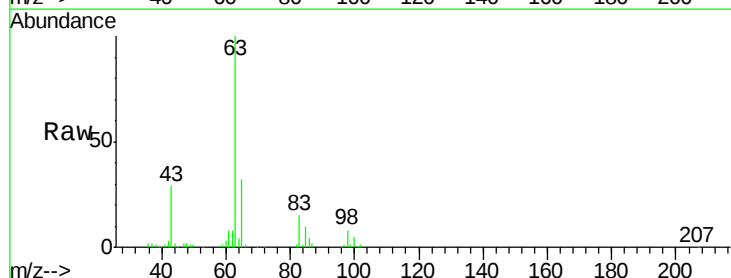
Manual Integrations
 APPROVED

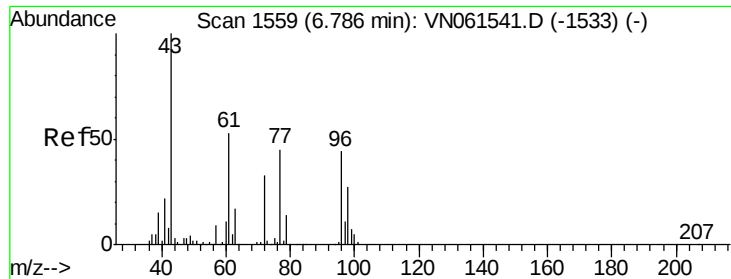
MMDadoda
 6/9/2020 1:46:01 PM



#24
 1,1-Dichloroethane
 Concen: 45.126 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion: 63 Resp: 307992
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.4
 100 4.8 2.5 7.6





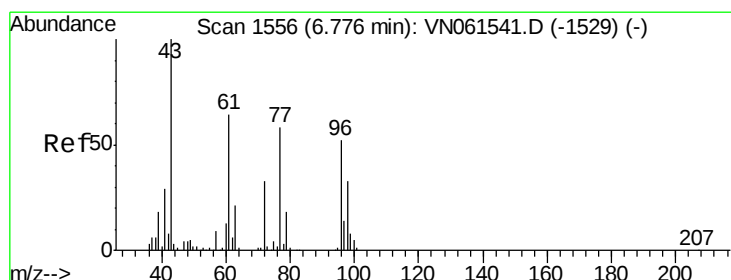
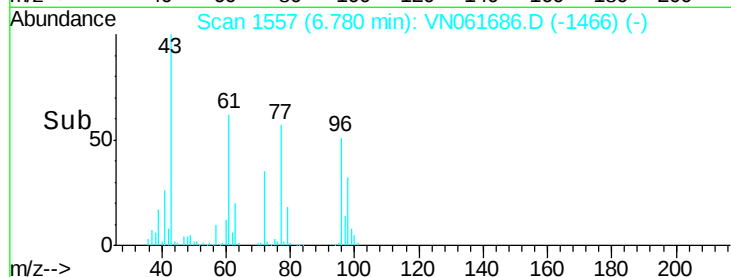
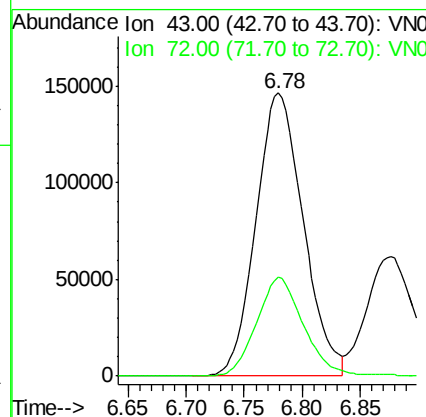
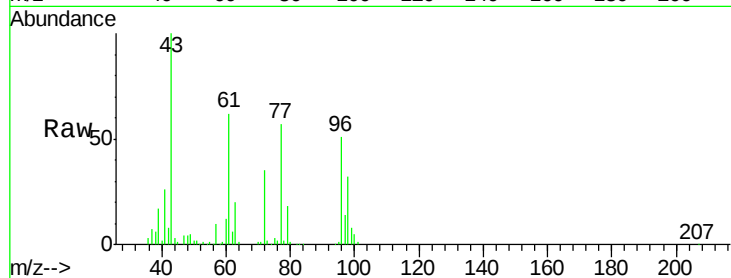
#25
2-Butanone
Concen: 201.014 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 414925
Ion Ratio Lower Upper
43 100
72 35.1 26.0 39.0

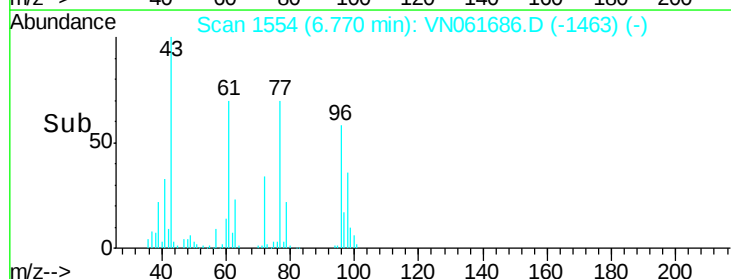
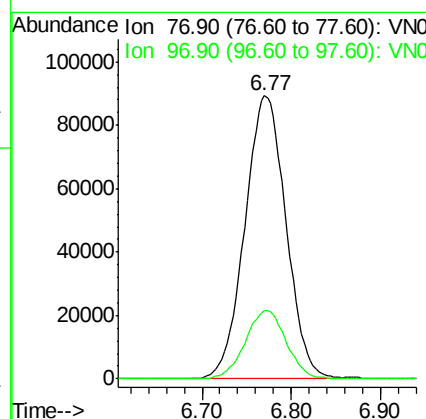
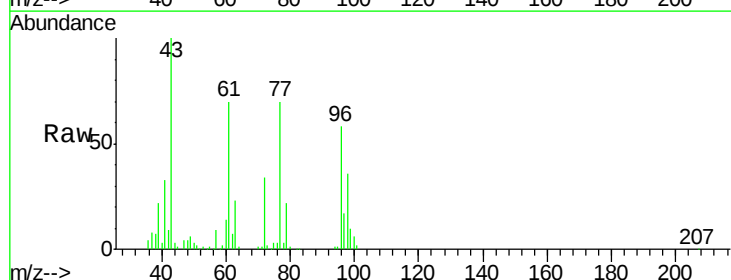
Manual Integrations
APPROVED

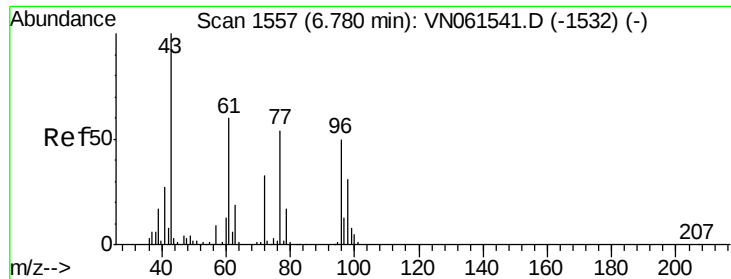
MMDadoda
6/9/2020 1:46:01 PM



#26
2,2-Dichloropropane
Concen: 45.913 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion: 77 Resp: 286811
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.0





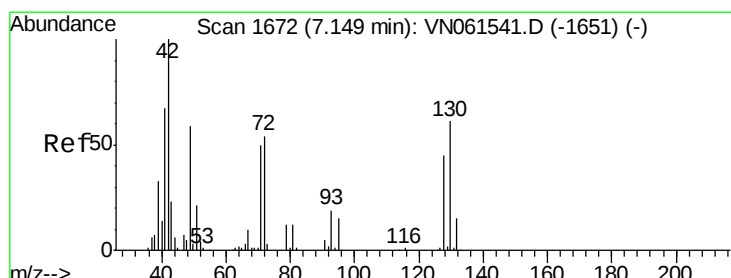
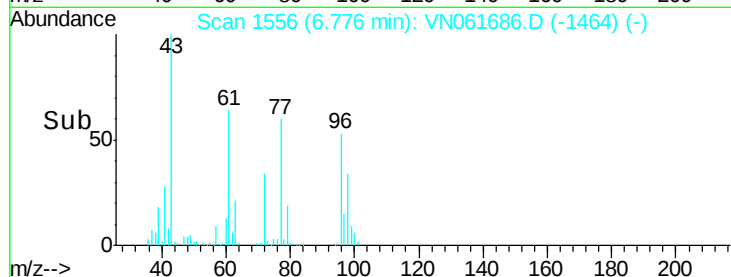
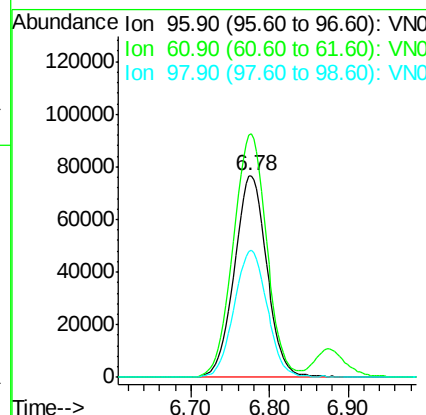
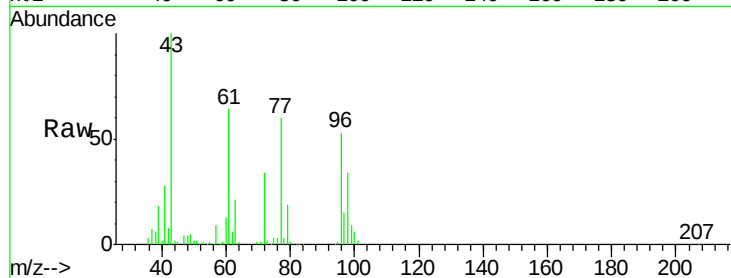
#27
 cis-1,2-Dichloroethene
 Concen: 46.393 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	221300		
61	123.5		0.0	252.2
98	64.1		0.0	129.2

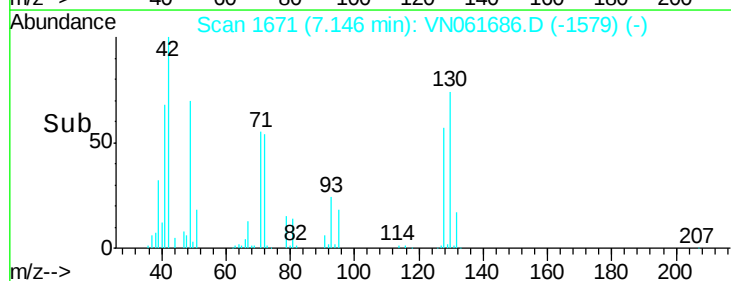
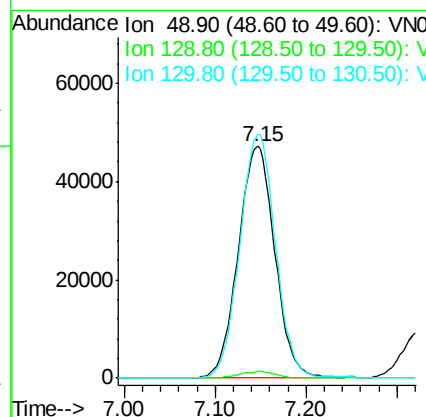
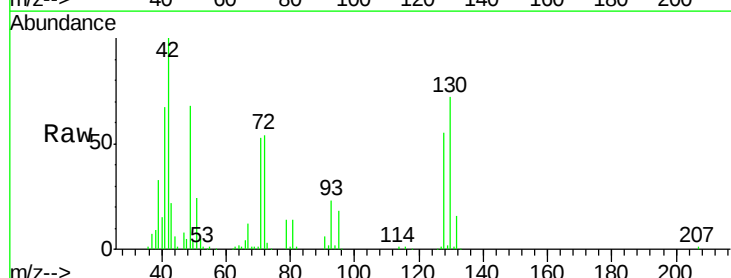
Manual Integrations
 APPROVED

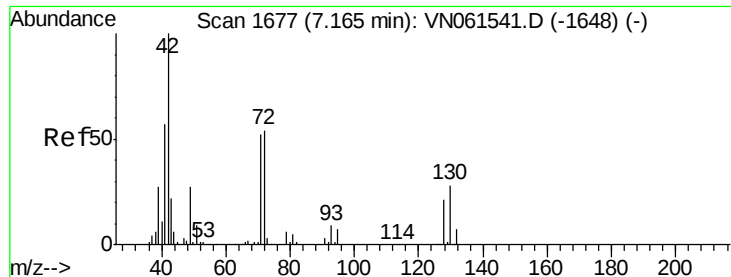
MMDadoda
 6/9/2020 1:46:01 PM



#28
 Bromochloromethane
 Concen: 51.461 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131752		
129	2.7		0.0	4.8
130	102.5		78.8	118.2





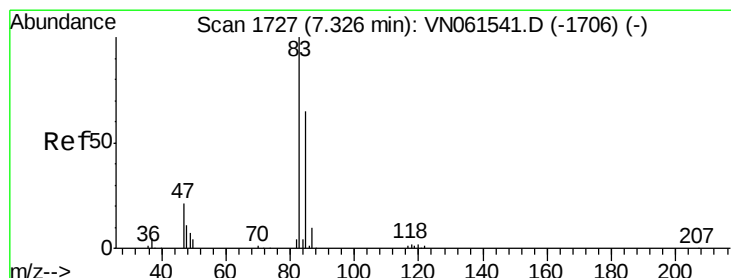
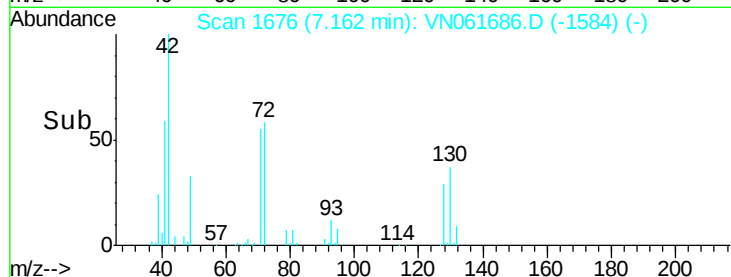
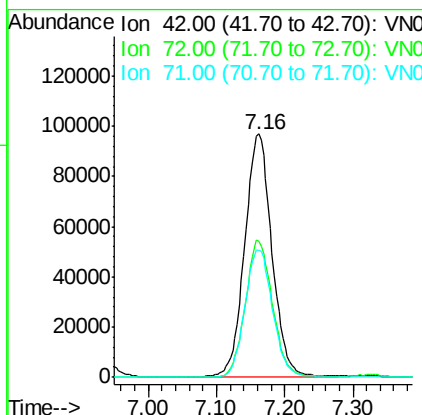
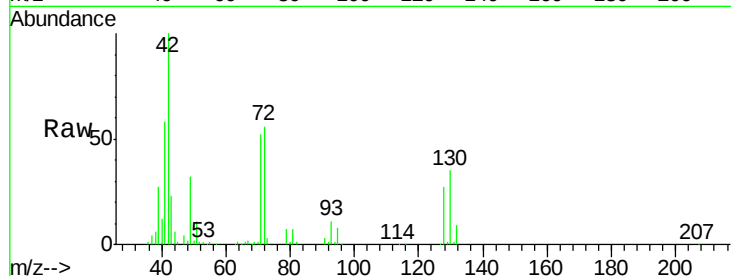
#29
Tetrahydrofuran
Concen: 199.016 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	43.6	65.4
71	52.9	41.2	61.8

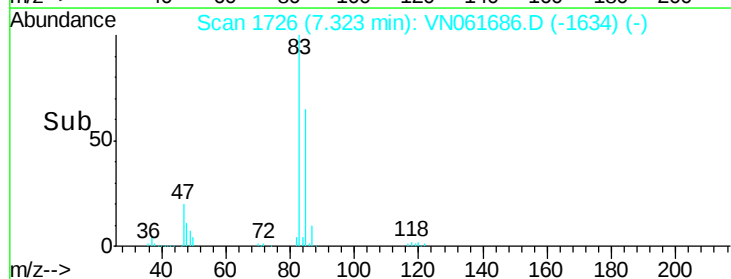
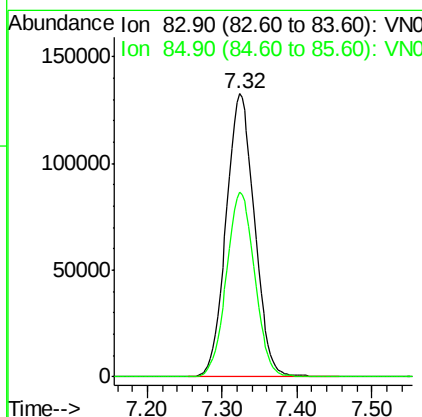
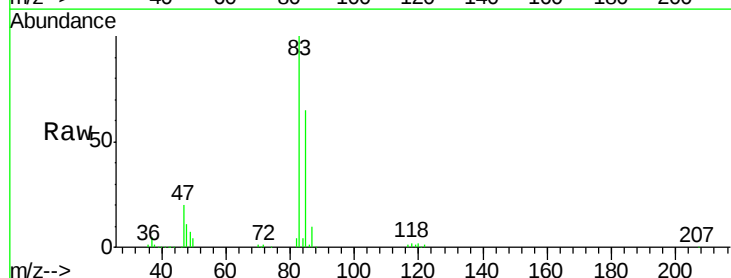
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#30
Chloroform
Concen: 46.278 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5





#31

Cyclohexane

Concen: 42.020 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 257928

Ion Ratio Lower Upper

56 100

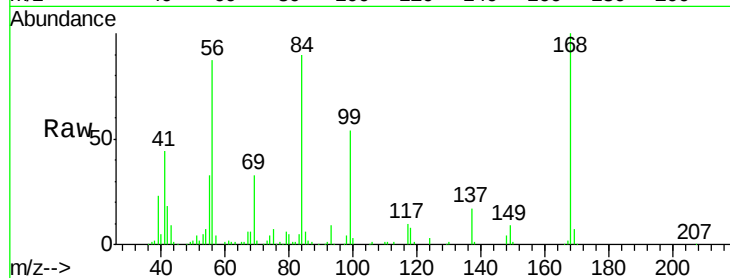
69 37.6 27.8 41.8

84 102.0 79.9 119.9

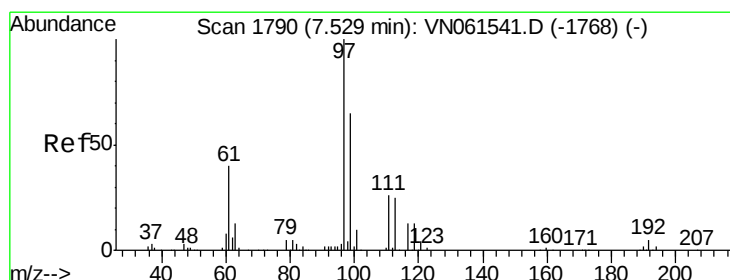
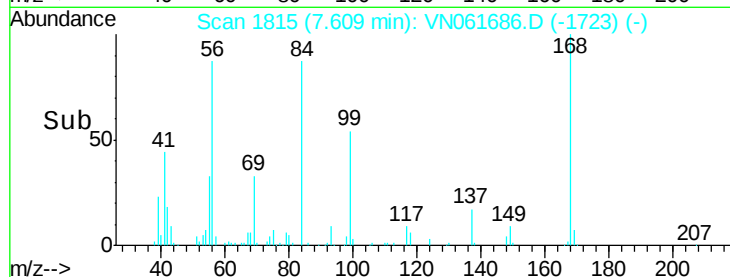
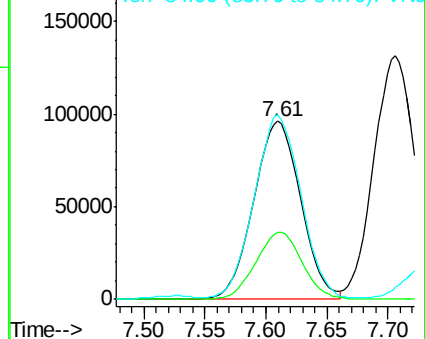
Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 45.357 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

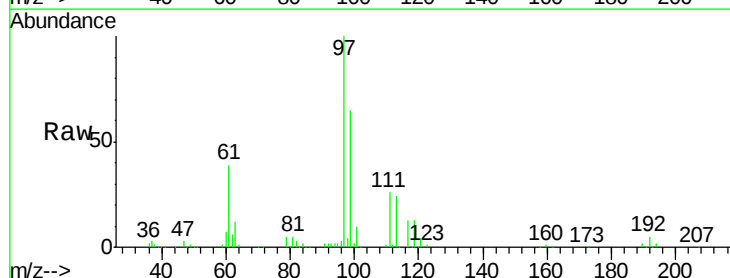
Tgt Ion: 97 Resp: 312070

Ion Ratio Lower Upper

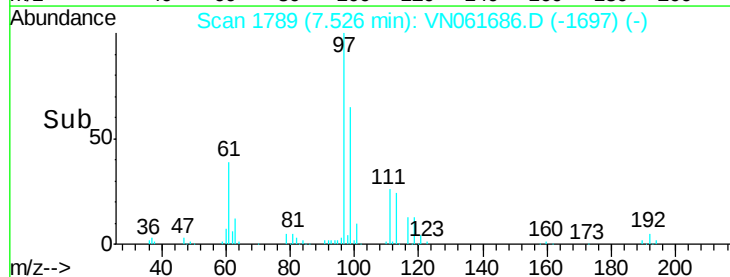
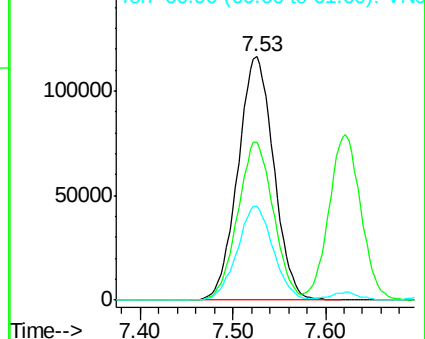
97 100

99 64.5 51.4 77.0

61 38.6 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





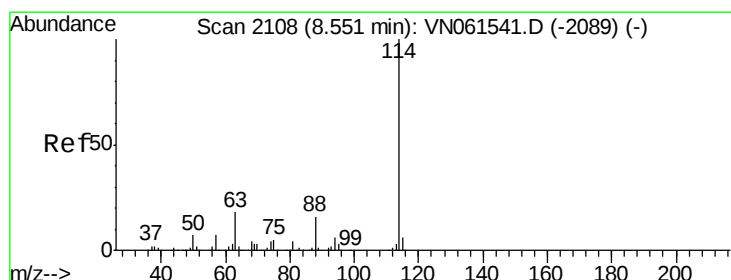
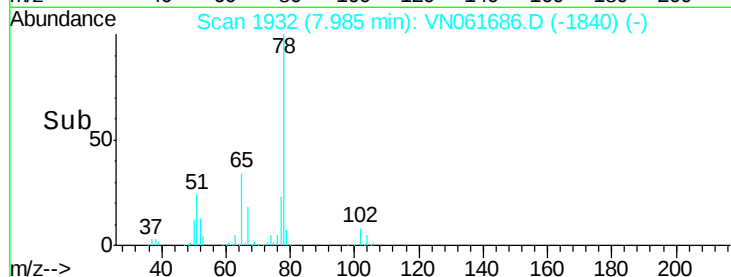
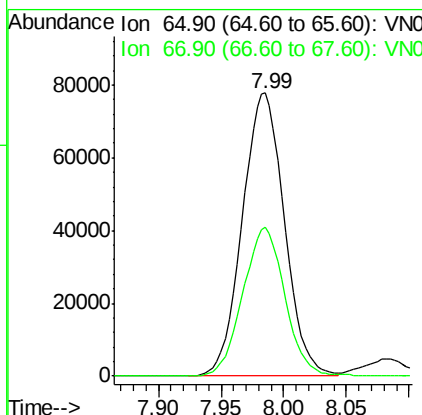
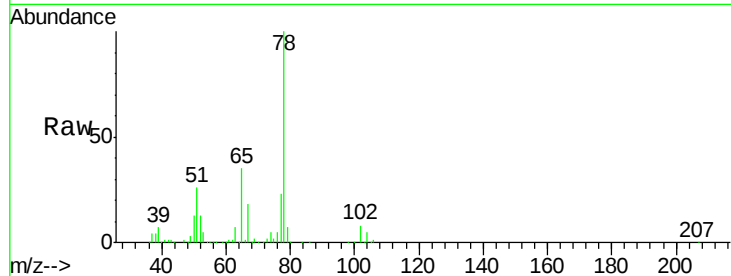
#33
 1,2-Dichloroethane-d4
 Concen: 41.706 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181646		
67	52.5	0.0	104.8	

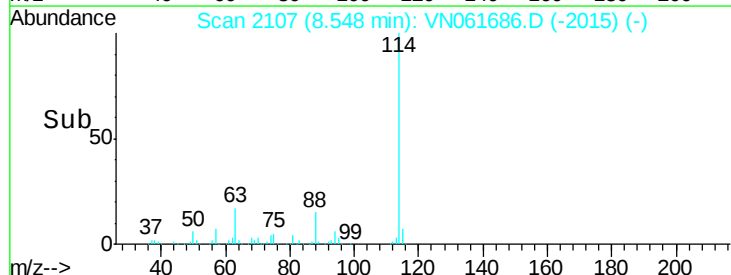
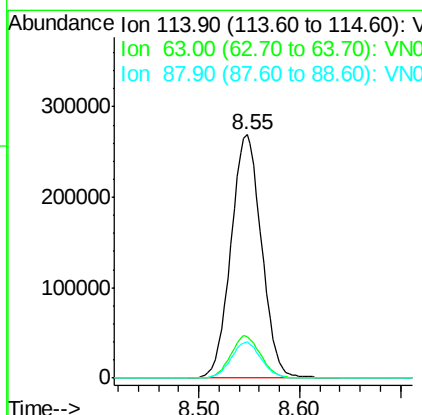
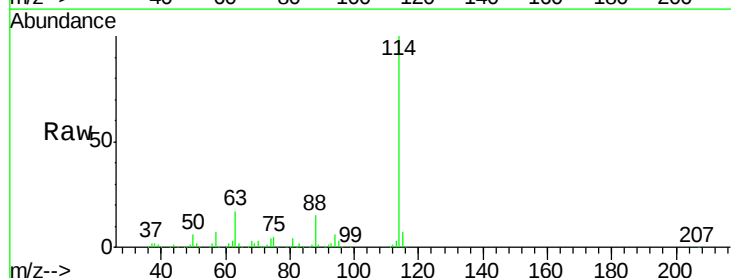
Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	566309		
63	17.2	0.0	35.8	
88	14.6	0.0	31.0	





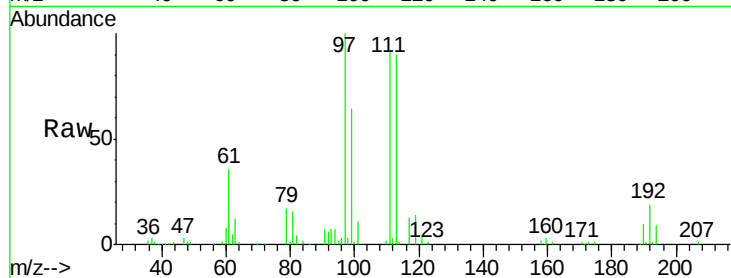
#35
 Dibromofluoromethane
 Concen: 48.725 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

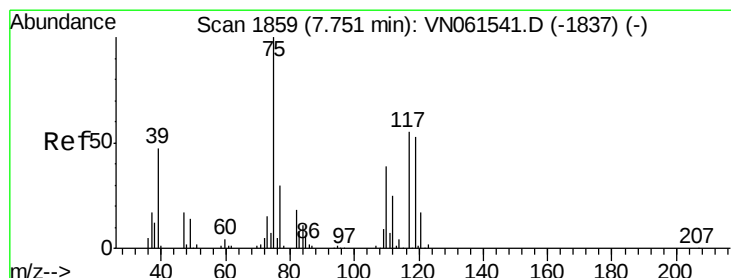
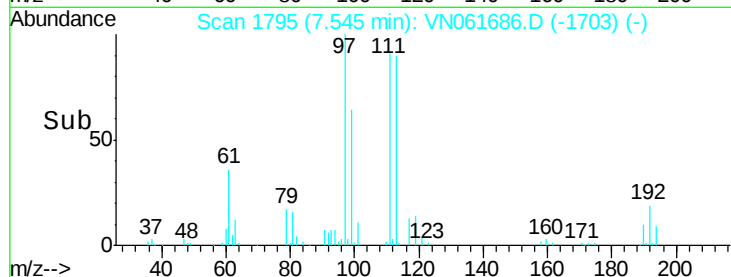
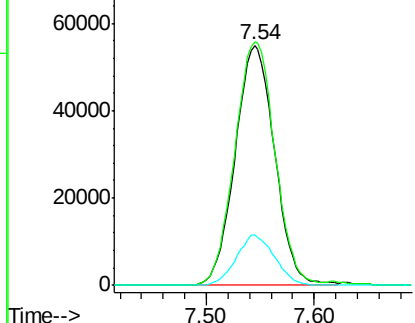
Tot Ion	Ratio	Resp	Lower	Upper
113	100	139976		
111	103.2	83.4	125.0	
192	20.3	15.4	23.2	

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:01 PM

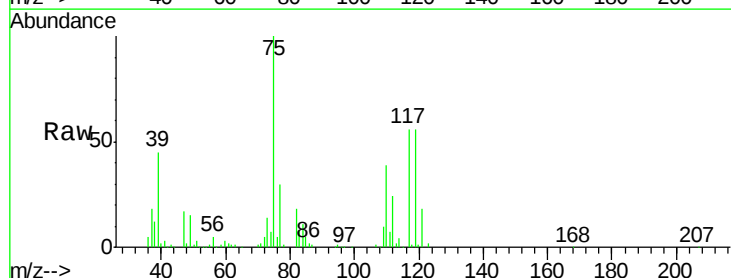


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

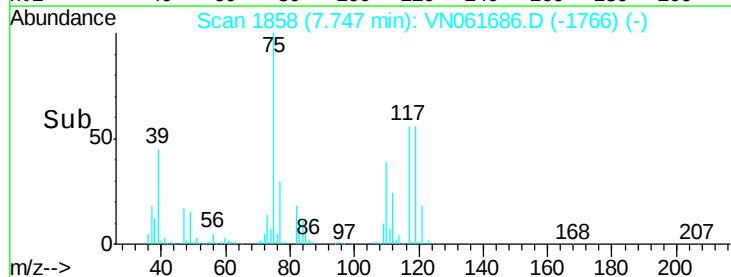
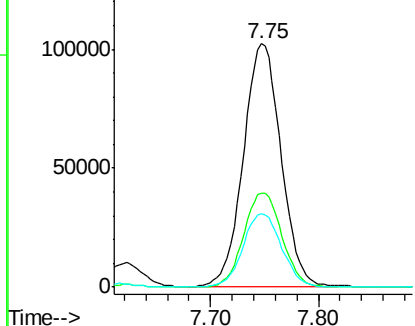


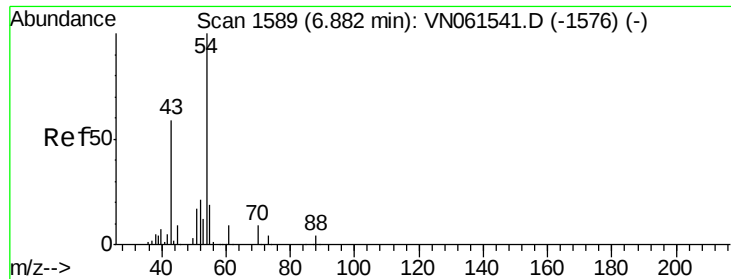
#36
 1,1-Dichloropropene
 Concen: 49.173 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246522		
110	39.7	19.5	58.5	
77	31.3	24.7	37.1	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





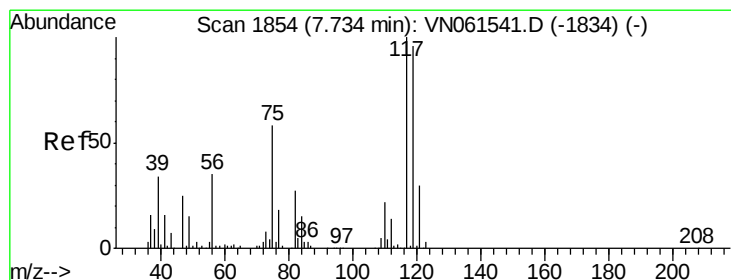
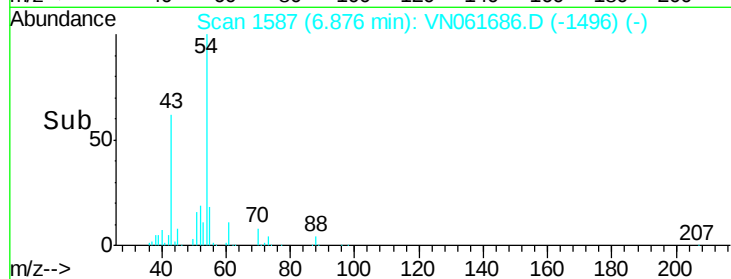
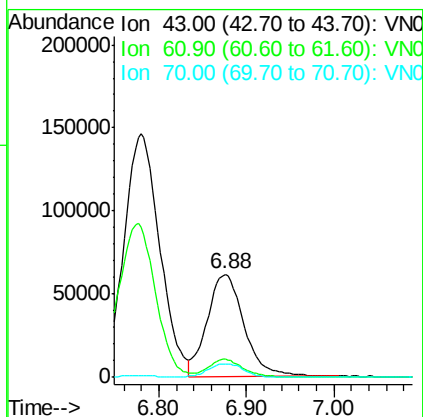
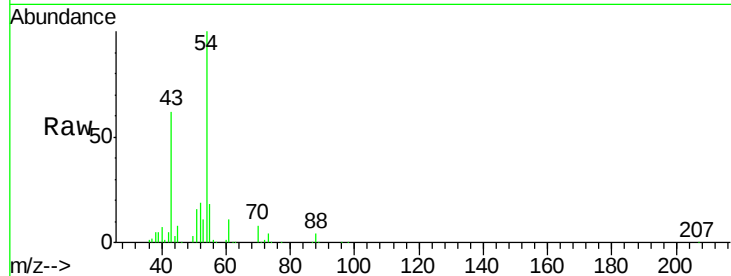
#37
Ethyl Acetate
Concen: 44.700 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.2	18.4
70	13.2	9.4	14.2

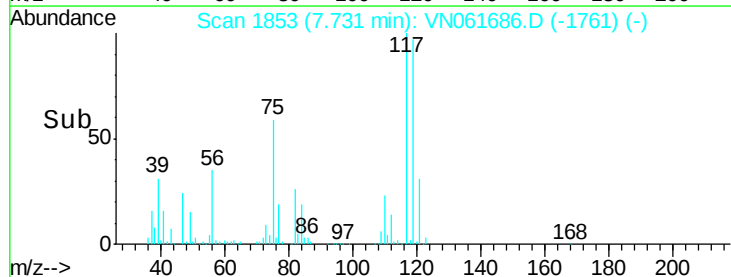
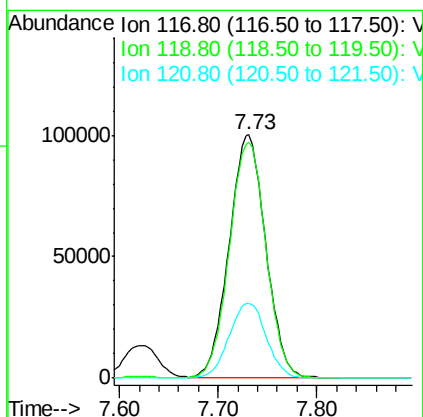
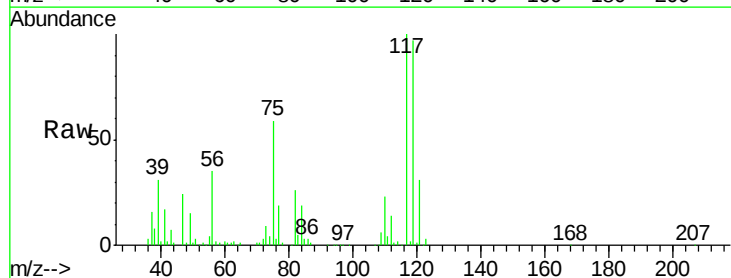
Manual Integrations
APPROVED

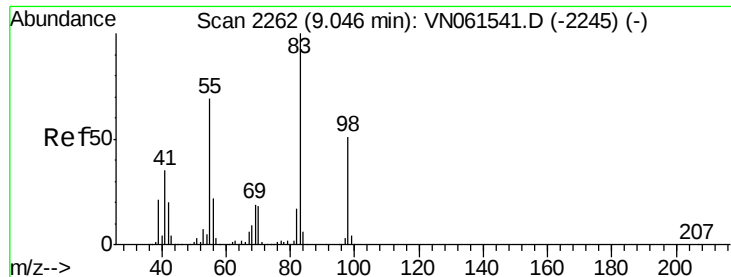
MMDadoda
6/9/2020 1:46:01 PM



#38
Carbon Tetrachloride
Concen: 53.277 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.5	114.7
121	30.8	24.1	36.1





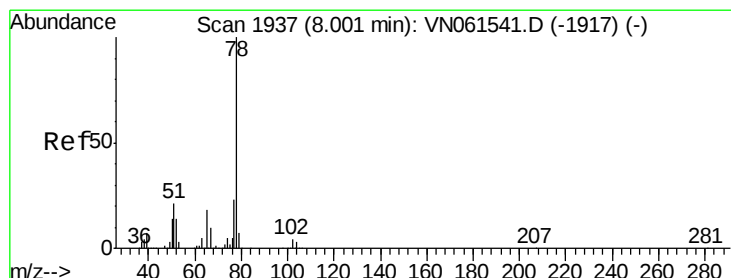
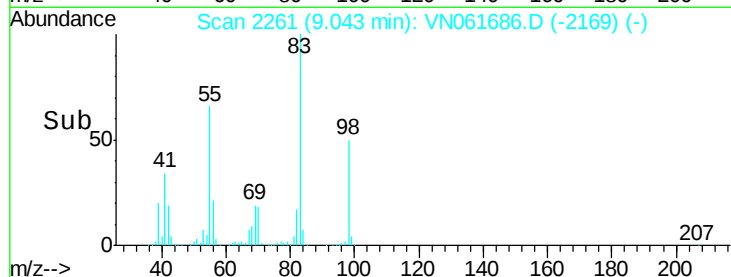
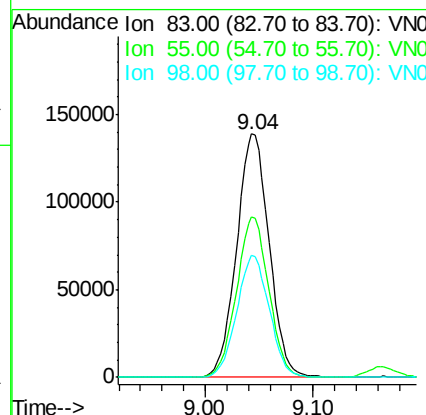
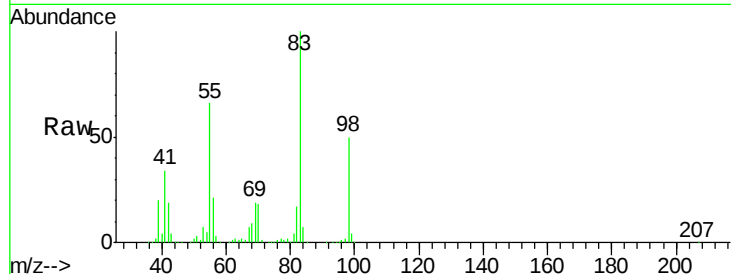
#39
Methvlcvclohexane
Concen: 47.335 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	292492		
55	66.1	54.9	82.3	
98	50.2	41.0	61.4	

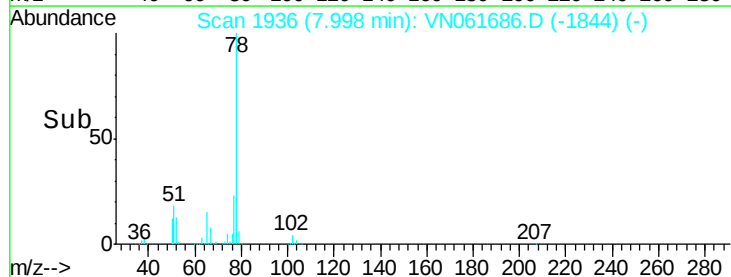
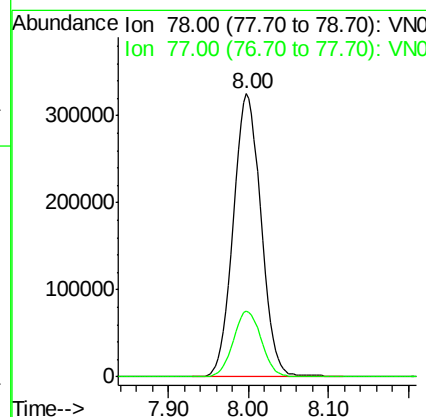
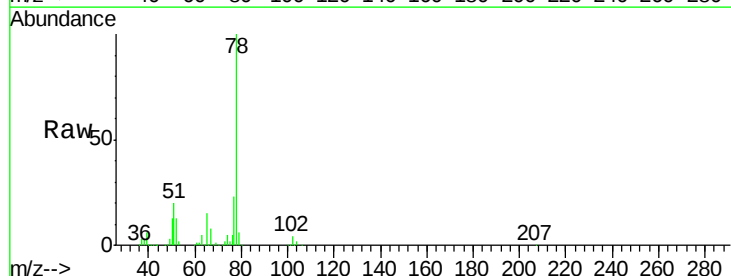
Manual Integrations
APPROVED

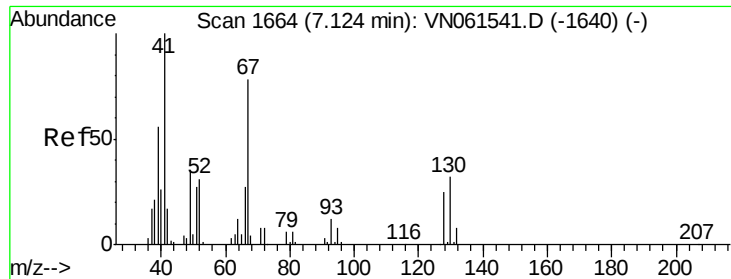
MMDadoda
6/9/2020 1:46:01 PM



#40
Benzene
Concen: 49.517 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	765942		
77	23.1	18.6	28.0	





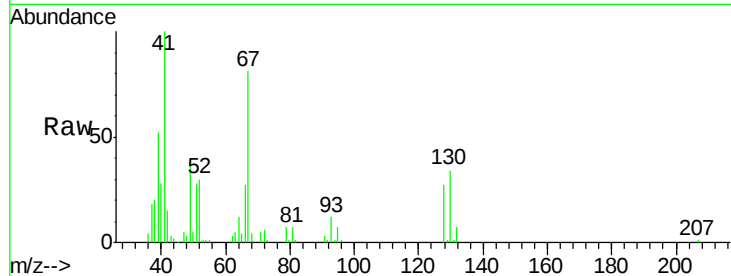
#41
Methacrylonitrile
Concen: 41.170 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

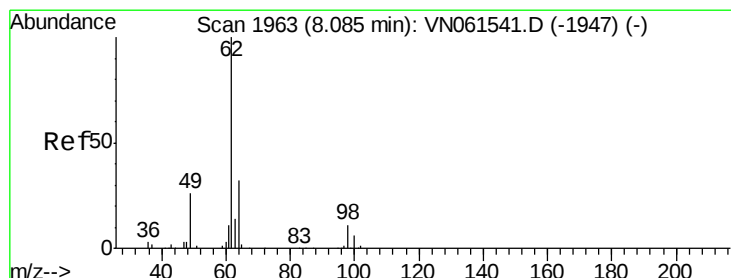
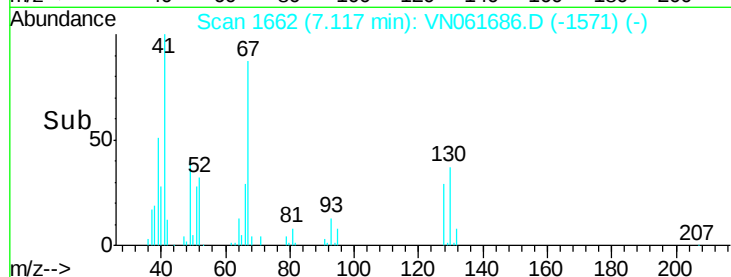
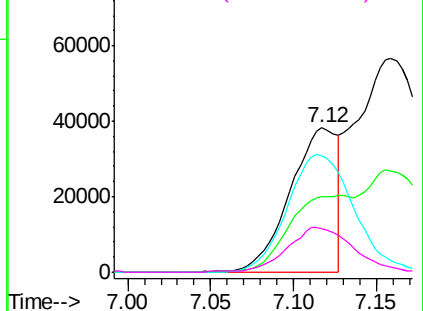
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.4	53.8	80.6	
67	115.4	91.1	136.7	
52	41.4	36.0	54.0	

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM

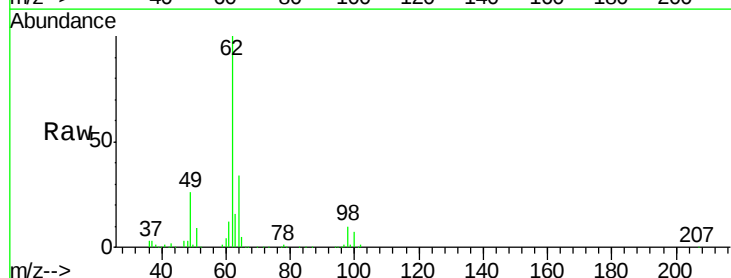


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)
Ion 39.00 (38.70 to 39.70): VN061541.D (-1640) (-)
Ion 67.00 (66.70 to 67.70): VN061541.D (-1640) (-)
Ion 52.00 (51.70 to 52.70): VN061541.D (-1640) (-)

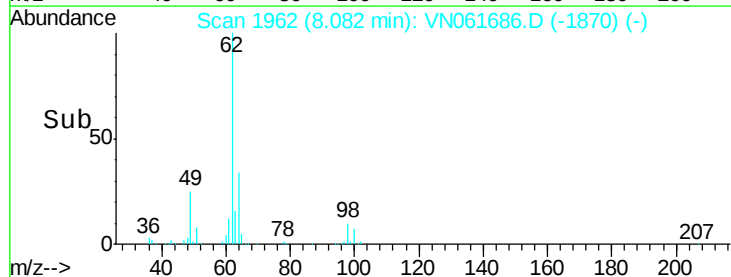
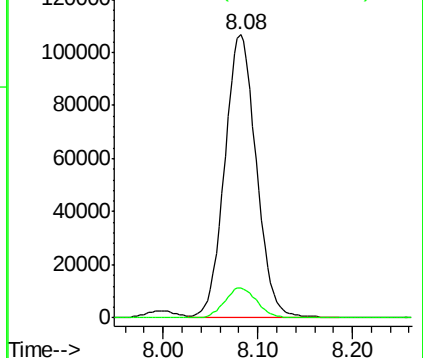


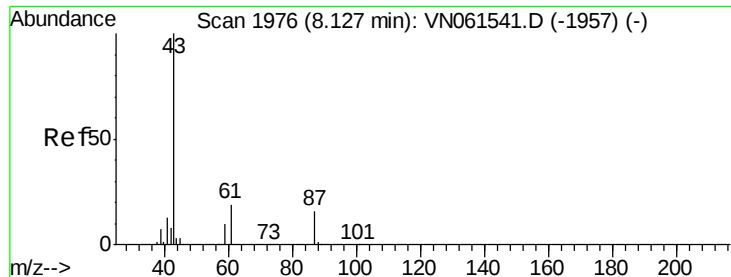
#42
1,2-Dichloroethane
Concen: 47.614 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	21.4	



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)
Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)





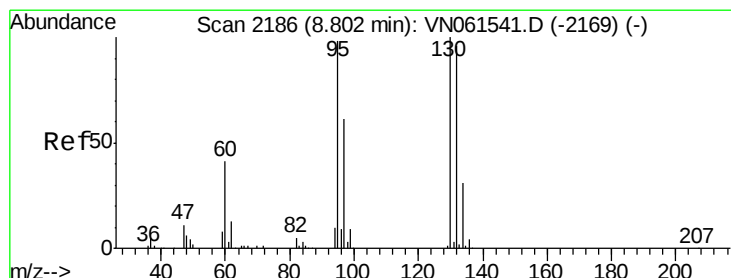
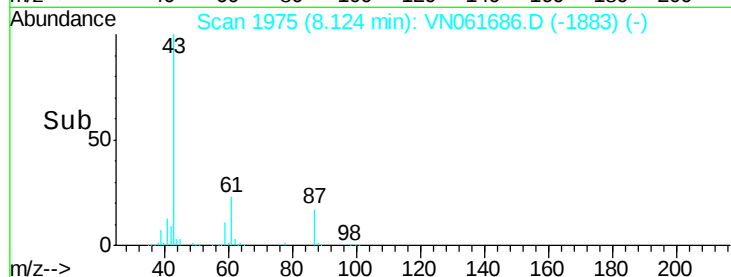
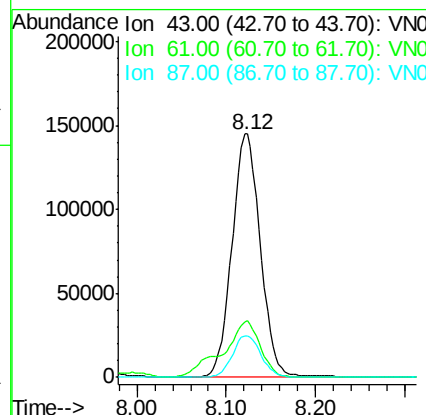
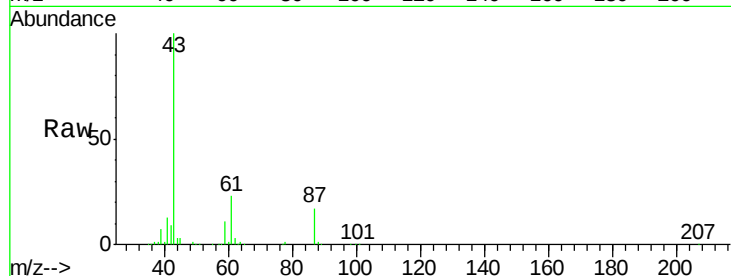
#43
Isopropyl Acetate
Concen: 43.735 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.6	35.4
87	17.3	13.0	19.6

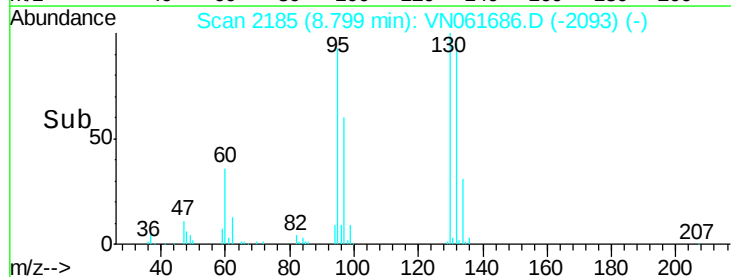
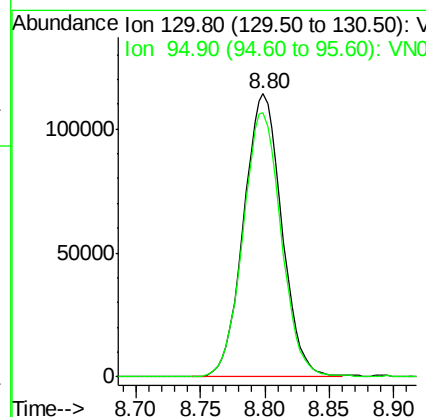
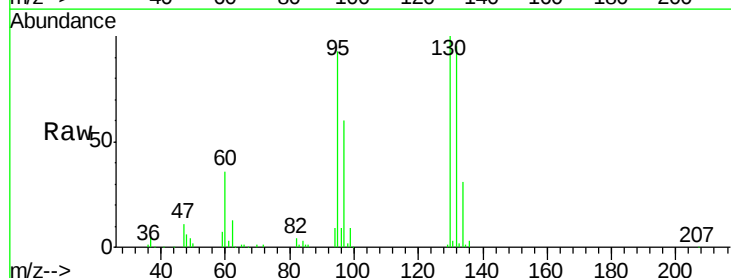
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#44
Trichloroethene
Concen: 49.543 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	196.6





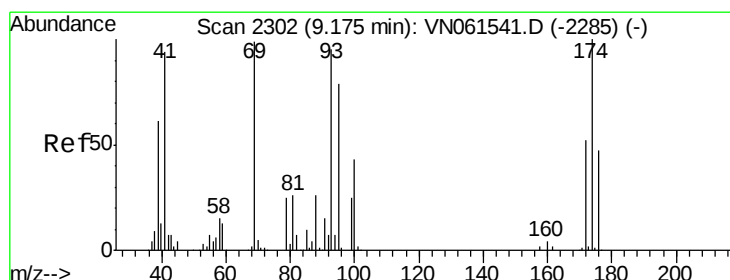
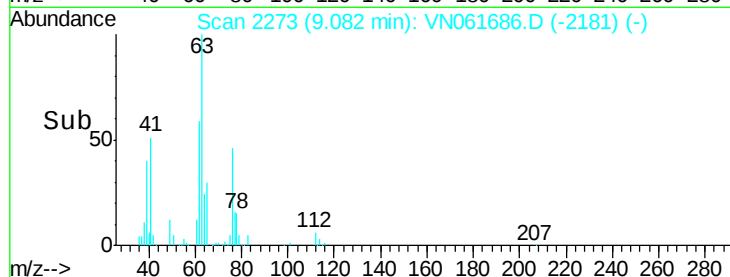
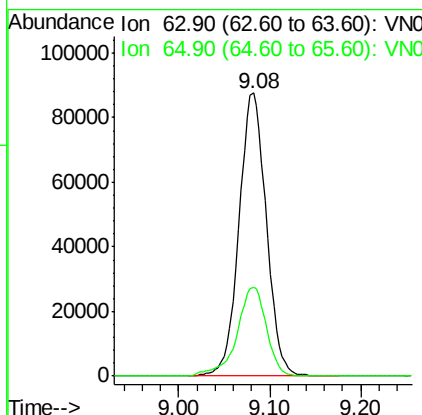
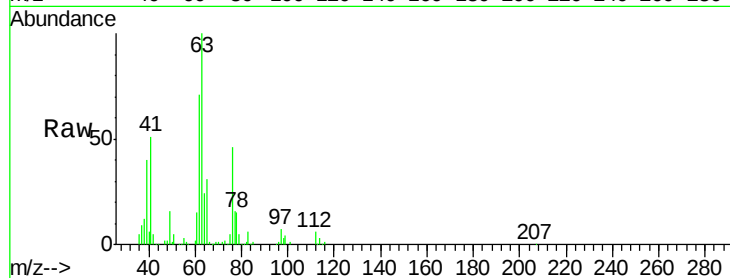
#45
 1,2-Dichloropropane
 Concen: 49.727 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 182650
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

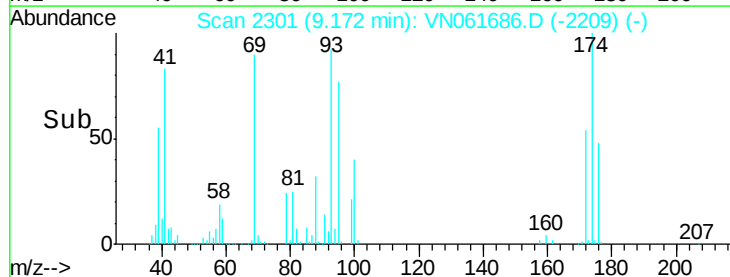
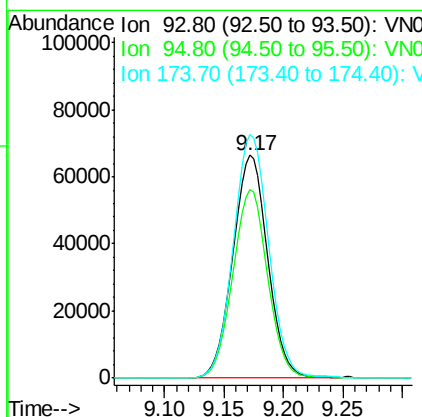
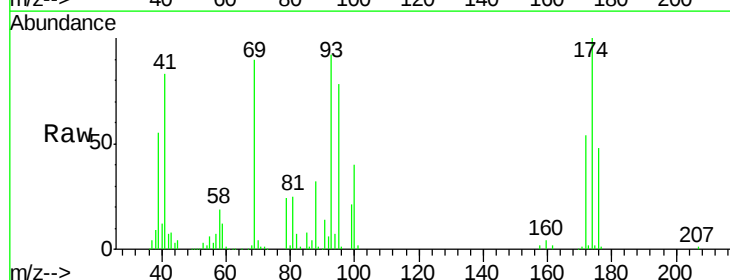
Manual Integrations
 APPROVED

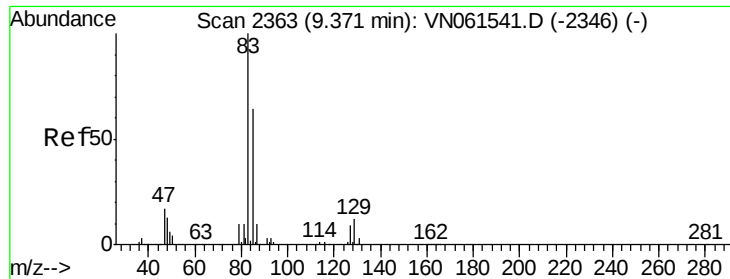
MMDadoda
 6/9/2020 1:46:01 PM



#46
 Dibromomethane
 Concen: 48.024 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion: 93 Resp: 135285
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.0 99.0
 174 110.9 82.5 123.7





#47

Bromodichloromethane

Concen: 50.519 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

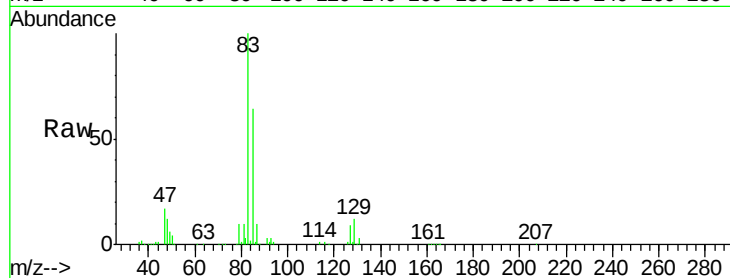
ClientSampleId :

VSTDCCC050

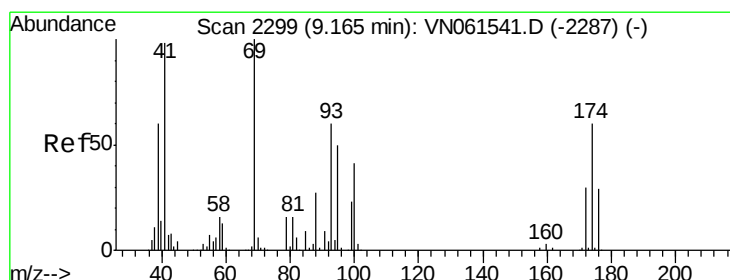
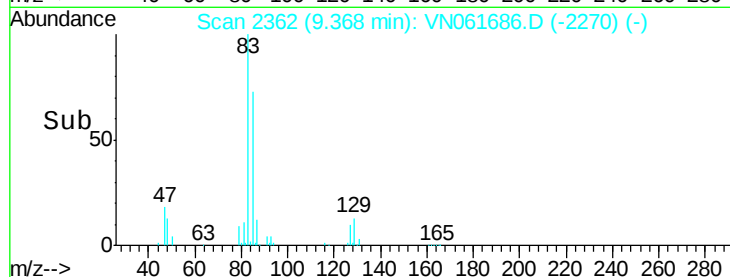
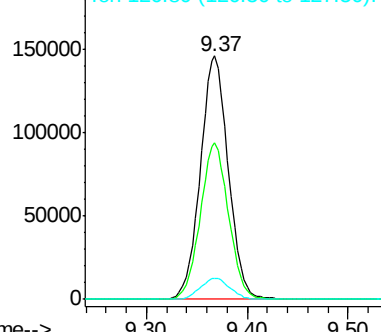
Tot Ion:	83	Resp:	281956
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061686.D (-2270) (-)



#48

Methyl methacrylate

Concen: 41.695 ug/l

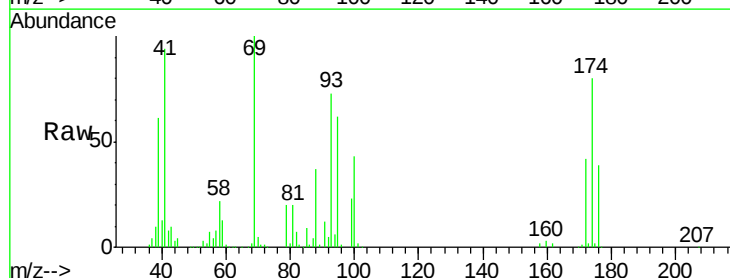
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

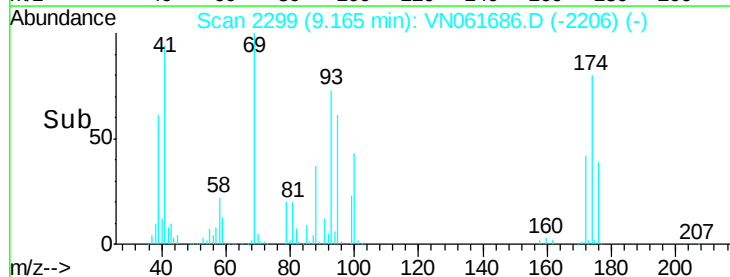
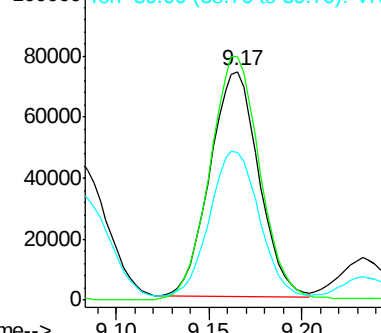
Lab File: VN061686.D

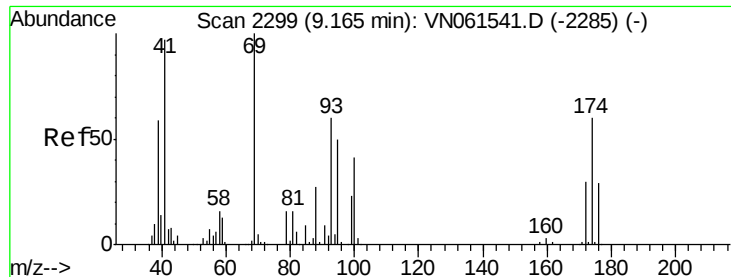
Acq: 8 Jun 2020 10:54

Tgt Ion:	41	Resp:	136278
Ion Ratio	Lower	Upper	
41	100		
69	110.6	83.9	125.9
39	65.1	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061686.D (-2206) (-)





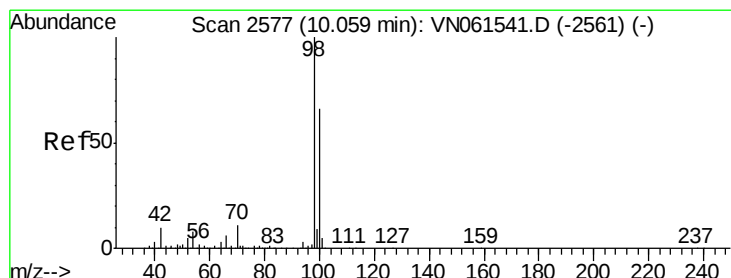
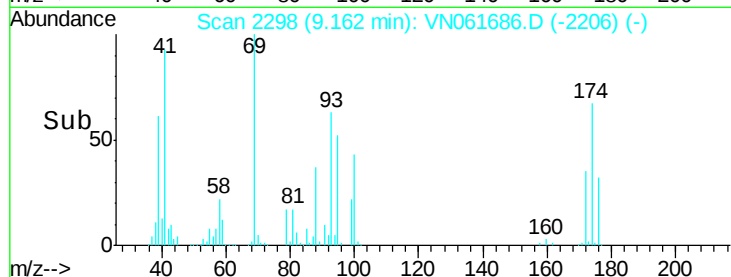
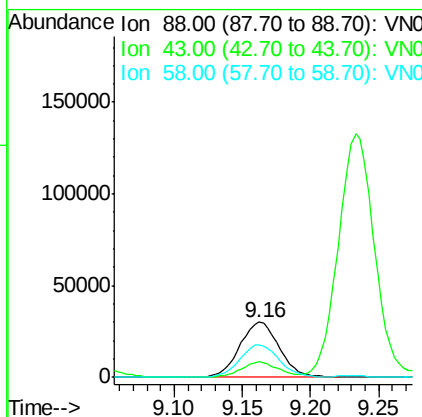
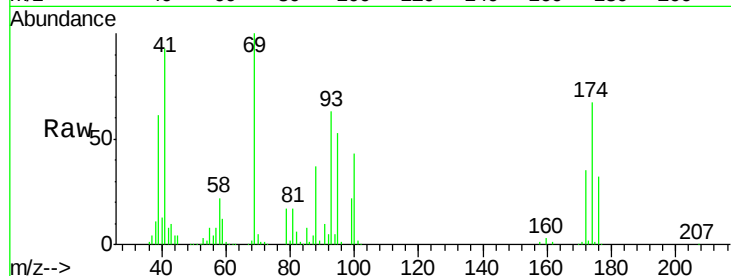
#49
1,4-Dioxane
Concen: 1201.346 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	60829
Ion	Ratio	Lower	Upper
88	100		
43	26.0	23.1	34.7
58	58.8	48.3	72.5

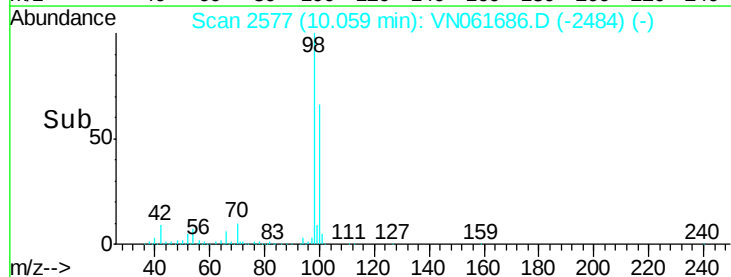
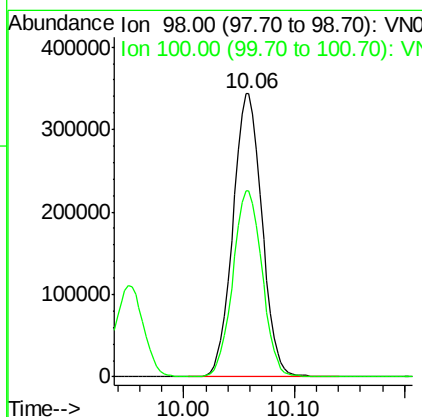
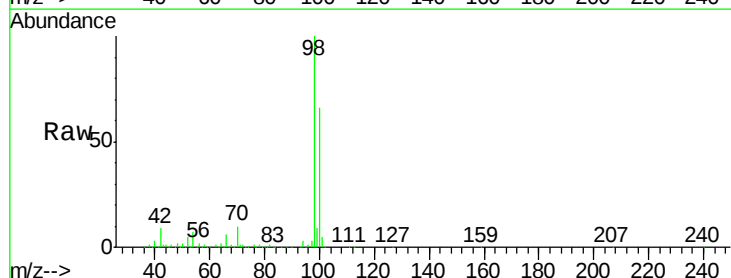
Manual Integrations
APPROVED

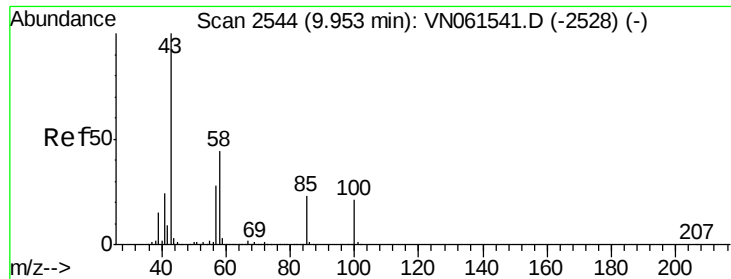
MMDadoda
6/9/2020 1:46:01 PM



#50
Toluene-d8
Concen: 47.100 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	98	Resp	627039
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 222.542 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 911041

Ion Ratio Lower Upper

43 100

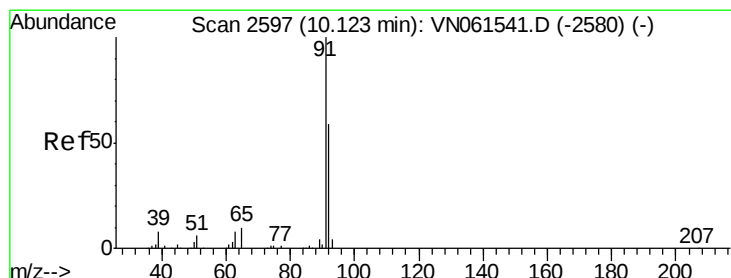
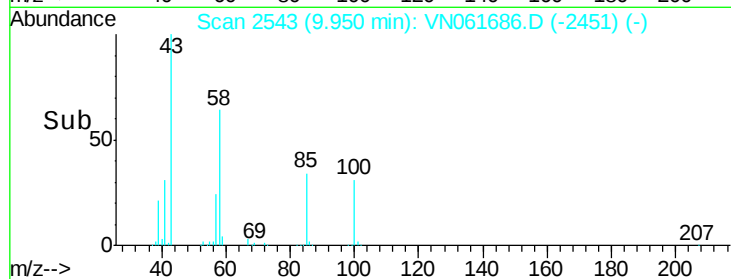
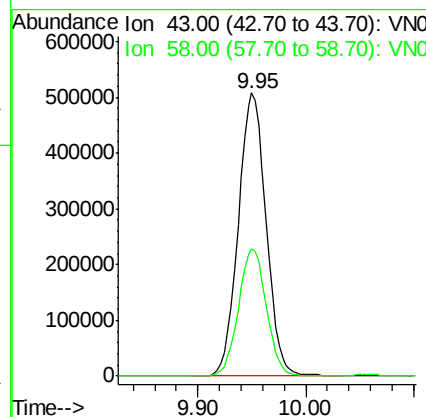
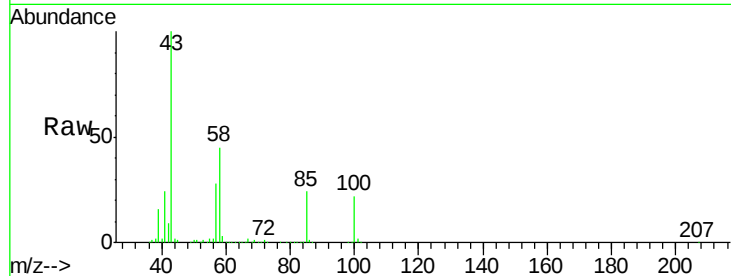
58 45.1 35.0 52.6

Manual Integrations

APPROVED

MMDadoda

6/9/2020 1:46:01 PM



#52

Toluene

Concen: 50.863 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN061686.D

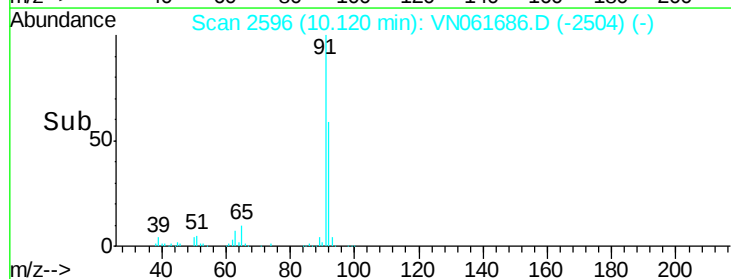
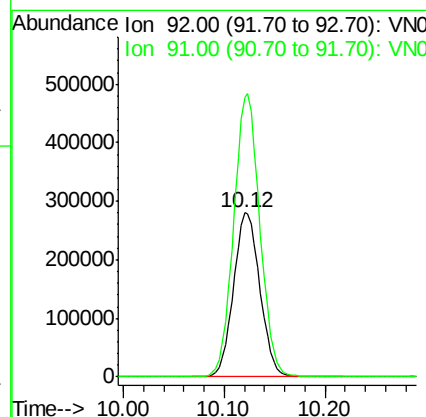
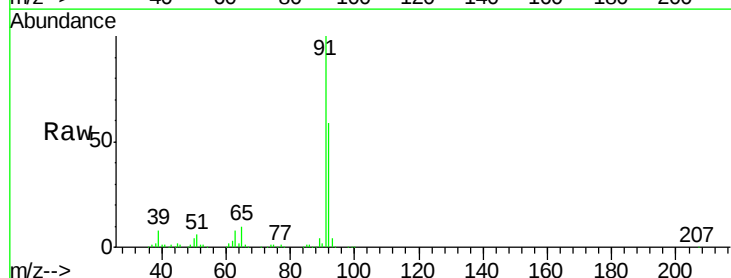
Acq: 8 Jun 2020 10:54

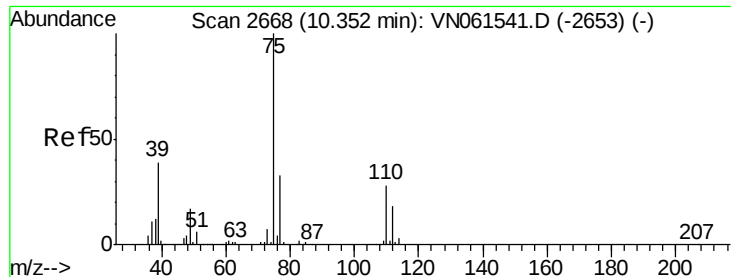
Tgt Ion: 92 Resp: 513516

Ion Ratio Lower Upper

92 100

91 169.7 136.4 204.6





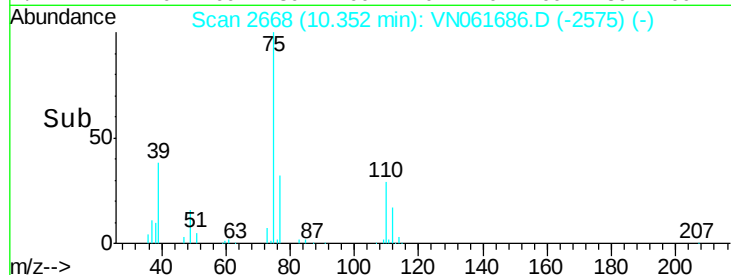
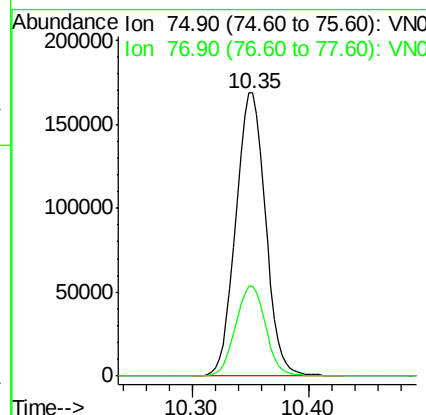
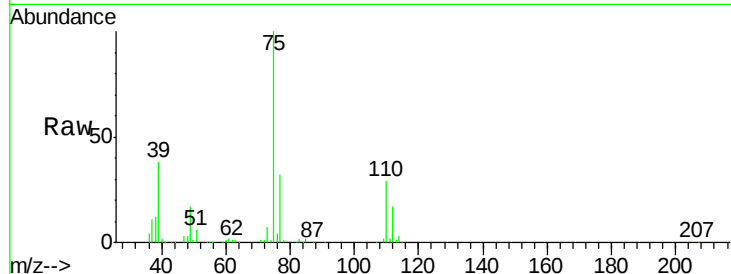
#53
t-1,3-Dichloropropene
Concen: 49.696 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4

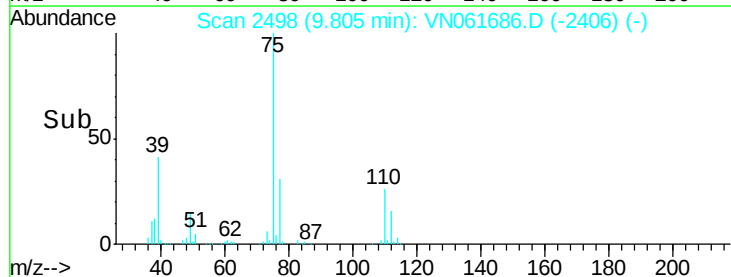
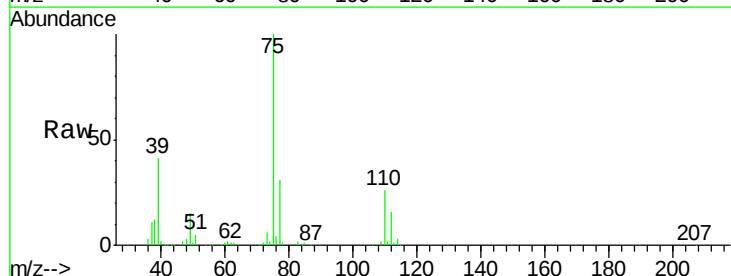
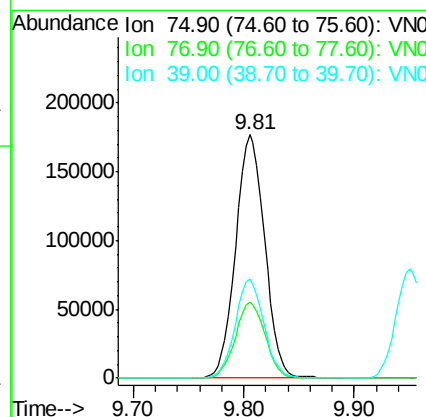
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#54
cis-1,3-Dichloropropene
Concen: 50.108 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	40.6	33.8	50.6





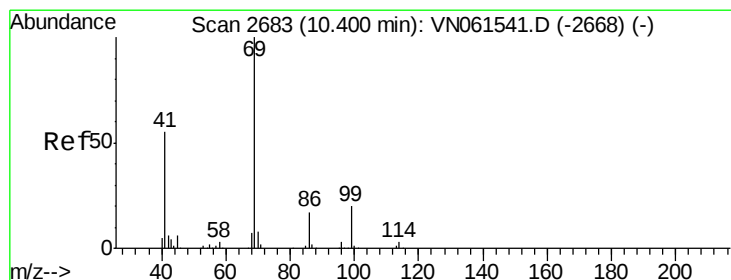
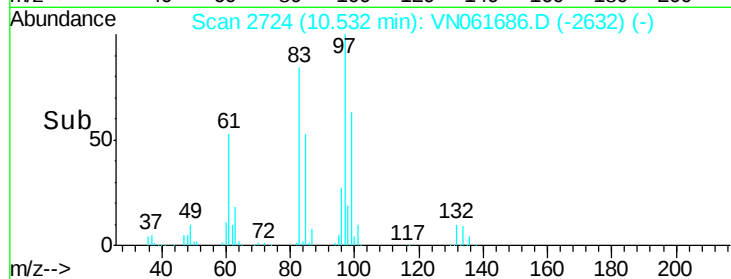
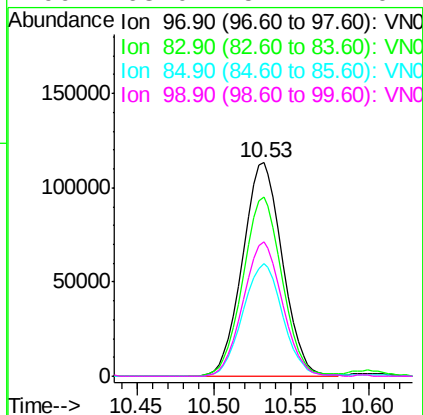
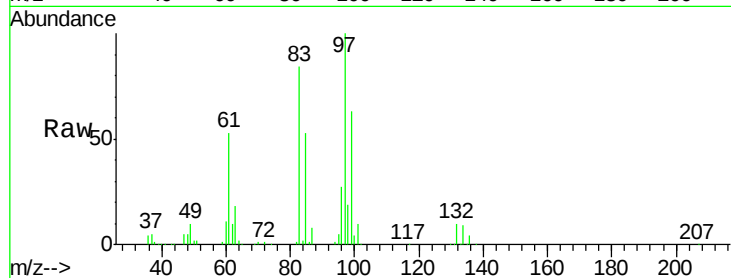
#55
 1,1,2-Trichloroethane
 Concen: 50.535 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	203267
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.1	102.1
85	52.6	44.1	66.1
99	63.0	51.1	76.7

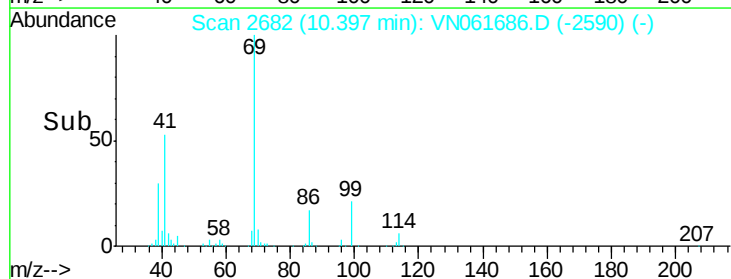
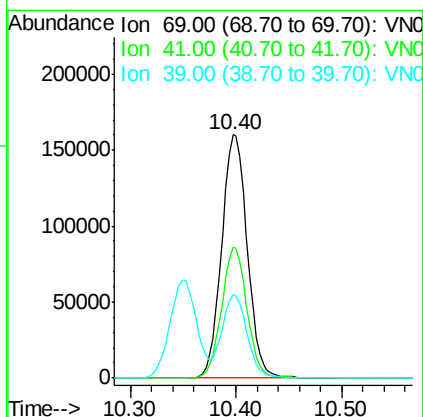
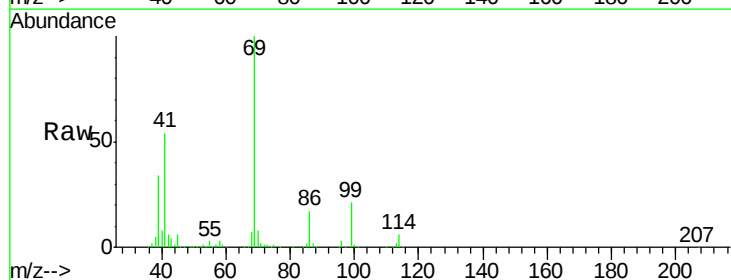
Manual Integrations
 APPROVED

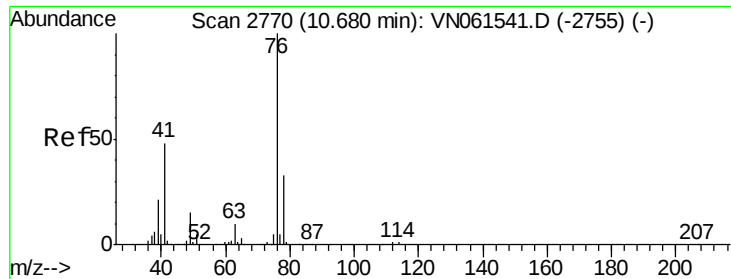
MMDadoda
 6/9/2020 1:46:01 PM



#56
 Ethyl methacrylate
 Concen: 47.982 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion:	69	Resp:	269601
Ion	Ratio	Lower	Upper
69	100		
41	52.5	43.5	65.3
39	33.8	27.0	40.6





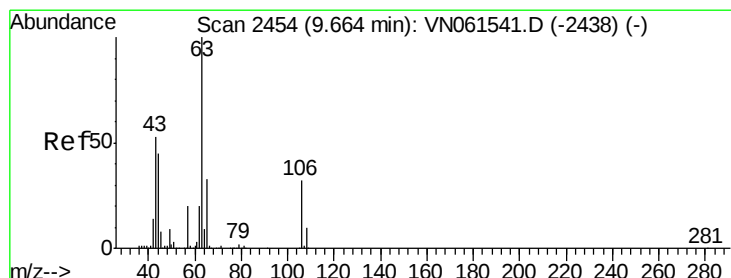
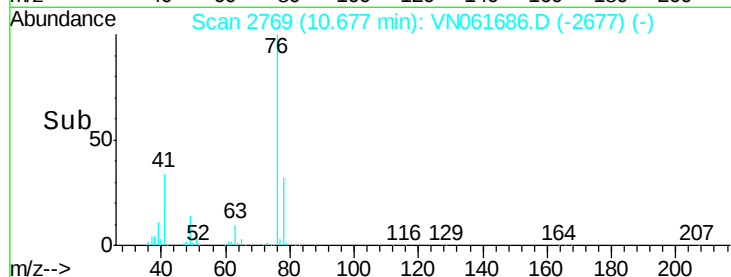
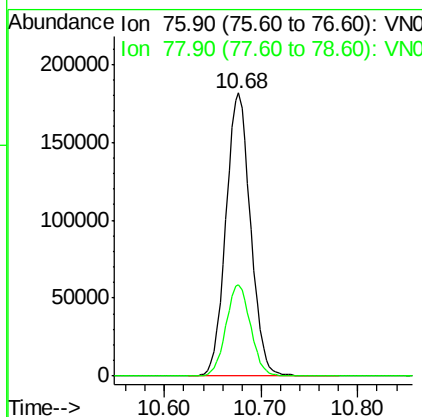
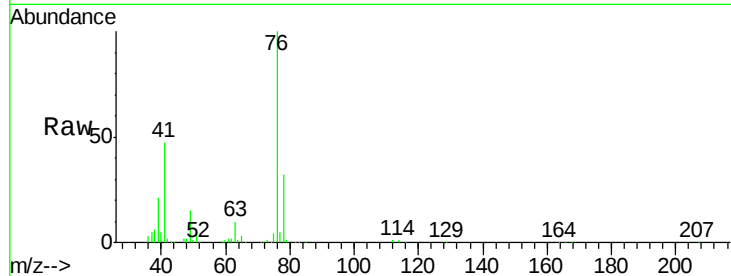
#57
 1,3-Dichloropropane
 Concen: 49.898 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

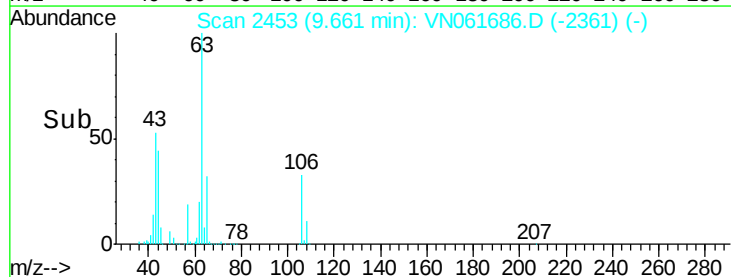
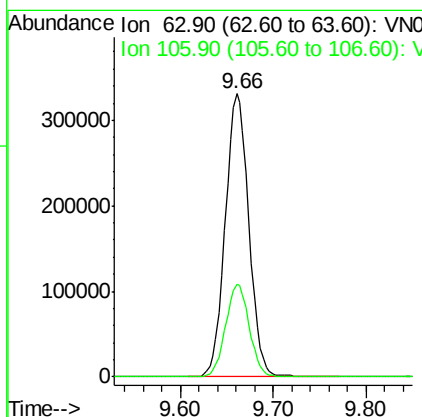
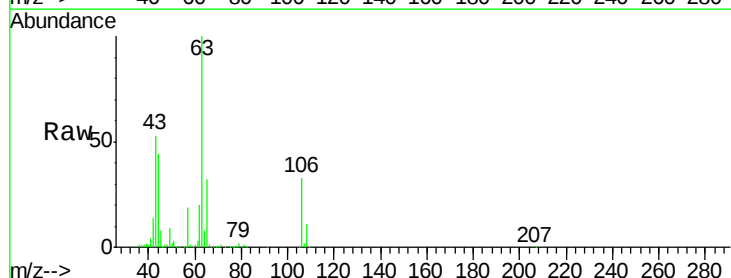
Manual Integrations
 APPROVED

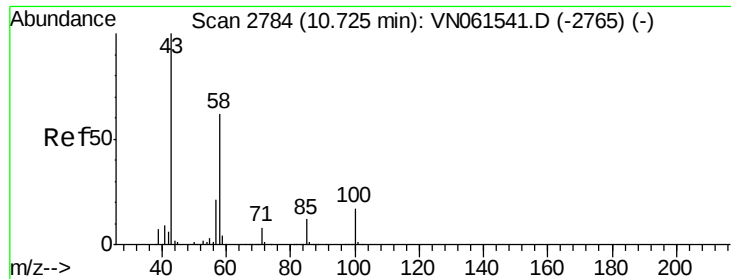
MMDadoda
 6/9/2020 1:46:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.293 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.9	38.9





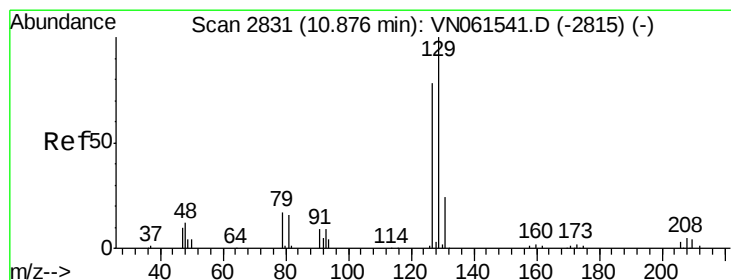
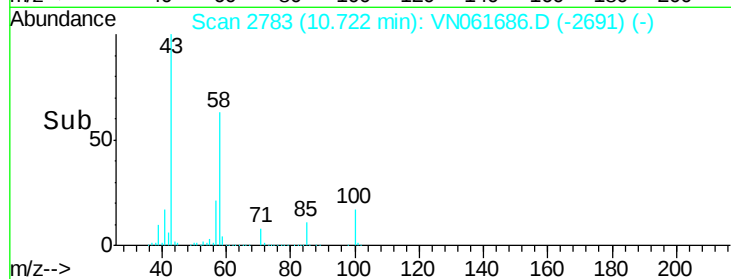
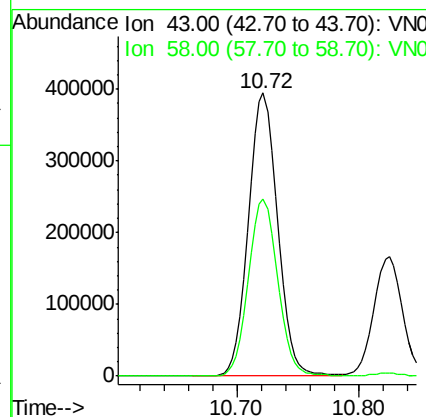
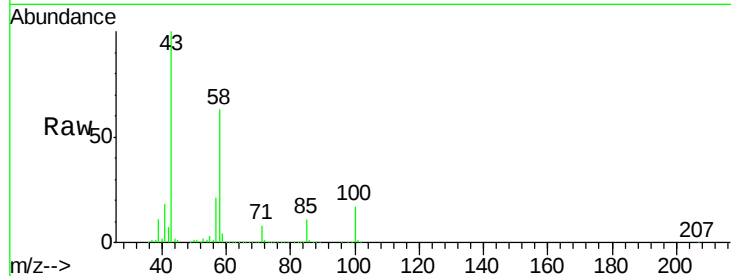
#59
2-Hexanone
Concen: 220.617 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 648626
Ion Ratio Lower Upper
43 100
58 63.1 30.7 92.1

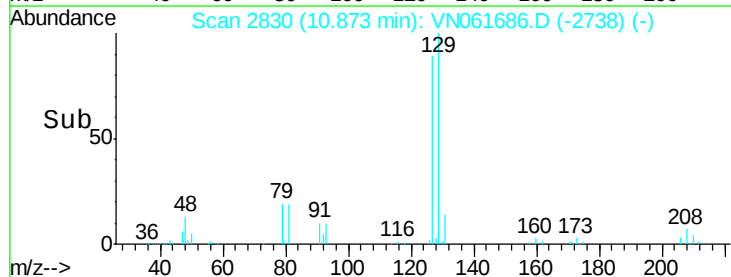
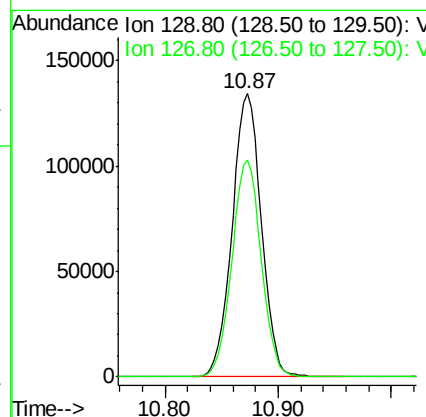
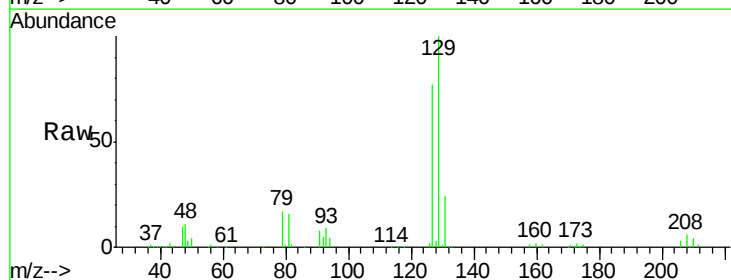
Manual Integrations
APPROVED

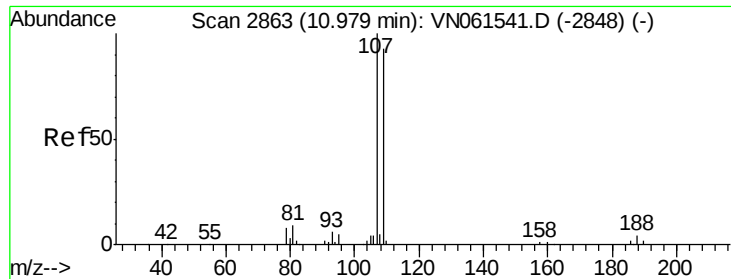
MMDadoda
6/9/2020 1:46:01 PM



#60
Dibromochloromethane
Concen: 52.727 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion: 129 Resp: 241110
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





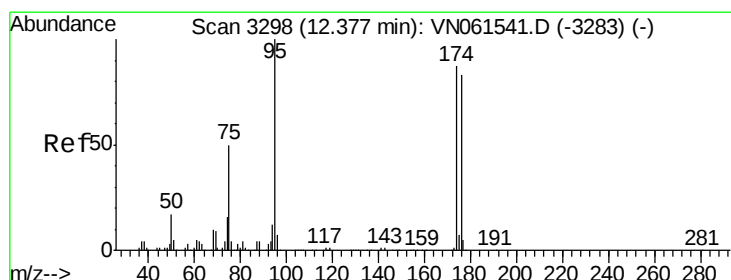
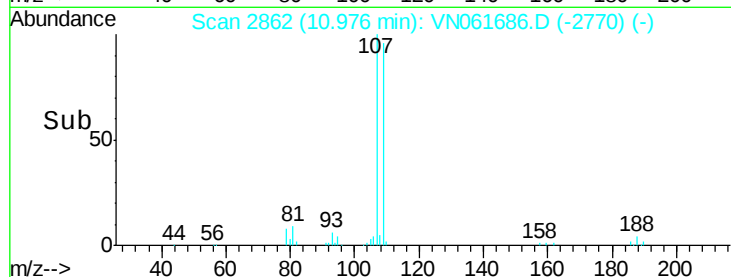
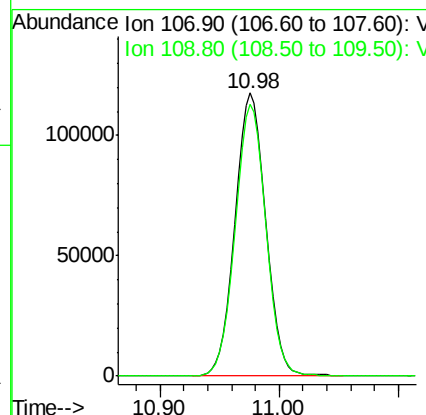
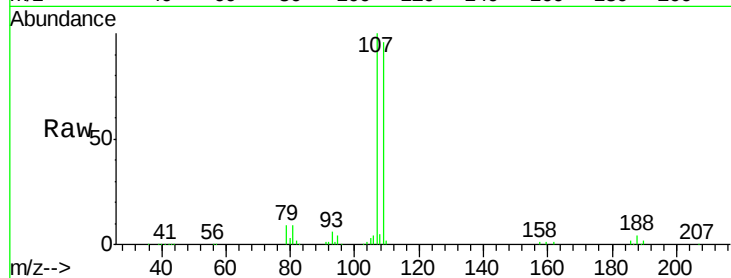
#61
 1,2-Dibromoethane
 Concen: 50.099 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.1	114.1

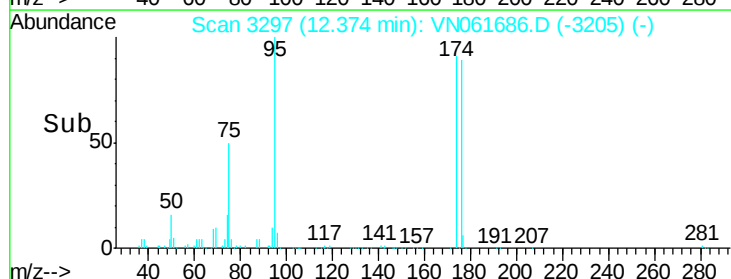
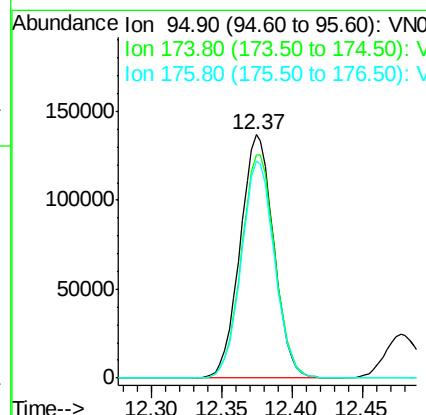
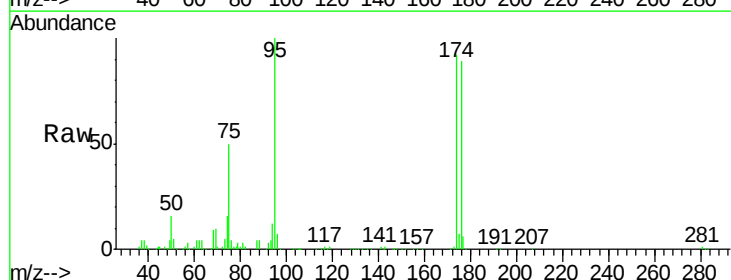
Manual Integrations
 APPROVED

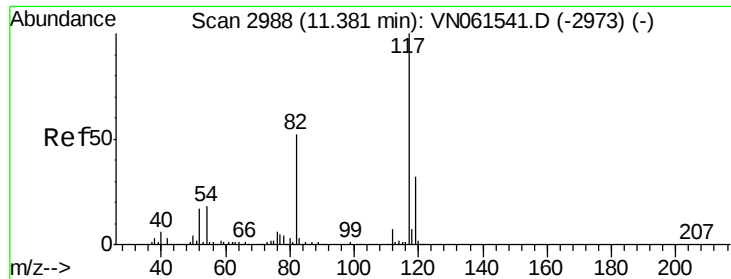
MMDadoda
 6/9/2020 1:46:01 PM



#62
 4-Bromofluorobenzene
 Concen: 47.046 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	172.8
176	88.1	0.0	164.8





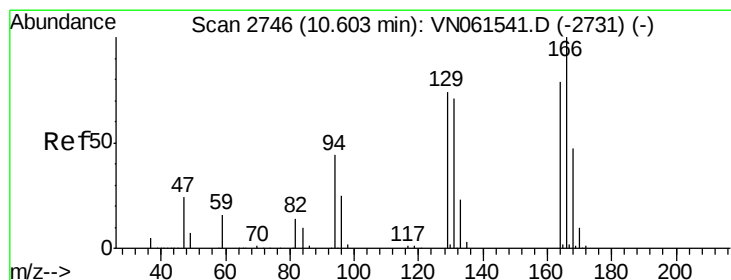
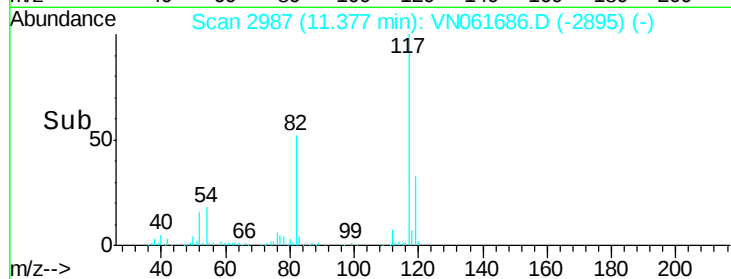
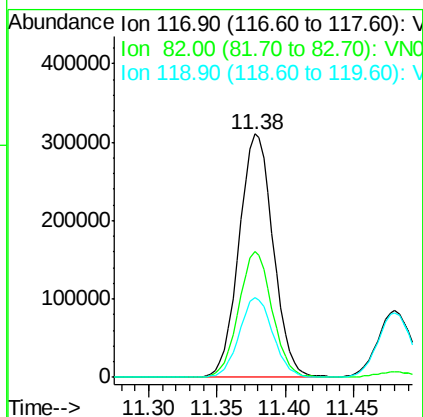
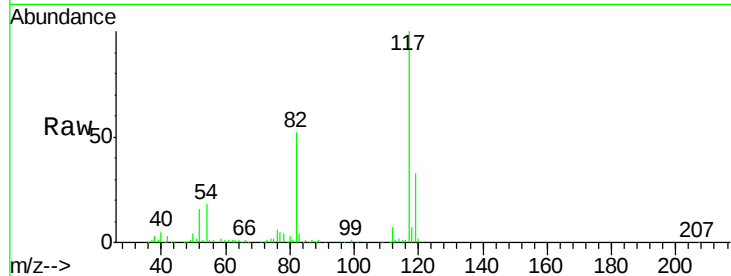
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.5	62.3
119	32.7	25.6	38.4

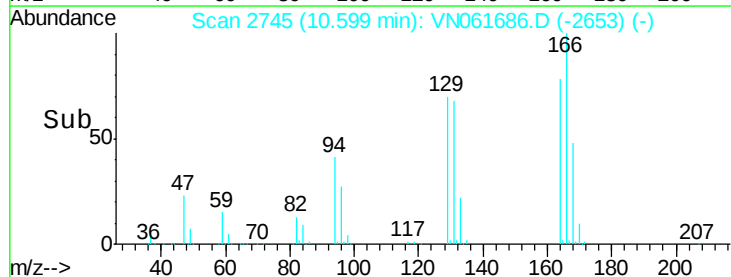
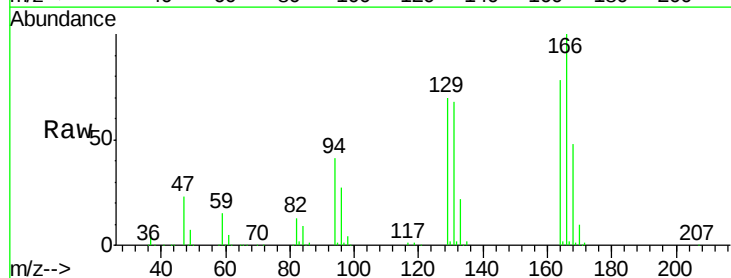
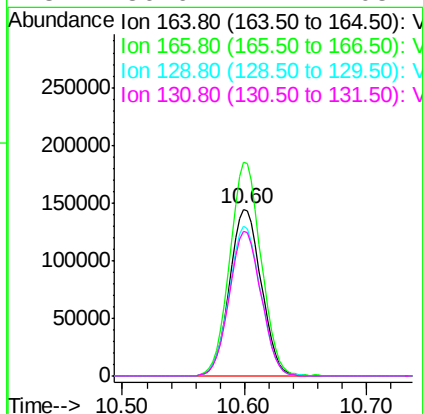
Manual Integrations
APPROVED

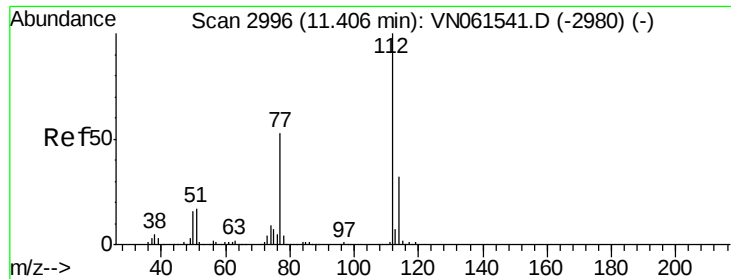
MMDadoda
6/9/2020 1:46:01 PM



#64
Tetrachloroethene
Concen: 51.436 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.5	152.3
129	90.1	74.9	112.3
131	86.6	72.2	108.2





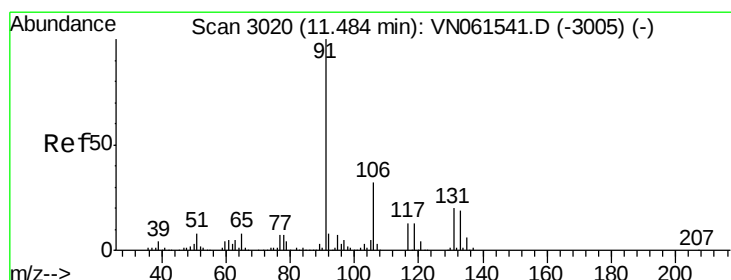
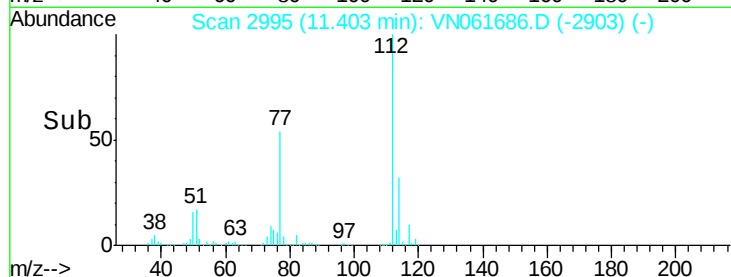
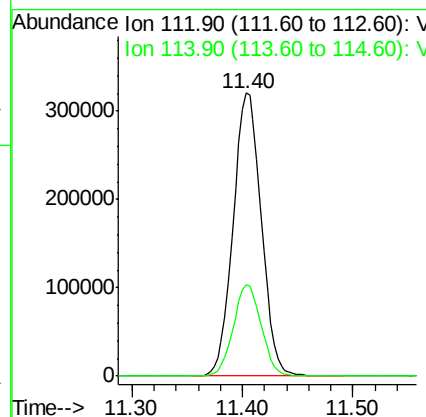
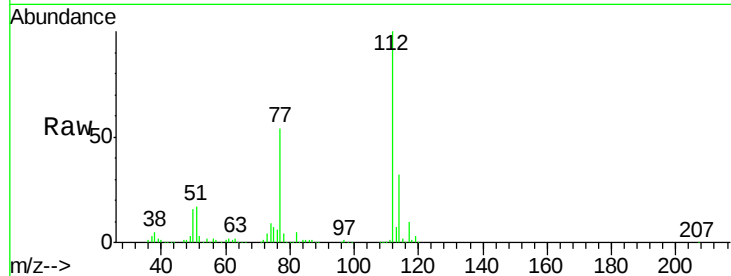
#65
Chlorobenzene
Concen: 50.537 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 567646
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

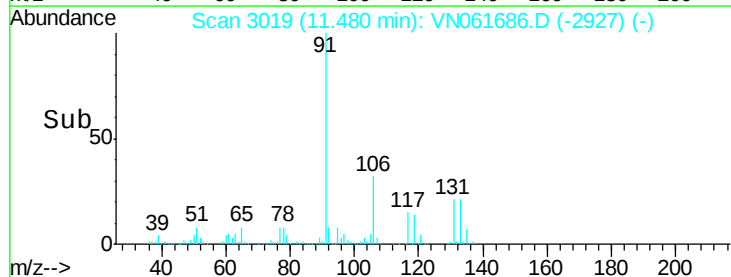
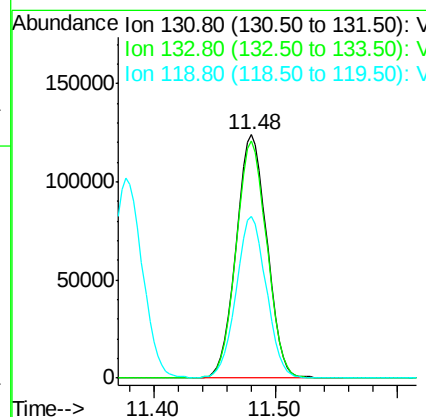
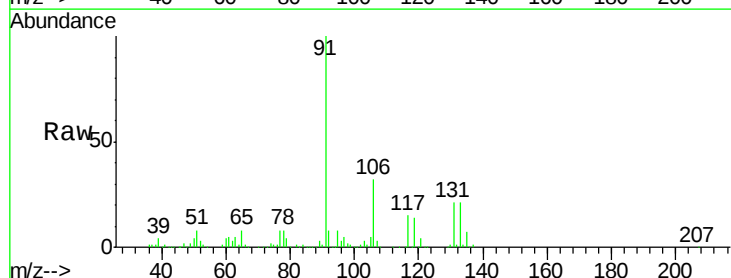
Manual Integrations
APPROVED

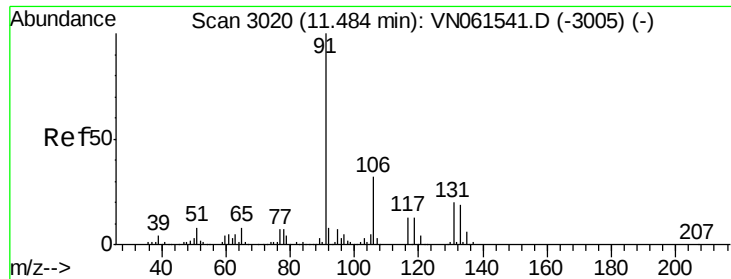
MMDadoda
6/9/2020 1:46:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.887 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion:131 Resp: 217009
Ion Ratio Lower Upper
131 100
133 97.2 47.4 142.2
119 65.3 32.6 97.8





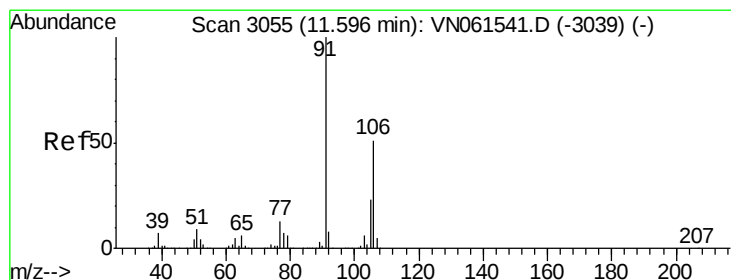
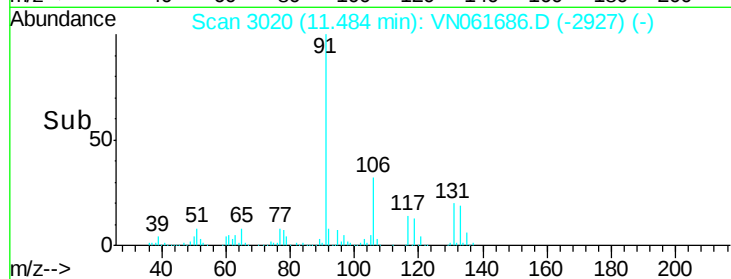
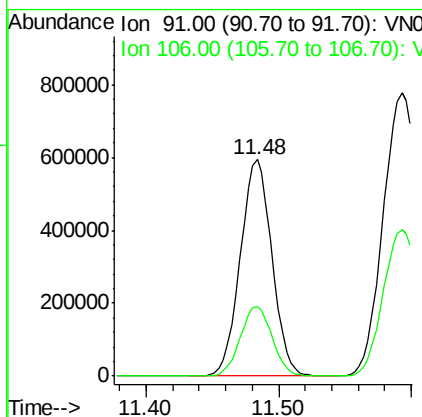
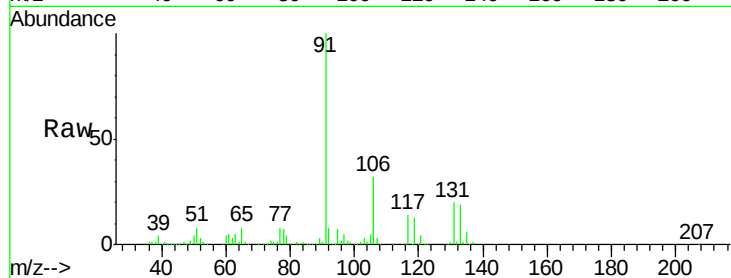
#67
Ethyl Benzene
Concen: 50.672 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.6	38.4

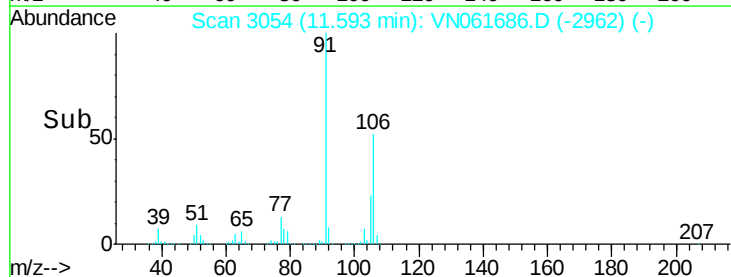
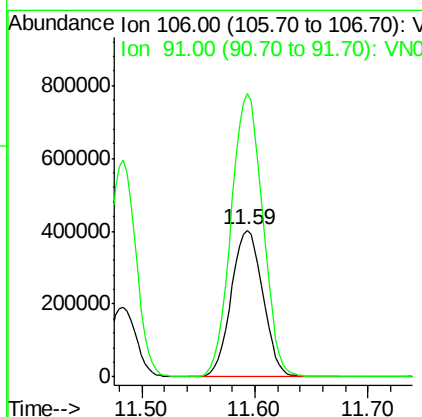
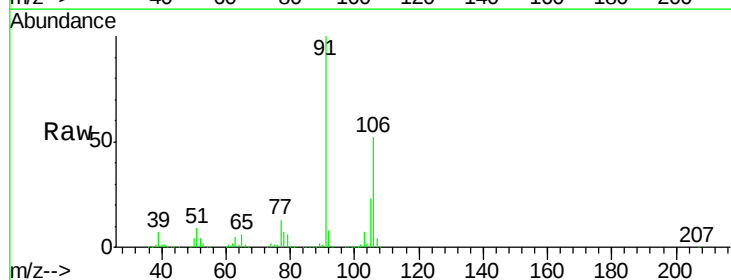
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#68
m/p-Xylenes
Concen: 101.863 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.0	156.2	234.4





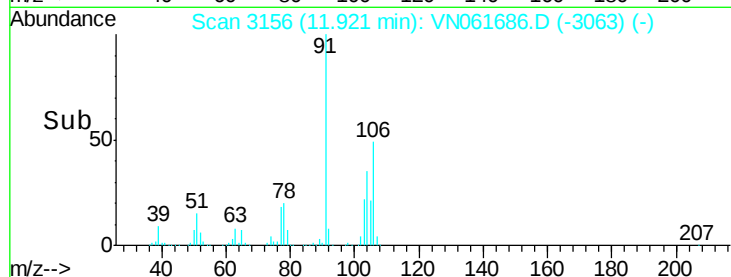
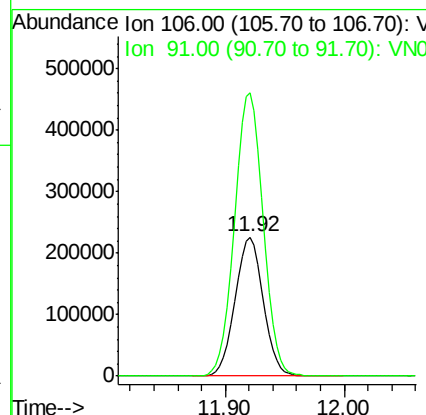
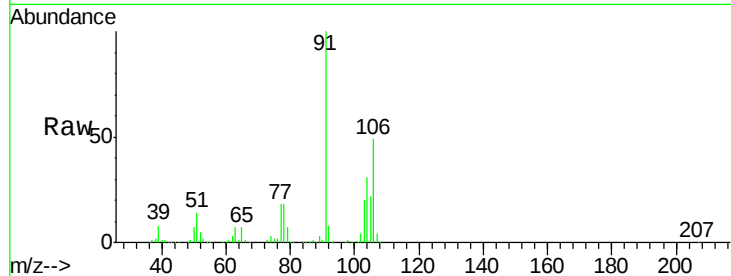
#69
o-Xylene
Concen: 50.821 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.5	103.3	371565	309.8	

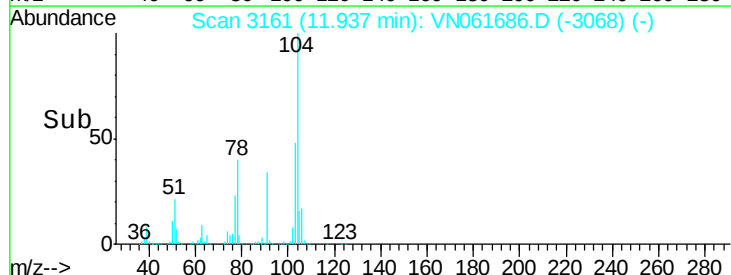
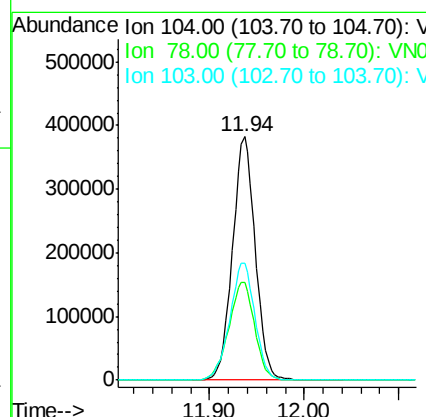
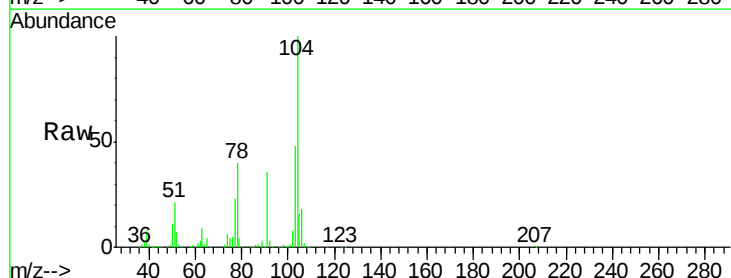
Manual Integrations
APPROVED

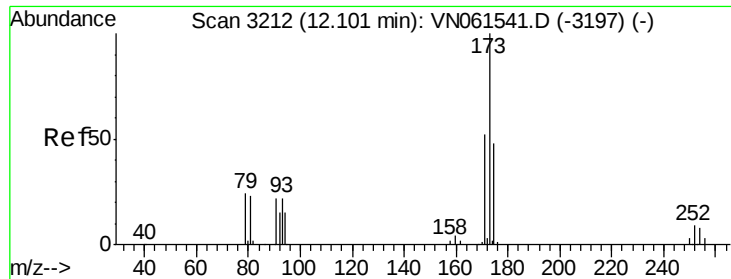
MMDadoda
6/9/2020 1:46:01 PM



#70
Styrene
Concen: 52.914 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.6	37.4	640662	56.0	
103	52.9	42.3		63.5	





#71

Bromoform

Concen: 53.161 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 171326

Ion Ratio Lower Upper

173 100

175 47.8 24.4 73.2

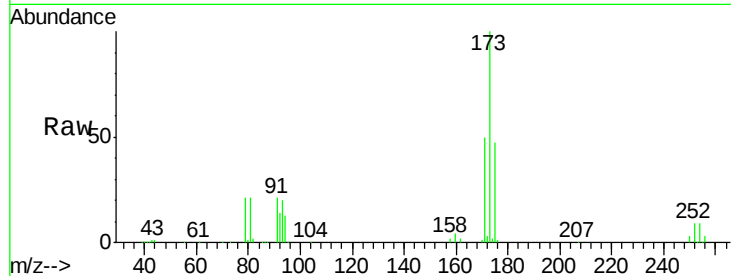
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

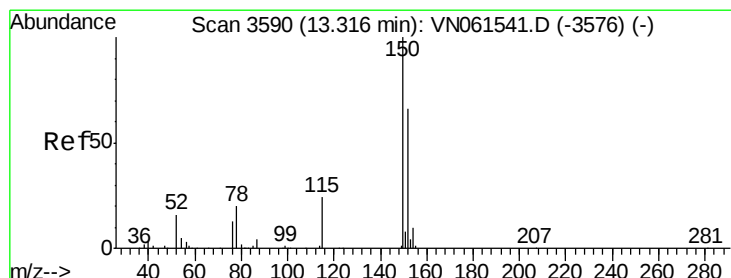
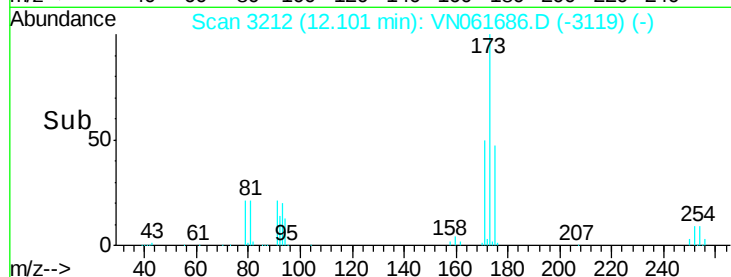
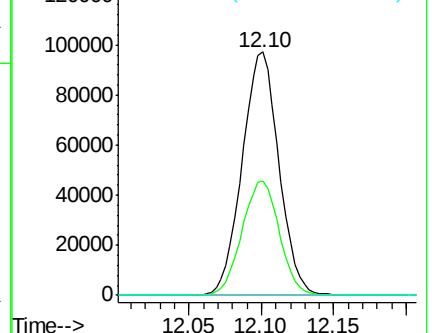
6/9/2020 1:46:01 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

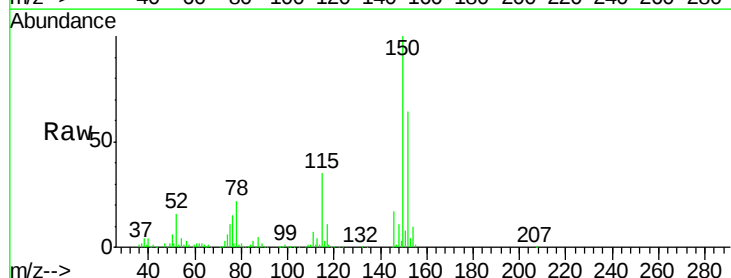
Tgt Ion:152 Resp: 280750

Ion Ratio Lower Upper

152 100

115 55.2 28.0 84.0

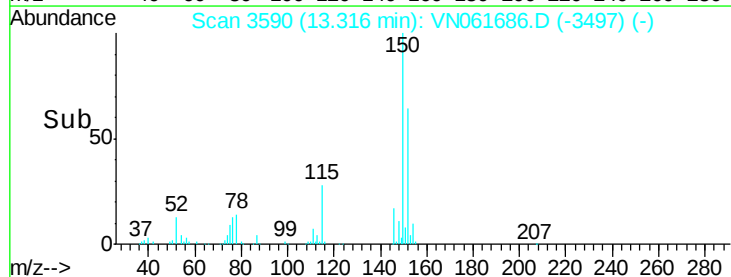
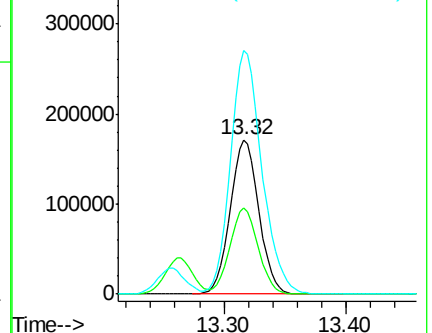
150 173.0 0.0 344.0

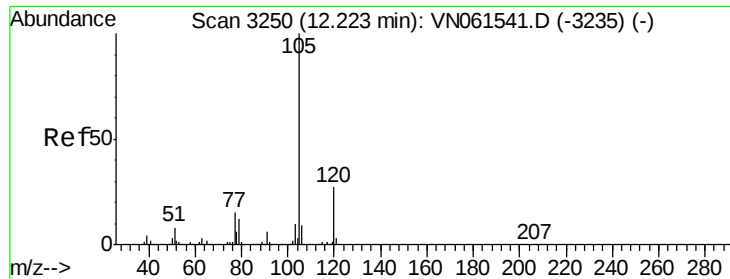


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.383 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 991411

Ion Ratio Lower Upper

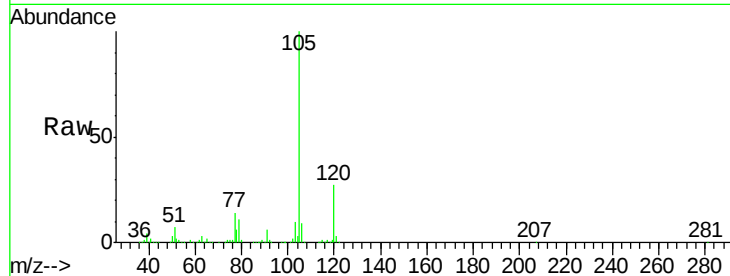
105 100

120 27.0 13.8 41.3

Manual Integrations
APPROVED

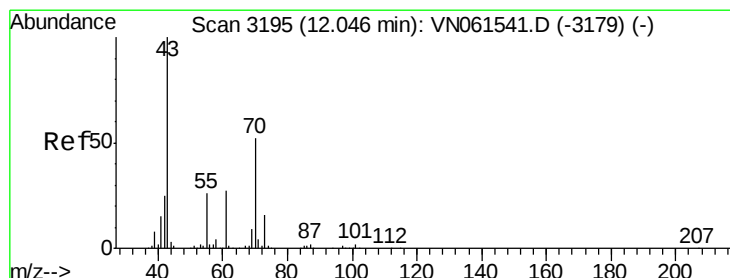
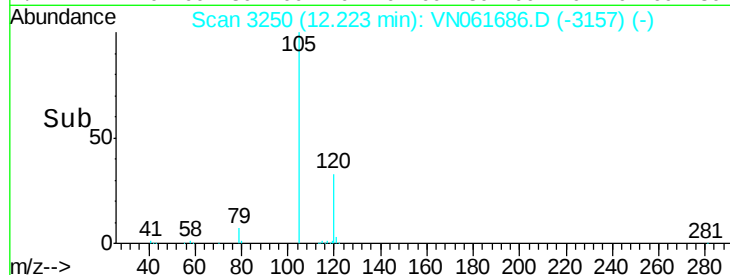
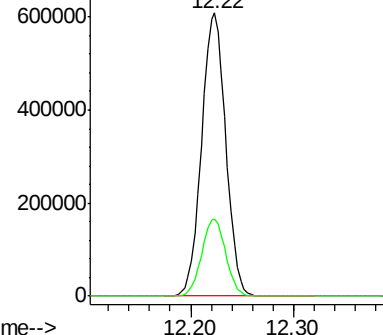
MMDadoda

6/9/2020 1:46:01 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: 42.863 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion: 43 Resp: 276603

Ion Ratio Lower Upper

43 100

70 52.1 40.5 60.7

55 27.6 20.6 31.0

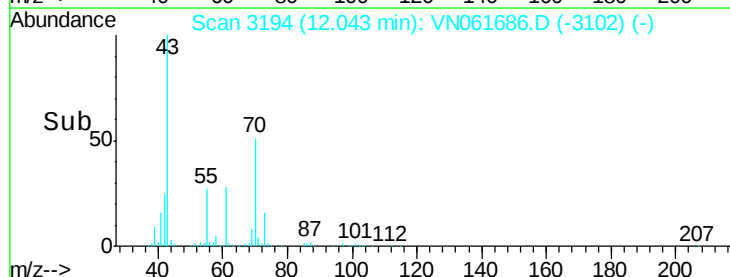
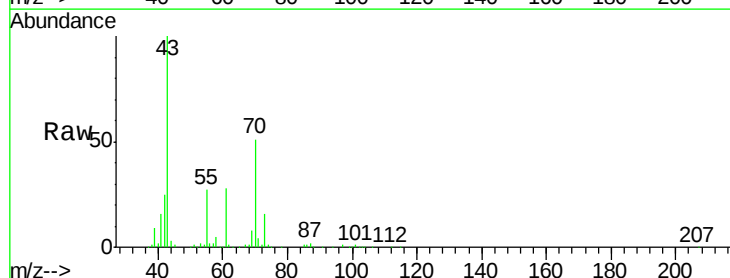
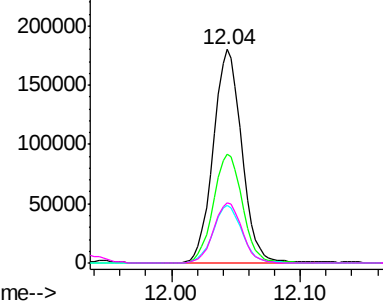
61 28.0 21.8 32.6

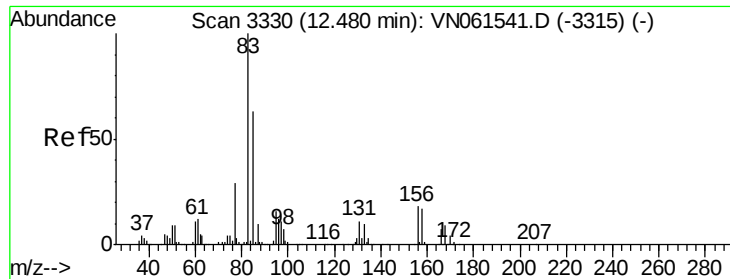
Abundance Ion 43.00 (42.70 to 43.70): V

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: 43.966 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

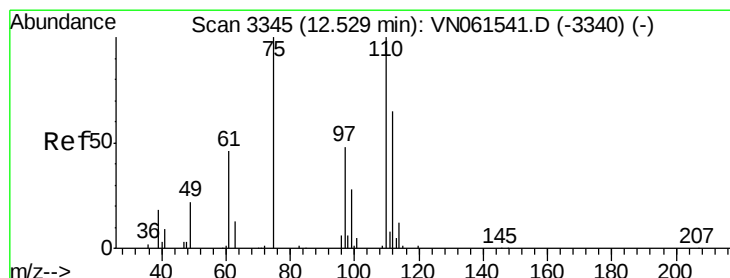
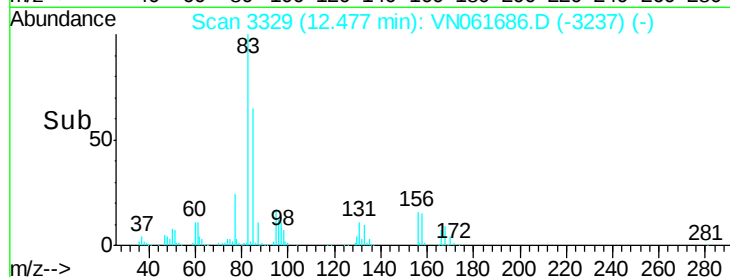
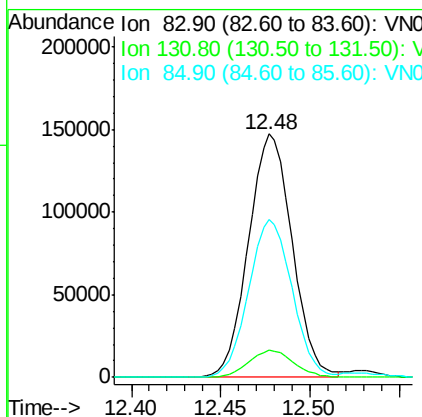
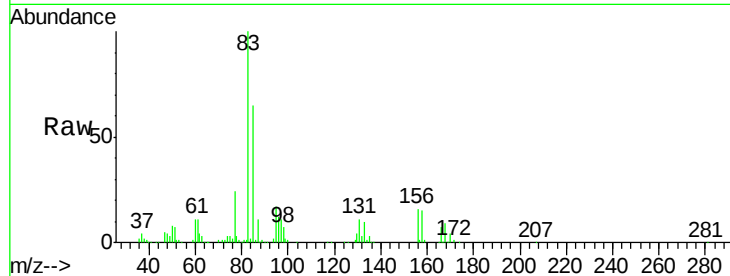
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	252464
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.5
85	64.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#76

1,2,3-Trichloropropane

Concen: 45.560 ug/l m

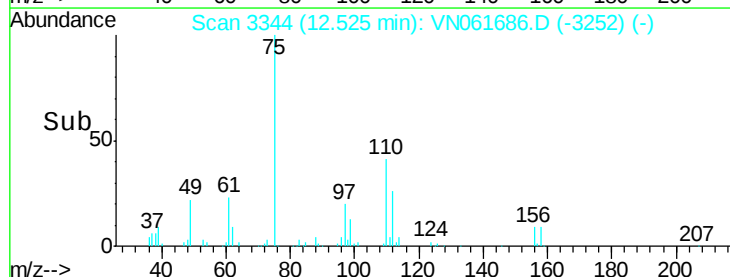
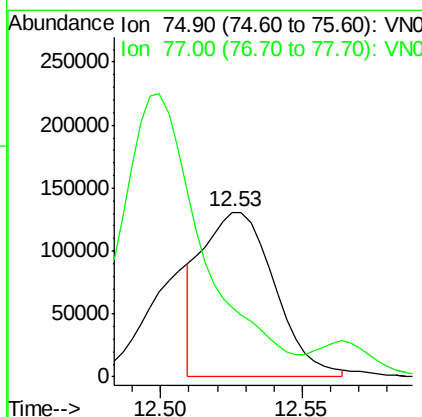
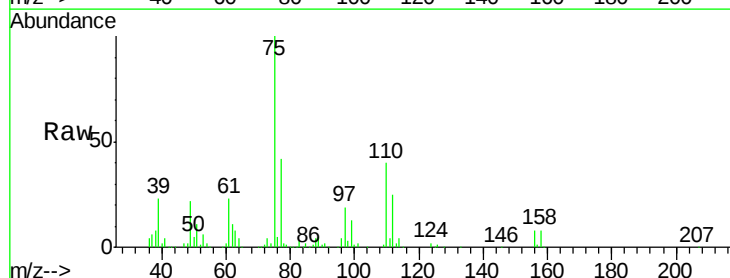
RT: 12.53 min Scan# 3344

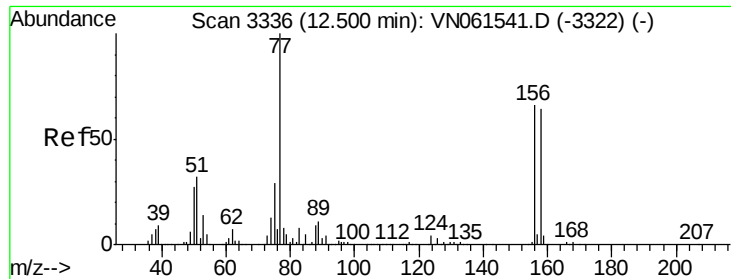
Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion:	75	Resp:	232588
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.748 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

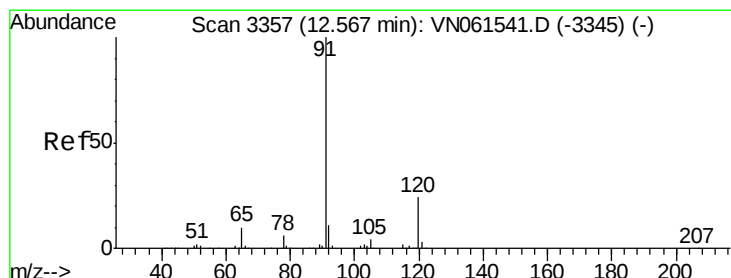
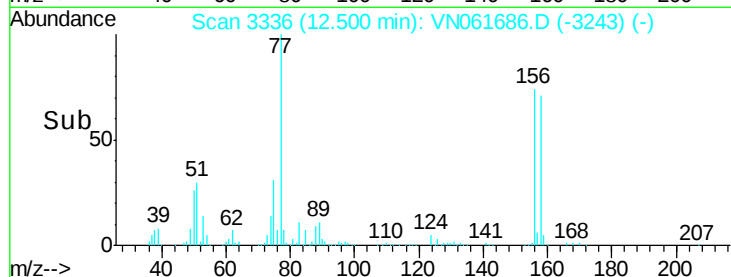
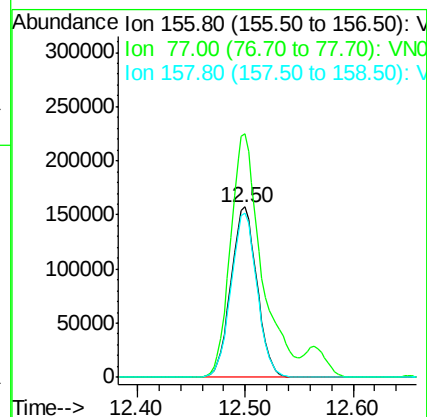
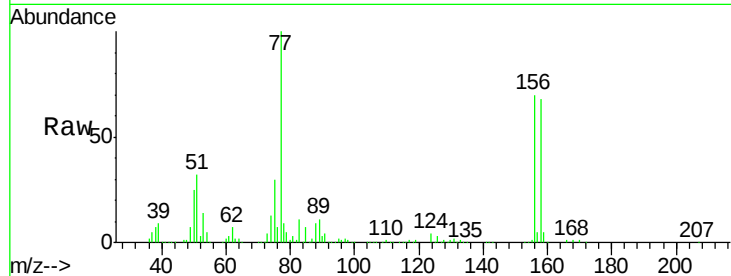
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.3	90.9	272.7
158	96.1	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#78

n-propylbenzene

Concen: 48.988 ug/l

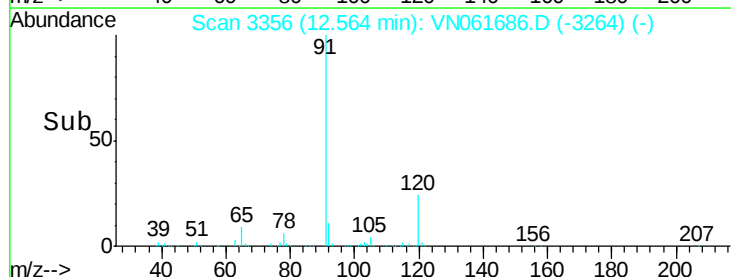
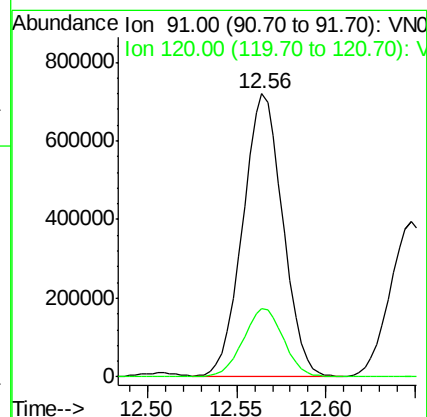
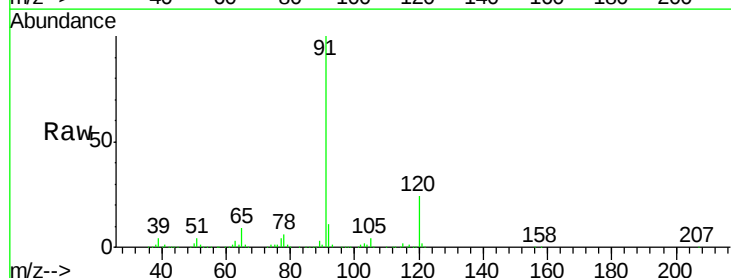
RT: 12.56 min Scan# 3356

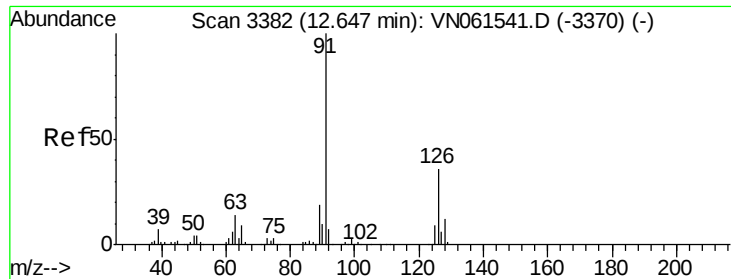
Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.9





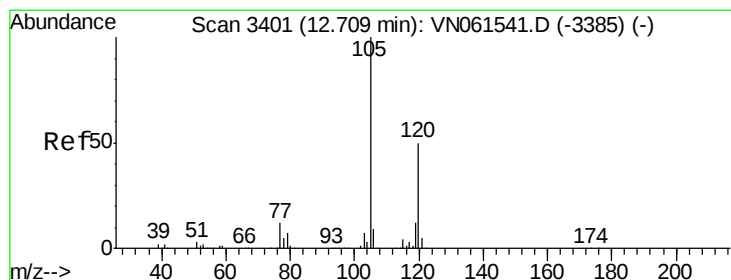
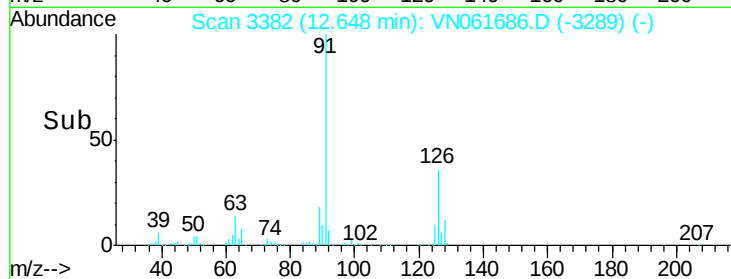
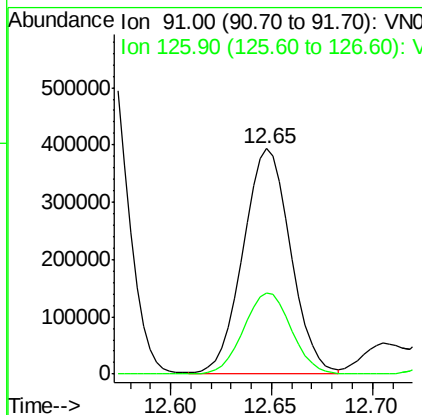
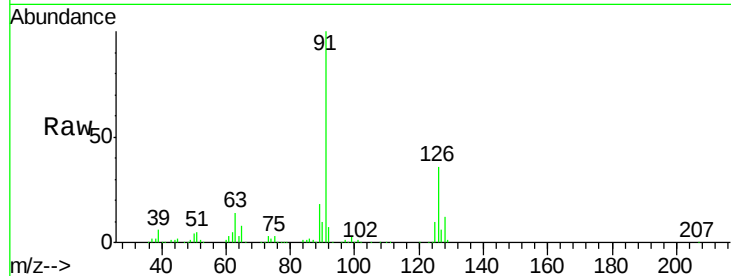
#79
 2-Chlorotoluene
 Concen: 47.322 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 645497
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.9 53.7

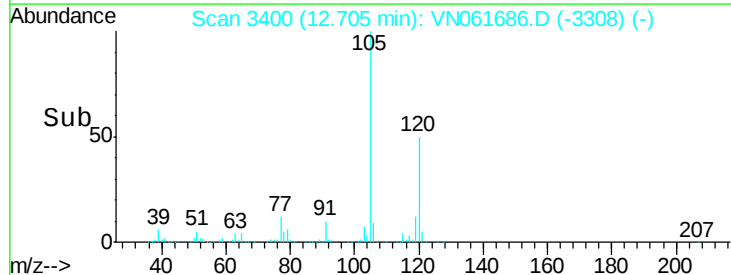
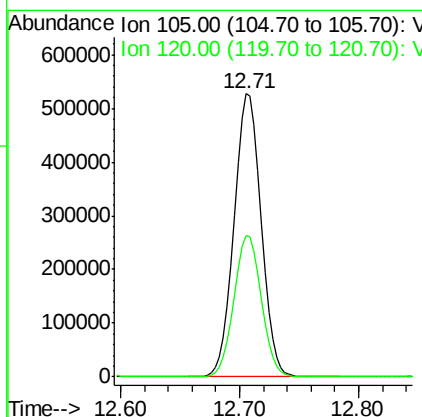
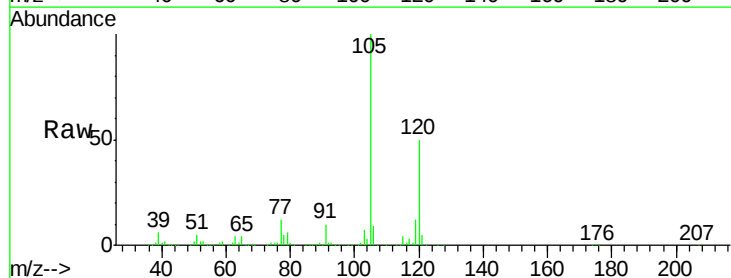
Manual Integrations
 APPROVED

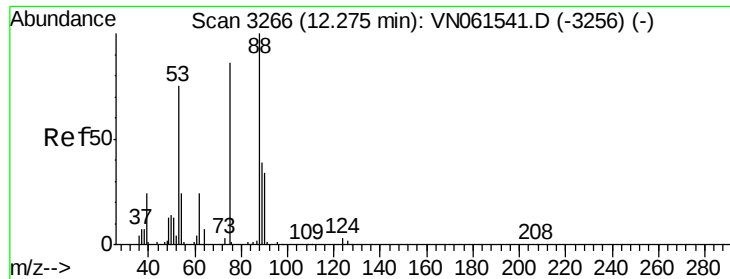
MMDadoda
 6/9/2020 1:46:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.426 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion: 105 Resp: 829383
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.826 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

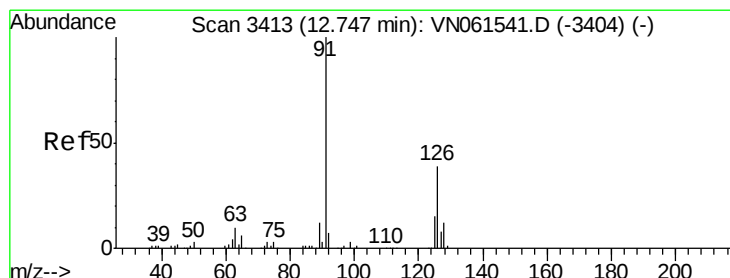
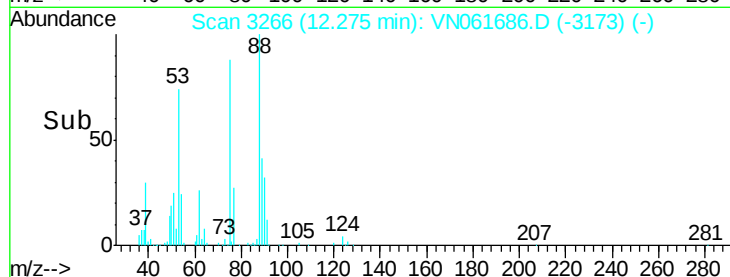
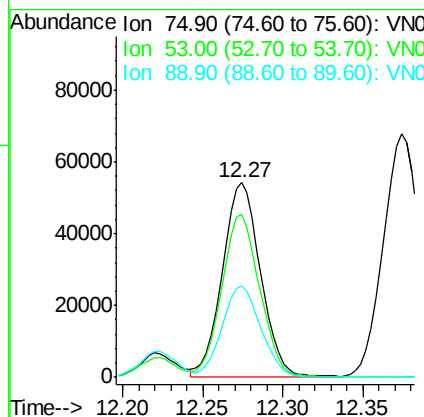
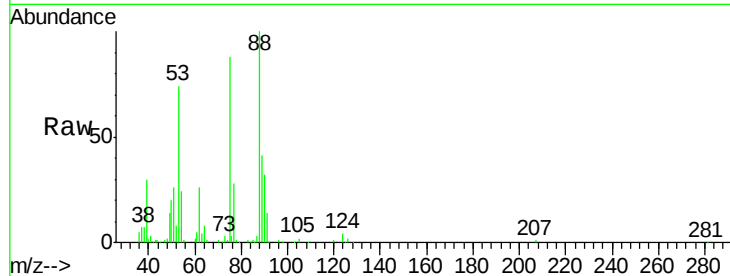
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	87491
Ion	Ratio	Lower	Upper
75	100		
53	84.0	67.8	101.8
89	48.4	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#82

4-Chlorotoluene

Concen: 47.597 ug/l

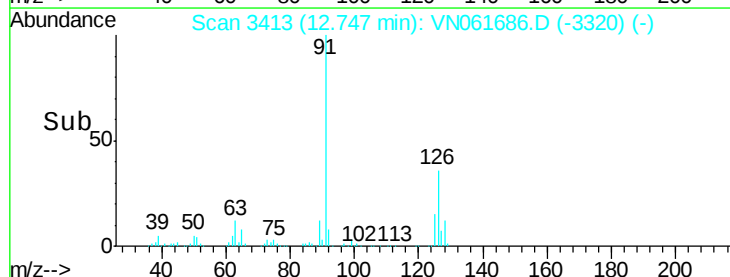
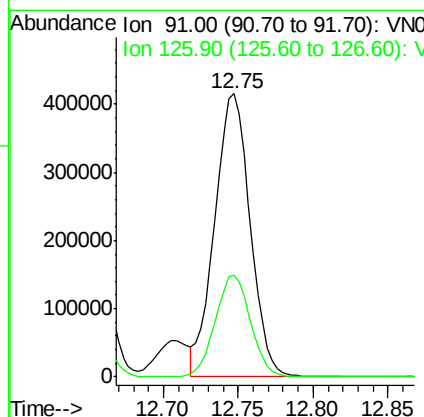
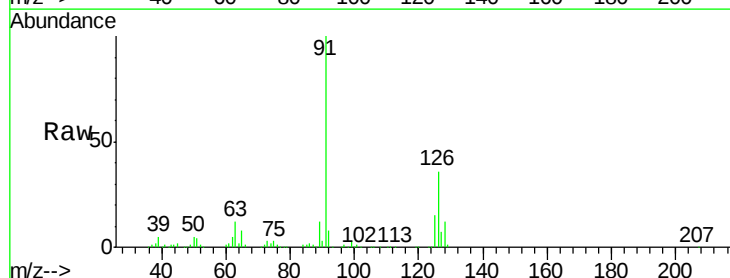
RT: 12.75 min Scan# 3413

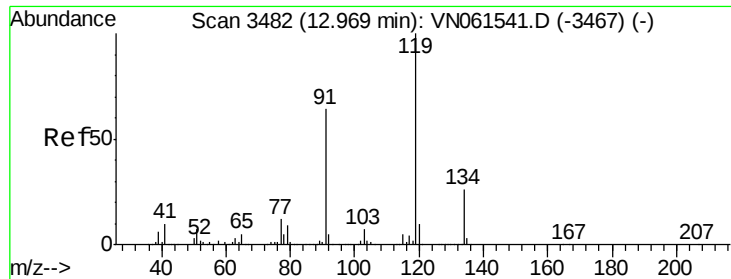
Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Tgt Ion:	91	Resp:	683018
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.5	52.6





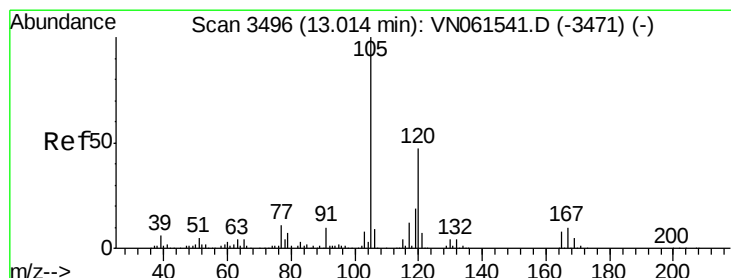
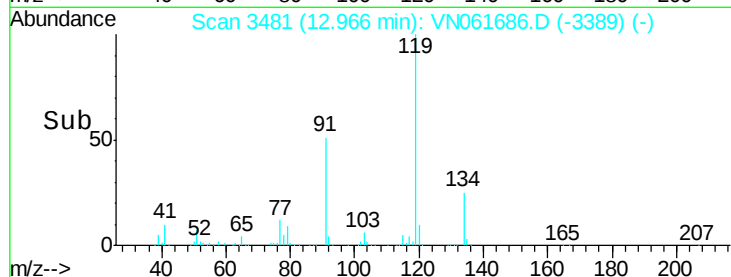
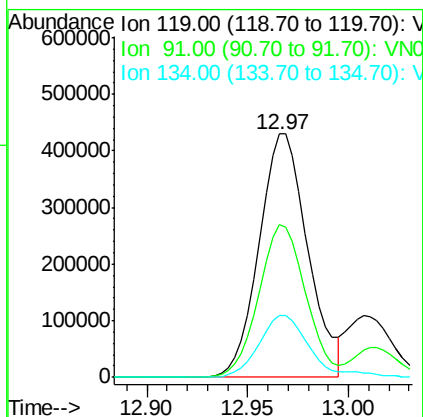
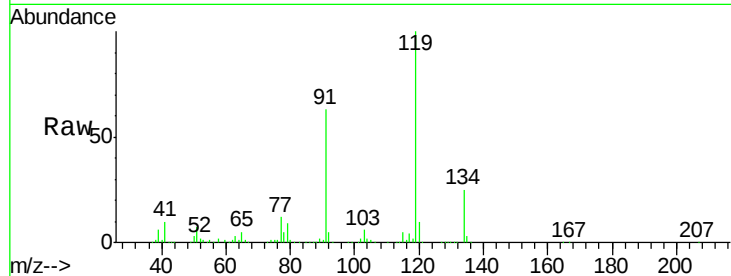
#83
tert-Butylbenzene
Concen: 47.718 ug/l
RT: 12.97 min Scan# 3481
Delta R.T. -0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	31.3	93.8
134	26.5	13.5	40.4

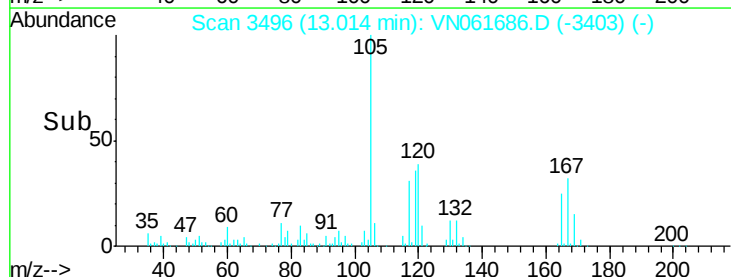
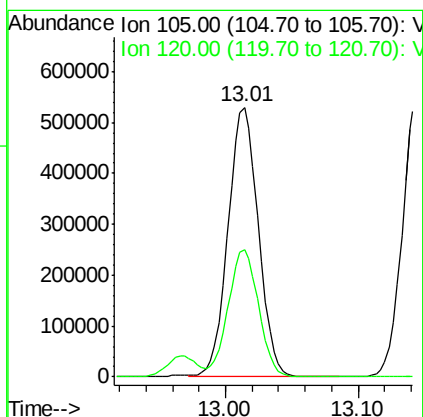
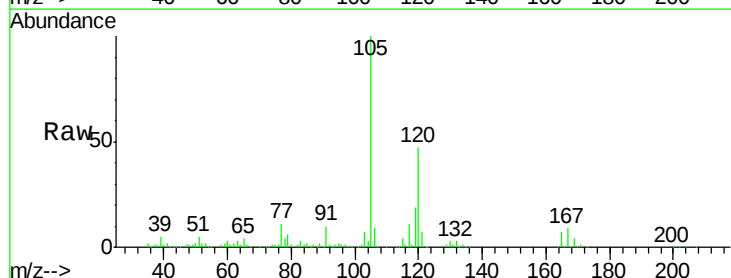
Manual Integrations
APPROVED

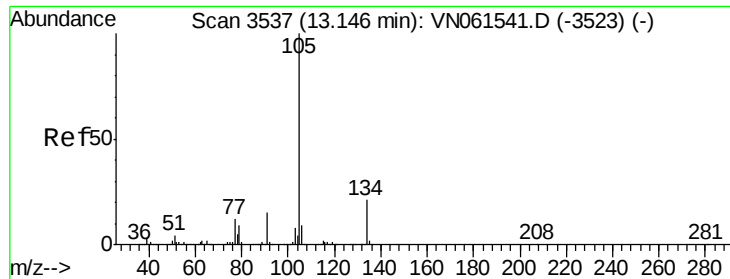
MMDadoda
6/9/2020 1:46:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.305 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.2	69.5





#85

sec-Butylbenzene

Concen: 47.597 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 928096

Ion Ratio Lower Upper

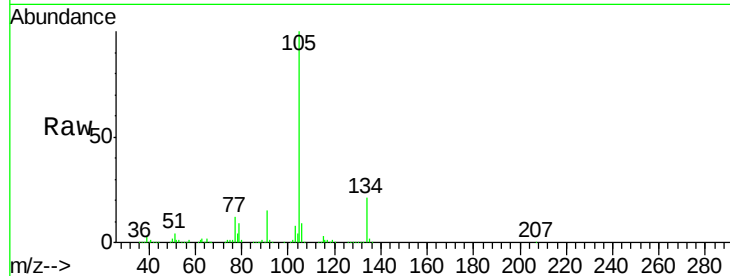
105 100

134 20.7 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

6/9/2020 1:46:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

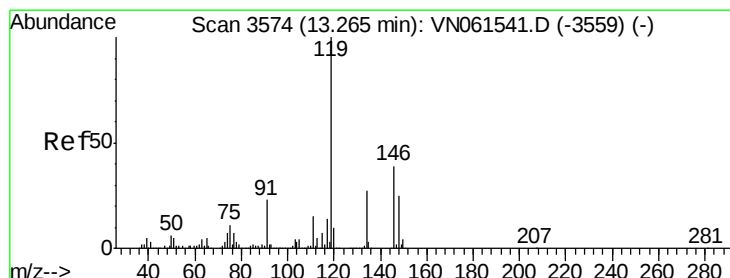
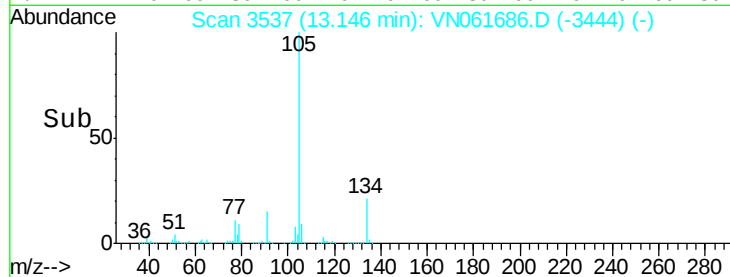
600000

400000

200000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 48.629 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061686.D

Acq: 8 Jun 2020 10:54

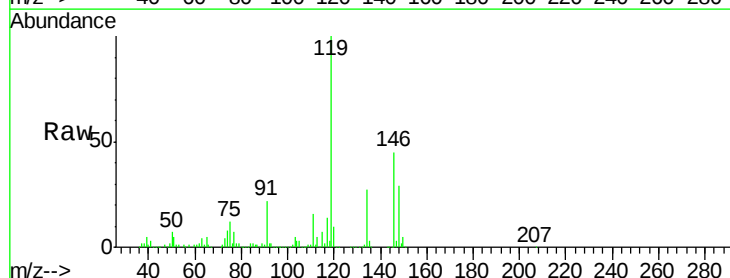
Tgt Ion:119 Resp: 873241

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 21.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

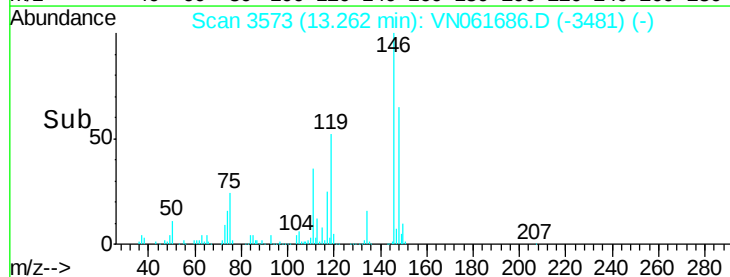
600000

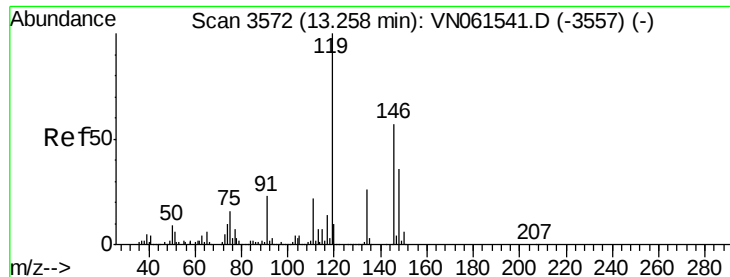
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





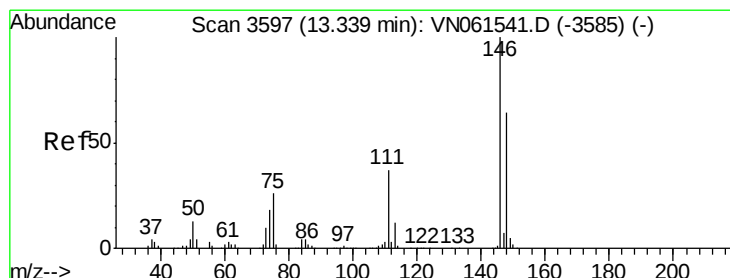
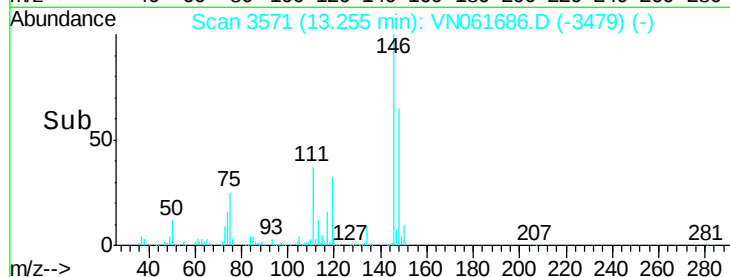
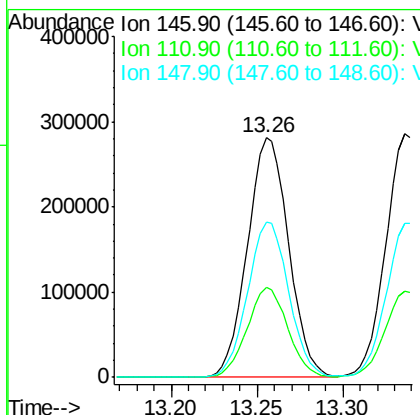
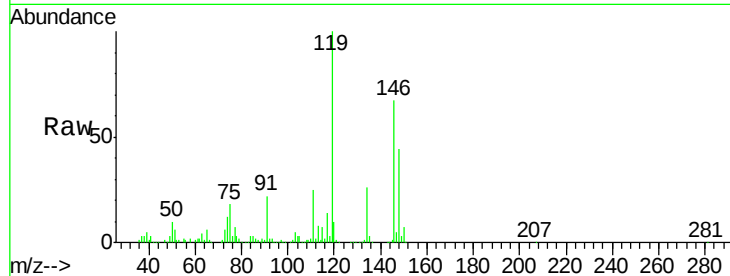
#87
 1,3-Dichlorobenzene
 Concen: 50.363 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	466473		
111	37.1	19.2	57.6	
148	64.8	31.7	95.1	

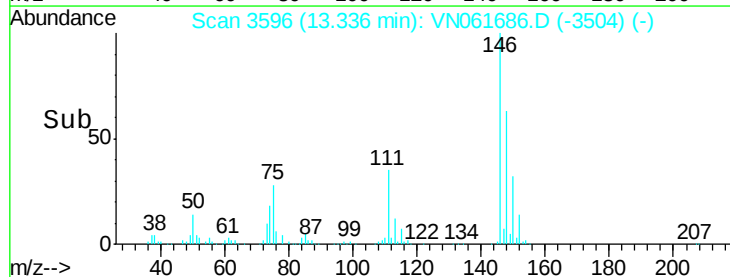
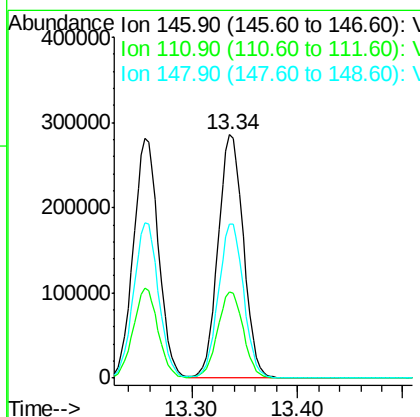
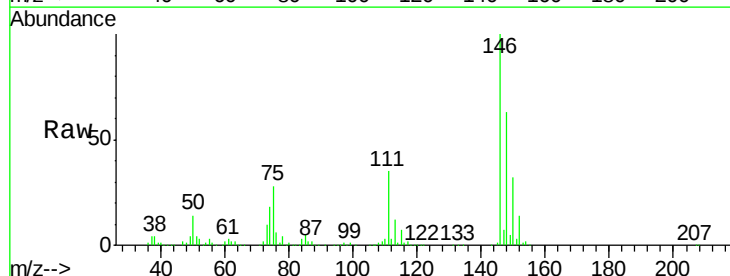
Manual Integrations
 APPROVED

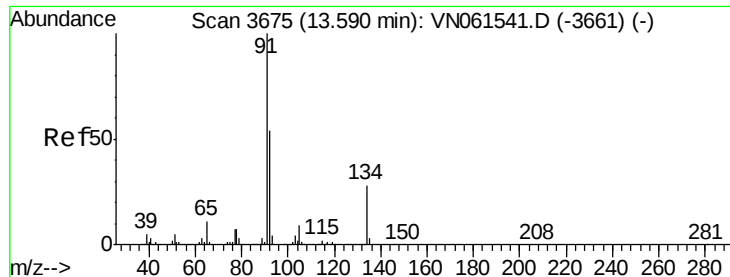
MMDadoda
 6/9/2020 1:46:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.391 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	475474		
111	35.8	18.9	56.9	
148	63.0	31.8	95.3	





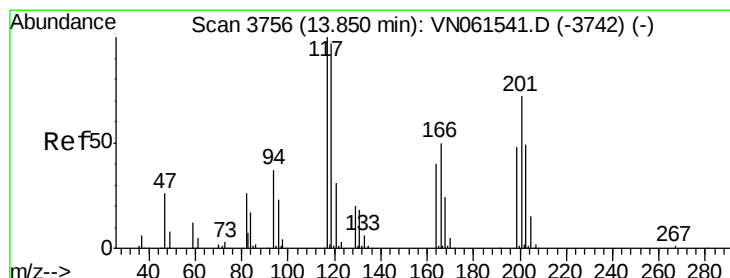
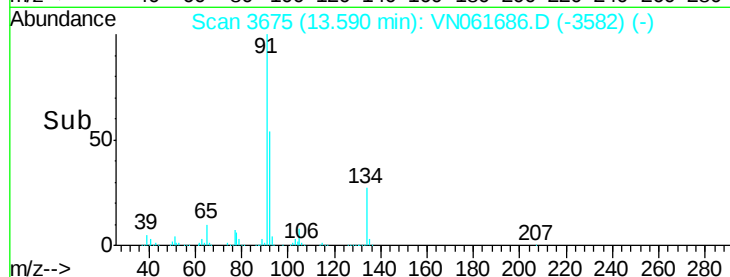
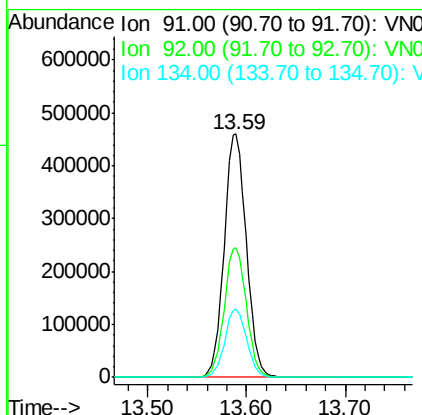
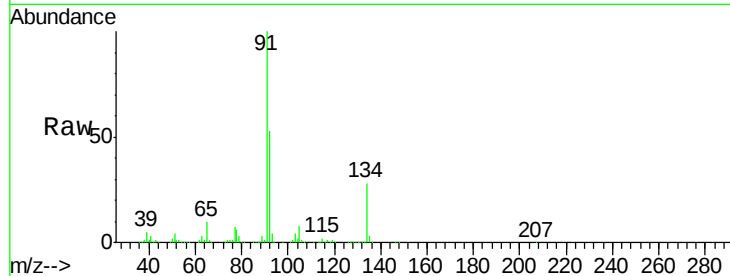
#89
n-Butylbenzene
Concen: 48.127 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.6
134	27.8	14.0	42.0

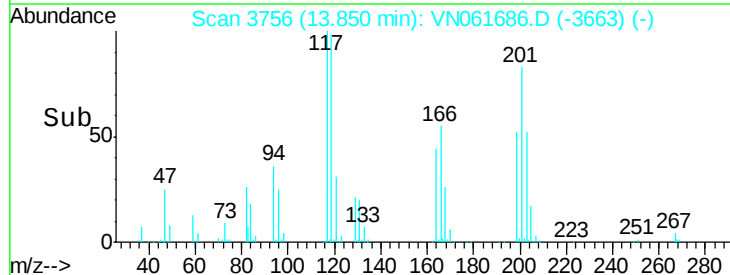
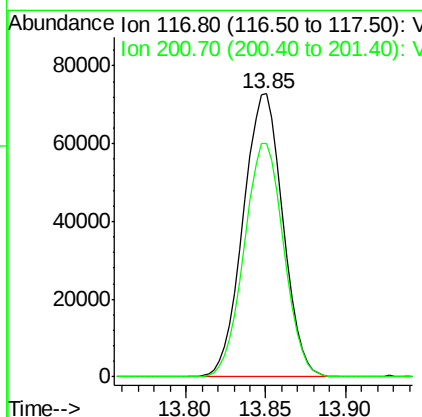
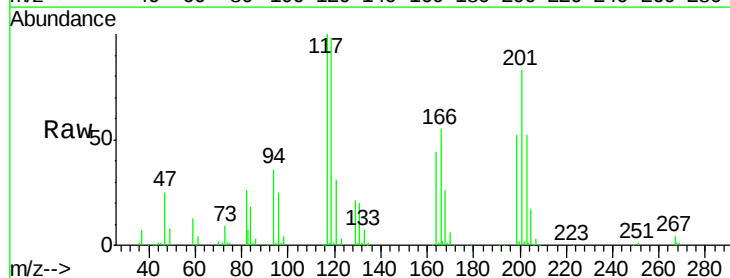
Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#90
Hexachloroethane
Concen: 62.260 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	36.7	110.1





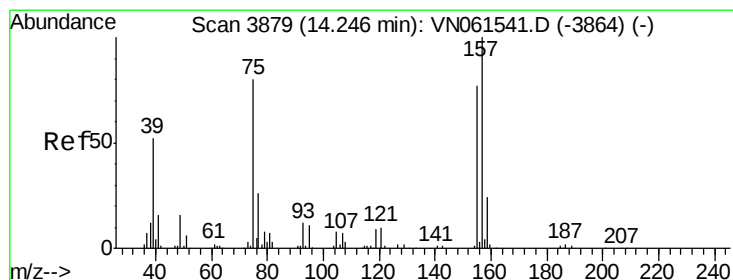
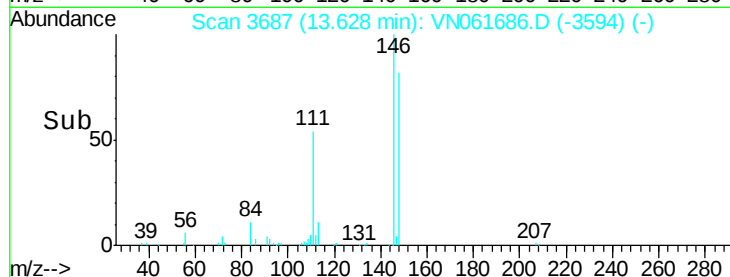
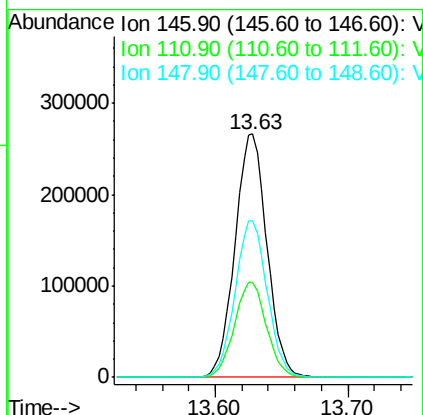
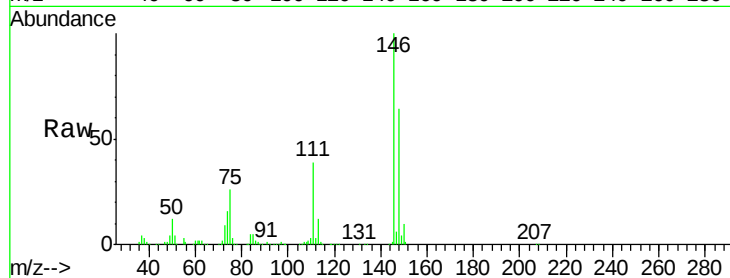
#91
 1,2-Dichlorobenzene
 Concen: 50.406 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.6	31.9	95.5

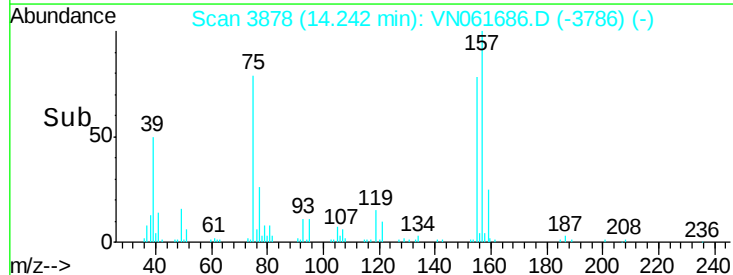
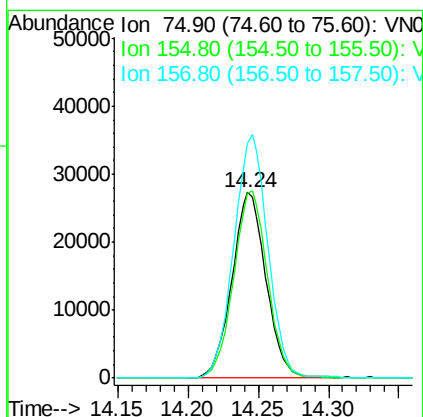
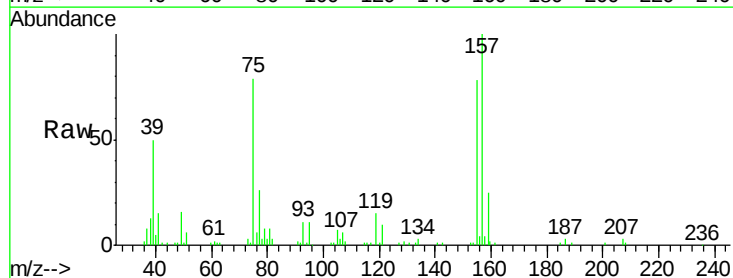
Manual Integrations
 APPROVED

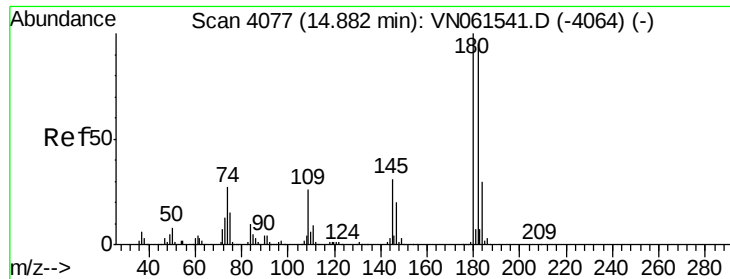
MMDadoda
 6/9/2020 1:46:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.379 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	47.1	141.4
157	131.2	60.3	180.8





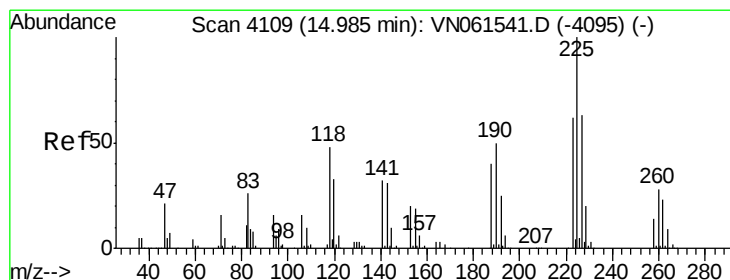
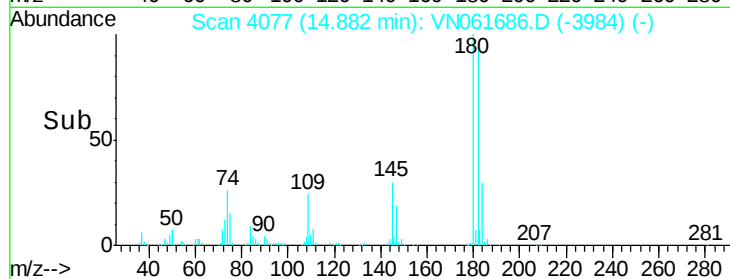
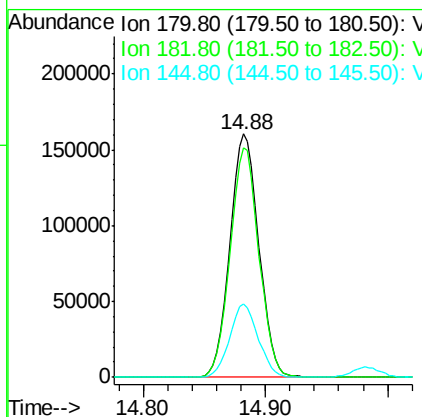
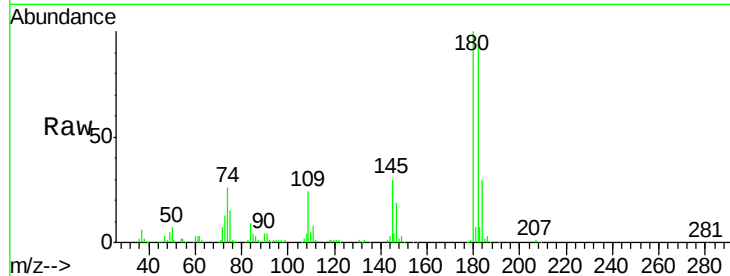
#93
 1,2,4-Trichlorobenzene
 Concen: 51.222 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265159		
182	93.9	47.8	143.3	
145	29.9	15.5	46.5	

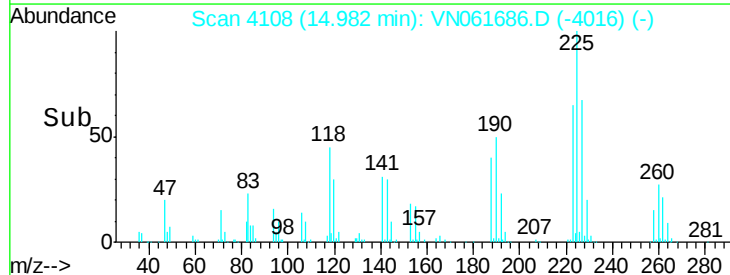
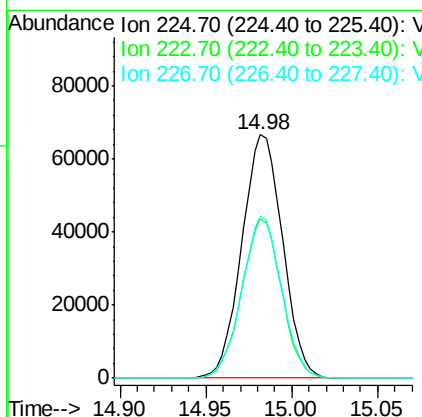
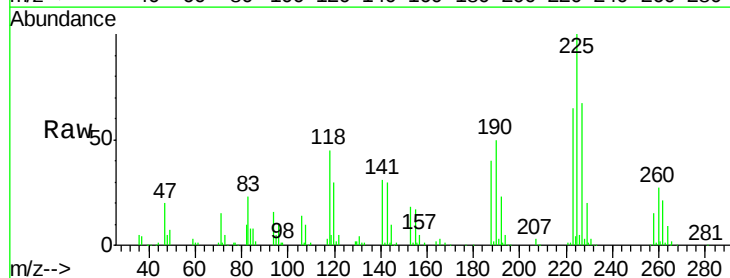
Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:01 PM



#94
 Hexachlorobutadiene
 Concen: 49.493 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061686.D
 Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109271		
223	64.0	31.9	95.5	
227	64.8	31.9	95.9	





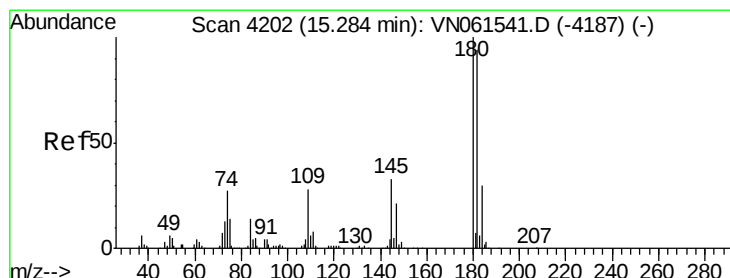
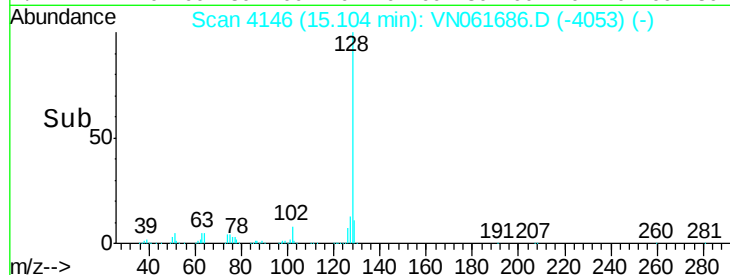
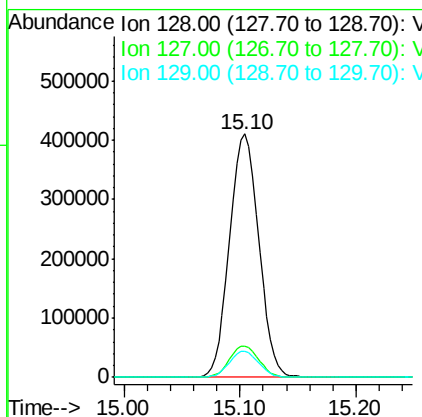
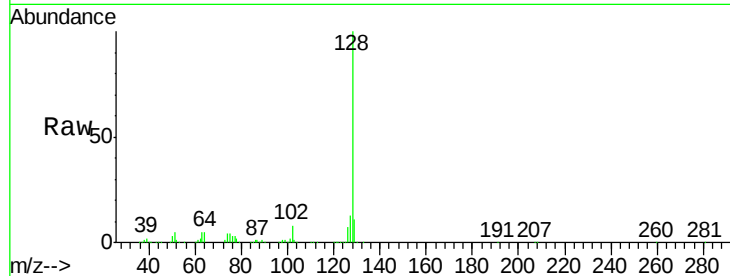
#95
Naphthalene
Concen: 45.503 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.092 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061686.D
Acq: 8 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	31.4	16.3	48.9

