

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062457.D
 Acq On : 9 Jul 2020 15:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:03:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	226446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	384698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	354801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	169326	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	7.54	113	120295	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.06	98	477180	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.38	95	179498	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	123840	53.690	ug/l	97
3) Chloromethane	2.04	50	179131	48.400	ug/l	100
4) Vinyl Chloride	2.16	62	166531	54.921	ug/l	99
5) Bromomethane	2.52	94	68917	42.319	ug/l	96
6) Chloroethane	2.66	64	100713	57.028	ug/l	97
7) Trichlorofluoromethane	2.98	101	210142	54.568	ug/l	100
8) Diethyl Ether	3.37	74	96929	56.289	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131745	57.711	ug/l	99
10) Methyl Iodide	3.91	142	109894	36.457	ug/l	99
11) Tert butyl alcohol	4.73	59	149425	258.622	ug/l	100
12) 1,1-Dichloroethene	3.69	96	126671	54.500	ug/l	98
13) Acrolein	3.56	56	94927	227.756	ug/l	100
14) Allyl chloride	4.27	41	284393	52.027	ug/l	96
15) Acrylonitrile	4.92	53	399798	263.840	ug/l	100
16) Acetone	3.77	43	437117	295.601	ug/l	100
17) Carbon Disulfide	4.00	76	375154	51.511	ug/l	100
18) Methyl Acetate	4.27	43	183375	49.691	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	489139	55.508	ug/l	99
20) Methylene Chloride	4.50	84	158587	50.159	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	137464	54.593	ug/l	96
22) Diisopropyl ether	5.90	45	580669	53.767	ug/l	97
23) Vinyl Acetate	5.84	43	2415778	270.031	ug/l	100
24) 1,1-Dichloroethane	5.79	63	302936	54.284	ug/l	100
25) 2-Butanone	6.78	43	582988	269.951	ug/l	99
26) 2,2-Dichloropropane	6.77	77	247436	57.827	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	162632	55.763	ug/l	99
28) Bromochloromethane	7.15	49	153721	50.701	ug/l	97
29) Tetrahydrofuran	7.17	42	368724	253.599	ug/l	99
30) Chloroform	7.33	83	281373	55.841	ug/l	99
31) Cyclohexane	7.61	56	268096	50.675	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	234032	55.837	ug/l	99
36) 1,1-Dichloropropene	7.75	75	216688	55.908	ug/l	99
37) Ethyl Acetate	6.88	43	229085	50.548	ug/l	99
38) Carbon Tetrachloride	7.73	117	199132	57.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	248113	59.963	ug/l	97
40) Benzene	8.00	78	632696	55.389	ug/l	99
41) Methacrylonitrile	7.12	41	117722	62.172	ug/l	91
42) 1,2-Dichloroethane	8.08	62	238376	56.993	ug/l	100
43) Isopropyl Acetate	8.12	43	389955	54.468	ug/l	98
44) Trichloroethene	8.80	130	146094	57.645	ug/l	99
45) 1,2-Dichloropropane	9.08	63	185786	56.027	ug/l	99
46) Dibromomethane	9.17	93	106978	57.168	ug/l	98
47) Bromodichloromethane	9.37	83	227893	56.962	ug/l	100
48) Methyl methacrylate	9.17	41	191576	54.551	ug/l	99
49) 1,4-Dioxane	9.17	88	54998	1075.954	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1161763	271.687	ug/l	99
52) Toluene	10.12	92	383011	58.050	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	265361	59.203	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	283692	57.364	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	149436	57.586	ug/l	98
56) Ethyl methacrylate	10.40	69	255868	53.454	ug/l	99
57) 1,3-Dichloropropane	10.68	76	273536	57.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	526981	342.303	ug/l	97
59) 2-Hexanone	10.72	43	864395	278.448	ug/l	98
60) Dibromochloromethane	10.87	129	164078	58.314	ug/l	99
61) 1,2-Dibromoethane	10.98	107	150501	57.453	ug/l	99
64) Tetrachloroethene	10.60	164	117732	55.919	ug/l	99
65) Chlorobenzene	11.41	112	395921	57.416	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	146806	57.732	ug/l	99
67) Ethyl Benzene	11.48	91	752850	58.163	ug/l	98
68) m/p-Xylenes	11.59	106	546829	119.338	ug/l	97
69) o-Xylene	11.92	106	261316	58.573	ug/l	100
70) Styrene	11.94	104	450831	61.143	ug/l	99
71) Bromoform	12.10	173	109872	58.940	ug/l #	99
73) Isopropylbenzene	12.22	105	712191	56.112	ug/l	100
74) N-amyl acetate	12.04	43	352145	57.003	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	228591	53.565	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	302032	75.048	ug/l #	100
77) Bromobenzene	12.50	156	160625	55.667	ug/l	97
78) n-propylbenzene	12.57	91	850260	57.350	ug/l	100
79) 2-Chlorotoluene	12.65	91	503816	55.991	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	602222	57.879	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	77420	51.490	ug/l	99
82) 4-Chlorotoluene	12.75	91	530853	58.111	ug/l	100
83) tert-Butylbenzene	12.97	119	501469	56.793	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	607744	58.764	ug/l	99
85) sec-Butylbenzene	13.15	105	683448	58.412	ug/l	100
86) p-Isopropyltoluene	13.26	119	606131	60.022	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	296195	59.503	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	290911	56.797	ug/l	99
89) n-Butylbenzene	13.59	91	551788	61.883	ug/l	99
90) Hexachloroethane	13.85	117	109320	55.031	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	279346	58.041	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42860	55.034	ug/l	99

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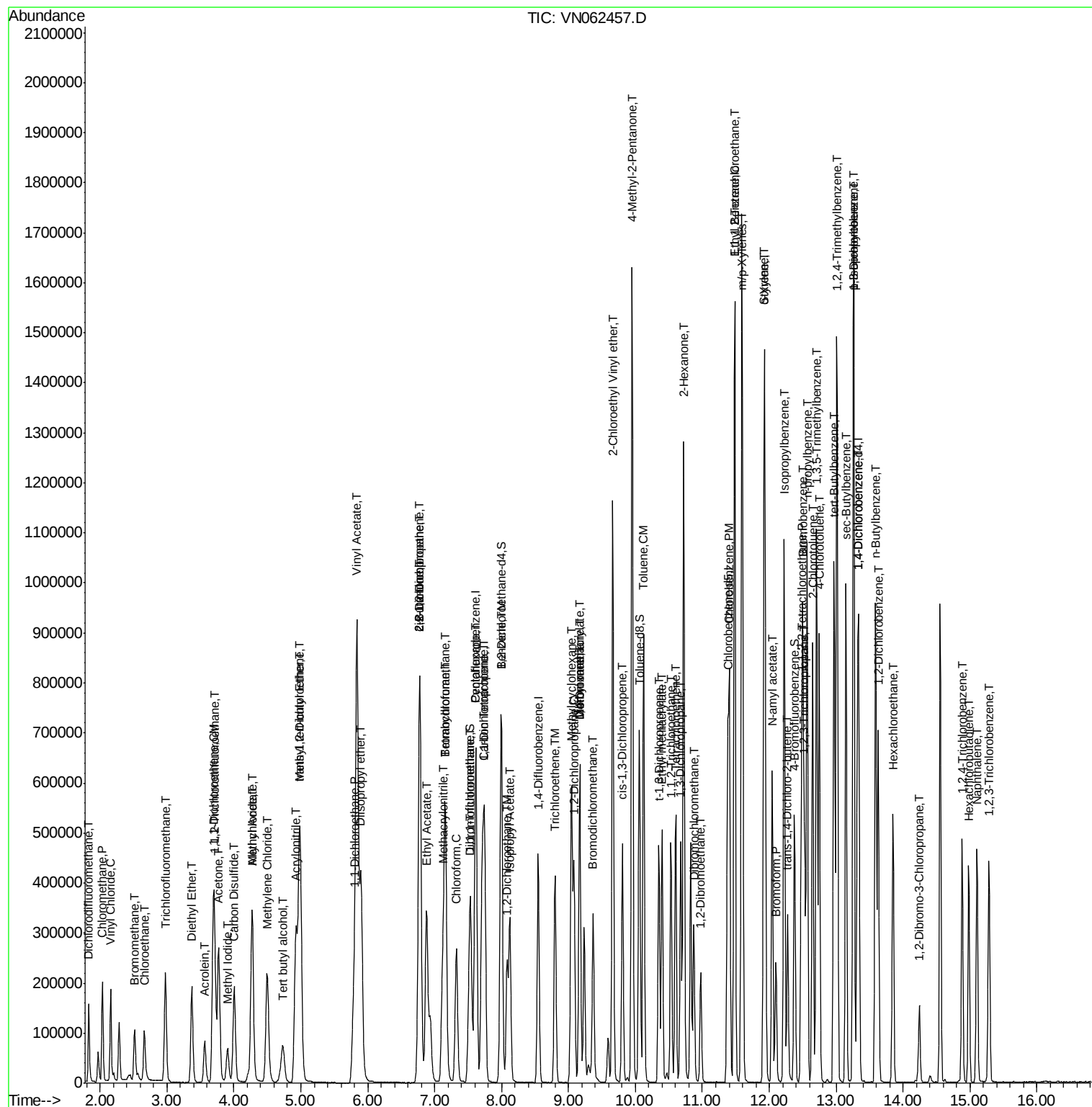
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	145927	54.912	ug/l	99
94) Hexachlorobutadiene	14.98	225	76525	59.884	ug/l	99
95) Naphthalene	15.10	128	383190	59.620	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	142571	54.691	ug/l	99

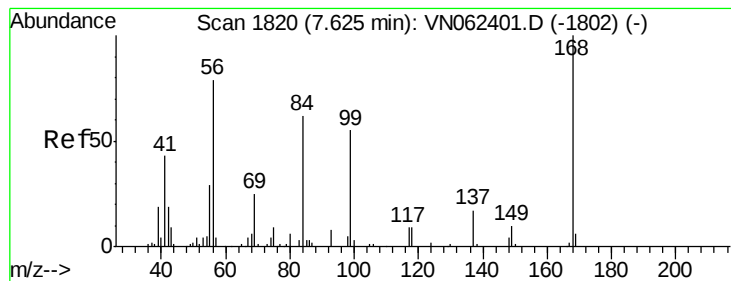
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

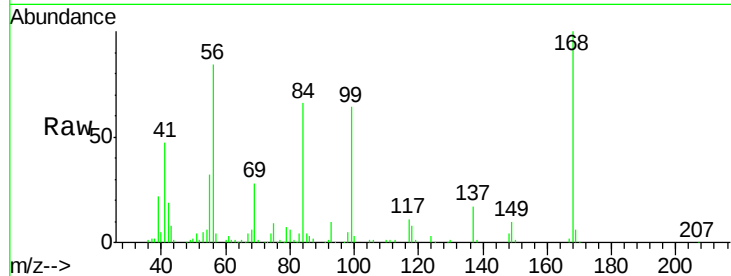
VSTDCCC050

Tot Ion:168 Resp: 226446

Ion Ratio Lower Upper

168 100

99 63.4 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

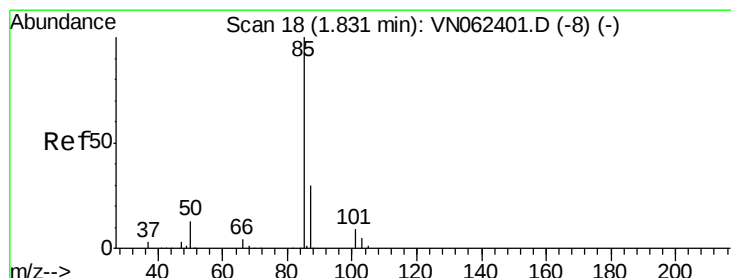
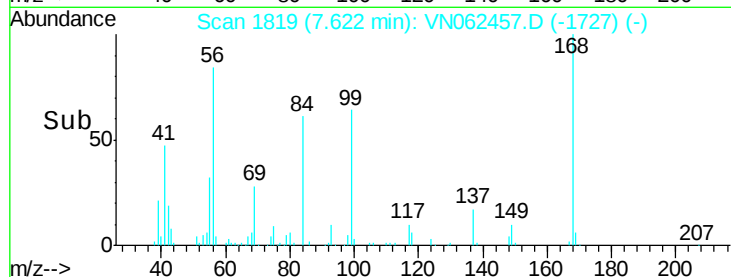
40000

20000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 53.690 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062457.D

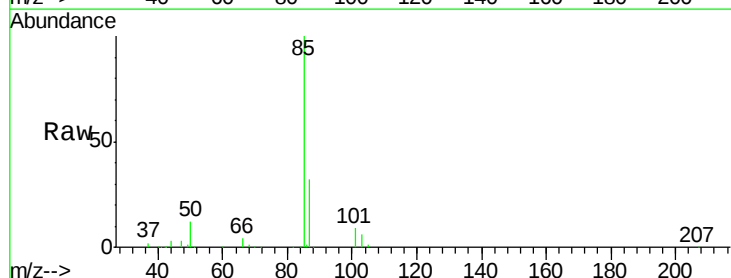
Acq: 9 Jul 2020 15:26

Tgt Ion: 85 Resp: 123840

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

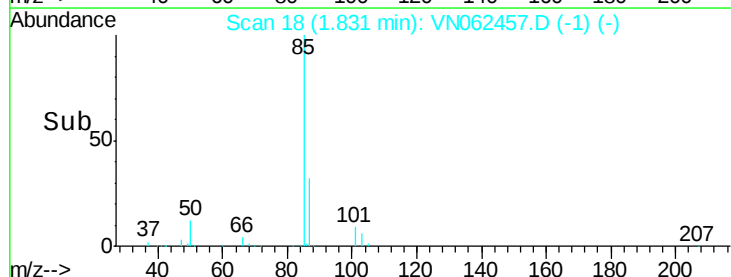
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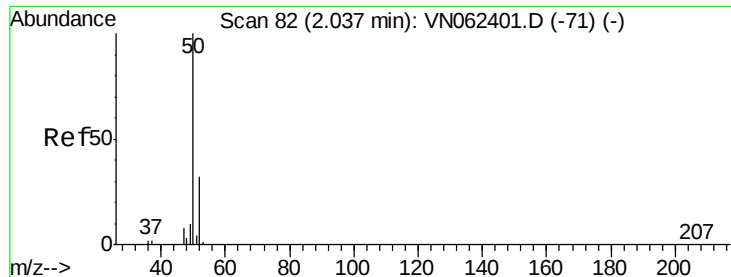
20000

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 48.400 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

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ClientSampleId :

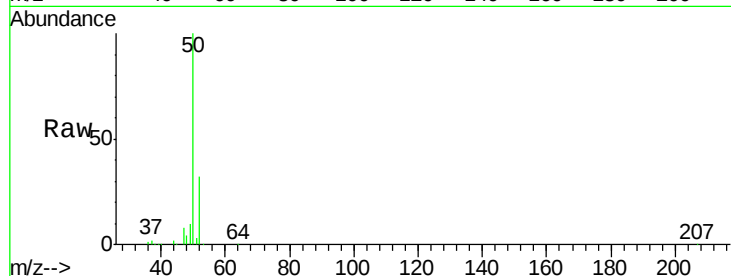
VSTDCCC050

Tot Ion: 50 Resp: 179131

Ion Ratio Lower Upper

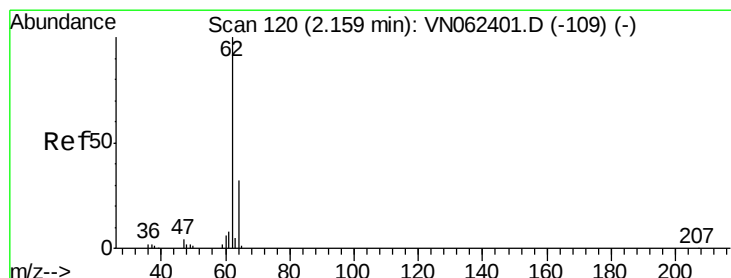
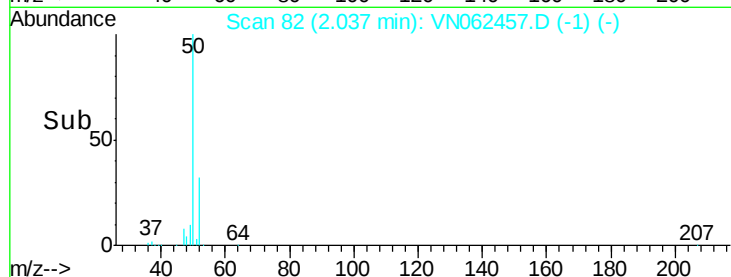
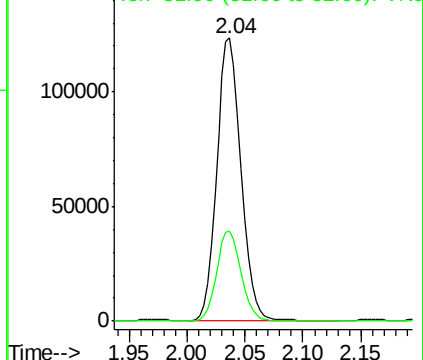
50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 54.921 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062457.D

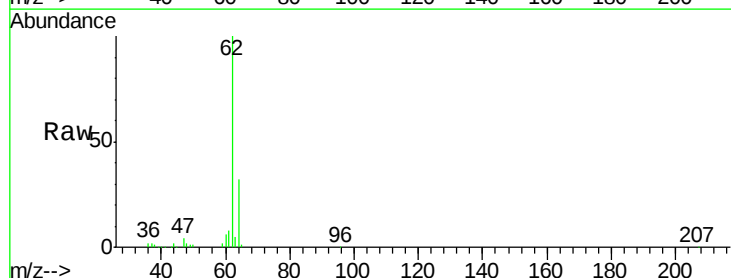
Acq: 9 Jul 2020 15:26

Tgt Ion: 62 Resp: 166531

Ion Ratio Lower Upper

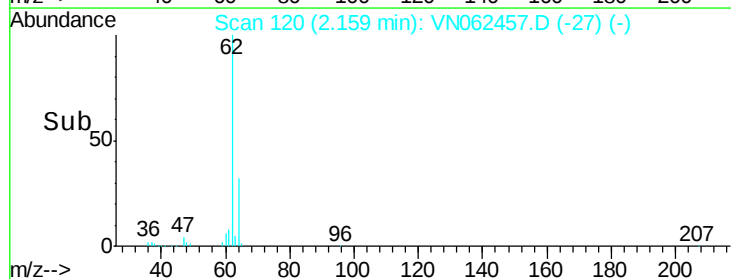
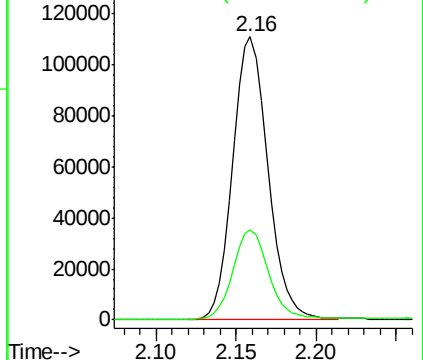
62 100

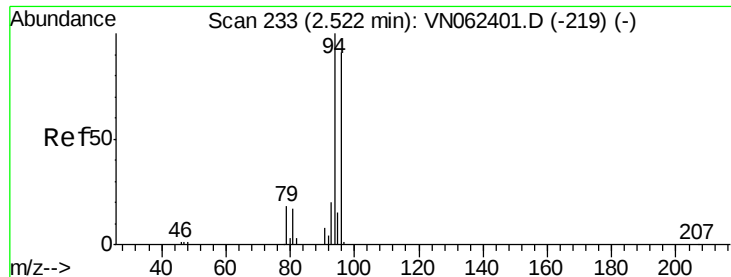
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.319 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

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Acq: 9 Jul 2020 15:26

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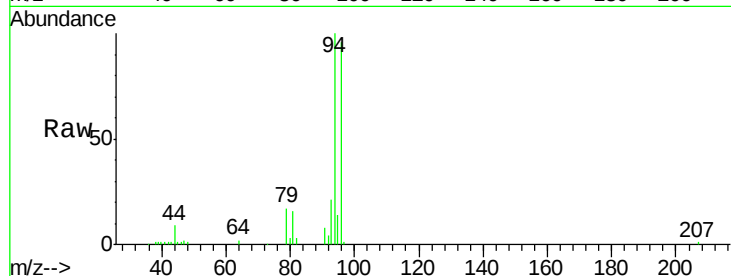
VSTDCCC050

Tot Ion: 94 Resp: 68917

Ion Ratio Lower Upper

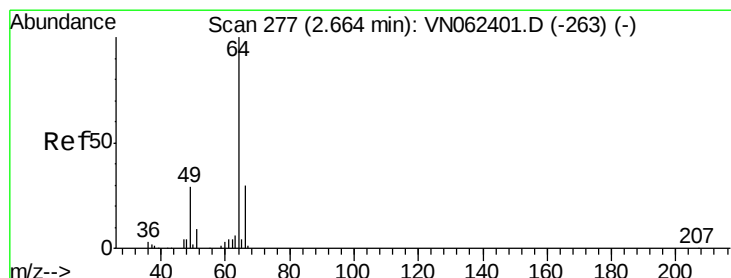
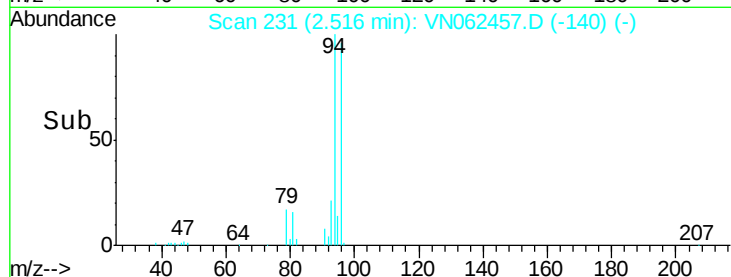
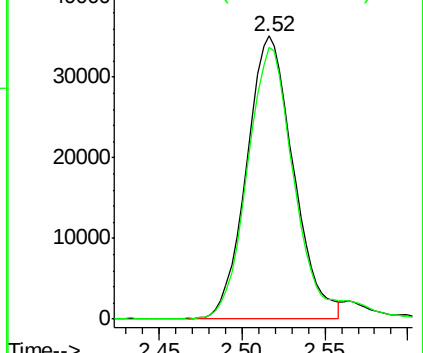
94 100

96 95.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 57.028 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062457.D

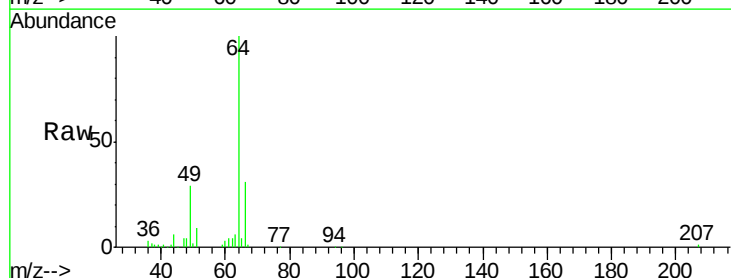
Acq: 9 Jul 2020 15:26

Tgt Ion: 64 Resp: 100713

Ion Ratio Lower Upper

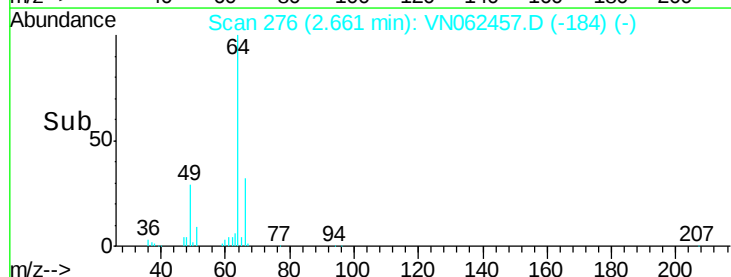
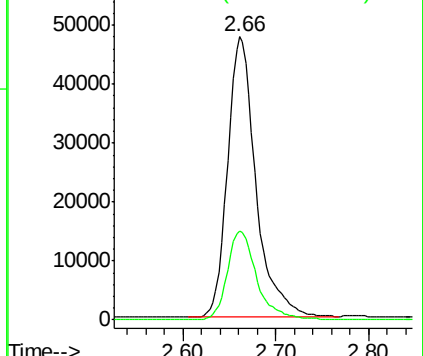
64 100

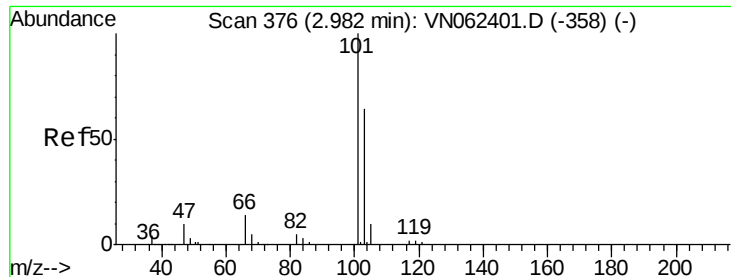
66 31.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



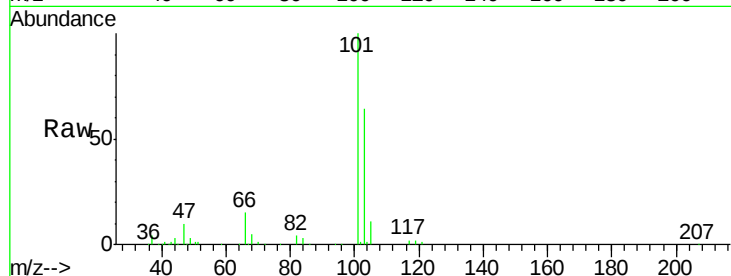


#7

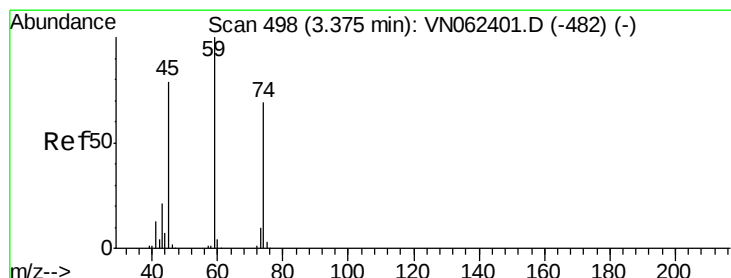
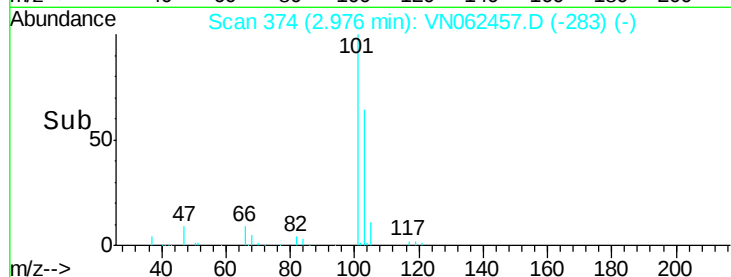
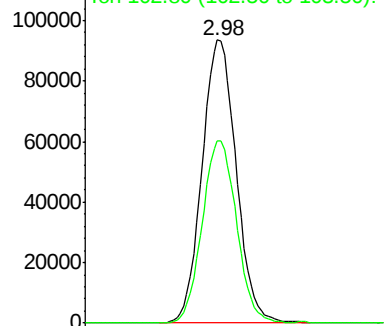
Trichlorofluoromethane
Concen: 54.568 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.01 min
Lab File: VN062457.D
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Tot Ion:101 Resp: 210142
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4



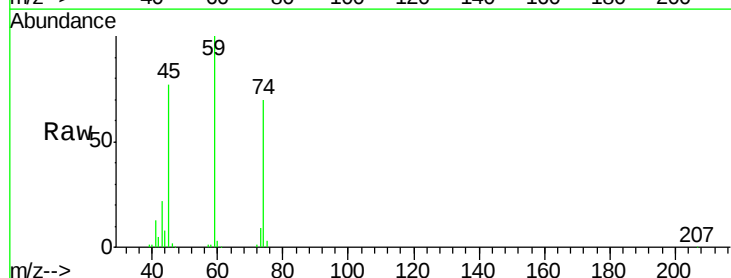
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



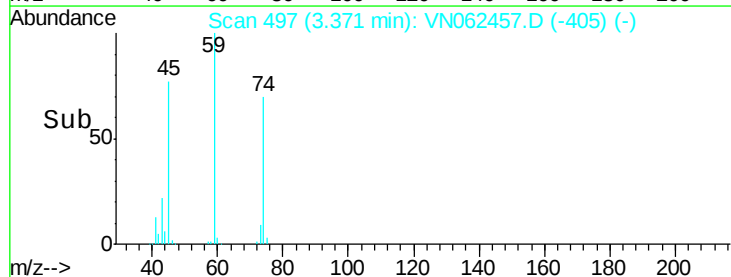
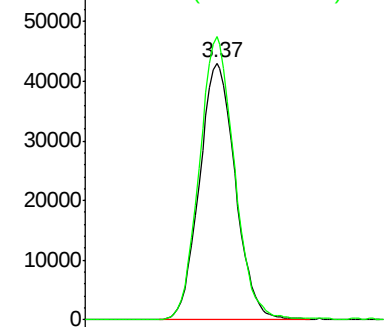
#8

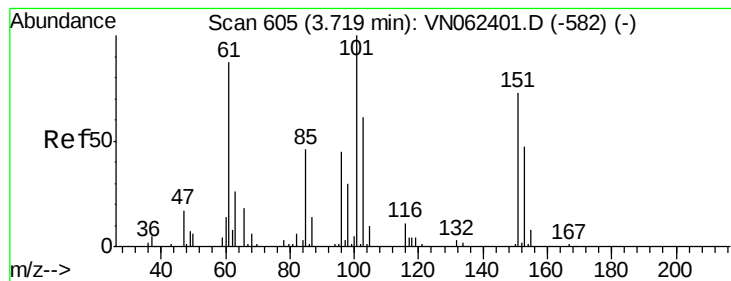
Diethyl Ether
Concen: 56.289 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062457.D
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Tgt Ion: 74 Resp: 96929
Ion Ratio Lower Upper
74 100
45 108.0 58.5 175.3



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.711 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

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VSTDCCC050

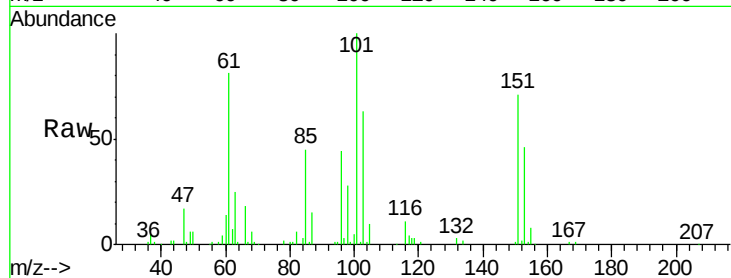
Tot Ion:101 Resp: 131745

Ion Ratio Lower Upper

101 100

85 44.9 36.7 55.1

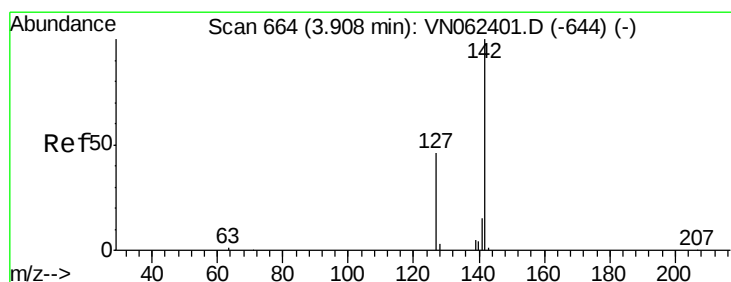
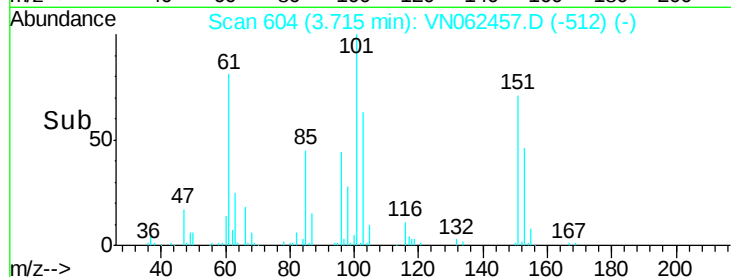
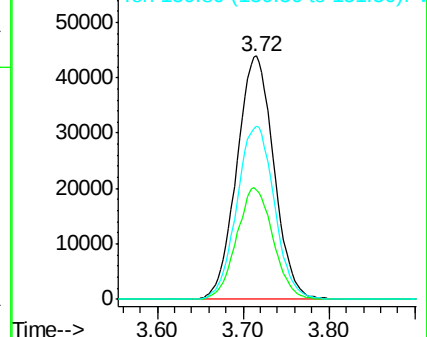
151 71.9 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.457 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

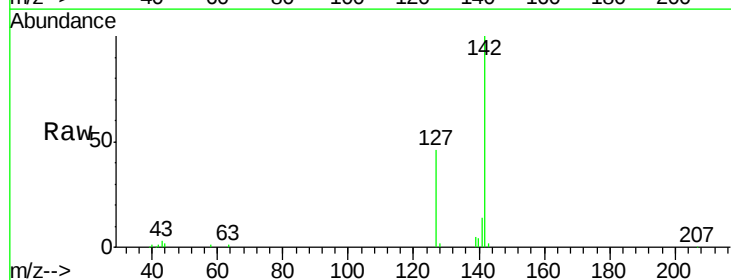
Tgt Ion:142 Resp: 109894

Ion Ratio Lower Upper

142 100

127 45.5 36.1 54.1

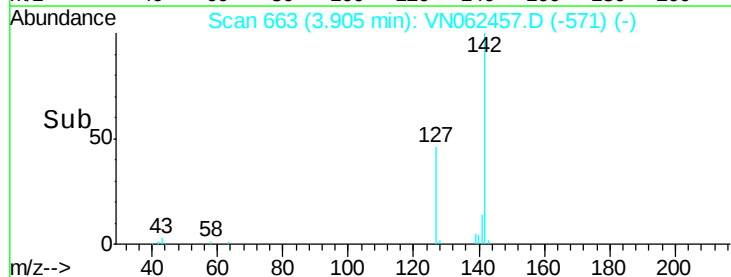
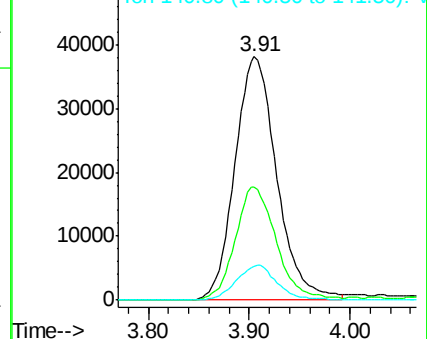
141 13.9 11.4 17.0

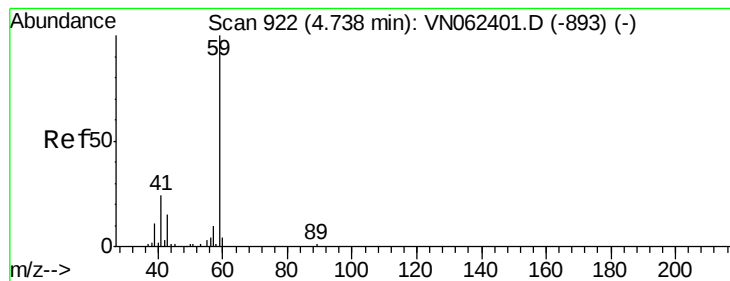


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 258.622 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

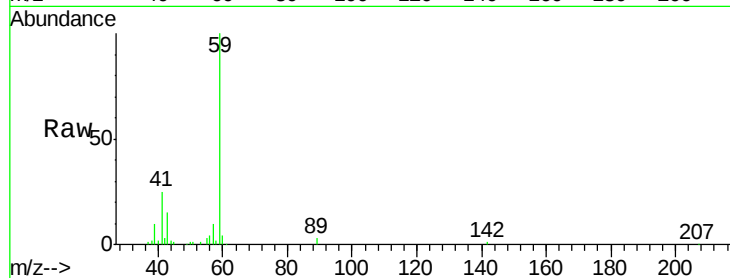
VSTDCCC050

Tot Ion: 59 Resp: 149425

Ion Ratio Lower Upper

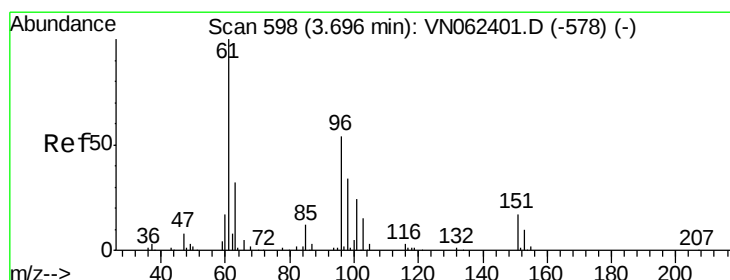
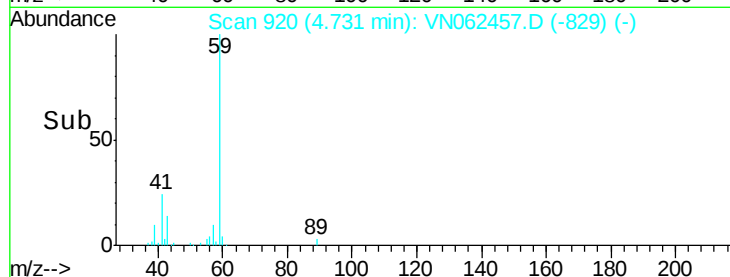
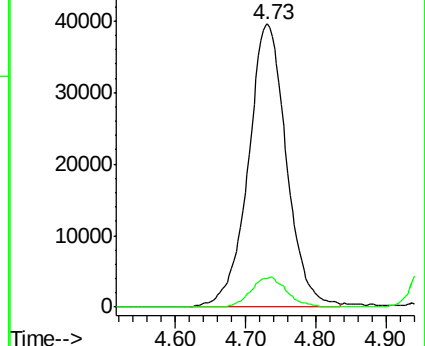
59 100

57 9.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 54.500 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

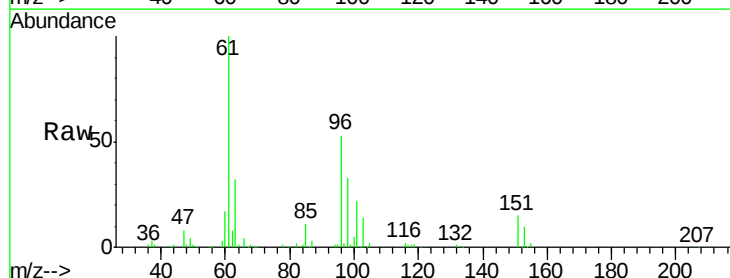
Tgt Ion: 96 Resp: 126671

Ion Ratio Lower Upper

96 100

61 187.1 147.4 221.0

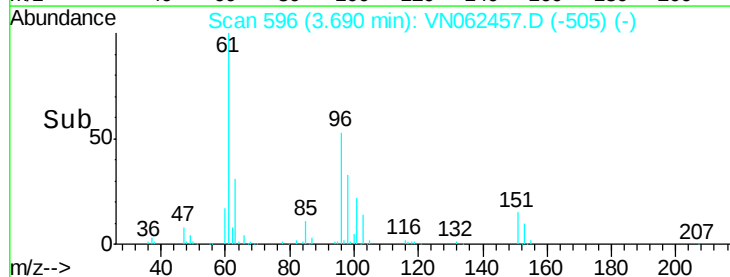
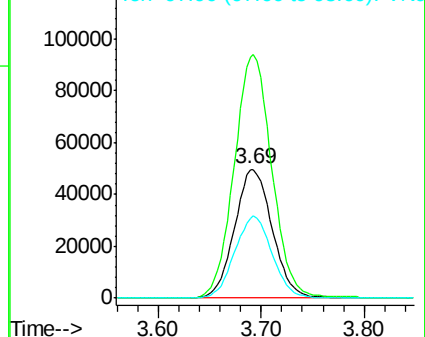
98 62.1 50.4 75.6

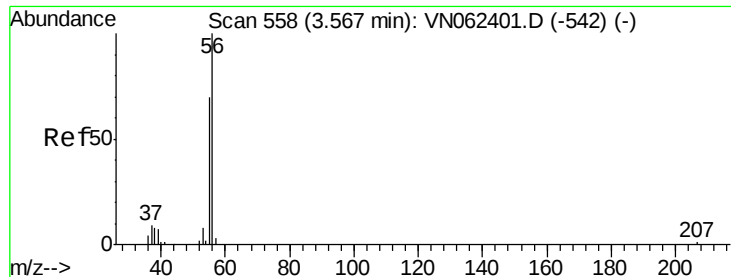


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

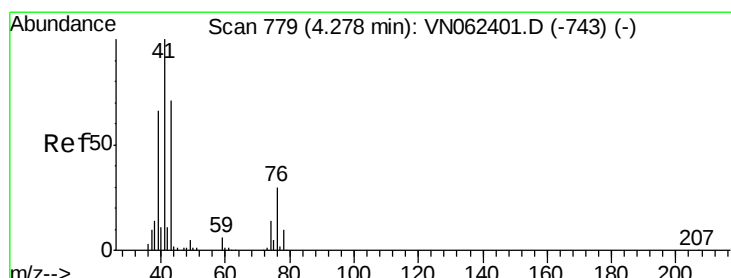
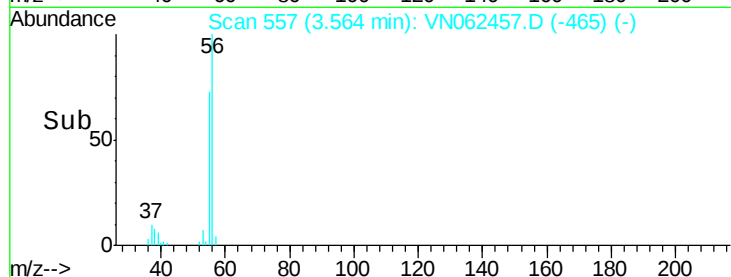
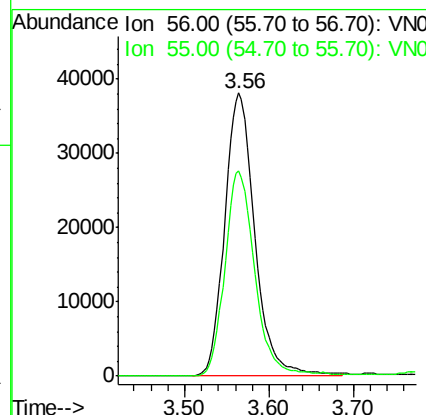
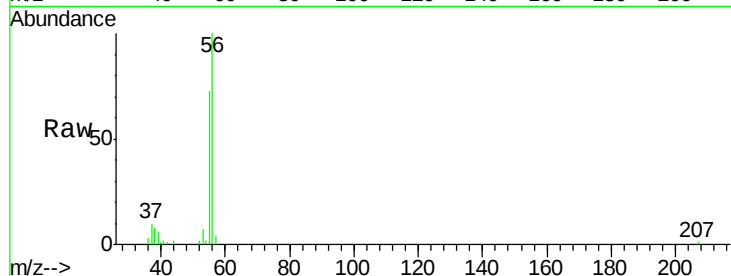




#13
Acrolein
Concen: 227.756 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

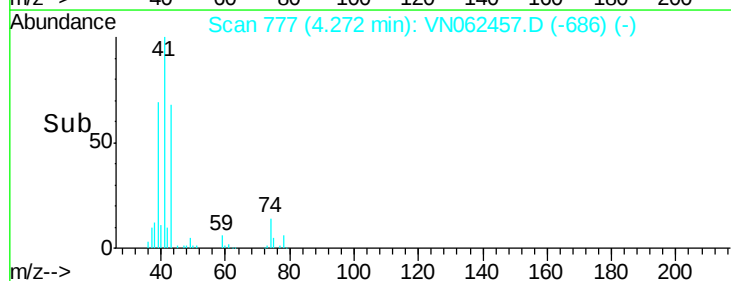
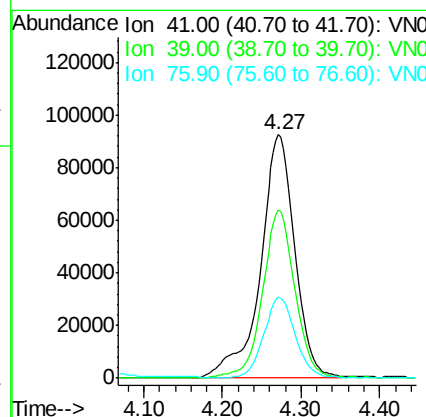
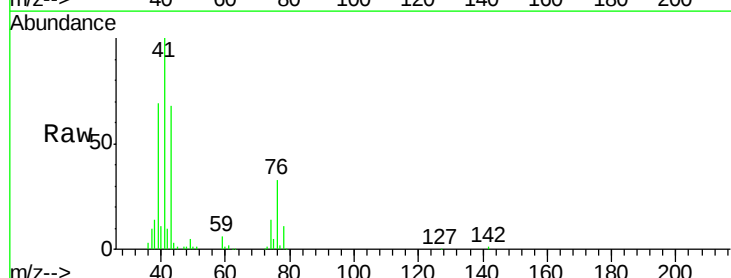
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 94927
Ion Ratio Lower Upper
56 100
55 71.7 57.2 85.8



#14
Allyl chloride
Concen: 52.027 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 41 Resp: 284393
Ion Ratio Lower Upper
41 100
39 65.0 49.6 74.4
76 29.9 22.2 33.4





#15

Acrylonitrile

Concen: 263.840 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

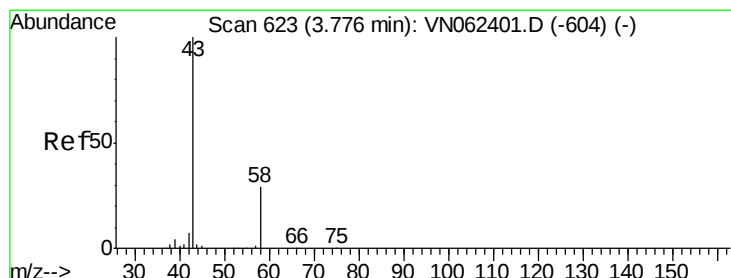
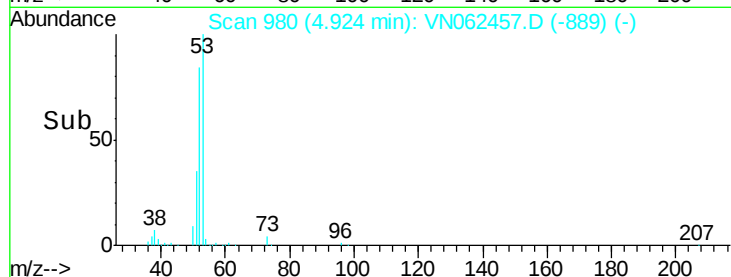
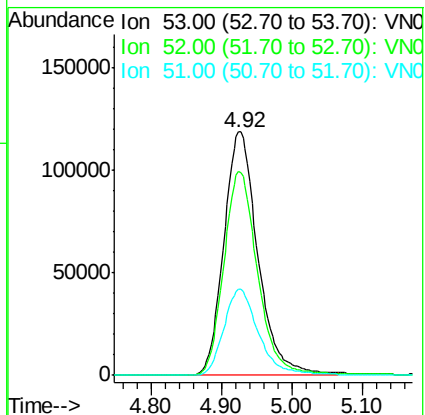
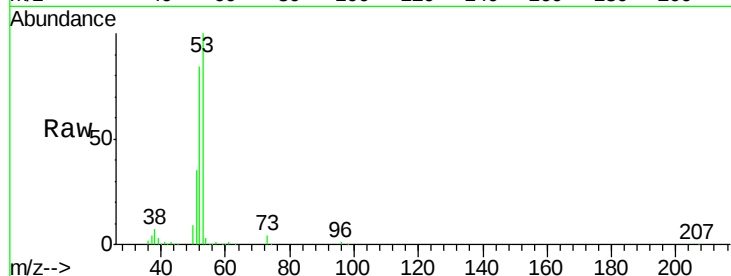
Tot Ion: 53 Resp: 399798

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.4

51 36.3 28.7 43.1



#16

Acetone

Concen: 295.601 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN062457.D

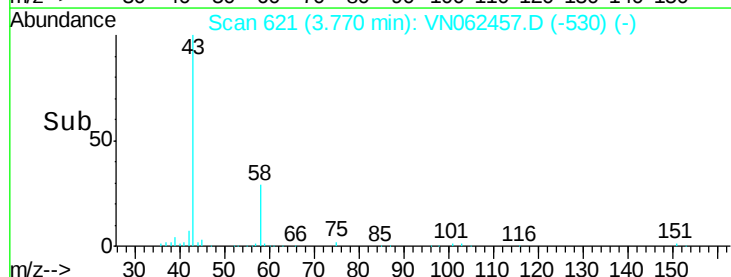
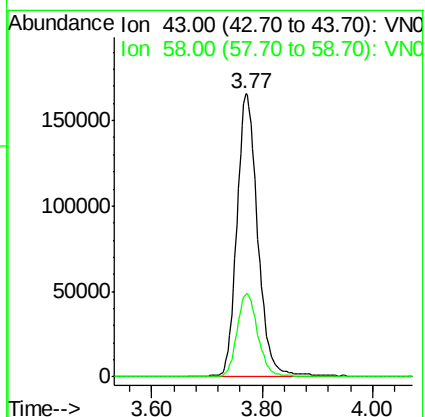
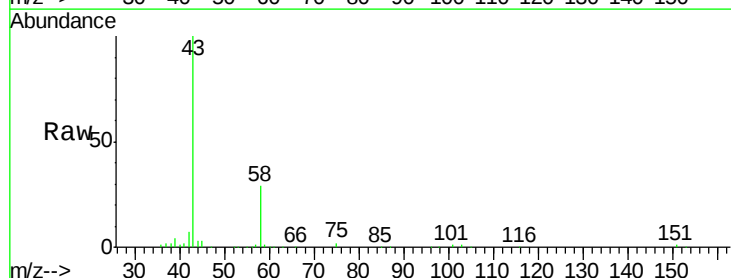
Acq: 9 Jul 2020 15:26

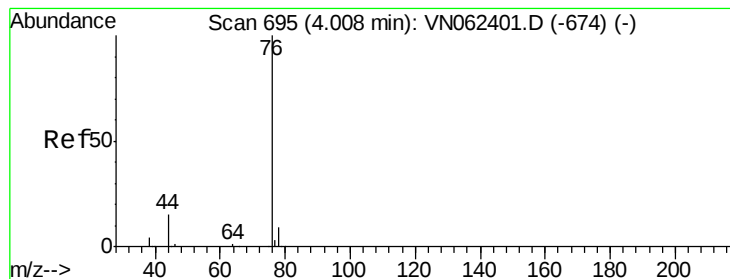
Tgt Ion: 43 Resp: 437117

Ion Ratio Lower Upper

43 100

58 29.2 23.5 35.3





#17

Carbon Disulfide

Concen: 51.511 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

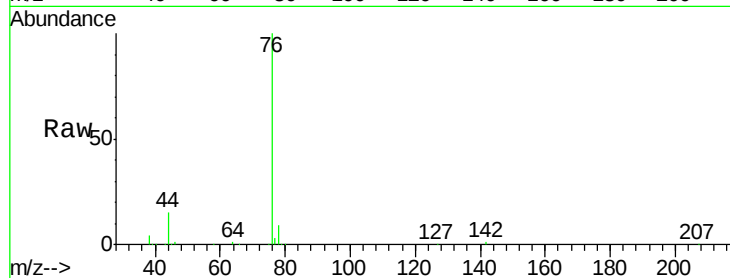
VSTDCCC050

Tot Ion: 76 Resp: 375154

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)

4.00

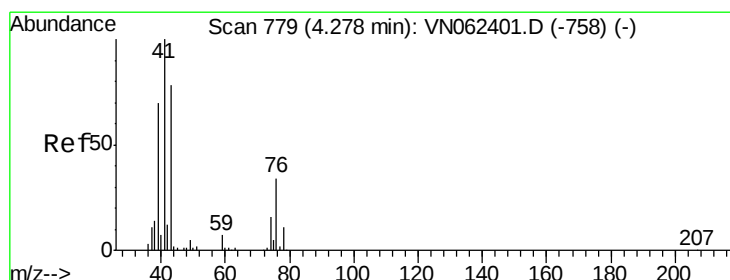
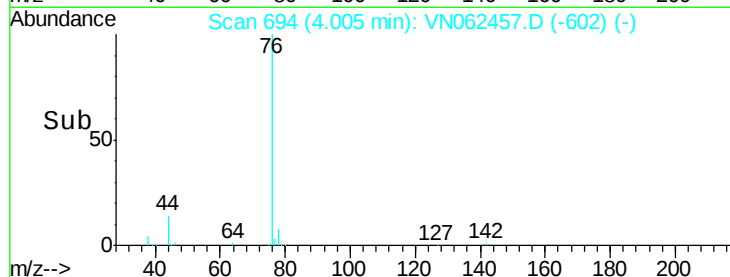
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.691 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062457.D

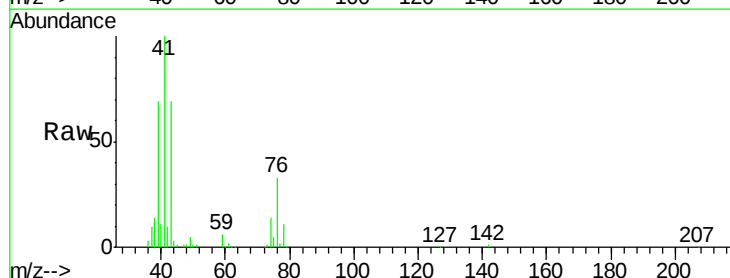
Acq: 9 Jul 2020 15:26

Tgt Ion: 43 Resp: 183375

Ion Ratio Lower Upper

43 100

74 20.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN062401.D (-758) (-)

4.27

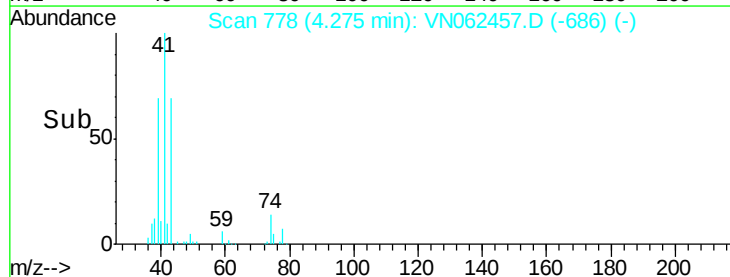
60000

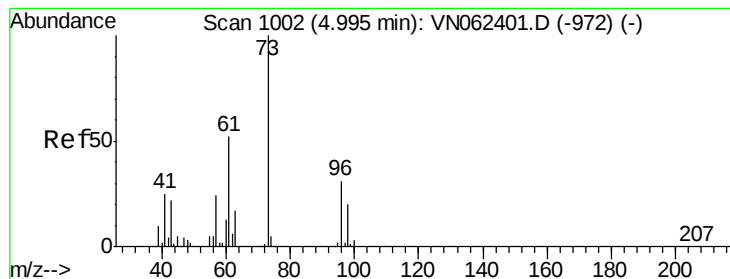
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 55.508 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

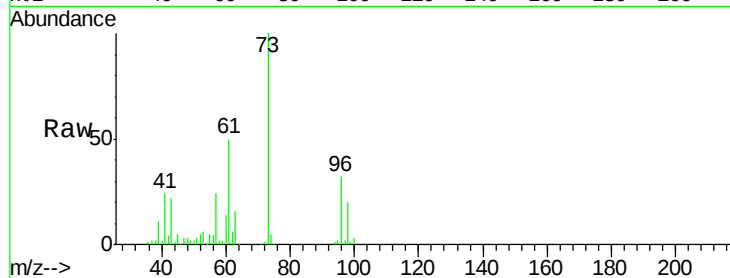
VSTDCCC050

Tot Ion: 73 Resp: 489139

Ion Ratio Lower Upper

73 100

57 23.8 19.4 29.0



Abundance Ion 73.00 (72.70 to 73.70): VN062401.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN062401.D (-972) (-)

4.99

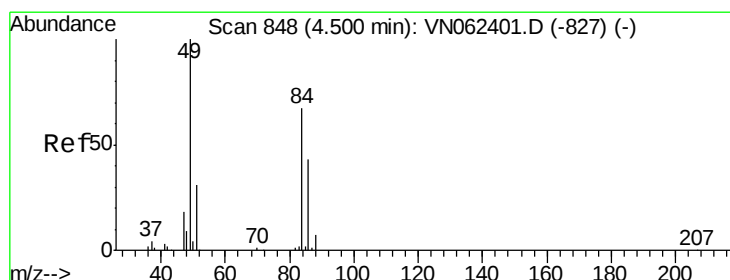
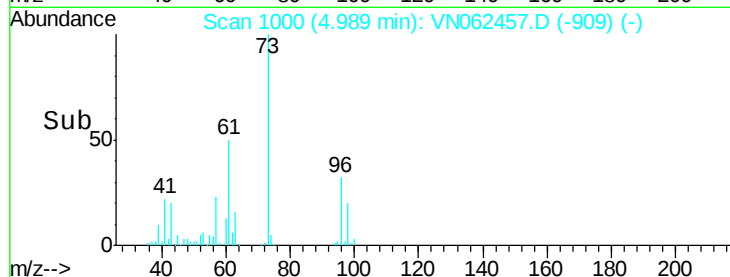
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 50.159 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Tgt Ion: 84 Resp: 158587

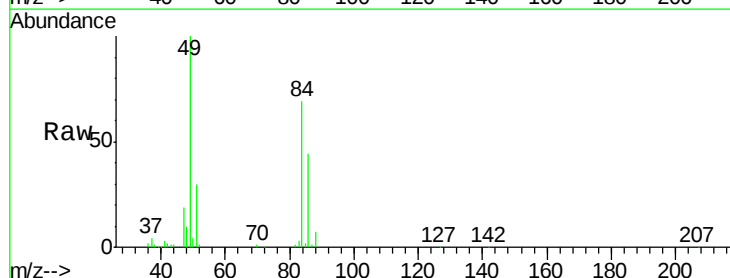
Ion Ratio Lower Upper

84 100

49 145.2 120.0 180.0

51 44.2 37.0 55.6

86 64.4 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN062401.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN062401.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN062401.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN062401.D (-827) (-)

100000

80000

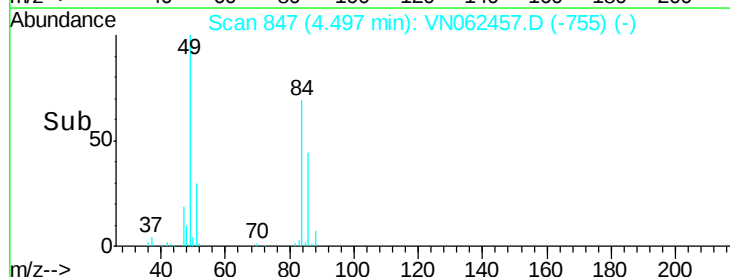
60000

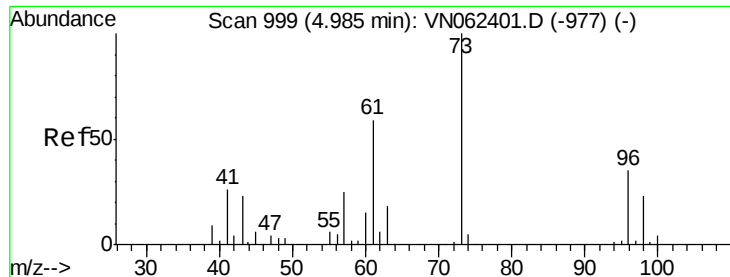
40000

20000

0

Time--> 4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 54.593 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

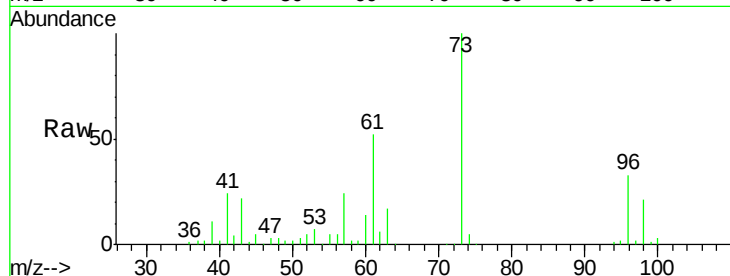
Tot Ion: 96 Resp: 137464

Ion Ratio Lower Upper

96 100

61 160.4 133.5 200.3

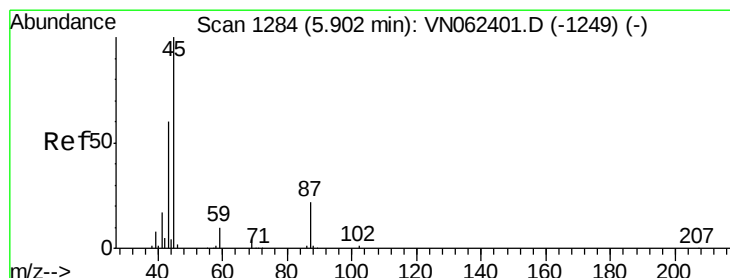
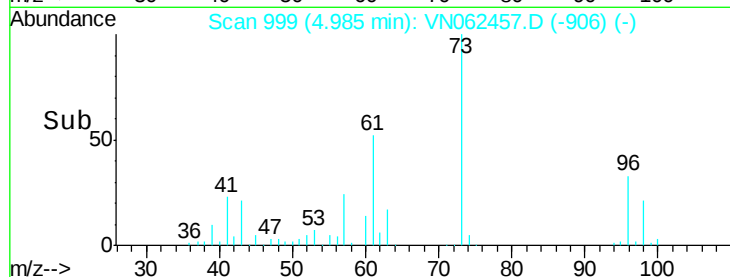
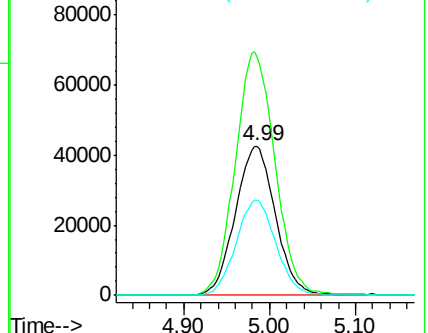
98 64.3 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VN062401.D (-977) (-)

Ion 60.90 (60.60 to 61.60): VN062401.D (-977) (-)

Ion 97.90 (97.60 to 98.60): VN062401.D (-977) (-)



#22

Diisopropyl ether

Concen: 53.767 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Tgt Ion: 45 Resp: 580669

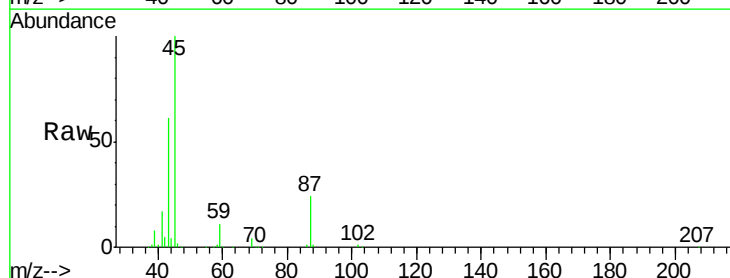
Ion Ratio Lower Upper

45 100

43 59.8 50.1 75.1

87 23.9 18.2 27.4

59 10.8 8.2 12.2

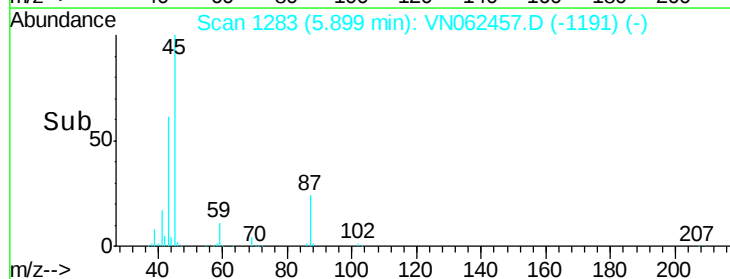
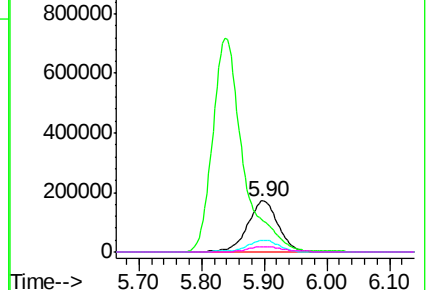


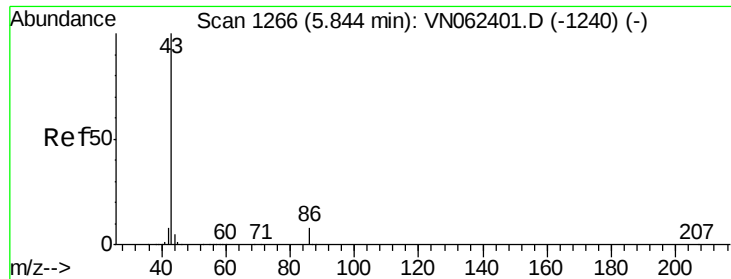
Abundance Ion 45.00 (44.70 to 45.70): VN062401.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN062401.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN062401.D (-1249) (-)





#23

Vinyl Acetate

Concen: 270.031 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

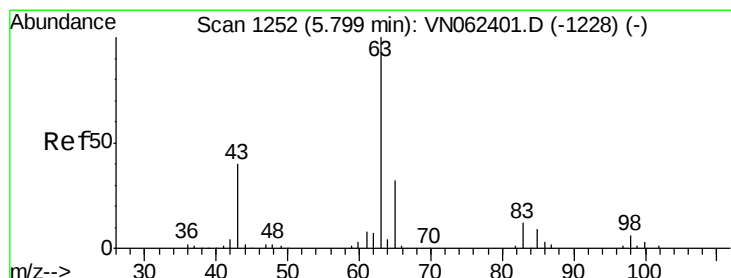
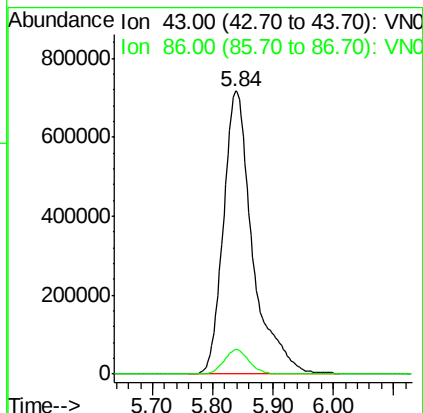
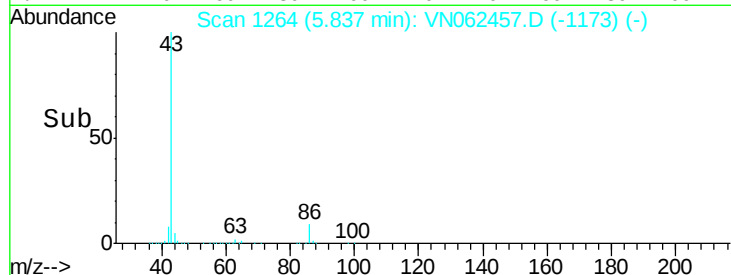
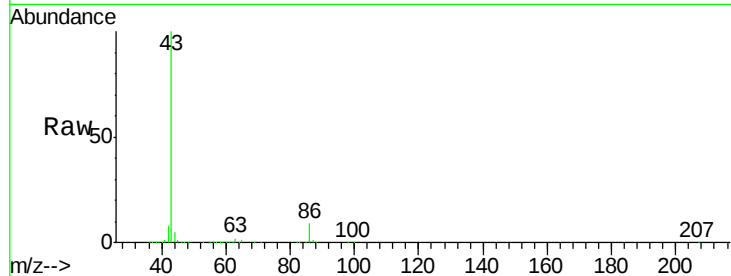
VSTDCCC050

Tot Ion: 43 Resp: 2415778

Ion Ratio Lower Upper

43 100

86 8.6 6.7 10.1



#24

1,1-Dichloroethane

Concen: 54.284 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

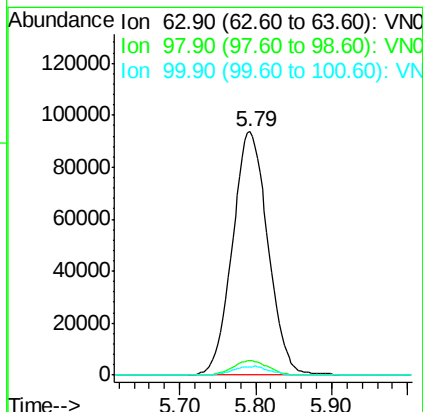
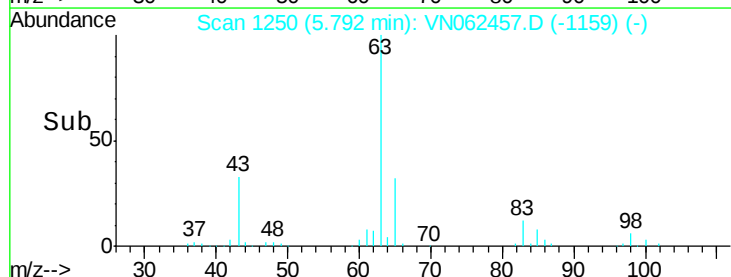
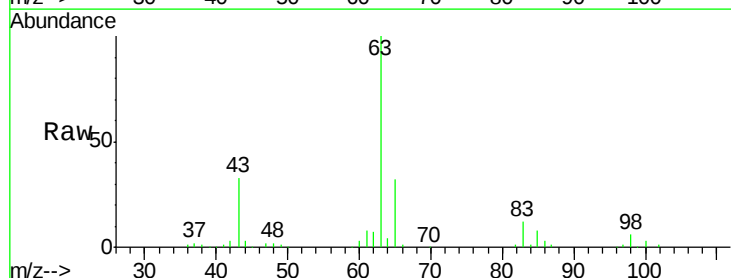
Tgt Ion: 63 Resp: 302936

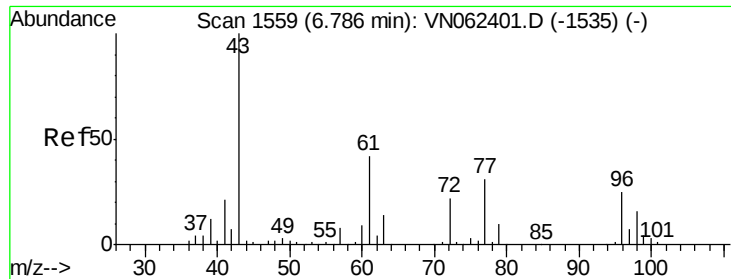
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 269.951 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

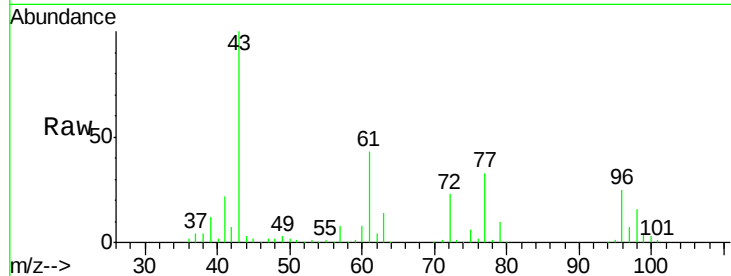
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 582988

Ion Ratio Lower Upper

43 100

72 22.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

200000

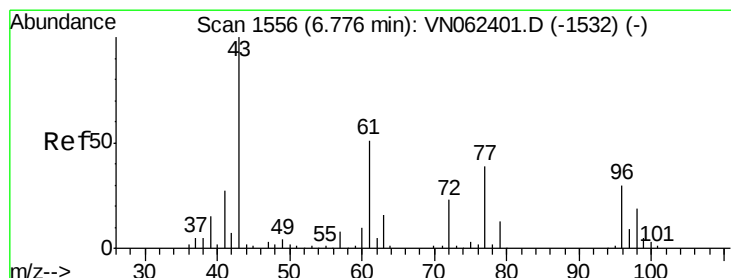
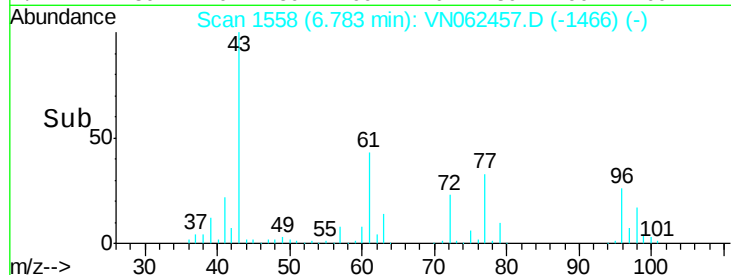
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 57.827 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062457.D

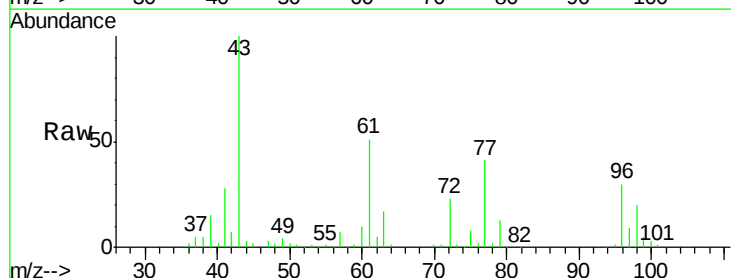
Acq: 9 Jul 2020 15:26

Tgt Ion: 77 Resp: 247436

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

80000

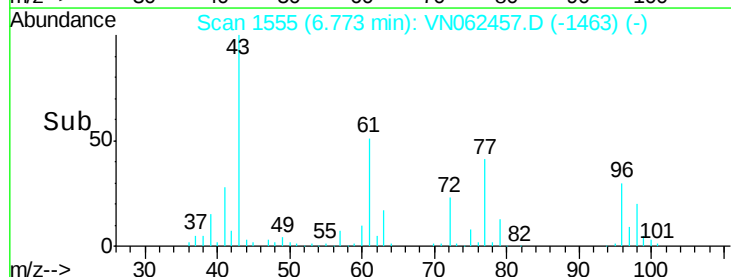
60000

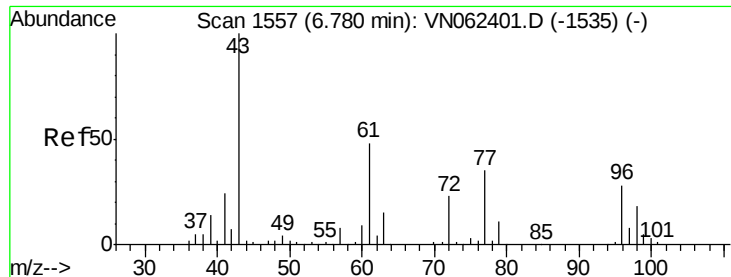
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 55.763 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

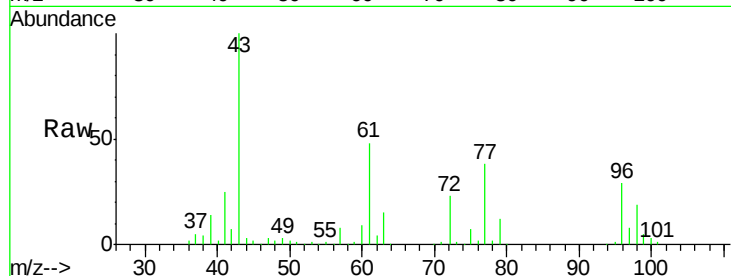
Tot Ion: 96 Resp: 162632

Ion Ratio Lower Upper

96 100

61 170.4 0.0 343.4

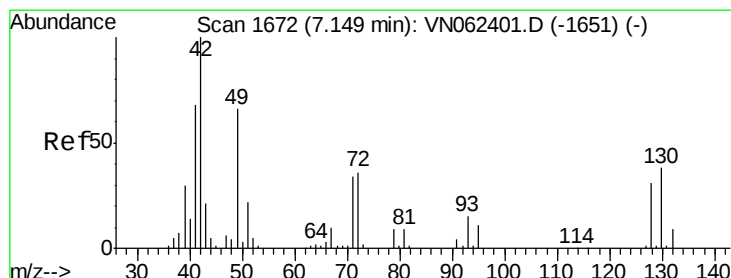
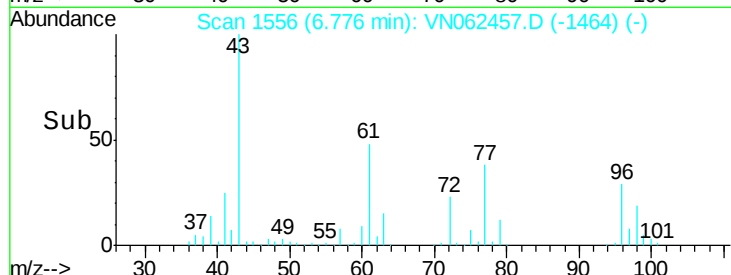
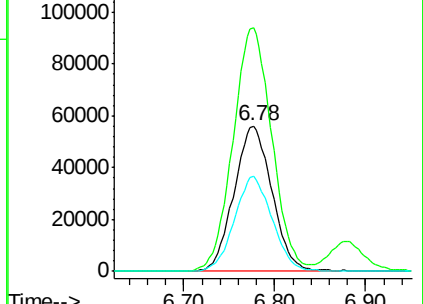
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN062401.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN062401.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN062401.D (-1535) (-)



#28

Bromochloromethane

Concen: 50.701 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

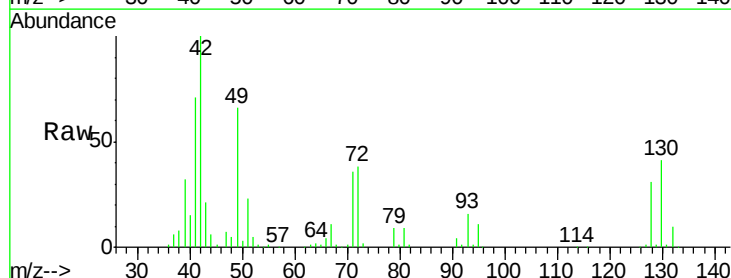
Tgt Ion: 49 Resp: 153721

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.8

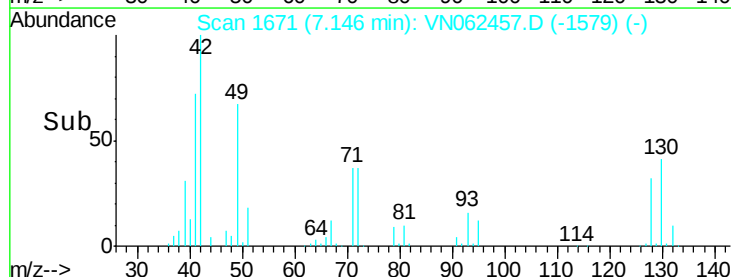
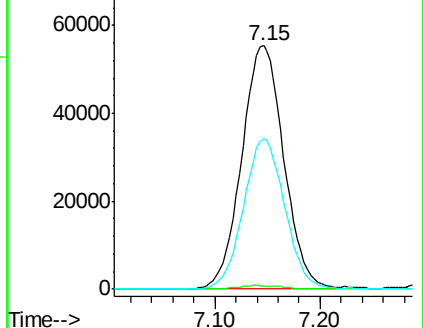
130 60.5 46.5 69.7

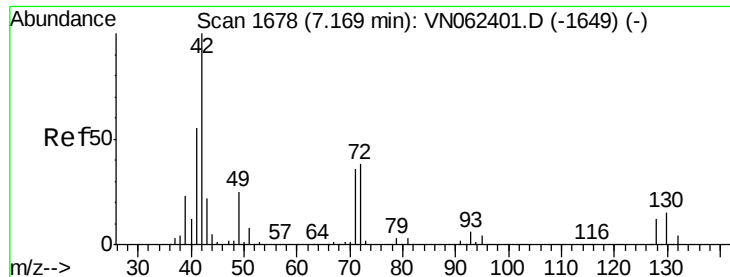


Abundance Ion 48.90 (48.60 to 49.60): VN062401.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN062401.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN062401.D (-1651) (-)

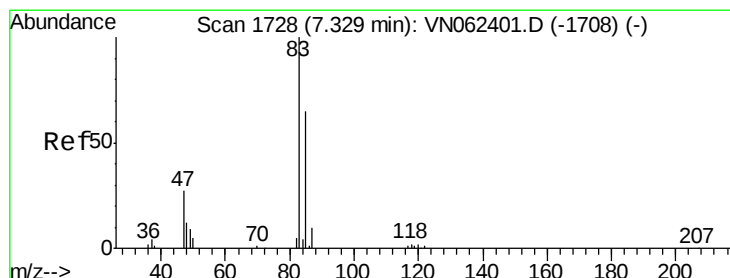
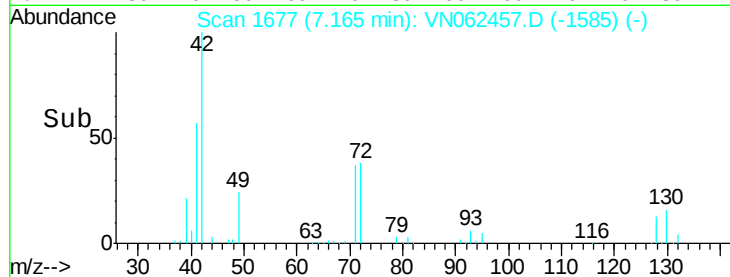
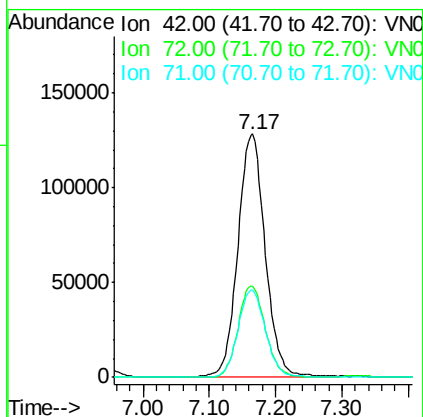
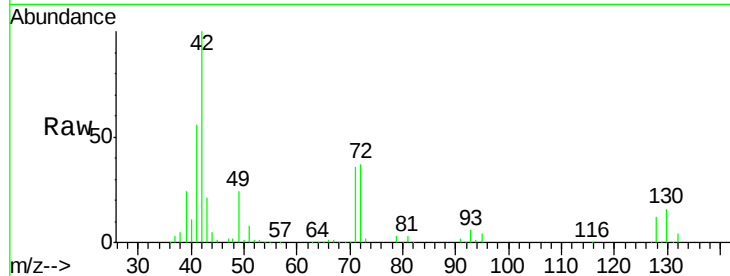




#29
Tetrahydrofuran
Concen: 253.599 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

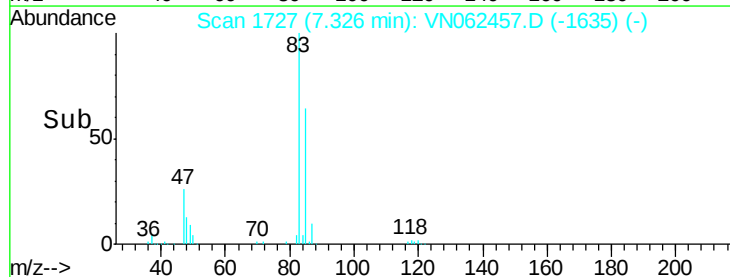
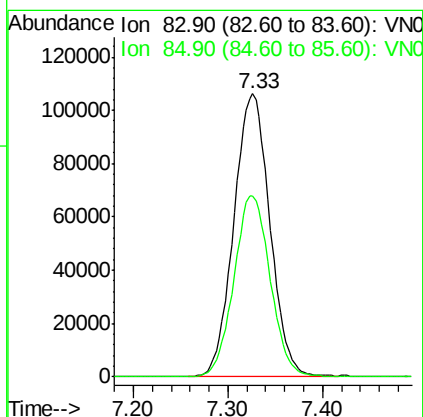
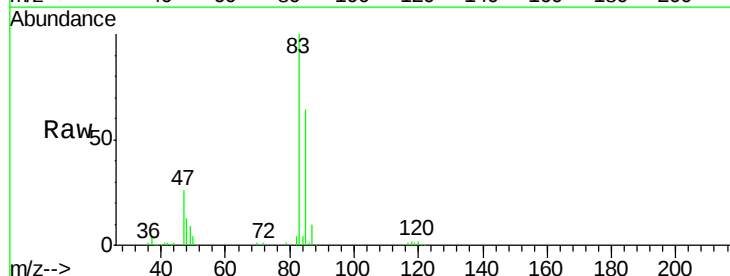
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

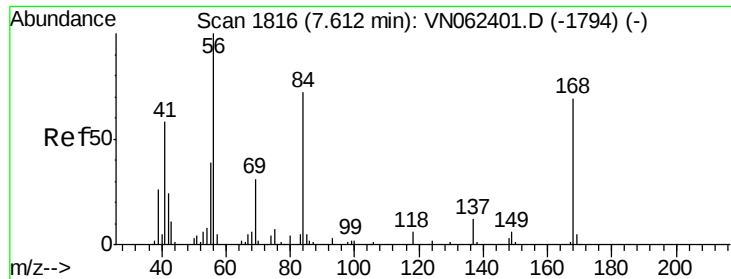
Tot Ion: 42 Resp: 368724
Ion Ratio Lower Upper
42 100
72 37.3 29.1 43.7
71 36.0 28.1 42.1



#30
Chloroform
Concen: 55.841 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 83 Resp: 281373
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6





#31

Cyclohexane

Concen: 50.675 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

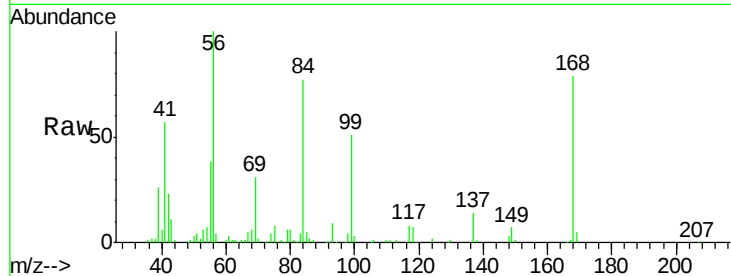
Tot Ion: 56 Resp: 268096

Ion Ratio Lower Upper

56 100

69 31.1 24.5 36.7

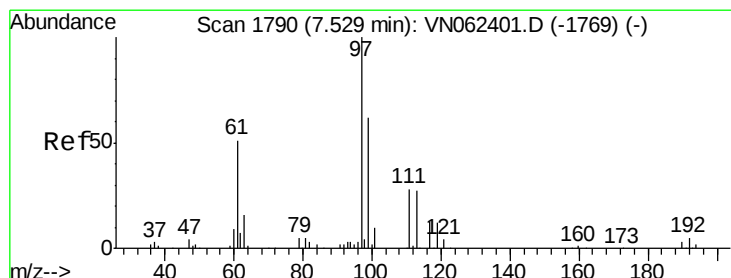
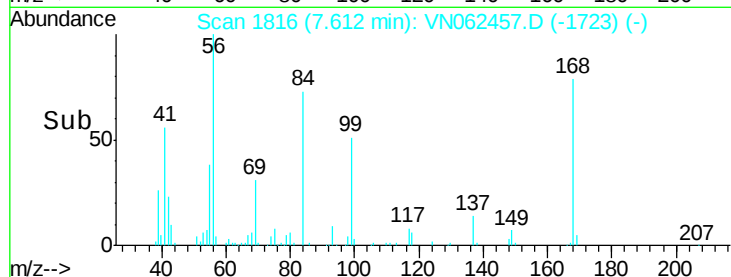
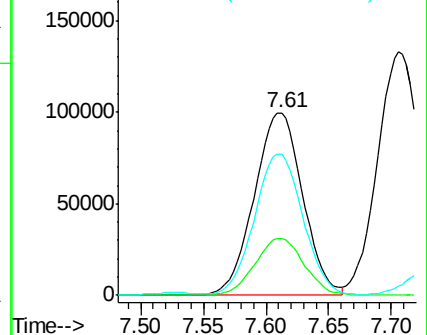
84 76.5 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN062401.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062401.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062401.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 55.837 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

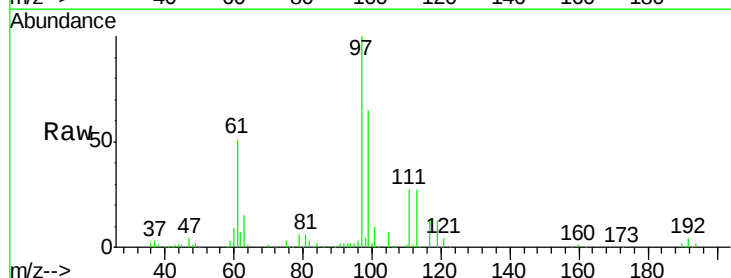
Tgt Ion: 97 Resp: 234032

Ion Ratio Lower Upper

97 100

99 63.6 50.4 75.6

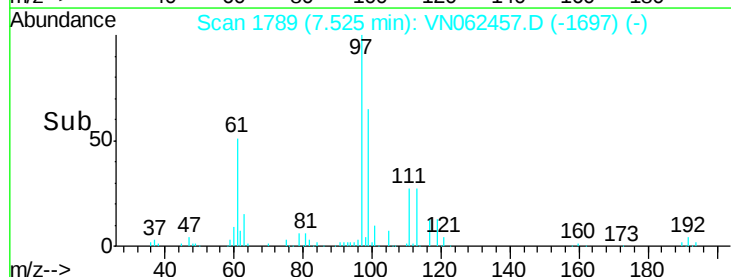
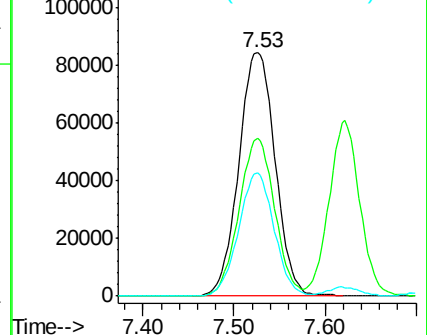
61 49.3 39.9 59.9

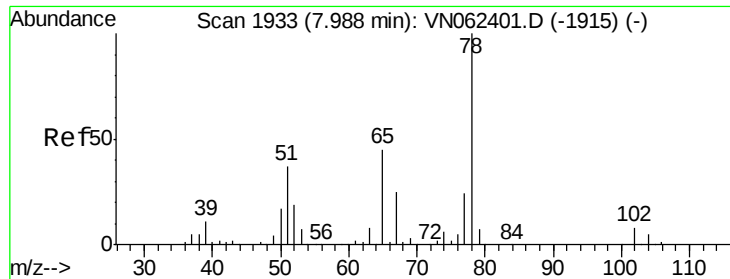


Abundance Ion 96.90 (96.60 to 97.60): VN062401.D (-1769) (-)

Ion 98.90 (98.60 to 99.60): VN062401.D (-1769) (-)

Ion 60.90 (60.60 to 61.60): VN062401.D (-1769) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

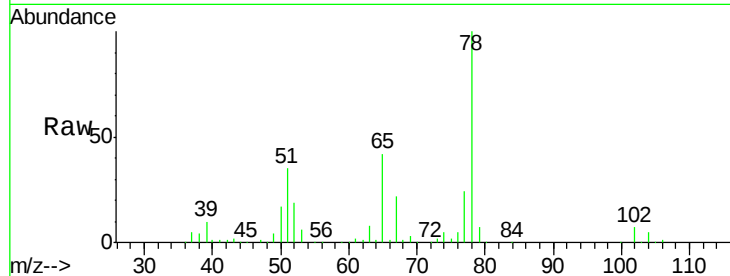
VSTDCCC050

Tot Ion: 65 Resp: 169326

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)

7.99

80000

60000

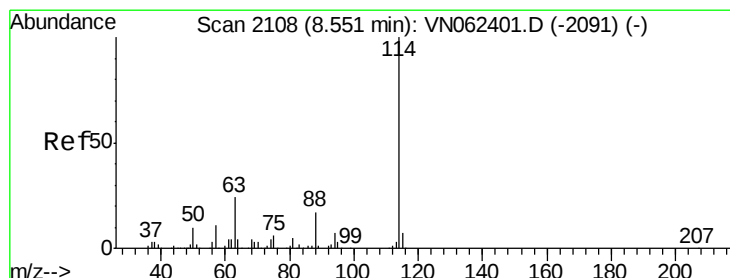
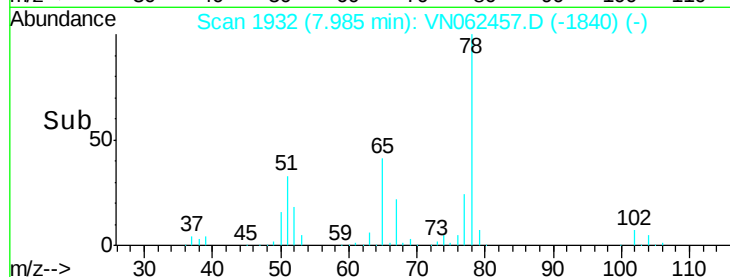
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

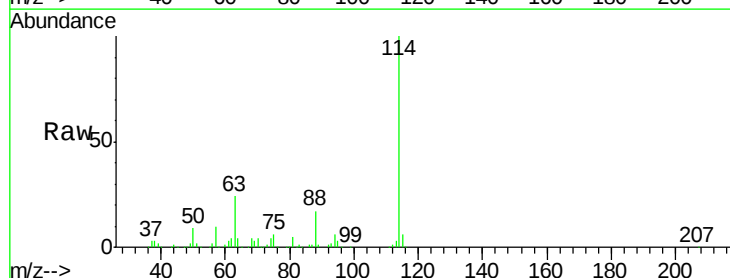
Tgt Ion: 114 Resp: 384698

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.4

88 17.1 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062401.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062401.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062401.D (-2091) (-)

8.55

250000

200000

150000

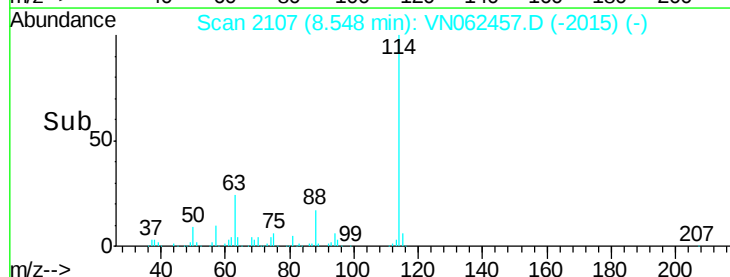
100000

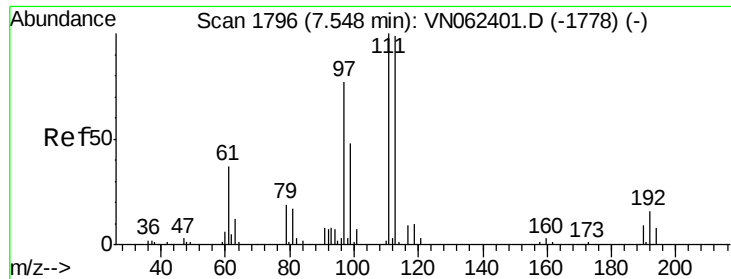
50000

0

8.50 8.55 8.60

Time-->

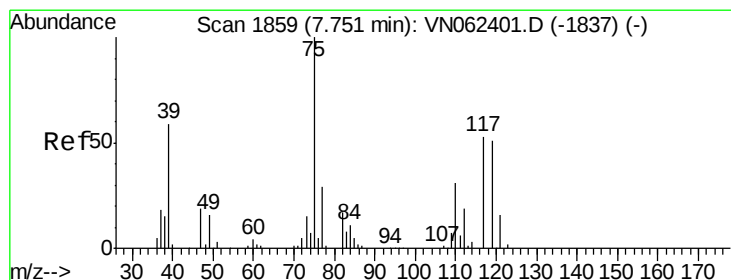
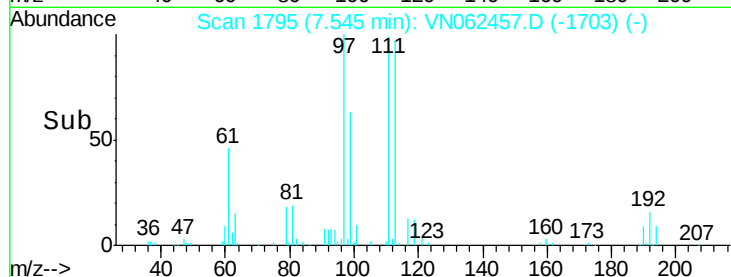
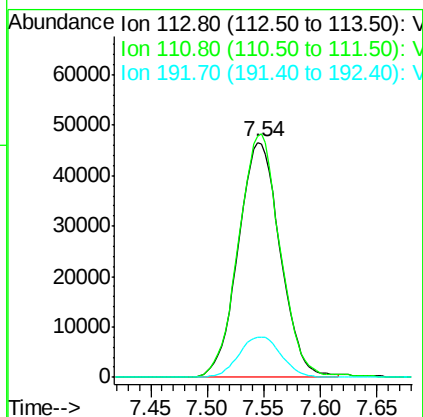
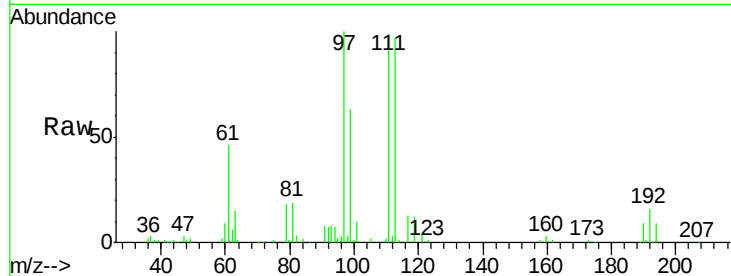




#35
 Dibromofluoromethane
 Concen: 50.588 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

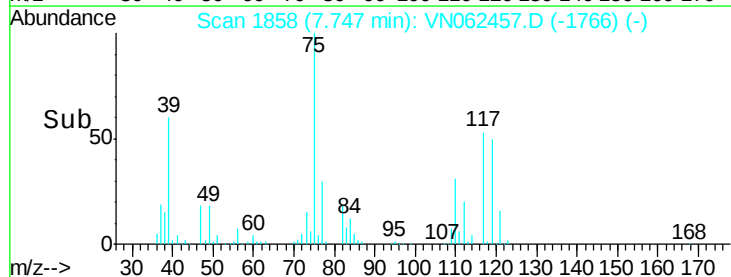
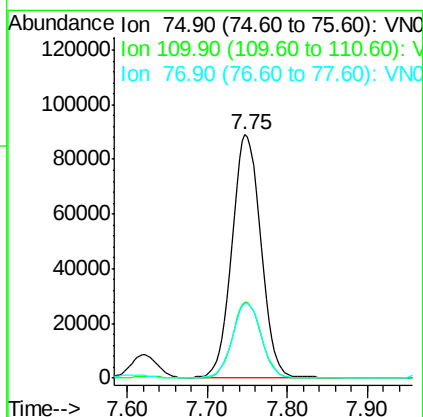
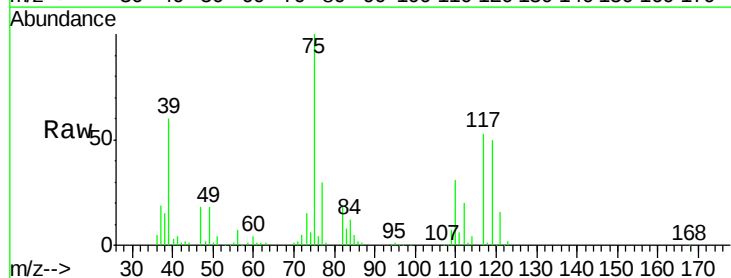
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

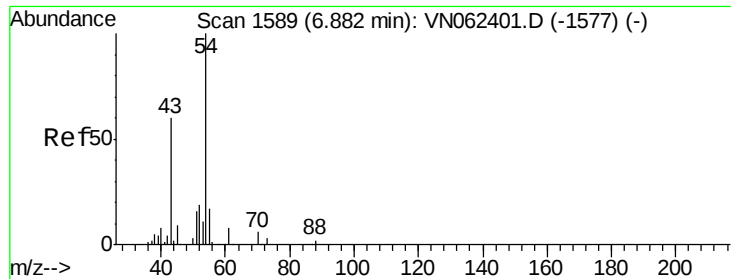
Tot Ion:113 Resp: 120295
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.1 124.7
 192 17.5 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 55.908 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 75 Resp: 216688
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.4 46.2
 77 31.1 24.1 36.1

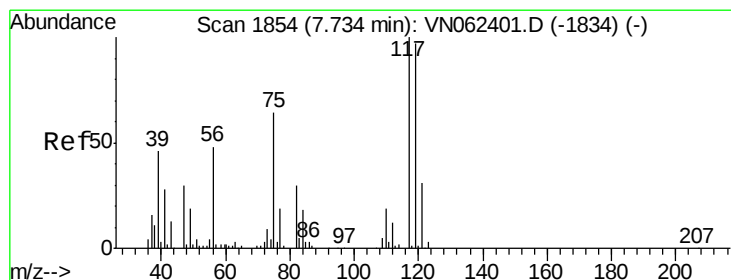
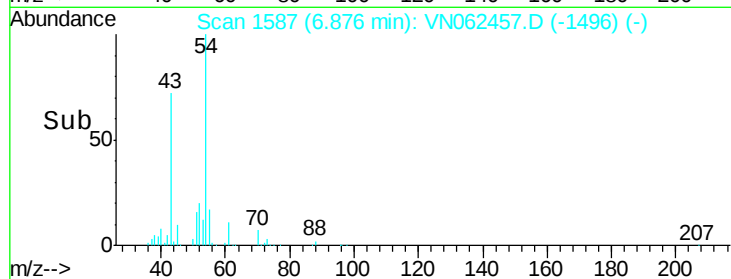
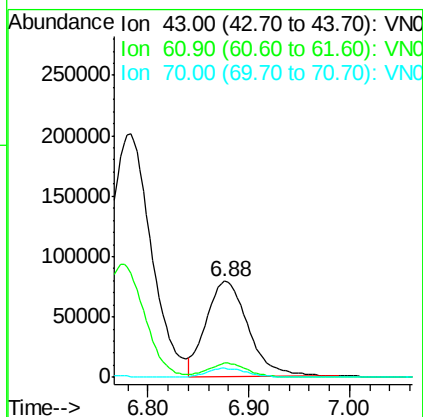
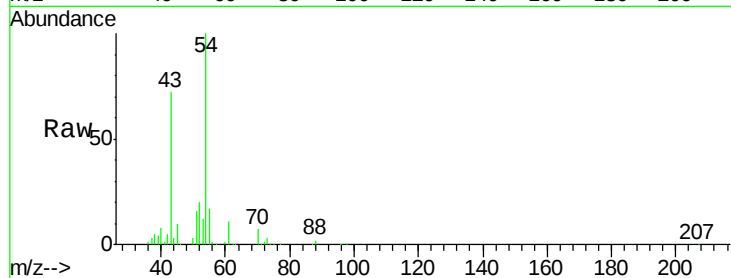




#37
Ethyl Acetate
Concen: 50.548 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

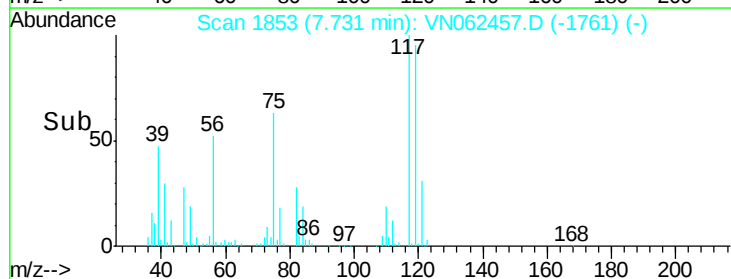
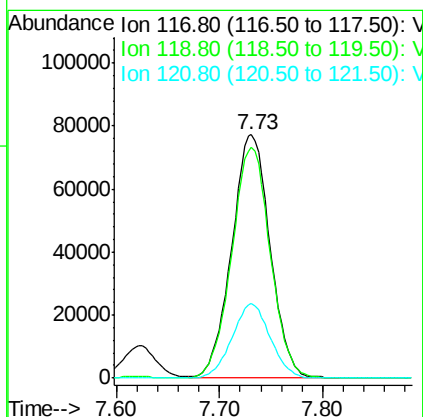
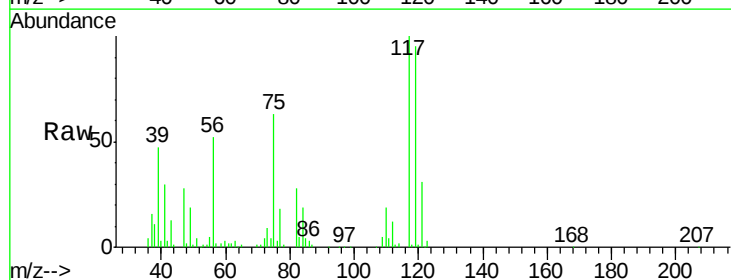
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

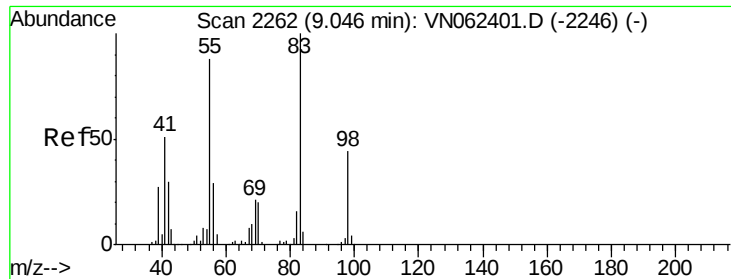
Tot Ion: 43 Resp: 229085
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 9.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 57.148 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 117 Resp: 199132
Ion Ratio Lower Upper
117 100
119 94.8 77.2 115.8
121 30.8 24.8 37.2

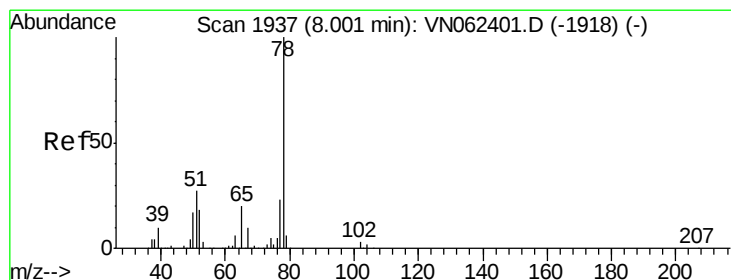
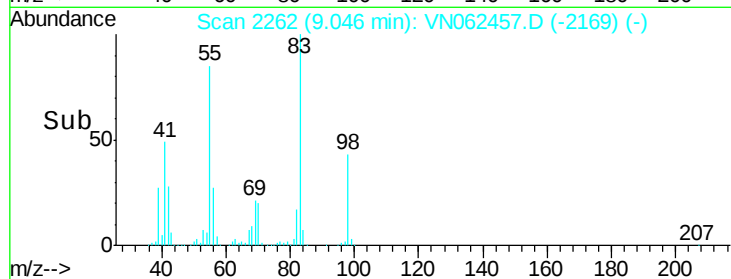
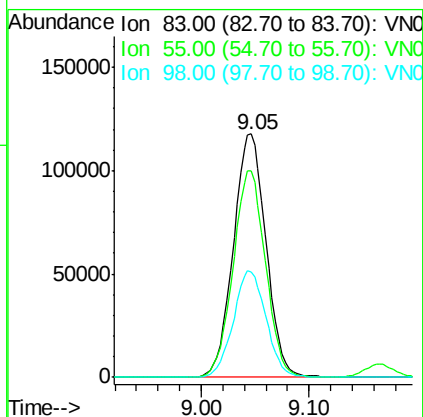
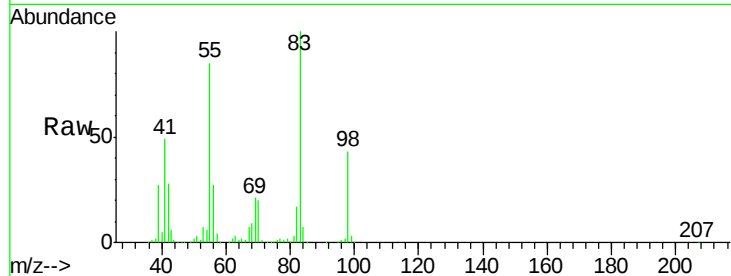




#39
Methvlcvclohexane
Concen: 59.963 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

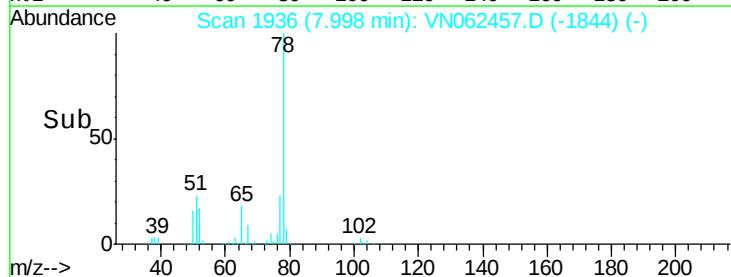
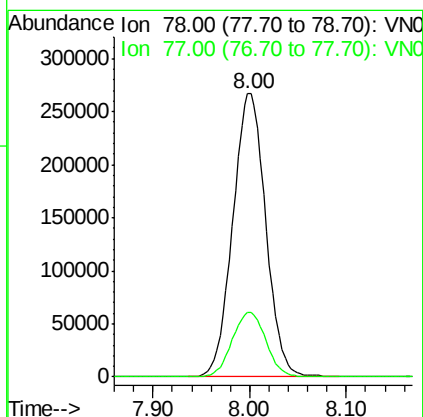
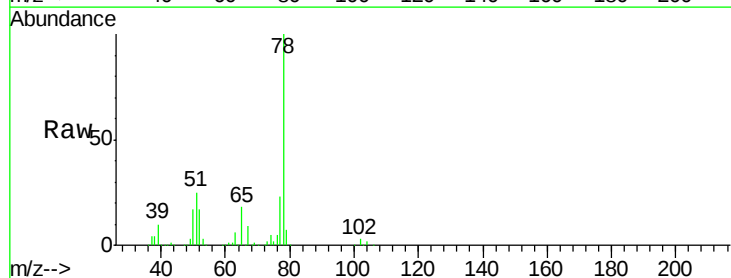
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

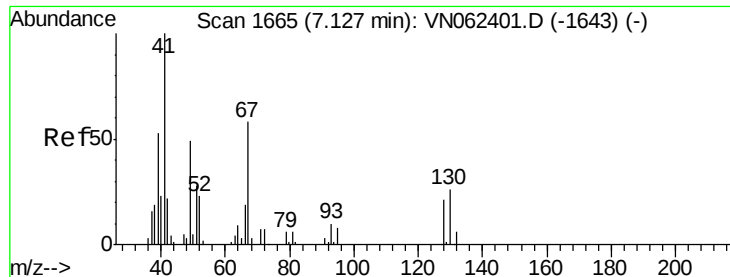
Tot Ion: 83 Resp: 248113
Ion Ratio Lower Upper
83 100
55 84.7 70.5 105.7
98 43.2 35.5 53.3



#40
Benzene
Concen: 55.389 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 78 Resp: 632696
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1



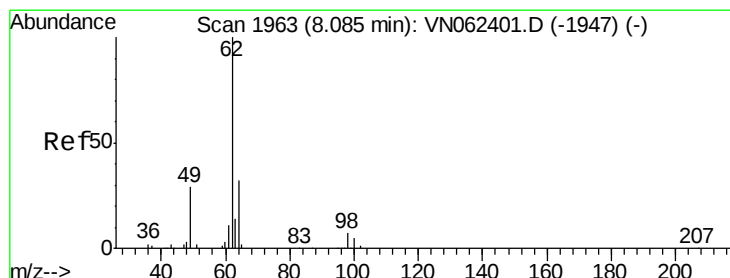
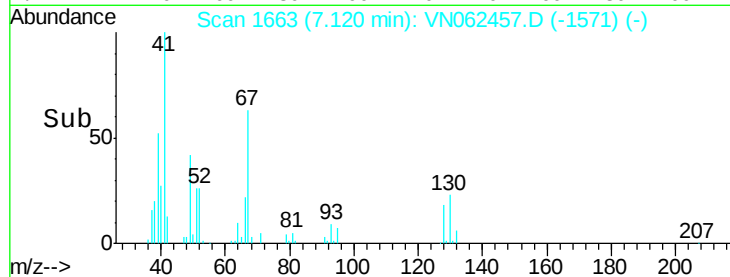
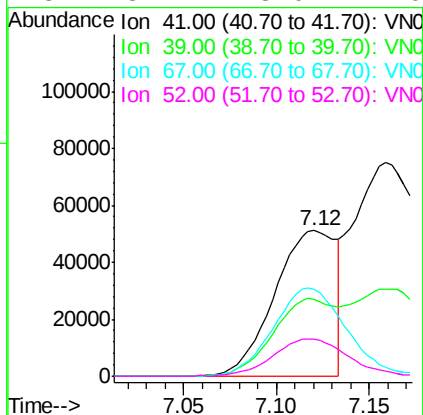
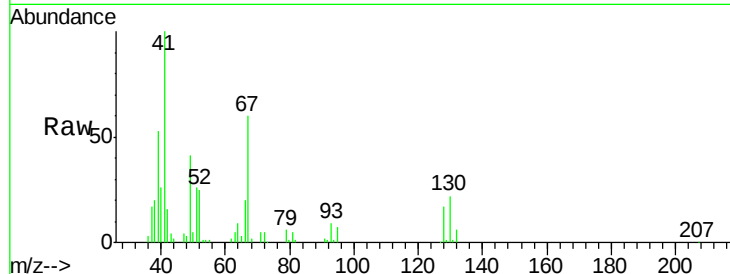


#41
Methacrylonitrile
Concen: 62.172 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 117722

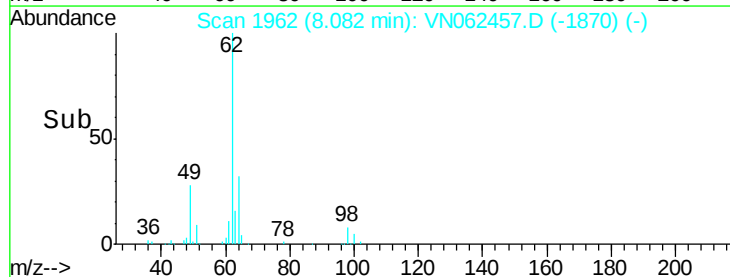
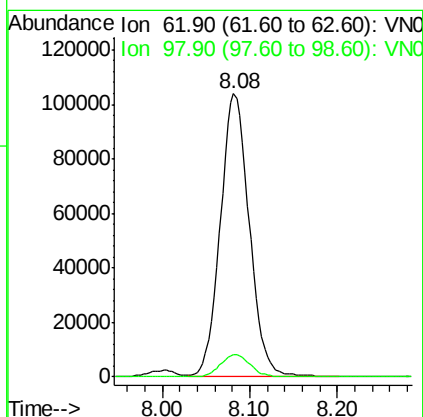
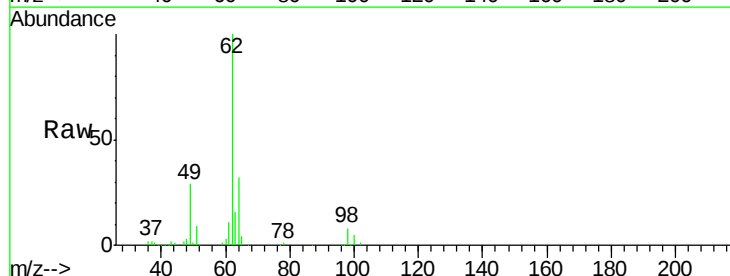
Ion	Ratio	Lower	Upper
41	100		
39	53.5	50.2	75.2
67	72.3	64.2	96.2
52	31.7	28.0	42.0

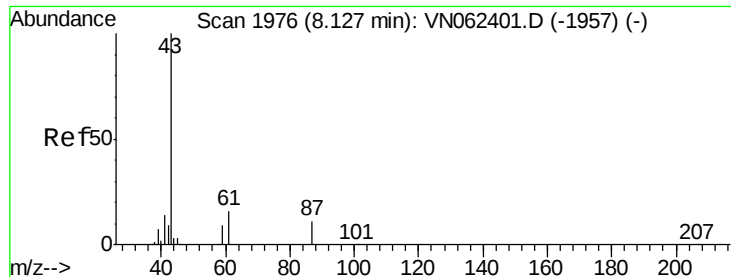


#42
1,2-Dichloroethane
Concen: 56.993 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 62 Resp: 238376

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





#43

Isopropyl Acetate

Concen: 54.468 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

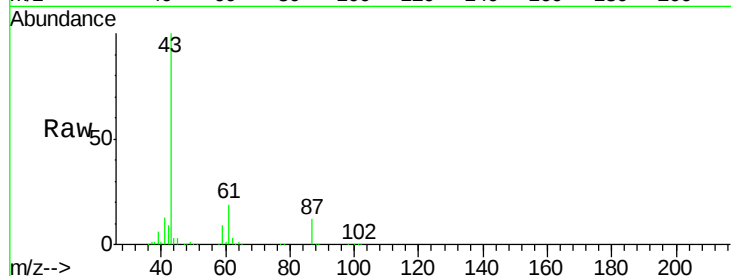
Tot Ion: 43 Resp: 389955

Ion Ratio Lower Upper

43 100

61 25.5 19.3 28.9

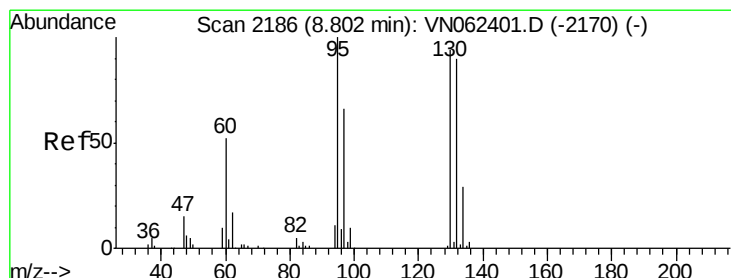
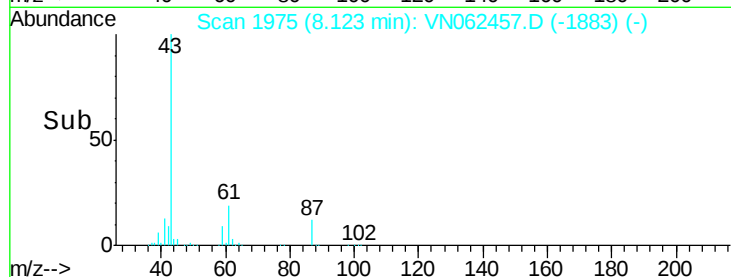
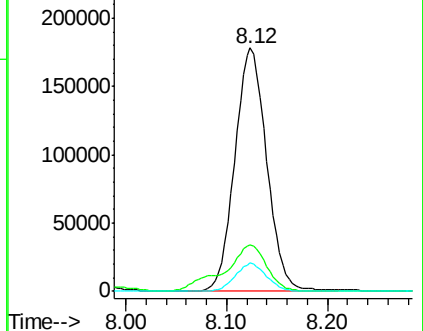
87 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1957) (-)



#44

Trichloroethene

Concen: 57.645 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062457.D

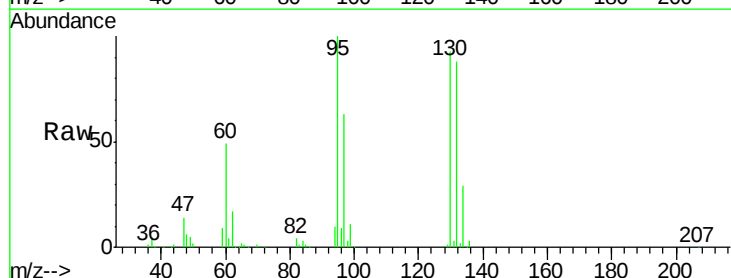
Acq: 9 Jul 2020 15:26

Tgt Ion: 130 Resp: 146094

Ion Ratio Lower Upper

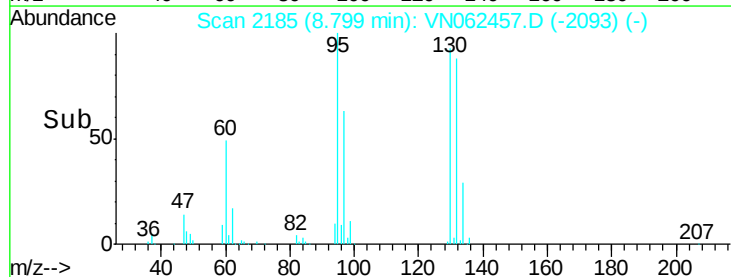
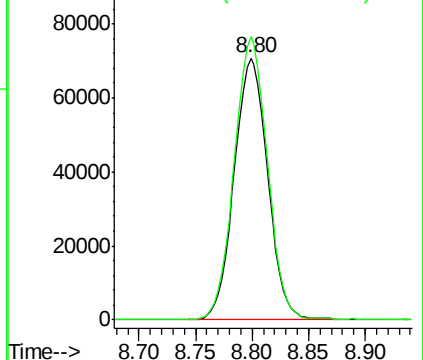
130 100

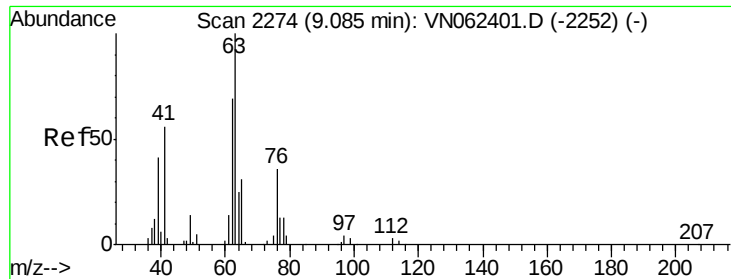
95 108.1 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062401.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062401.D (-2170) (-)





#45

1,2-Dichloropropane

Concen: 56.027 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

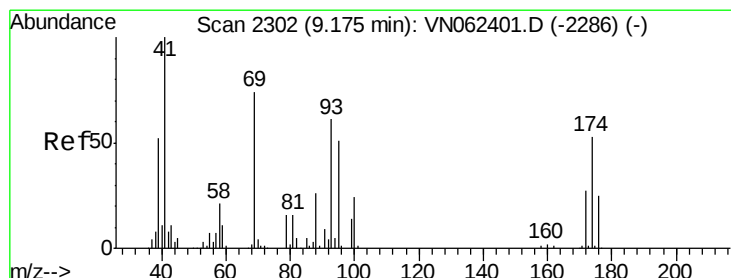
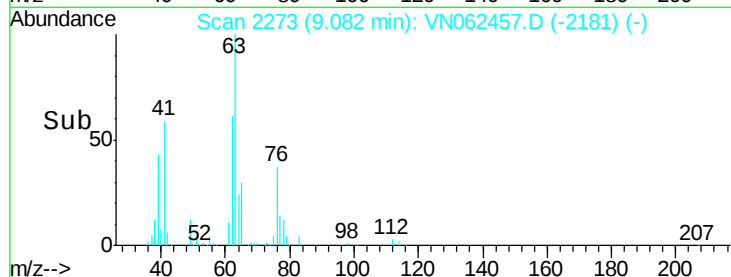
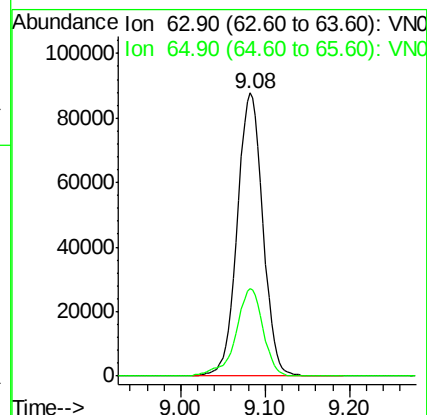
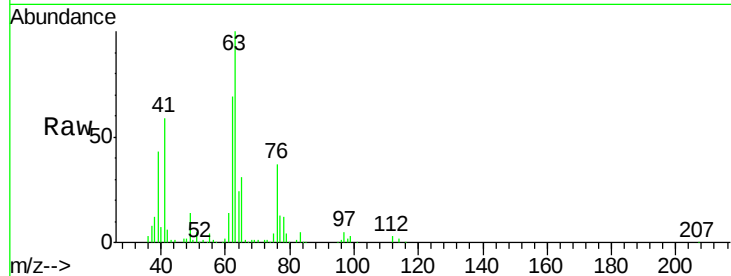
VSTDCCC050

Tot Ion: 63 Resp: 185786

Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8



#46

Dibromomethane

Concen: 57.168 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

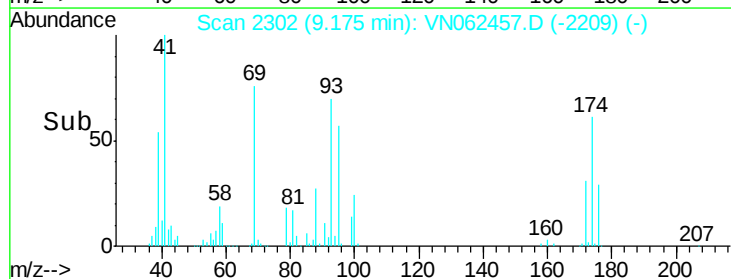
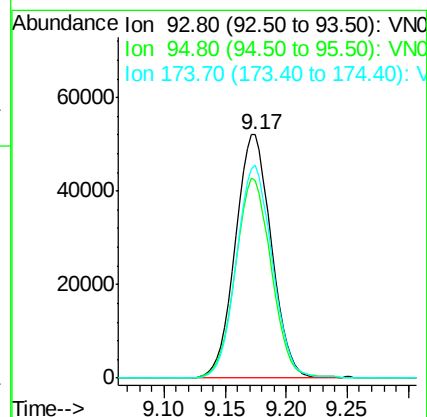
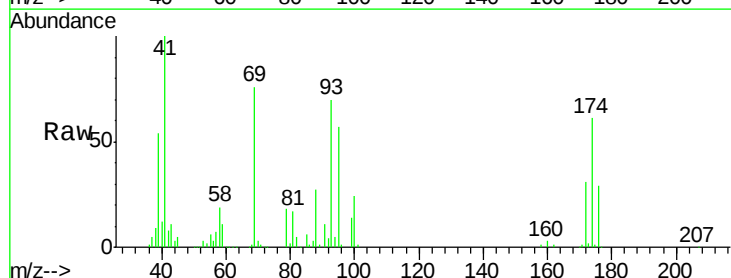
Tgt Ion: 93 Resp: 106978

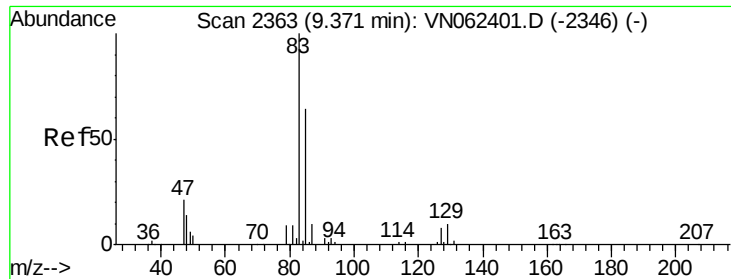
Ion Ratio Lower Upper

93 100

95 81.7 67.1 100.7

174 86.7 70.4 105.6





#47

Bromodichloromethane

Concen: 56.962 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

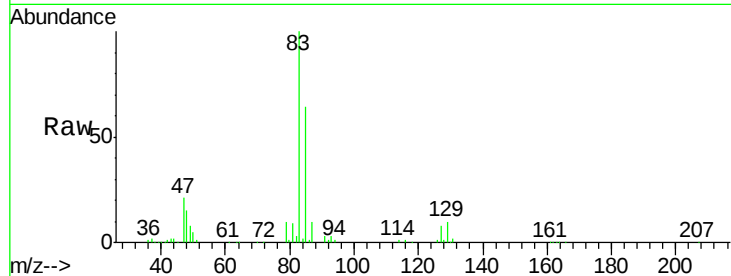
Tot Ion: 83 Resp: 227893

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

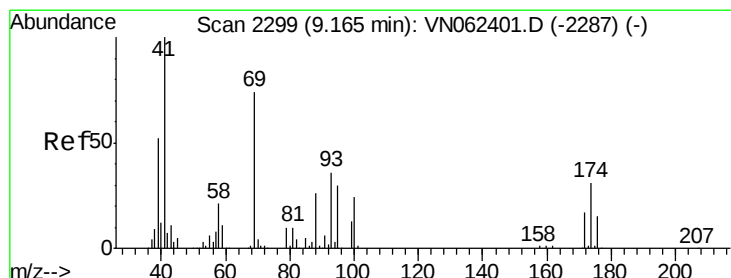
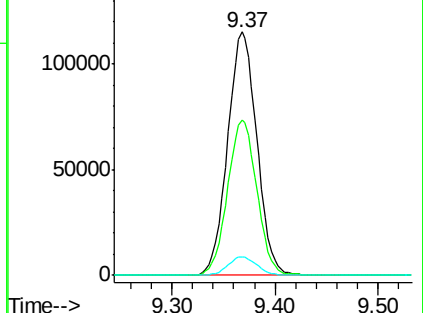
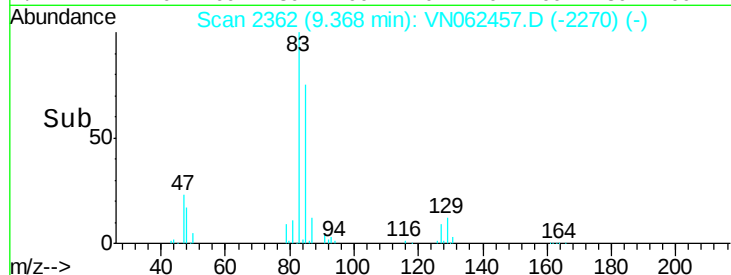
127 7.8 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062457.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062457.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062457.D (-2270) (-)



#48

Methyl methacrylate

Concen: 54.551 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

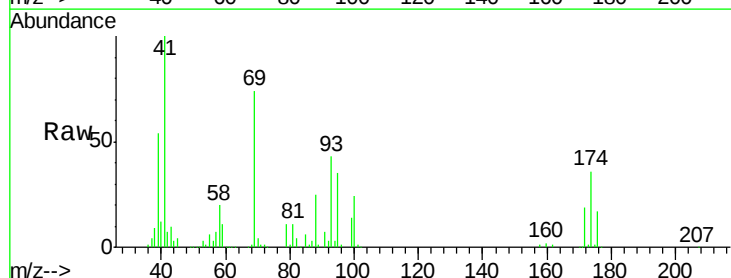
Tgt Ion: 41 Resp: 191576

Ion Ratio Lower Upper

41 100

69 76.9 60.8 91.2

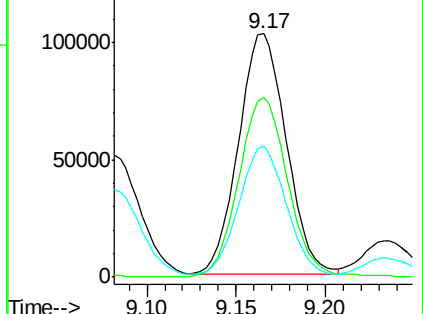
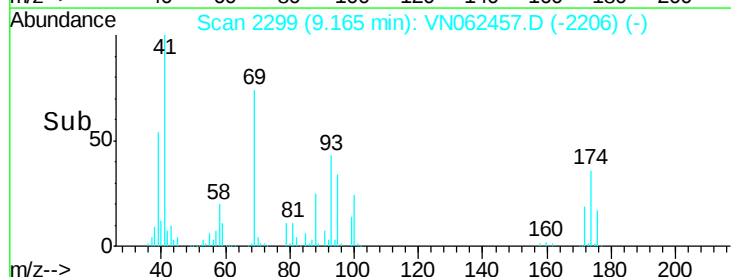
39 54.9 43.5 65.3

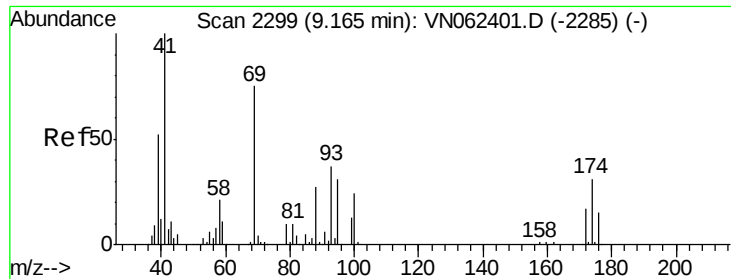


Abundance Ion 41.00 (40.70 to 41.70): VN062457.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062457.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062457.D (-2206) (-)

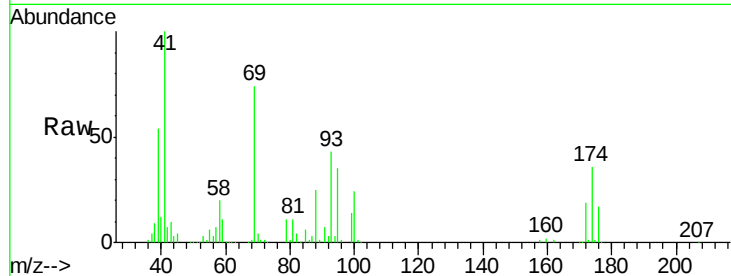




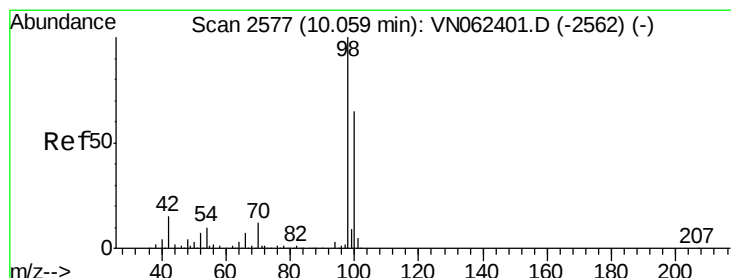
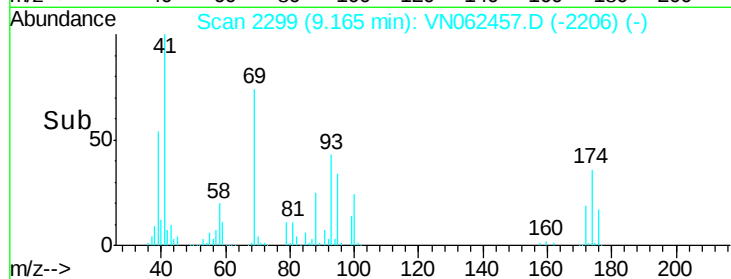
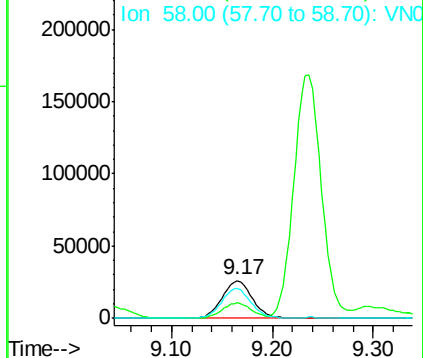
#49
 1,4-Dioxane
 Concen: 1075.954 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 54998
 Ion Ratio Lower Upper
 88 100
 43 37.3 31.0 46.4
 58 76.5 63.3 94.9

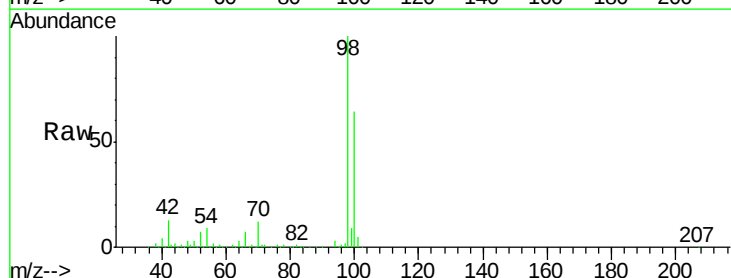


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

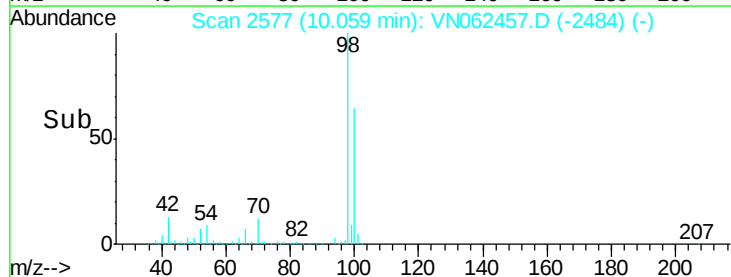
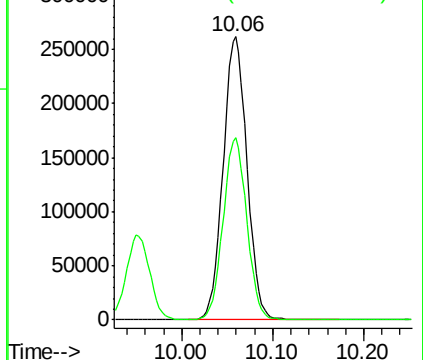


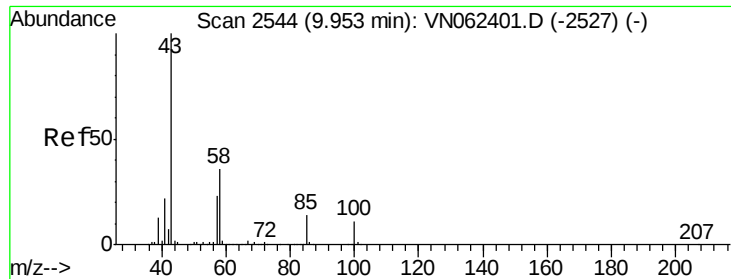
#50
 Toluene-d8
 Concen: 50.832 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 98 Resp: 477180
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 271.687 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

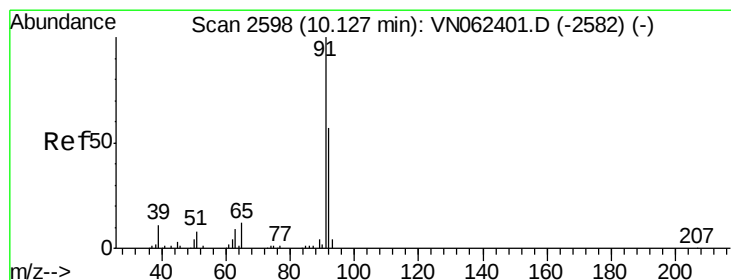
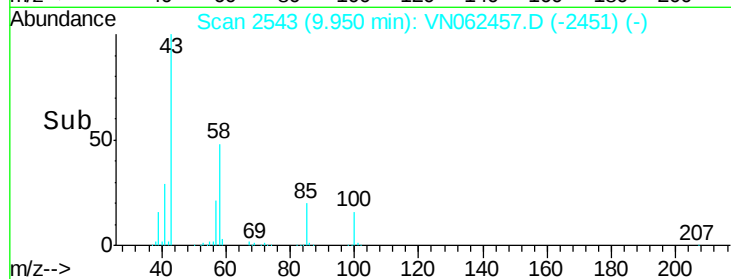
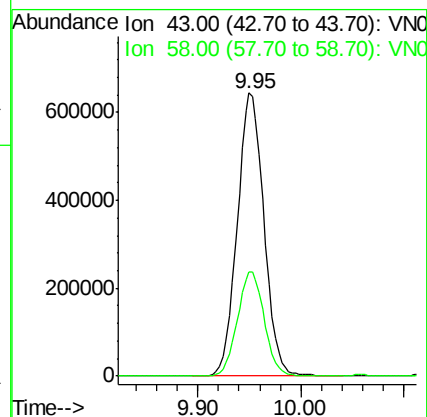
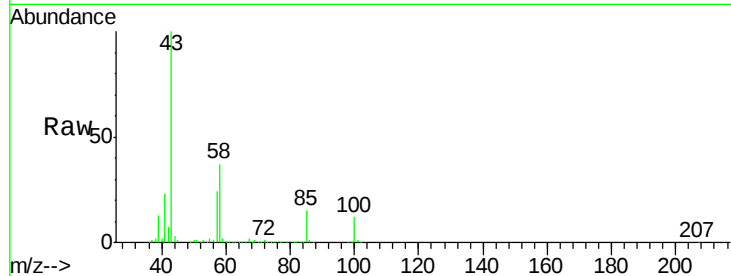
VSTDCCC050

Tot Ion: 43 Resp: 1161763

Ion Ratio Lower Upper

43 100

58 37.0 29.0 43.6



#52

Toluene

Concen: 58.050 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062457.D

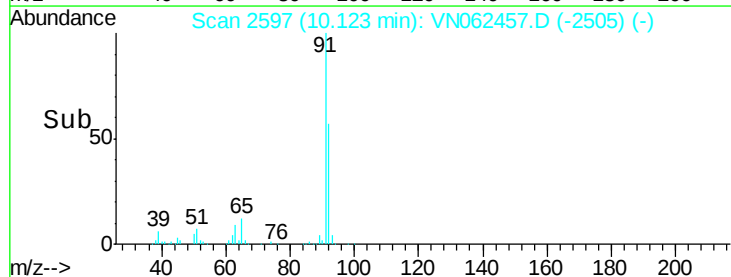
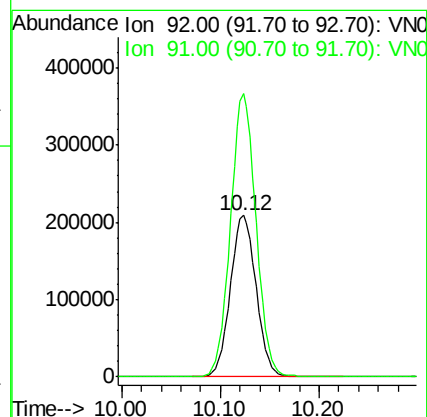
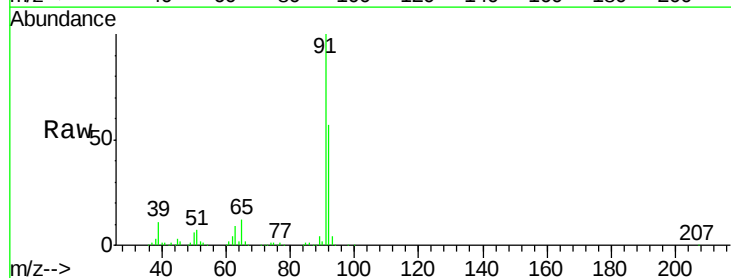
Acq: 9 Jul 2020 15:26

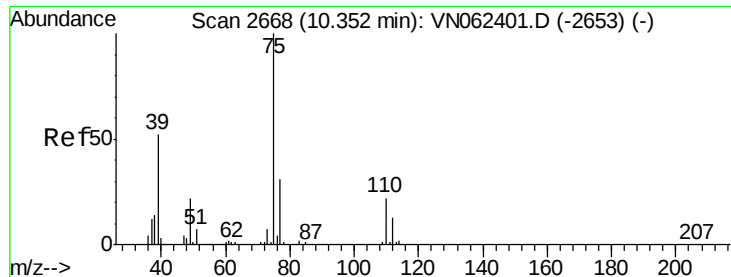
Tgt Ion: 92 Resp: 383011

Ion Ratio Lower Upper

92 100

91 173.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 59.203 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

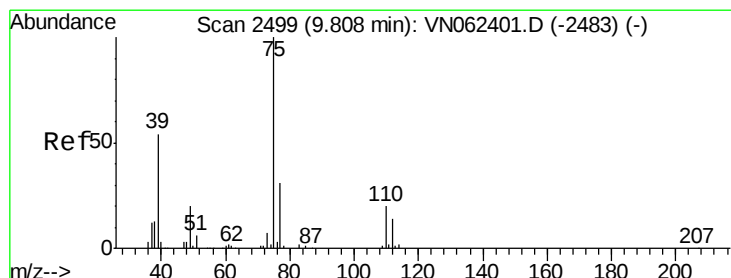
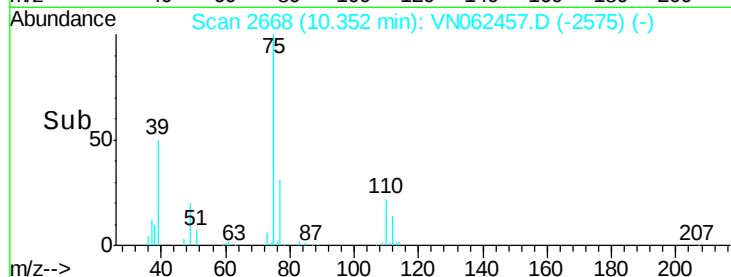
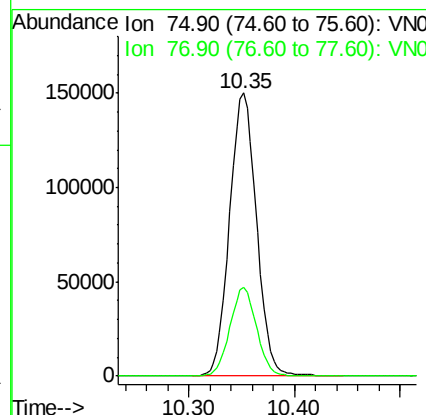
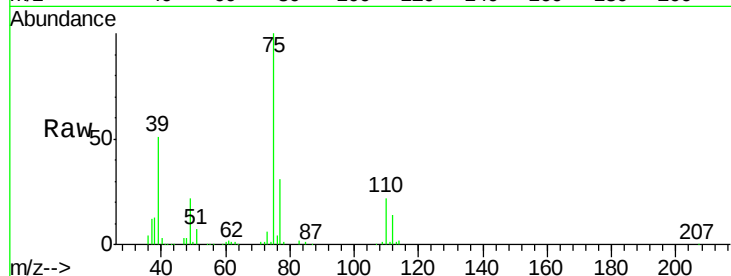
VSTDCCC050

Tot Ion: 75 Resp: 265361

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 57.364 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

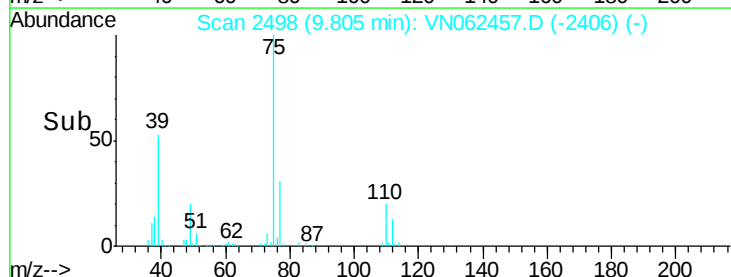
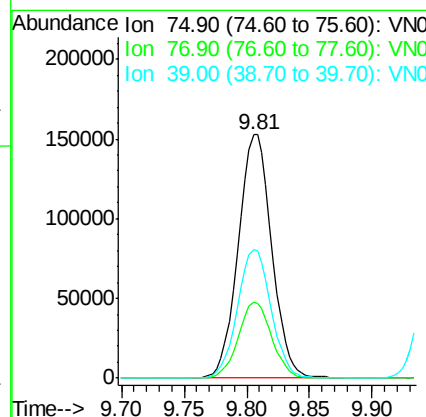
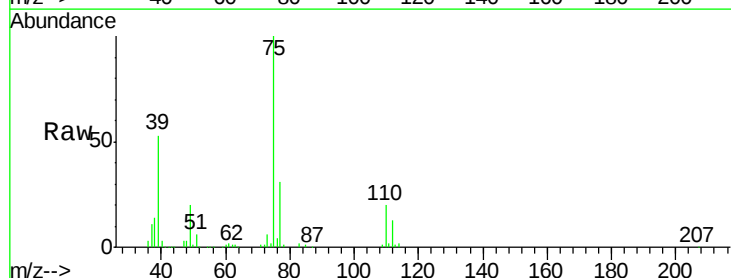
Tgt Ion: 75 Resp: 283692

Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7

39 53.0 43.4 65.0



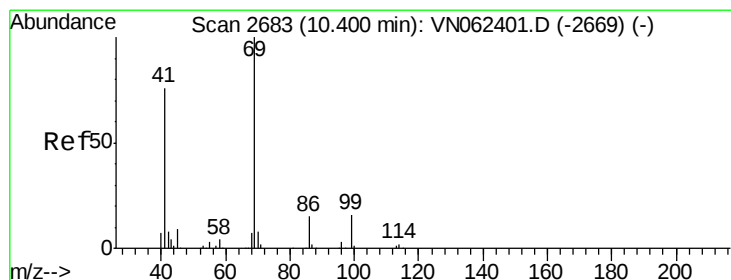
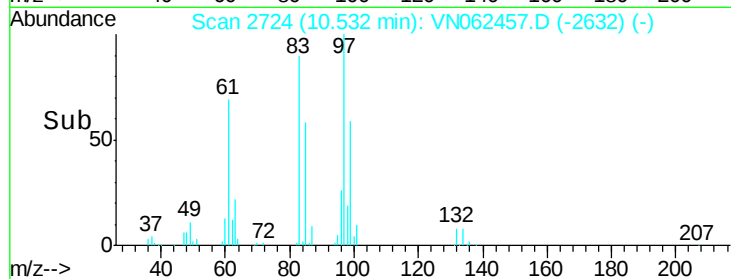
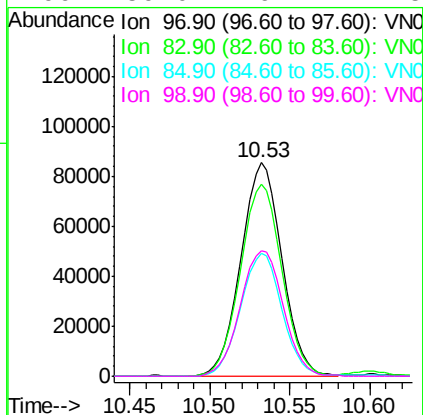
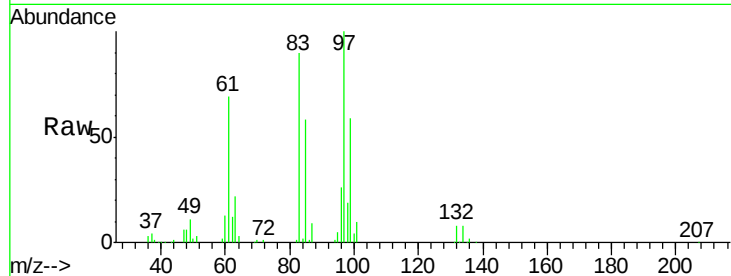


#55
 1,1,2-Trichloroethane
 Concen: 57.586 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 149436

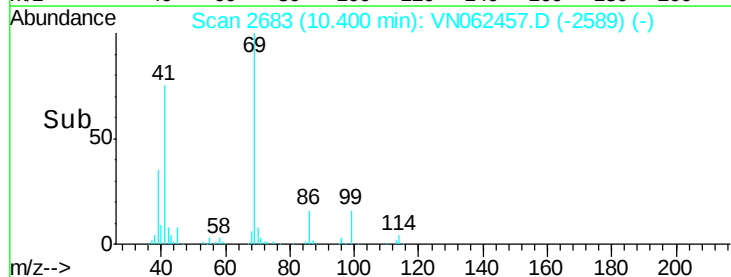
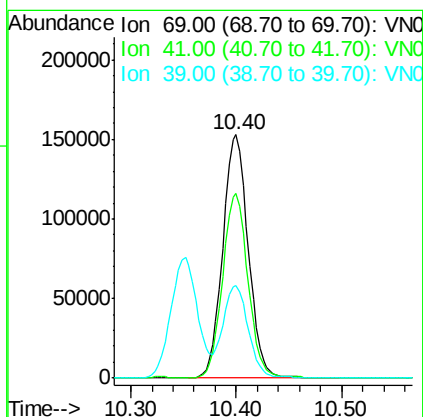
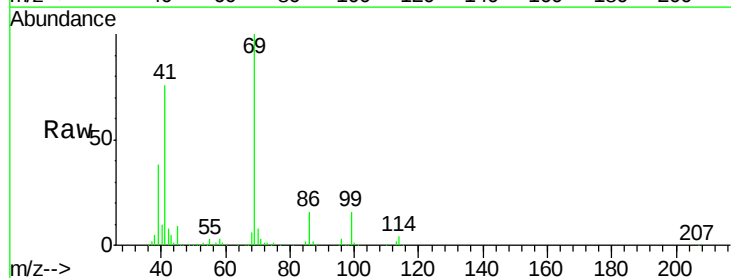
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.0	106.4
85	57.7	46.2	69.4
99	59.0	49.7	74.5

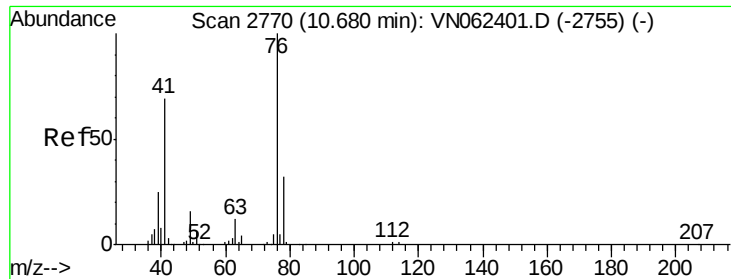


#56
 Ethyl methacrylate
 Concen: 53.454 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 69 Resp: 255868

Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.7	89.5
39	37.6	30.6	45.8

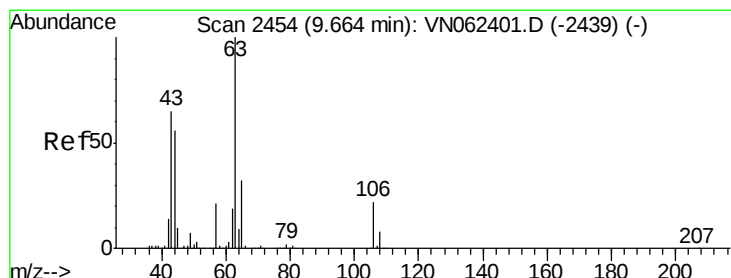
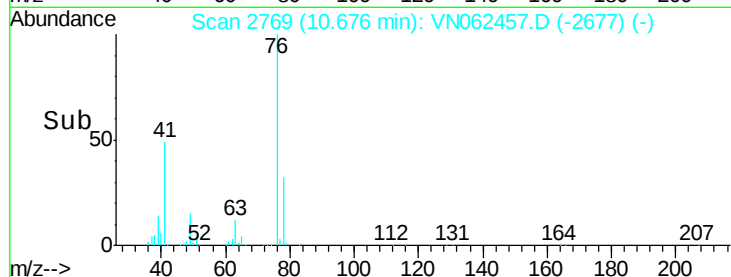
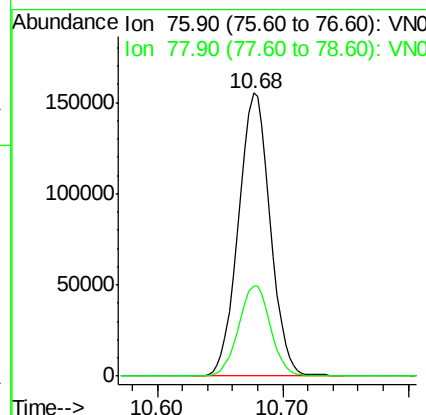
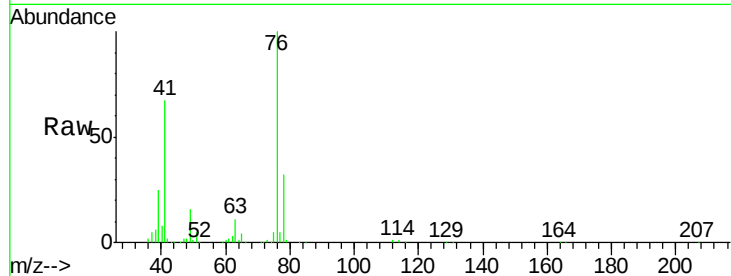




#57
 1,3-Dichloropropane
 Concen: 57.055 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

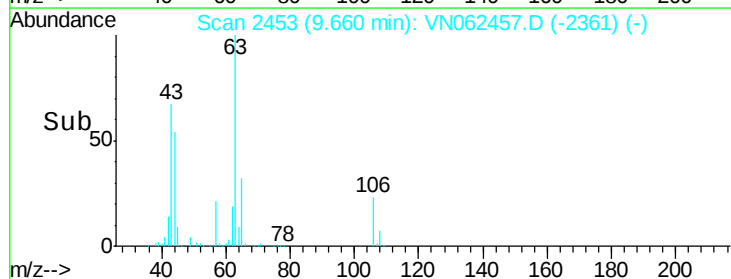
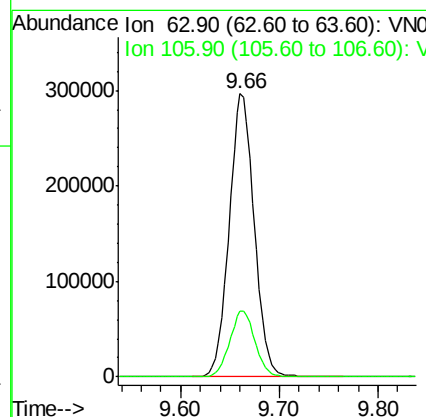
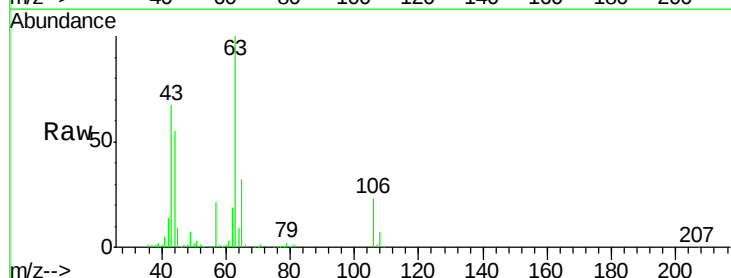
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

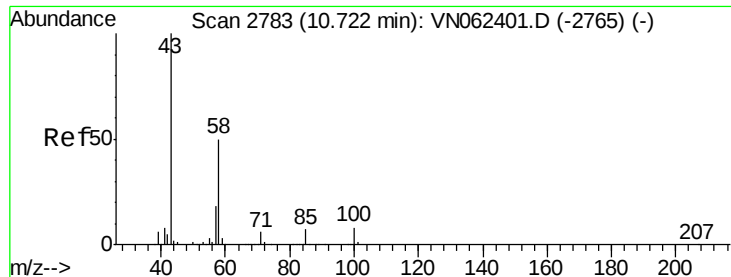
Tot Ion: 76 Resp: 273536
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 342.303 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 63 Resp: 526981
 Ion Ratio Lower Upper
 63 100
 106 23.4 17.6 26.4

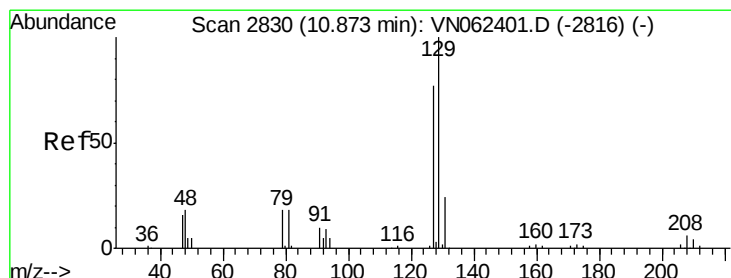
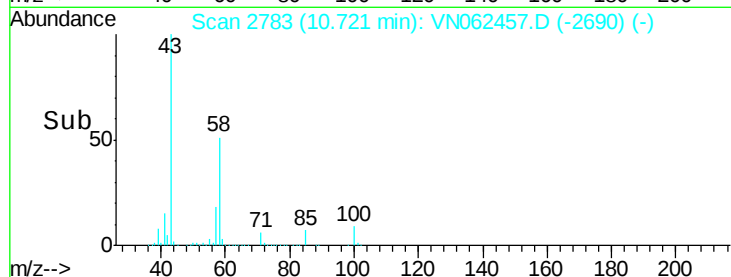
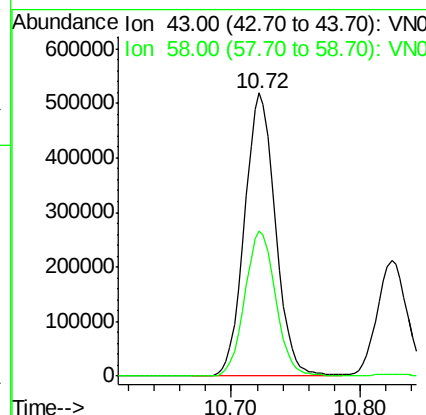
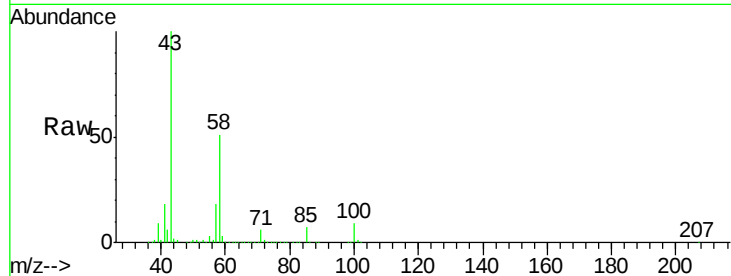




#59
2-Hexanone
Concen: 278.448 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

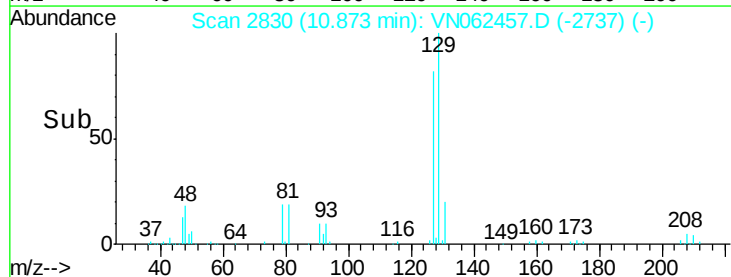
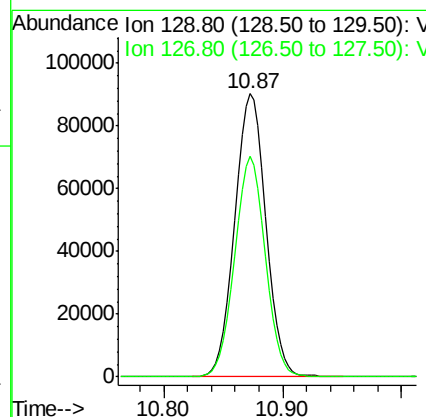
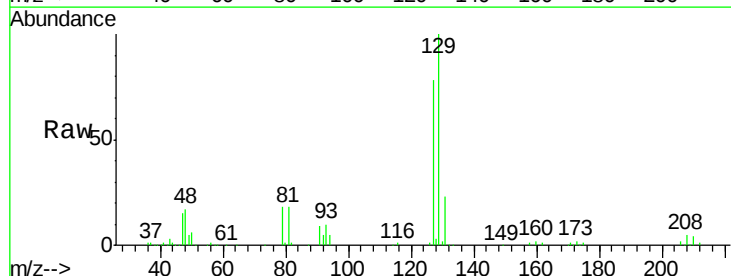
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

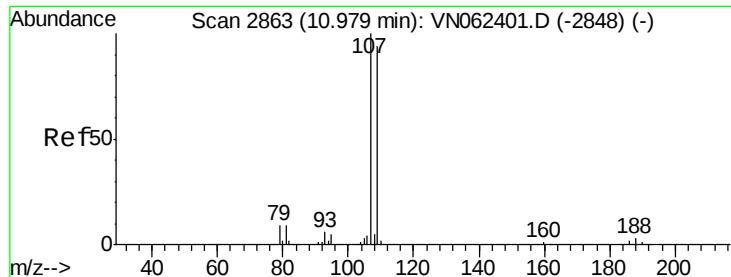
Tot Ion: 43 Resp: 864395
Ion Ratio Lower Upper
43 100
58 51.3 25.1 75.2



#60
Dibromochloromethane
Concen: 58.314 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 129 Resp: 164078
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

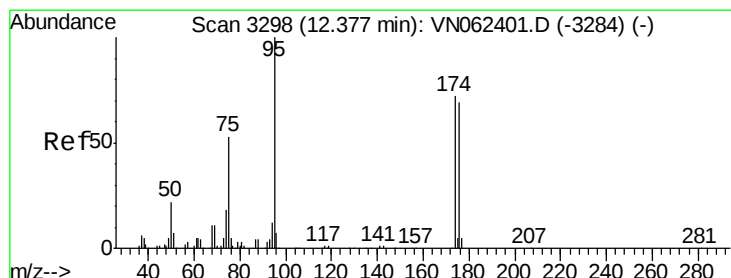
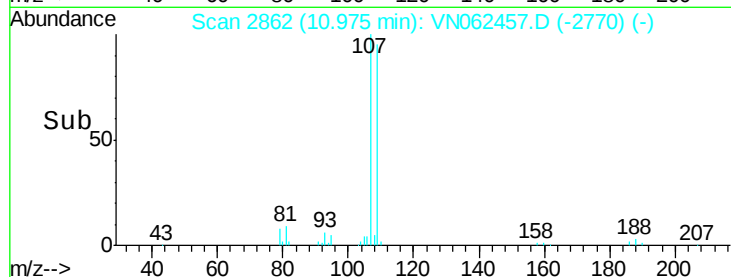
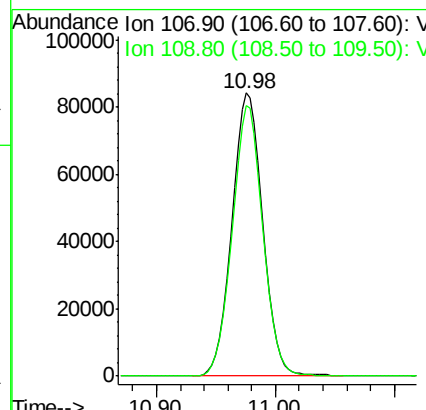
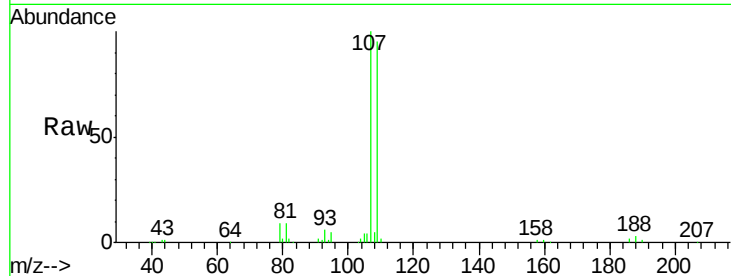




#61
 1,2-Dibromoethane
 Concen: 57.453 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

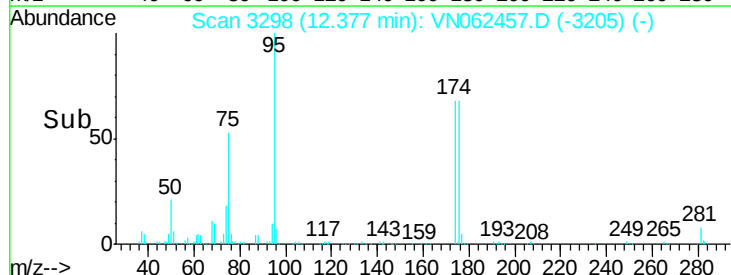
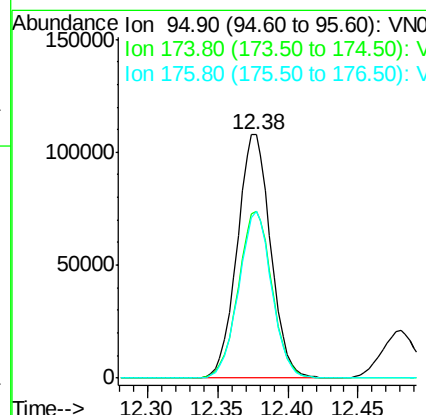
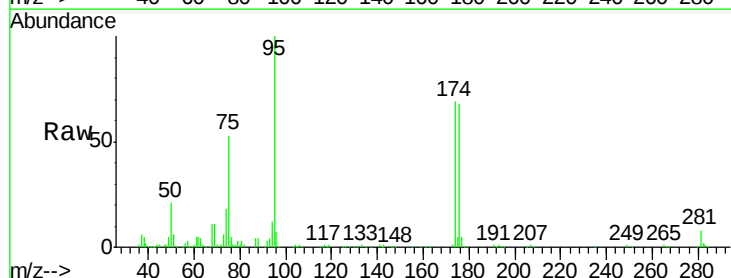
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

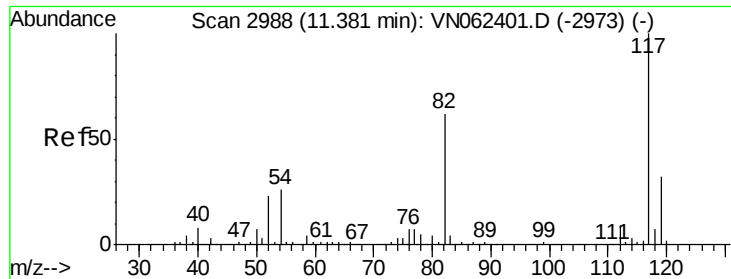
Tot Ion:107 Resp: 150501
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.324 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 95 Resp: 179498
 Ion Ratio Lower Upper
 95 100
 174 69.2 0.0 141.6
 176 67.4 0.0 137.2

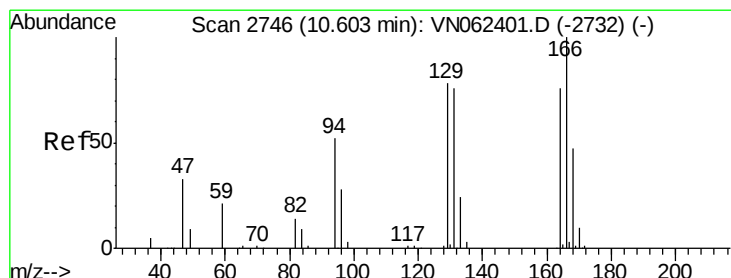
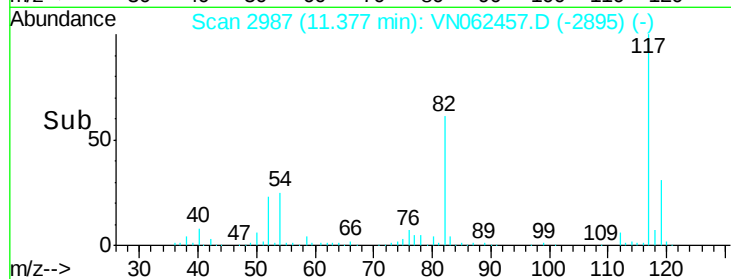
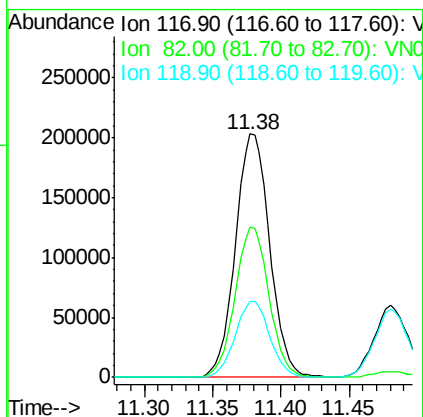
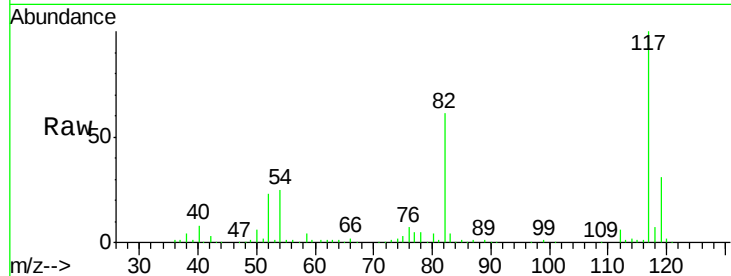




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

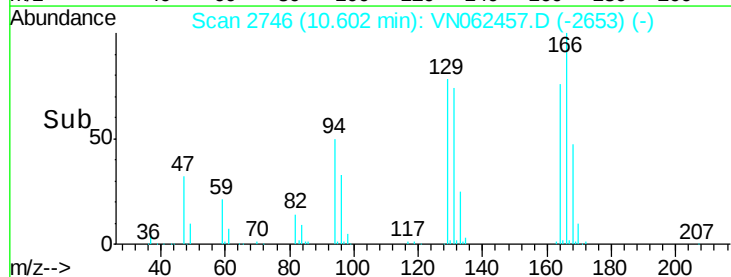
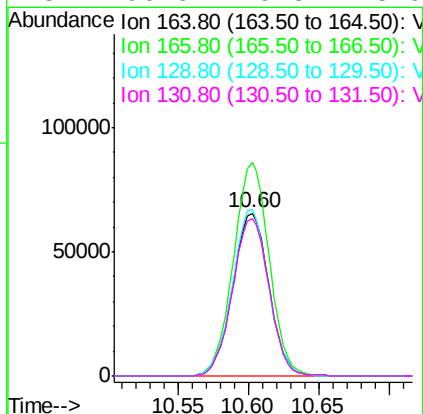
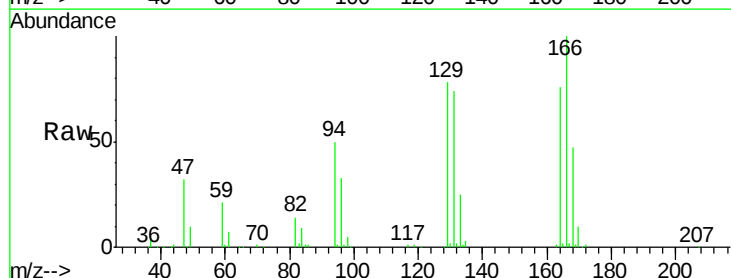
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

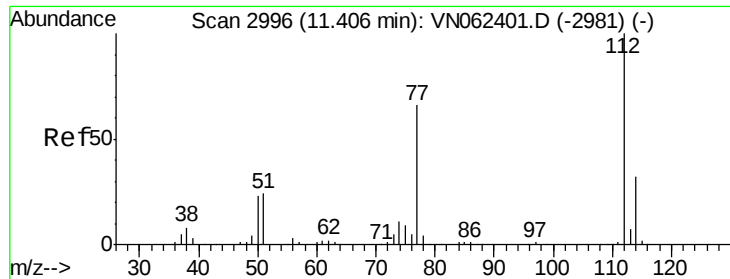
Tot Ion:117 Resp: 354801
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 31.1 25.4 38.0



#64
Tetrachloroethene
Concen: 55.919 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion:164 Resp: 117732
Ion Ratio Lower Upper
164 100
166 131.1 104.9 157.3
129 102.4 81.8 122.6
131 96.6 79.3 118.9





#65

Chlorobenzene

Concen: 57.416 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

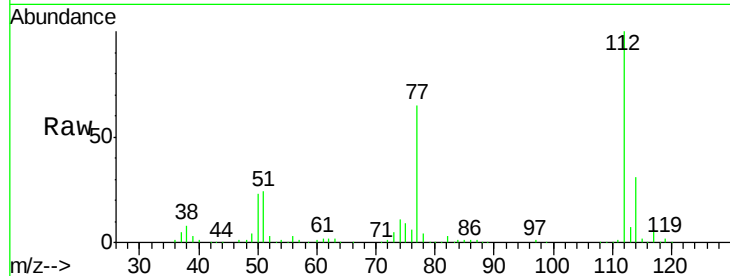
VSTDCCC050

Tot Ion:112 Resp: 395921

Ion Ratio Lower Upper

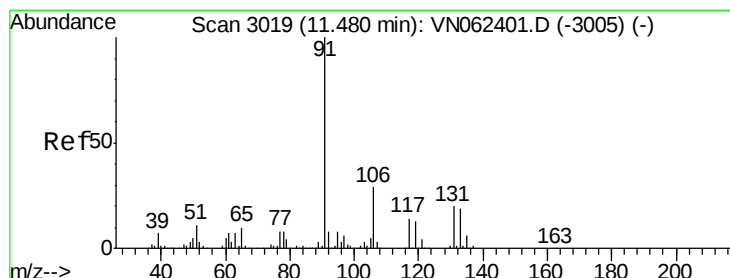
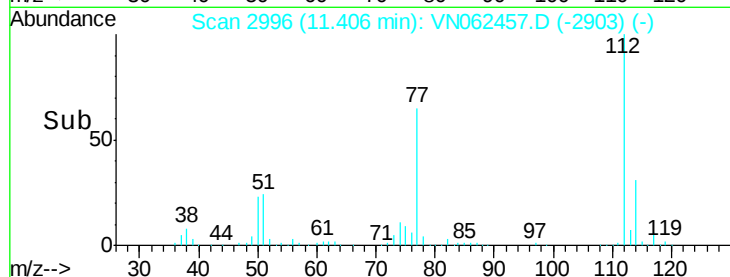
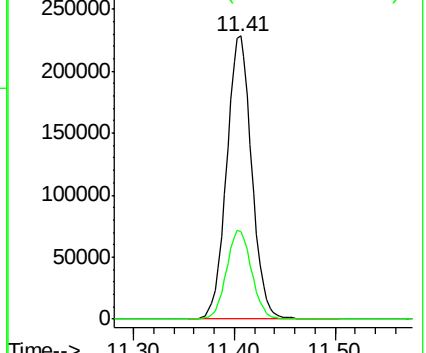
112 100

114 31.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.732 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

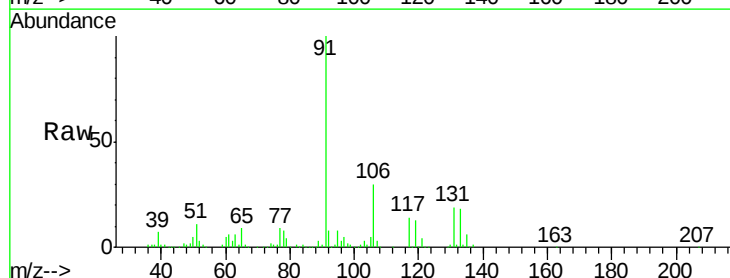
Tgt Ion:131 Resp: 146806

Ion Ratio Lower Upper

131 100

133 94.8 46.9 140.8

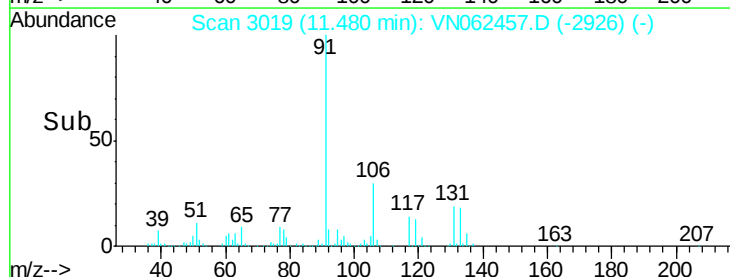
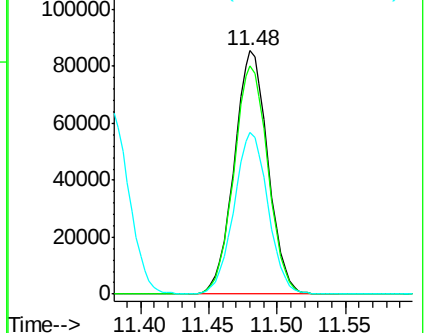
119 67.1 33.2 99.6

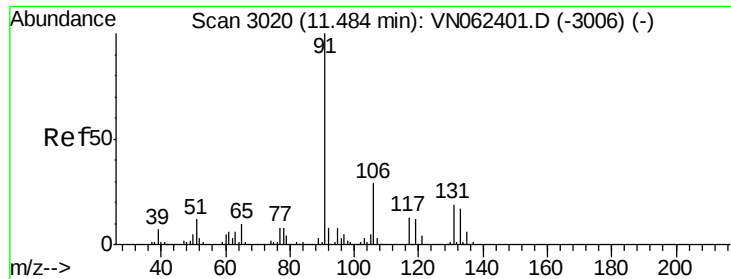


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

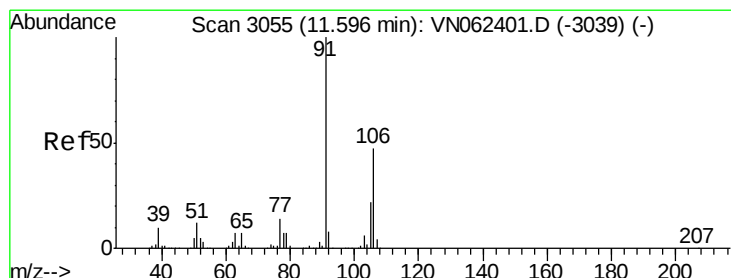
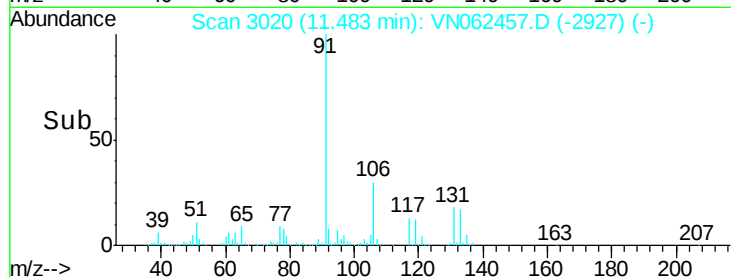
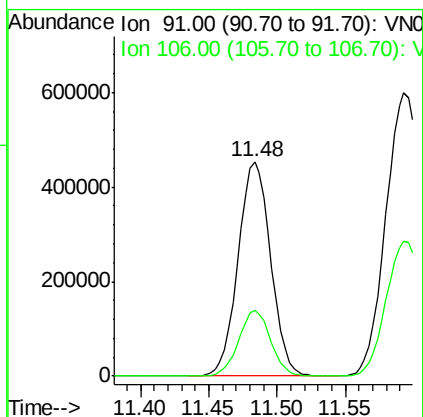
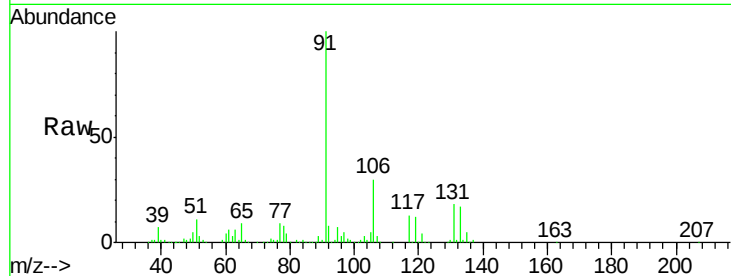




#67
Ethyl Benzene
Concen: 58.163 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

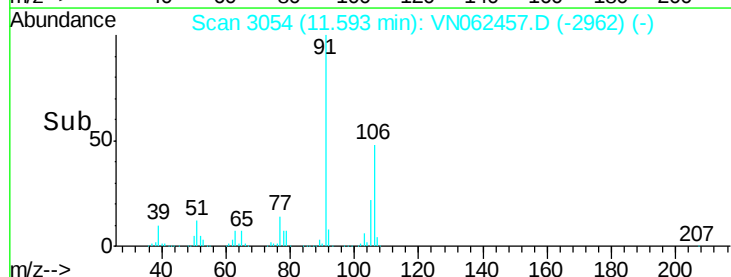
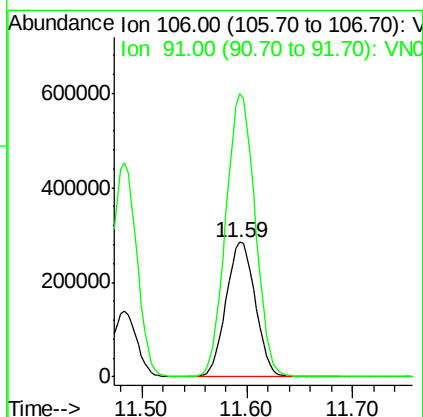
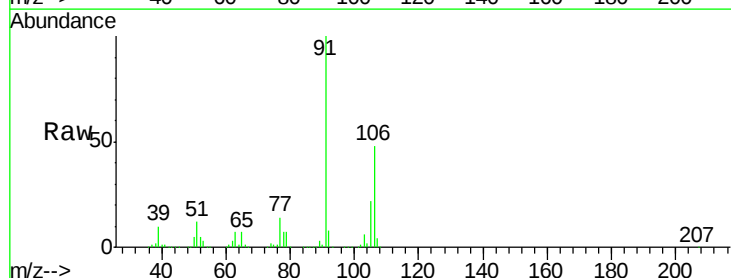
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

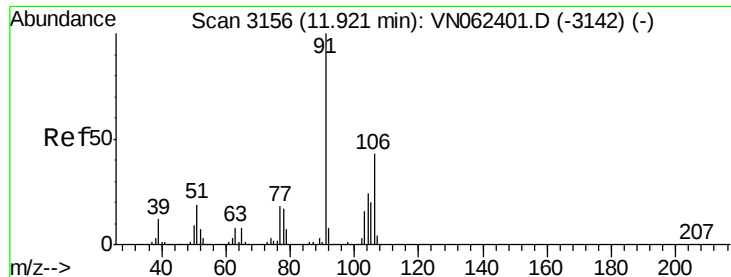
Tot Ion: 91 Resp: 752850
Ion Ratio Lower Upper
91 100
106 30.4 23.4 35.2



#68
m/p-Xylenes
Concen: 119.338 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 106 Resp: 546829
Ion Ratio Lower Upper
106 100
91 210.1 172.4 258.6

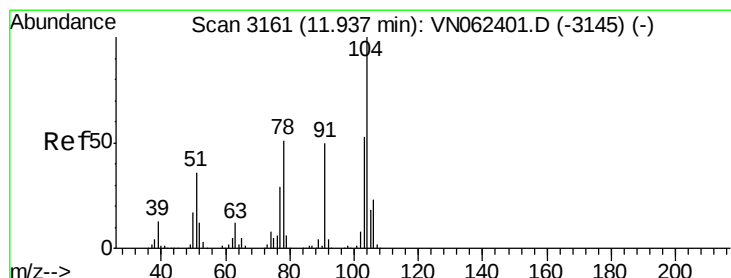
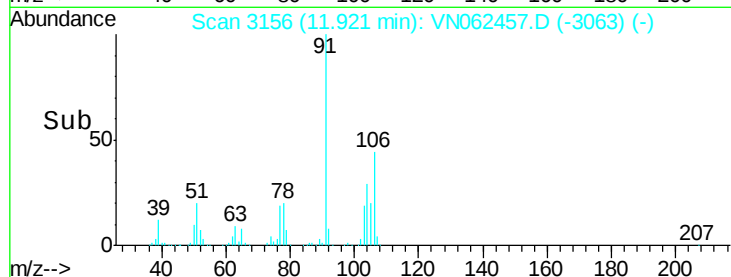
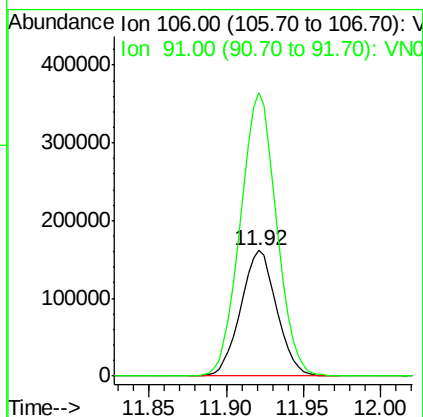
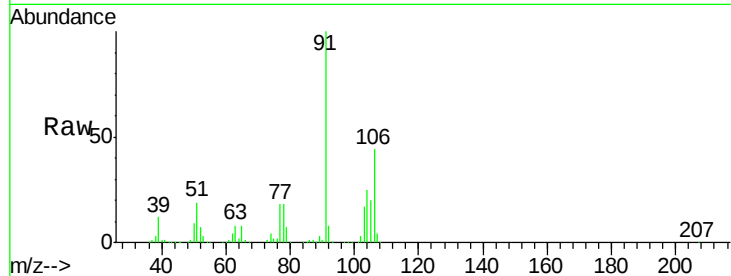




#69
o-Xylene
Concen: 58.573 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

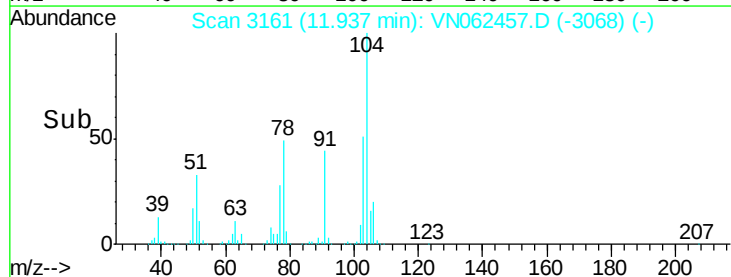
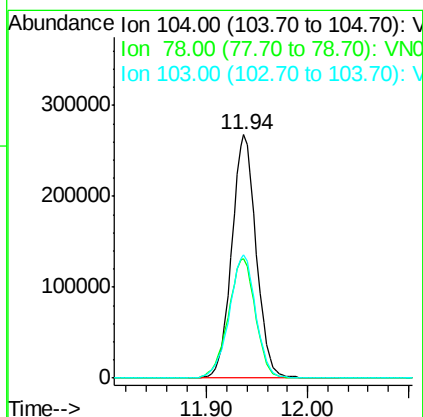
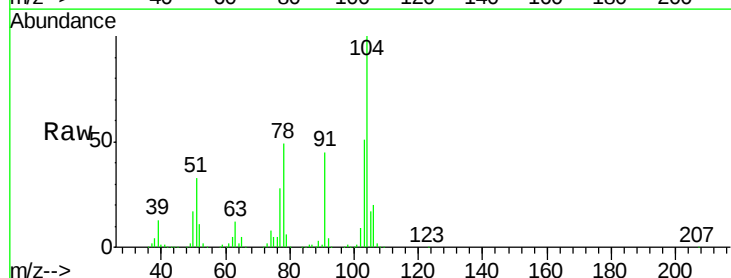
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

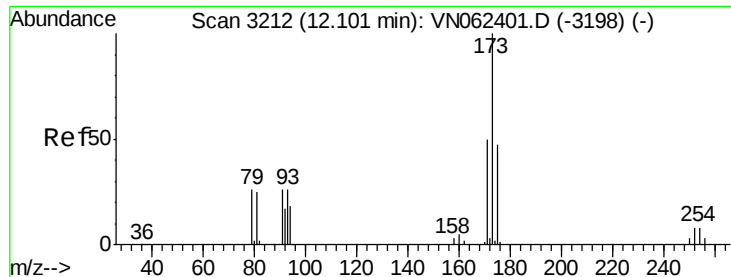
Tot Ion:106 Resp: 261316
Ion Ratio Lower Upper
106 100
91 227.1 113.8 341.4



#70
Styrene
Concen: 61.143 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion:104 Resp: 450831
Ion Ratio Lower Upper
104 100
78 54.8 44.2 66.4
103 55.0 44.4 66.6





#71

Bromoform

Concen: 58.940 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

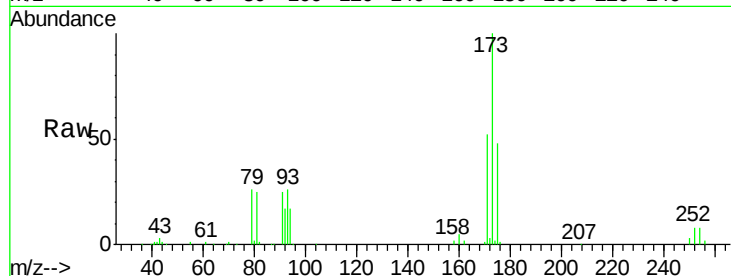
Tot Ion:173 Resp: 109872

Ion Ratio Lower Upper

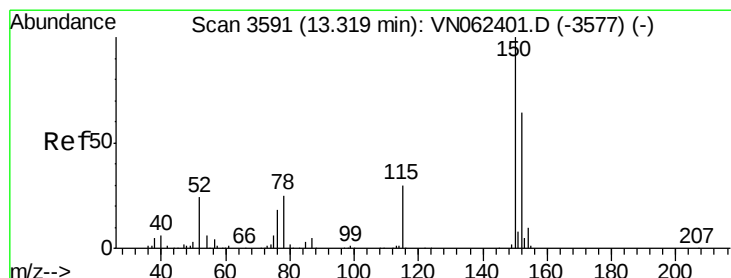
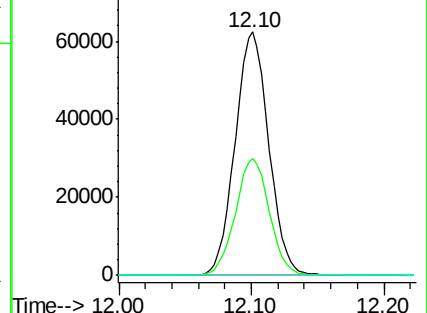
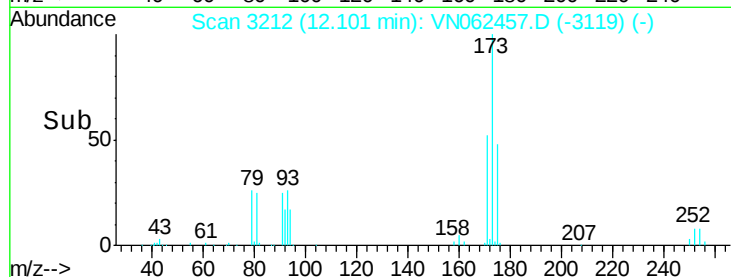
173 100

175 48.2 23.7 71.1

254 0.0 0.0 0.0



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# 3591

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

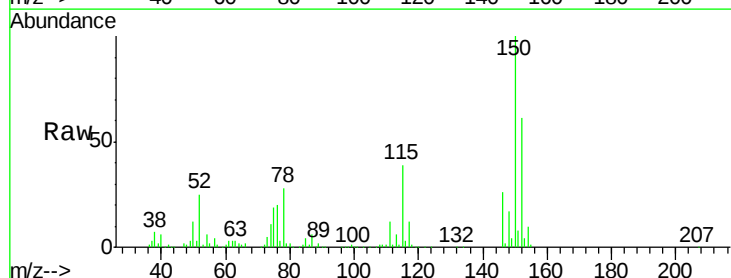
Tgt Ion:152 Resp: 164020

Ion Ratio Lower Upper

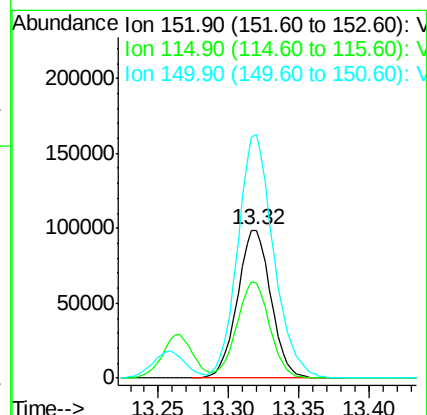
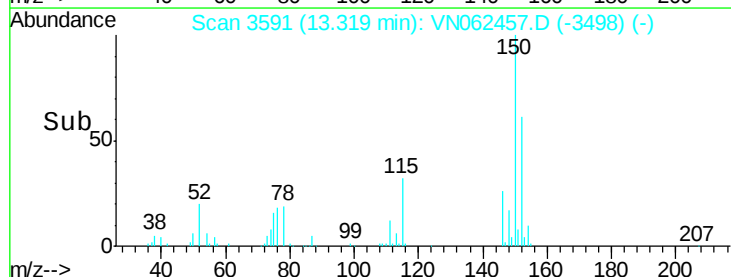
152 100

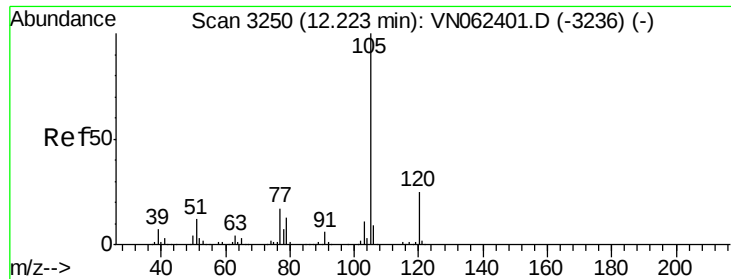
115 64.2 31.4 94.2

150 176.0 0.0 347.4



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: 56.112 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

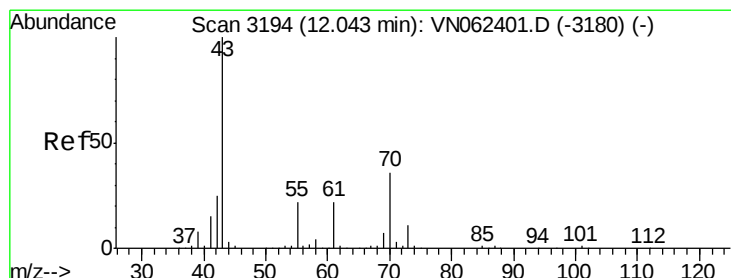
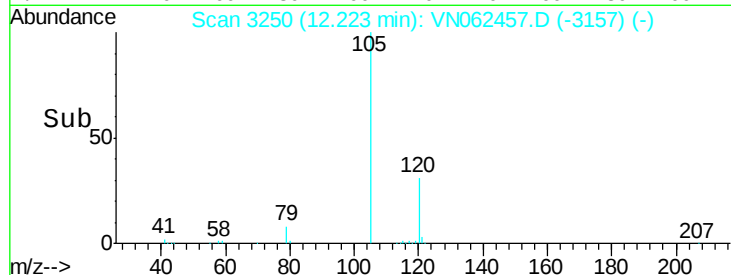
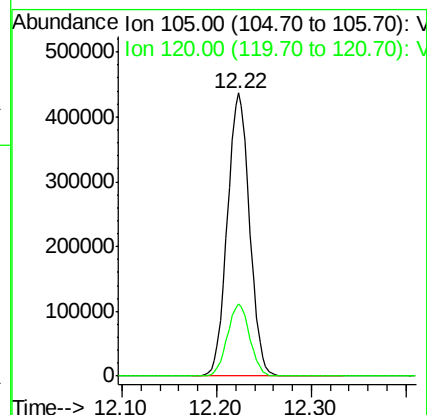
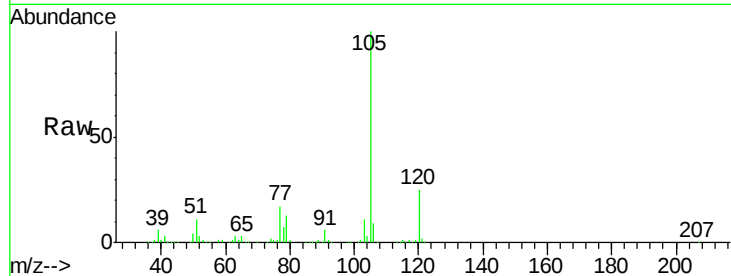
VSTDCCC050

Tot Ion:105 Resp: 712191

Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.1



#74

N-ethyl acetate

Concen: 57.003 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Tgt Ion: 43 Resp: 352145

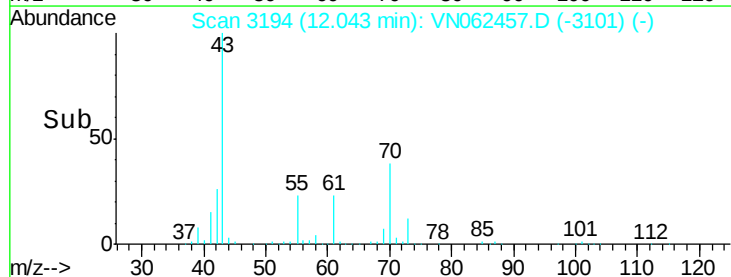
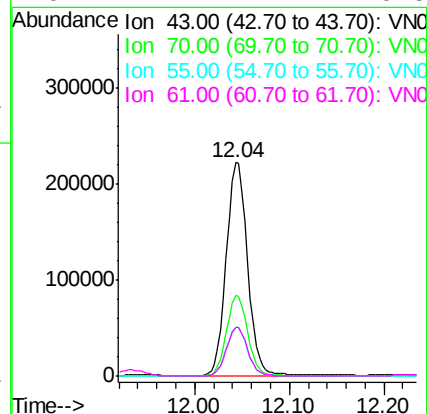
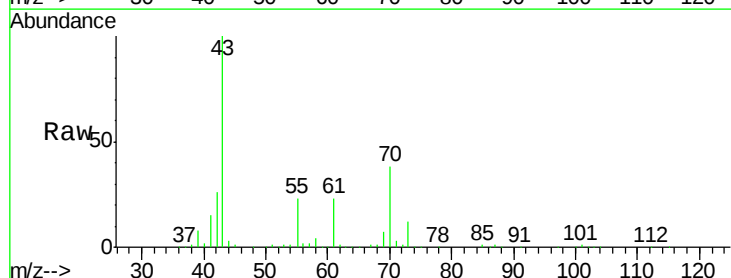
Ion Ratio Lower Upper

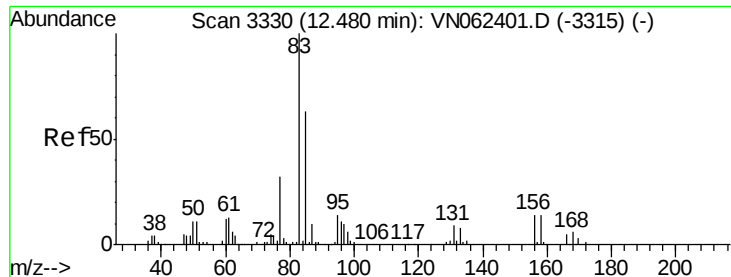
43 100

70 37.3 30.0 45.0

55 22.9 18.2 27.4

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.565 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

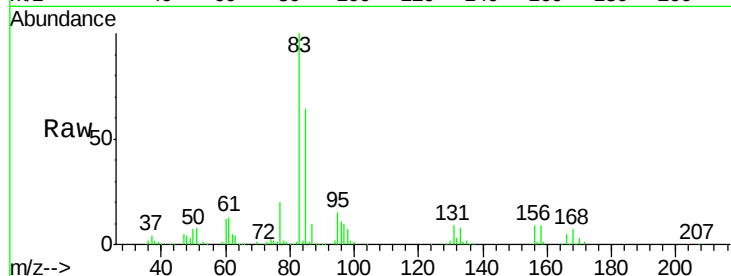
Tot Ion: 83 Resp: 228591

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

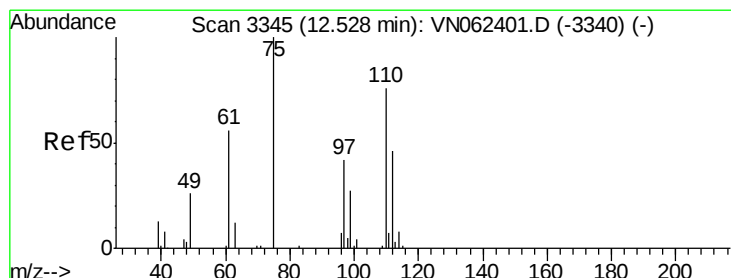
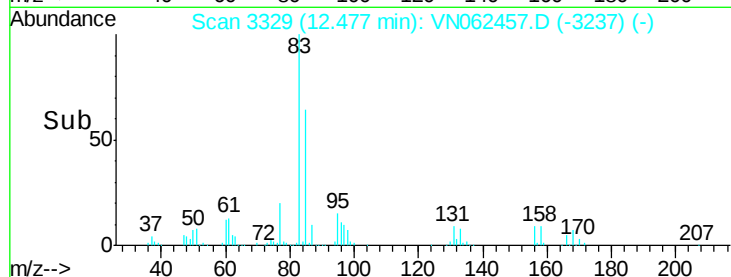
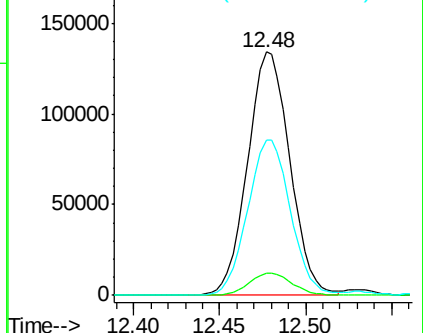
85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 75.048 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062457.D

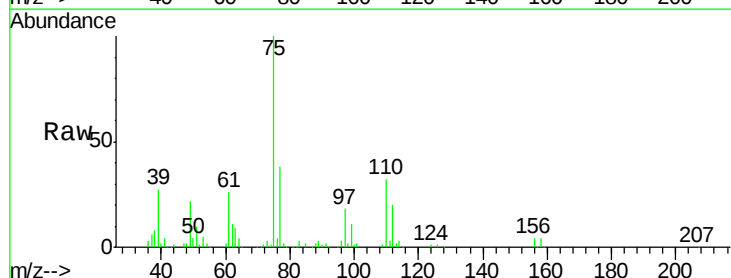
Acq: 9 Jul 2020 15:26

Tgt Ion: 75 Resp: 302032

Ion Ratio Lower Upper

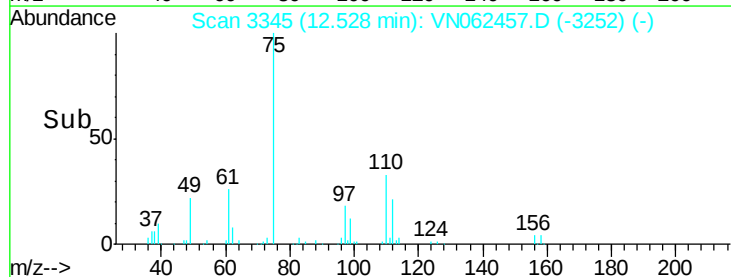
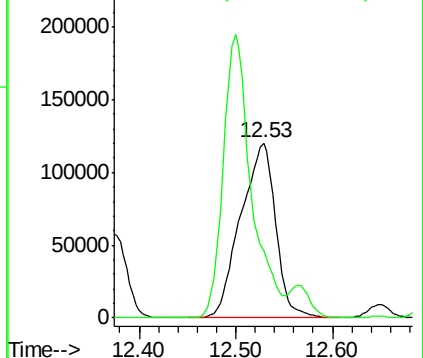
75 100

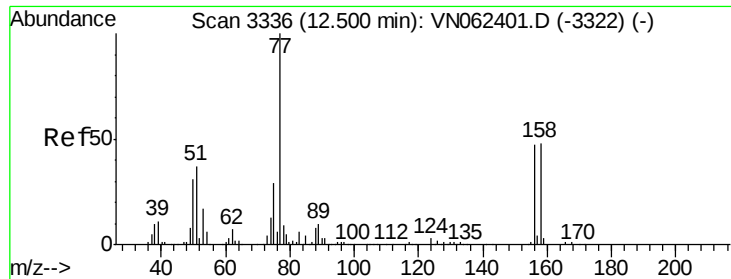
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)

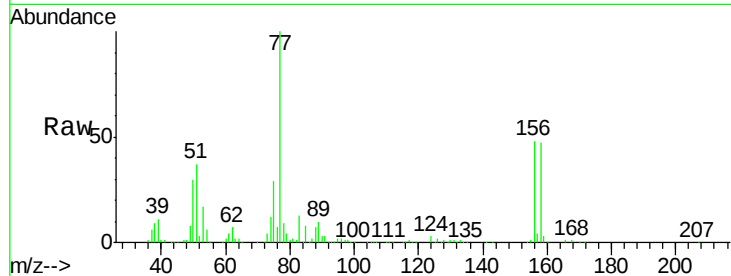




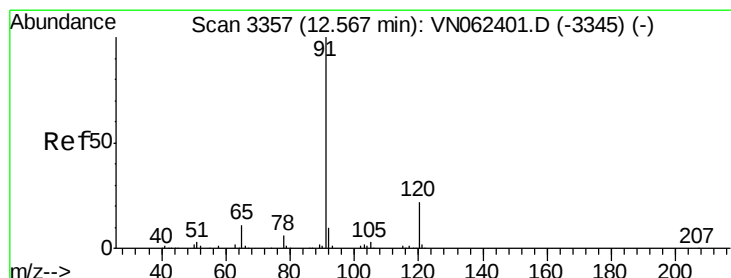
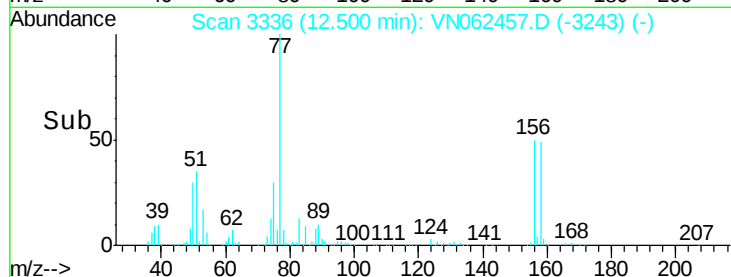
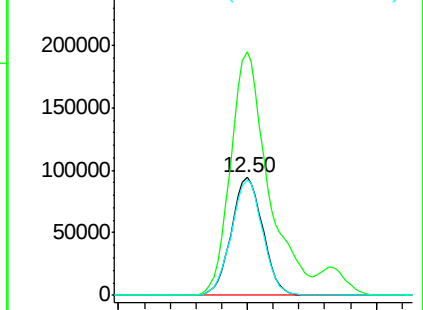
#77
Bromobenzene
Concen: 55.667 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:156 Resp: 160625
Ion Ratio Lower Upper
156 100
77 246.0 126.4 379.3
158 97.3 49.8 149.4

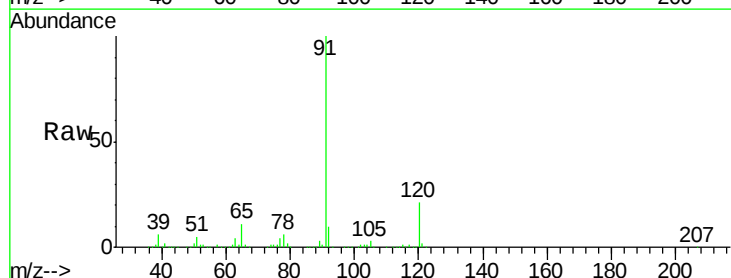


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

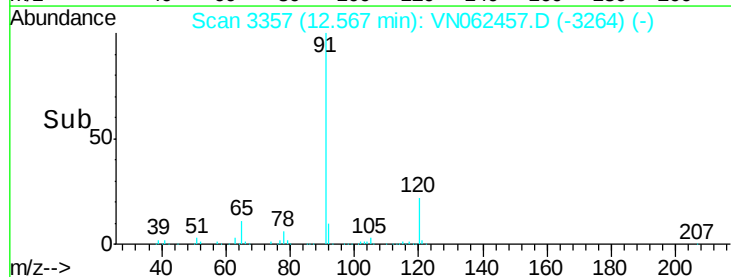
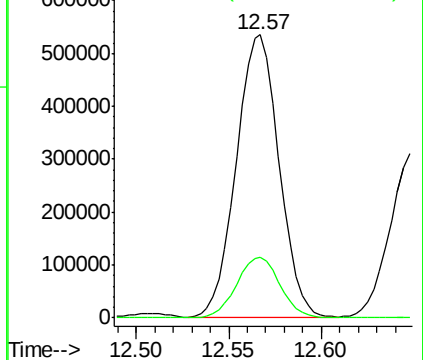


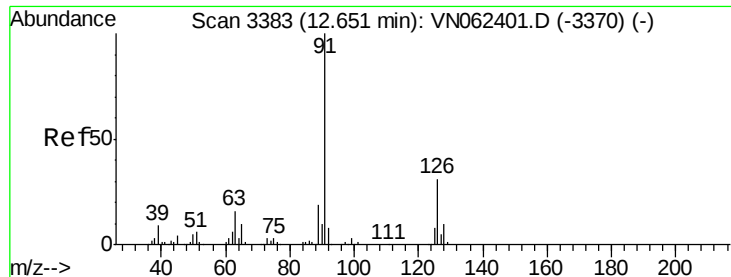
#78
n-propylbenzene
Concen: 57.350 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion: 91 Resp: 850260
Ion Ratio Lower Upper
91 100
120 21.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.991 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

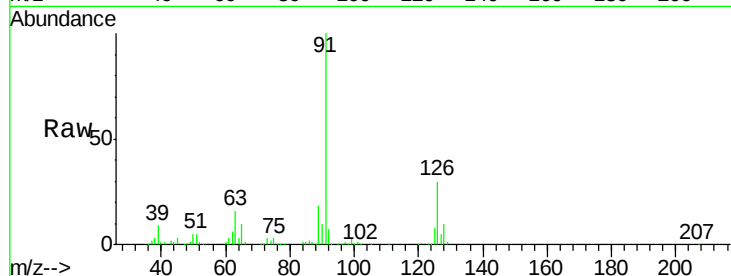
VSTDCCC050

Tot Ion: 91 Resp: 503816

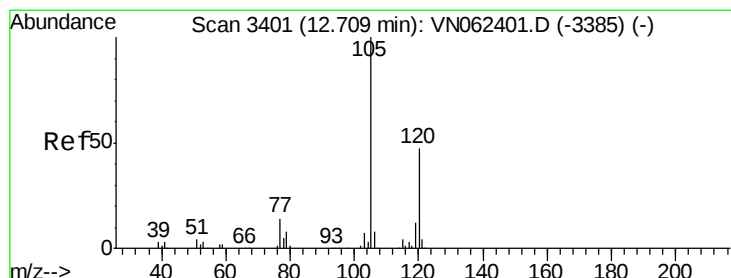
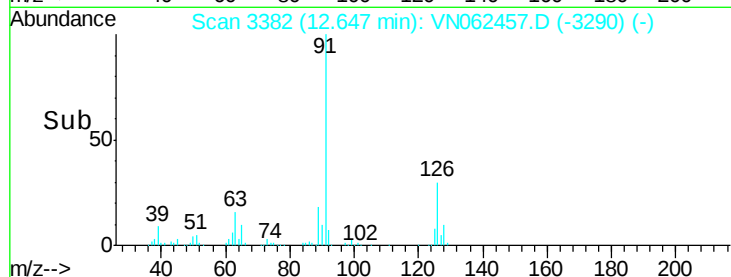
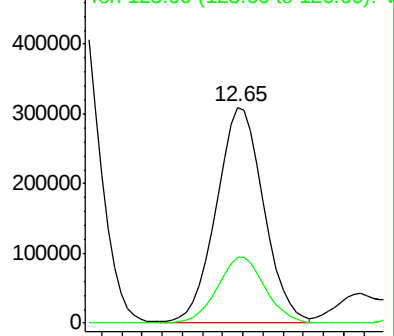
Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.879 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062457.D

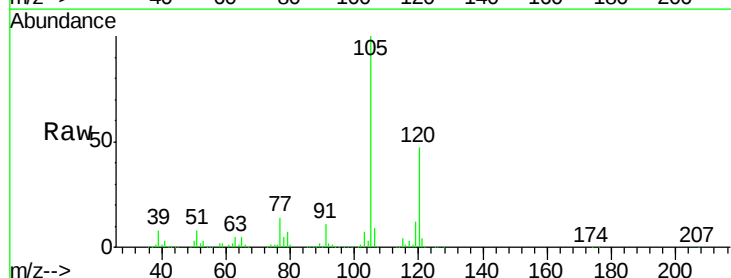
Acq: 9 Jul 2020 15:26

Tgt Ion: 105 Resp: 602222

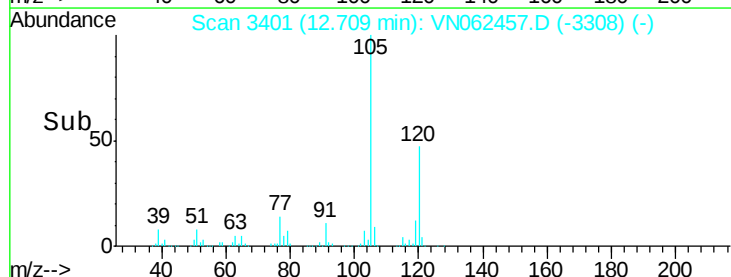
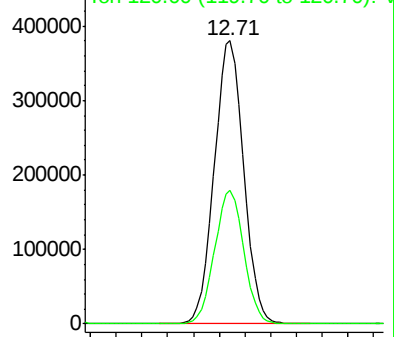
Ion Ratio Lower Upper

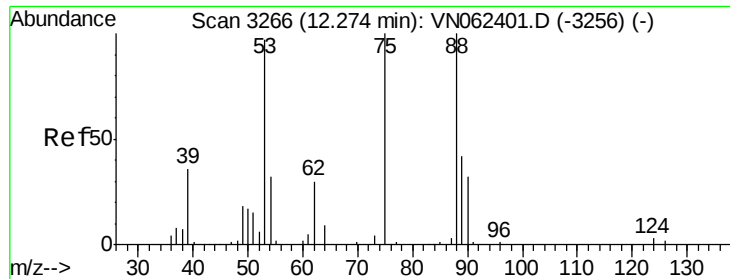
105 100

120 46.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.490 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

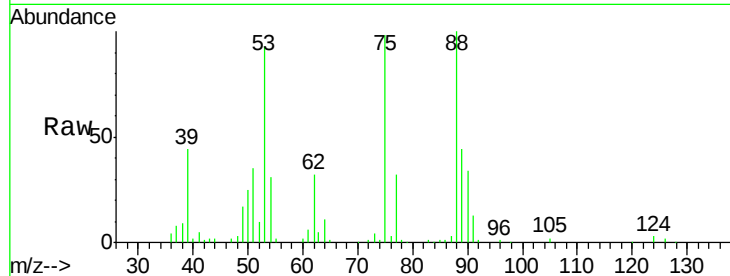
Tot Ion: 75 Resp: 77420

Ion Ratio Lower Upper

75 100

53 98.4 79.2 118.8

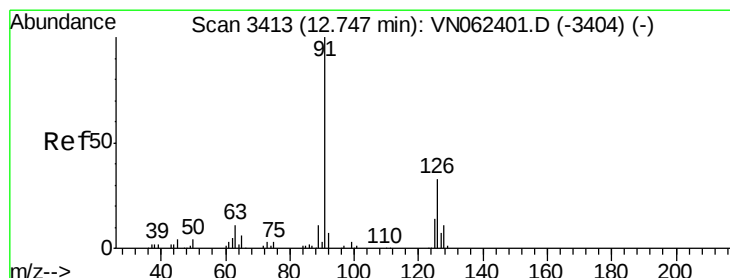
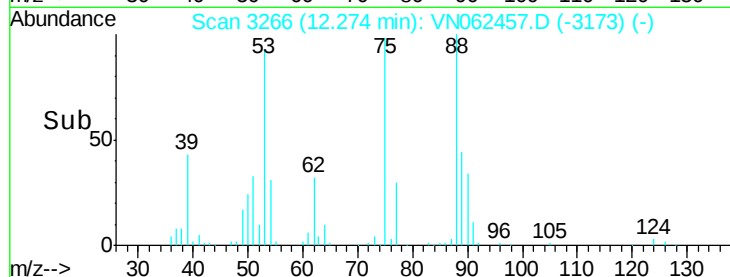
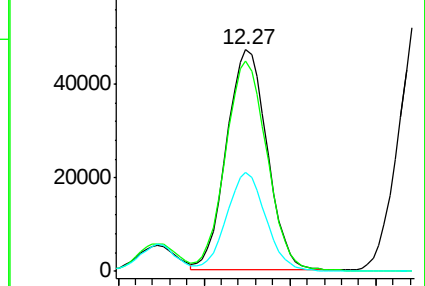
89 43.7 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN062457.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062457.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062457.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 58.111 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062457.D

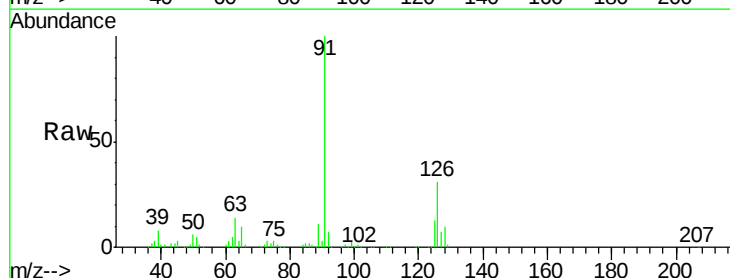
Acq: 9 Jul 2020 15:26

Tgt Ion: 91 Resp: 530853

Ion Ratio Lower Upper

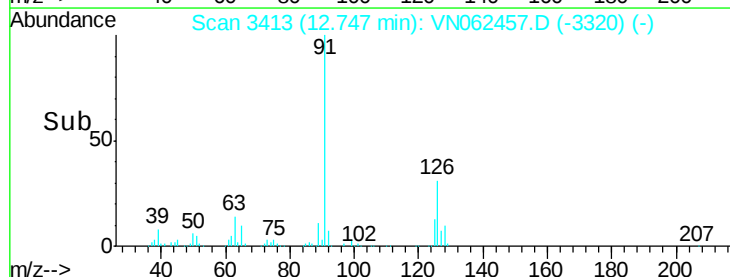
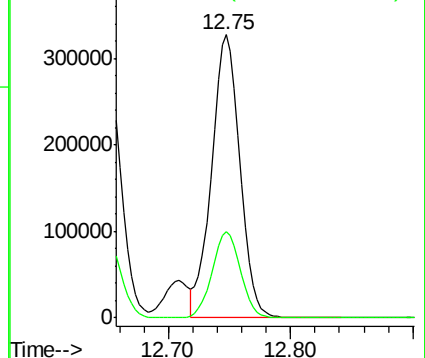
91 100

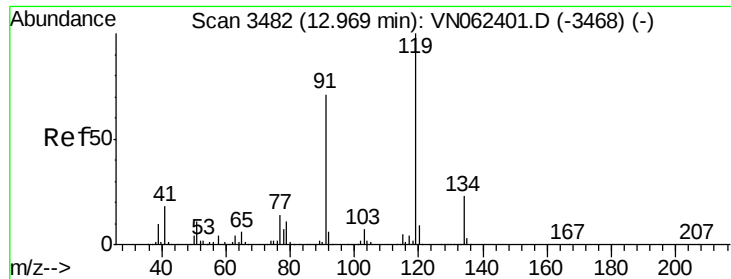
126 30.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062457.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062457.D (-3320) (-)

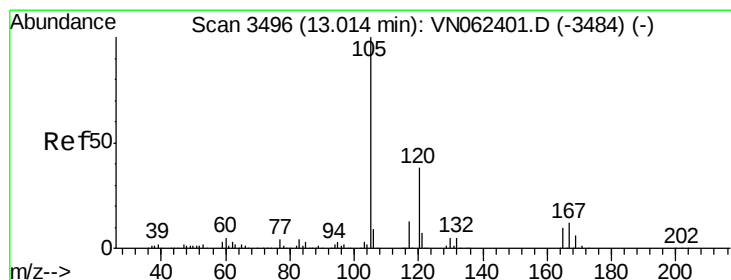
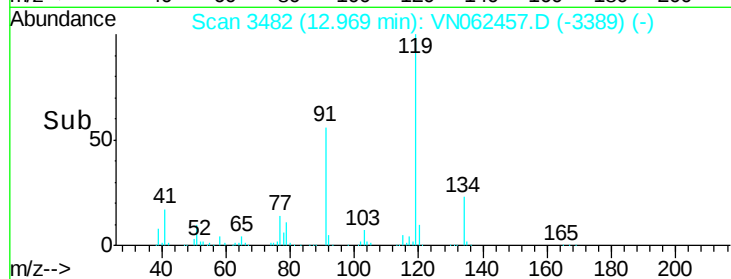
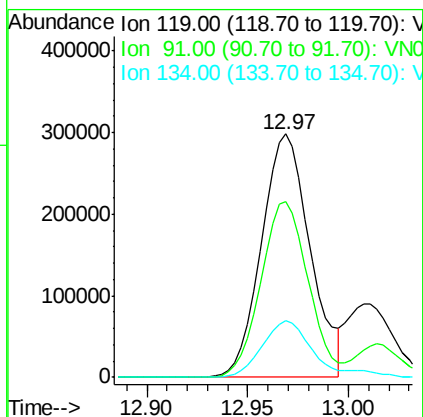
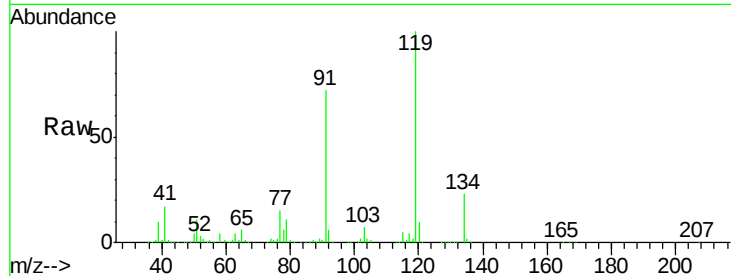




#83
tert-Butylbenzene
Concen: 56.793 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

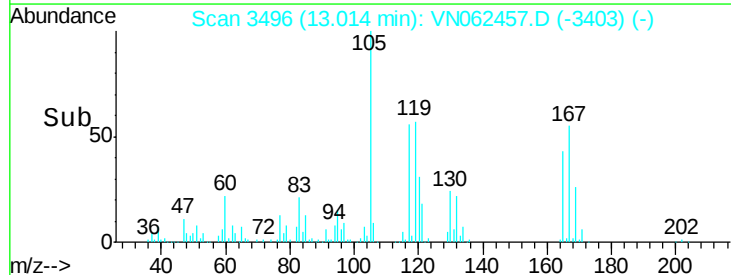
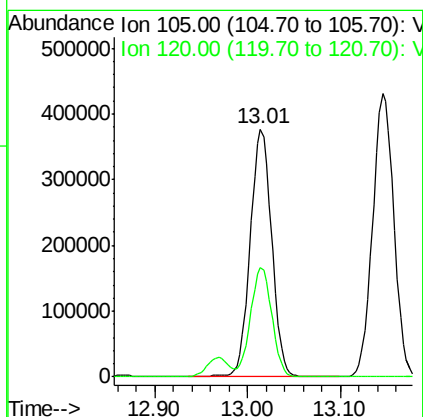
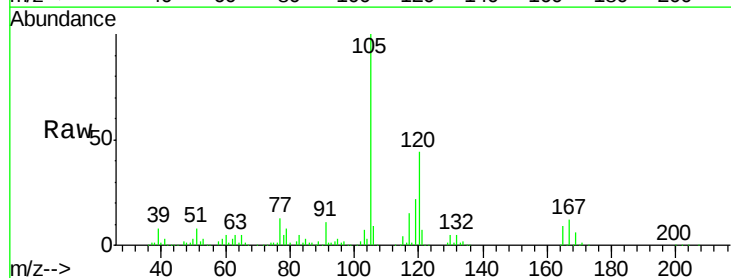
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

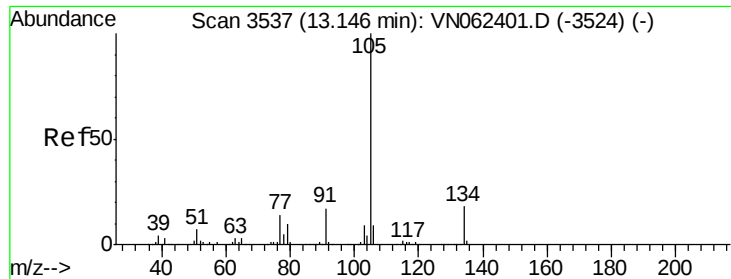
Tot Ion:119 Resp: 501469
Ion Ratio Lower Upper
119 100
91 70.2 34.8 104.3
134 24.9 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 58.764 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062457.D
Acq: 9 Jul 2020 15:26

Tgt Ion:105 Resp: 607744
Ion Ratio Lower Upper
105 100
120 43.7 21.6 64.8





#85

sec-Butylbenzene

Concen: 58.412 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

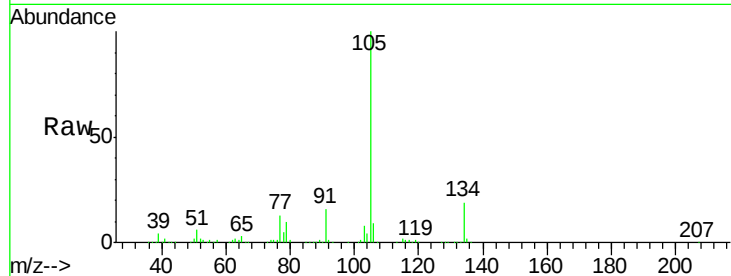
VSTDCCC050

Tot Ion:105 Resp: 683448

Ion Ratio Lower Upper

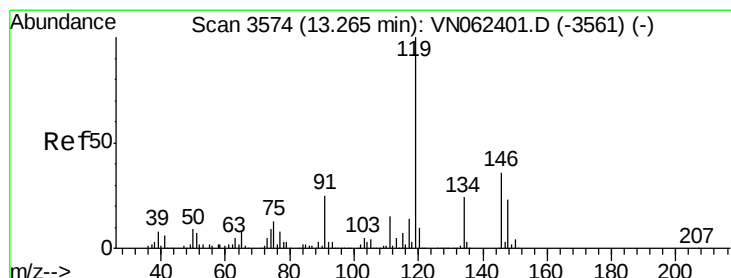
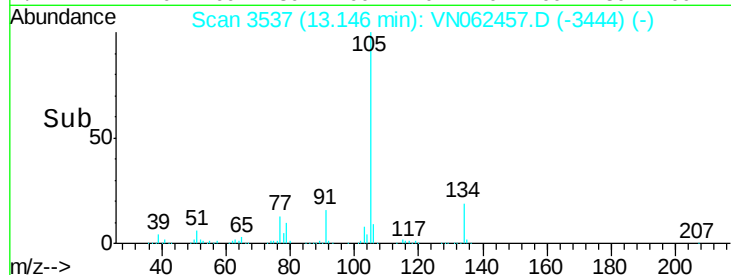
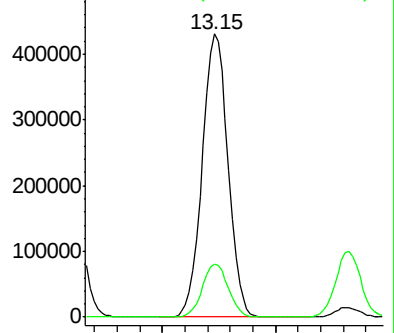
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 60.022 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

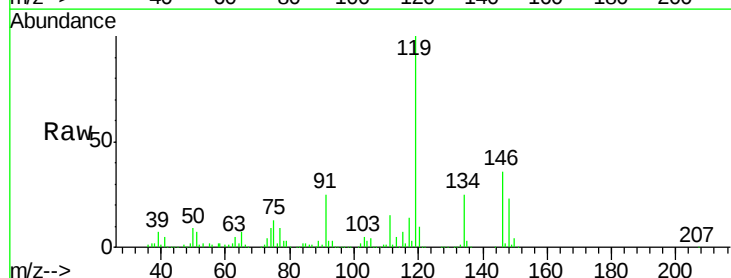
Tgt Ion:119 Resp: 606131

Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

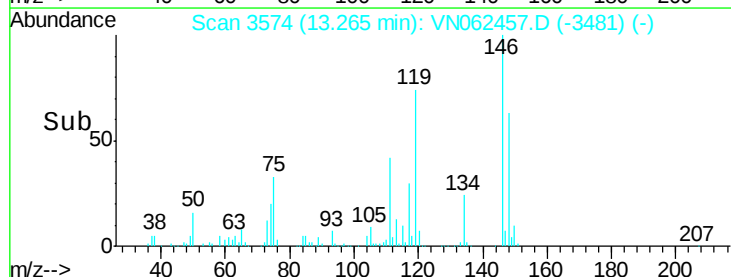
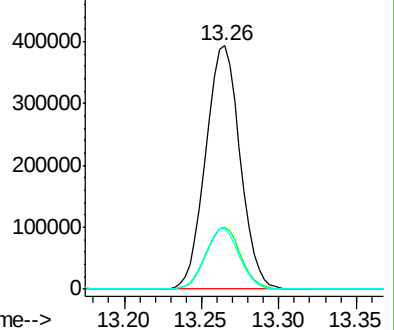
91 24.7 12.4 37.4

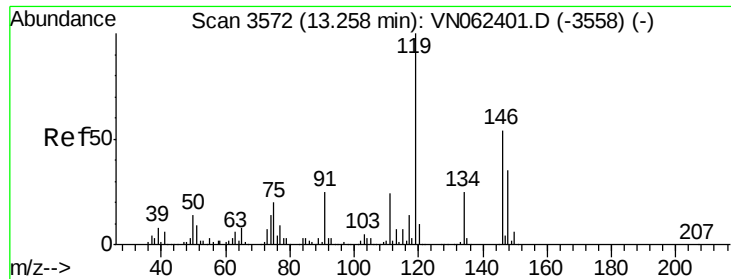


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

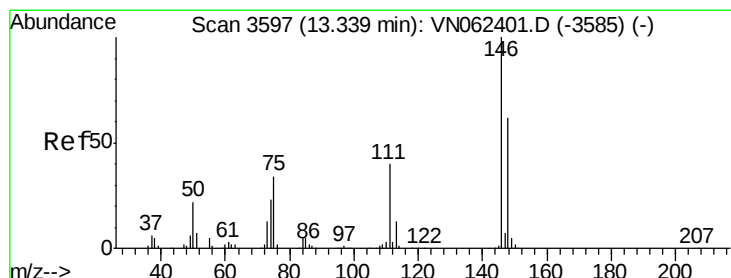
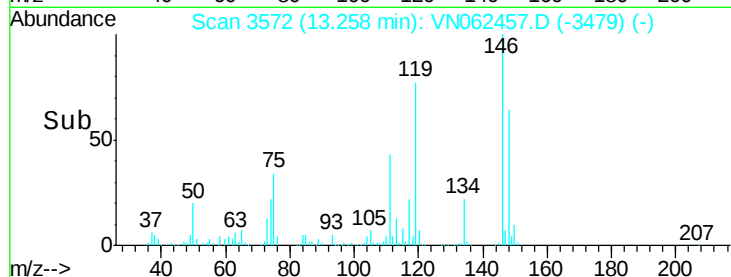
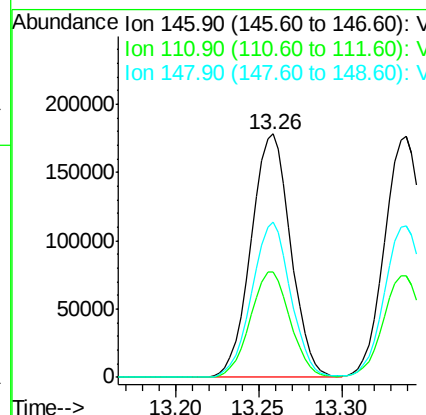
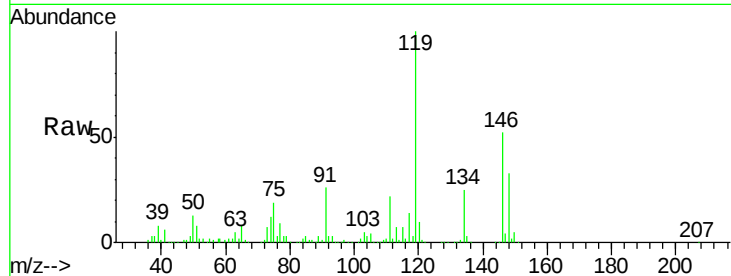




#87
 1,3-Dichlorobenzene
 Concen: 59.503 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

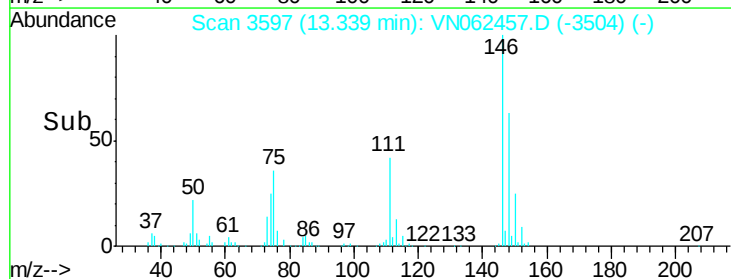
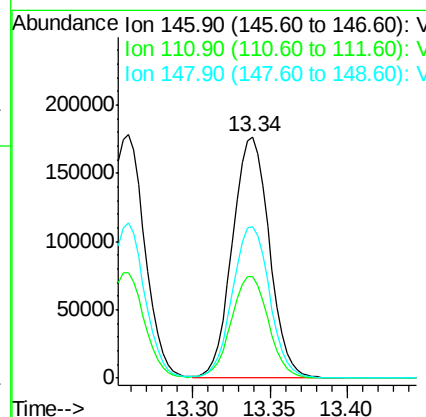
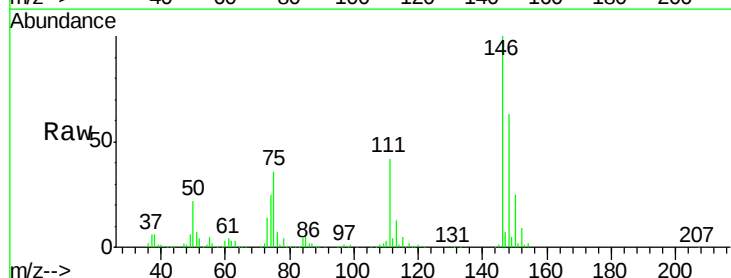
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

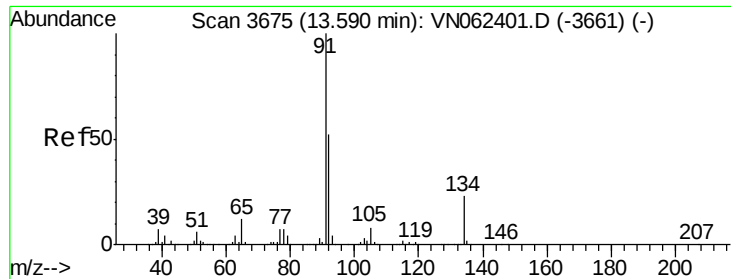
Tot Ion:146 Resp: 296195
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.6 64.6
 148 62.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 56.797 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion:146 Resp: 290911
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.1
 148 63.9 31.4 94.2





#89

n-Butylbenzene

Concen: 61.883 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

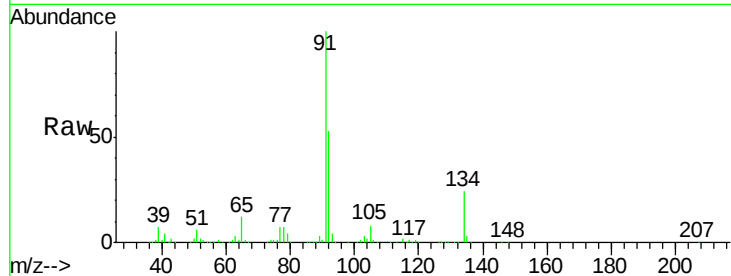
Tot Ion: 91 Resp: 551788

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.7

134 23.4 11.6 34.8

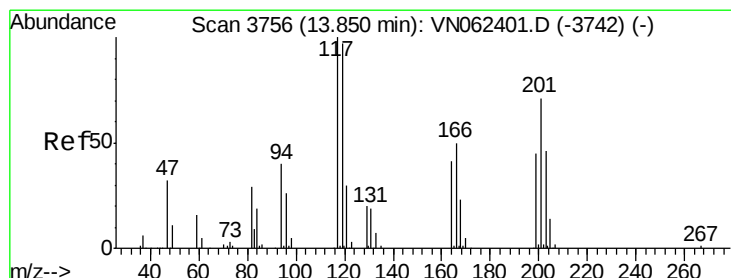
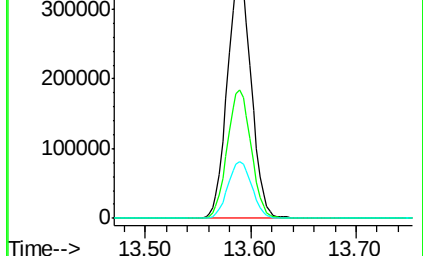
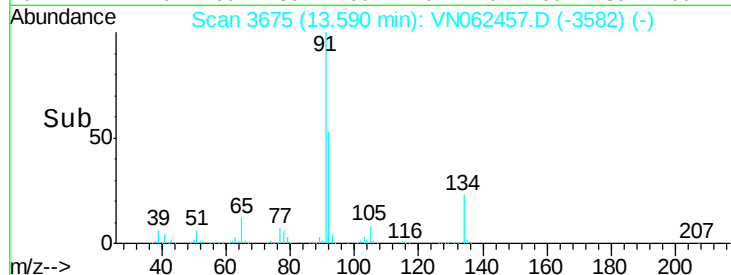


Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)

Time-->



#90

Hexachloroethane

Concen: 55.031 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062457.D

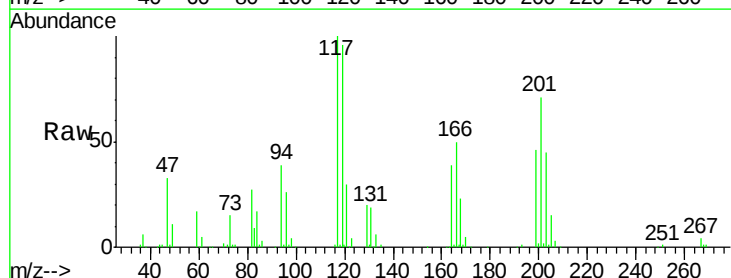
Acq: 9 Jul 2020 15:26

Tgt Ion: 117 Resp: 109320

Ion Ratio Lower Upper

117 100

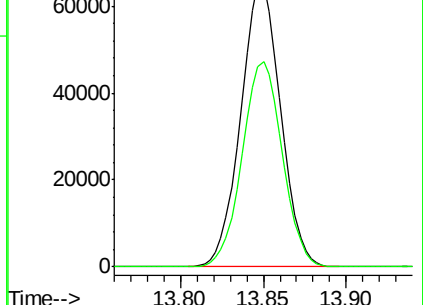
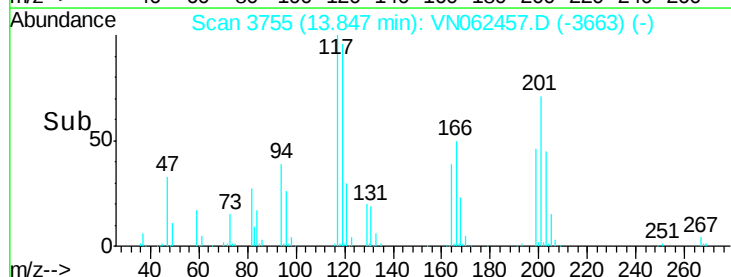
201 72.7 35.4 106.2

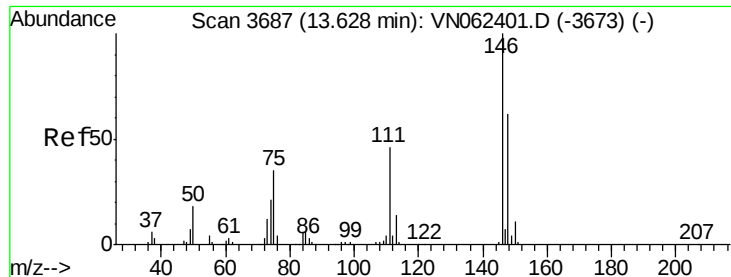


Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)

Time-->

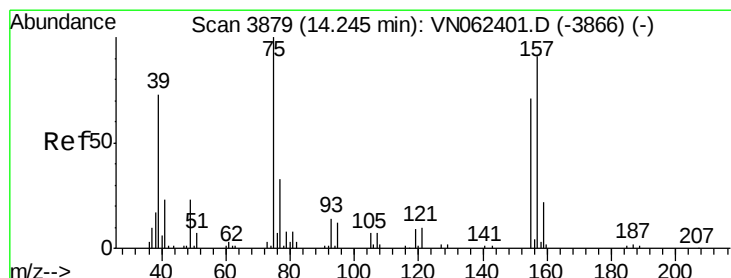
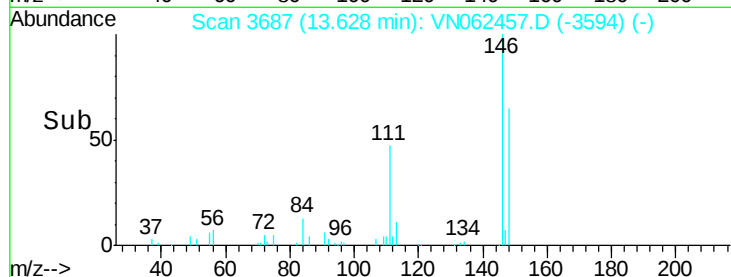
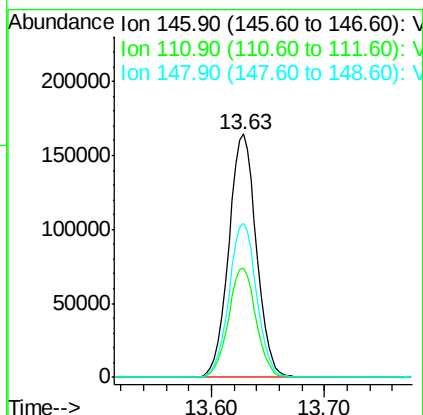
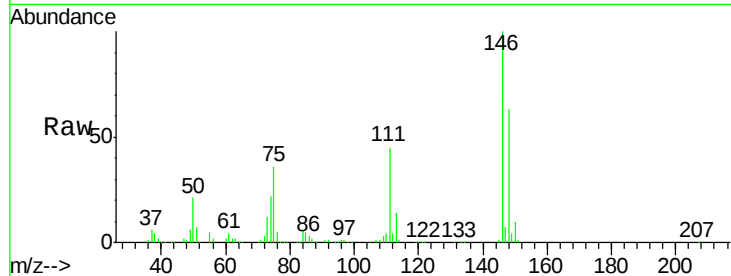




#91
 1,2-Dichlorobenzene
 Concen: 58.041 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

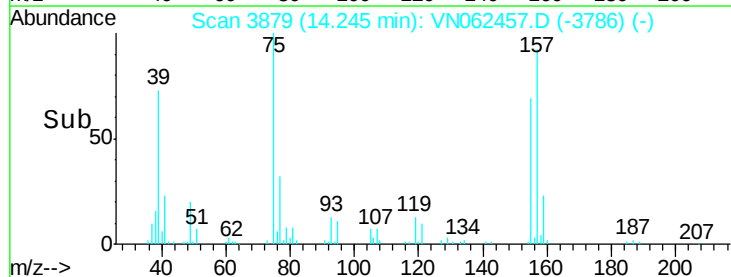
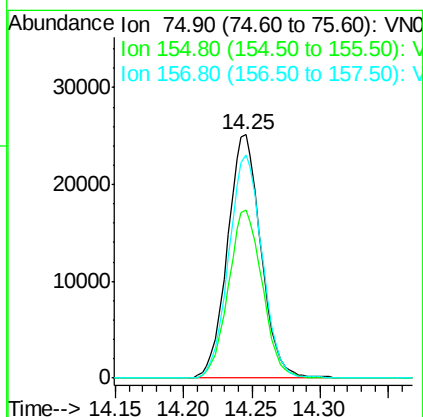
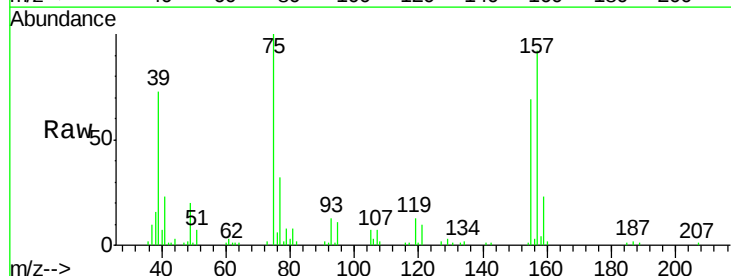
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

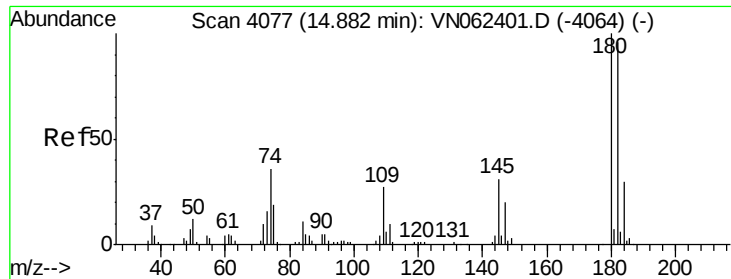
Tot Ion:146 Resp: 279346
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.5 67.5
 148 63.3 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.034 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion: 75 Resp: 42860
 Ion Ratio Lower Upper
 75 100
 155 69.6 35.2 105.6
 157 91.1 45.8 137.3

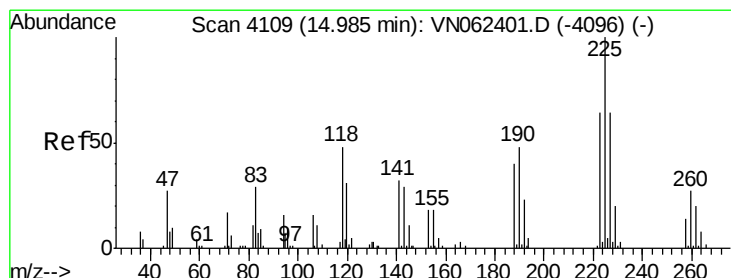
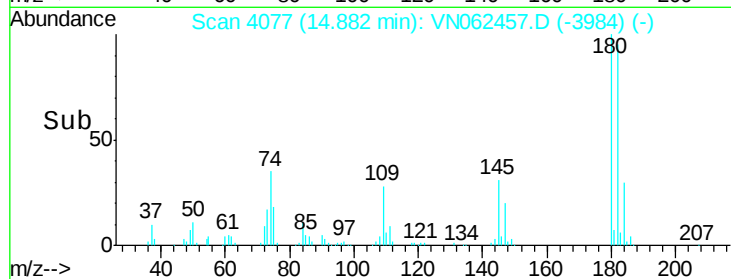
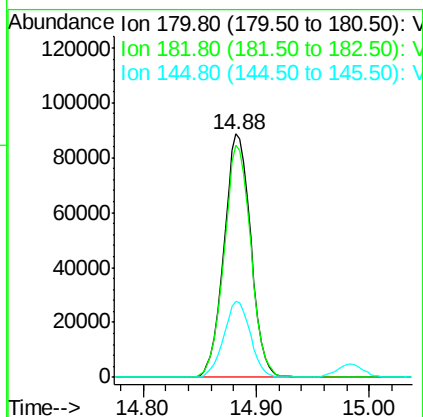
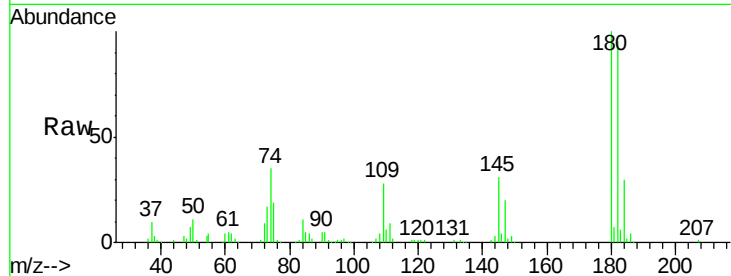




#93
 1,2,4-Trichlorobenzene
 Concen: 54.912 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

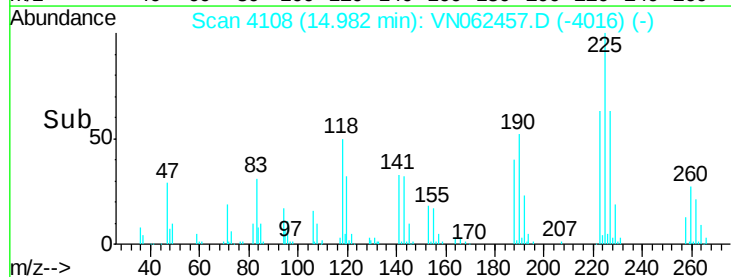
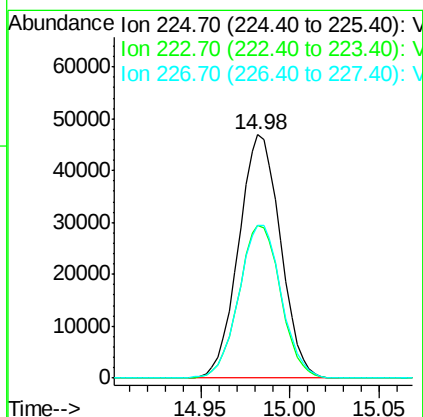
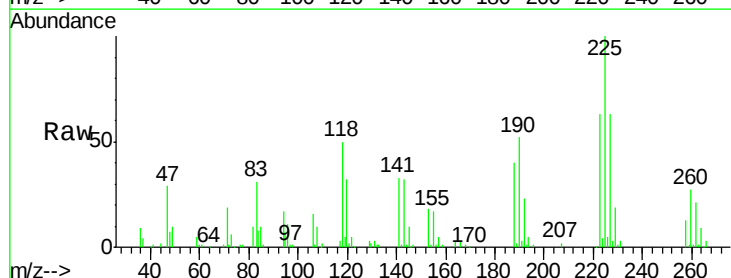
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 145927
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.4 145.2
 145 31.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 59.884 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062457.D
 Acq: 9 Jul 2020 15:26

Tgt Ion:225 Resp: 76525
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.3 96.8
 227 63.8 31.9 95.7





#95

Naphthalene

Concen: 59.620 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

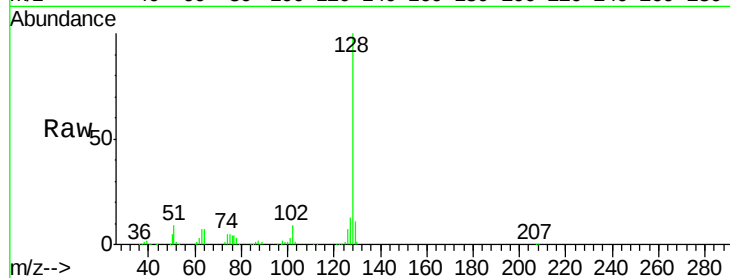
Tot Ion:128 Resp: 383190

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

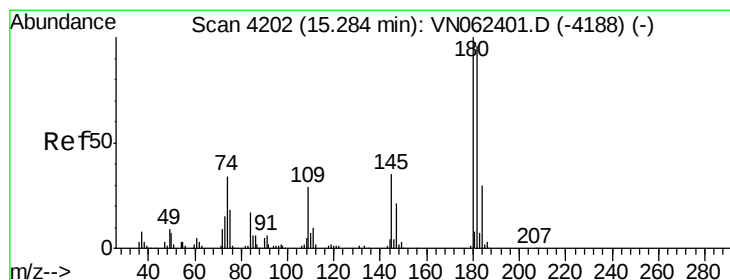
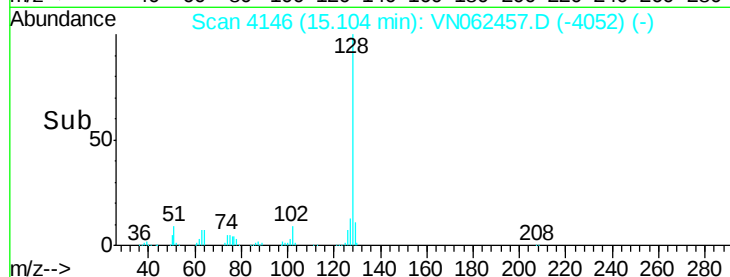
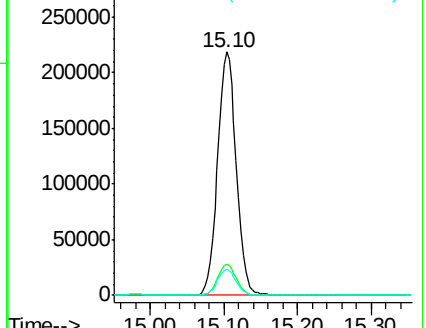
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.691 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

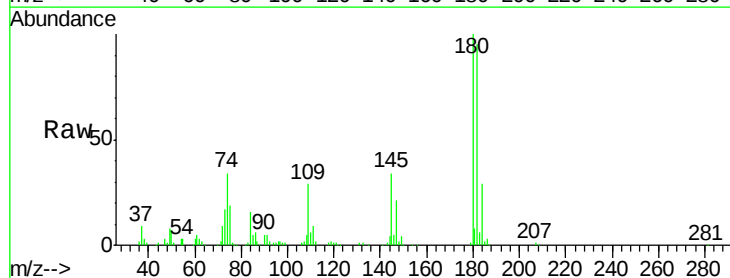
Tgt Ion:180 Resp: 142571

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.4

145 33.6 17.0 50.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

