

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063001.D
 Acq On : 19 Aug 2020 9:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 19 13:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	178584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124211	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	109919	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.55	113	90230	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	10.06	98	350446	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.38	95	125901	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	123160	52.771	ug/l	97
3) Chloromethane	2.03	50	131433	53.676	ug/l	98
4) Vinyl Chloride	2.16	62	125801	53.125	ug/l	98
5) Bromomethane	2.53	94	80445	57.234	ug/l	98
6) Chloroethane	2.67	64	76370	54.623	ug/l	99
7) Trichlorofluoromethane	2.98	101	156110	52.863	ug/l	100
8) Diethyl Ether	3.37	74	52415	50.172	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	79437	49.920	ug/l	100
10) Methyl Iodide	3.91	142	107351	53.223	ug/l	100
11) Tert butyl alcohol	4.73	59	71273	237.735	ug/l	100
12) 1,1-Dichloroethene	3.70	96	72617	47.904	ug/l	99
13) Acrolein	3.56	56	15457	164.577	ug/l	99
14) Allyl chloride	4.27	41	130855	48.958	ug/l	98
15) Acrylonitrile	4.93	53	224137	254.363	ug/l	100
16) Acetone	3.78	43	204796	311.248	ug/l	99
17) Carbon Disulfide	4.01	76	198051	49.887	ug/l	98
18) Methyl Acetate	4.28	43	98878	47.009	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	284705	53.855	ug/l	99
20) Methylene Chloride	4.50	84	94477	50.646	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	80687	50.862	ug/l	98
22) Diisopropyl ether	5.90	45	319709	52.712	ug/l	98
23) Vinyl Acetate	5.84	43	1028424	251.270	ug/l	98
24) 1,1-Dichloroethane	5.80	63	168488	49.712	ug/l	98
25) 2-Butanone	6.78	43	303425	270.027	ug/l	99
26) 2,2-Dichloropropane	6.77	77	142721	53.544	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	102403	51.500	ug/l	99
28) Bromochloromethane	7.15	49	87242	49.195	ug/l	98
29) Tetrahydrofuran	7.17	42	192883	265.963	ug/l	99
30) Chloroform	7.33	83	176523	51.714	ug/l	99
31) Cyclohexane	7.61	56	164134	52.616	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	143576	51.521	ug/l	98
36) 1,1-Dichloropropene	7.75	75	120803	53.011	ug/l	99
37) Ethyl Acetate	6.88	43	109645	51.349	ug/l	99
38) Carbon Tetrachloride	7.73	117	122652	53.312	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	159832	51.890	ug/l	98
40) Benzene	8.00	78	386059	53.414	ug/l	99
41) Methacrylonitrile	7.12	41	51092	50.220	ug/l #	91
42) 1,2-Dichloroethane	8.09	62	132222	54.483	ug/l	99
43) Isopropyl Acetate	8.12	43	188054	53.160	ug/l #	92
44) Trichloroethene	8.80	130	93981	52.275	ug/l	97
45) 1,2-Dichloropropane	9.08	63	113245	54.205	ug/l	98
46) Dibromomethane	9.17	93	66573	55.159	ug/l	99
47) Bromodichloromethane	9.37	83	144209	54.553	ug/l	99
48) Methyl methacrylate	9.17	41	91905	54.909	ug/l	99
49) 1,4-Dioxane	9.17	88	36476	990.481	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	612980	274.139	ug/l	100
52) Toluene	10.12	92	243737	55.903	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	154657	56.576	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	169695	56.588	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	101639	54.520	ug/l	99
56) Ethyl methacrylate	10.40	69	145786	50.610	ug/l	98
57) 1,3-Dichloropropane	10.68	76	170817	55.179	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	159110	228.405	ug/l	98
59) 2-Hexanone	10.72	43	434170	278.372	ug/l	100
60) Dibromochloromethane	10.87	129	113796	55.157	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99984	55.816	ug/l	100
64) Tetrachloroethene	10.60	164	85965	52.225	ug/l	99
65) Chlorobenzene	11.41	112	265361	52.764	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	103497	52.909	ug/l	99
67) Ethyl Benzene	11.48	91	472489	55.601	ug/l	99
68) m/p-Xylenes	11.59	106	361882	114.579	ug/l	100
69) o-Xylene	11.92	106	171096	56.413	ug/l	99
70) Styrene	11.94	104	306747	50.928	ug/l	100
71) Bromoform	12.10	173	83817	53.832	ug/l #	100
73) Isopropylbenzene	12.22	105	468862	55.121	ug/l	99
74) N-amyl acetate	12.05	43	170765	56.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	148126	54.104	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	183420	75.970	ug/l #	100
77) Bromobenzene	12.50	156	124653	53.284	ug/l	98
78) n-propylbenzene	12.57	91	555172	57.262	ug/l	100
79) 2-Chlorotoluene	12.65	91	327745	53.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	403871	57.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	48205	54.835	ug/l	98
82) 4-Chlorotoluene	12.75	91	344930	55.548	ug/l	99
83) tert-Butylbenzene	12.97	119	334653	55.142	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	398654	58.197	ug/l	99
85) sec-Butylbenzene	13.15	105	465071	56.702	ug/l	100
86) p-Isopropyltoluene	13.26	119	416232	58.241	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	219918	54.700	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	219438	53.775	ug/l	100
89) n-Butylbenzene	13.59	91	344808	50.855	ug/l	99
90) Hexachloroethane	13.85	117	79854	52.570	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	213352	54.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24317	56.765	ug/l	98

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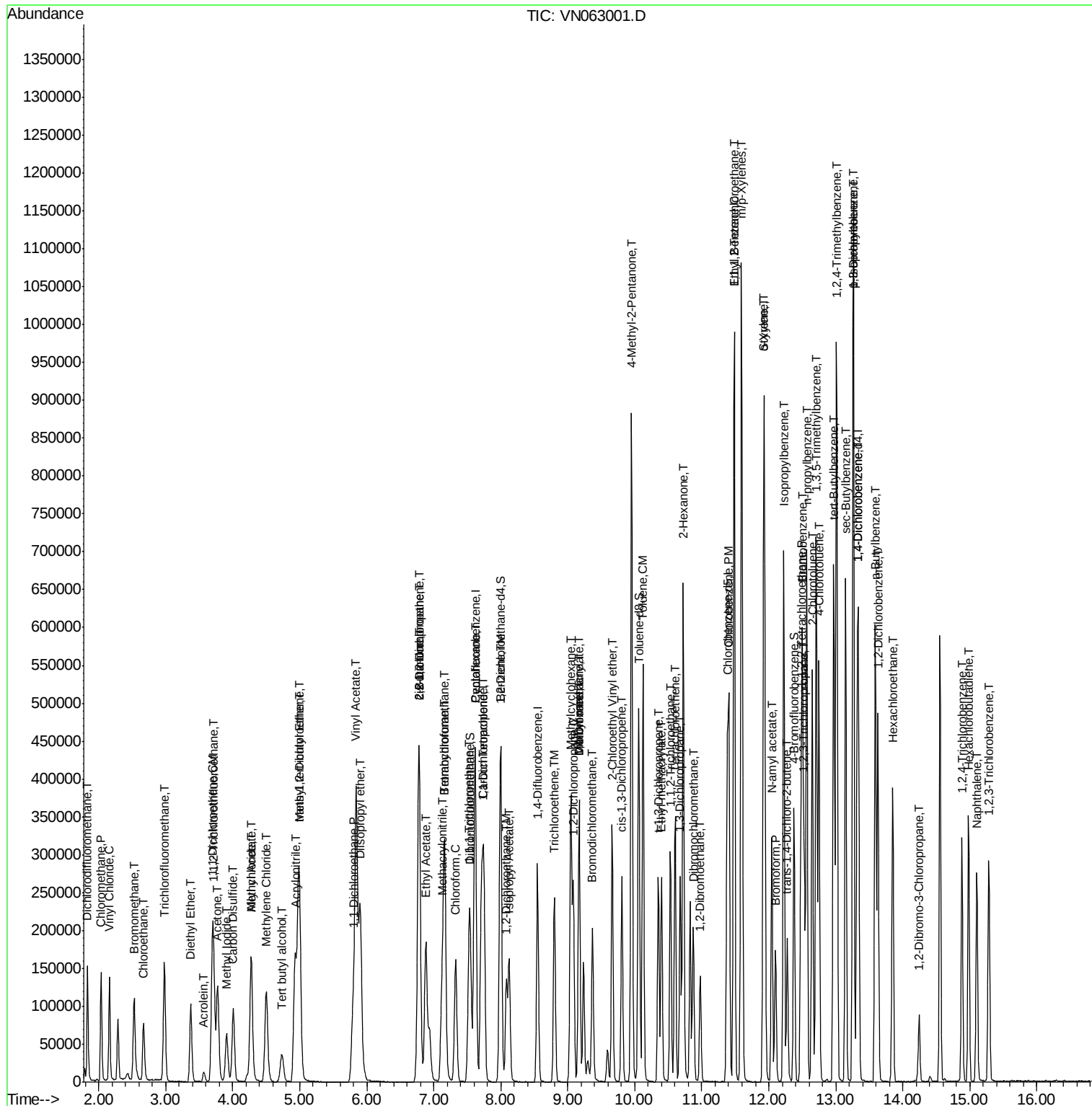
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	110873	51.367	ug/l	99
94) Hexachlorobutadiene	14.98	225	75137	52.358	ug/l	99
95) Naphthalene	15.10	128	243912	49.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	110616	52.226	ug/l	99

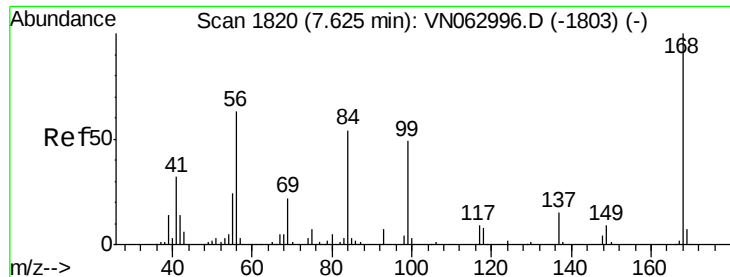
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

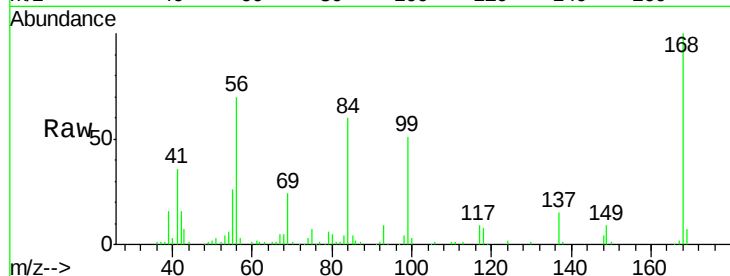
VSTDCCC050

Tgt Ion:168 Resp: 178584

Ion Ratio Lower Upper

168 100

99 51.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

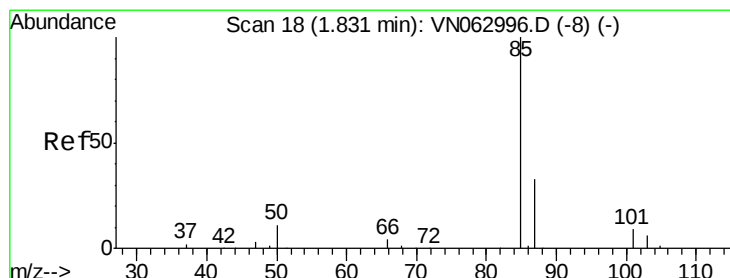
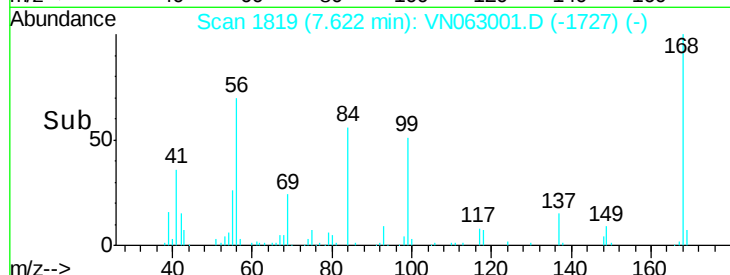
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 52.771 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063001.D

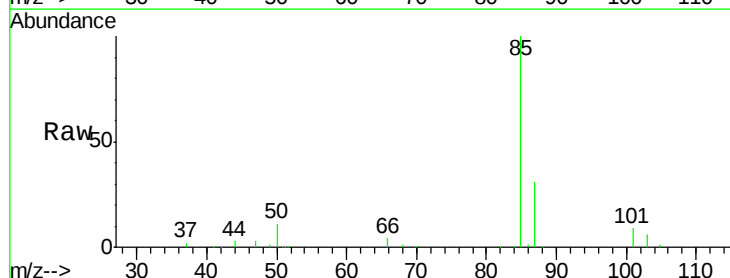
Acq: 19 Aug 2020 9:46

Tgt Ion: 85 Resp: 123160

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

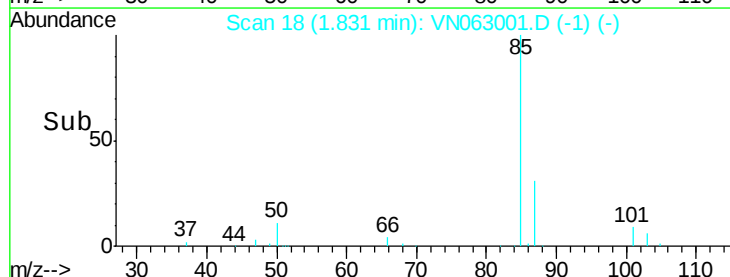
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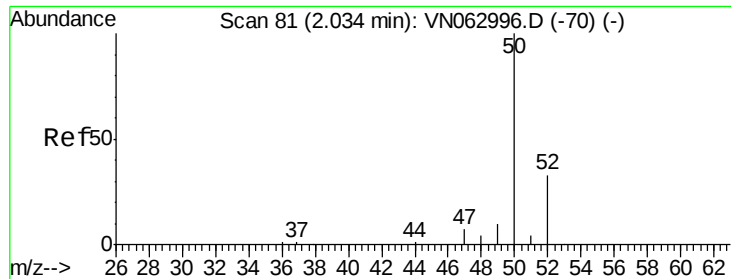
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95

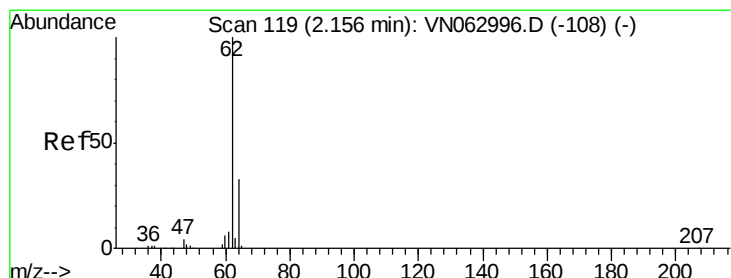
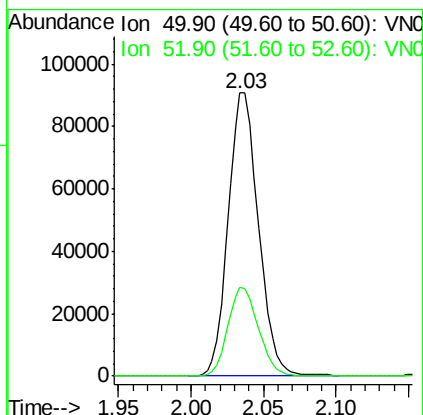
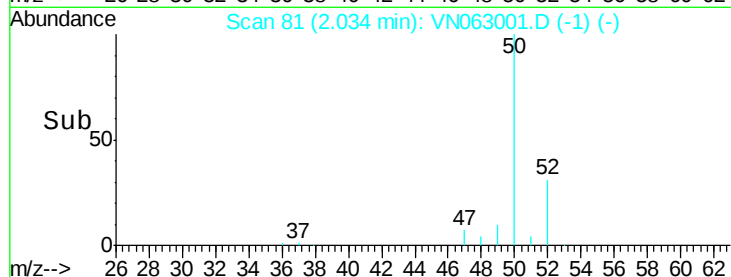
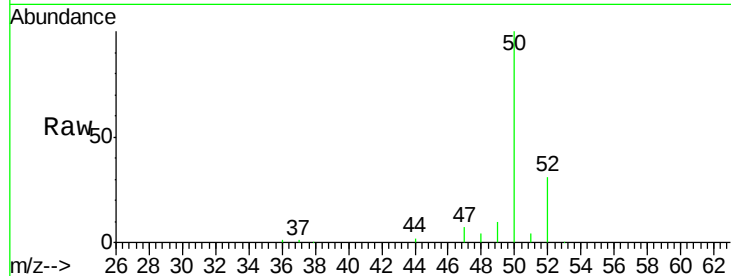




#3
Chloromethane
Concen: 53.676 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

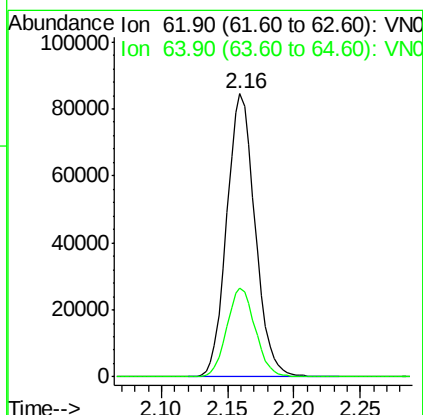
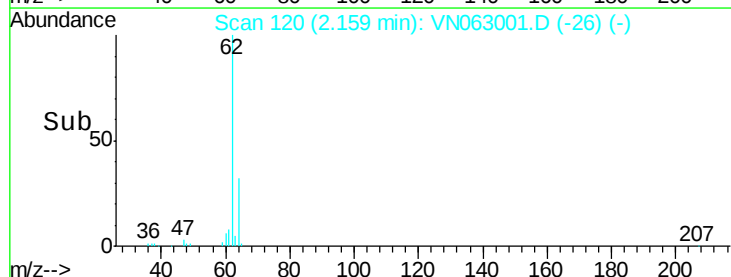
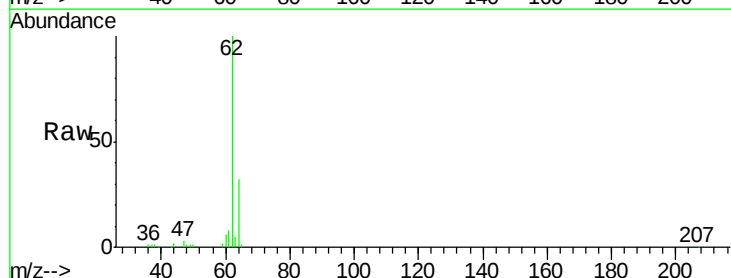
Instrument :
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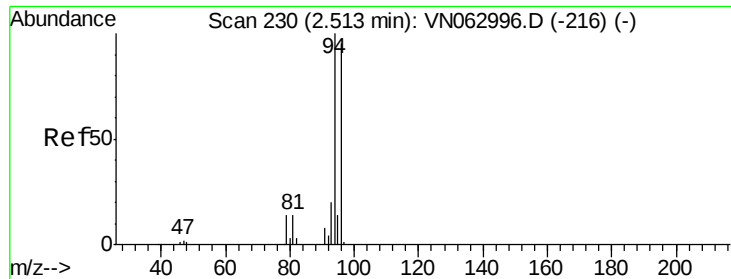
Tgt Ion: 50 Resp: 131433
Ion Ratio Lower Upper
50 100
52 31.3 26.0 39.0



#4
Vinyl Chloride
Concen: 53.125 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 62 Resp: 125801
Ion Ratio Lower Upper
62 100
64 31.6 26.2 39.2





#5

Bromomethane

Concen: 57.234 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.02 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

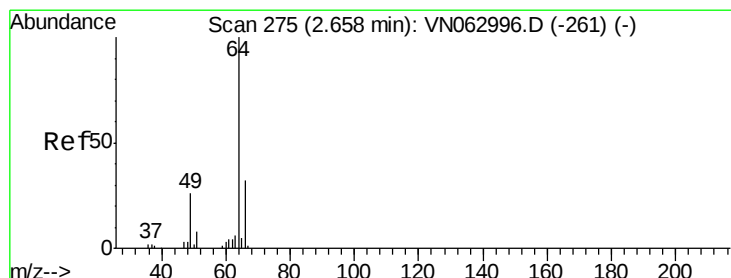
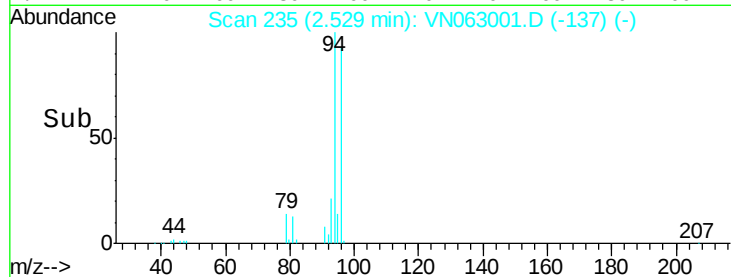
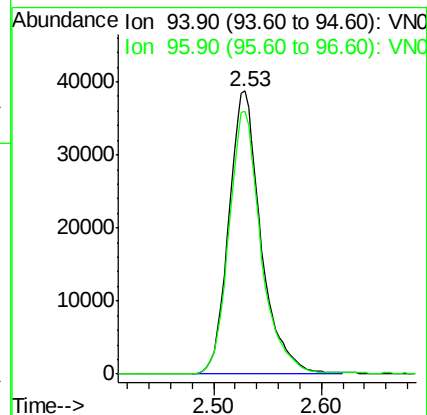
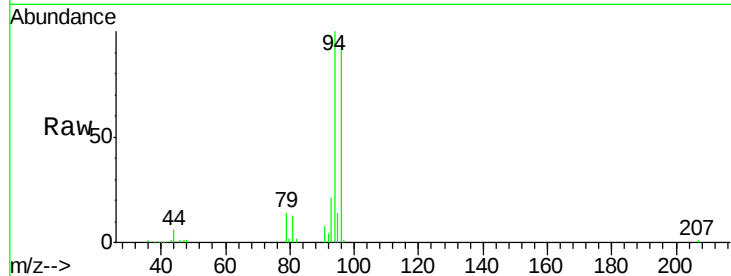
VSTDCCC050

Tgt Ion: 94 Resp: 80445

Ion Ratio Lower Upper

94 100

96 93.1 75.8 113.8



#6

Chloroethane

Concen: 54.623 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063001.D

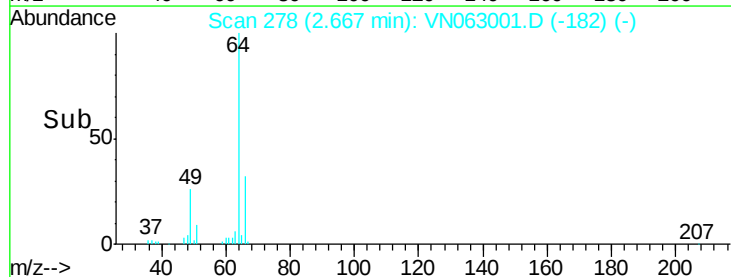
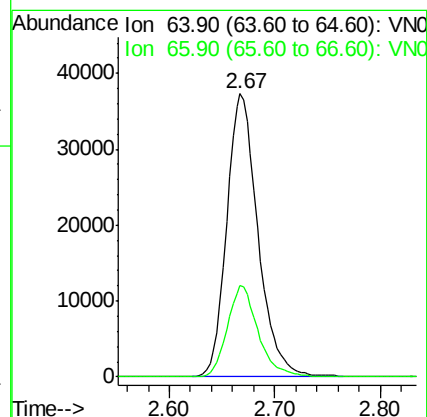
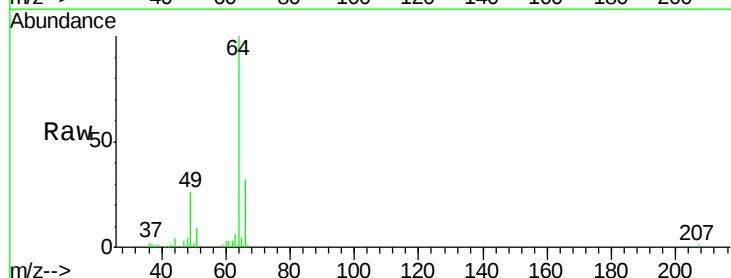
Acq: 19 Aug 2020 9:46

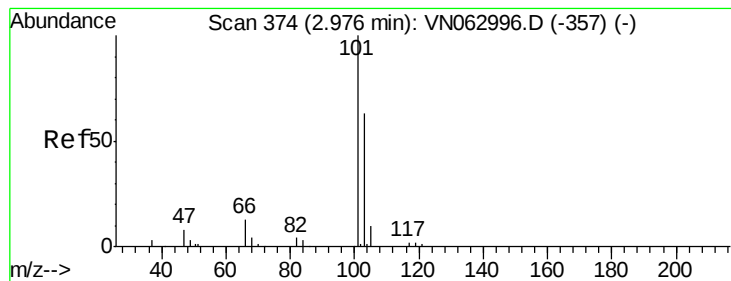
Tgt Ion: 64 Resp: 76370

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



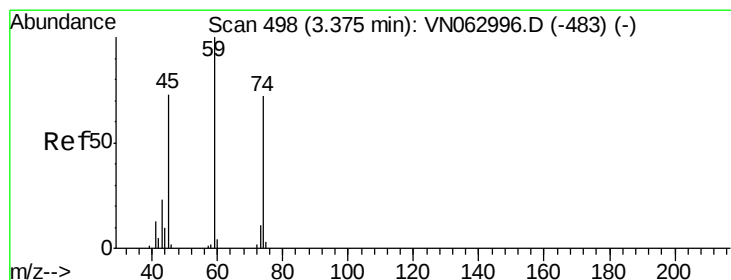
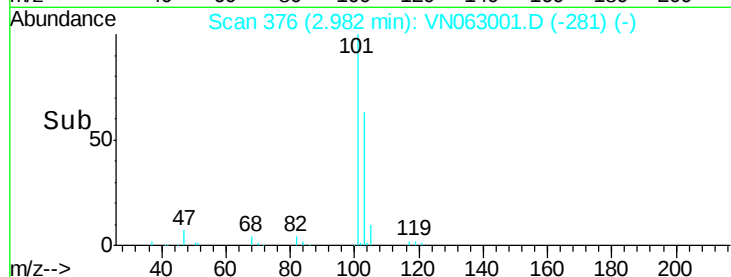
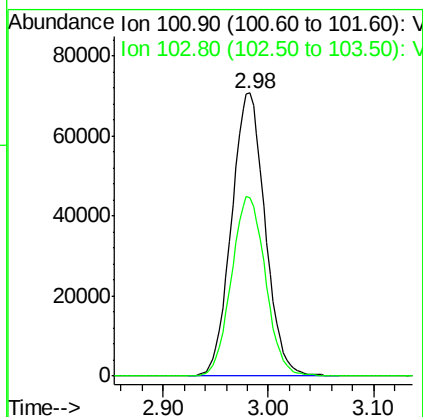
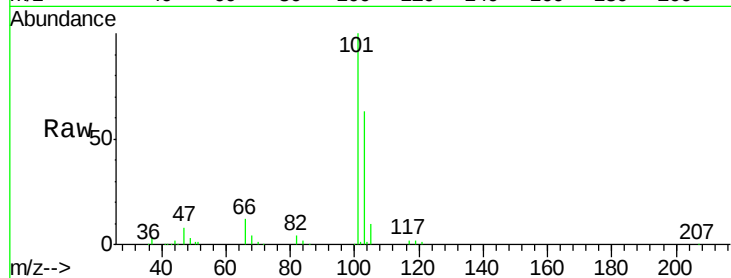


#7

Trichlorofluoromethane
 Concen: 52.863 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN063001.D
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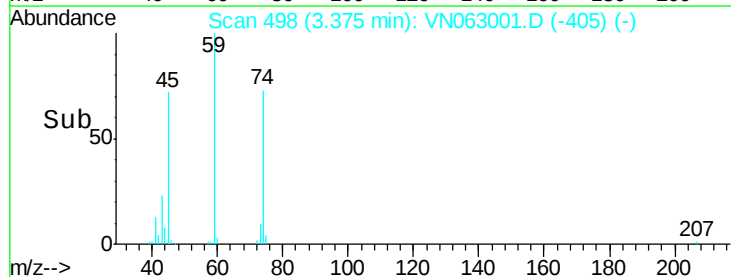
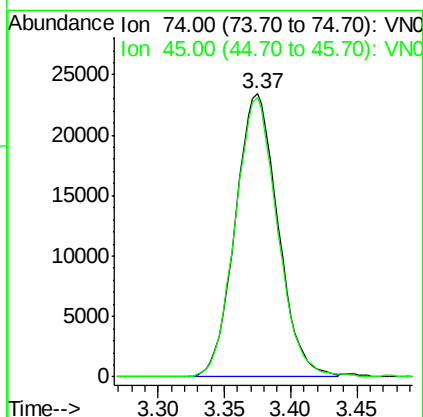
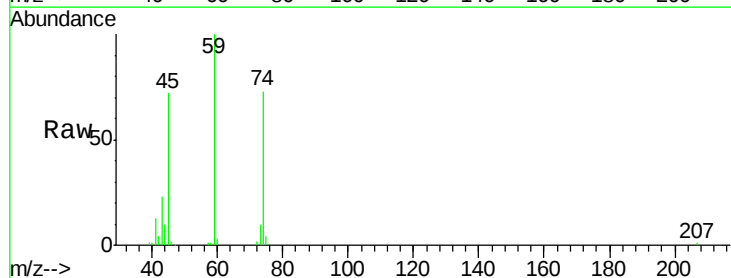
Tgt Ion:101 Resp: 156110
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.5 75.7

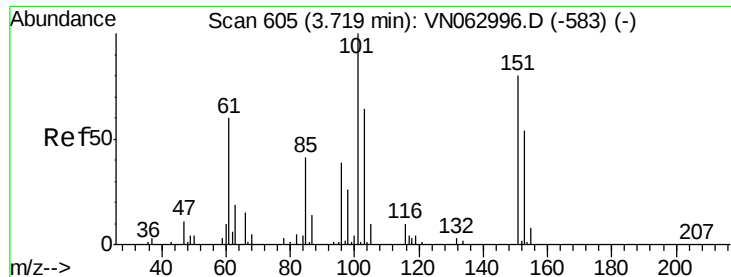


#8

Diethyl Ether
 Concen: 50.172 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 74 Resp: 52415
 Ion Ratio Lower Upper
 74 100
 45 98.1 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.920 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

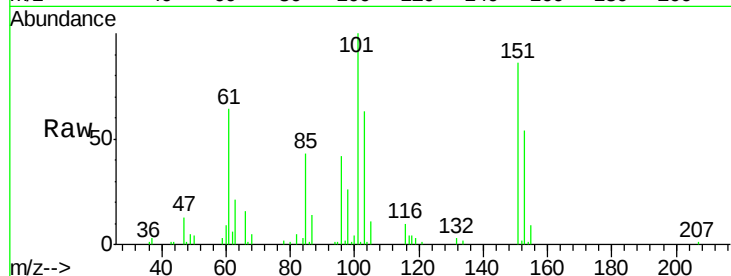
Tgt Ion:101 Resp: 79437

Ion Ratio Lower Upper

101 100

85 42.4 34.0 51.0

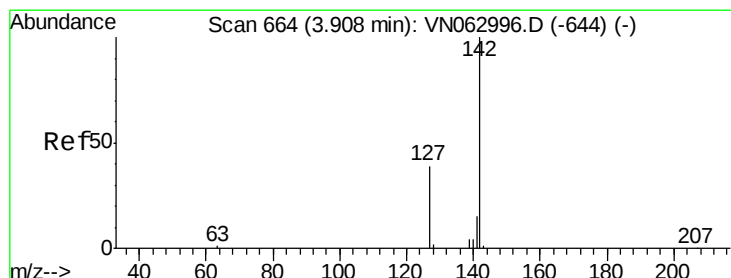
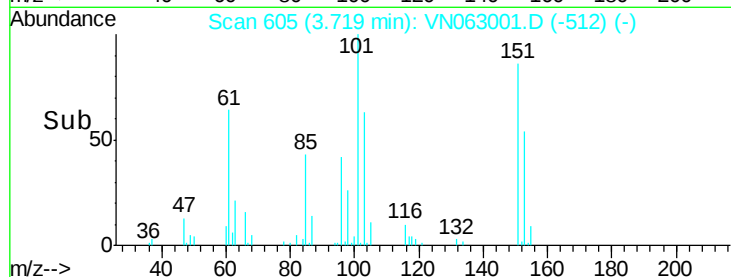
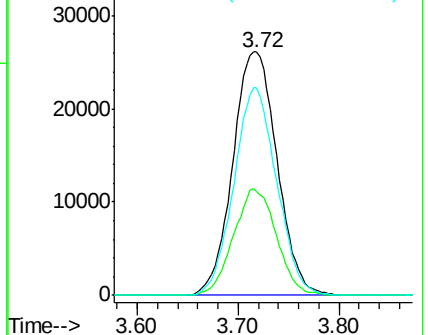
151 82.5 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.223 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

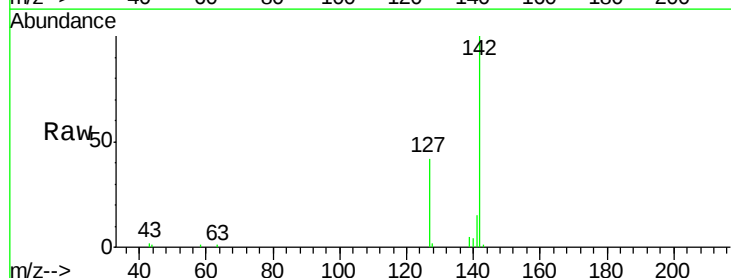
Tgt Ion:142 Resp: 107351

Ion Ratio Lower Upper

142 100

127 40.5 32.2 48.4

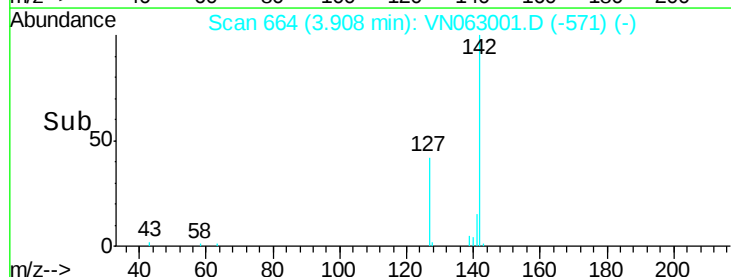
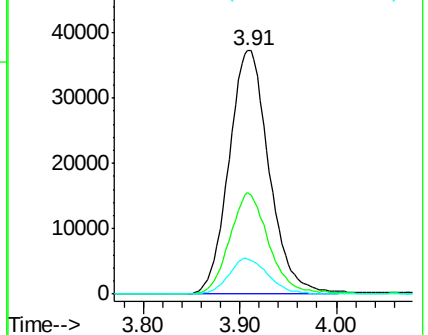
141 14.4 11.3 16.9

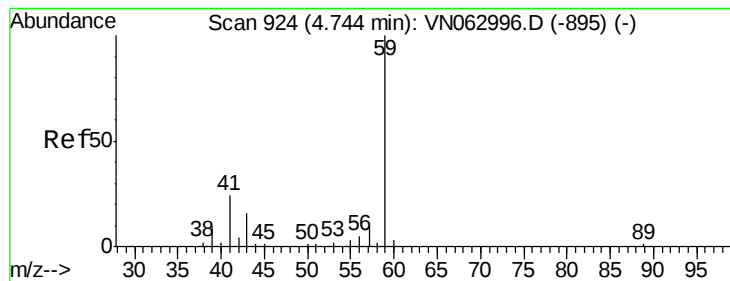


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



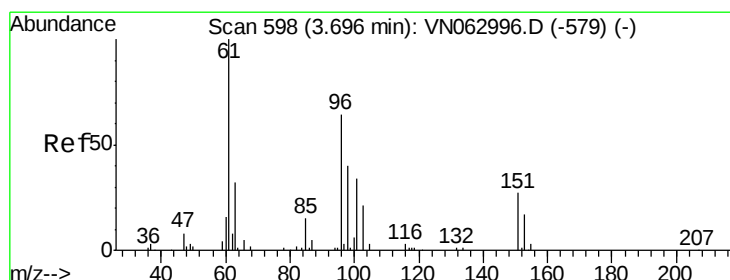
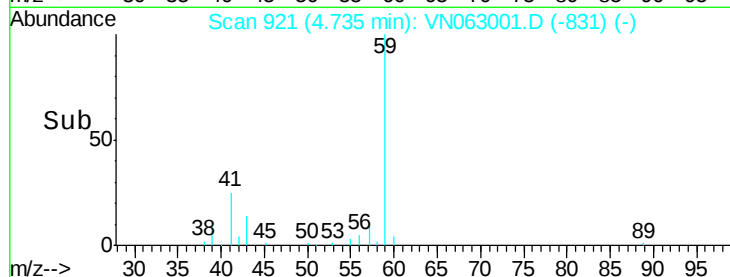
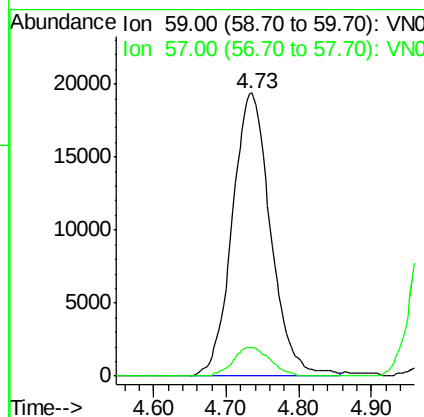
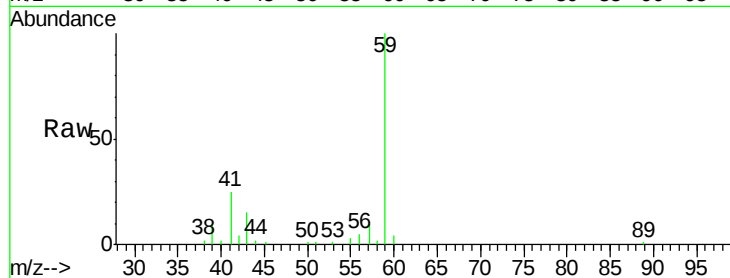


#11

Tert butyl alcohol
 Concen: 237.735 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

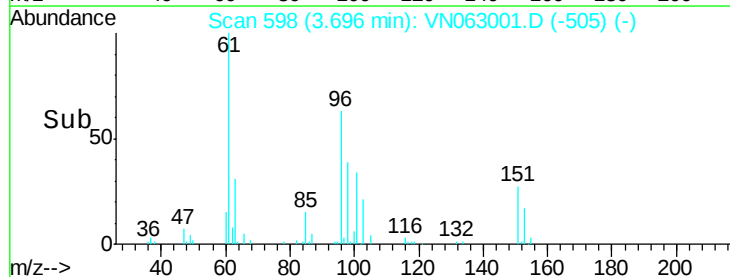
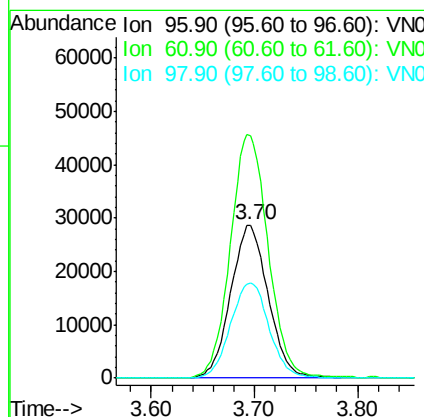
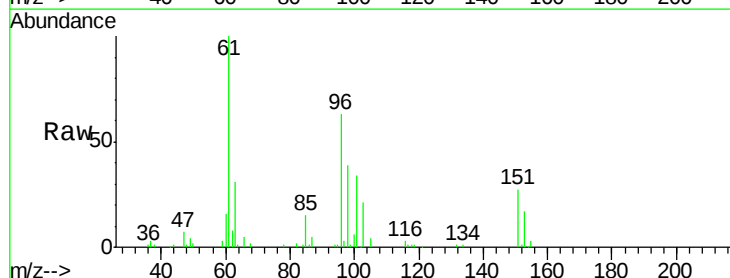
Tgt Ion: 59 Resp: 71273
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

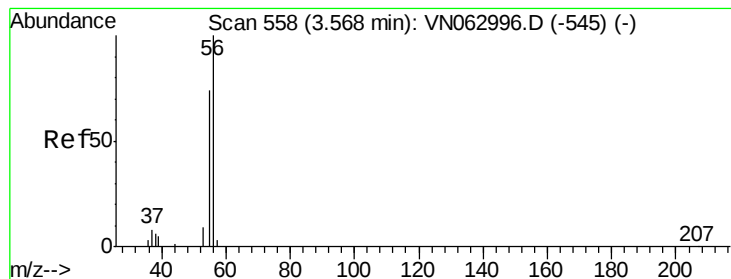


#12

1,1-Dichloroethene
 Concen: 47.904 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 96 Resp: 72617
 Ion Ratio Lower Upper
 96 100
 61 158.0 125.5 188.3
 98 62.2 50.4 75.6





#13

Acrolein

Concen: 164.577 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

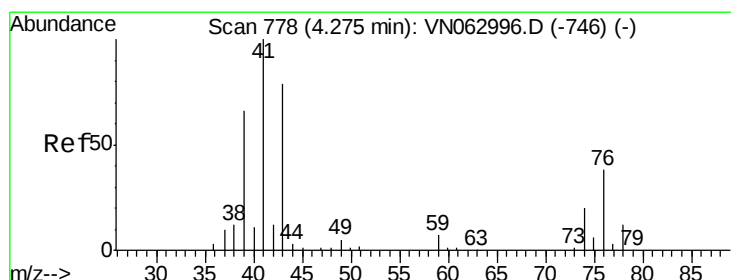
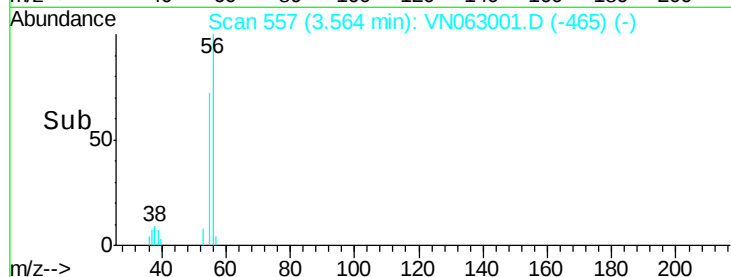
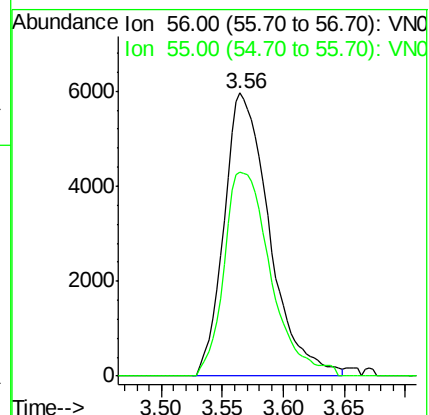
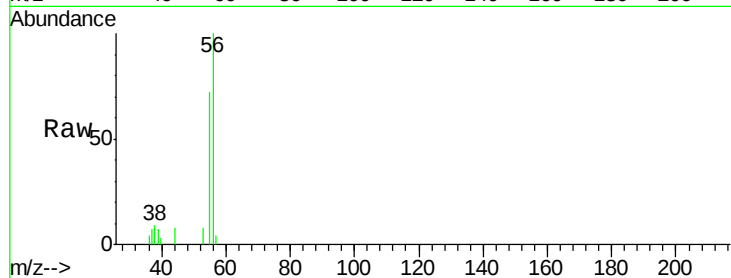
VSTDCCC050

Tgt Ion: 56 Resp: 15457

Ion Ratio Lower Upper

56 100

55 74.1 58.4 87.6



#14

Allyl chloride

Concen: 48.958 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

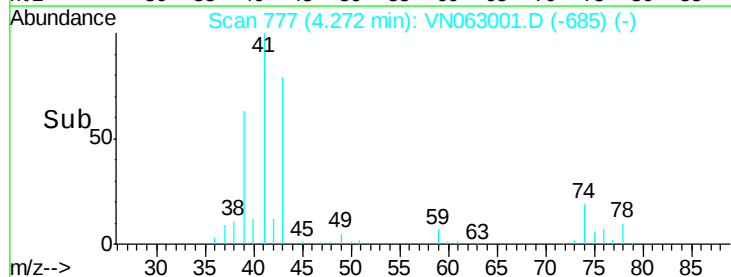
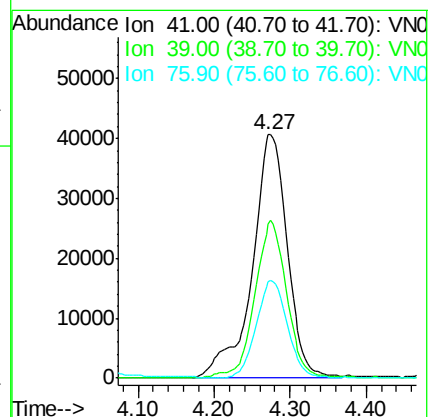
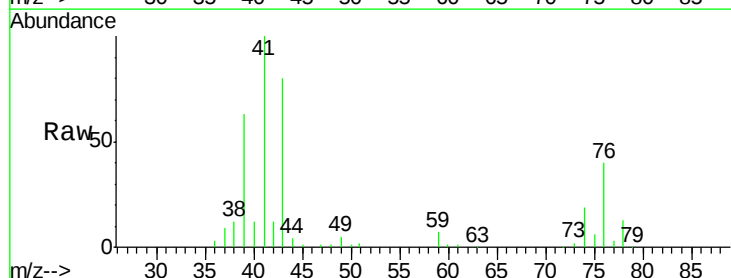
Tgt Ion: 41 Resp: 130855

Ion Ratio Lower Upper

41 100

39 58.5 47.9 71.9

76 35.4 27.0 40.6





#15

Acrylonitrile

Concen: 254.363 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

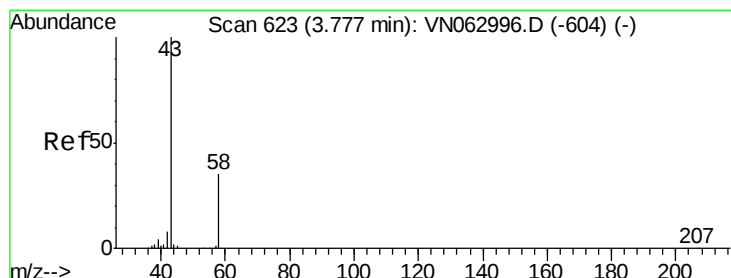
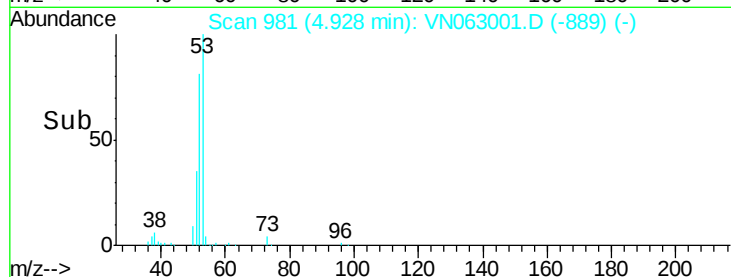
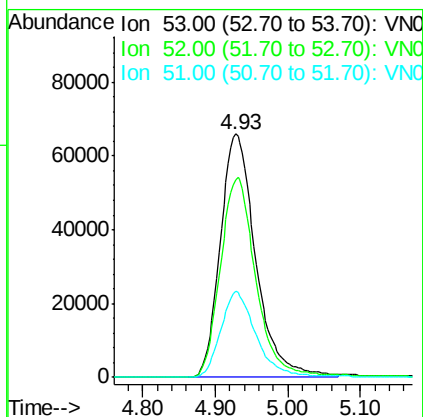
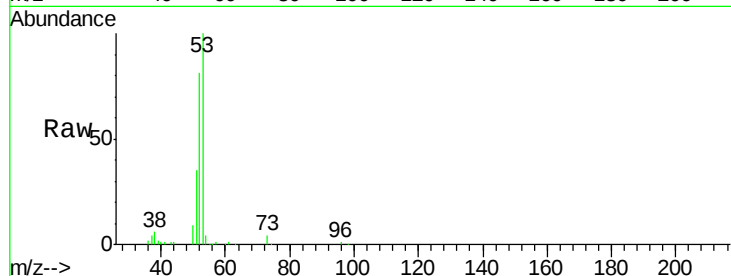
Tgt Ion: 53 Resp: 224137

Ion Ratio Lower Upper

53 100

52 82.0 65.6 98.4

51 35.4 28.2 42.4



#16

Acetone

Concen: 311.248 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063001.D

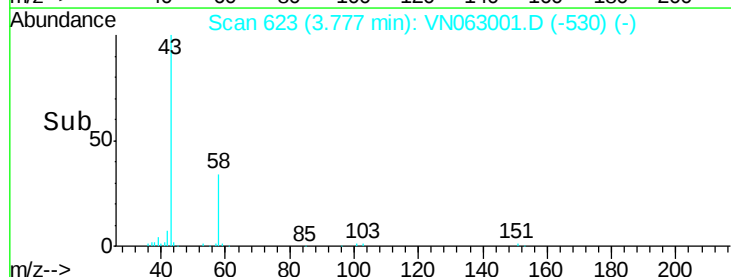
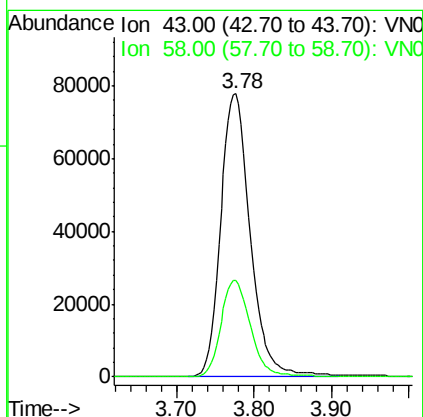
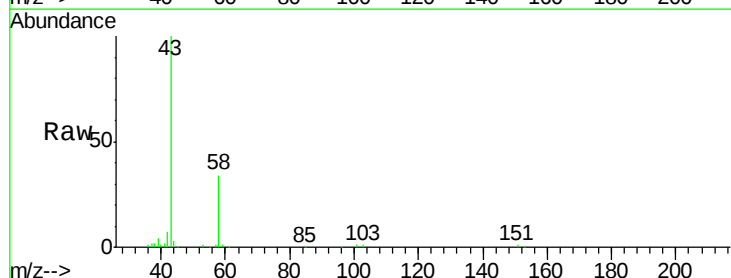
Acq: 19 Aug 2020 9:46

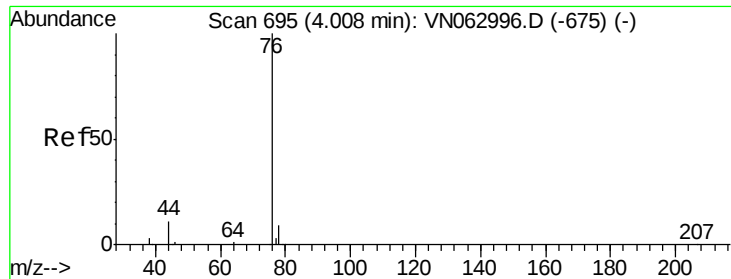
Tgt Ion: 43 Resp: 204796

Ion Ratio Lower Upper

43 100

58 34.0 27.8 41.6

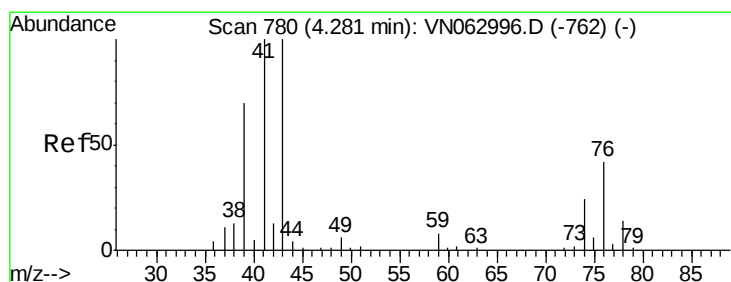
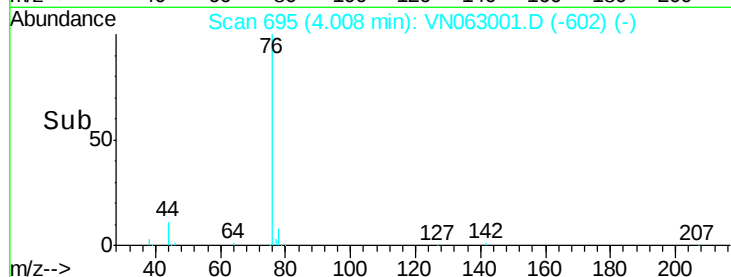
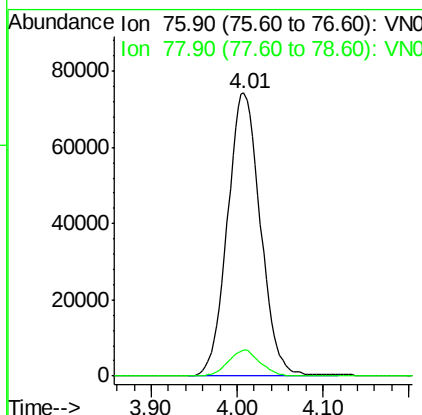
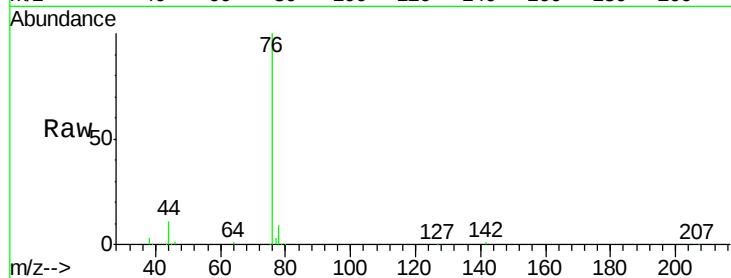




#17
Carbon Disulfide
Concen: 49.887 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

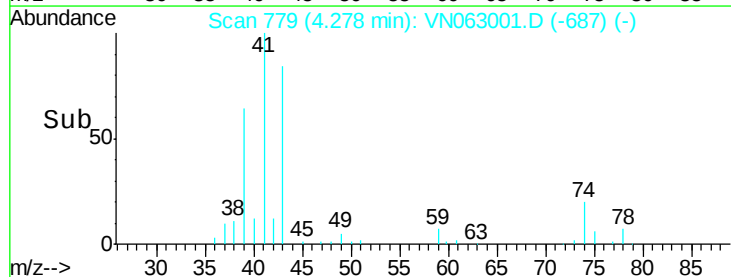
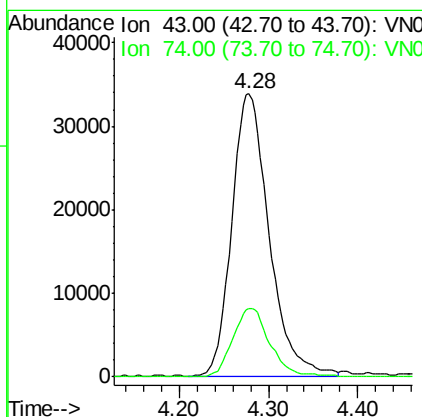
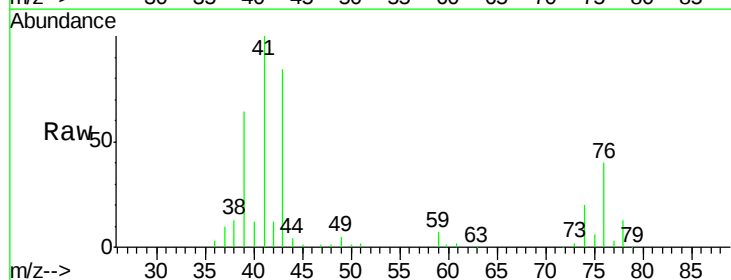
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

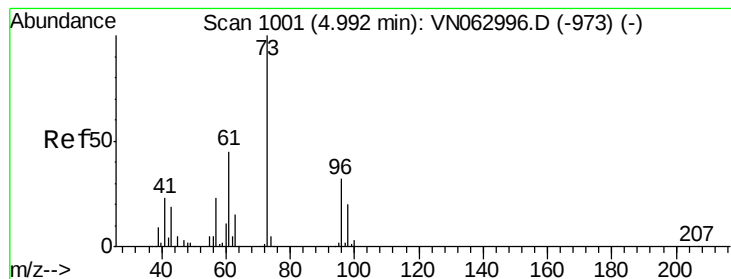
Tgt Ion: 76 Resp: 198051
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 47.009 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 43 Resp: 98878
Ion Ratio Lower Upper
43 100
74 23.9 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 53.855 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

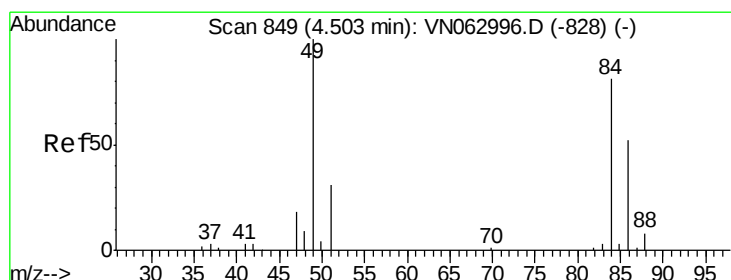
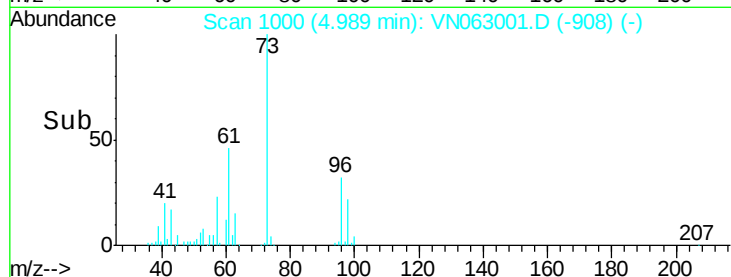
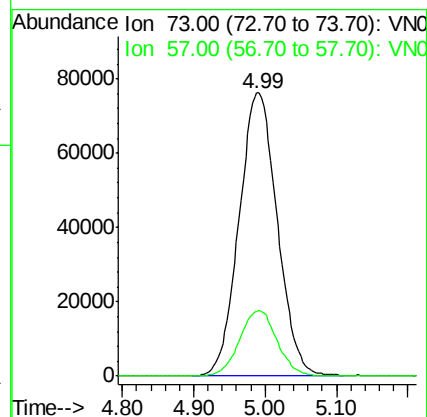
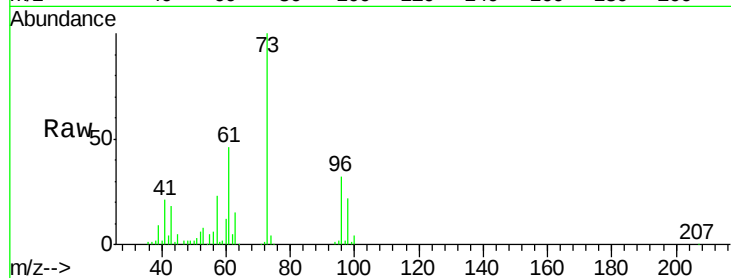
VSTDCCC050

Tgt Ion: 73 Resp: 284705

Ion Ratio Lower Upper

73 100

57 23.0 18.1 27.1



#20

Methylene Chloride

Concen: 50.646 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion: 84 Resp: 94477

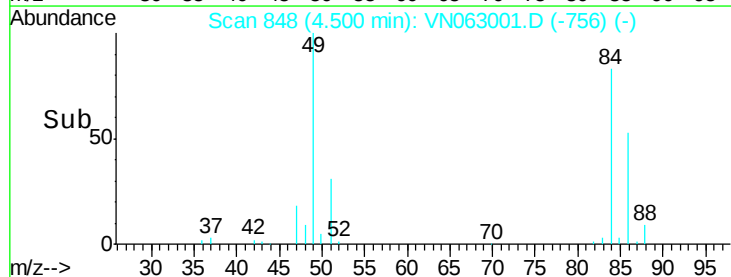
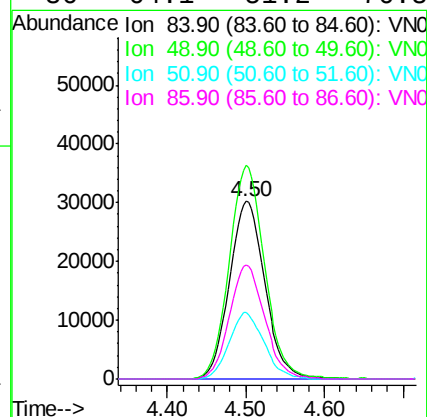
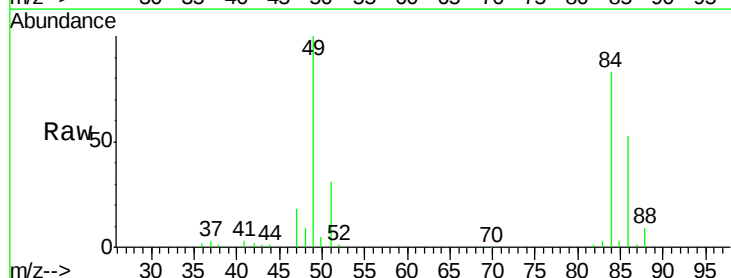
Ion Ratio Lower Upper

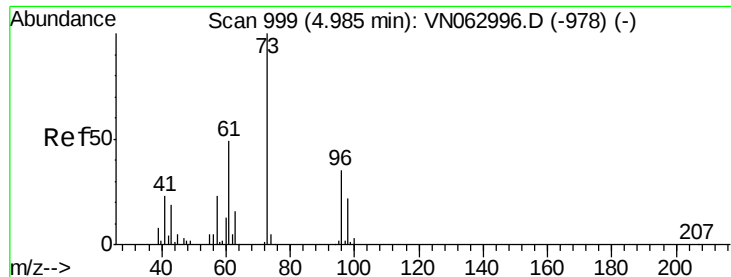
84 100

49 120.4 98.7 148.1

51 37.2 30.8 46.2

86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.862 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

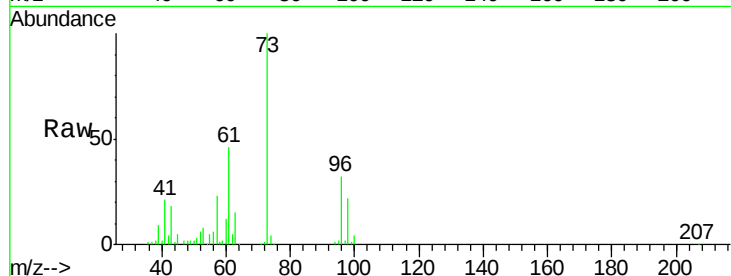
Tgt Ion: 96 Resp: 80687

Ion Ratio Lower Upper

96 100

61 141.2 112.5 168.7

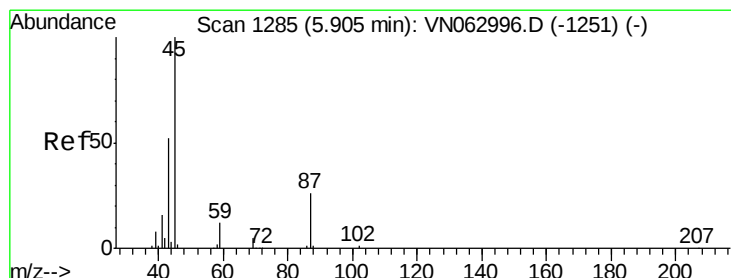
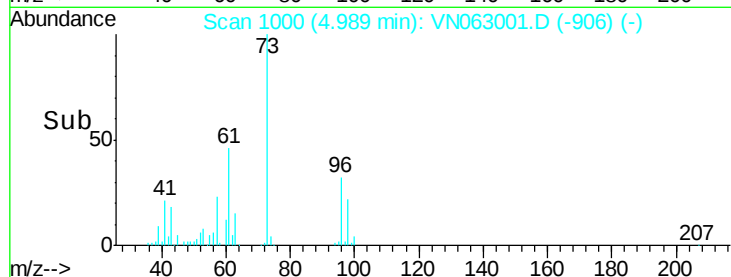
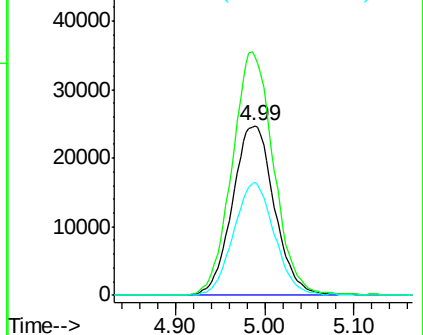
98 66.5 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN063001.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN063001.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN063001.D (-906) (-)



#22

Diisopropyl ether

Concen: 52.712 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion: 45 Resp: 319709

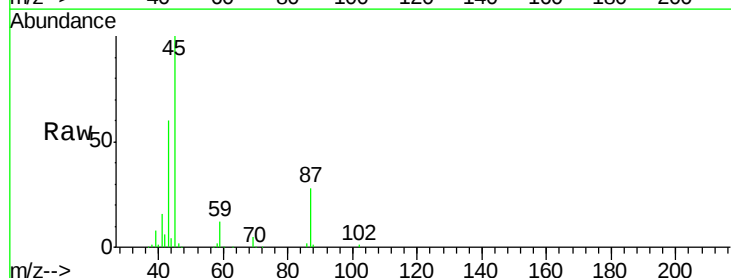
Ion Ratio Lower Upper

45 100

43 58.6 45.7 68.5

87 27.7 21.8 32.6

59 12.0 9.3 13.9

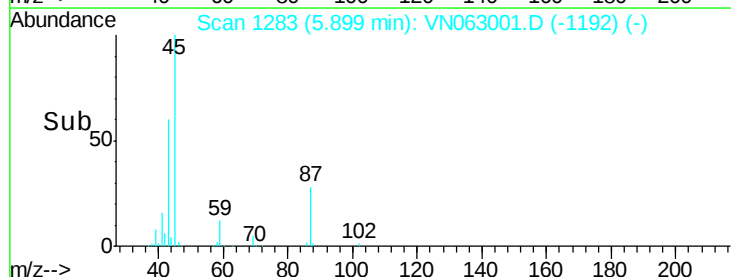
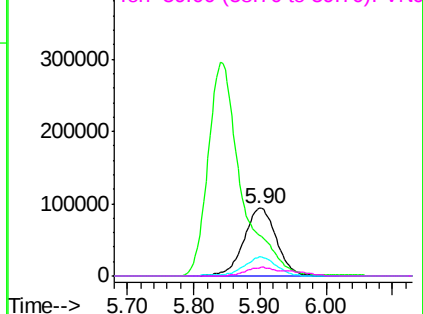


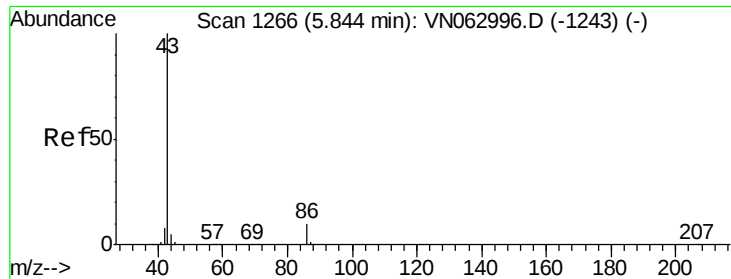
Abundance Ion 45.00 (44.70 to 45.70): VN063001.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN063001.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN063001.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN063001.D (-1192) (-)





#23

Vinyl Acetate

Concen: 251.270 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

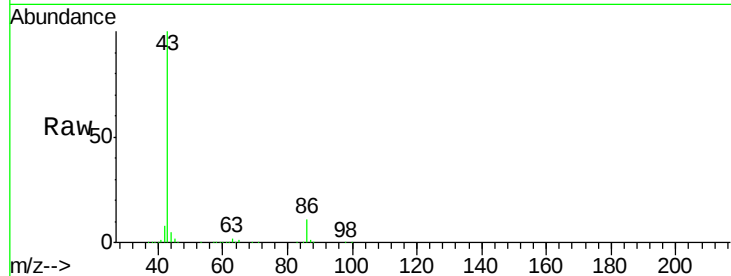
VSTDCCC050

Tgt Ion: 43 Resp: 1028424

Ion Ratio Lower Upper

43 100

86 10.6 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

300000

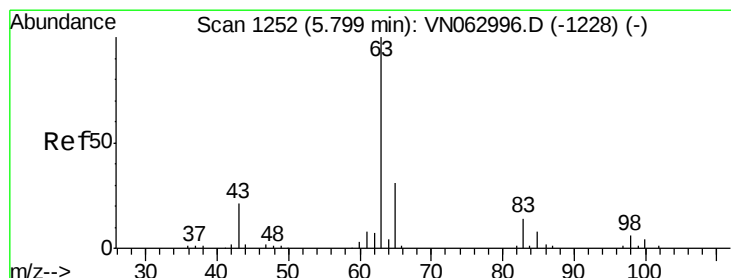
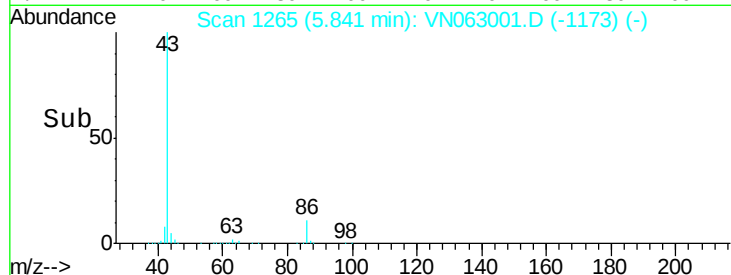
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.712 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

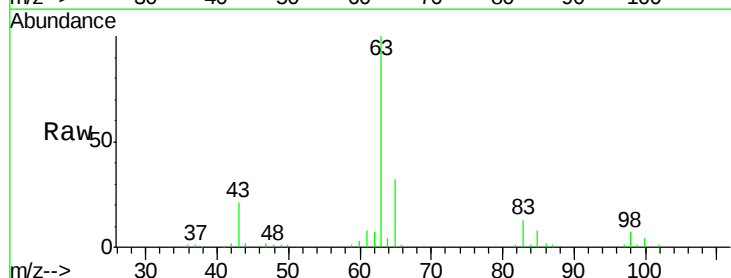
Tgt Ion: 63 Resp: 168488

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

5.80

60000

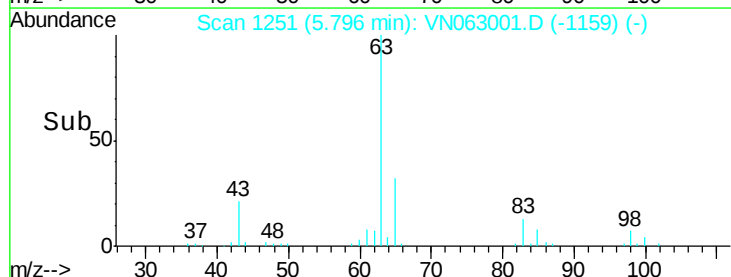
40000

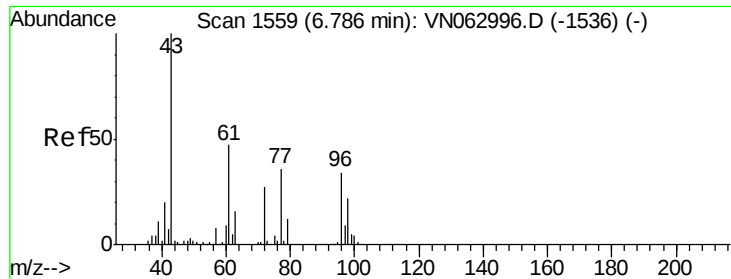
20000

0

5.70 5.80 5.90

Time-->

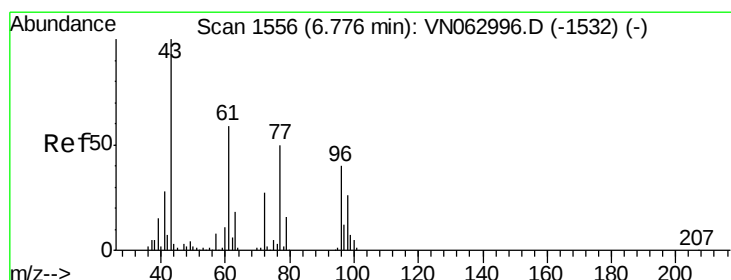
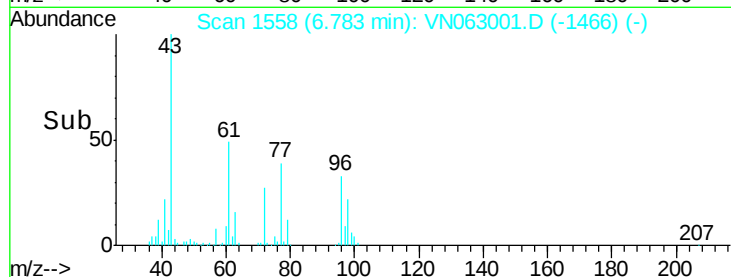
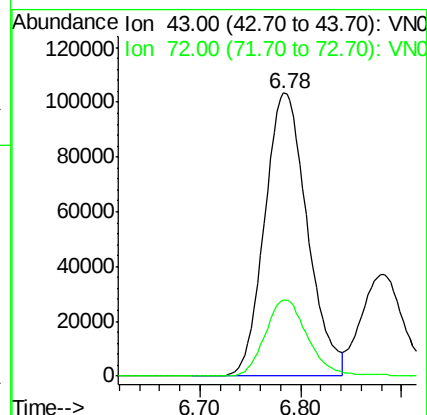
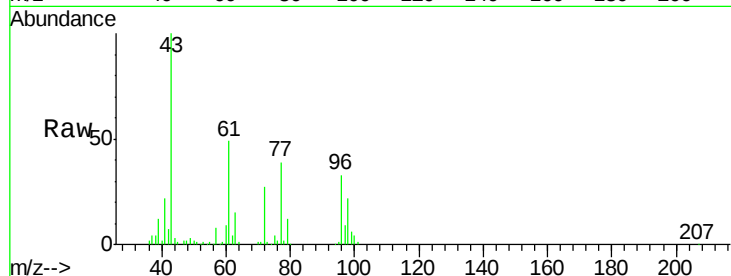




#25
 2-Butanone
 Concen: 270.027 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

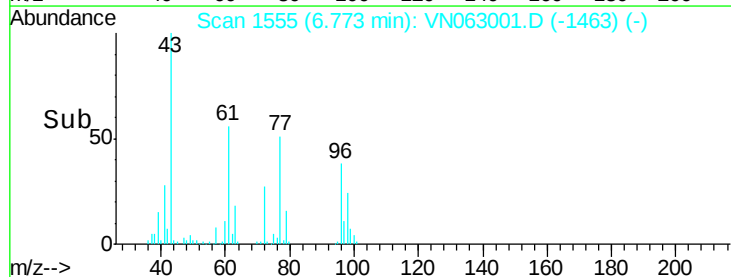
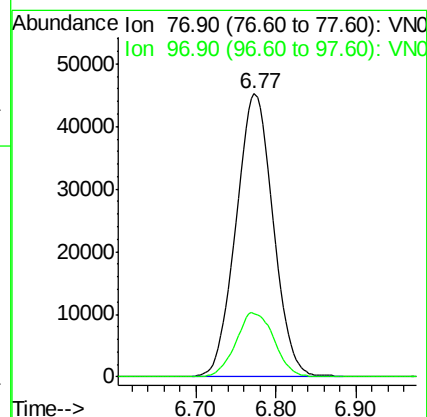
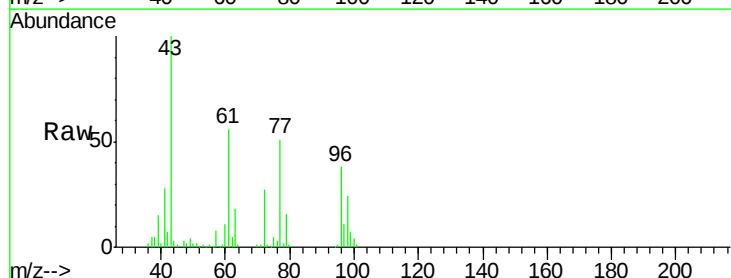
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

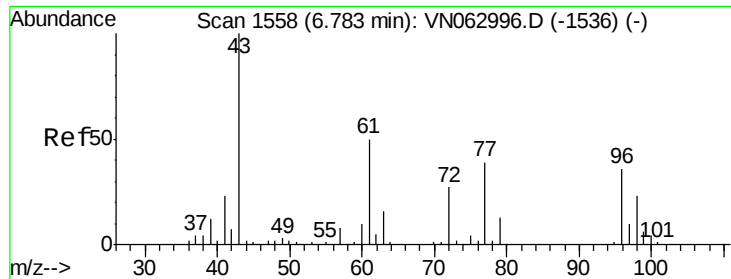
Tgt Ion: 43 Resp: 303425
 Ion Ratio Lower Upper
 43 100
 72 26.7 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 53.544 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 77 Resp: 142721
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 51.500 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

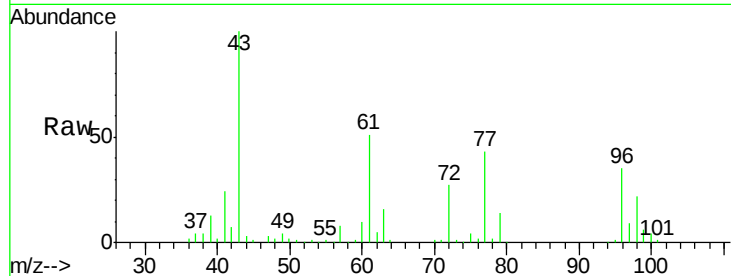
Tgt Ion: 96 Resp: 102403

Ion Ratio Lower Upper

96 100

61 147.1 0.0 292.8

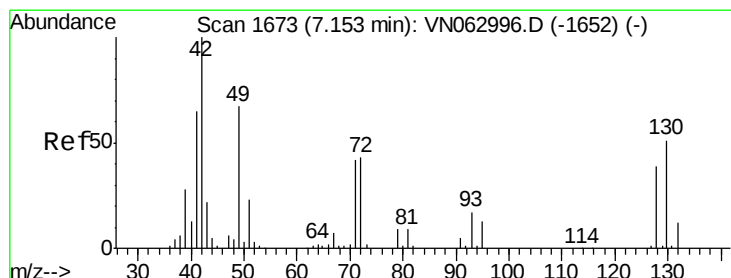
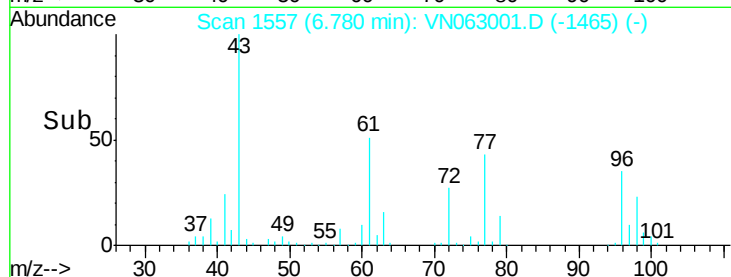
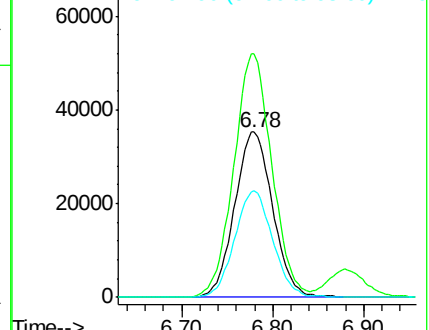
98 64.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-1536) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-1536) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1536) (-)



#28

Bromochloromethane

Concen: 49.195 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

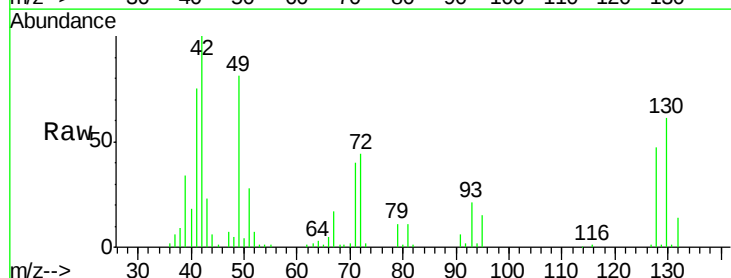
Tgt Ion: 49 Resp: 87242

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

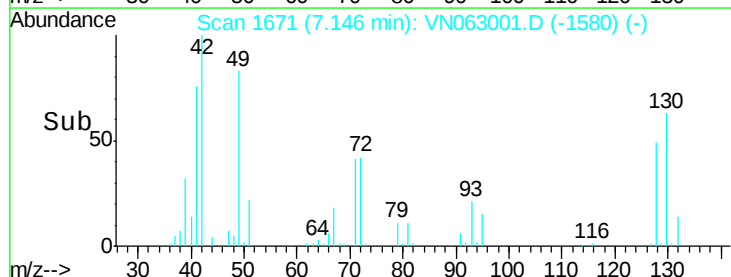
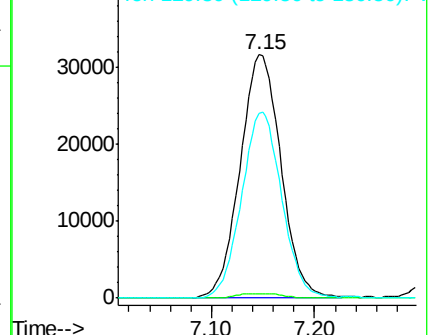
130 74.9 61.1 91.7

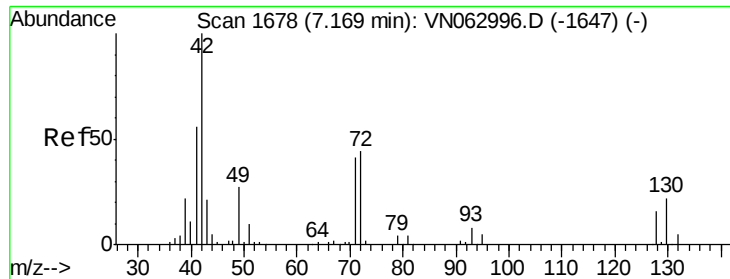


Abundance Ion 48.90 (48.60 to 49.60): VN062996.D (-1652) (-)

Ion 128.80 (128.50 to 129.50): VN062996.D (-1652) (-)

Ion 129.80 (129.50 to 130.50): VN062996.D (-1652) (-)

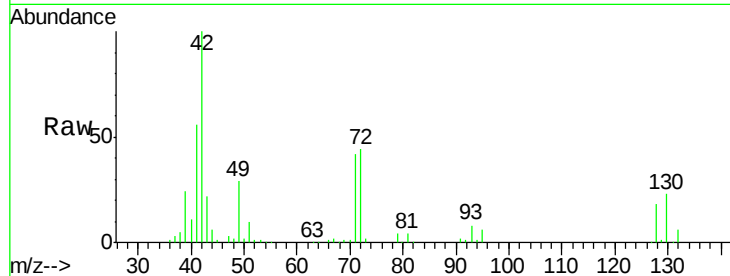




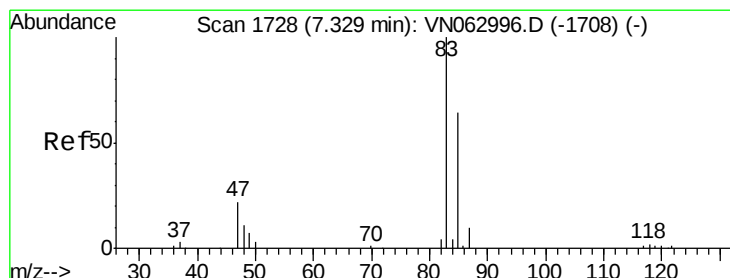
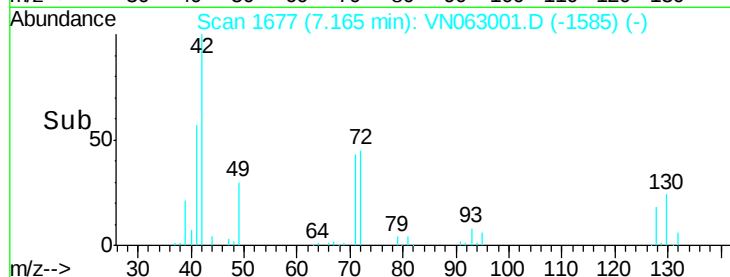
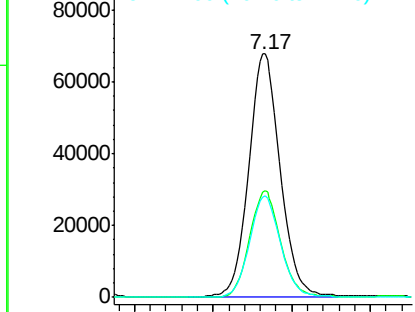
#29
Tetrahydrofuran
Concen: 265.963 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192883
Ion Ratio Lower Upper
42 100
72 43.0 34.6 52.0
71 41.0 32.3 48.5

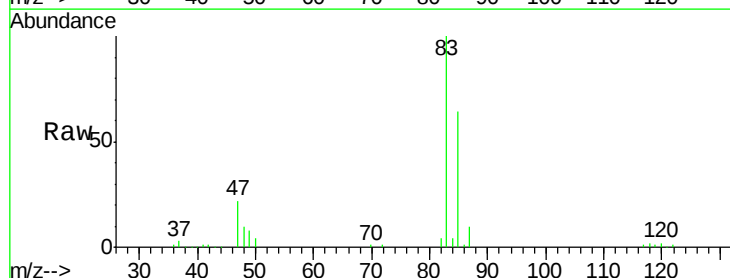


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

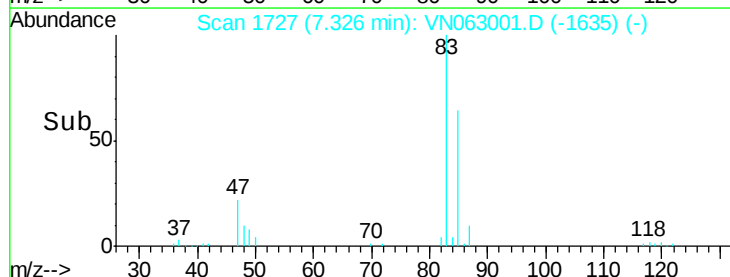
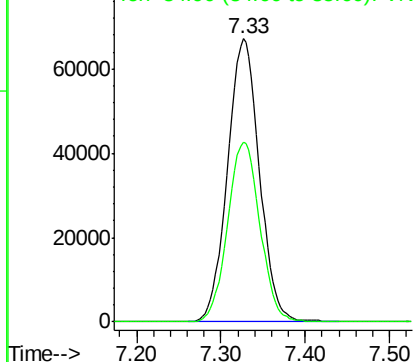


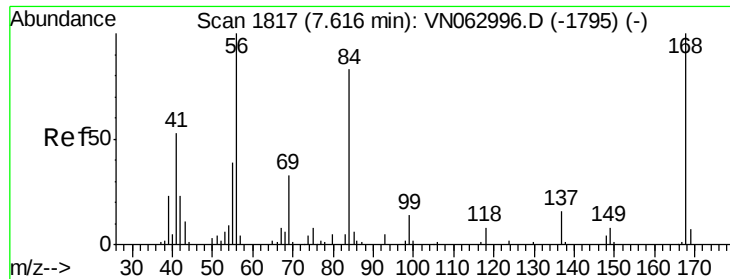
#30
Chloroform
Concen: 51.714 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 83 Resp: 176523
Ion Ratio Lower Upper
83 100
85 63.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

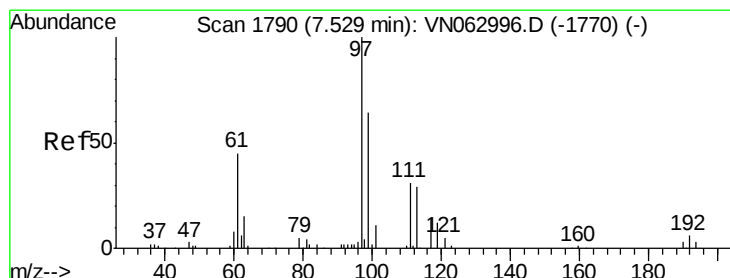
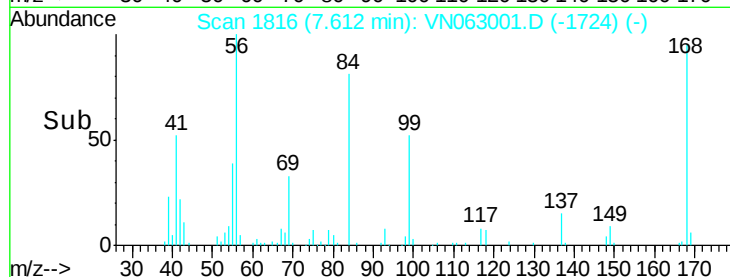
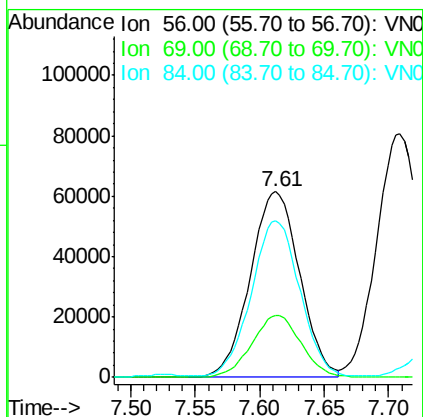
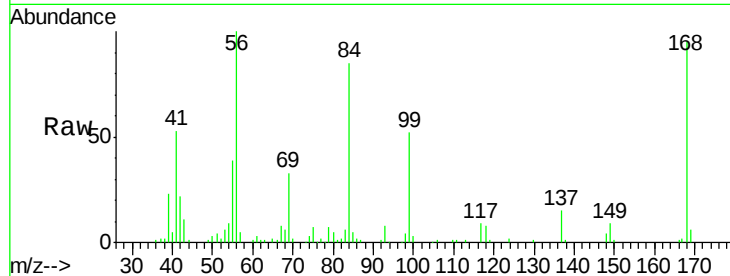




#31
Cyclohexane
Concen: 52.616 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

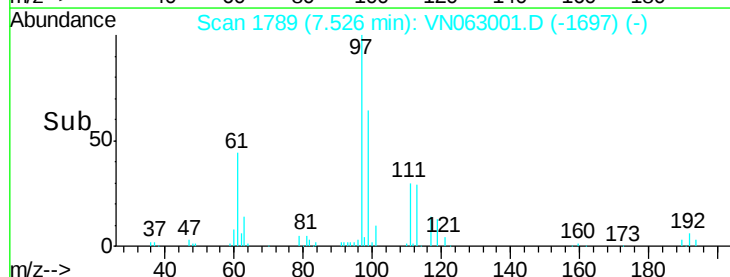
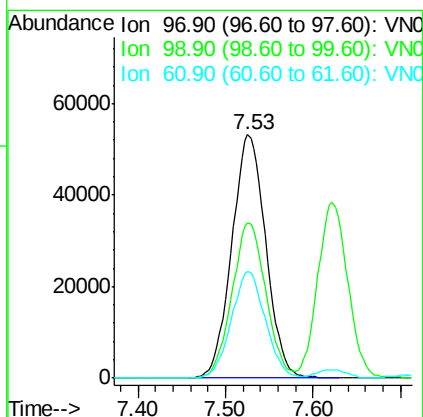
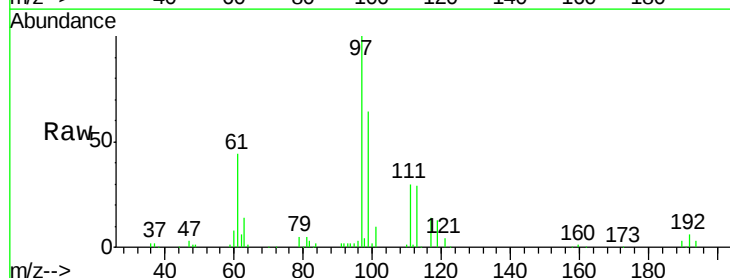
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

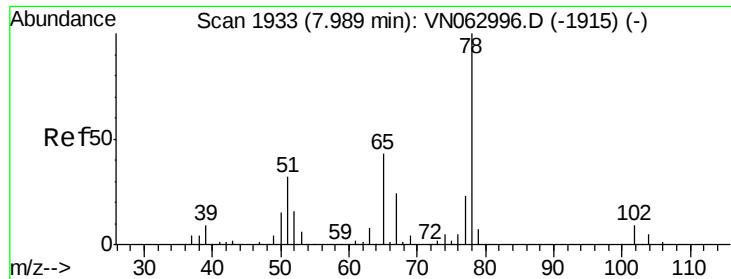
Tgt Ion: 56 Resp: 164134
Ion Ratio Lower Upper
56 100
69 33.4 26.6 40.0
84 83.8 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 51.521 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 97 Resp: 143576
Ion Ratio Lower Upper
97 100
99 63.4 52.0 78.0
61 43.8 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 51.933 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

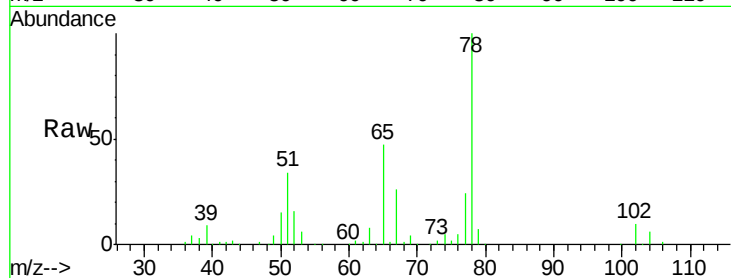
VSTDCCC050

Tgt Ion: 65 Resp: 109919

Ion Ratio Lower Upper

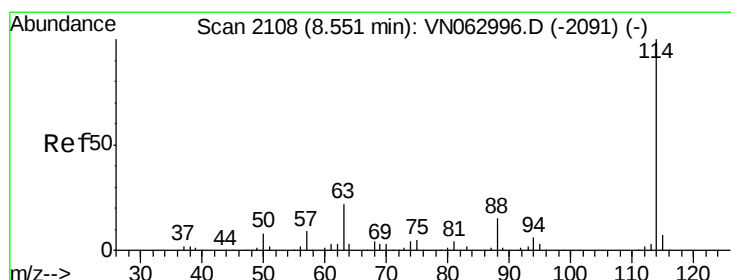
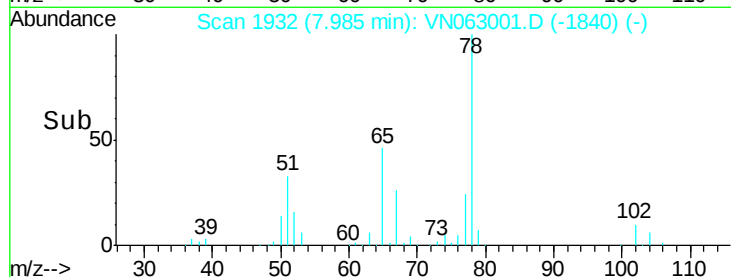
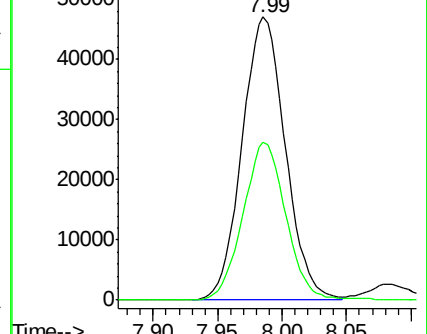
65 100

67 55.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN062996.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062996.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

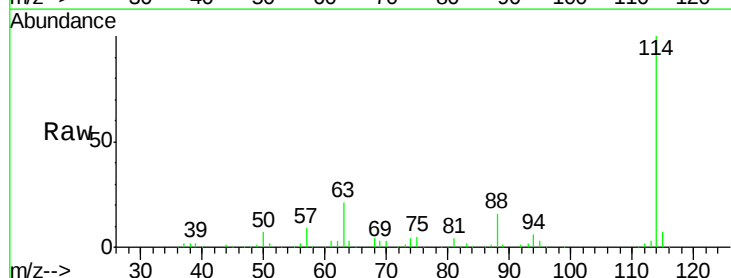
Tgt Ion: 114 Resp: 258589

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

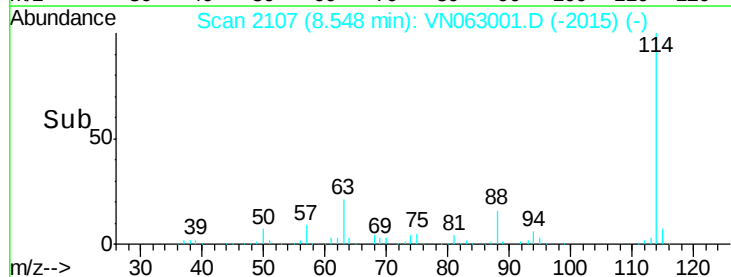
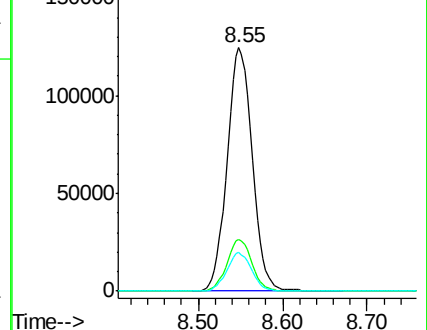
88 15.9 0.0 30.6

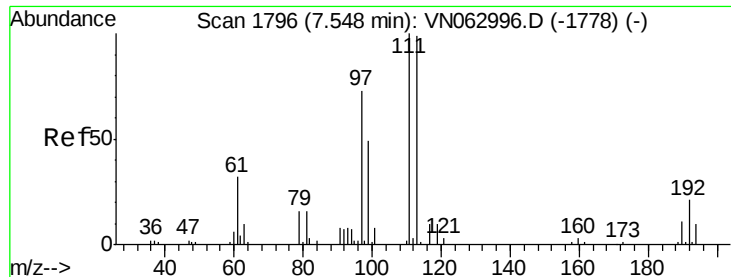


Abundance Ion 113.90 (113.60 to 114.60): VN062996.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062996.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062996.D (-2091) (-)

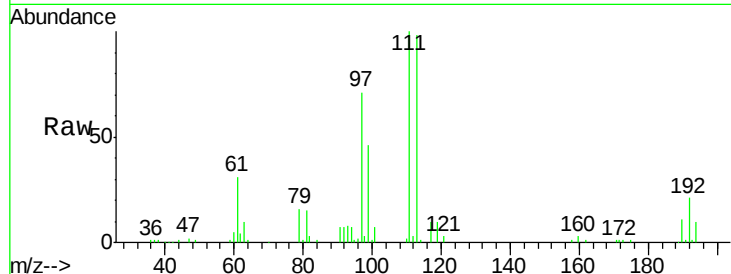




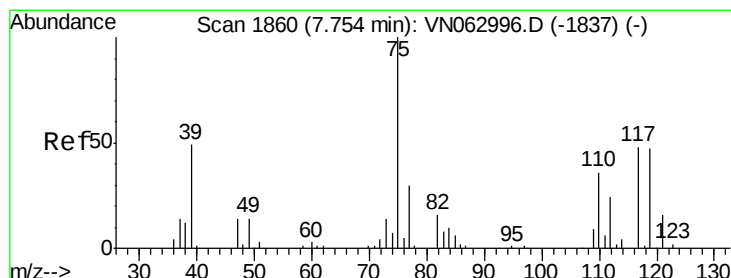
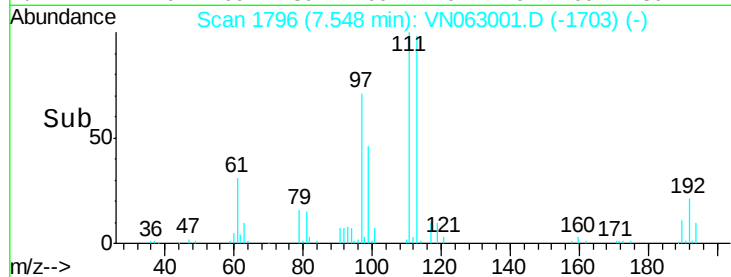
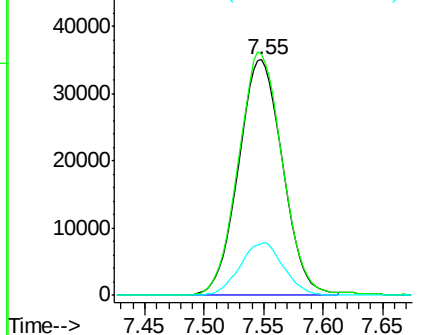
#35
 Dibromofluoromethane
 Concen: 53.550 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 90230
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 21.9 17.5 26.3

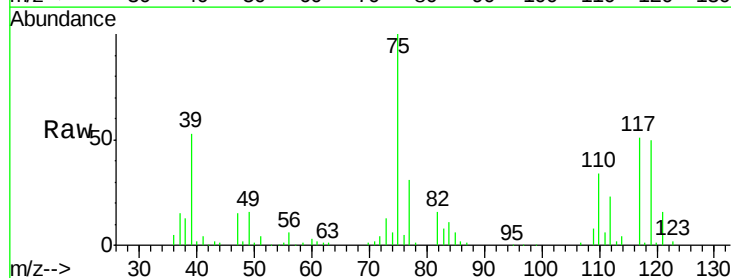


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

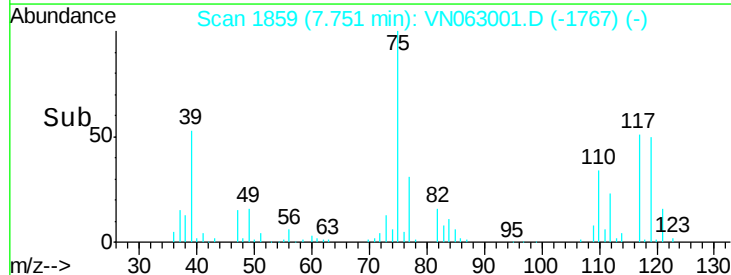
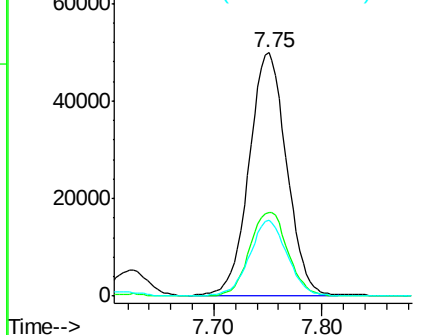


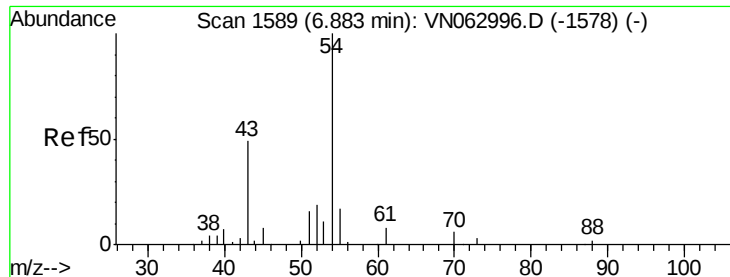
#36
 1,1-Dichloropropene
 Concen: 53.011 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 75 Resp: 120803
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.5 52.6
 77 31.2 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

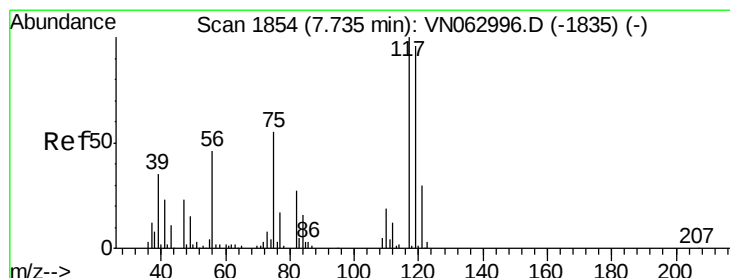
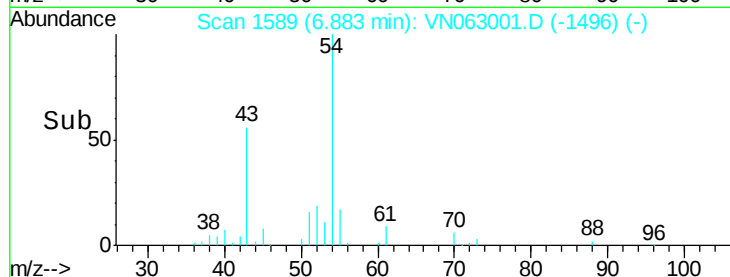
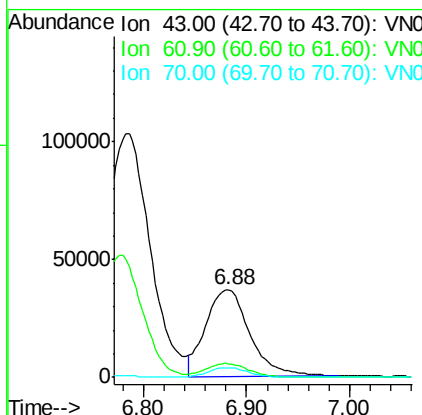
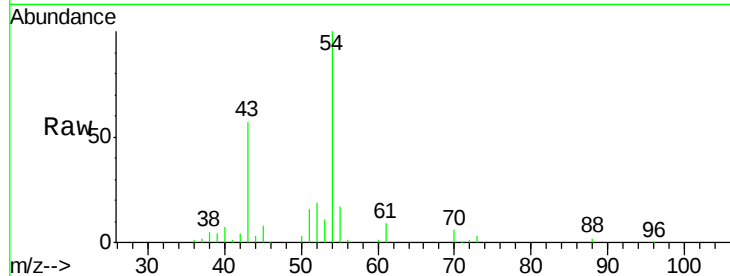




#37
 Ethyl Acetate
 Concen: 51.349 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

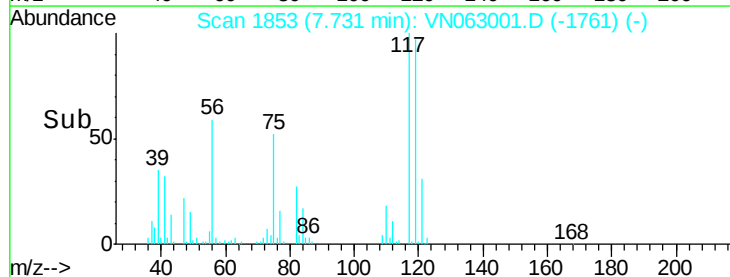
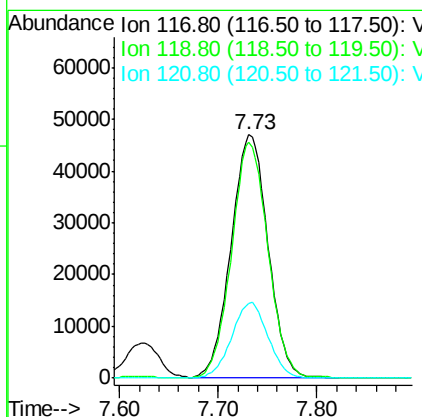
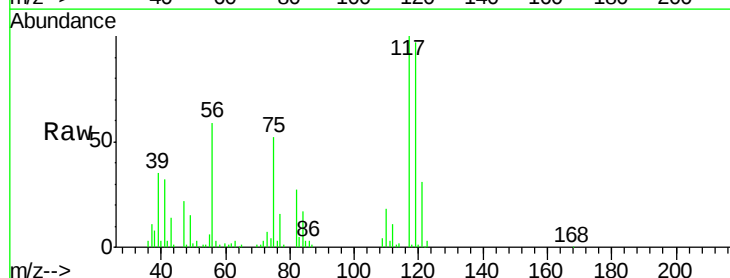
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

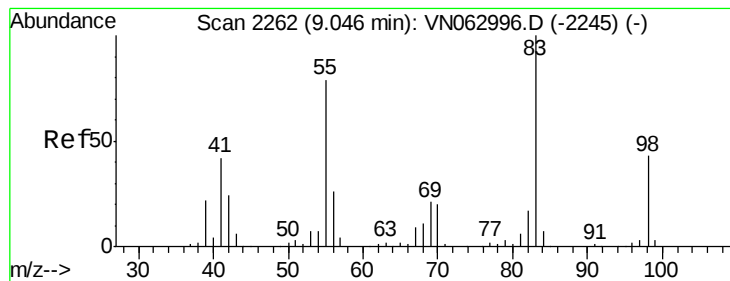
Tgt Ion: 43 Resp: 109645
 Ion Ratio Lower Upper
 43 100
 61 14.5 11.8 17.8
 70 10.4 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 53.312 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 117 Resp: 122652
 Ion Ratio Lower Upper
 117 100
 119 97.1 76.2 114.4
 121 30.8 24.2 36.2





#39

Methylcyclohexane

Concen: 51.890 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

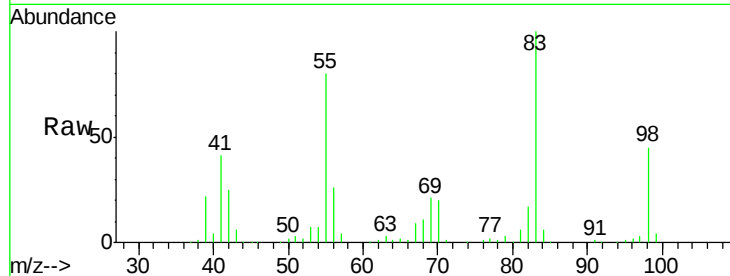
Tgt Ion: 83 Resp: 159832

Ion Ratio Lower Upper

83 100

55 79.7 63.3 94.9

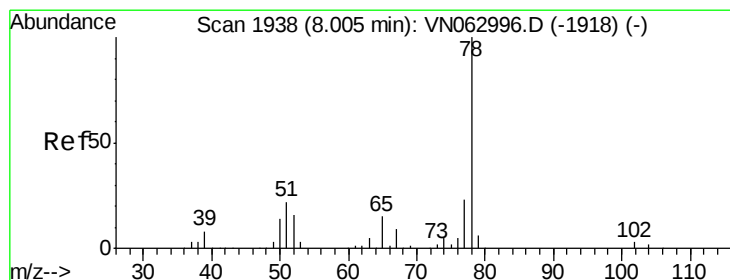
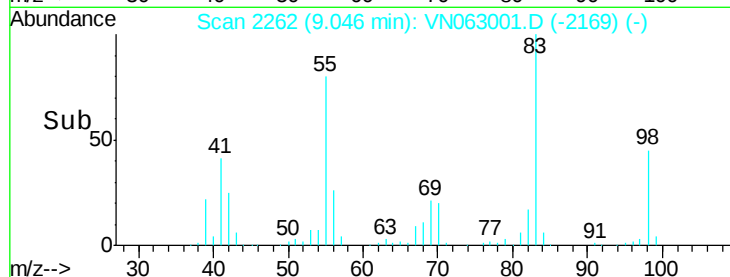
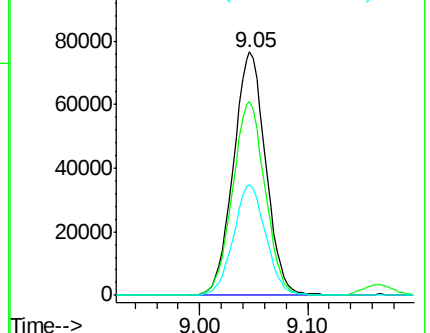
98 45.5 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VN062996.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN062996.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN062996.D (-2245) (-)



#40

Benzene

Concen: 53.414 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN063001.D

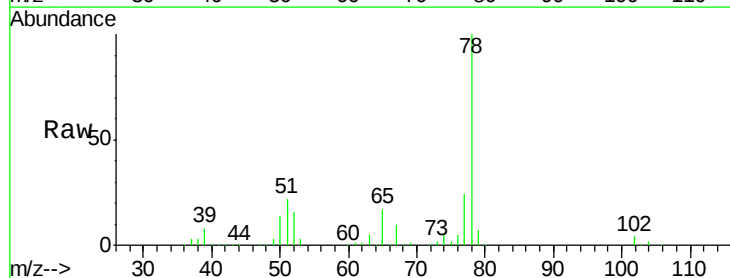
Acq: 19 Aug 2020 9:46

Tgt Ion: 78 Resp: 386059

Ion Ratio Lower Upper

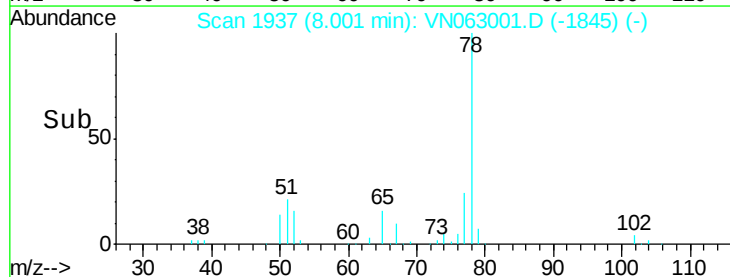
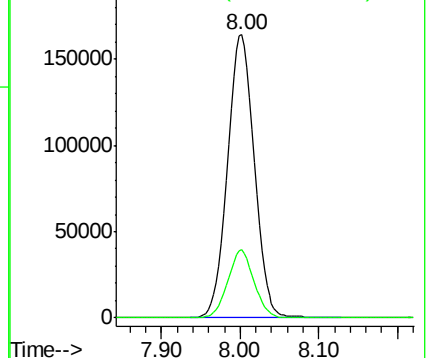
78 100

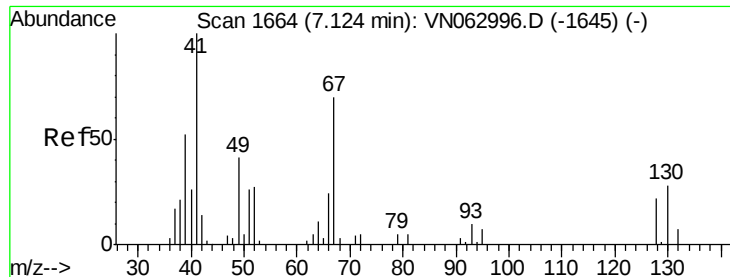
77 24.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN062996.D (-1918) (-)

Ion 77.00 (76.70 to 77.70): VN062996.D (-1918) (-)

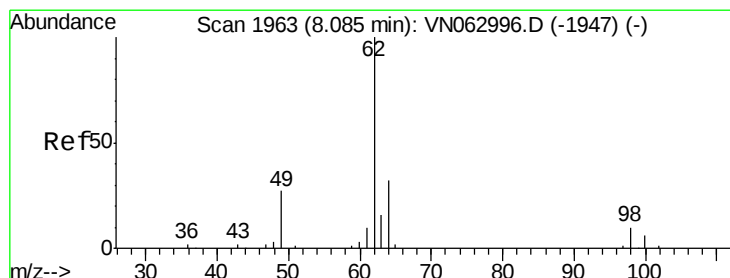
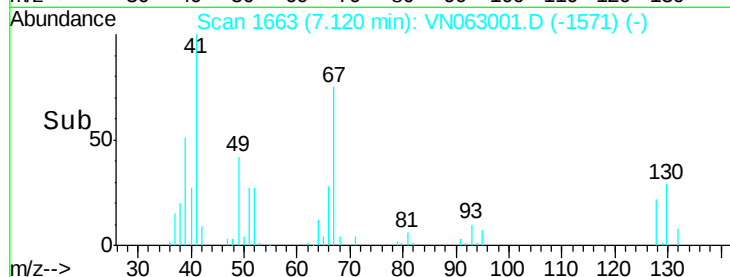
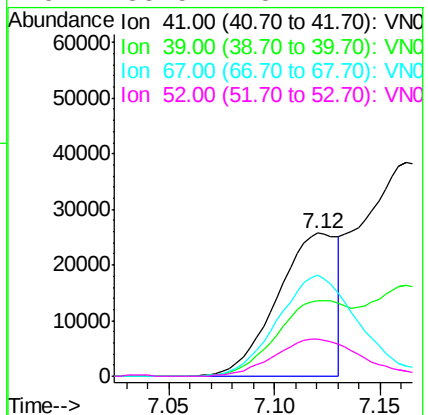
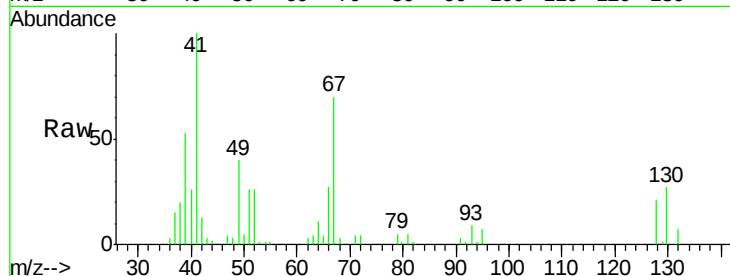




#41
Methacrylonitrile
Concen: 50.220 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

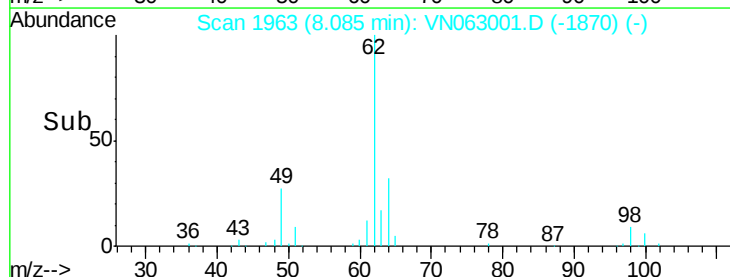
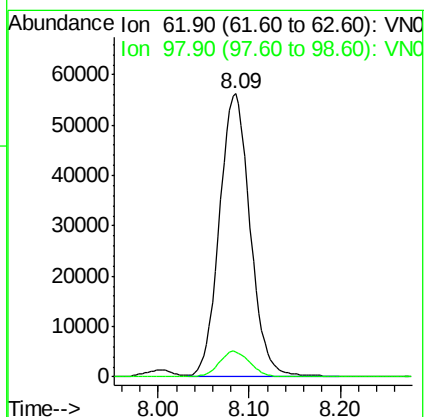
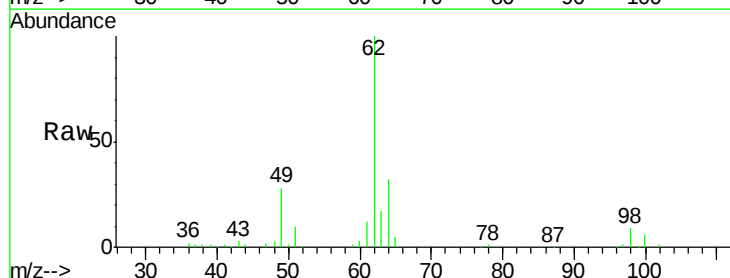
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

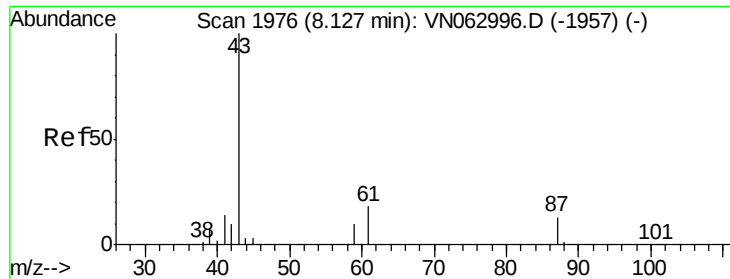
Tgt Ion: 41 Resp: 51092
Ion Ratio Lower Upper
41 100
39 62.6 41.6 62.4#
67 96.5 71.8 107.8
52 38.5 28.2 42.4



#42
1,2-Dichloroethane
Concen: 54.483 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 62 Resp: 132222
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 53.160 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

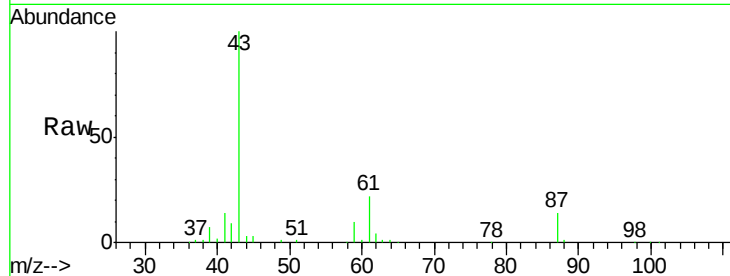
Tgt Ion: 43 Resp: 188054

Ion Ratio Lower Upper

43 100

61 22.0 22.6 33.8#

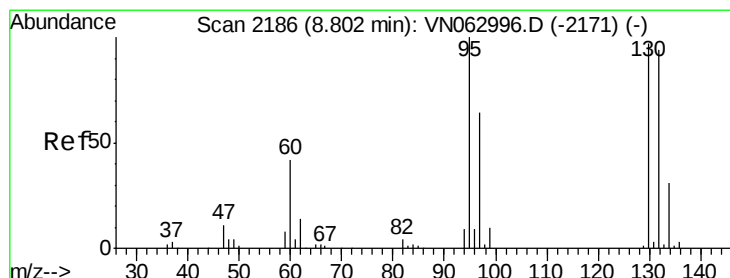
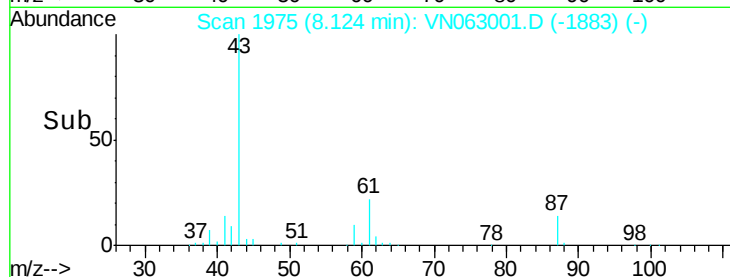
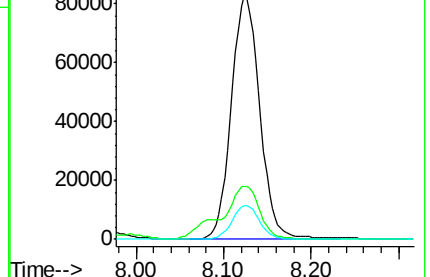
87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062996.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062996.D (-1957) (-)



#44

Trichloroethene

Concen: 52.275 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN063001.D

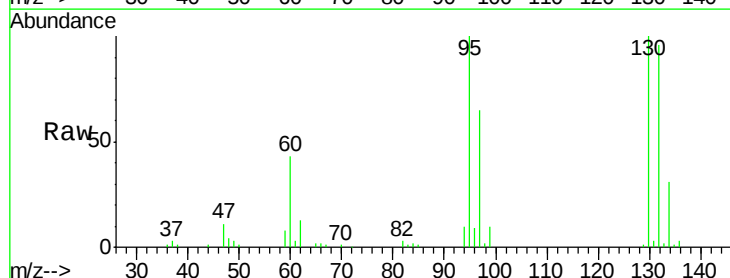
Acq: 19 Aug 2020 9:46

Tgt Ion: 130 Resp: 93981

Ion Ratio Lower Upper

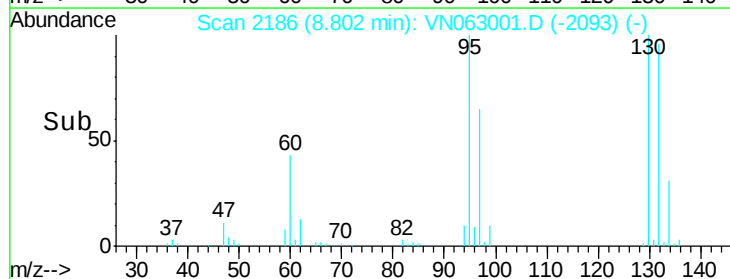
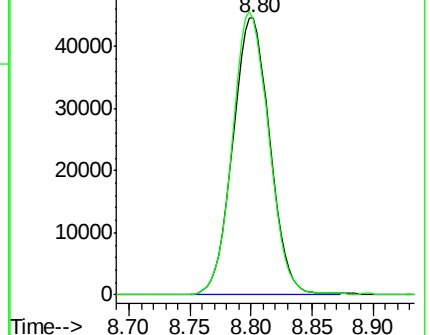
130 100

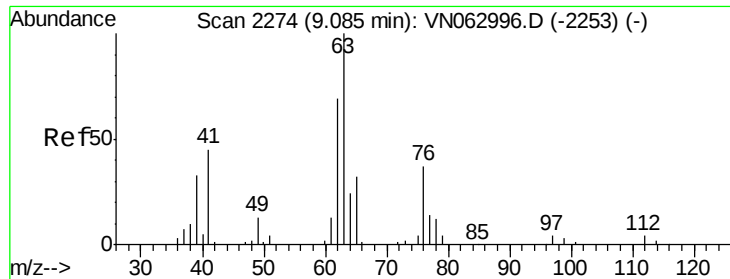
95 99.6 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN062996.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062996.D (-2171) (-)

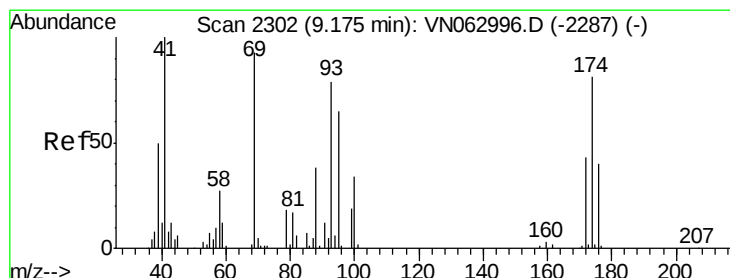
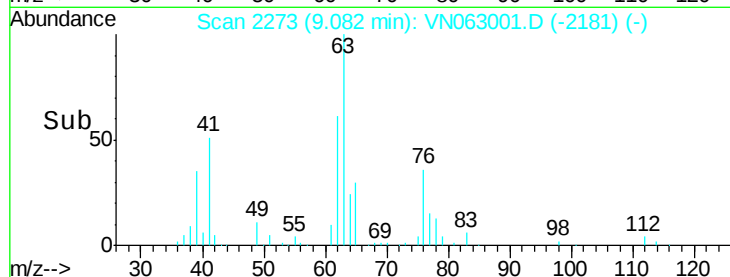
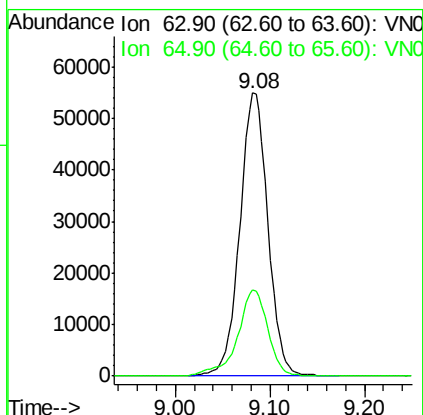
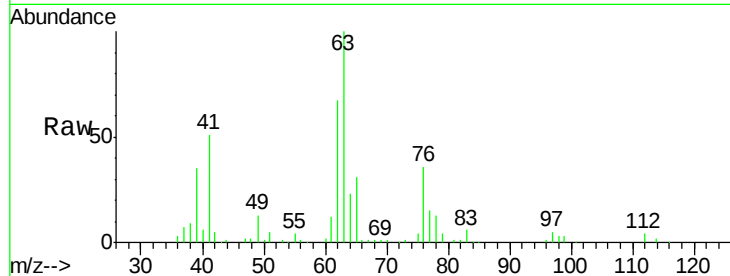




#45
 1,2-Dichloropropane
 Concen: 54.205 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

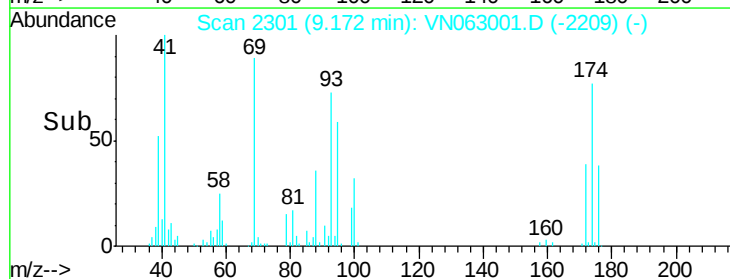
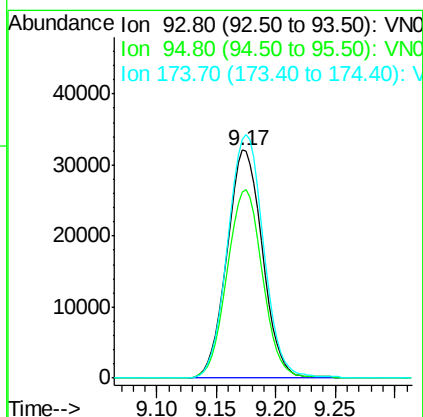
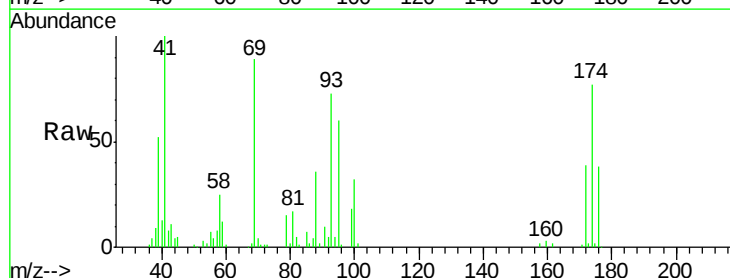
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

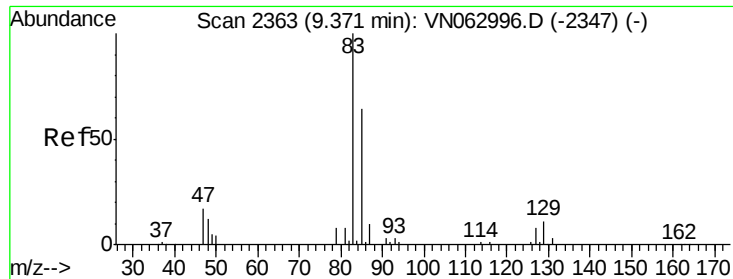
Tgt Ion: 63 Resp: 113245
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.6 38.4



#46
 Dibromomethane
 Concen: 55.159 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 93 Resp: 66573
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 107.8 84.6 127.0

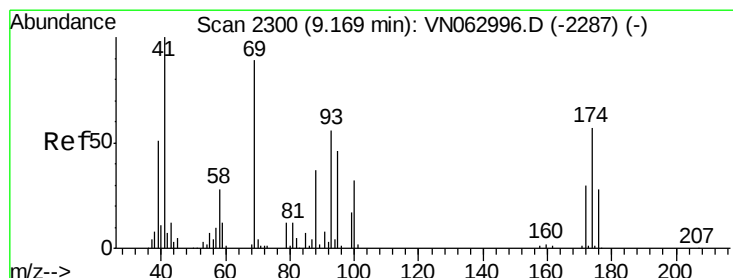
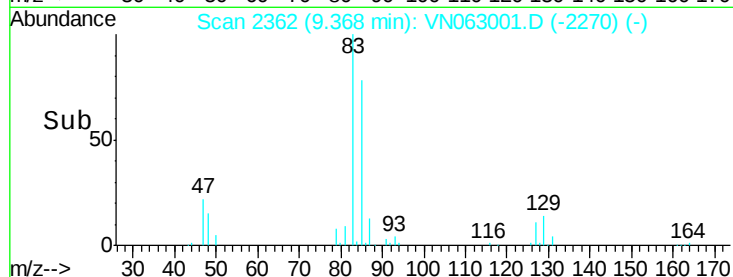
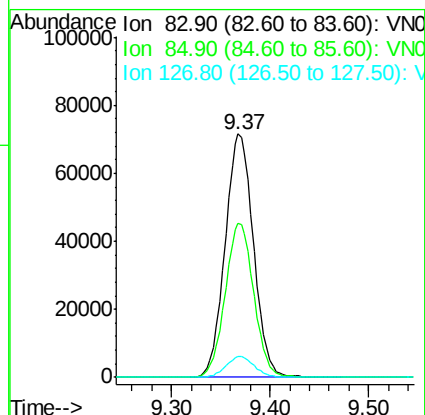
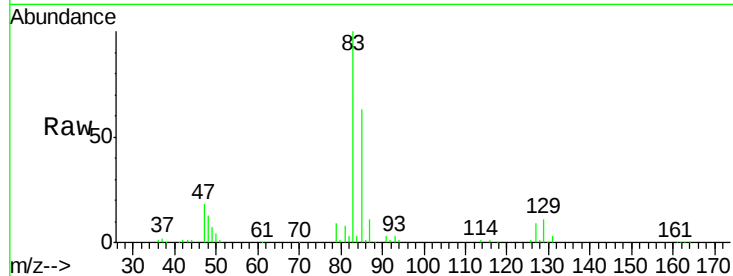




#47
 Bromodichloromethane
 Concen: 54.553 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

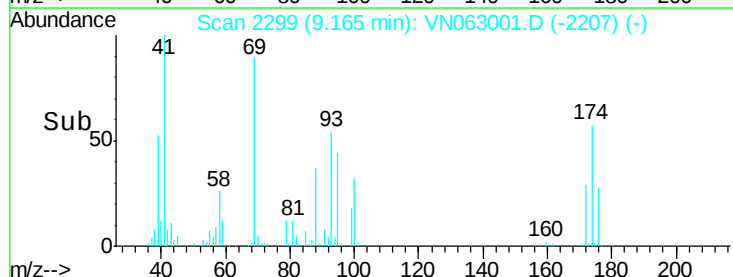
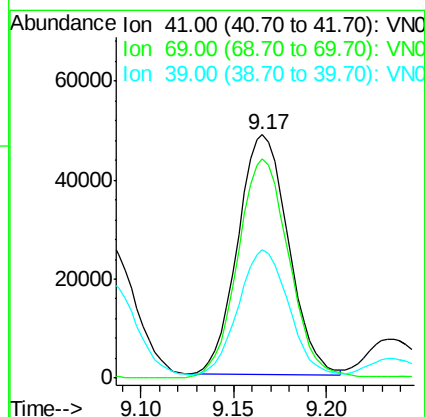
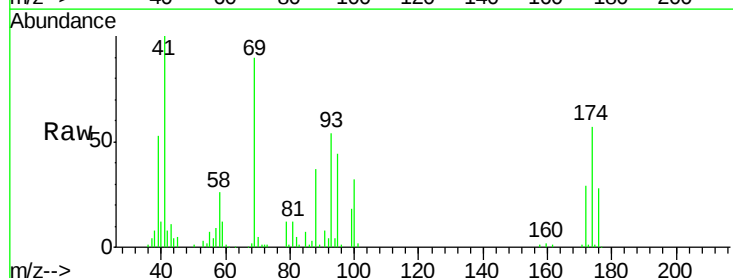
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

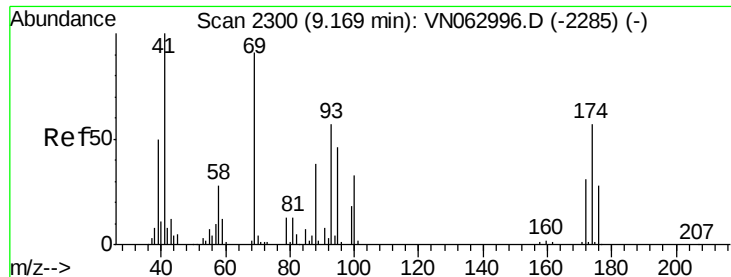
Tgt Ion: 83 Resp: 144209
 Ion Ratio Lower Upper
 83 100
 85 63.2 51.1 76.7
 127 8.6 6.6 9.8



#48
 Methyl methacrylate
 Concen: 54.909 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 41 Resp: 91905
 Ion Ratio Lower Upper
 41 100
 69 93.3 74.2 111.4
 39 51.4 42.5 63.7

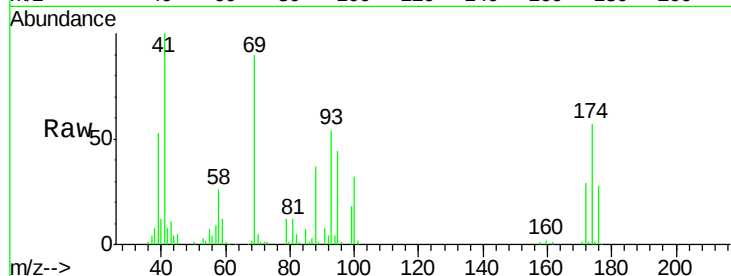




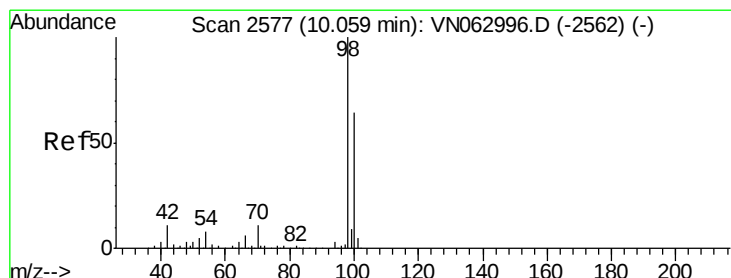
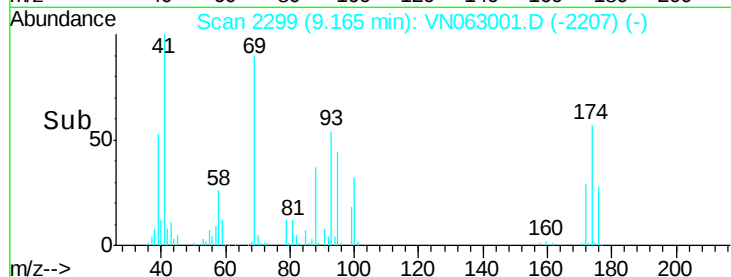
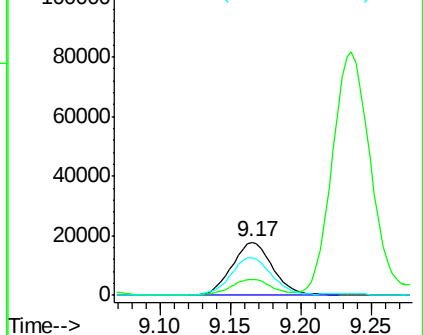
#49
 1,4-Dioxane
 Concen: 990.481 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 36476
 Ion Ratio Lower Upper
 88 100
 43 30.2 25.2 37.8
 58 71.2 56.7 85.1

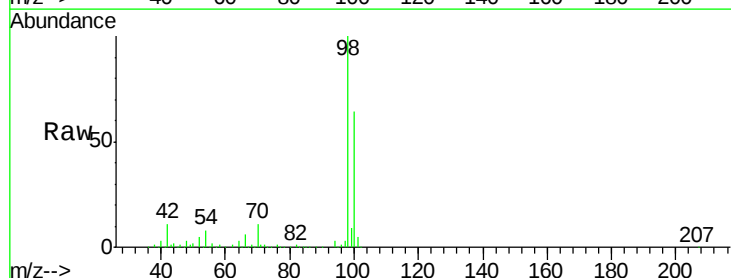


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

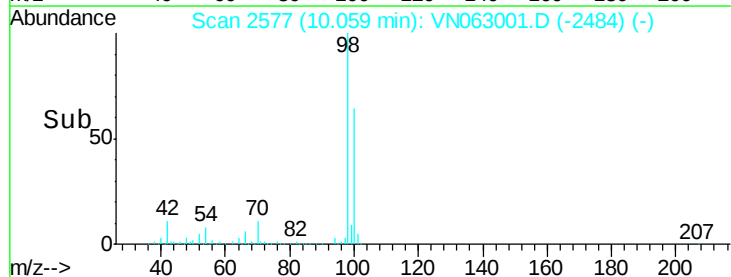
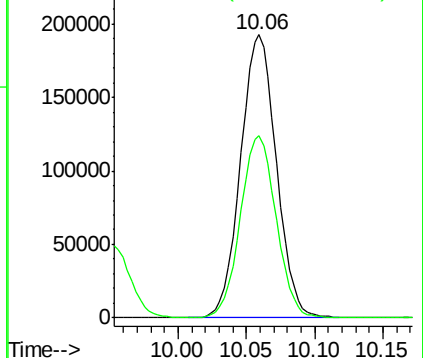


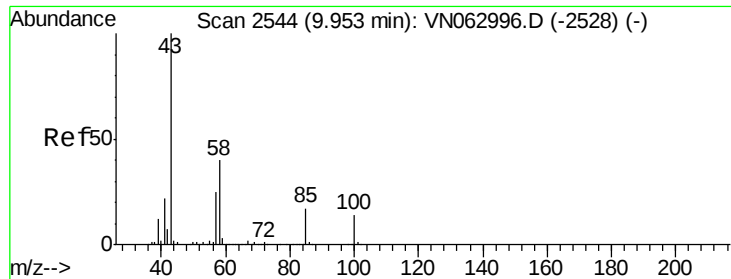
#50
 Toluene-d8
 Concen: 54.148 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 98 Resp: 350446
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8



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

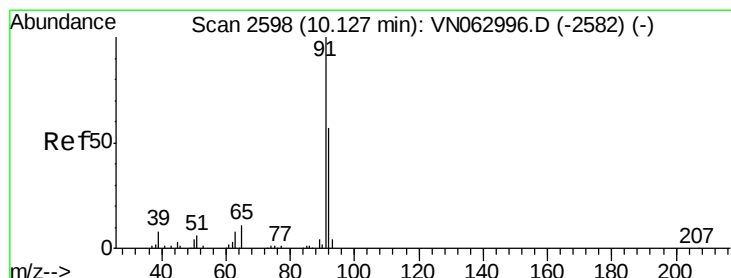
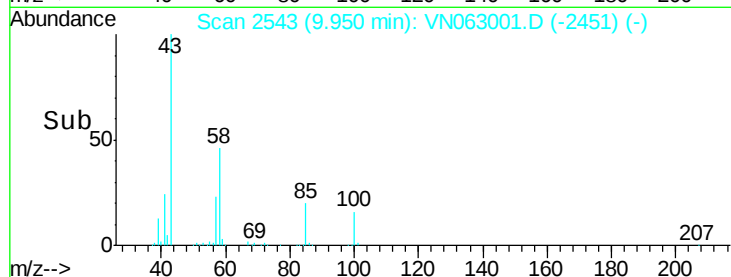
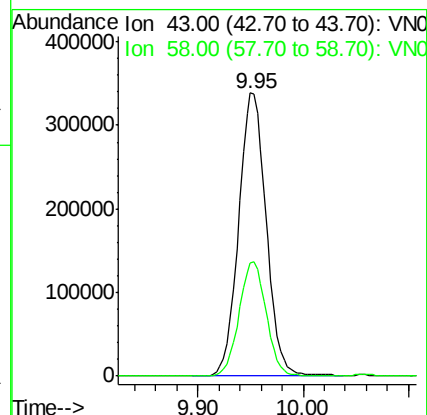
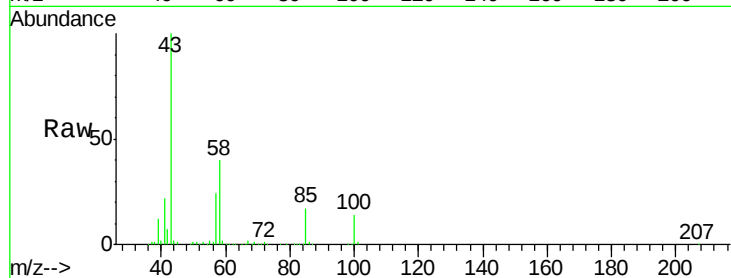




#51
 4-Methyl-2-Pentanone
 Concen: 274.139 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

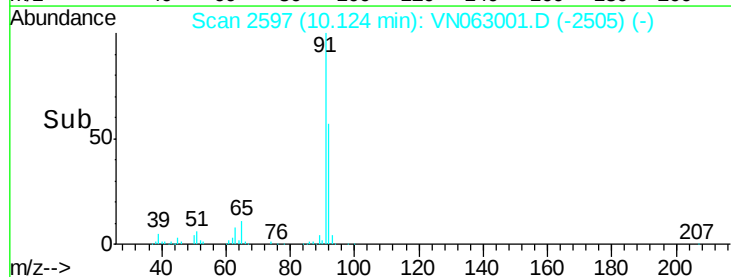
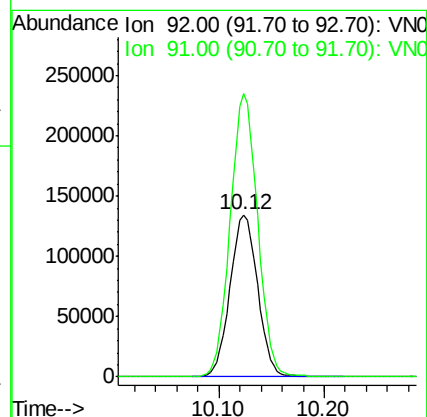
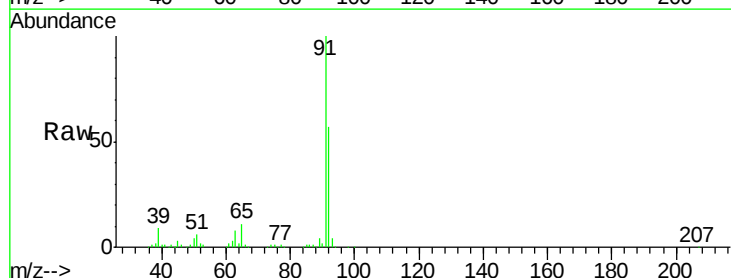
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

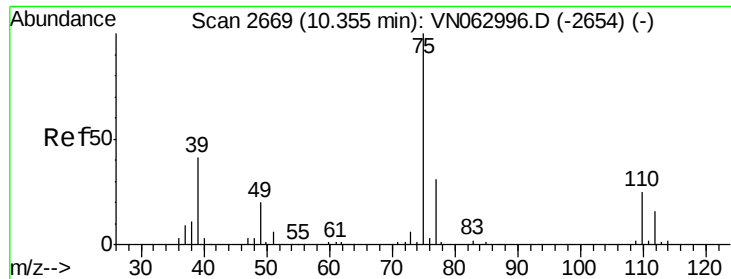
Tgt Ion: 43 Resp: 612980
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.2 48.2



#52
 Toluene
 Concen: 55.903 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 92 Resp: 243737
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 56.576 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

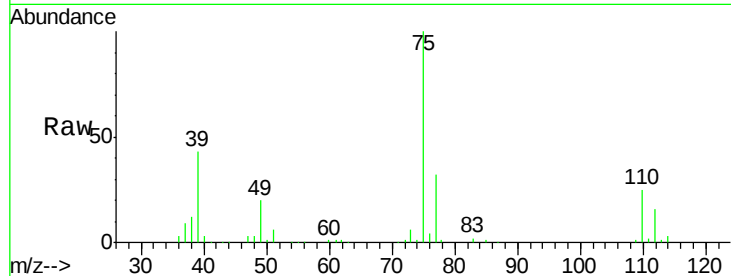
VSTDCCC050

Tgt Ion: 75 Resp: 154657

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

80000

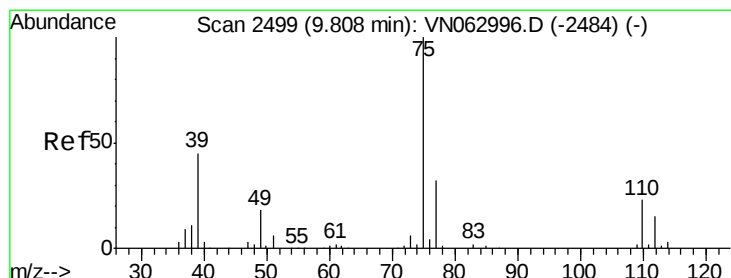
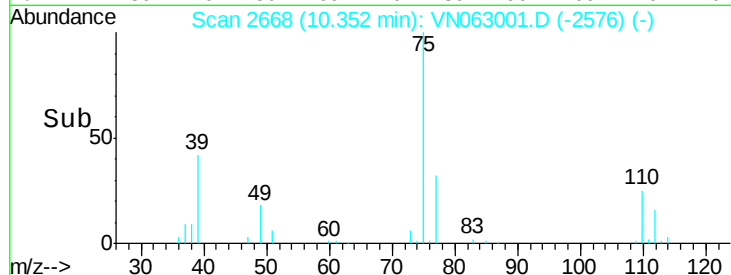
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.588 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

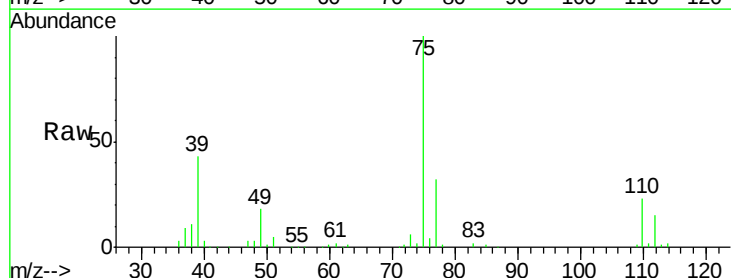
Tgt Ion: 75 Resp: 169695

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 43.4 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

120000

100000

80000

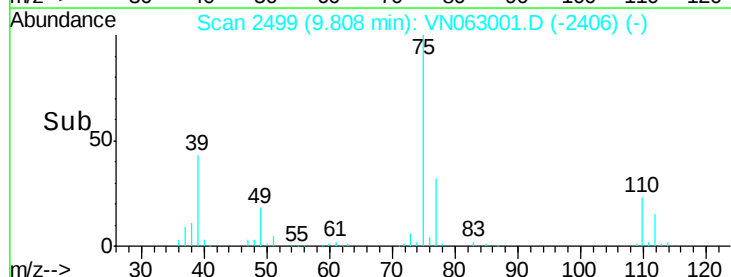
60000

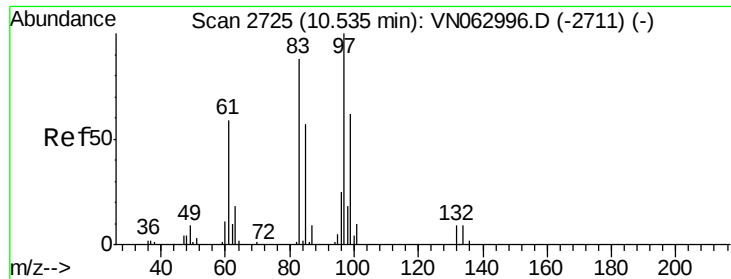
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 54.520 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 101639

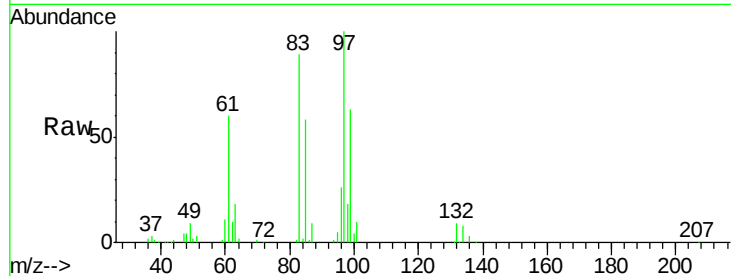
Ion Ratio Lower Upper

97 100

83 89.5 70.5 105.7

85 57.5 45.8 68.6

99 63.1 49.7 74.5



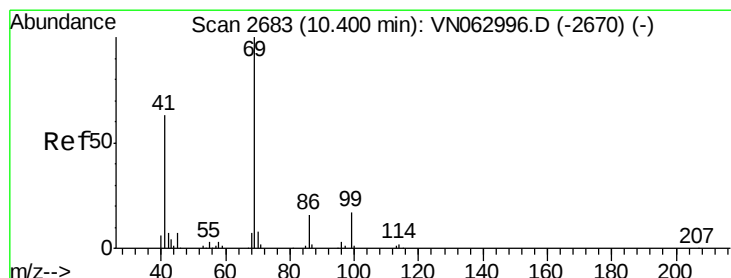
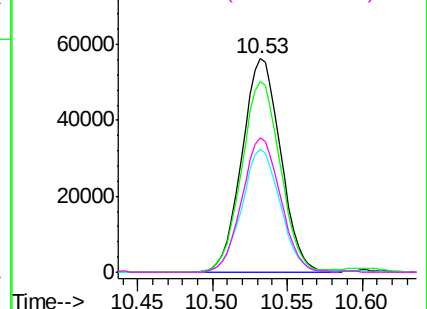
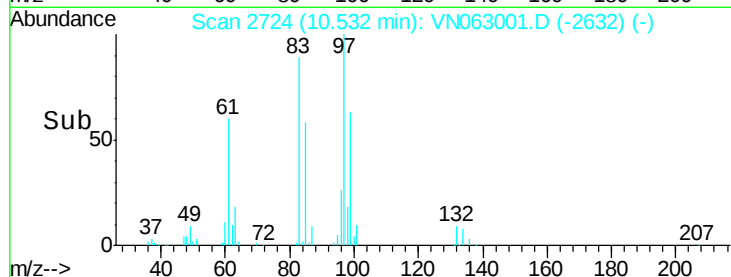
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.610 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

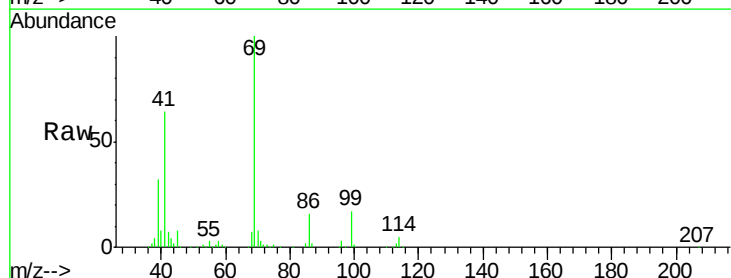
Tgt Ion: 69 Resp: 145786

Ion Ratio Lower Upper

69 100

41 63.9 50.2 75.2

39 31.7 24.2 36.4

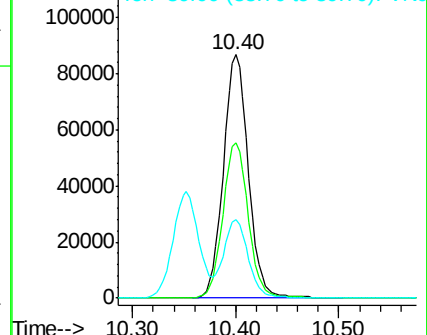
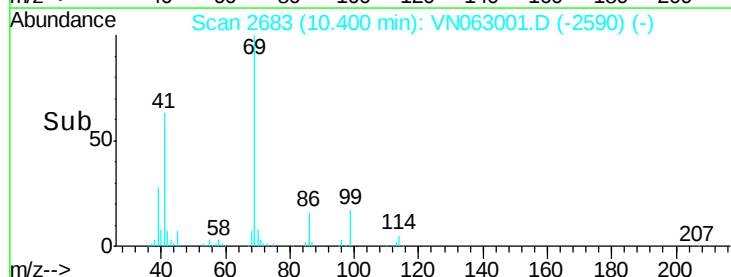


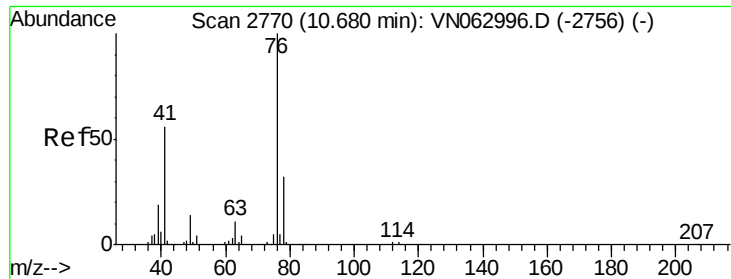
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.179 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampled :

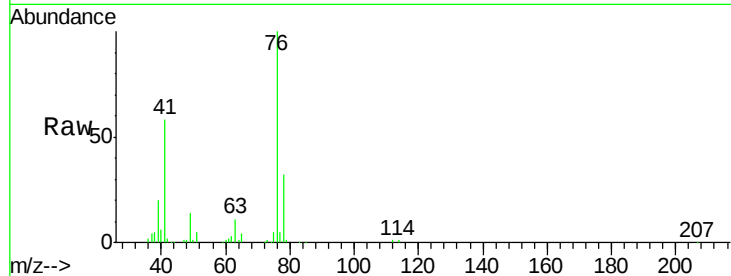
VSTDCCC050

Tgt Ion: 76 Resp: 170817

Ion Ratio Lower Upper

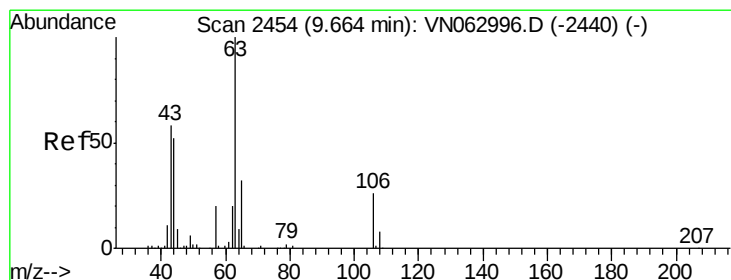
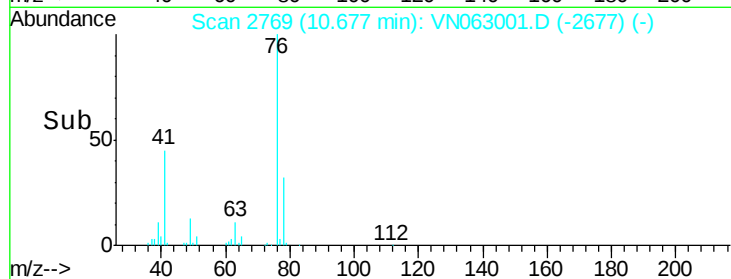
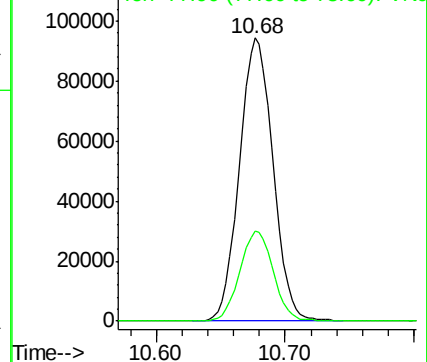
76 100

78 31.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 228.405 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063001.D

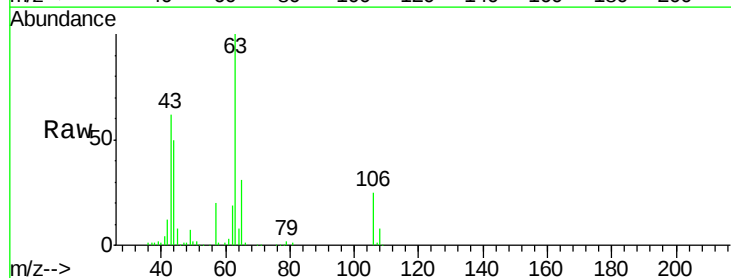
Acq: 19 Aug 2020 9:46

Tgt Ion: 63 Resp: 159110

Ion Ratio Lower Upper

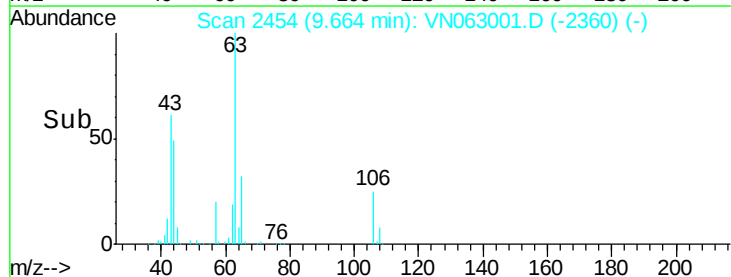
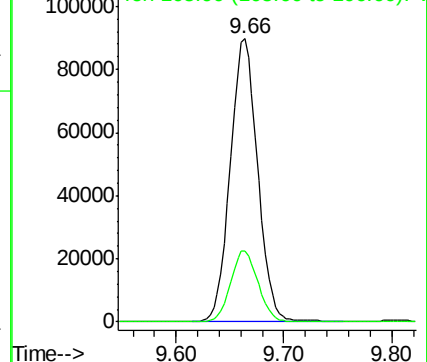
63 100

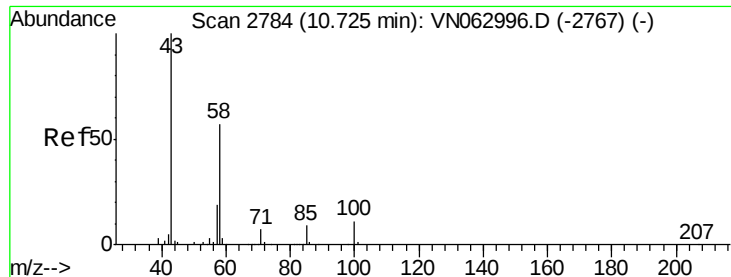
106 25.1 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

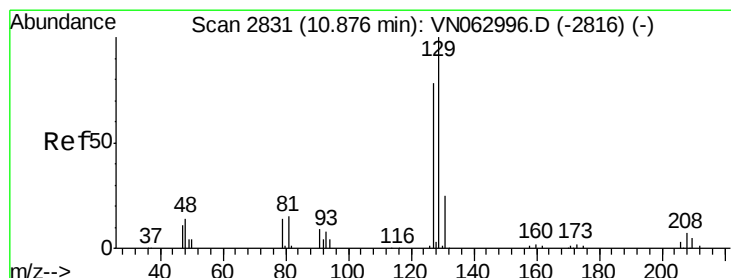
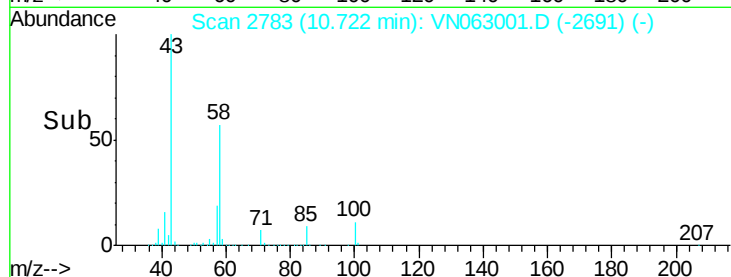
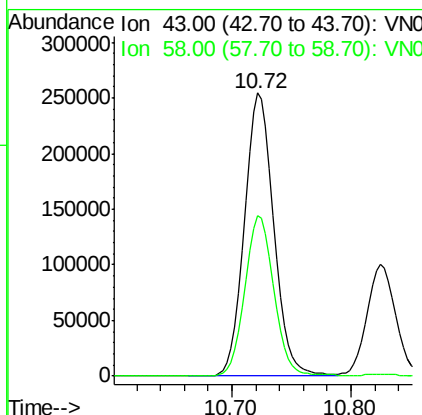
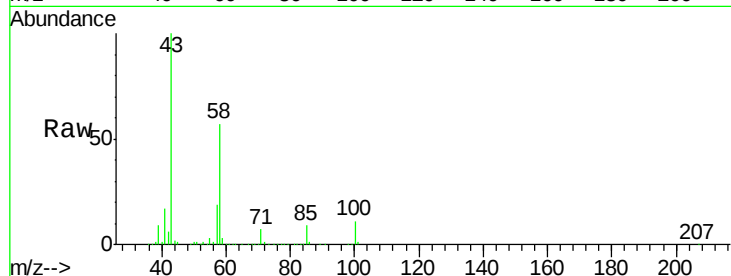




#59
2-Hexanone
Concen: 278.372 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

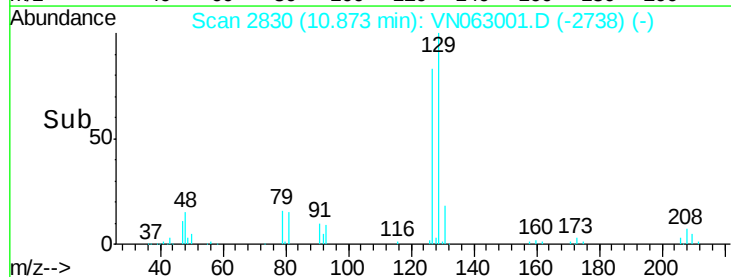
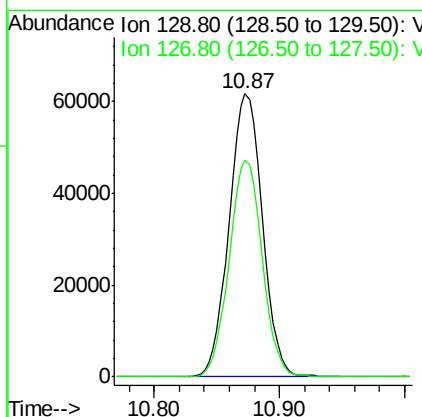
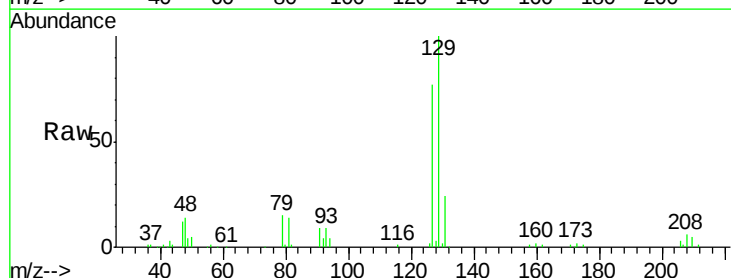
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

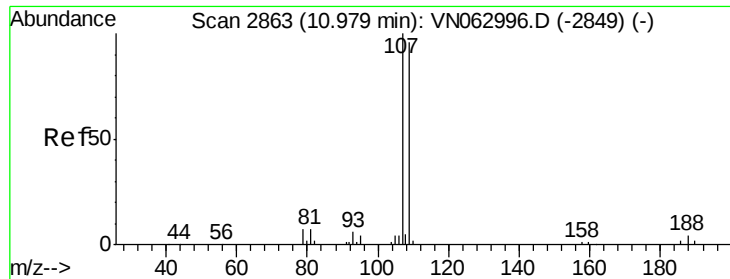
Tgt Ion: 43 Resp: 434170
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3



#60
Dibromochloromethane
Concen: 55.157 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 129 Resp: 113796
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.2

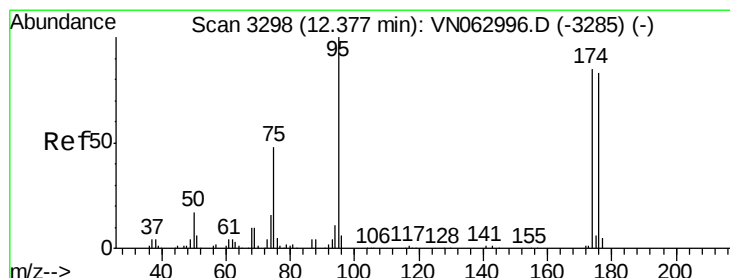
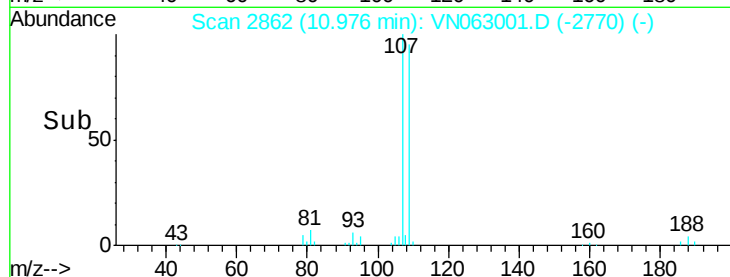
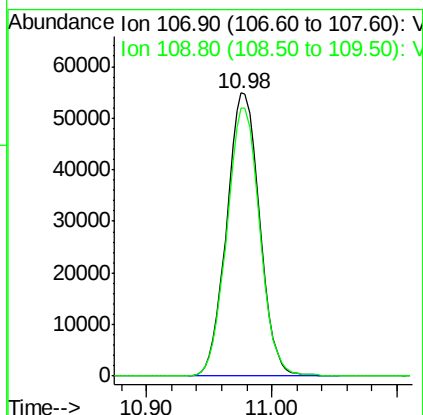
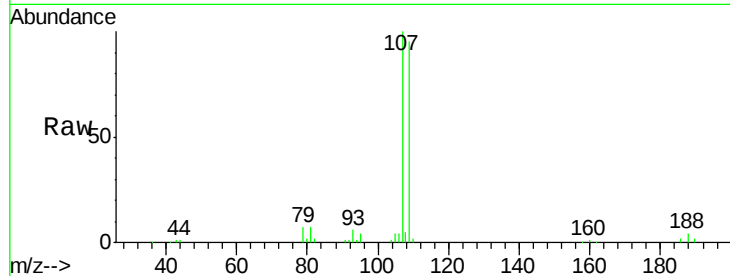




#61
 1,2-Dibromoethane
 Concen: 55.816 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

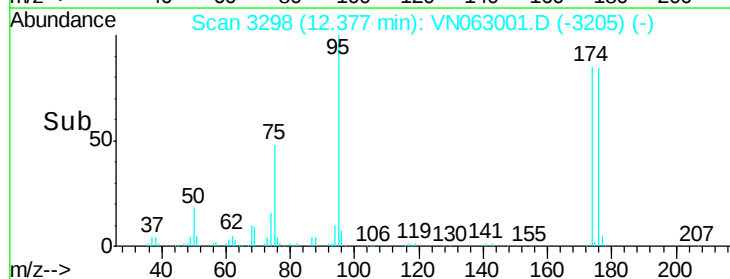
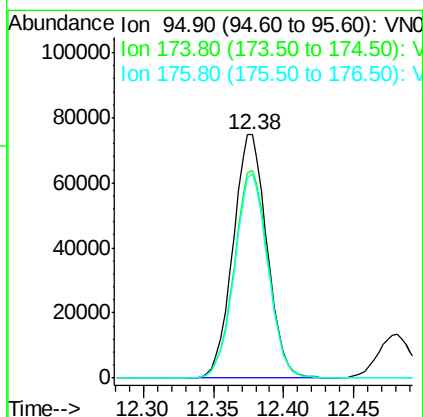
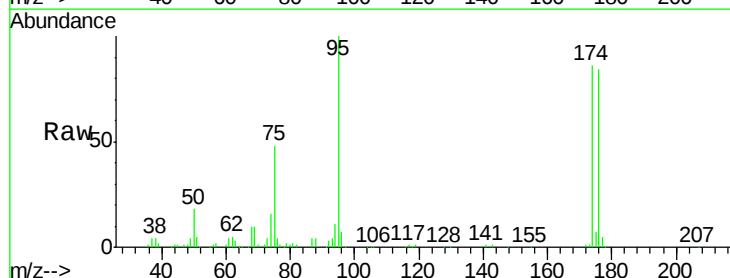
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

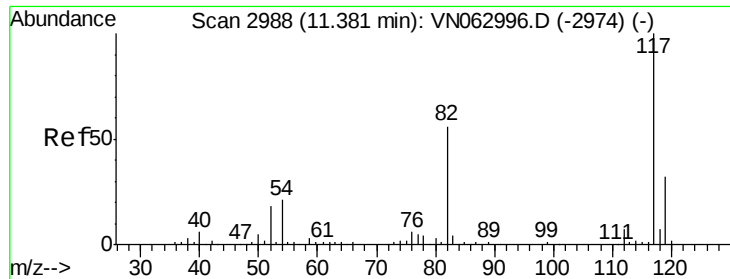
Tgt Ion: 107 Resp: 99984
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.126 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 95 Resp: 125901
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 170.8
 176 82.4 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

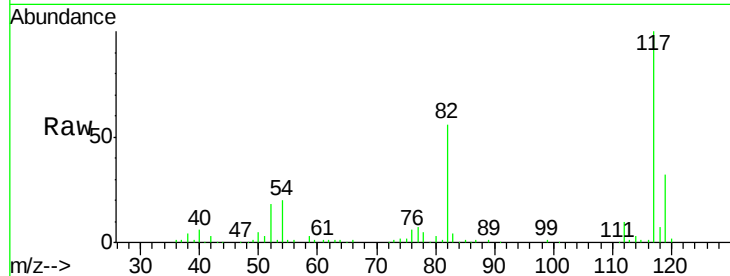
Tgt Ion:117 Resp: 250411

Ion Ratio Lower Upper

117 100

82 55.5 44.5 66.7

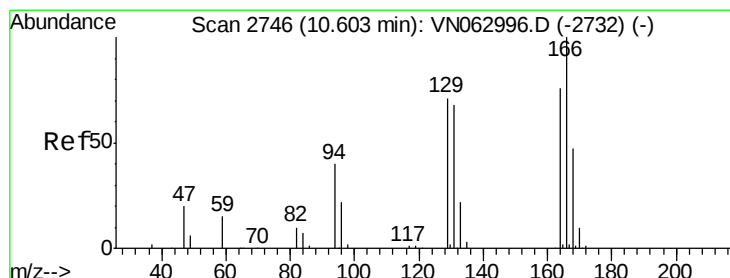
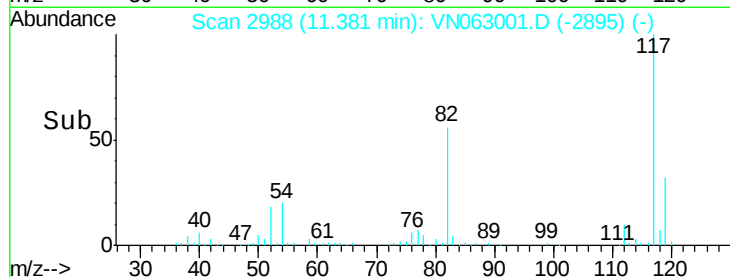
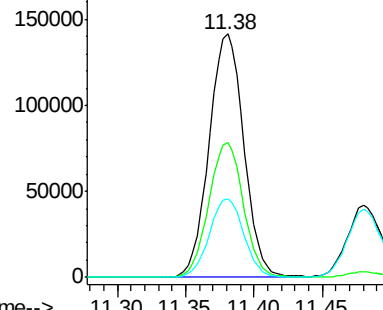
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.225 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:164 Resp: 85965

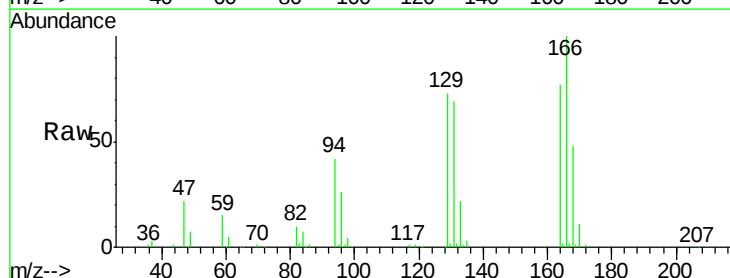
Ion Ratio Lower Upper

164 100

166 129.3 105.0 157.6

129 94.3 74.7 112.1

131 89.4 71.0 106.4

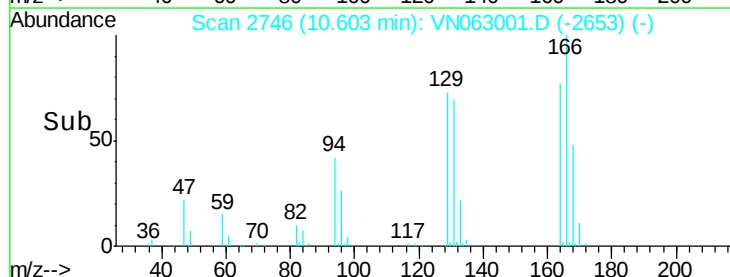
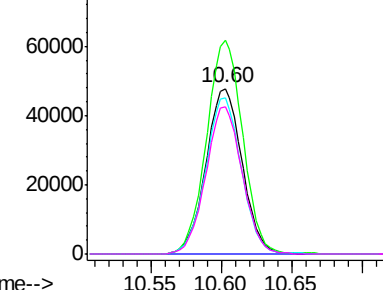


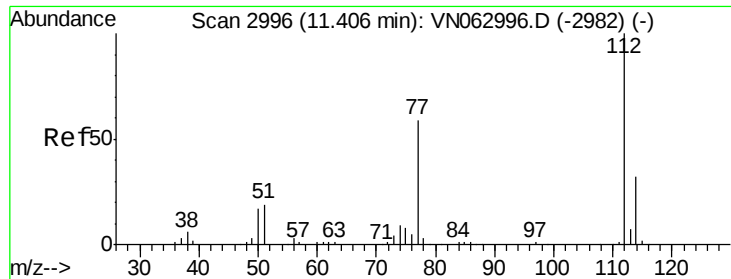
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

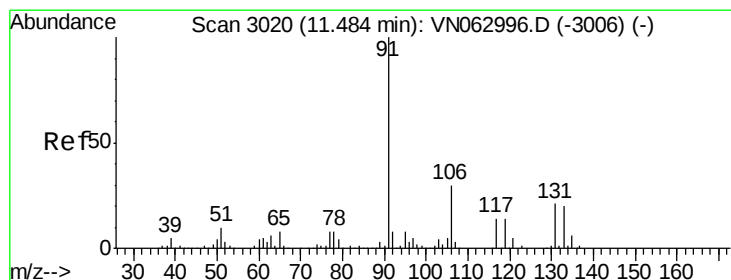
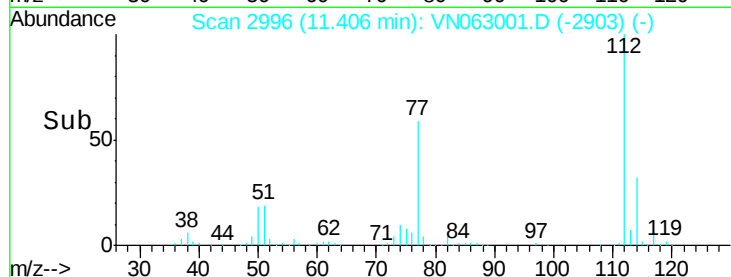
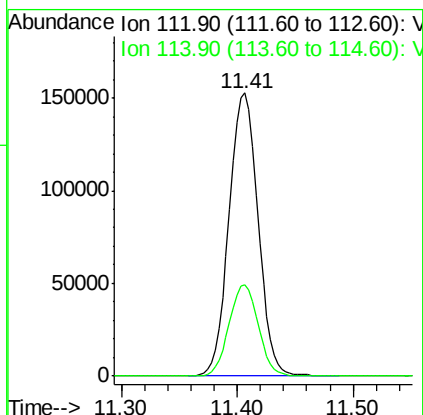
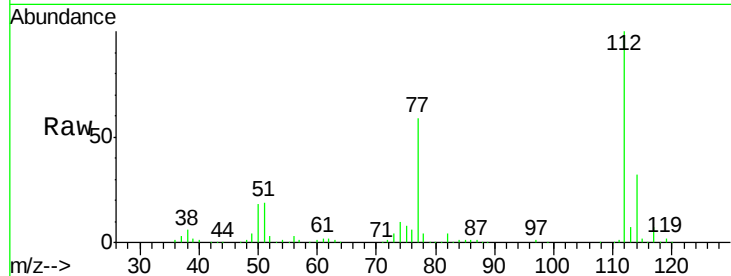




#65
Chlorobenzene
Concen: 52.764 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

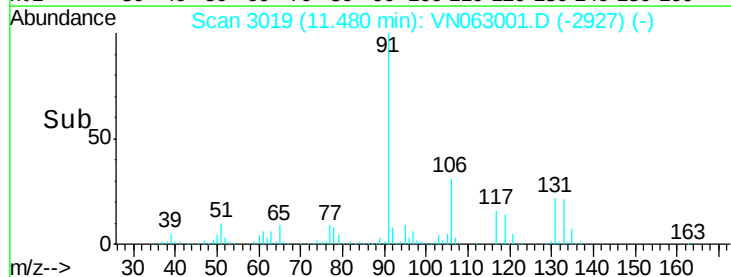
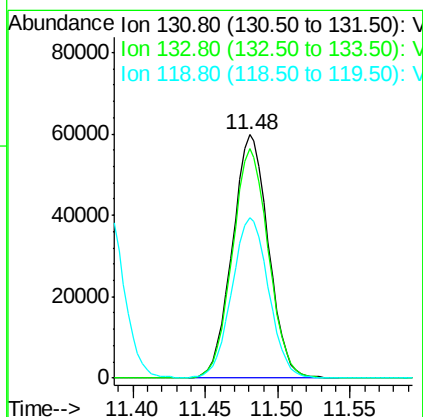
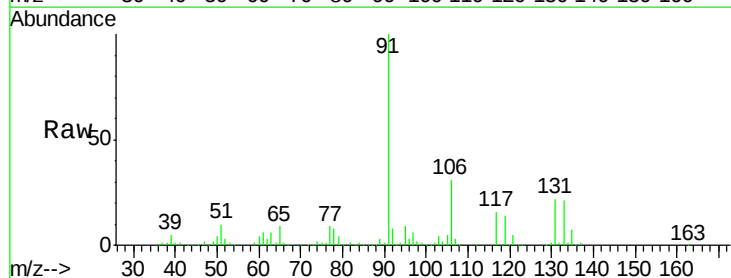
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

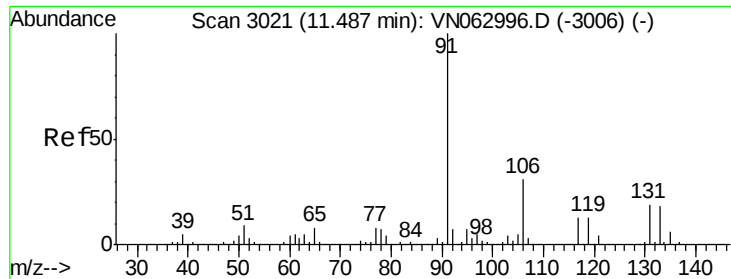
Tgt Ion:112 Resp: 265361
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.909 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion:131 Resp: 103497
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.6
119 67.2 33.1 99.3

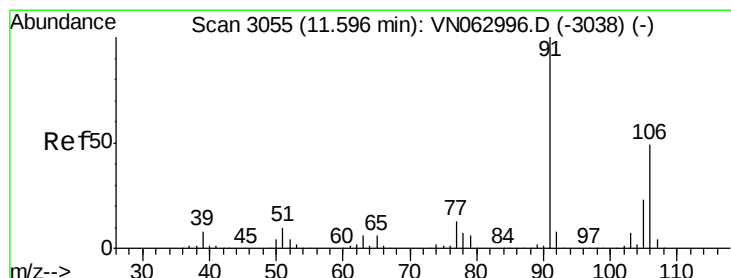
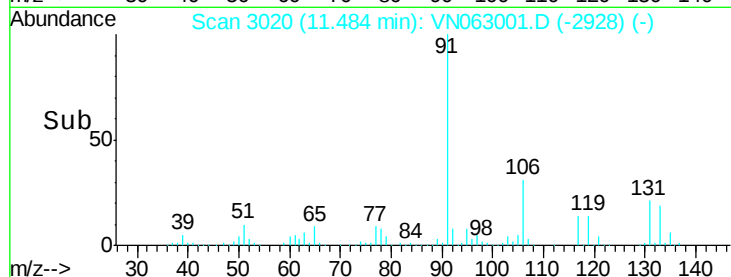
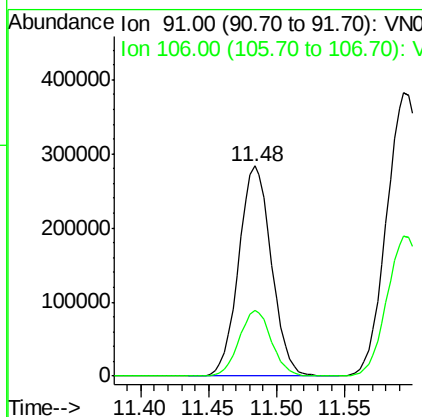
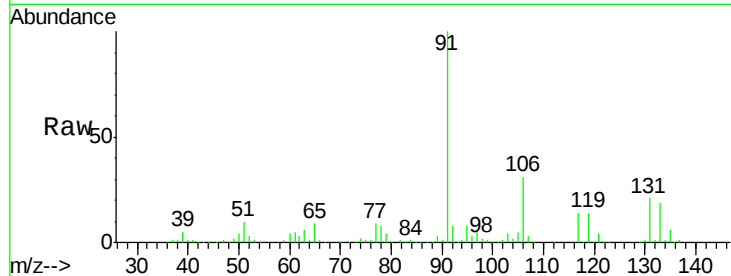




#67
Ethyl Benzene
Concen: 55.601 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

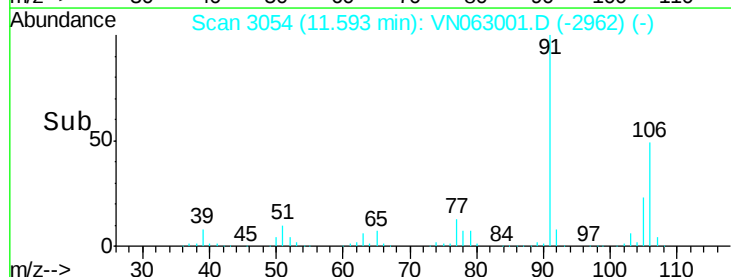
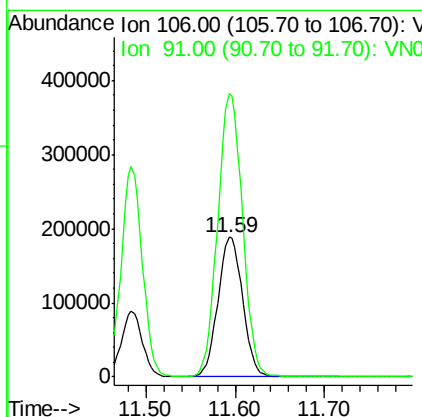
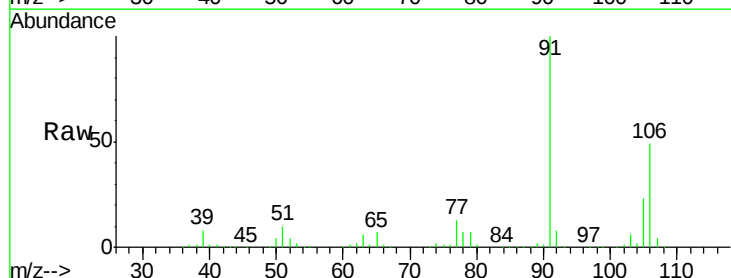
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

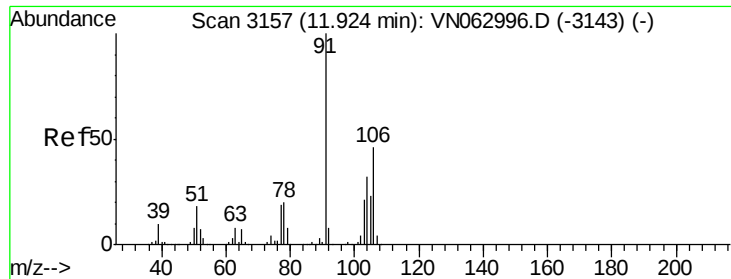
Tgt Ion: 91 Resp: 472489
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0



#68
m/p-Xylenes
Concen: 114.579 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 106 Resp: 361882
Ion Ratio Lower Upper
106 100
91 203.5 163.0 244.4

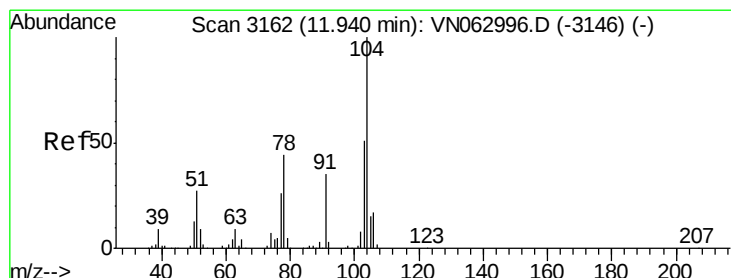
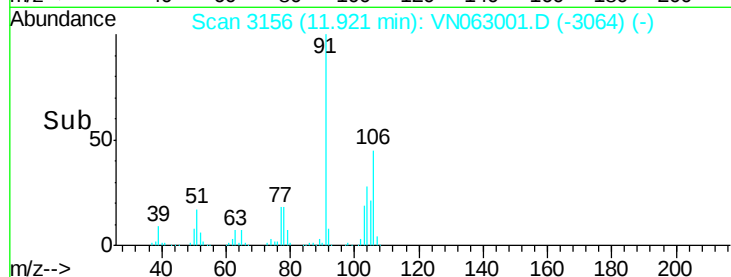
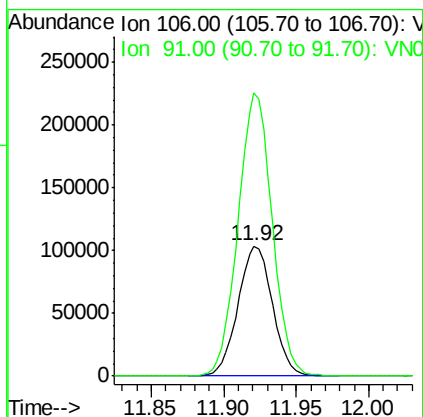
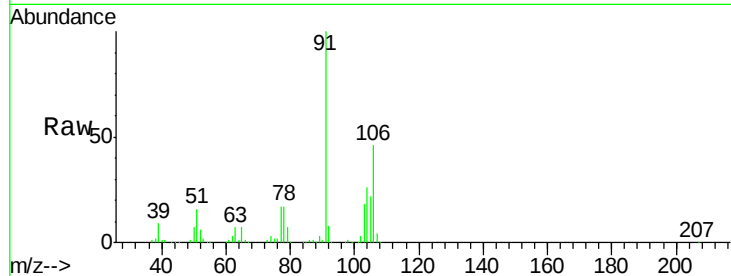




#69
o-Xylene
Concen: 56.413 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

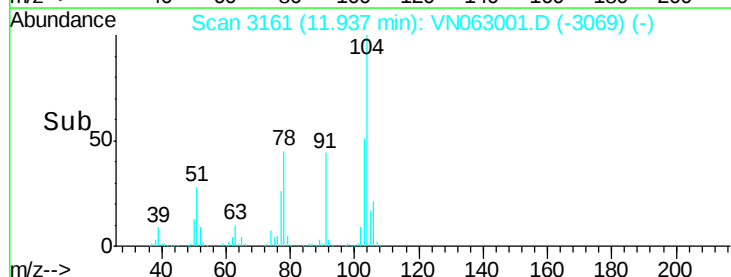
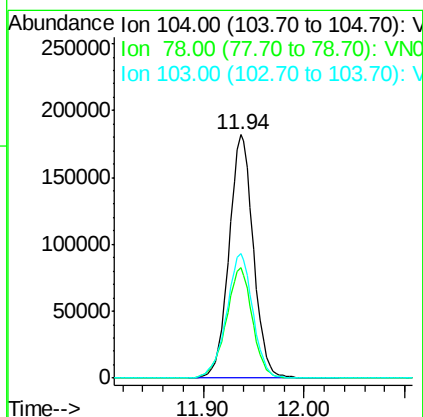
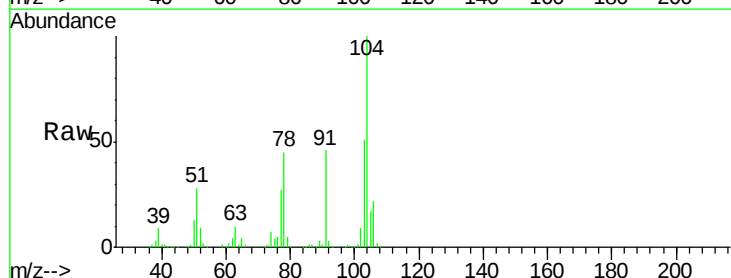
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

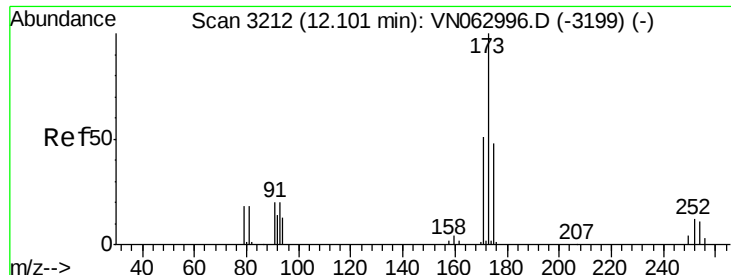
Tgt Ion:106 Resp: 171096
Ion Ratio Lower Upper
106 100
91 216.6 107.3 321.9



#70
Styrene
Concen: 50.928 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion:104 Resp: 306747
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 55.1 44.3 66.5





#71

Bromoform

Concen: 53.832 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

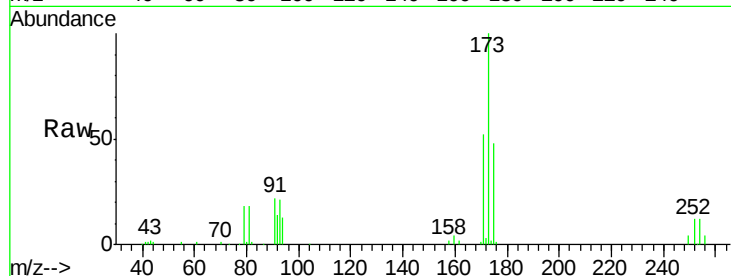
Tgt Ion:173 Resp: 83817

Ion Ratio Lower Upper

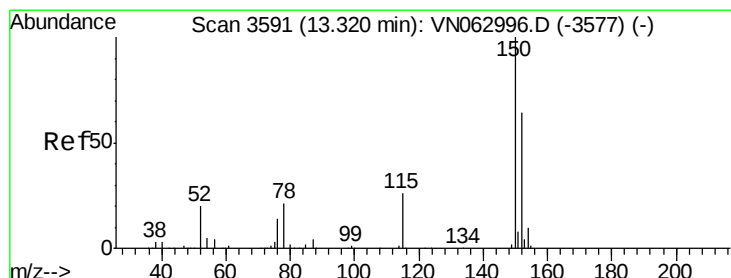
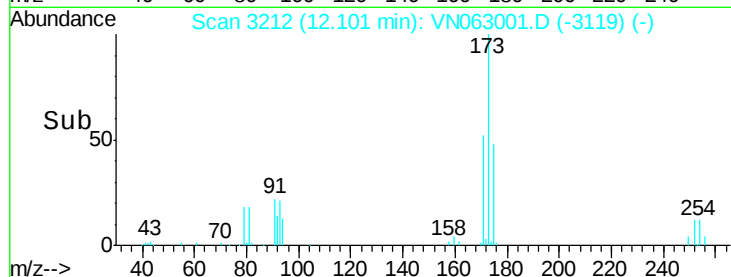
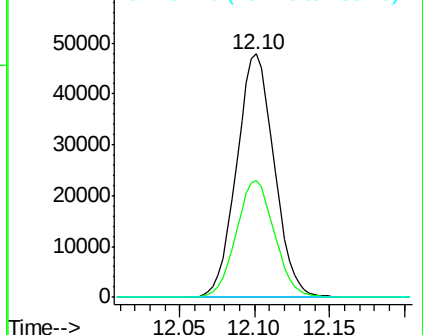
173 100

175 48.5 24.3 72.8

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: VN063001.D

Acq: 19 Aug 2020 9:46

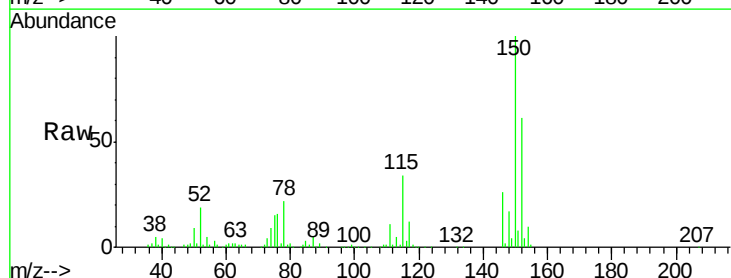
Tgt Ion:152 Resp: 124211

Ion Ratio Lower Upper

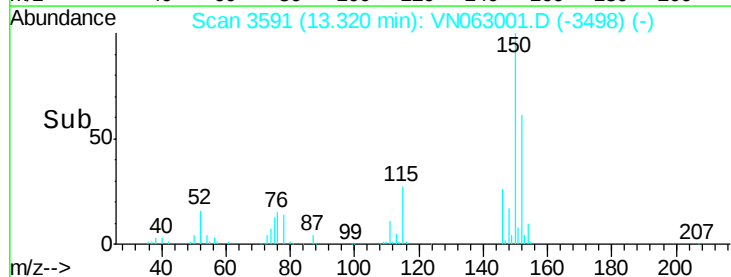
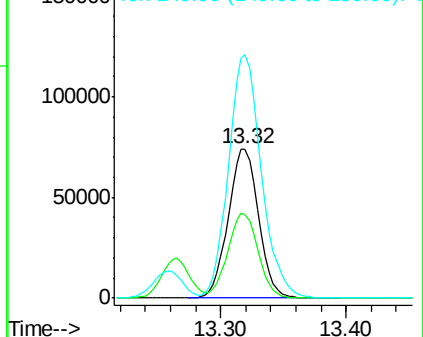
152 100

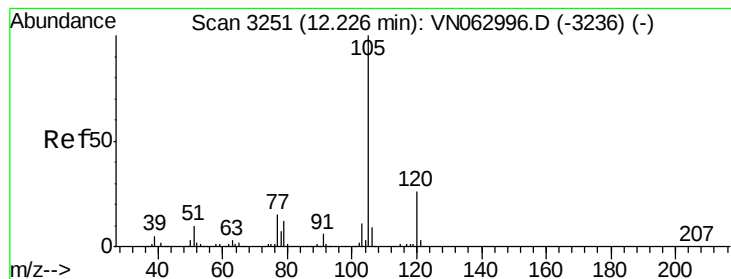
115 57.2 28.7 86.3

150 176.3 0.0 348.8



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: 55.121 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

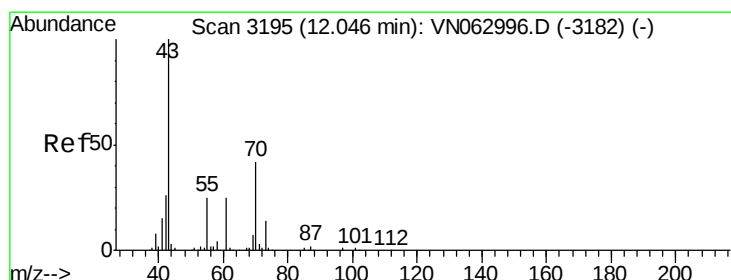
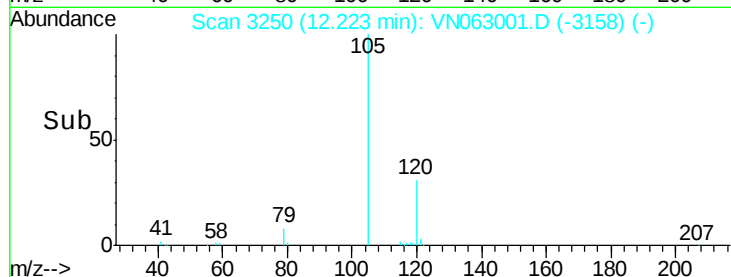
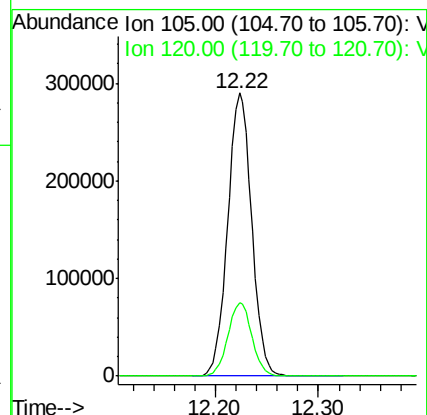
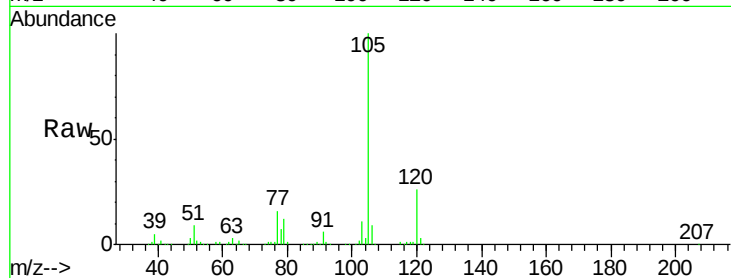
VSTDCCC050

Tgt Ion: 105 Resp: 468862

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#74

N-ethyl acetate

Concen: 56.054 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion: 43 Resp: 170765

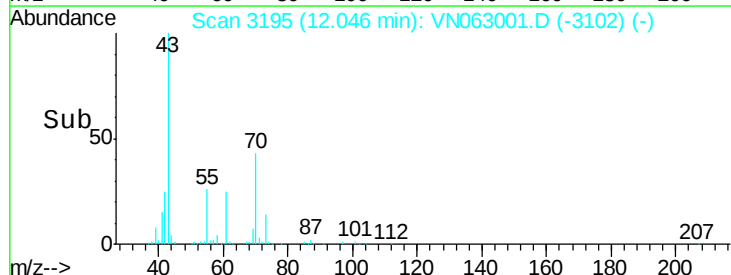
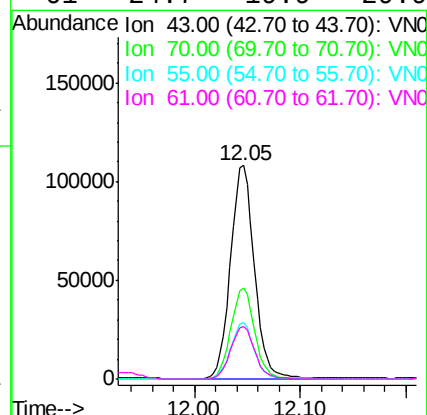
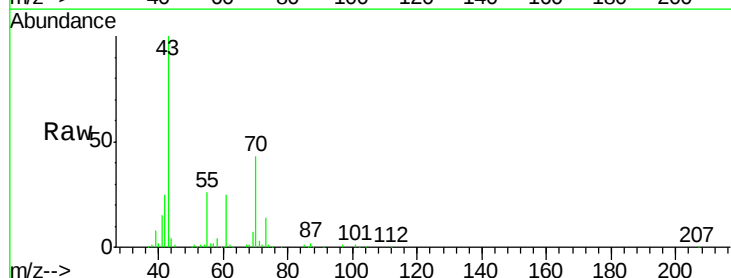
Ion Ratio Lower Upper

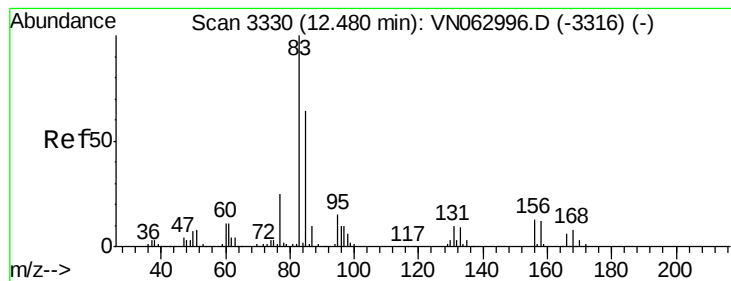
43 100

70 42.2 33.4 50.0

55 25.9 20.2 30.2

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.104 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

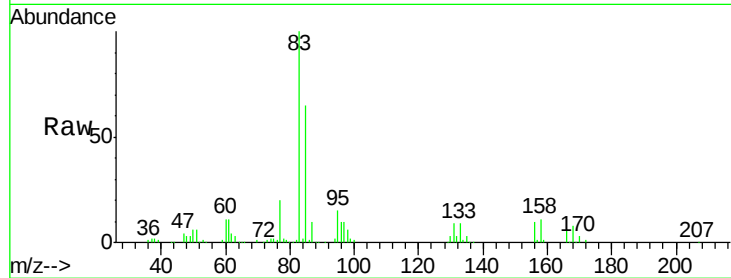
Tgt Ion: 83 Resp: 148126

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 64.3 31.9 95.5



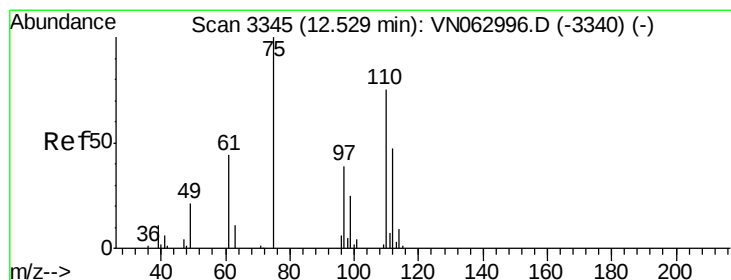
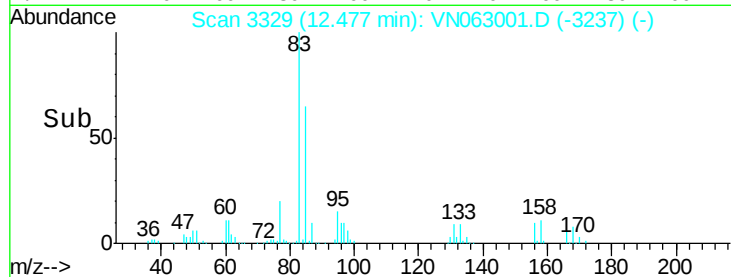
Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN062996.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-3316) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 75.970 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN063001.D

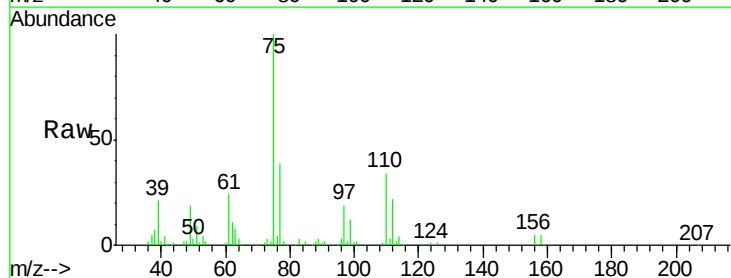
Acq: 19 Aug 2020 9:46

Tgt Ion: 75 Resp: 183420

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

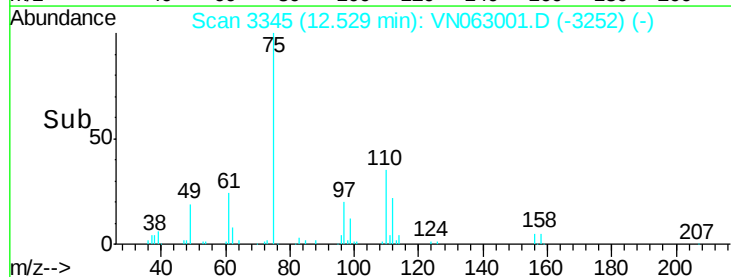


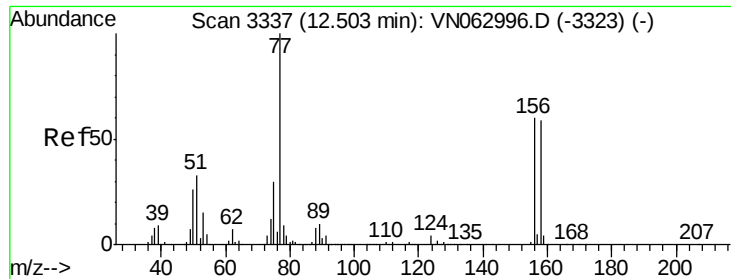
Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062996.D (-3340) (-)

12.53

Time-->

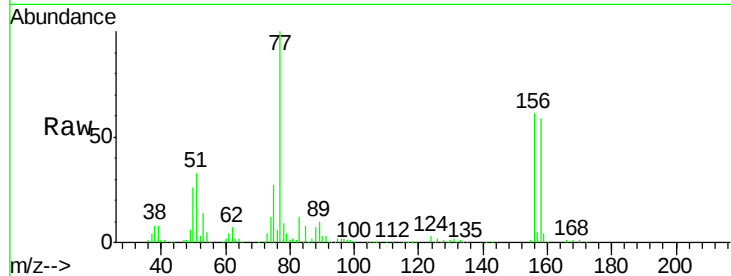




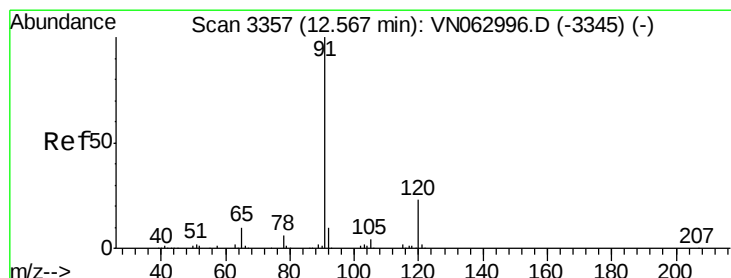
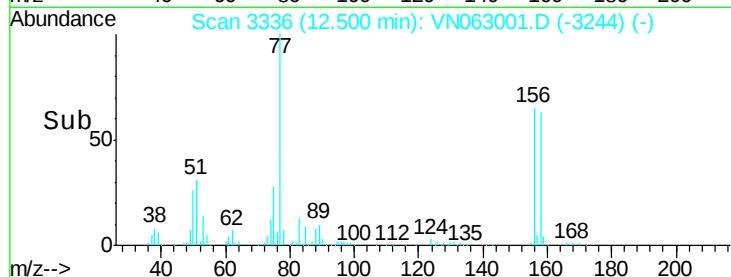
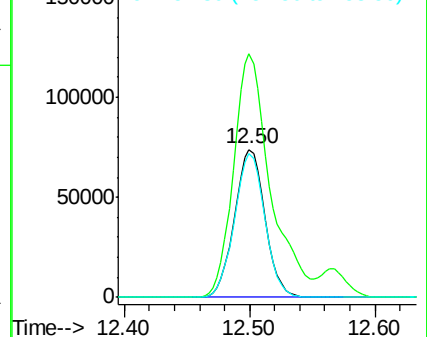
#77
Bromobenzene
Concen: 53.284 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 124653
Ion Ratio Lower Upper
156 100
77 199.3 101.0 302.9
158 97.0 49.4 148.0

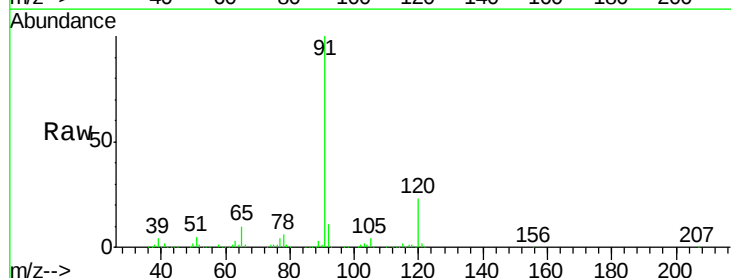


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

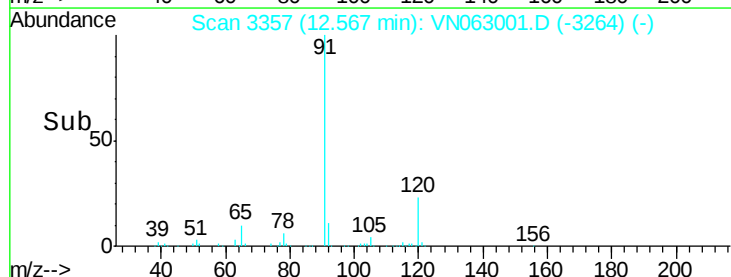
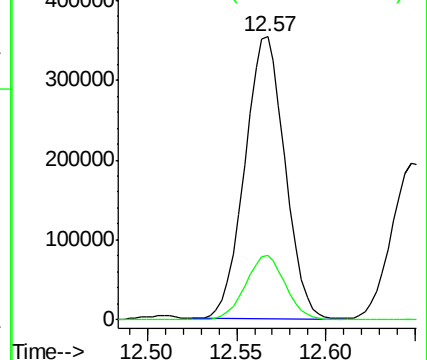


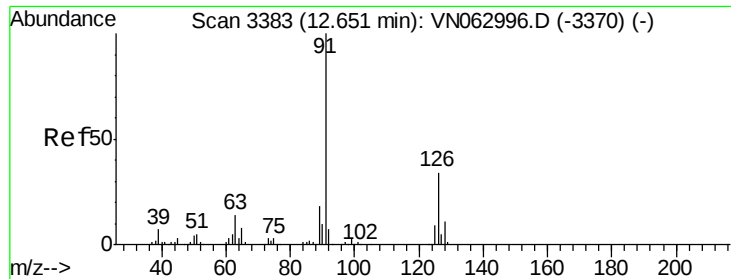
#78
n-propylbenzene
Concen: 57.262 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 91 Resp: 555172
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.744 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

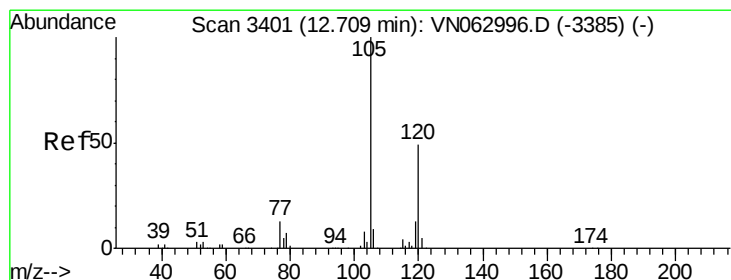
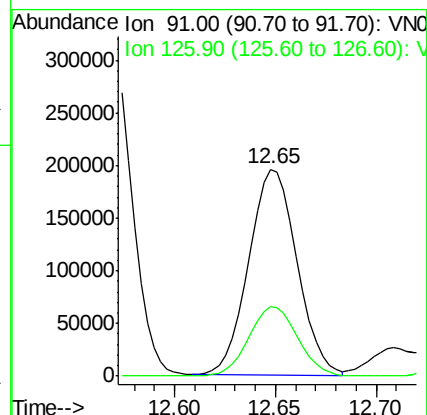
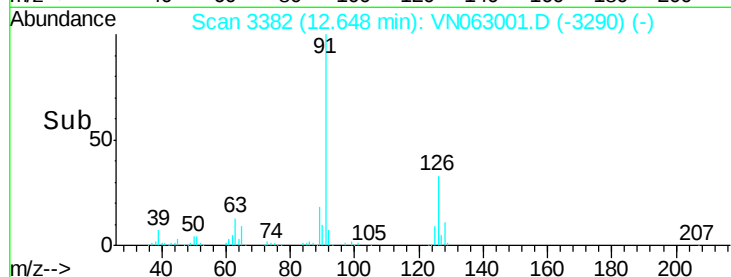
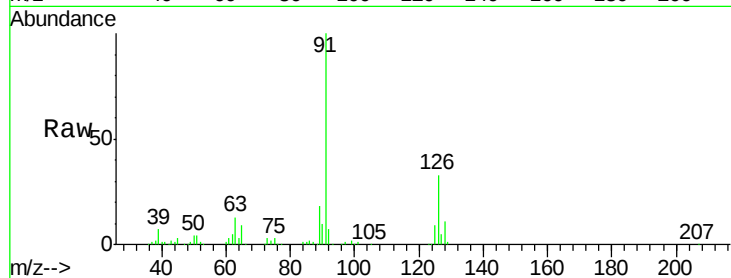
VSTDCCC050

Tgt Ion: 91 Resp: 327745

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 57.437 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063001.D

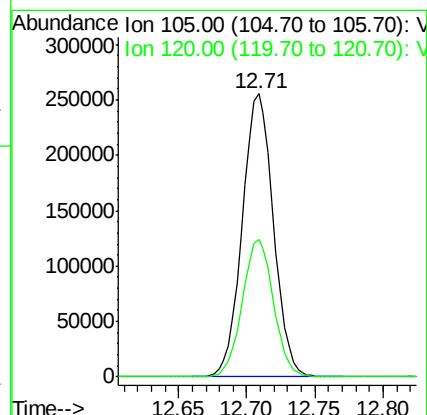
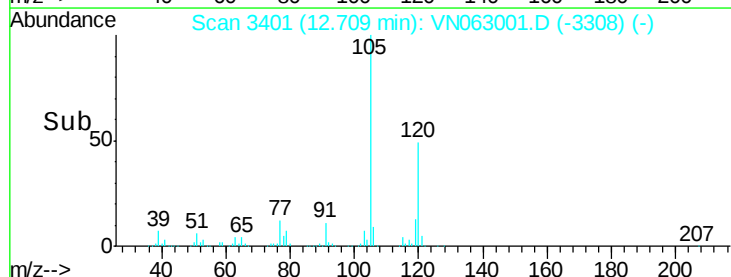
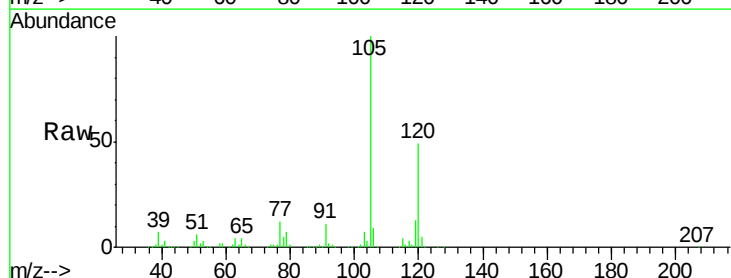
Acq: 19 Aug 2020 9:46

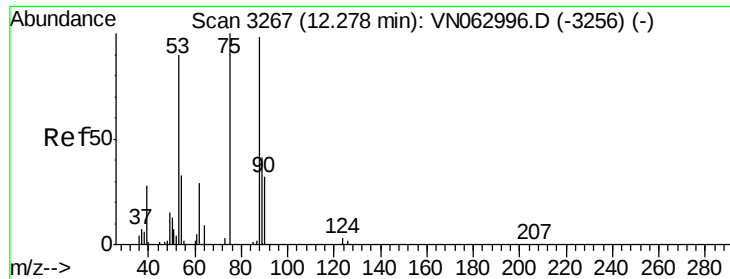
Tgt Ion: 105 Resp: 403871

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.835 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

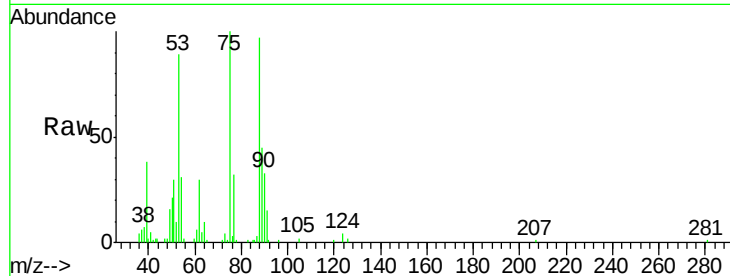
Tgt Ion: 75 Resp: 48205

Ion Ratio Lower Upper

75 100

53 87.8 69.2 103.8

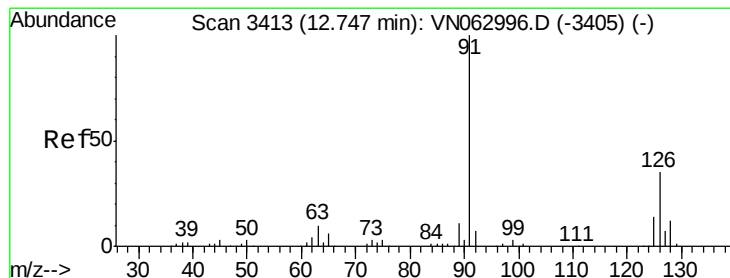
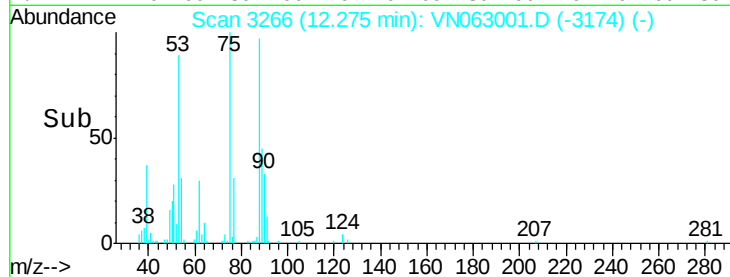
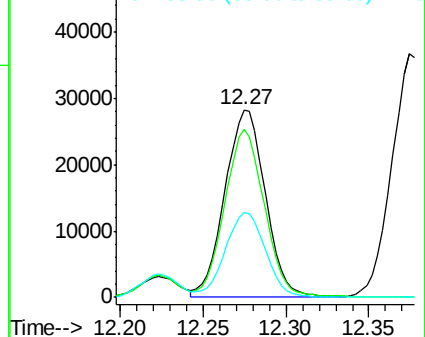
89 44.6 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062996.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062996.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 55.548 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN063001.D

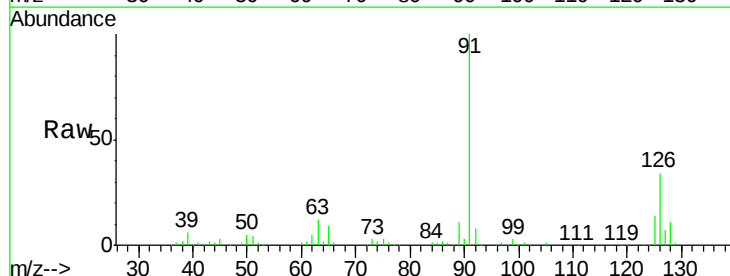
Acq: 19 Aug 2020 9:46

Tgt Ion: 91 Resp: 344930

Ion Ratio Lower Upper

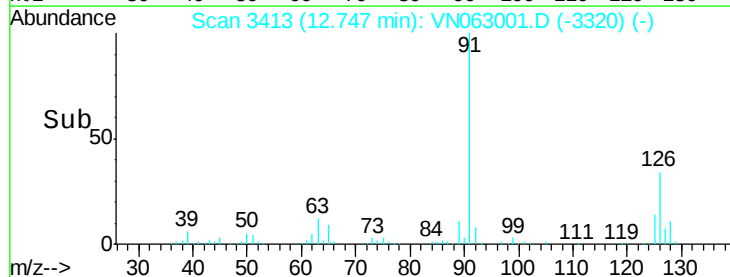
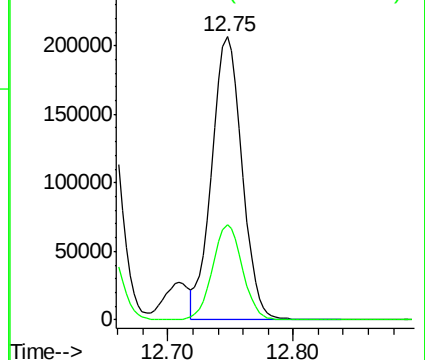
91 100

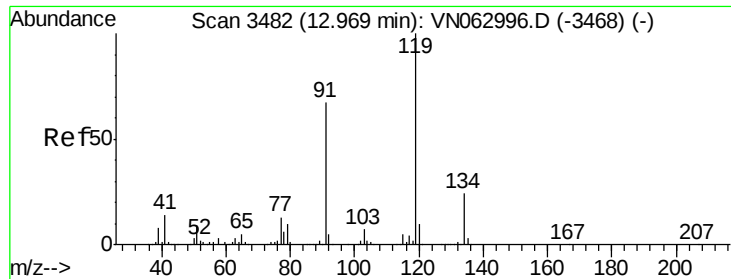
126 33.4 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3405) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3405) (-)

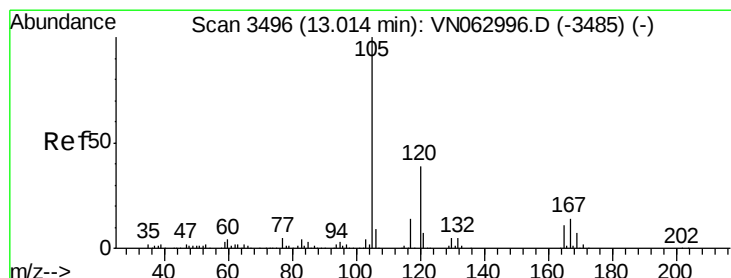
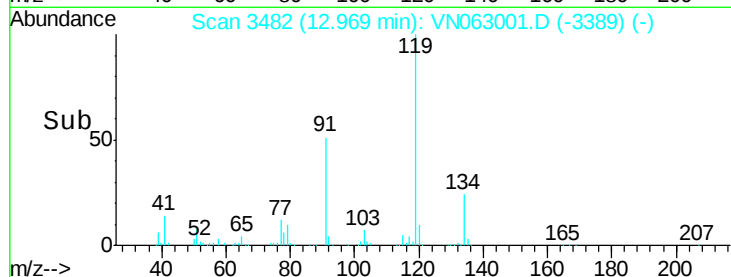
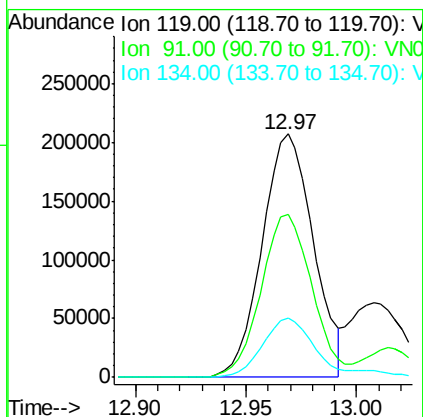
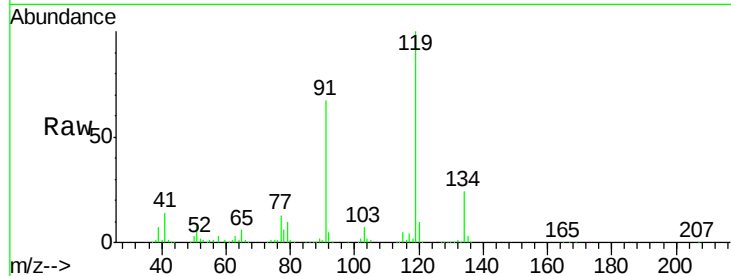




#83
 tert-Butylbenzene
 Concen: 55.142 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

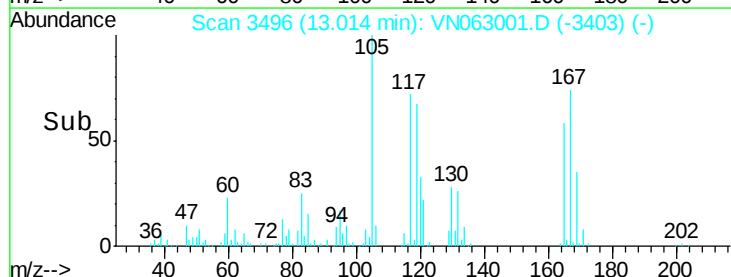
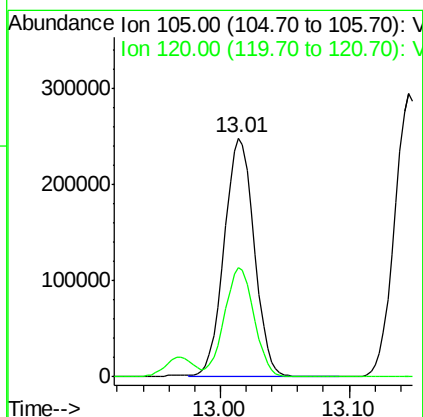
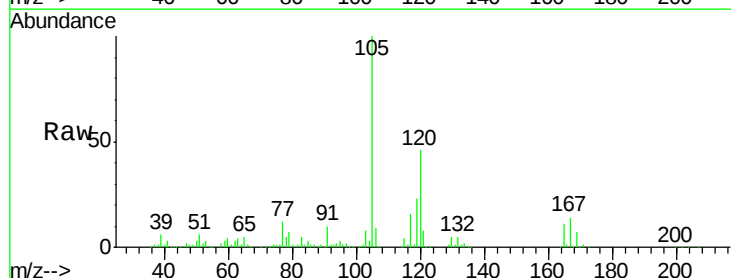
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

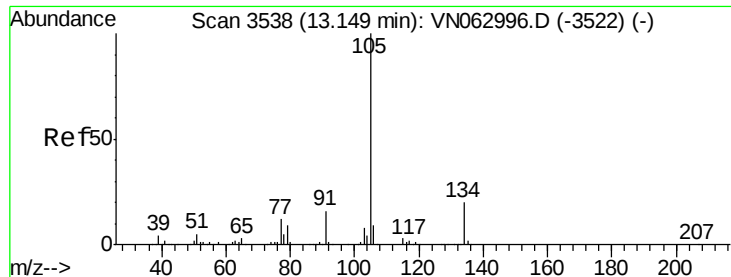
Tgt Ion:119 Resp: 334653
 Ion Ratio Lower Upper
 119 100
 91 66.6 32.5 97.4
 134 24.3 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 58.197 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion:105 Resp: 398654
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.5 67.5

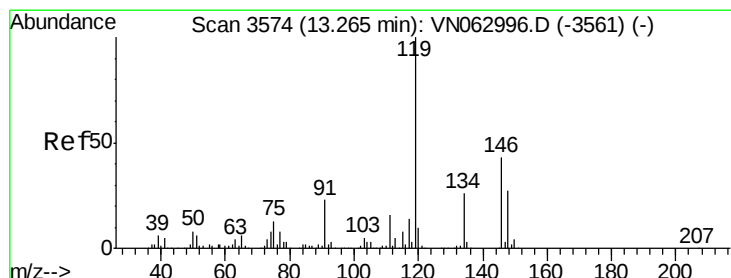
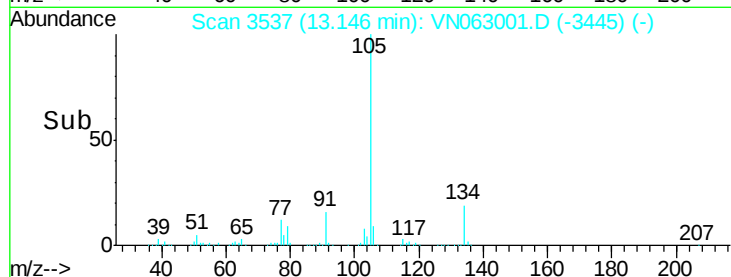
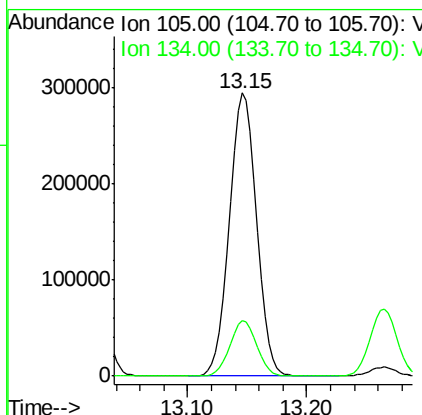
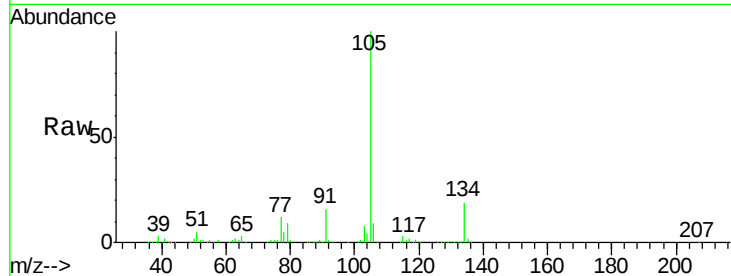




#85
 sec-Butylbenzene
 Concen: 56.702 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

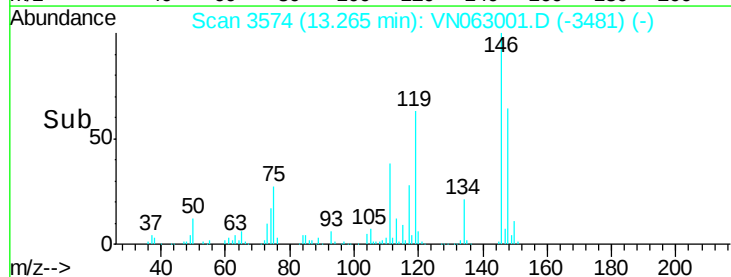
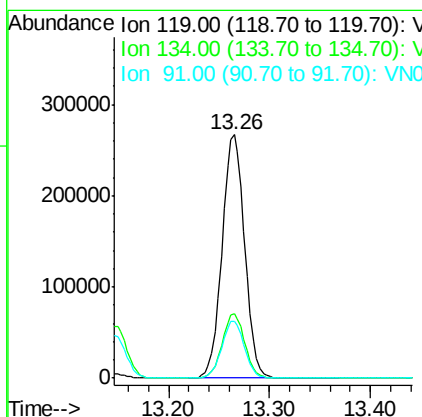
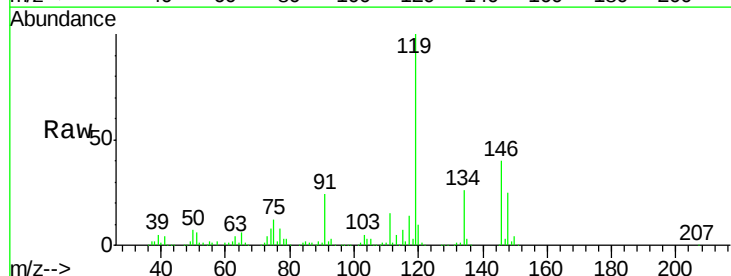
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

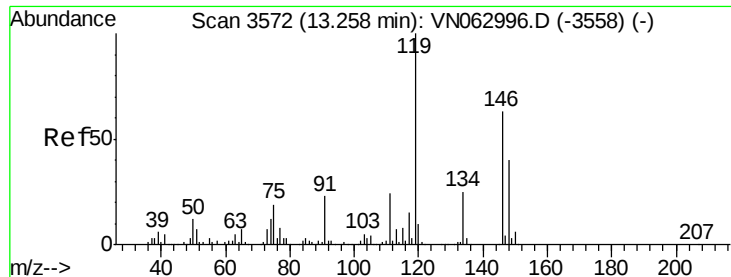
Tgt Ion:105 Resp: 465071
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 58.241 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion:119 Resp: 416232
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 23.3 11.5 34.4

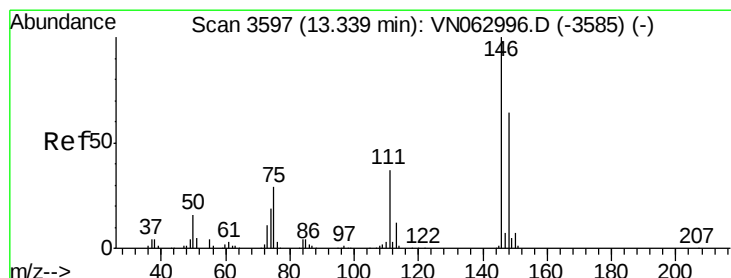
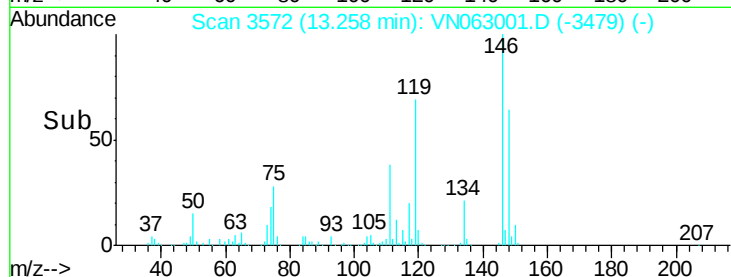
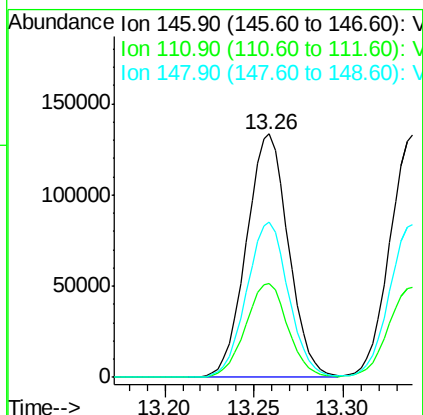
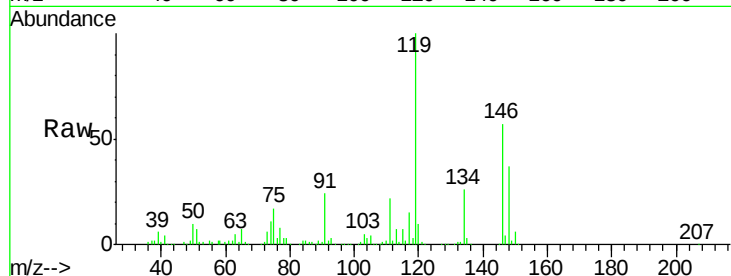




#87
 1,3-Dichlorobenzene
 Concen: 54.700 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

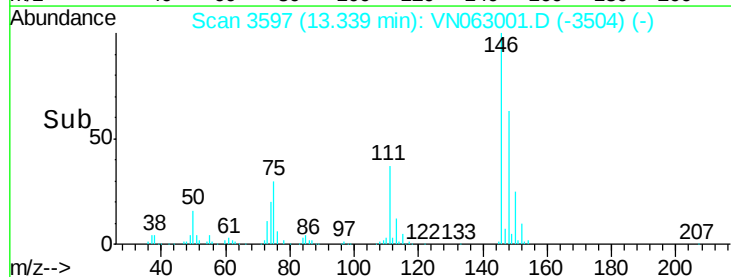
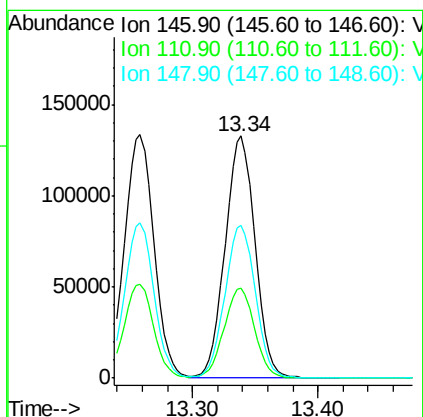
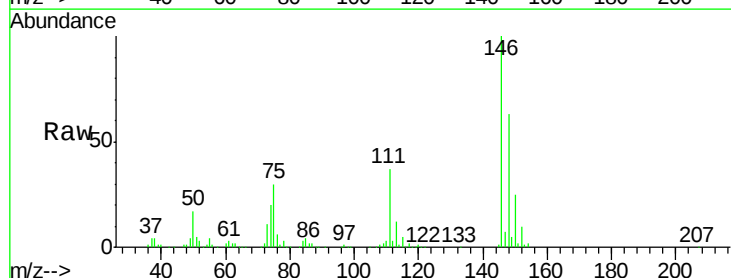
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

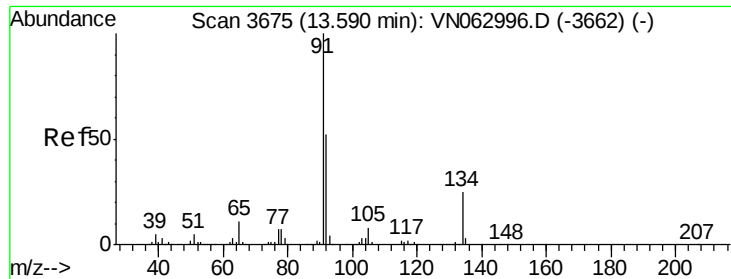
Tgt Ion:146 Resp: 219918
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 63.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 53.775 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion:146 Resp: 219438
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.2 32.4 97.0





#89

n-Butylbenzene

Concen: 50.855 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

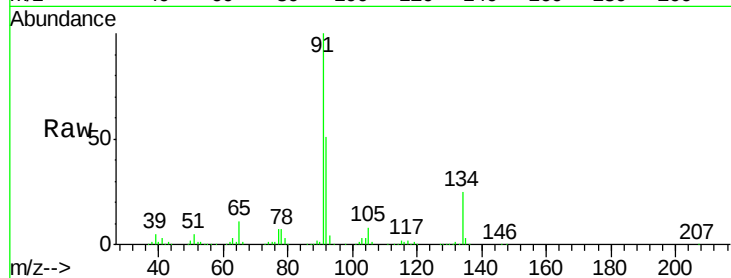
Tgt Ion: 91 Resp: 344808

Ion Ratio Lower Upper

91 100

92 51.2 25.9 77.6

134 25.2 12.4 37.0

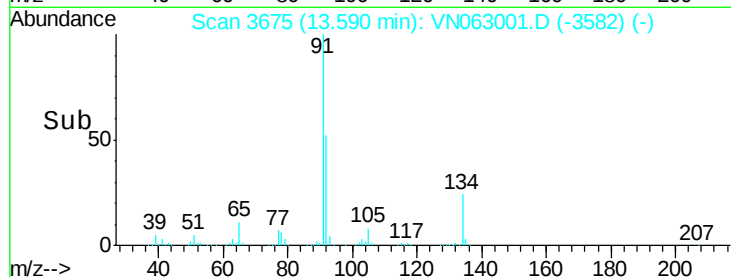


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time-->

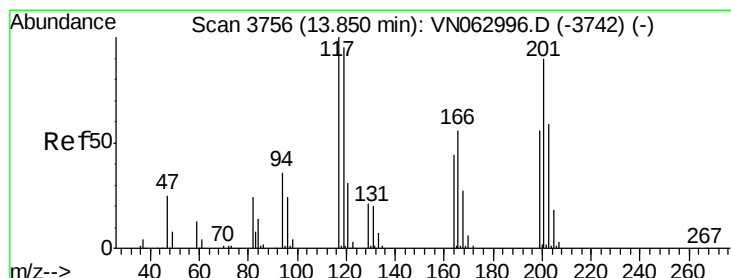


Abundance Ion 91.00 (90.70 to 91.70): VN063001.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN063001.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN063001.D (-3582) (-)

Time-->



#90

Hexachloroethane

Concen: 52.570 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN063001.D

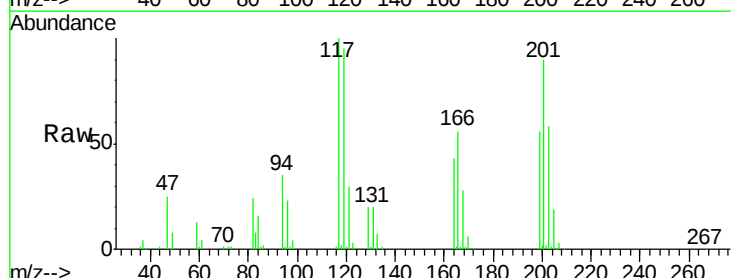
Acq: 19 Aug 2020 9:46

Tgt Ion: 117 Resp: 79854

Ion Ratio Lower Upper

117 100

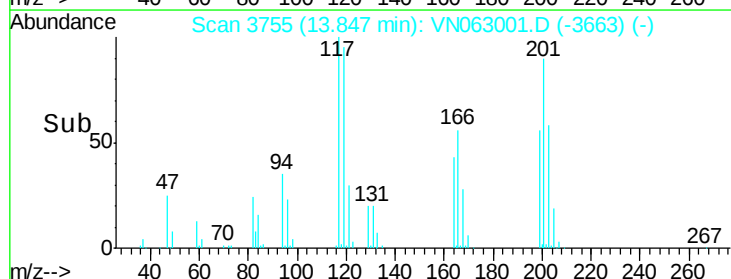
201 90.0 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)

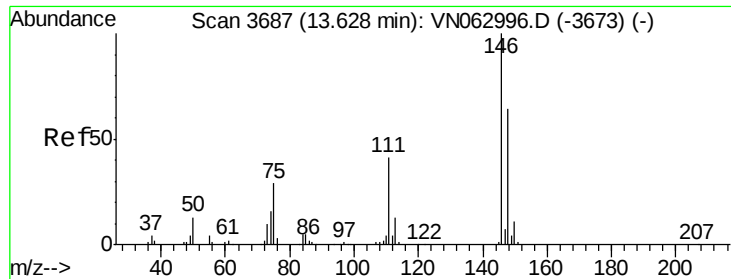
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN063001.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN063001.D (-3663) (-)

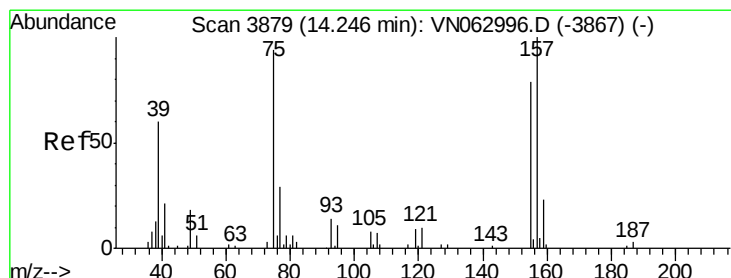
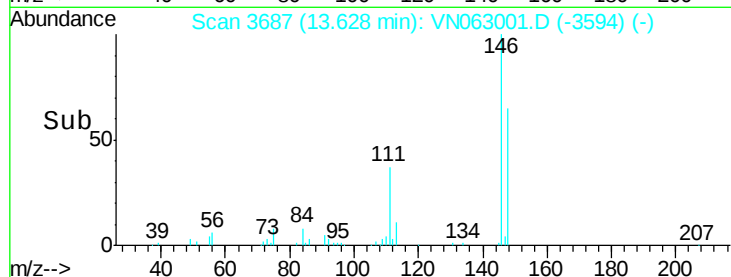
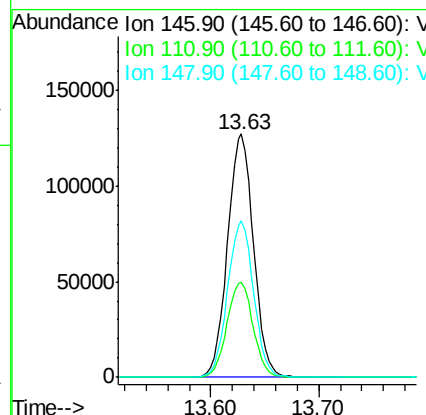
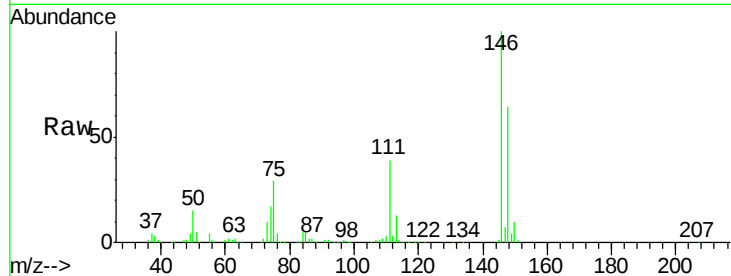
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 54.937 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

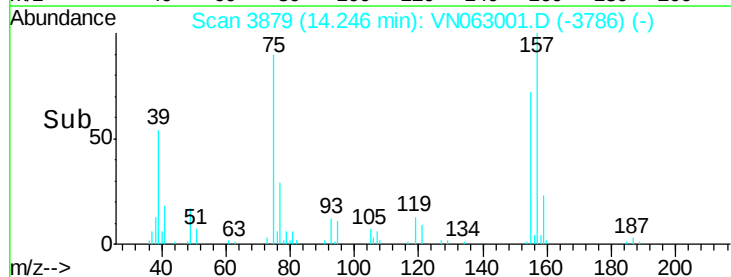
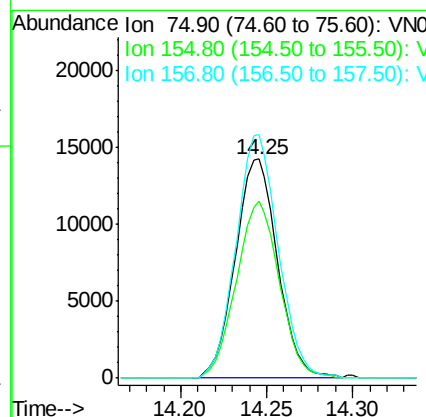
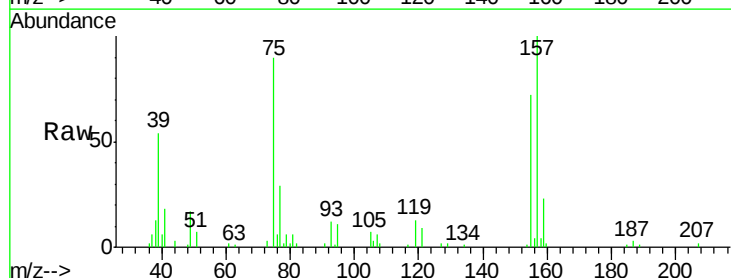
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

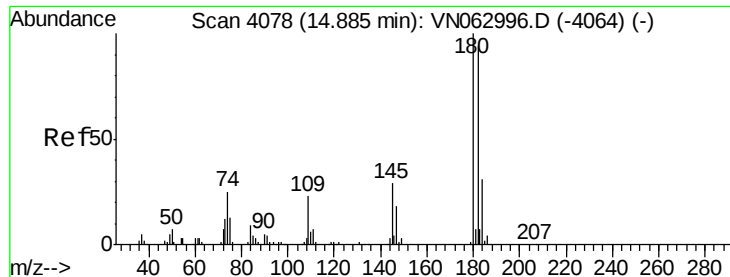
Tgt Ion:146 Resp: 213352
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.2 60.5
 148 64.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.765 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 75 Resp: 24317
 Ion Ratio Lower Upper
 75 100
 155 82.2 42.4 127.1
 157 111.0 55.2 165.6

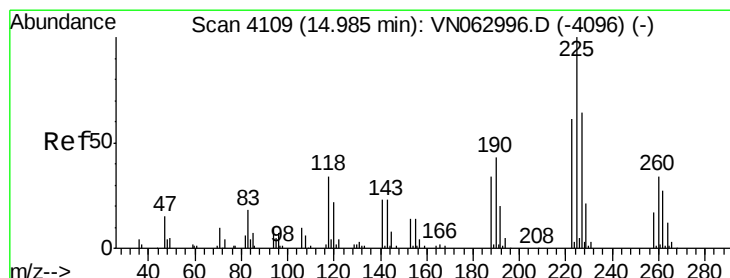
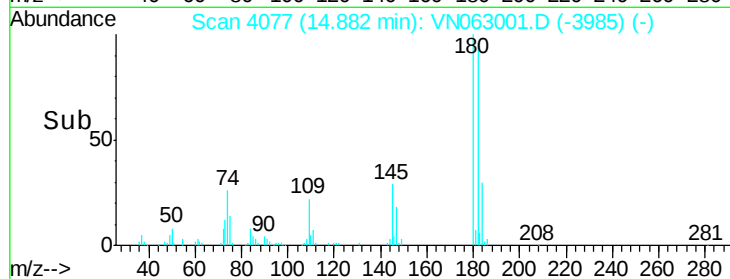
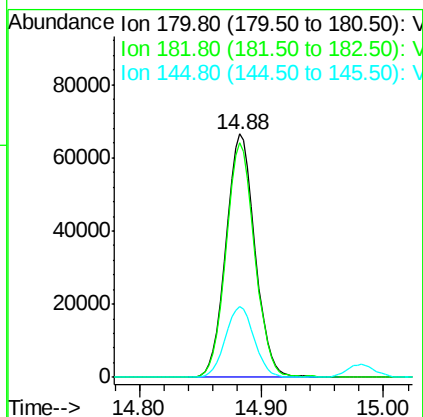
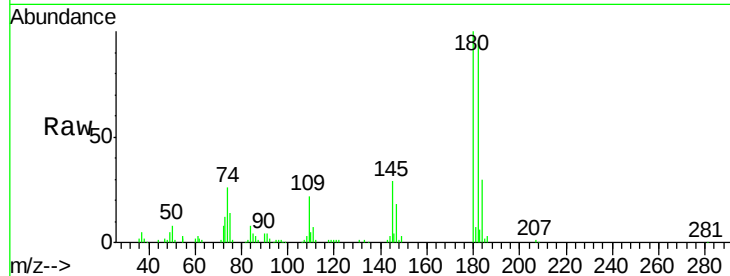




#93
 1,2,4-Trichlorobenzene
 Concen: 51.367 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

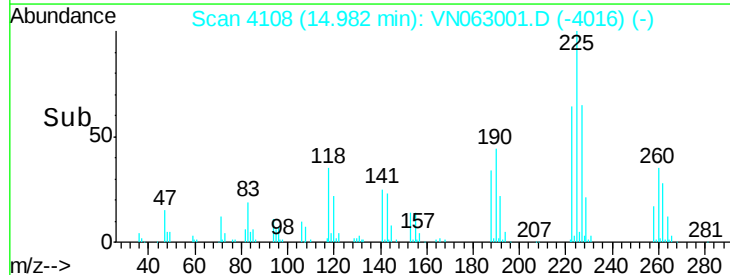
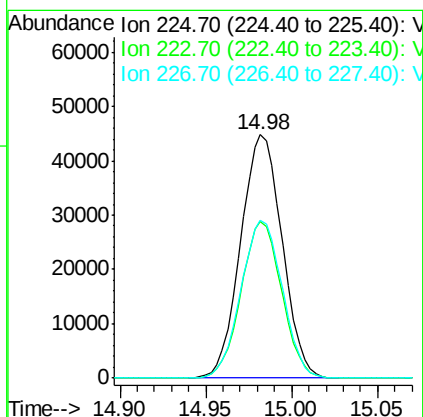
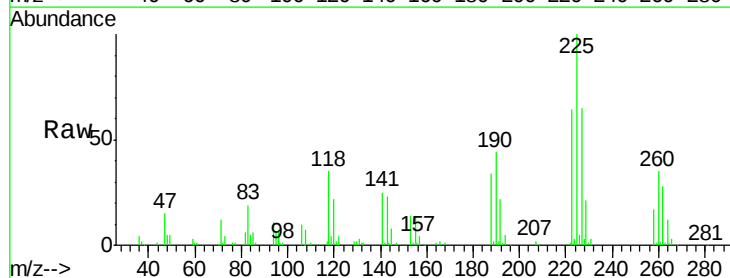
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

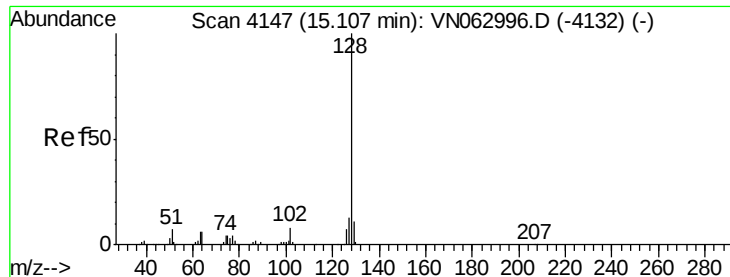
Tgt Ion:180 Resp: 110873
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.0 141.2
 145 28.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 52.358 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion:225 Resp: 75137
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.5
 227 64.5 31.9 95.9

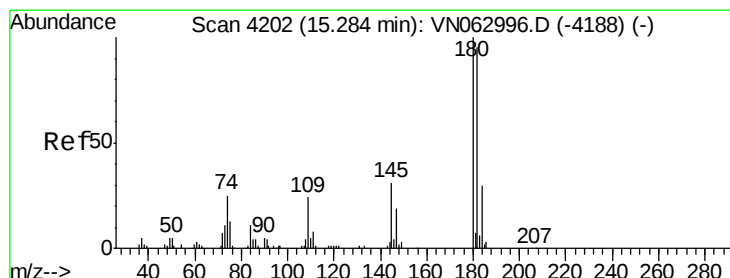
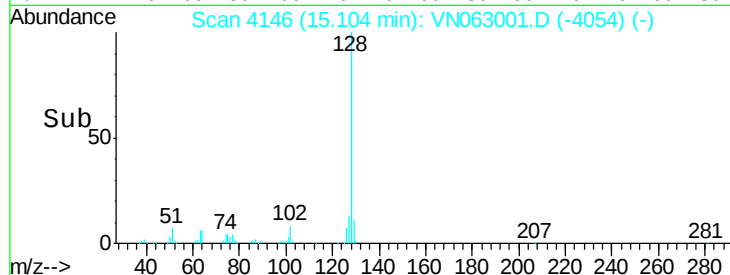
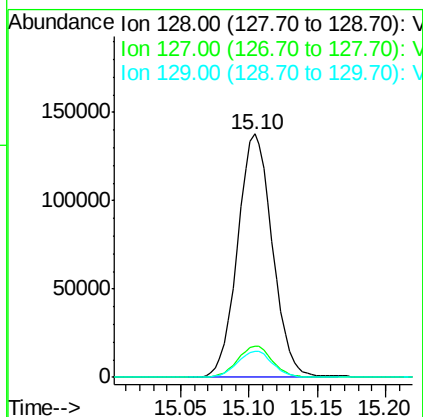
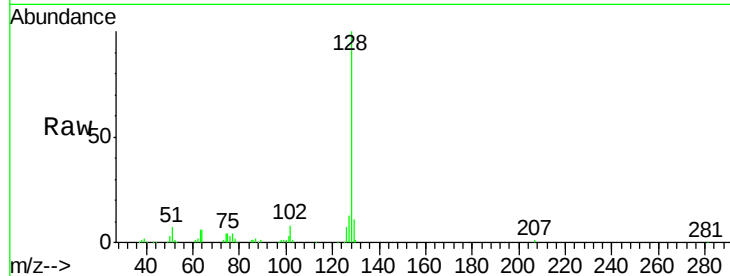




#95
Naphthalene
Concen: 49.305 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 243912
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.226 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion:180 Resp: 110616
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 30.0 15.6 46.7

