

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063102.D
 Acq On : 24 Aug 2020 17:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 25 00:56:59 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	183306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	116983	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
35) Dibromofluoromethane	7.54	113	95798	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.06	98	360082	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.38	95	122099	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	108501	45.332	ug/l	100
3) Chloromethane	2.04	50	118874	47.297	ug/l	100
4) Vinyl Chloride	2.16	62	118491	48.749	ug/l	98
5) Bromomethane	2.49	94	39249	27.205	ug/l	98
6) Chloroethane	2.58	64	34873	24.300	ug/l	99
7) Trichlorofluoromethane	2.89	101	148207	48.894	ug/l	96
8) Diethyl Ether	3.36	74	54201	50.545	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.66	101	74506	45.615	ug/l	98
10) Methyl Iodide	3.87	142	89332	43.149	ug/l	99
11) Tert butyl alcohol	4.67	59	1574	5.115	ug/l #	74
12) 1,1-Dichloroethene	3.64	96	70063	45.028	ug/l	98
13) Acrolein	3.56	56	6772	70.247	ug/l	92
14) Allyl chloride	4.24	41	129683	47.270	ug/l	99
15) Acrylonitrile	4.93	53	233029	257.641	ug/l	99
16) Acetone	3.79	43	153861	226.745	ug/l	99
17) Carbon Disulfide	3.96	76	172739	42.391	ug/l	98
18) Methyl Acetate	4.28	43	118364	54.824	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	298659	55.039	ug/l	99
20) Methylene Chloride	4.48	84	93059	48.545	ug/l	98
21) trans-1,2-Dichloroethene	4.96	96	77238	47.434	ug/l	97
22) Diisopropyl ether	5.91	45	337685	54.241	ug/l	96
23) Vinyl Acetate	5.84	43	1093762	260.349	ug/l	100
24) 1,1-Dichloroethane	5.78	63	173560	49.889	ug/l	99
25) 2-Butanone	6.80	43	262635	227.706	ug/l	96
26) 2,2-Dichloropropane	6.76	77	116641	42.632	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	99031	48.521	ug/l	99
28) Bromochloromethane	7.15	49	94203	51.752	ug/l	97
29) Tetrahydrofuran	7.17	42	188218	252.845	ug/l	100
30) Chloroform	7.32	83	174306	49.749	ug/l	100
31) Cyclohexane	7.60	56	148936	46.514	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	141591	49.500	ug/l	98
36) 1,1-Dichloropropene	7.74	75	113611	44.995	ug/l	99
37) Ethyl Acetate	6.89	43	116586	49.277	ug/l	99
38) Carbon Tetrachloride	7.73	117	115697	45.386	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	133576	39.522	ug/l	98
40) Benzene	8.00	78	378353	47.245	ug/l	99
41) Methacrylonitrile	7.13	41	55687	49.400	ug/l	95
42) 1,2-Dichloroethane	8.08	62	130741	48.621	ug/l	99
43) Isopropyl Acetate	8.13	43	192430	49.094	ug/l #	91
44) Trichloroethene	8.80	130	89503	44.930	ug/l	97
45) 1,2-Dichloropropane	9.08	63	110377	47.681	ug/l	98
46) Dibromomethane	9.18	93	65089	48.672	ug/l	99
47) Bromodichloromethane	9.37	83	139791	47.727	ug/l	99
48) Methyl methacrylate	9.17	41	94770	51.101	ug/l	97
49) 1,4-Dioxane	9.18	88	9318	240.123	ug/l #	76
51) 4-Methyl-2-Pentanone	9.96	43	600817	242.504	ug/l	99
52) Toluene	10.12	92	230112	47.633	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	146146	48.250	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	160718	48.370	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	96852	46.887	ug/l	97
56) Ethyl methacrylate	10.41	69	140244	44.169	ug/l	99
57) 1,3-Dichloropropane	10.68	76	164163	47.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	212951	273.355	ug/l	99
59) 2-Hexanone	10.73	43	413676	239.374	ug/l	99
60) Dibromochloromethane	10.88	129	105143	45.994	ug/l	99
61) 1,2-Dibromoethane	10.98	107	96010	48.372	ug/l	100
64) Tetrachloroethene	10.60	164	77385	45.765	ug/l	99
65) Chlorobenzene	11.41	112	242362	46.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	96766	48.156	ug/l	99
67) Ethyl Benzene	11.49	91	433869	49.702	ug/l	99
68) m/p-Xylenes	11.60	106	323674	99.763	ug/l	99
69) o-Xylene	11.92	106	158134	50.756	ug/l	100
70) Styrene	11.94	104	274229	44.571	ug/l	99
71) Bromoform	12.10	173	77074	48.188	ug/l #	100
73) Isopropylbenzene	12.23	105	415739	49.685	ug/l	100
74) N-amyl acetate	12.05	43	174073	58.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141387	52.446	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	171294	72.122	ug/l #	100
77) Bromobenzene	12.50	156	107898	46.886	ug/l	96
78) n-propylbenzene	12.57	91	471307	49.417	ug/l	100
79) 2-Chlorotoluene	12.65	91	286989	47.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	340895	49.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	44629	51.608	ug/l	97
82) 4-Chlorotoluene	12.75	91	292586	47.899	ug/l	99
83) tert-Butylbenzene	12.97	119	288060	48.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	319299	47.384	ug/l	98
85) sec-Butylbenzene	13.15	105	372581	46.178	ug/l	100
86) p-Isopropyltoluene	13.27	119	317943	45.225	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	188997	47.787	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	186988	46.582	ug/l	99
89) n-Butylbenzene	13.59	91	240740	36.898	ug/l	100
90) Hexachloroethane	13.85	117	65735	43.991	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	188600	49.368	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25740	61.081	ug/l	99

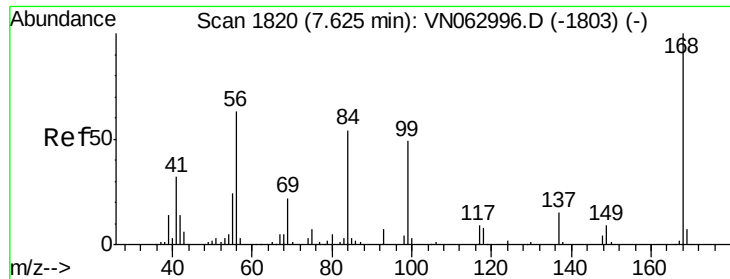
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	96337	45.902	ug/l	98
94) Hexachlorobutadiene	14.99	225	51656	36.591	ug/l	98
95) Naphthalene	15.11	128	256764	52.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	97585	47.245	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

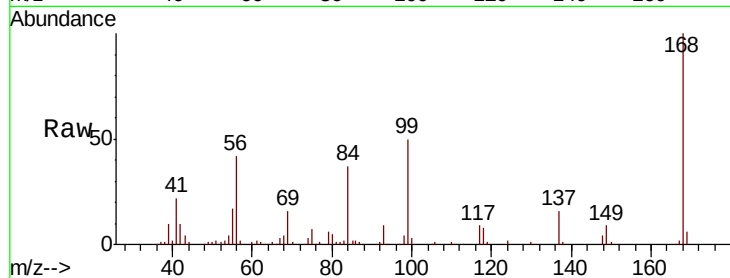
VSTDCCC050EC

Tot Ion:168 Resp: 183306

Ion Ratio Lower Upper

168 100

99 50.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

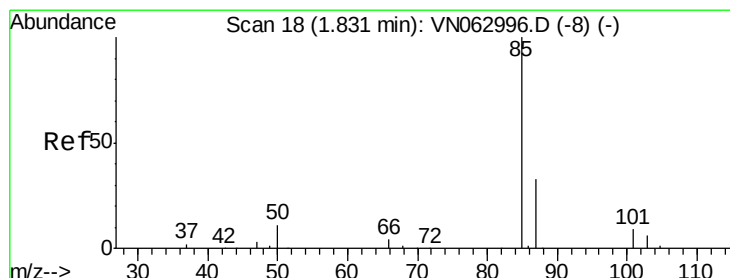
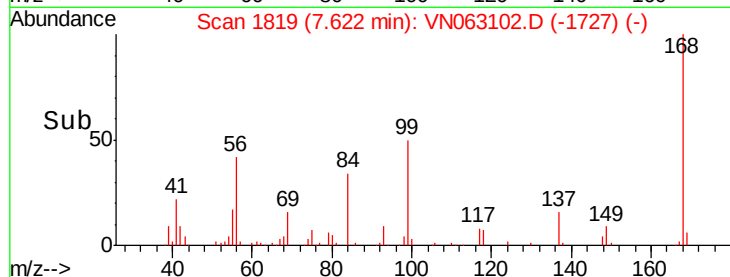
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 45.332 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063102.D

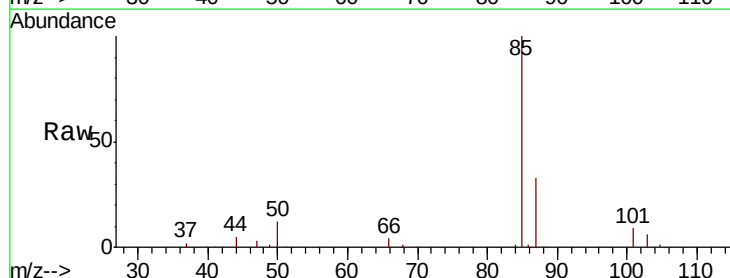
Acq: 24 Aug 2020 17:53

Tgt Ion: 85 Resp: 108501

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

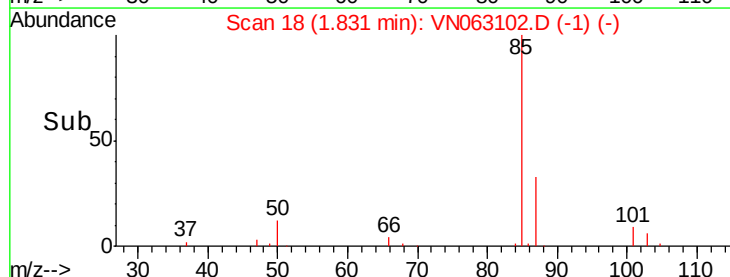
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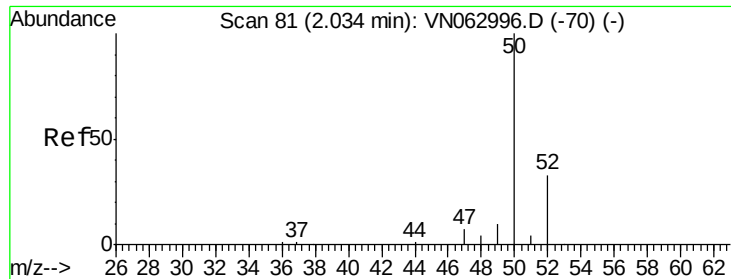
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.297 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

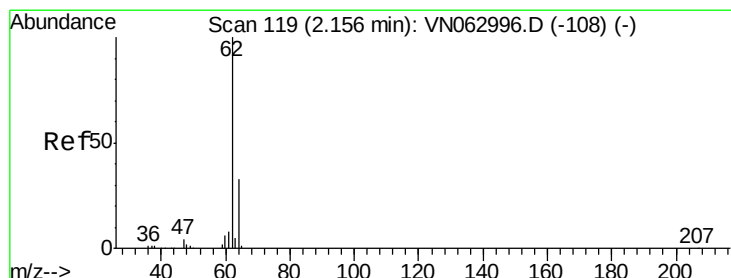
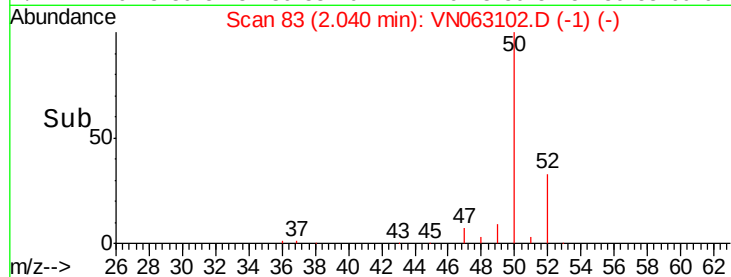
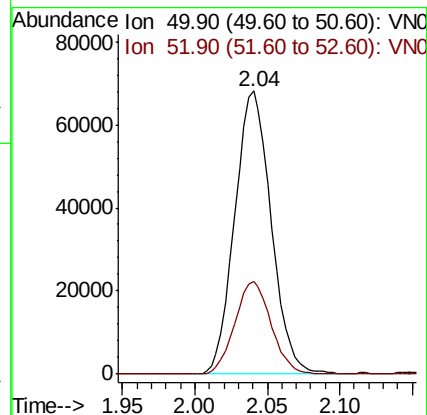
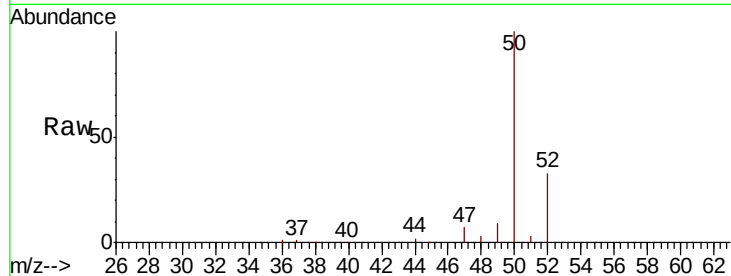
VSTDCCC050EC

Tot Ion: 50 Resp: 118874

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 48.749 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063102.D

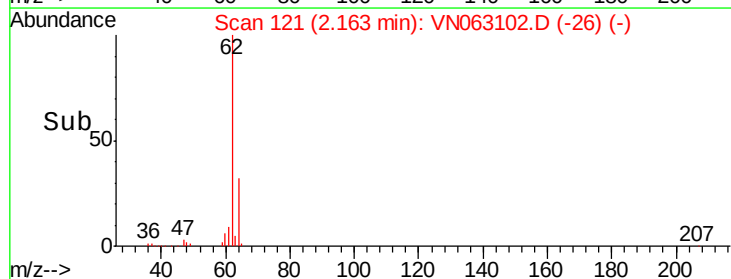
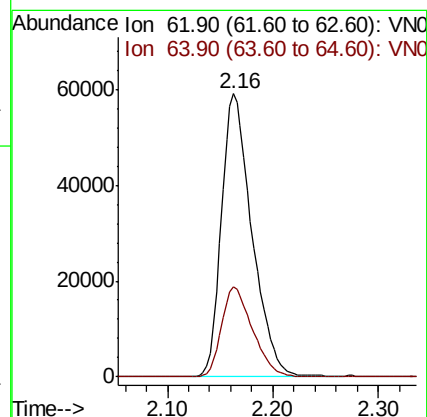
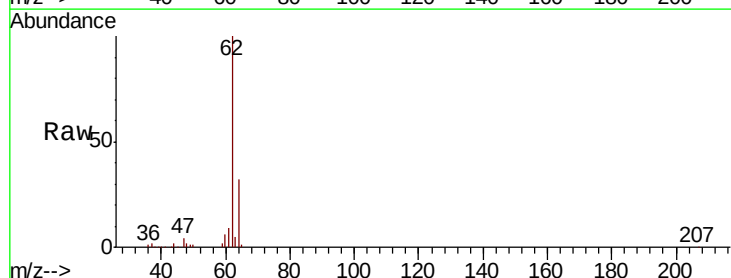
Acq: 24 Aug 2020 17:53

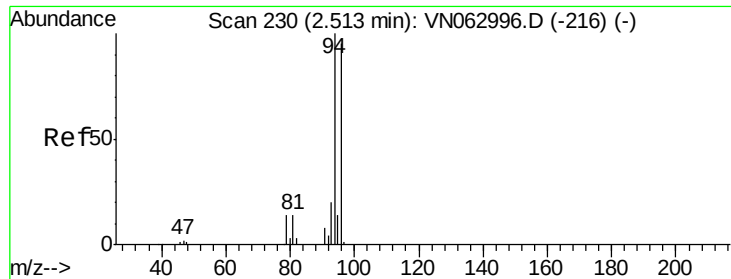
Tgt Ion: 62 Resp: 118491

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 27.205 ug/l

RT: 2.49 min Scan# 222

Delta R.T. -0.03 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

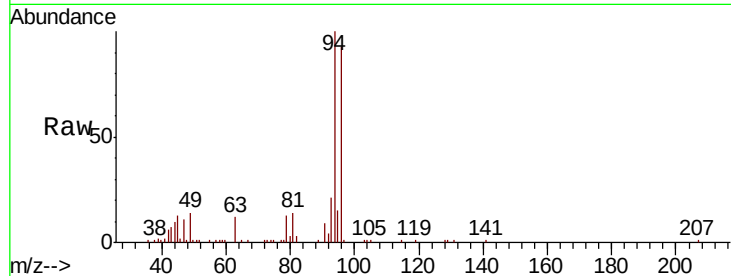
VSTDCCC050EC

Tot Ion: 94 Resp: 39249

Ion Ratio Lower Upper

94 100

96 92.6 75.8 113.8

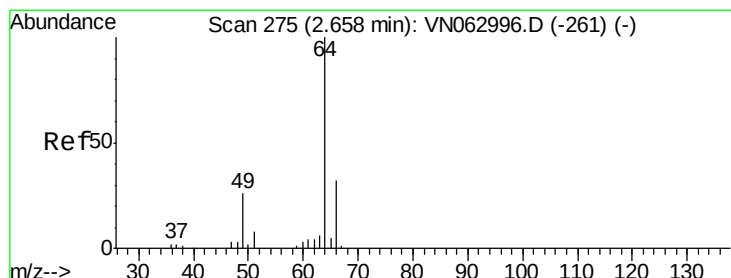
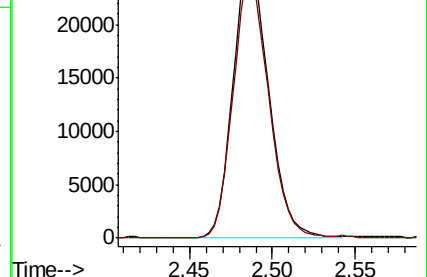
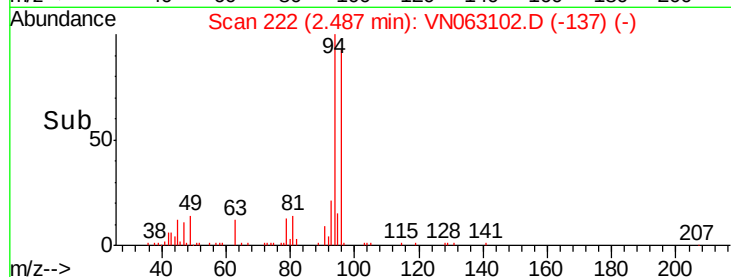


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.49

Time-->



#6

Chloroethane

Concen: 24.300 ug/l

RT: 2.58 min Scan# 252

Delta R.T. -0.07 min

Lab File: VN063102.D

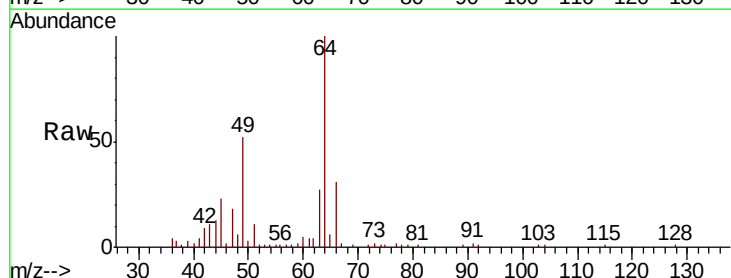
Acq: 24 Aug 2020 17:53

Tgt Ion: 64 Resp: 34873

Ion Ratio Lower Upper

64 100

66 31.4 25.4 38.0

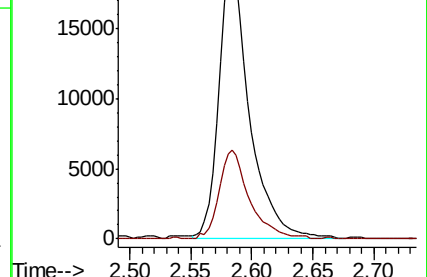
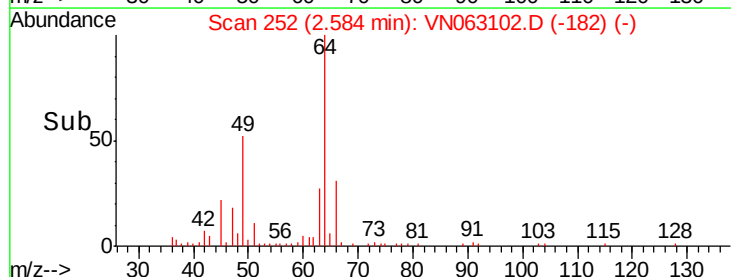


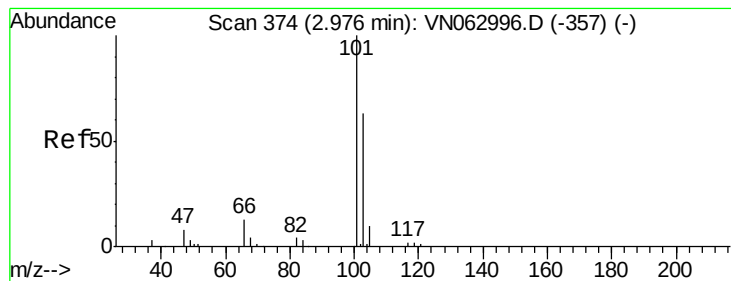
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.58

Time-->



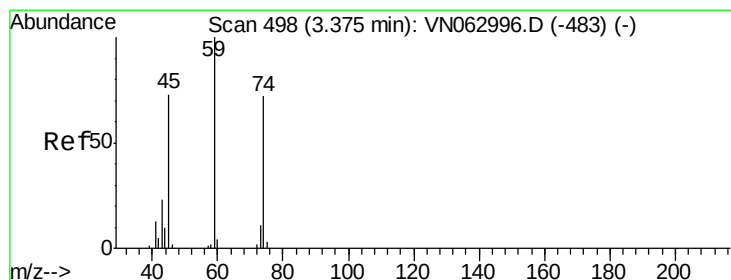
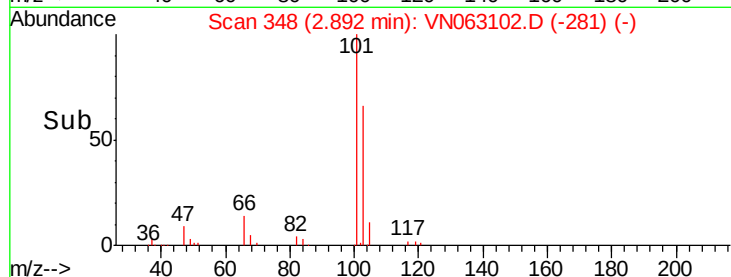
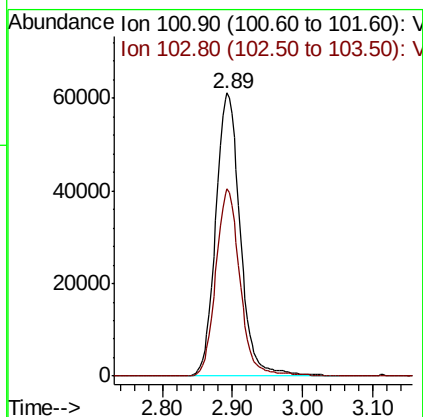
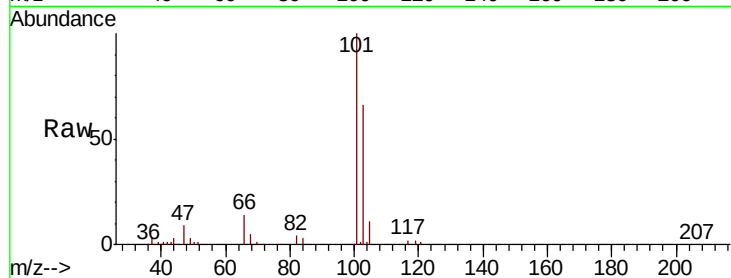


#7

Trichlorofluoromethane
 Concen: 48.894 ug/l
 RT: 2.89 min Scan# 348
 Delta R.T. -0.08 min
 Lab File: VN063102.D
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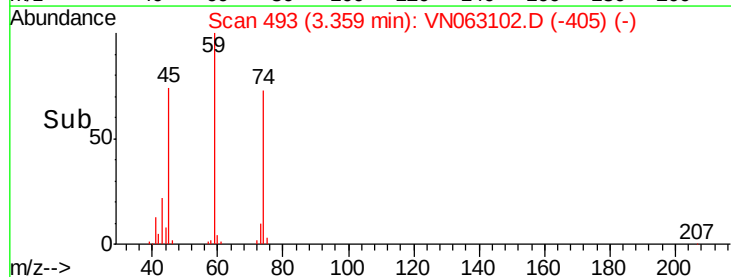
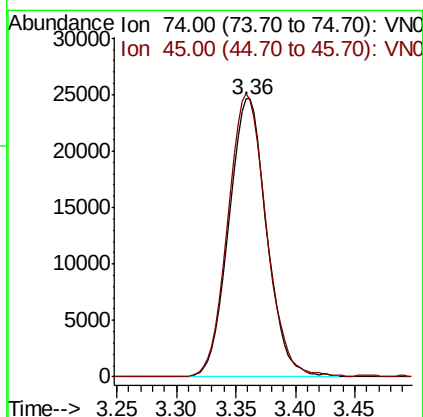
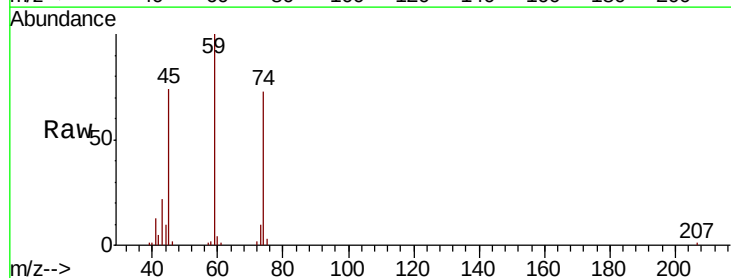
Tot Ion:101 Resp: 148207
 Ion Ratio Lower Upper
 101 100
 103 66.2 50.5 75.7

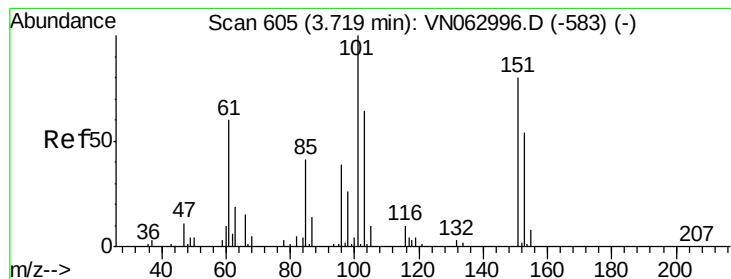


#8

Diethyl Ether
 Concen: 50.545 ug/l
 RT: 3.36 min Scan# 493
 Delta R.T. -0.02 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 74 Resp: 54201
 Ion Ratio Lower Upper
 74 100
 45 103.6 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.615 ug/l

RT: 3.66 min Scan# 588

Delta R.T. -0.05 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

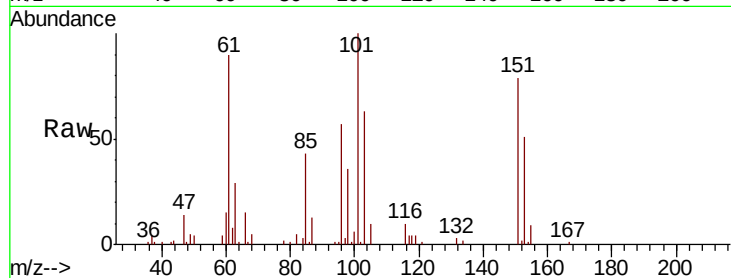
Tot Ion:101 Resp: 74506

Ion Ratio Lower Upper

101 100

85 43.7 34.0 51.0

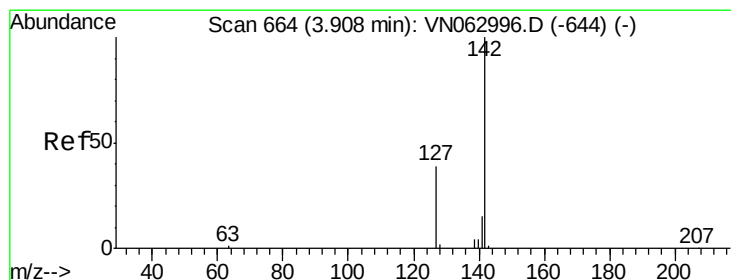
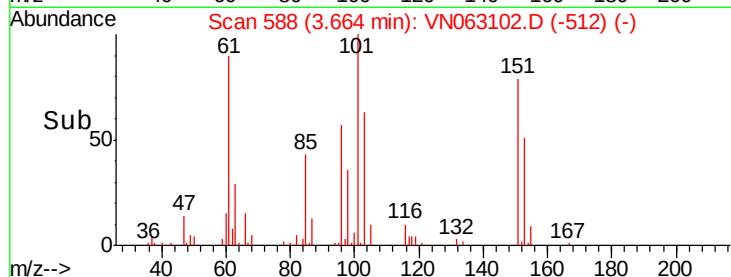
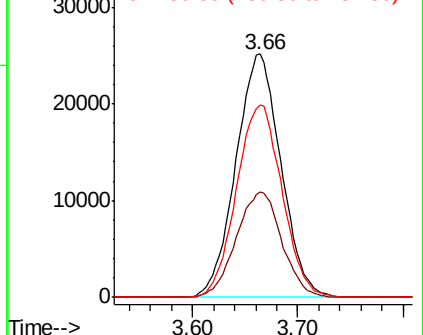
151 80.3 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.149 ug/l

RT: 3.87 min Scan# 651

Delta R.T. -0.04 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

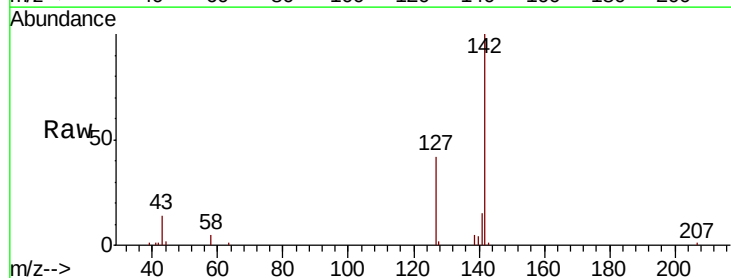
Tgt Ion:142 Resp: 89332

Ion Ratio Lower Upper

142 100

127 40.9 32.2 48.4

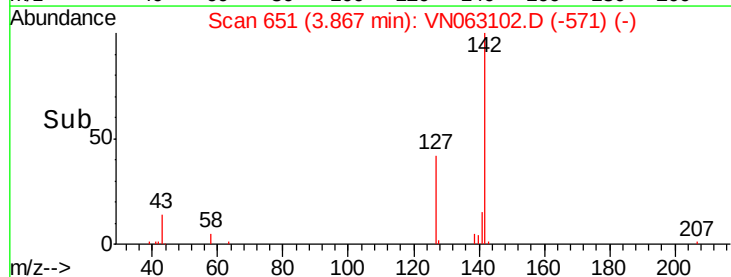
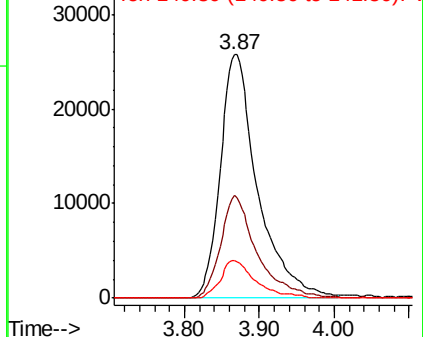
141 14.6 11.3 16.9

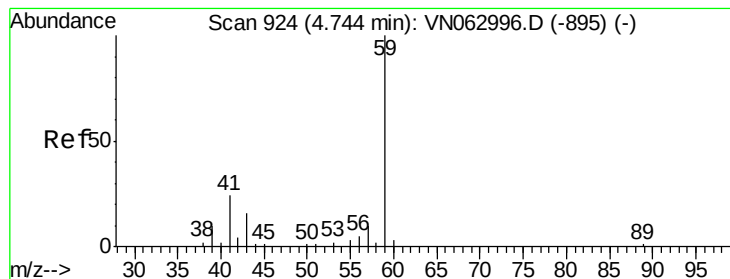


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.115 ug/l

RT: 4.67 min Scan# 901

Delta R.T. -0.07 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

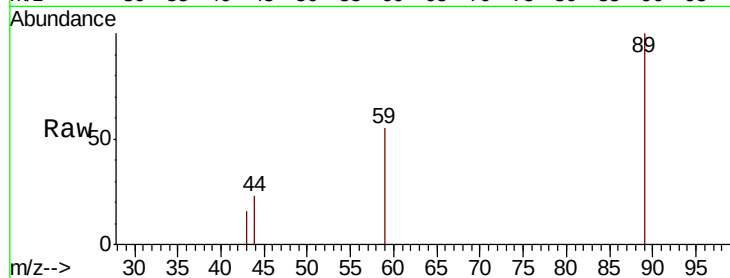
VSTDCCC050EC

Tot Ion: 59 Resp: 1574

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN062996.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN062996.D (-895) (-)

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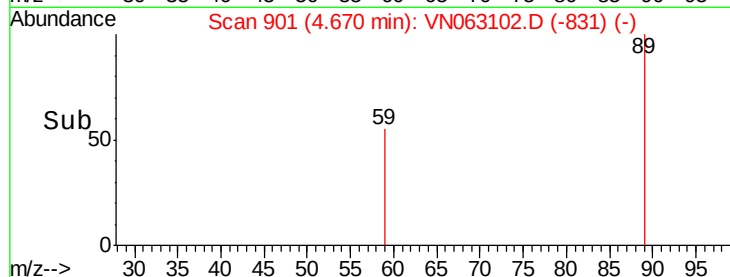
4.67

4.67

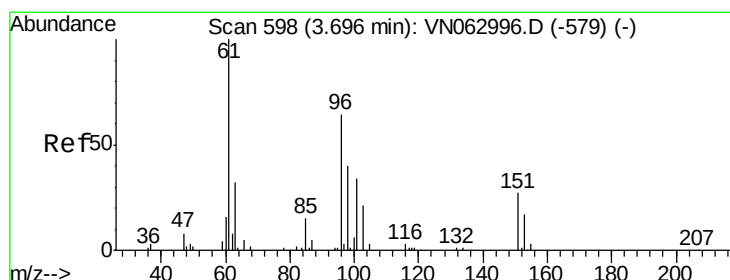
4.67

4.67

4.67



Time-->



#12

1,1-Dichloroethene

Concen: 45.028 ug/l

RT: 3.64 min Scan# 582

Delta R.T. -0.05 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

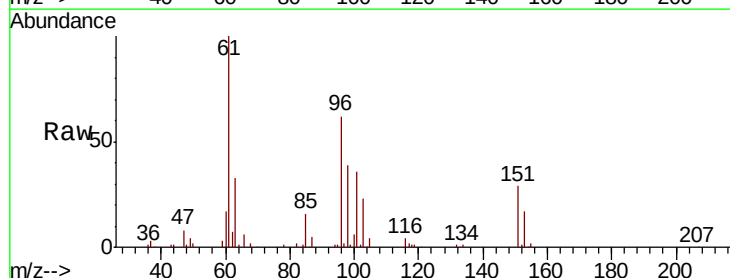
Tgt Ion: 96 Resp: 70063

Ion Ratio Lower Upper

96 100

61 160.7 125.5 188.3

98 62.2 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-579) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-579) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-579) (-)

3.64

3.64

3.64

3.64

3.64

3.64

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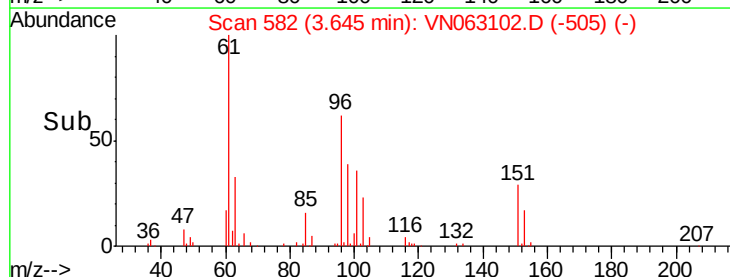
3.64

3.64

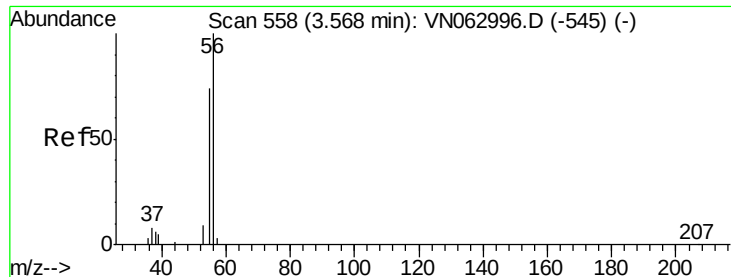
3.64

3.64

3.64



Time-->



#13

Acrolein

Concen: 70.247 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

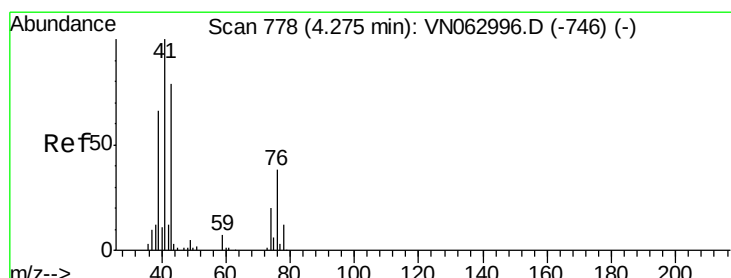
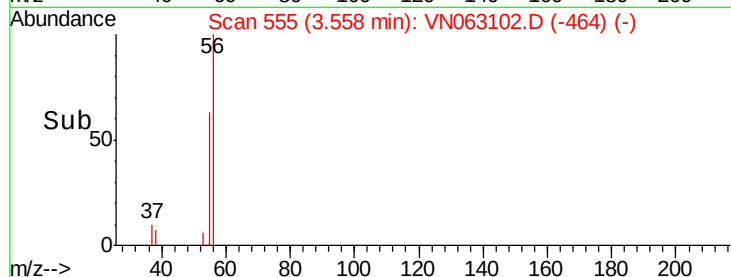
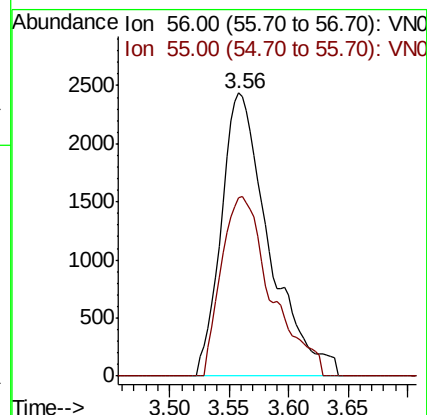
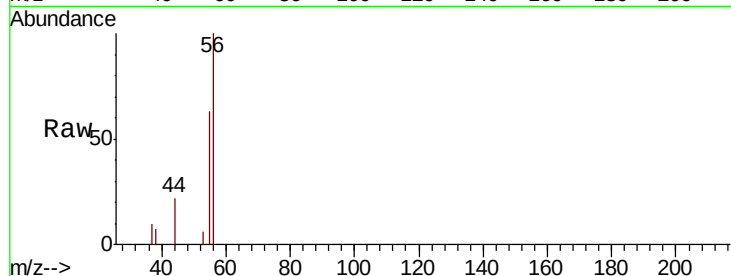
VSTDCCC050EC

Tot Ion: 56 Resp: 6772

Ion Ratio Lower Upper

56 100

55 66.3 58.4 87.6



#14

Allyl chloride

Concen: 47.270 ug/l

RT: 4.24 min Scan# 767

Delta R.T. -0.04 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

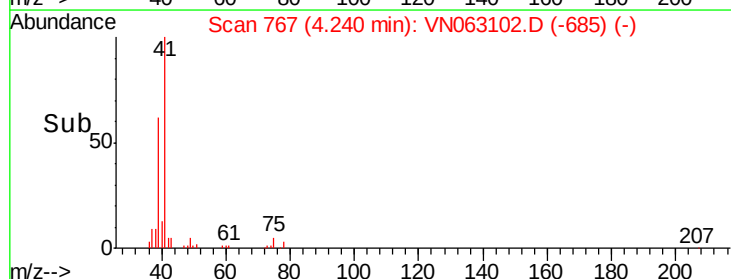
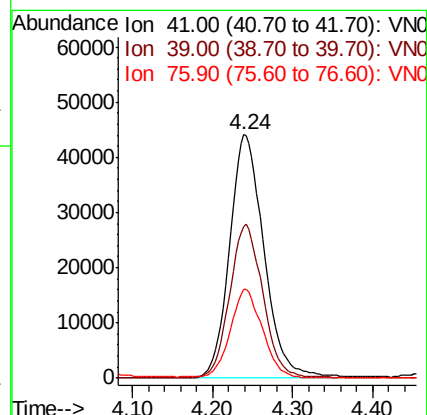
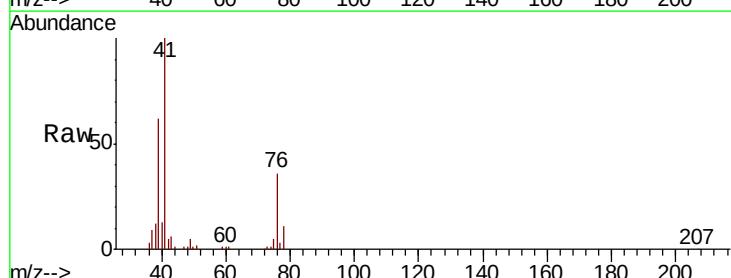
Tgt Ion: 41 Resp: 129683

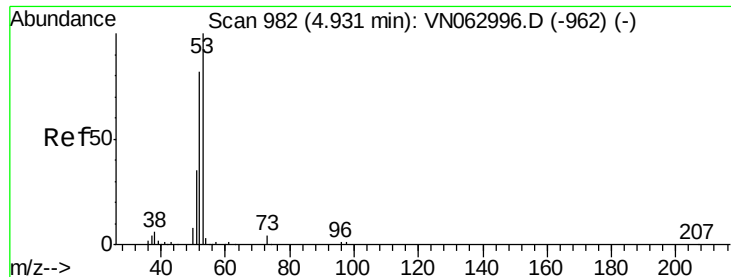
Ion Ratio Lower Upper

41 100

39 60.7 47.9 71.9

76 34.2 27.0 40.6





#15

Acrylonitrile

Concen: 257.641 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

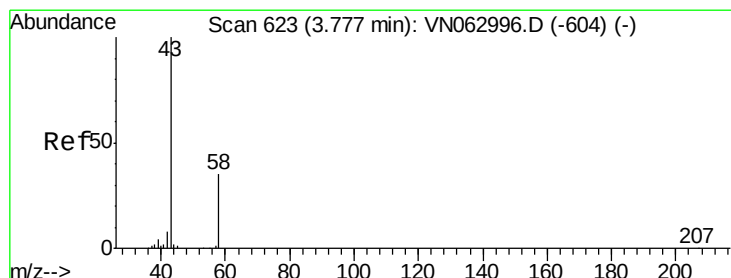
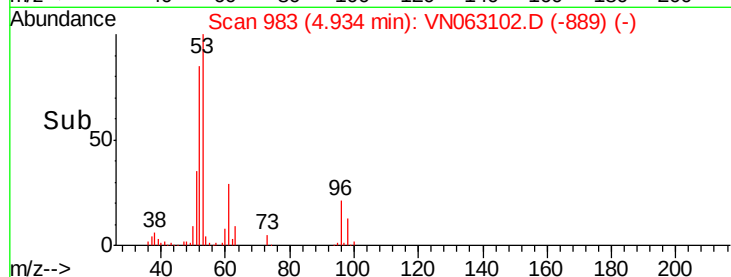
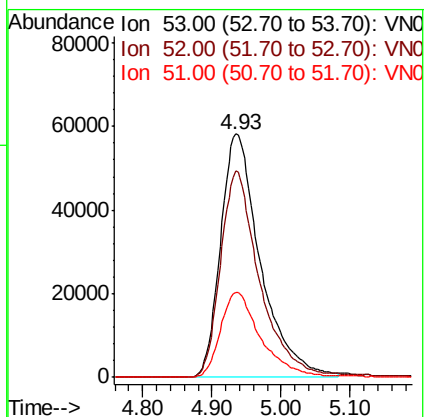
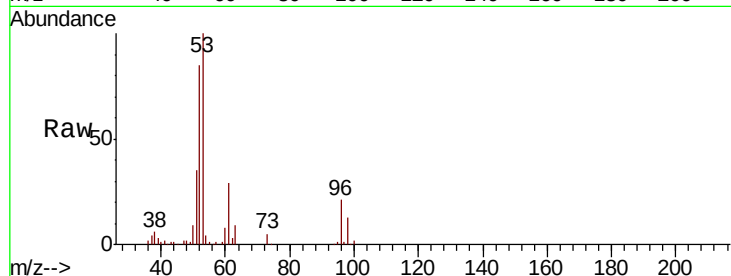
Tot Ion: 53 Resp: 233029

Ion Ratio Lower Upper

53 100

52 82.7 65.6 98.4

51 35.5 28.2 42.4



#16

Acetone

Concen: 226.745 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN063102.D

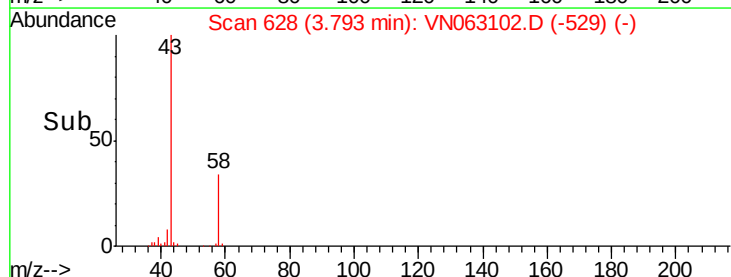
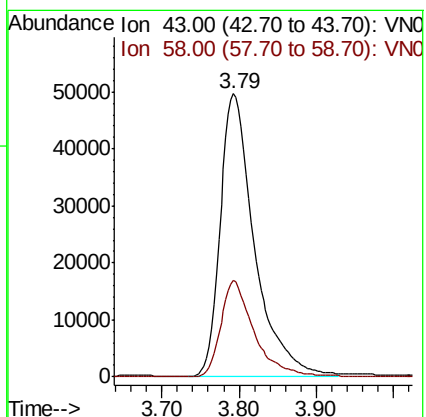
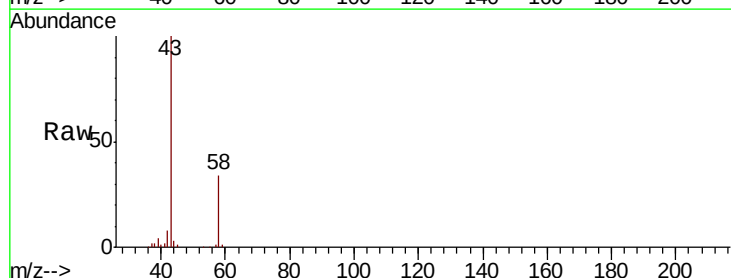
Acq: 24 Aug 2020 17:53

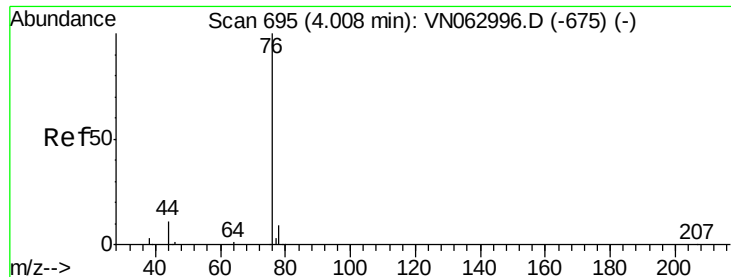
Tgt Ion: 43 Resp: 153861

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.6

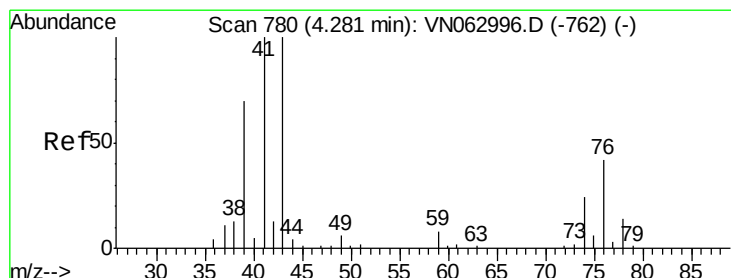
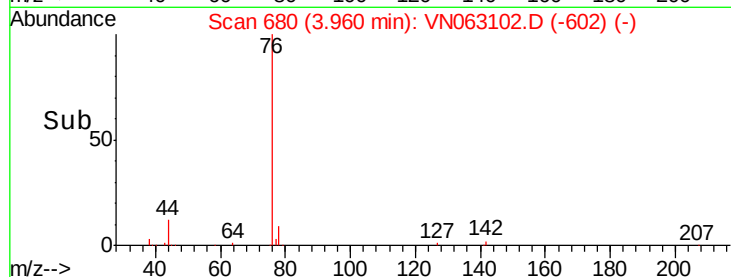
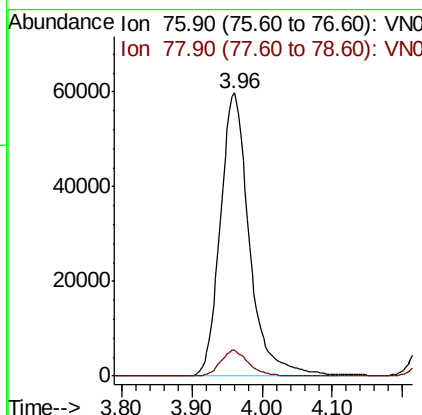
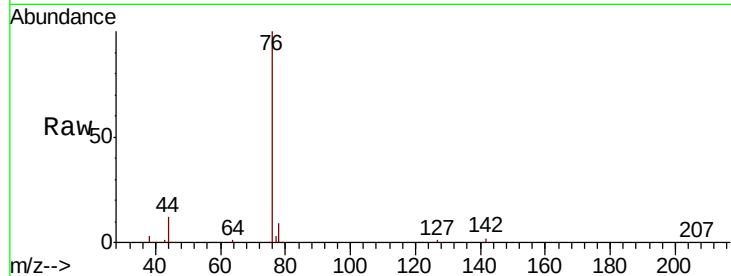




#17
Carbon Disulfide
Concen: 42.391 ug/l
RT: 3.96 min Scan# 680
Delta R.T. -0.05 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

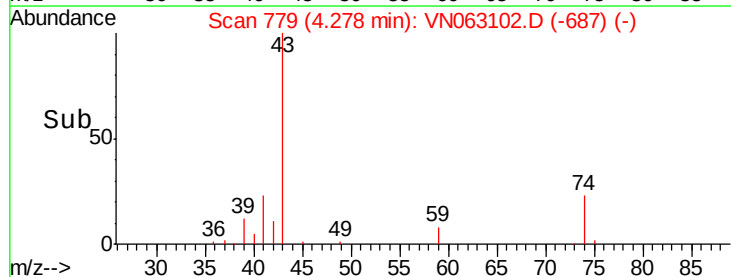
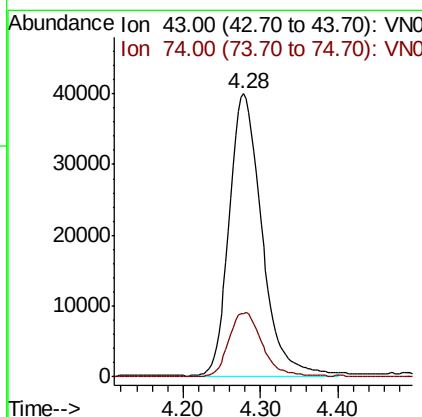
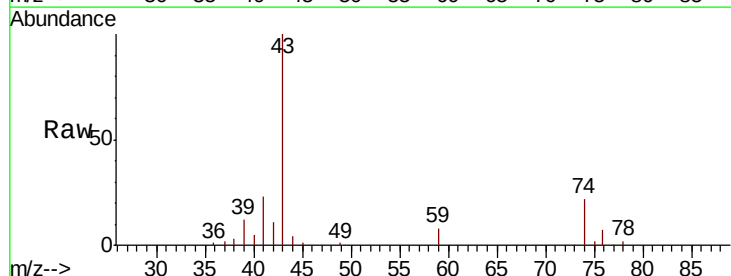
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

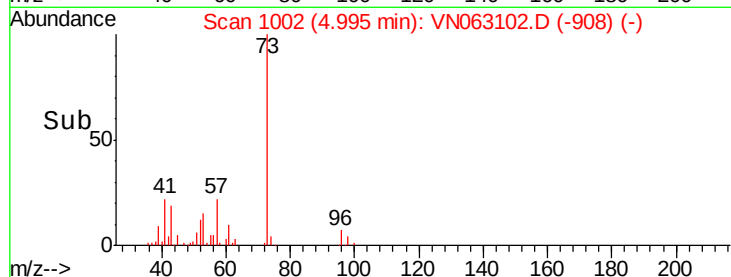
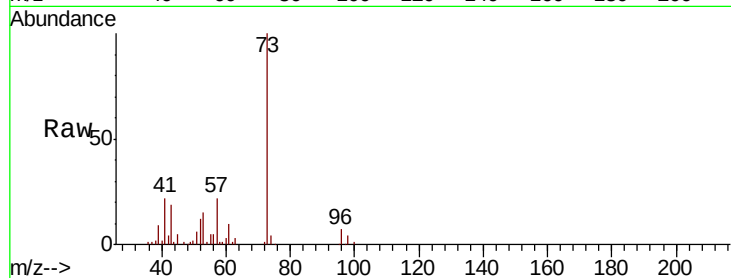
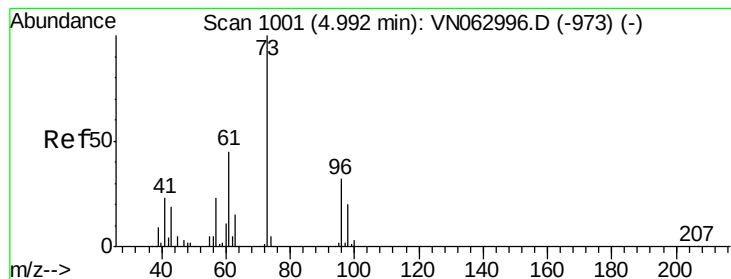
Tot Ion: 76 Resp: 172739
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 54.824 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 43 Resp: 118364
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



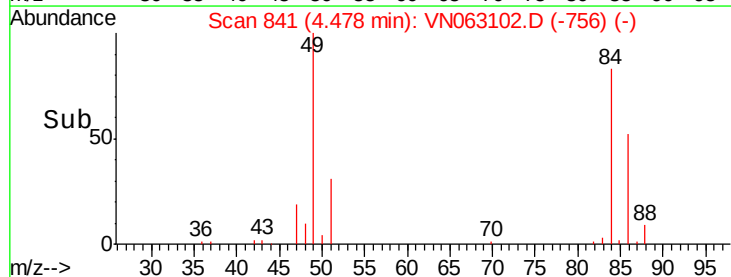
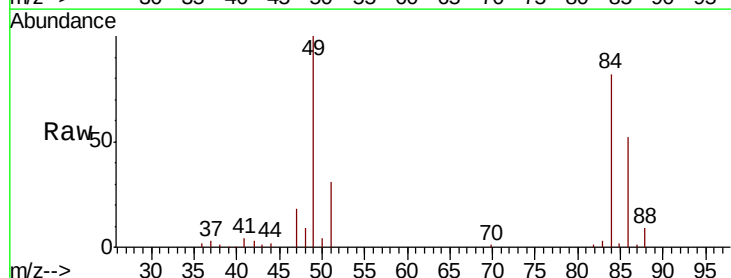
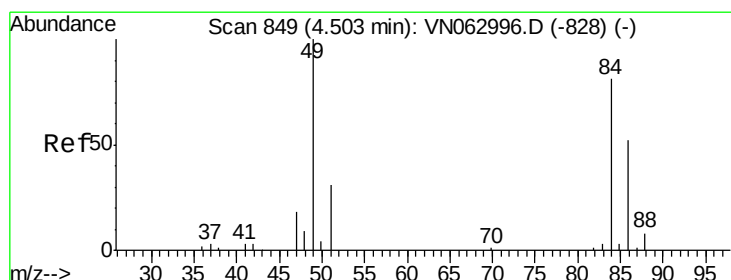
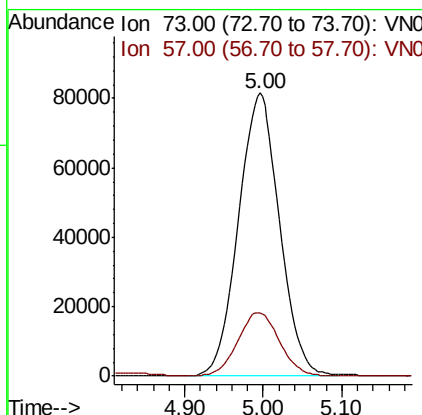


#19

Methyl tert-butyl Ether
Concen: 55.039 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

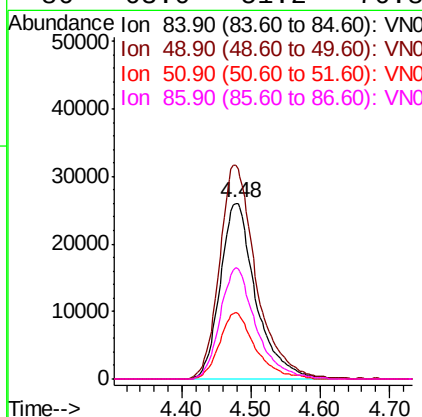
Tot Ion: 73 Resp: 298659
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

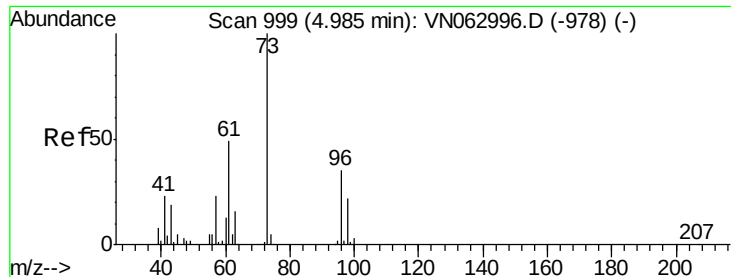


#20

Methylene Chloride
Concen: 48.545 ug/l
RT: 4.48 min Scan# 841
Delta R.T. -0.03 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 84 Resp: 93059
Ion Ratio Lower Upper
84 100
49 121.2 98.7 148.1
51 37.8 30.8 46.2
86 63.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 47.434 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.03 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

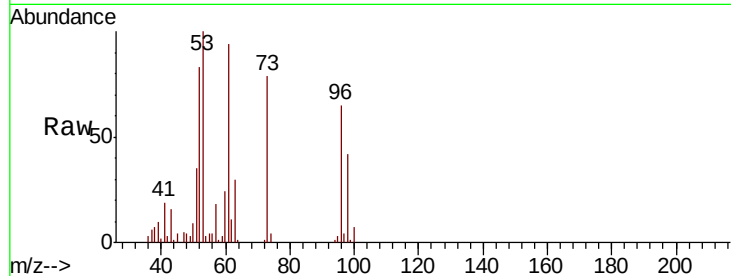
Tot Ion: 96 Resp: 77238

Ion Ratio Lower Upper

96 100

61 143.8 112.5 168.7

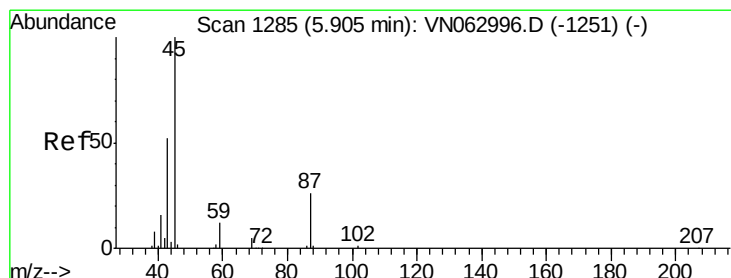
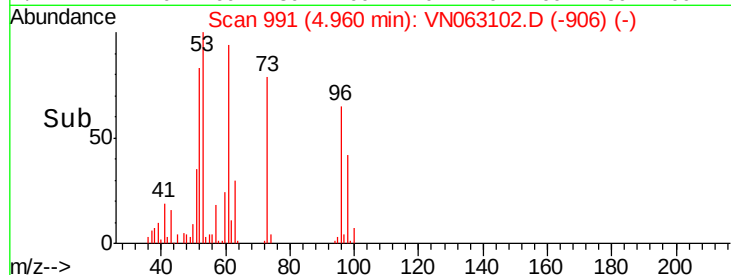
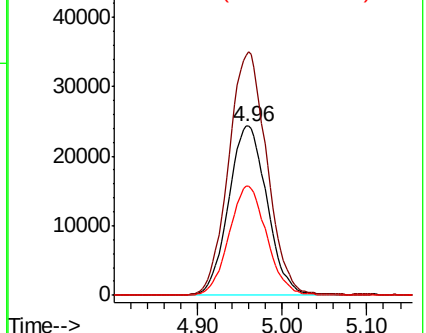
98 64.5 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-978) (-)



#22

Diisopropyl ether

Concen: 54.241 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion: 45 Resp: 337685

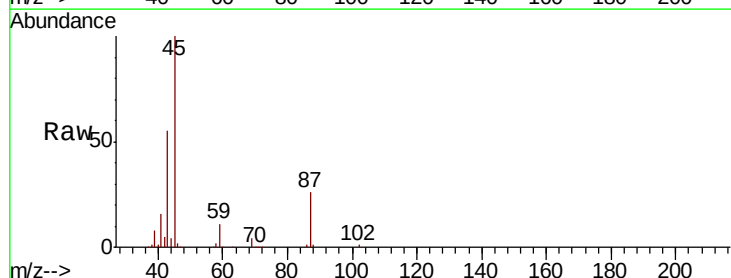
Ion Ratio Lower Upper

45 100

43 53.0 45.7 68.5

87 26.1 21.8 32.6

59 11.1 9.3 13.9

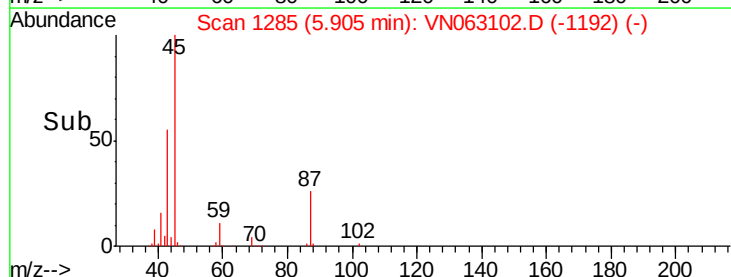
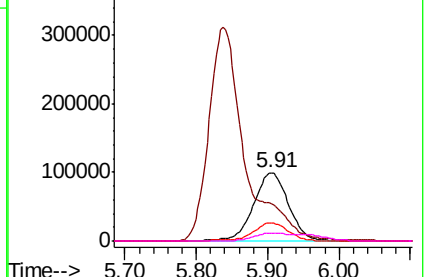


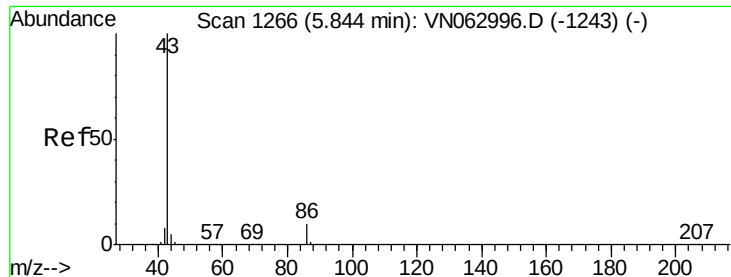
Abundance Ion 45.00 (44.70 to 45.70): VN062996.D (-1251) (-)

Ion 43.00 (42.70 to 43.70): VN062996.D (-1251) (-)

Ion 87.00 (86.70 to 87.70): VN062996.D (-1251) (-)

Ion 59.00 (58.70 to 59.70): VN062996.D (-1251) (-)





#23

Vinyl Acetate

Concen: 260.349 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

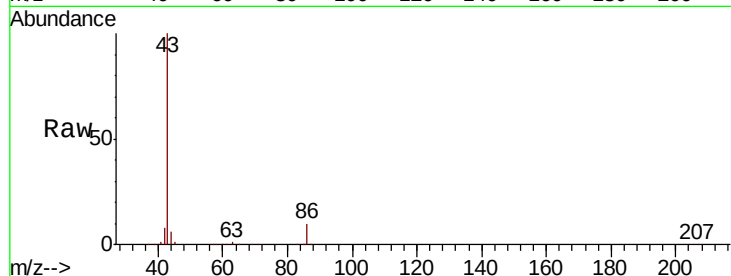
VSTDCCC050EC

Tot Ion: 43 Resp: 1093762

Ion Ratio Lower Upper

43 100

86 10.0 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

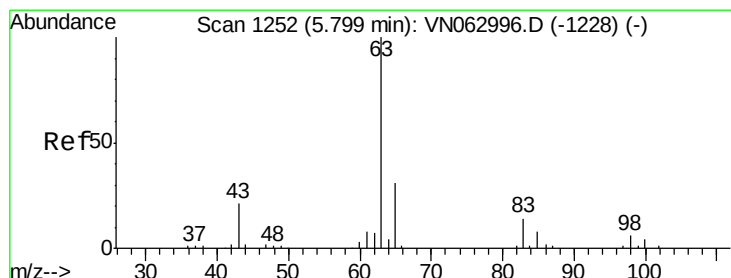
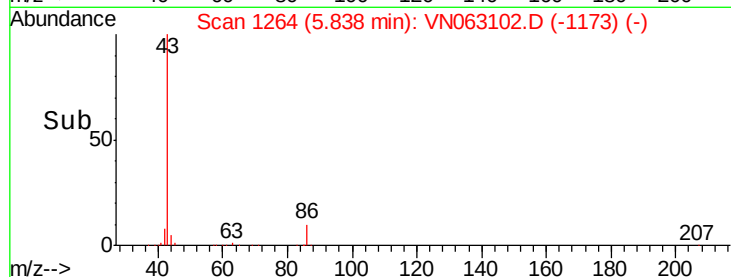
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.889 ug/l

RT: 5.78 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

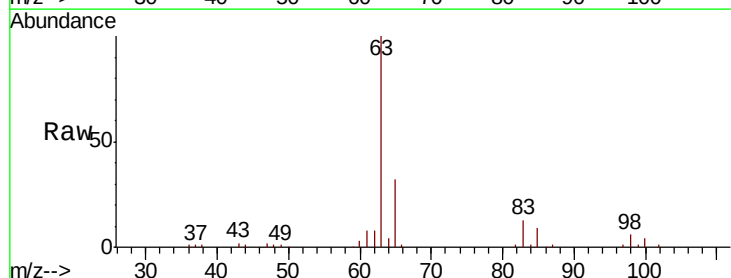
Tgt Ion: 63 Resp: 173560

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 3.9 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) (-)

5.78

60000

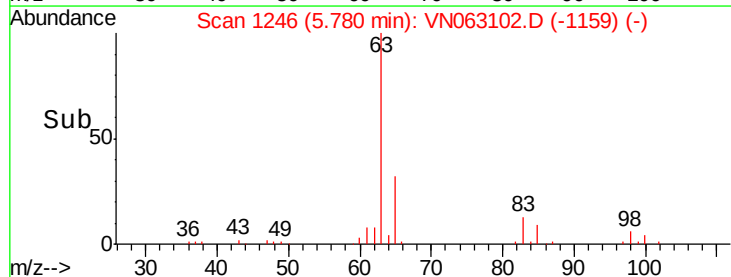
40000

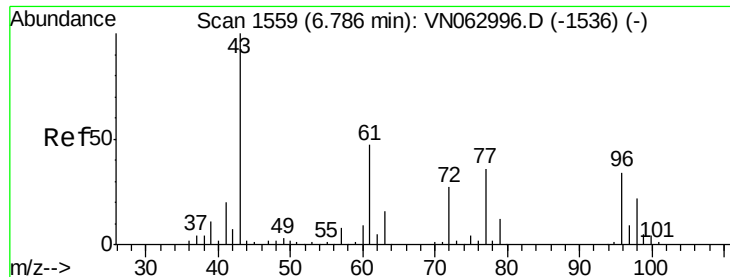
20000

0

5.70 5.80 5.90

Time-->

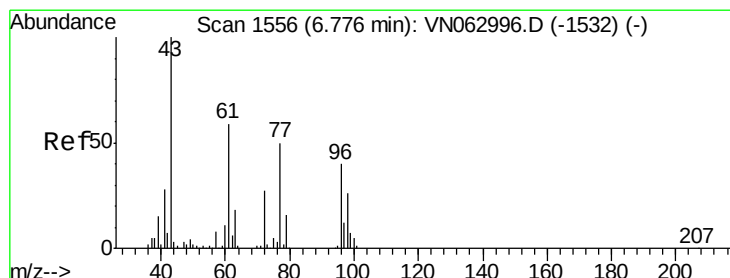
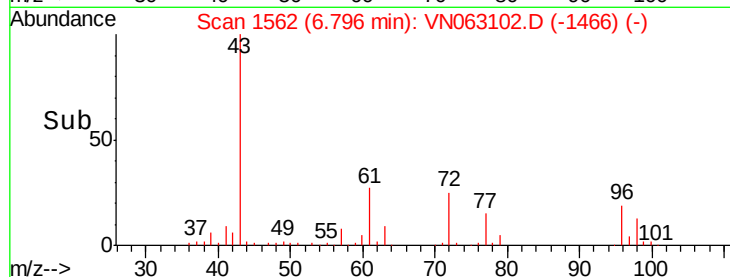
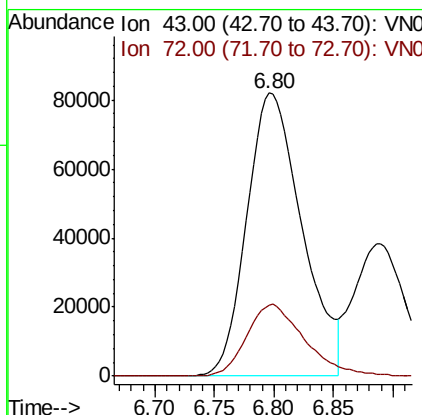
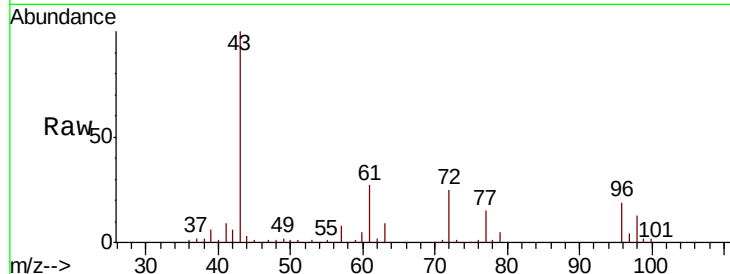




#25
2-Butanone
Concen: 227.706 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

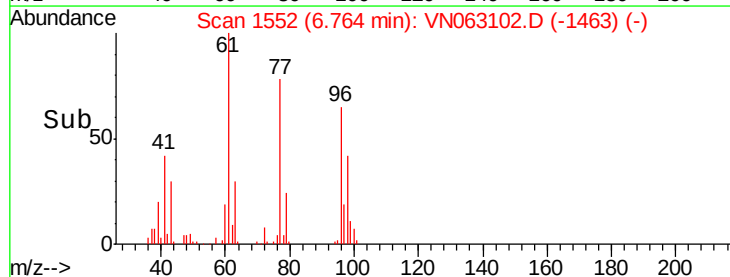
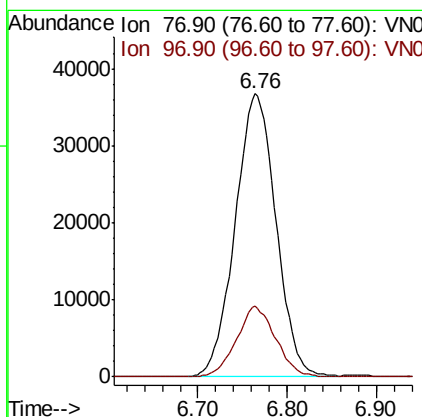
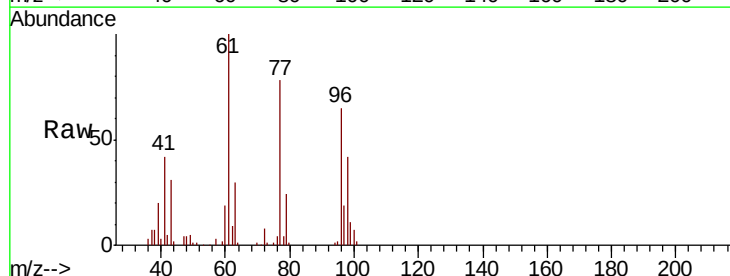
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

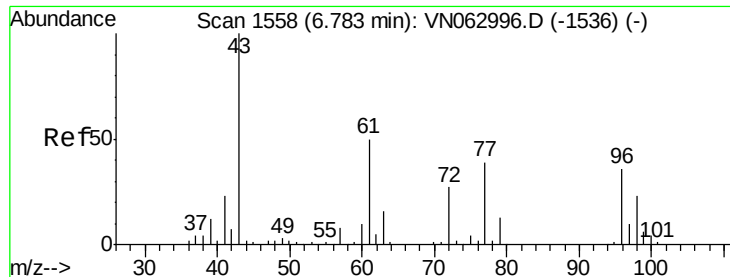
Tot Ion: 43 Resp: 262635
Ion Ratio Lower Upper
43 100
72 25.2 21.8 32.6



#26
2,2-Dichloropropane
Concen: 42.632 ug/l
RT: 6.76 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 77 Resp: 116641
Ion Ratio Lower Upper
77 100
97 24.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 48.521 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

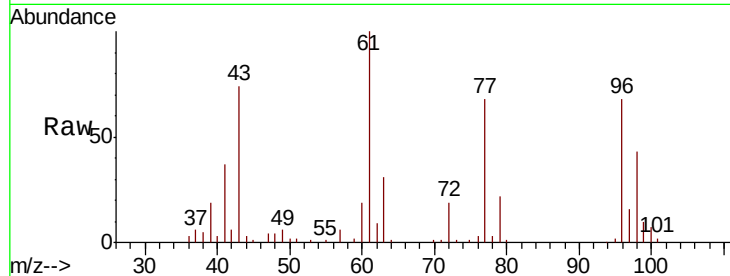
Tot Ion: 96 Resp: 99031

Ion Ratio Lower Upper

96 100

61 147.5 0.0 292.8

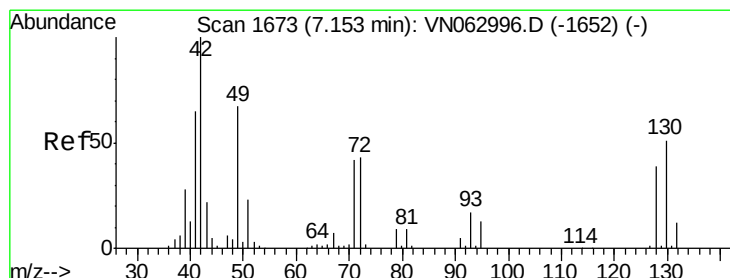
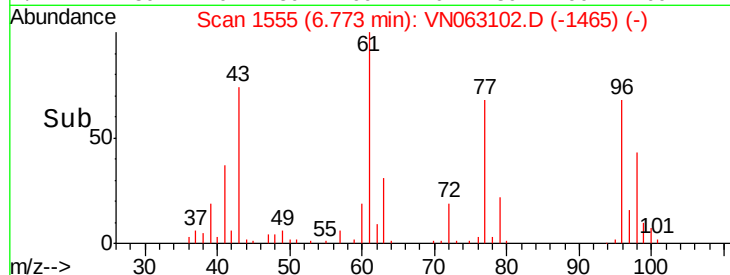
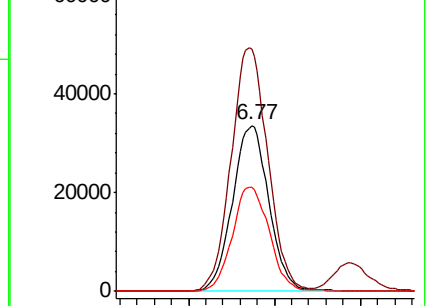
98 63.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.752 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

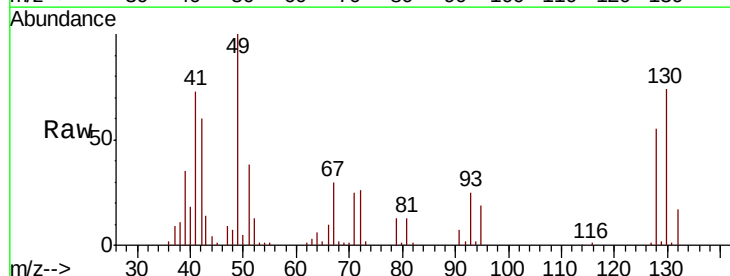
Tgt Ion: 49 Resp: 94203

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

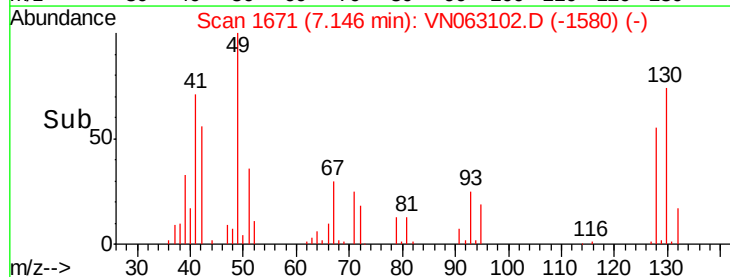
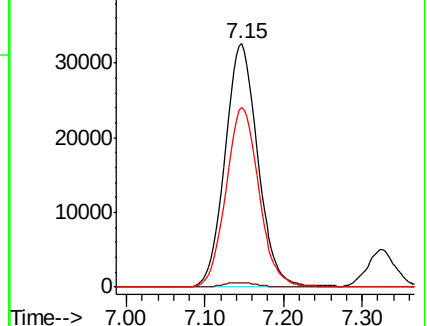
130 73.9 61.1 91.7

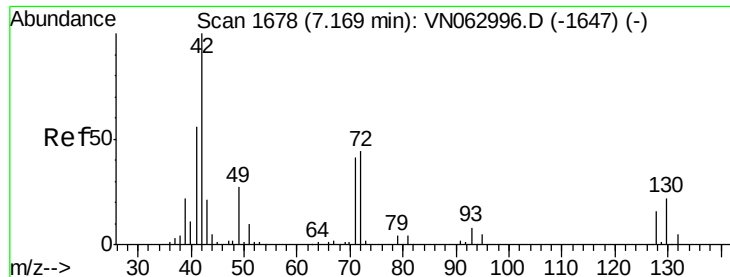


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

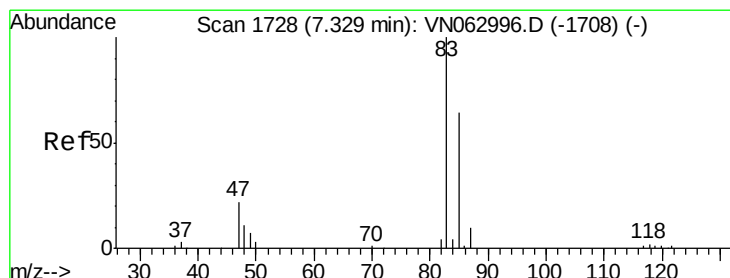
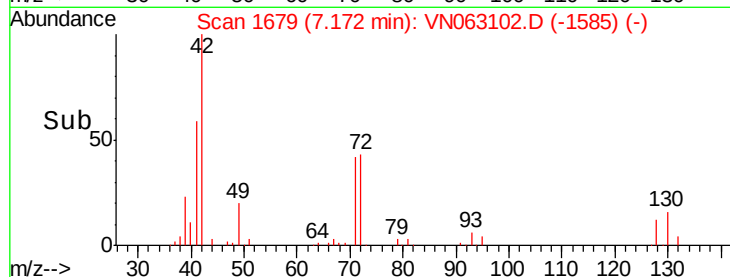
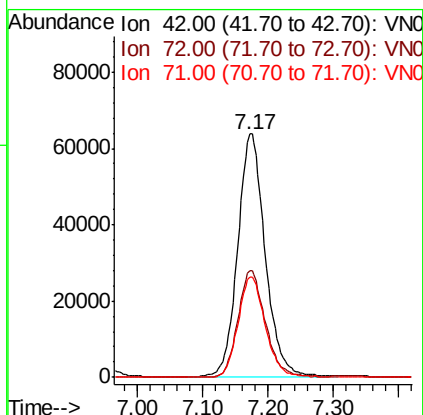
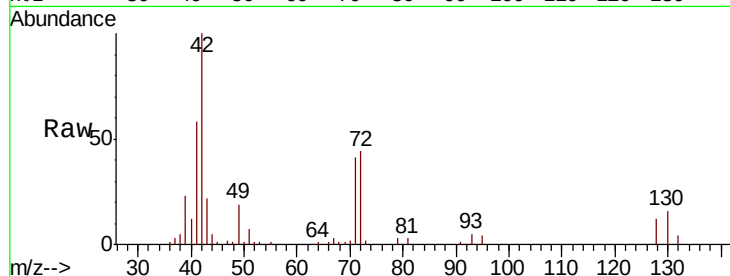




#29
Tetrahydrofuran
Concen: 252.845 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

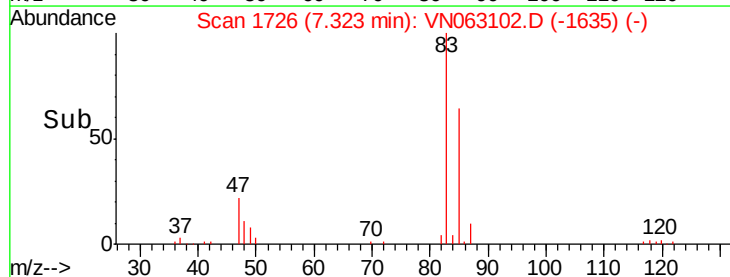
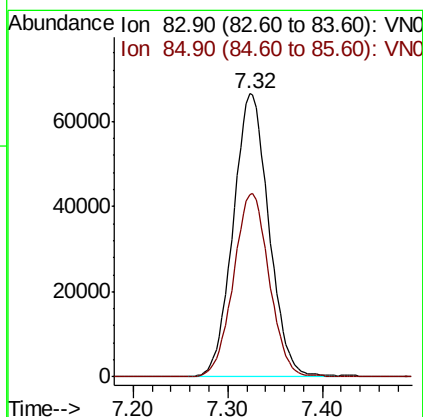
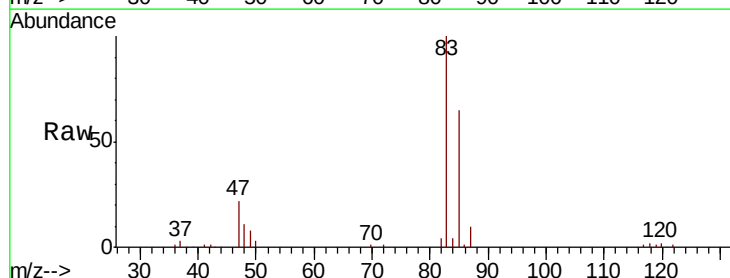
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

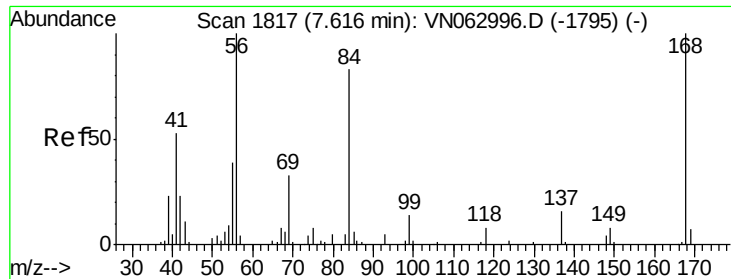
Tot Ion: 42 Resp: 188218
Ion Ratio Lower Upper
42 100
72 43.4 34.6 52.0
71 40.5 32.3 48.5



#30
Chloroform
Concen: 49.749 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 83 Resp: 174306
Ion Ratio Lower Upper
83 100
85 64.6 51.5 77.3

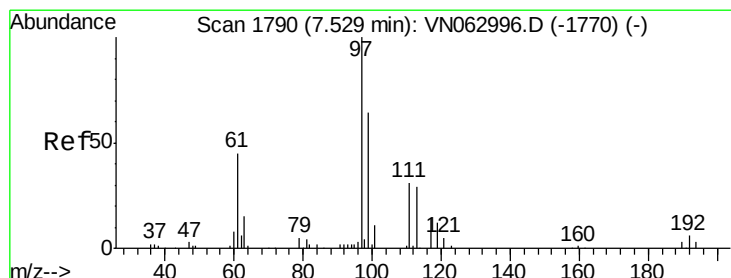
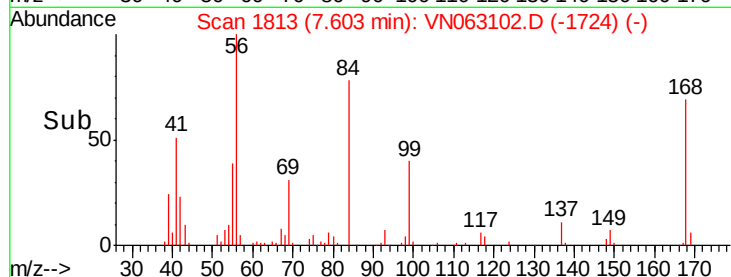
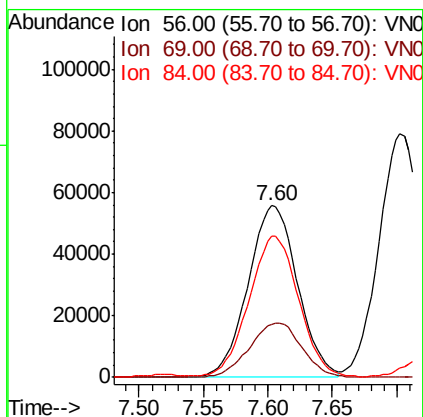
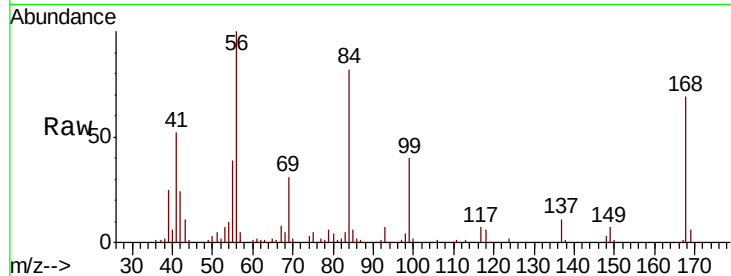




#31
Cyclohexane
Concen: 46.514 ug/l
RT: 7.60 min Scan# 1813
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

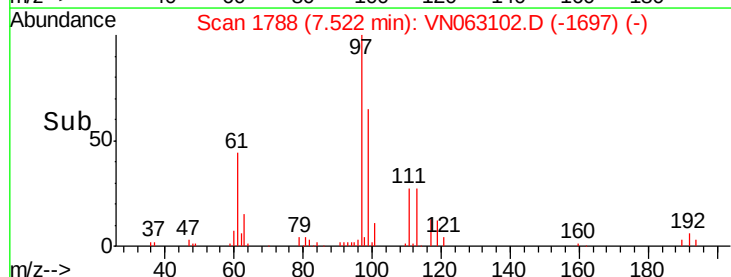
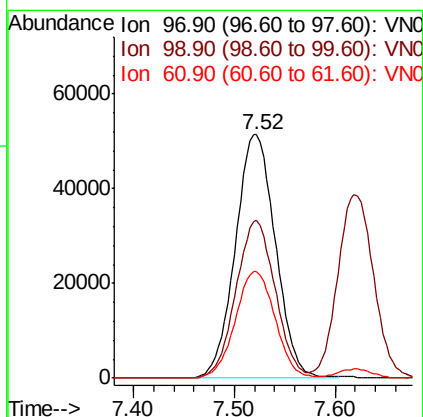
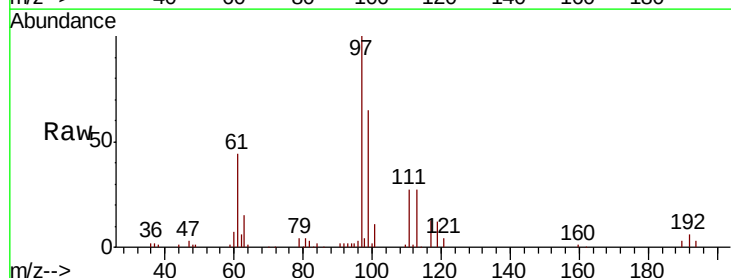
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

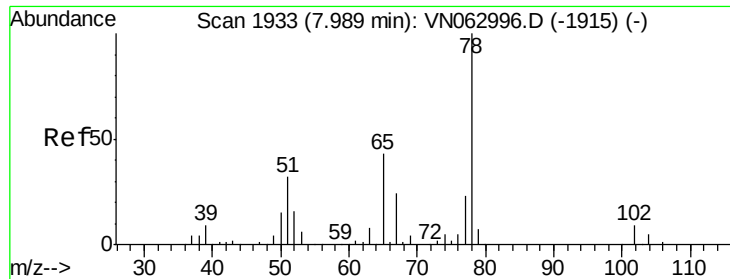
Tot Ion: 56 Resp: 148936
Ion Ratio Lower Upper
56 100
69 31.1 26.6 40.0
84 81.1 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 49.500 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 97 Resp: 141591
Ion Ratio Lower Upper
97 100
99 63.6 52.0 78.0
61 43.5 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 53.847 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

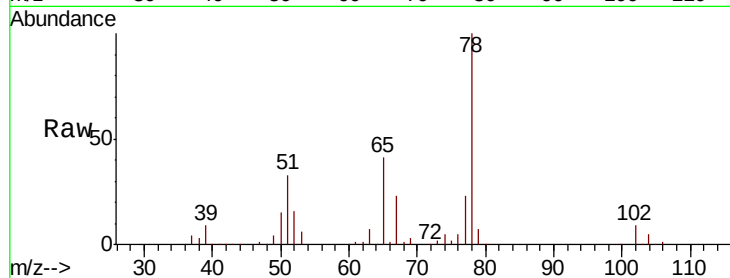
VSTDCCC050EC

Tot Ion: 65 Resp: 116983

Ion Ratio Lower Upper

65 100

67 54.5 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) (-)

7.99

50000

40000

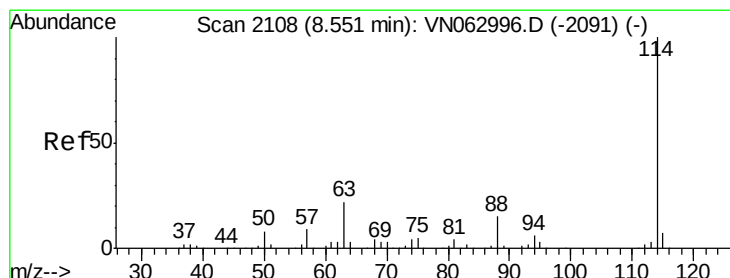
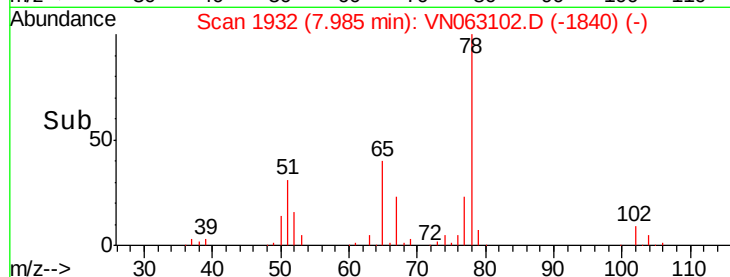
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

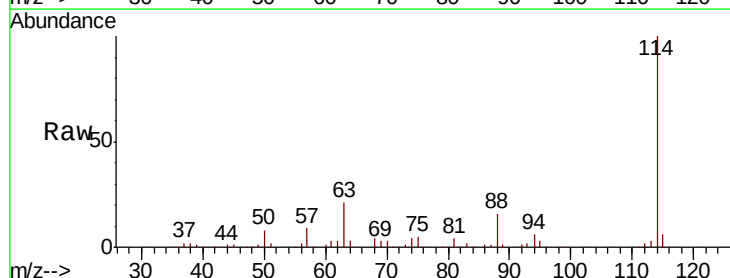
Tgt Ion: 114 Resp: 286523

Ion Ratio Lower Upper

114 100

63 21.0 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) (-)

8.55

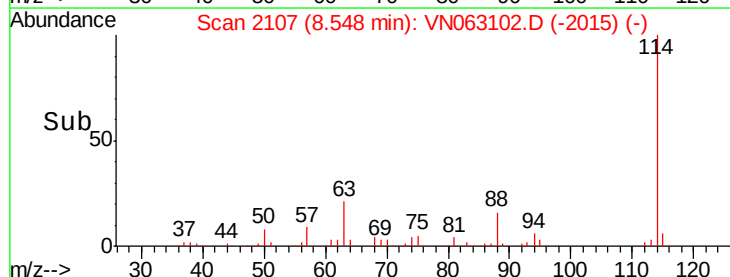
150000

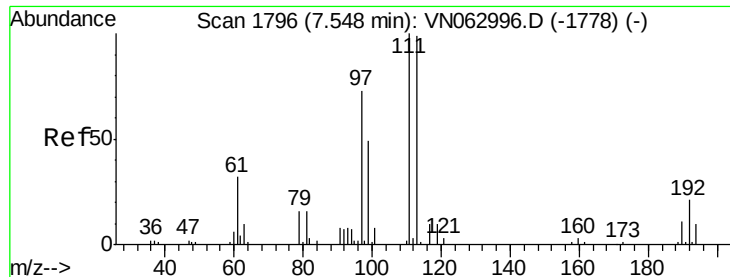
100000

50000

0

Time-->

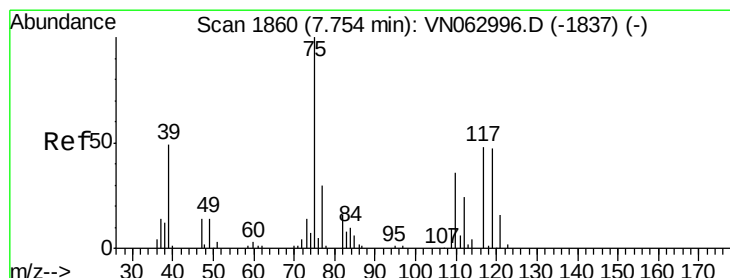
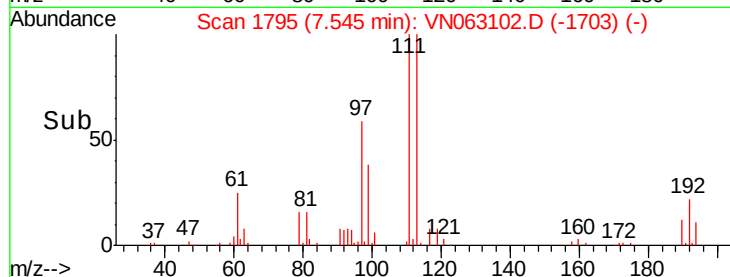
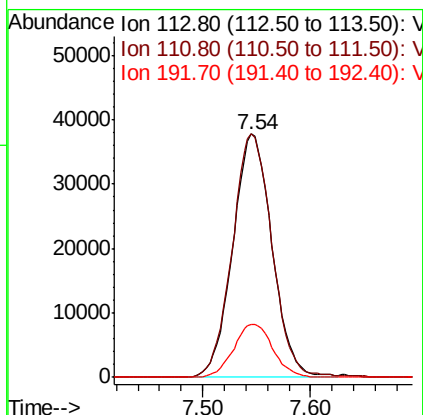
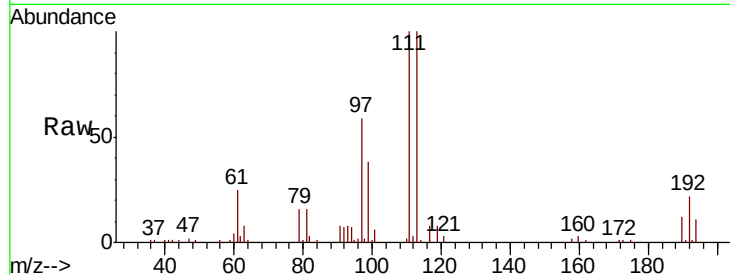




#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

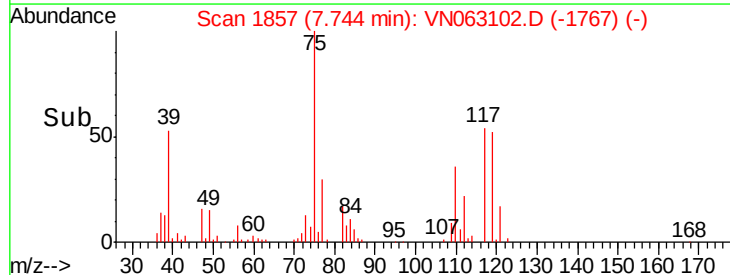
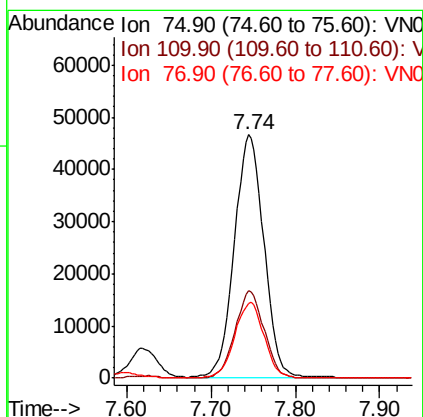
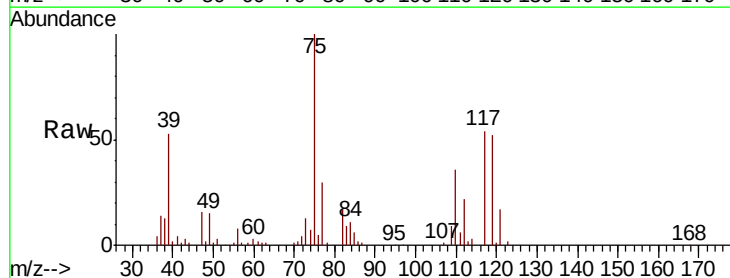
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

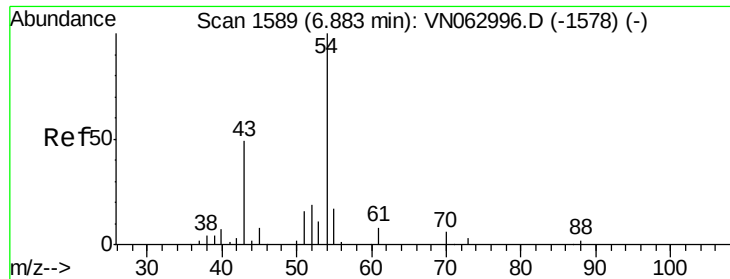
Tot Ion:113 Resp: 95798
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.7 122.5
 192 21.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 44.995 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 75 Resp: 113611
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.5 52.6
 77 31.2 24.2 36.4

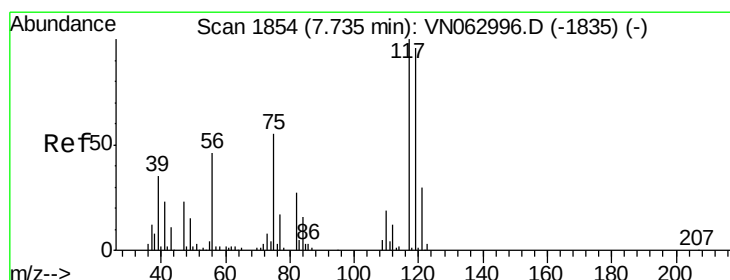
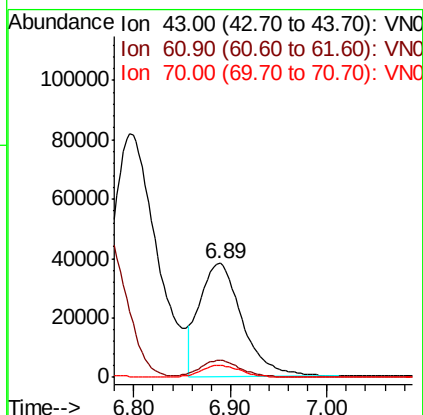
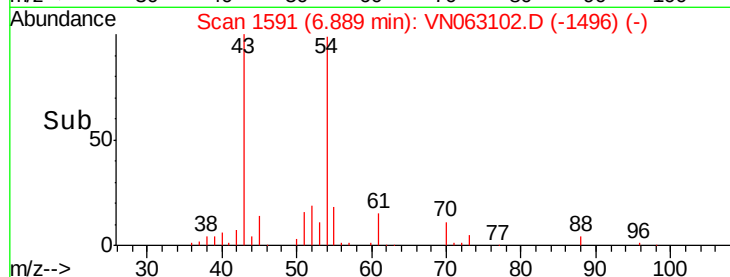
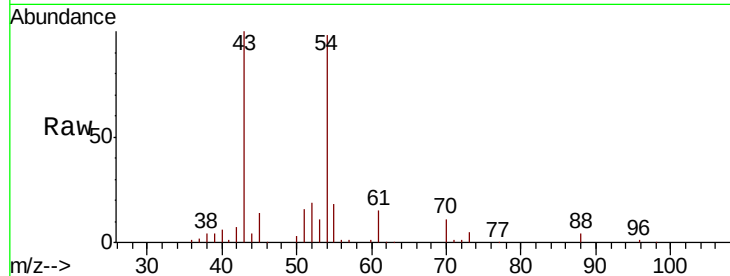




#37
Ethyl Acetate
Concen: 49.277 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

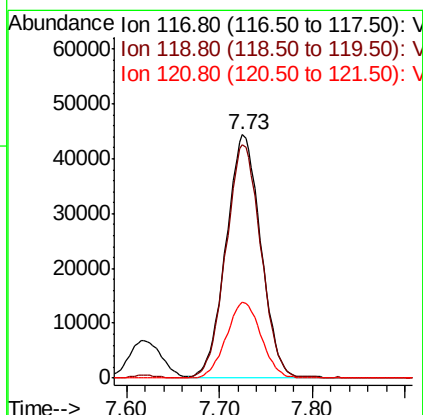
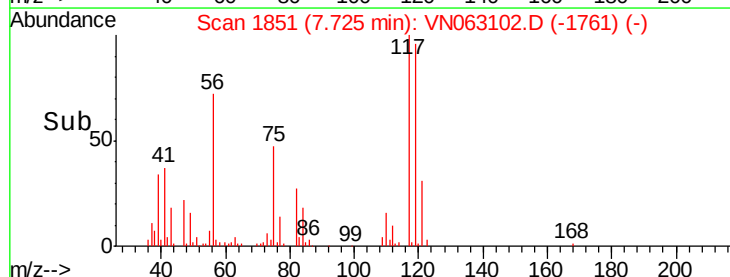
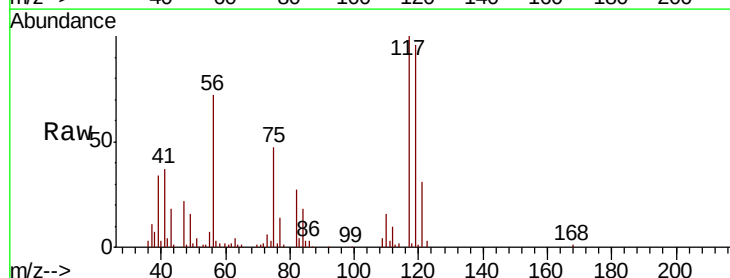
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

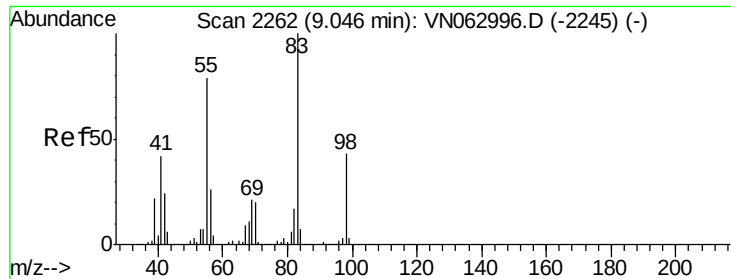
Tot Ion: 43 Resp: 116586
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 45.386 ug/l
RT: 7.73 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 117 Resp: 115697
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.4
121 31.1 24.2 36.2

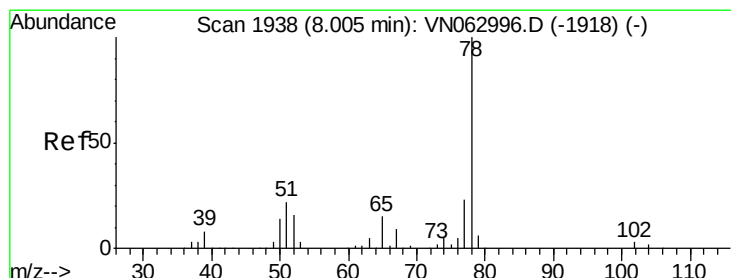
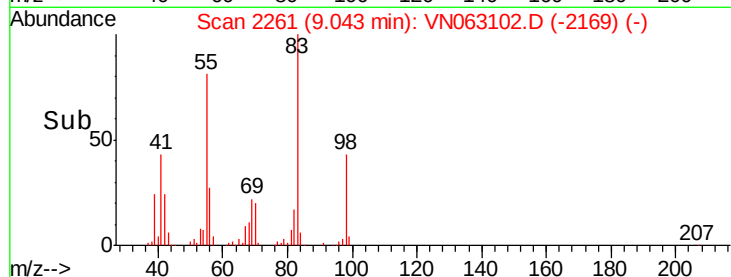
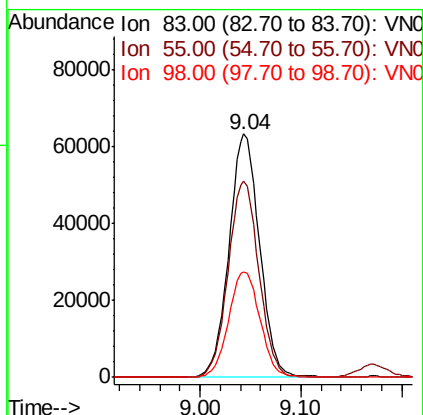
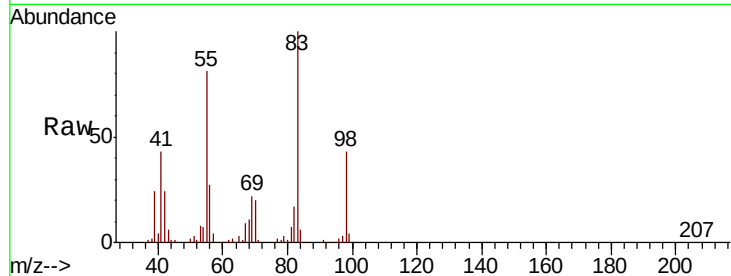




#39
Methylvlcyclohexane
Concen: 39.522 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

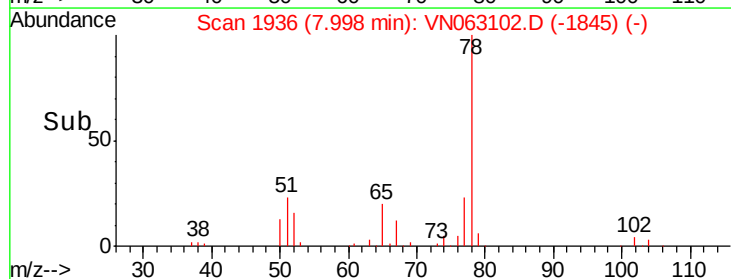
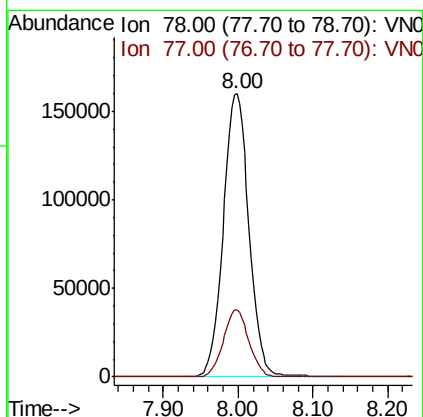
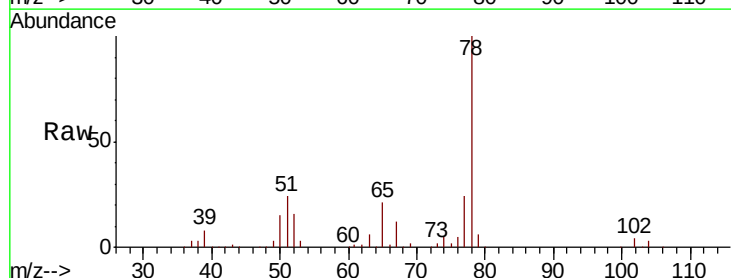
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

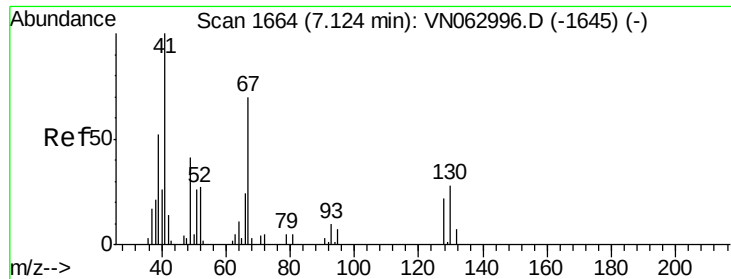
Tot Ion: 83 Resp: 133576
Ion Ratio Lower Upper
83 100
55 80.8 63.3 94.9
98 43.5 34.2 51.4



#40
Benzene
Concen: 47.245 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 78 Resp: 378353
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

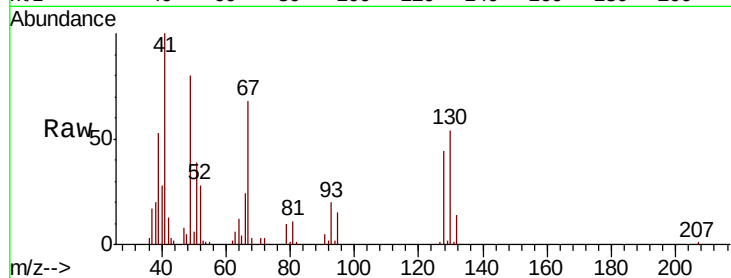




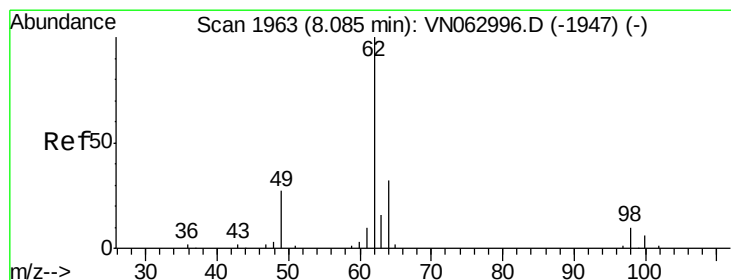
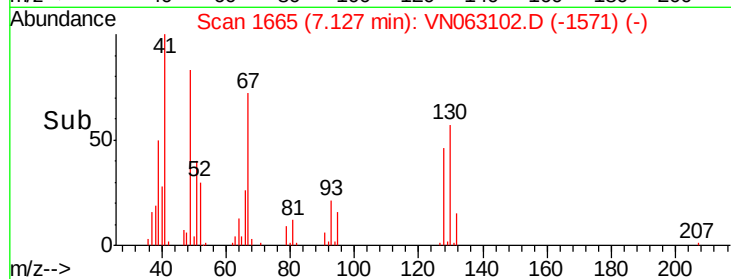
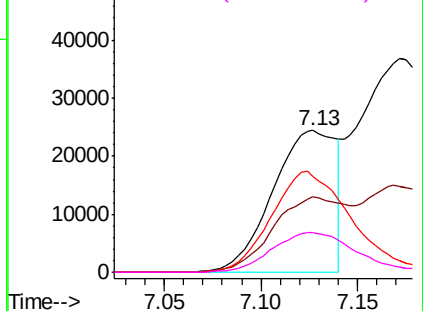
#41
Methacrylonitrile
Concen: 49.400 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 55687
Ion Ratio Lower Upper
41 100
39 60.8 41.6 62.4
67 91.3 71.8 107.8
52 38.0 28.2 42.4

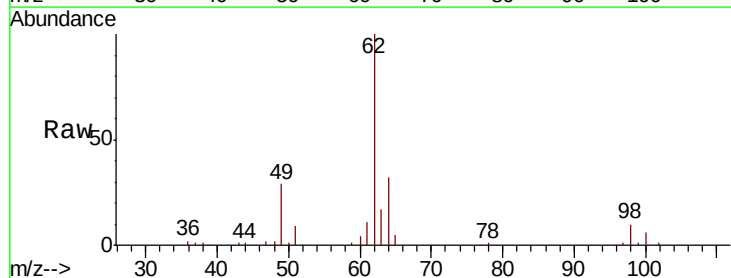


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

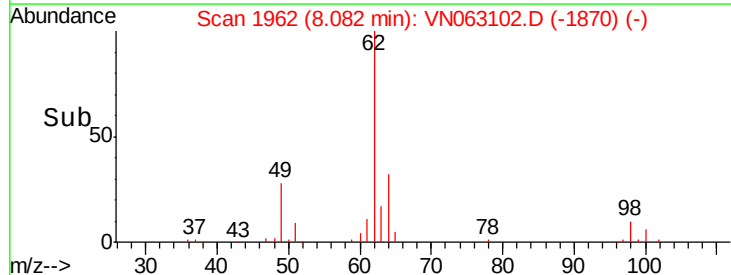
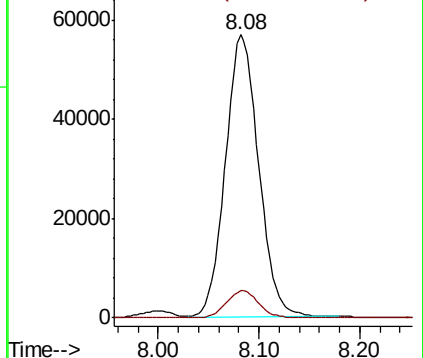


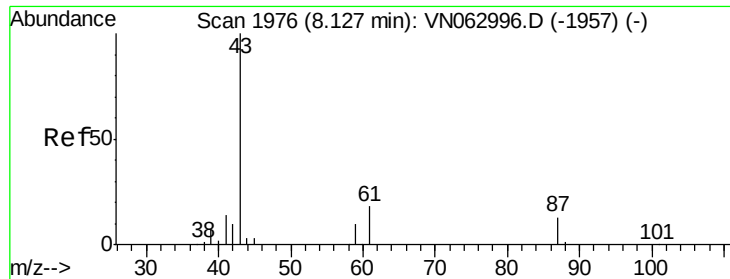
#42
1,2-Dichloroethane
Concen: 48.621 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 62 Resp: 130741
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 49.094 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

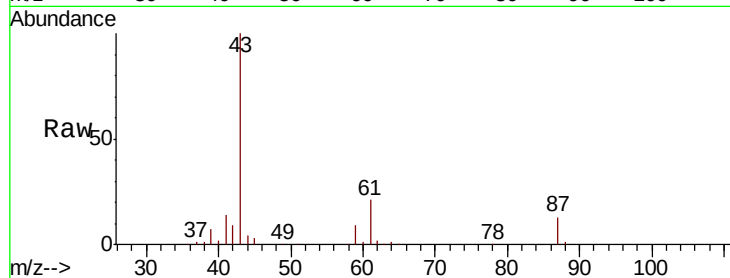
Tot Ion: 43 Resp: 192430

Ion Ratio Lower Upper

43 100

61 21.4 22.6 33.8#

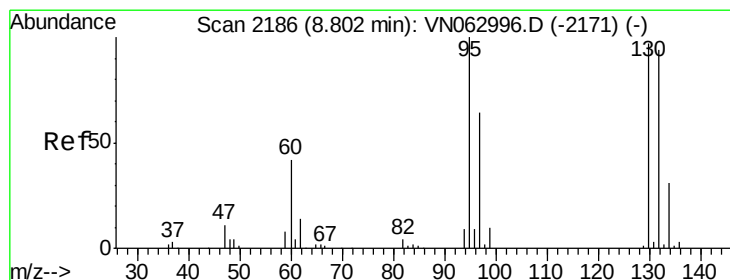
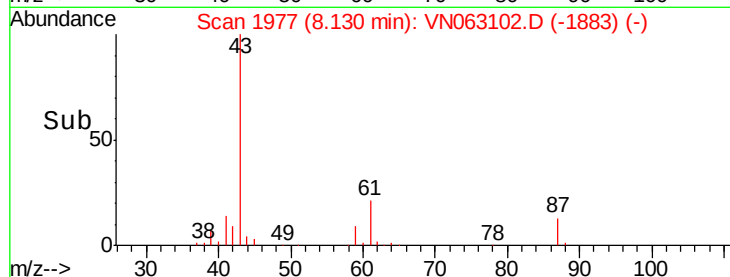
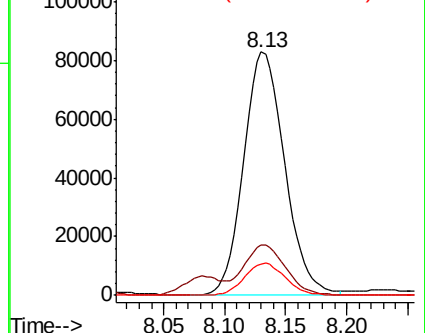
87 13.3 10.5 15.7



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: 44.930 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN063102.D

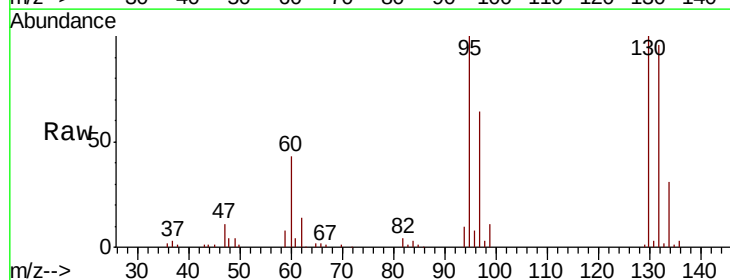
Acq: 24 Aug 2020 17:53

Tgt Ion:130 Resp: 89503

Ion Ratio Lower Upper

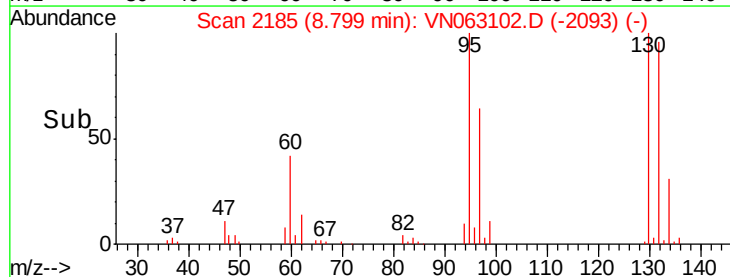
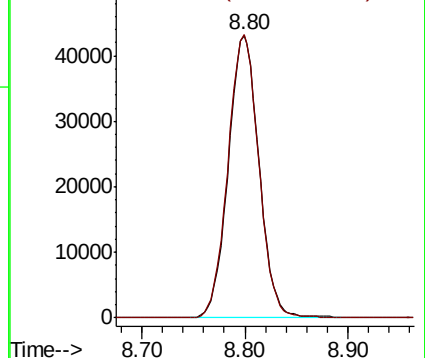
130 100

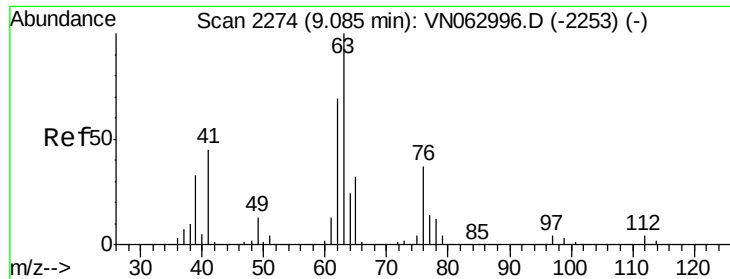
95 100.1 0.0 205.6



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

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

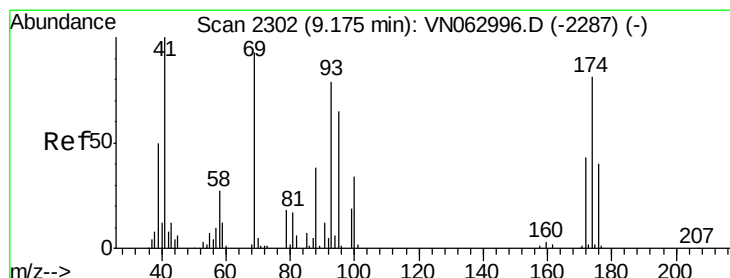
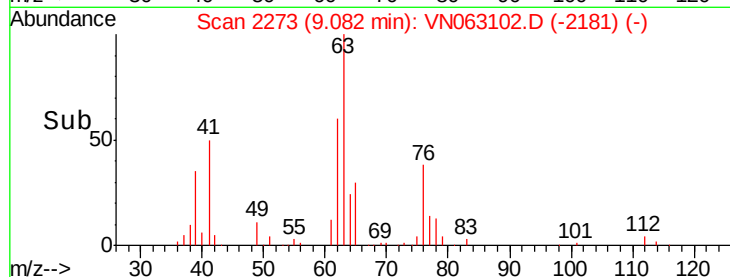
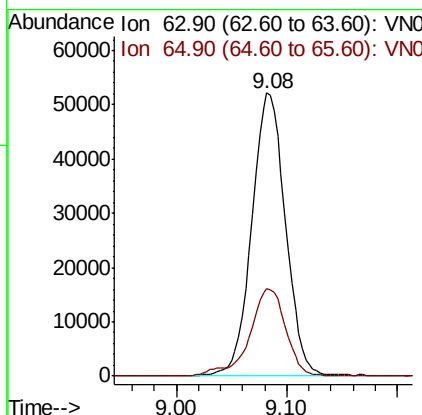
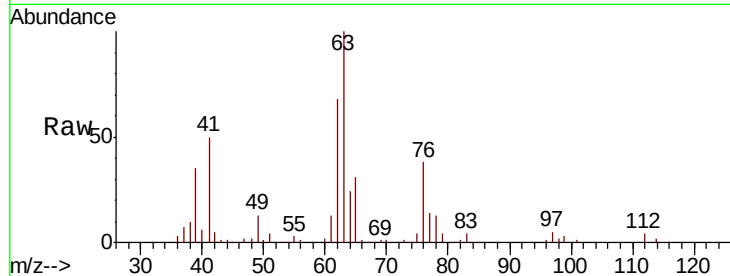




#45
 1,2-Dichloropropane
 Concen: 47.681 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

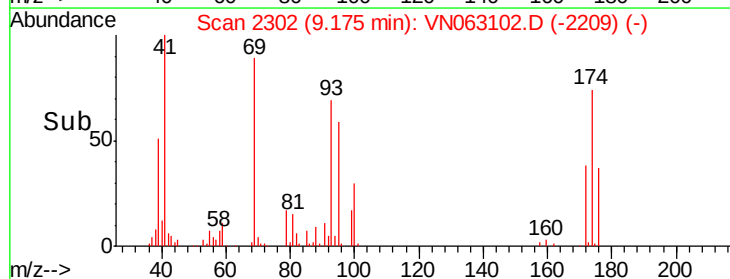
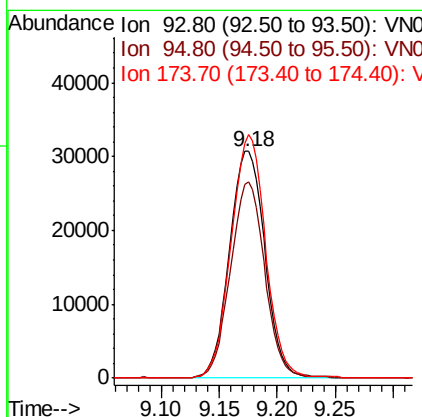
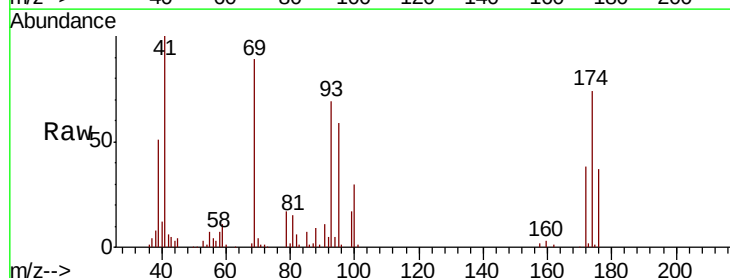
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

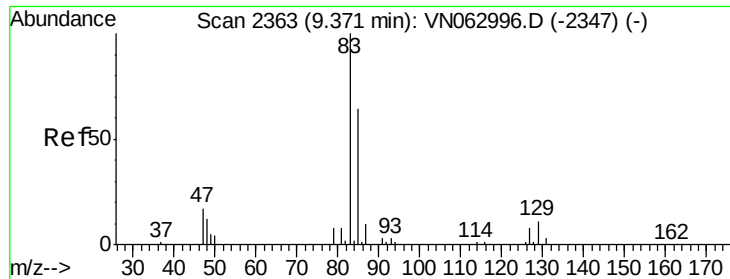
Tot Ion: 63 Resp: 110377
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4



#46
 Dibromomethane
 Concen: 48.672 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 93 Resp: 65089
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.4
 174 104.3 84.6 127.0

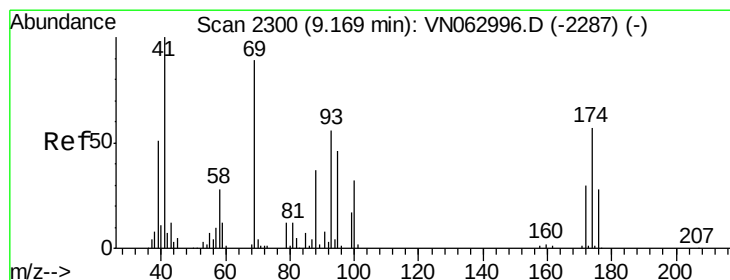
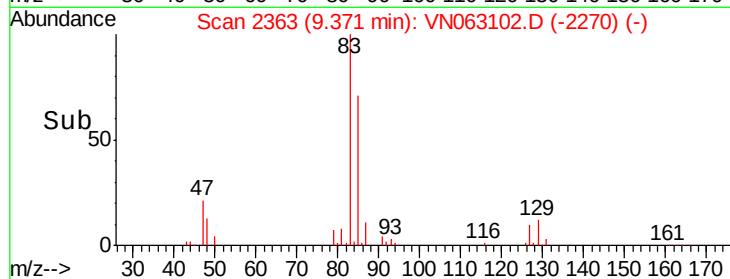
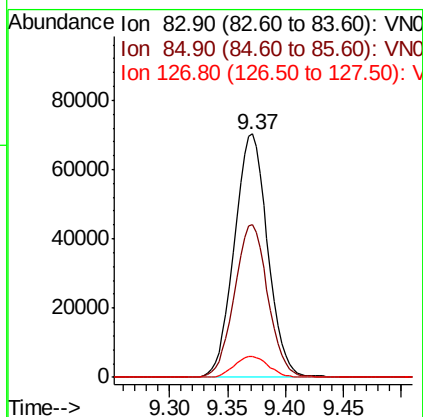
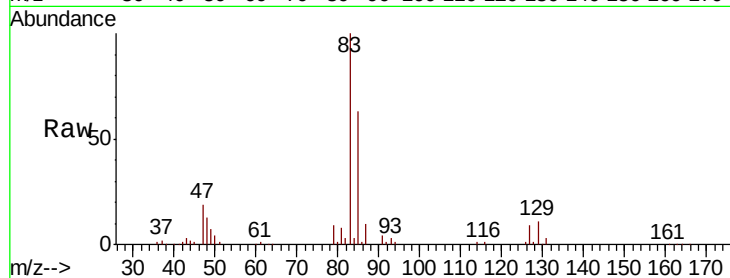




#47
 Bromodichloromethane
 Concen: 47.727 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

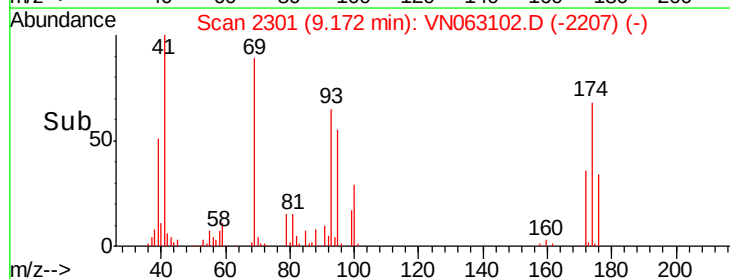
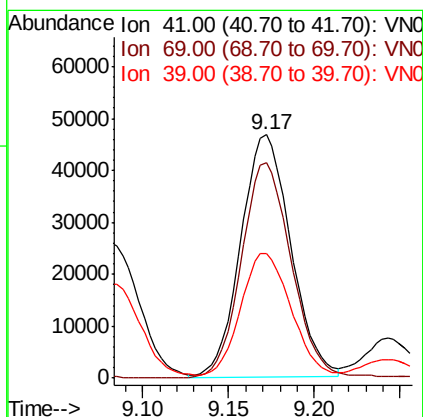
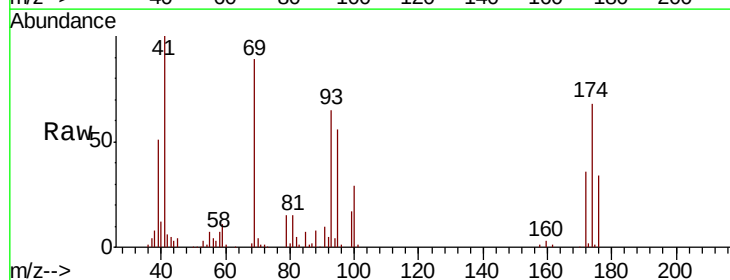
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

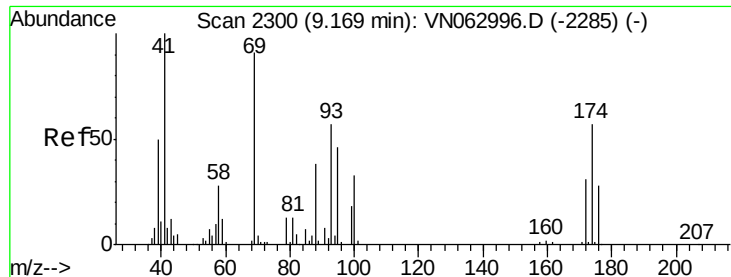
Tot Ion: 83 Resp: 139791
 Ion Ratio Lower Upper
 83 100
 85 62.8 51.1 76.7
 127 8.6 6.6 9.8



#48
 Methyl methacrylate
 Concen: 51.101 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 41 Resp: 94770
 Ion Ratio Lower Upper
 41 100
 69 88.9 74.2 111.4
 39 52.6 42.5 63.7

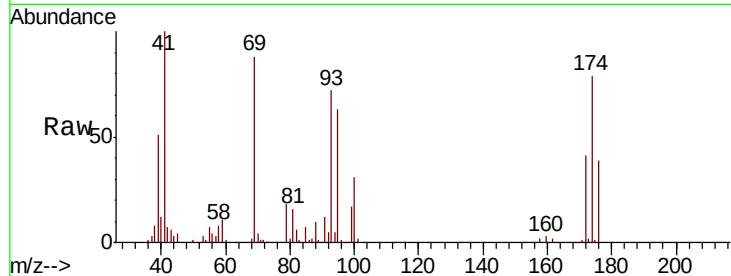




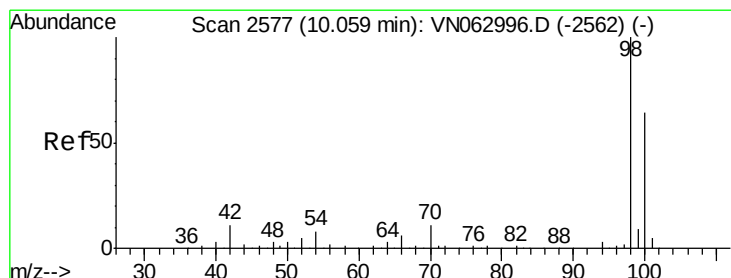
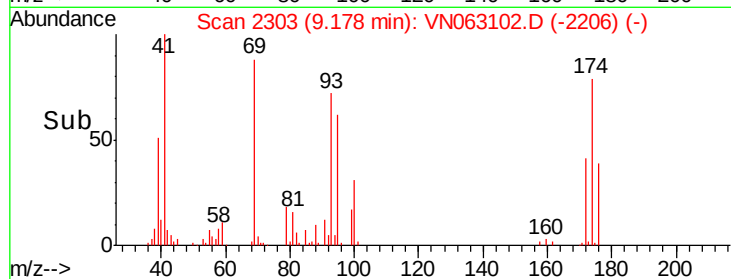
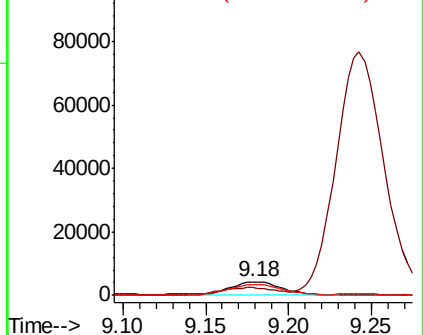
#49
 1,4-Dioxane
 Concen: 240.123 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 9318
 Ion Ratio Lower Upper
 88 100
 43 51.6 25.2 37.8#
 58 85.8 56.7 85.1#

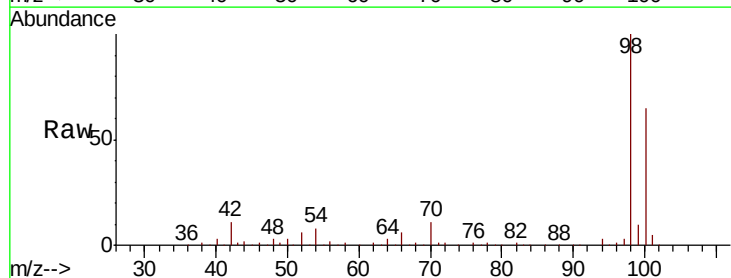


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

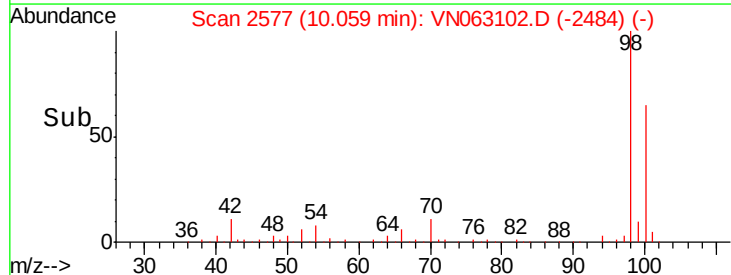
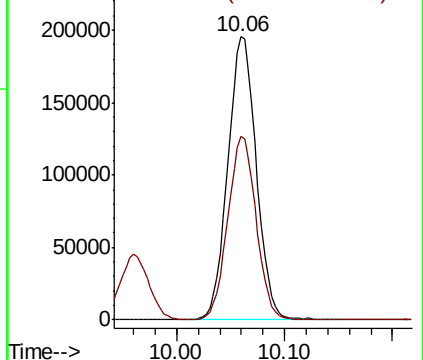


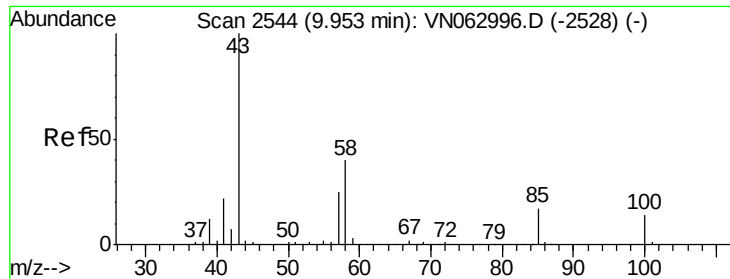
#50
 Toluene-d8
 Concen: 50.213 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 98 Resp: 360082
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.2 76.8



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

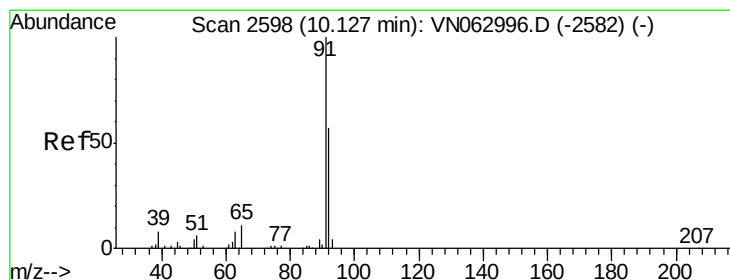
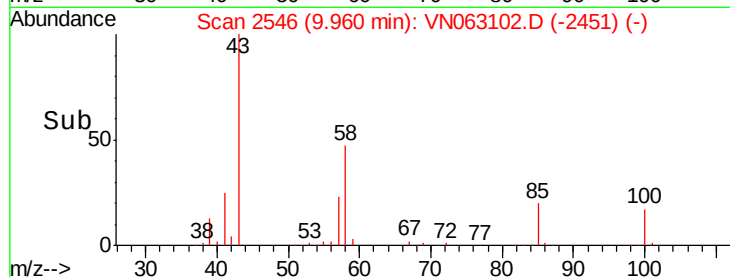
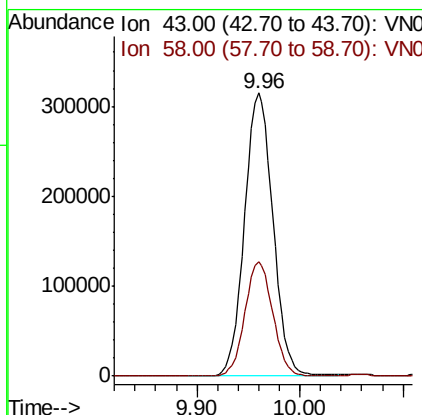
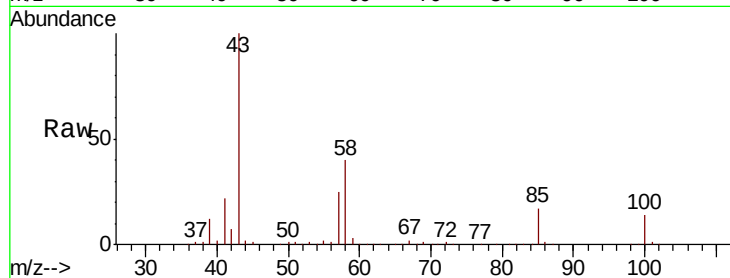




#51
 4-Methyl-2-Pentanone
 Concen: 242.504 ug/l
 RT: 9.96 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

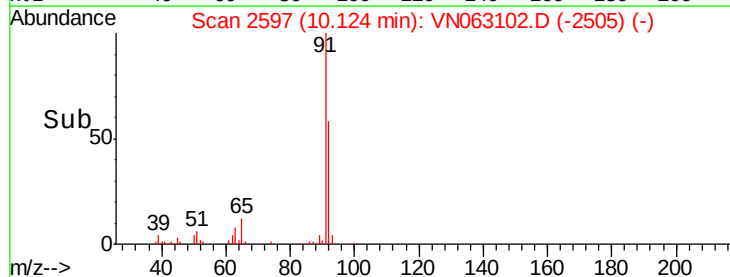
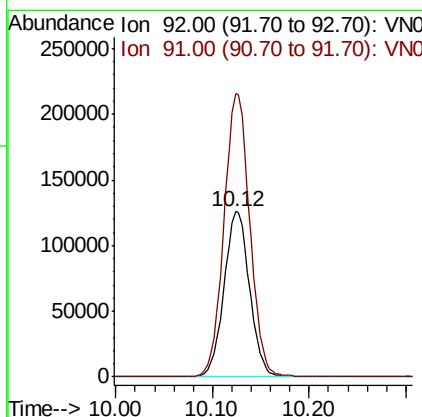
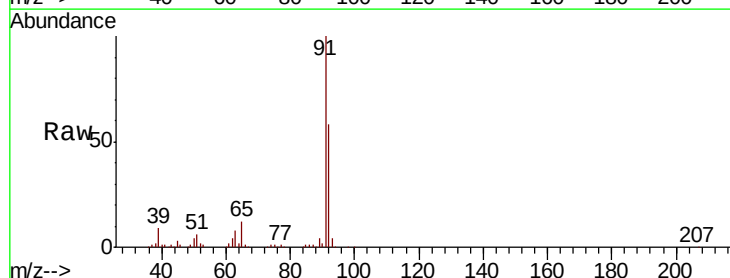
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

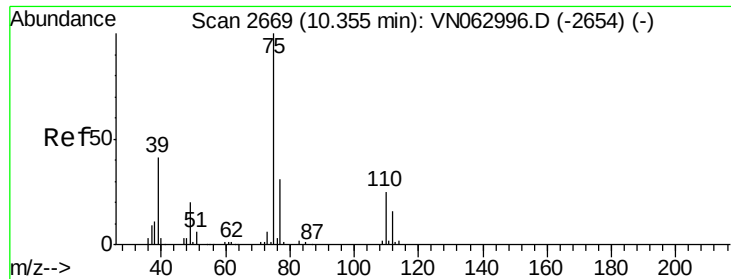
Tot Ion: 43 Resp: 600817
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.2 48.2



#52
 Toluene
 Concen: 47.633 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 92 Resp: 230112
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 48.250 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

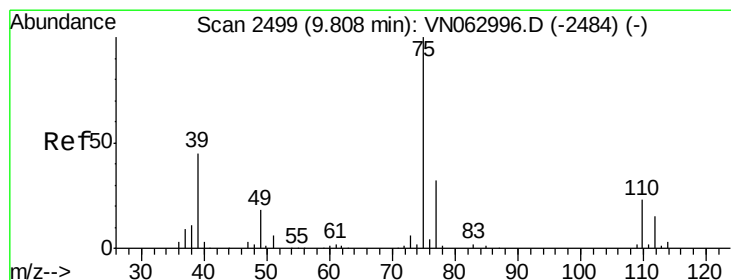
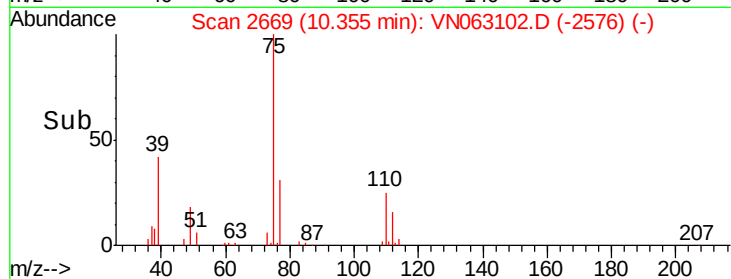
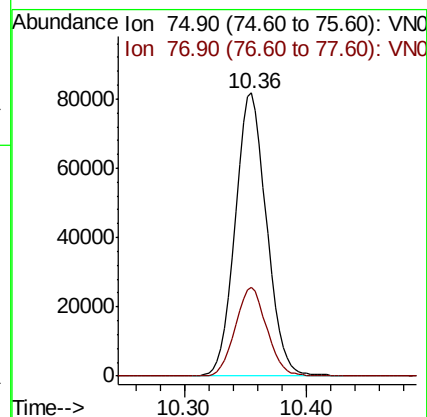
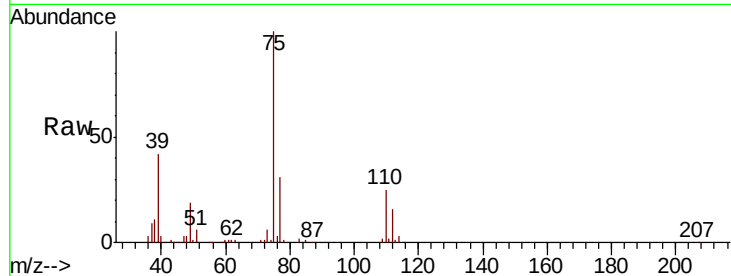
VSTDCCC050EC

Tot Ion: 75 Resp: 146146

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 48.370 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

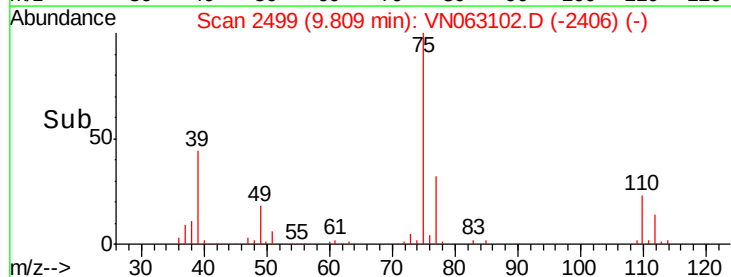
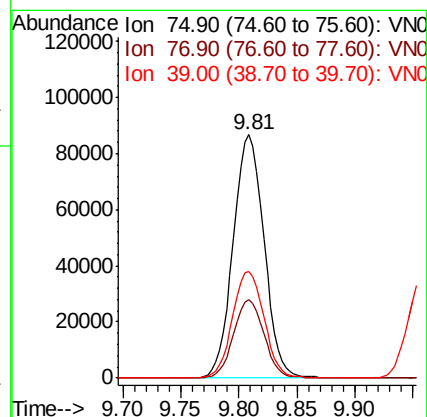
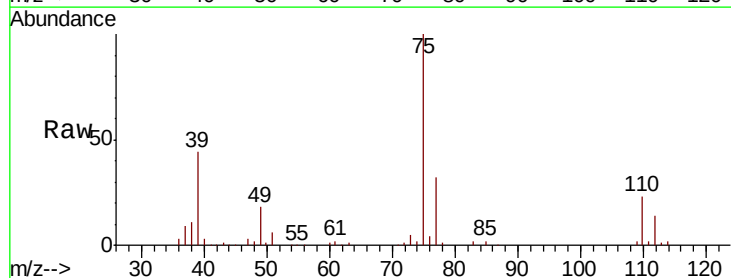
Tgt Ion: 75 Resp: 160718

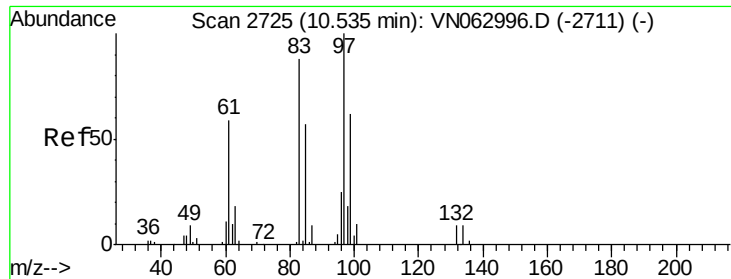
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 43.9 35.7 53.5

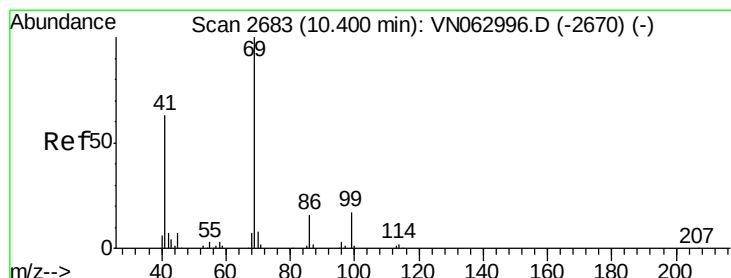
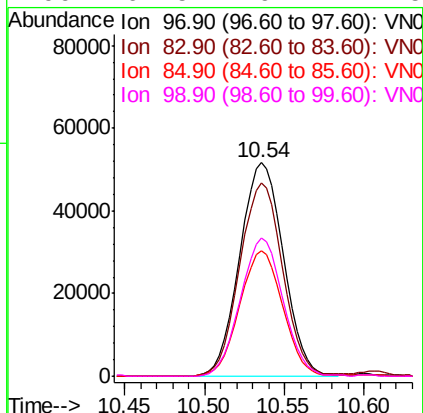
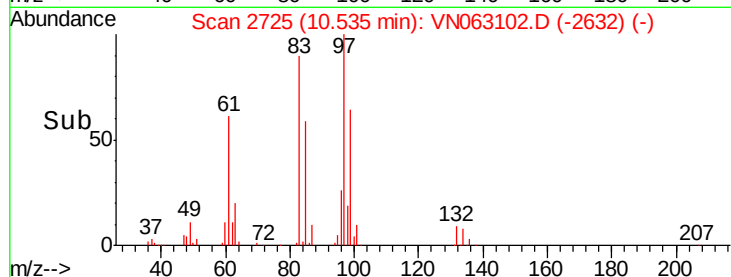
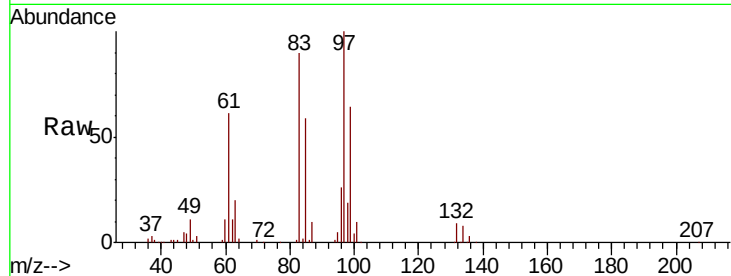




#55
 1,1,2-Trichloroethane
 Concen: 46.887 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

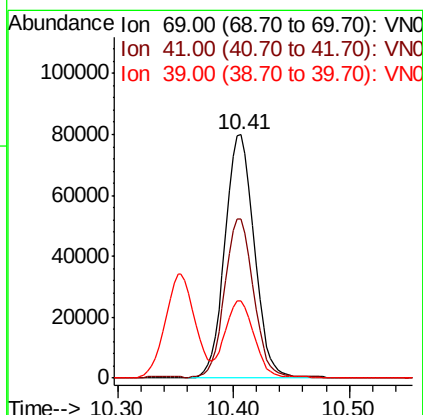
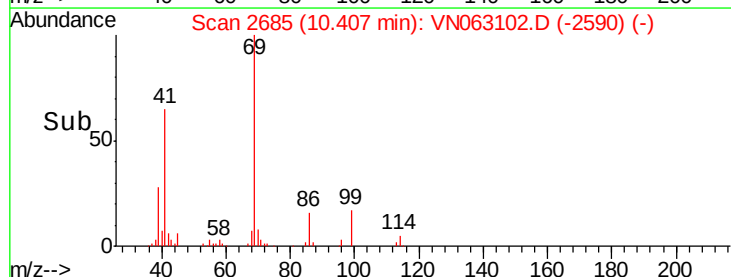
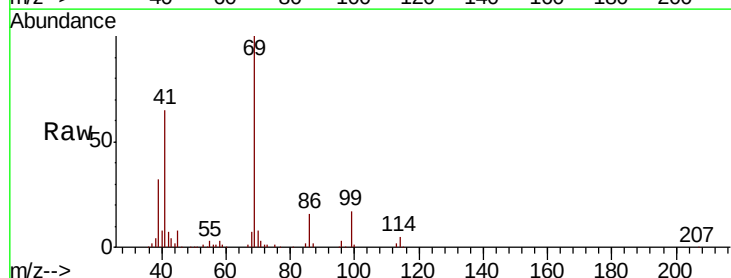
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

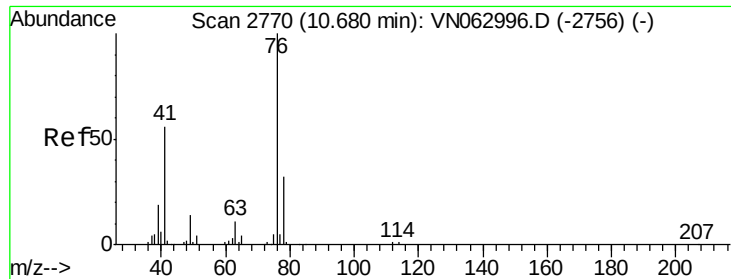
Tot Ion:	97	Resp:	96852
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.5	105.7
85	59.0	45.8	68.6
99	64.5	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 44.169 ug/l
 RT: 10.41 min Scan# 2685
 Delta R.T. 0.01 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion:	69	Resp:	140244
Ion	Ratio	Lower	Upper
69	100		
41	64.1	50.2	75.2
39	30.7	24.2	36.4

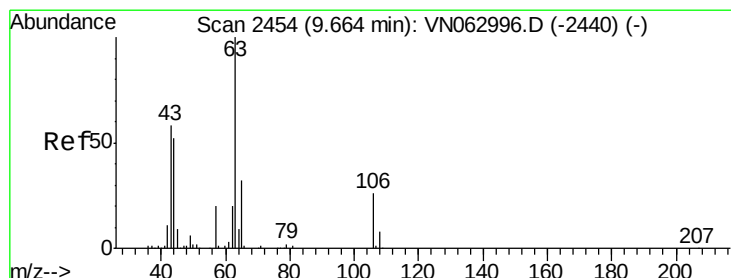
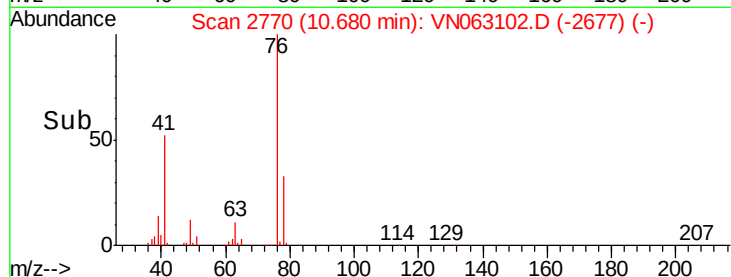
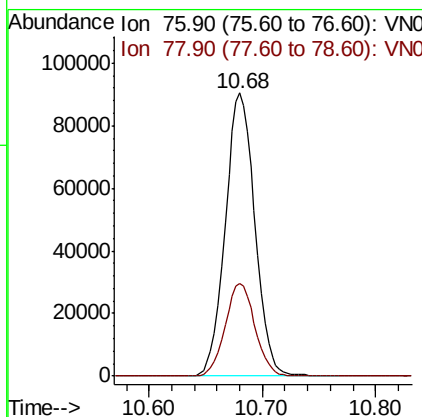
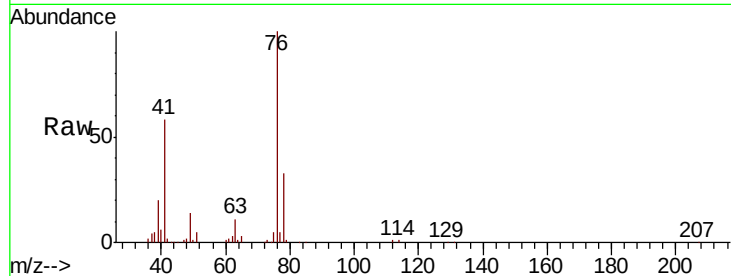




#57
 1,3-Dichloropropane
 Concen: 47.859 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

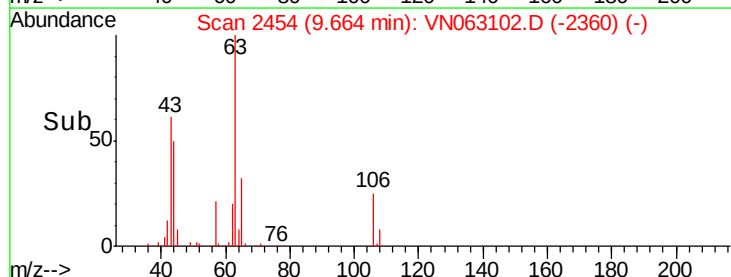
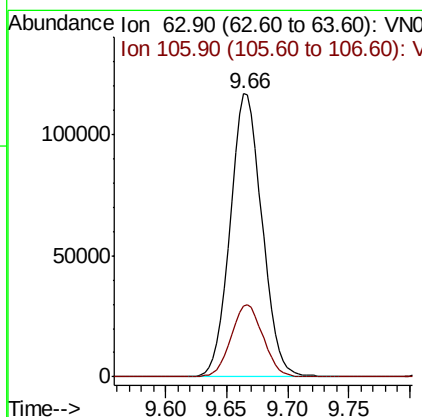
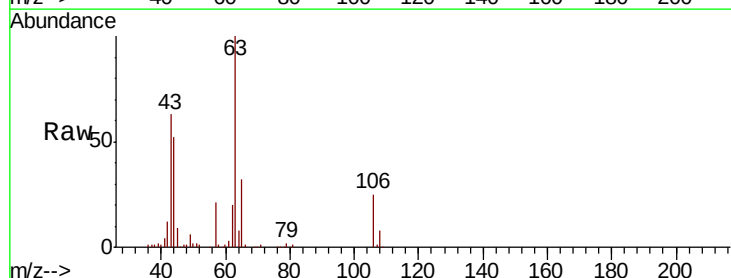
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

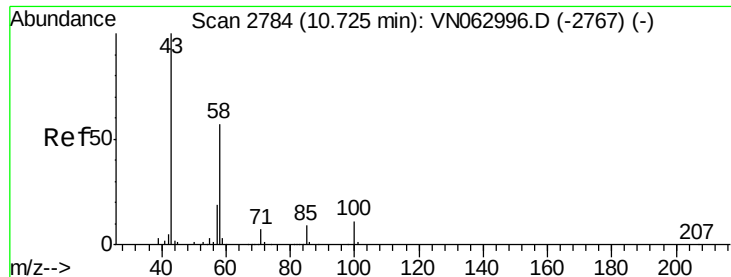
Tot Ion: 76 Resp: 164163
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.355 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 63 Resp: 212951
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1

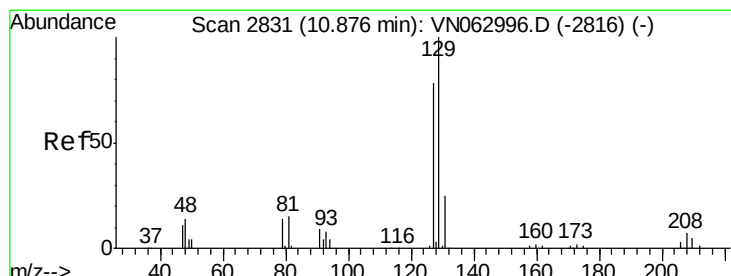
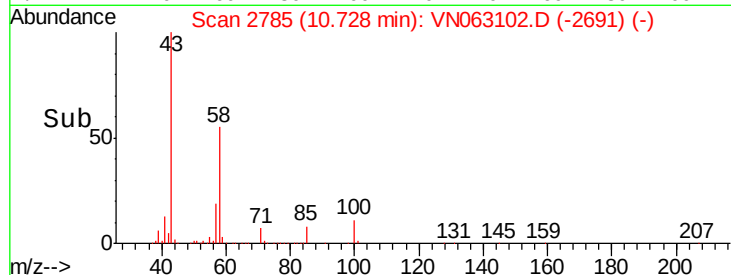
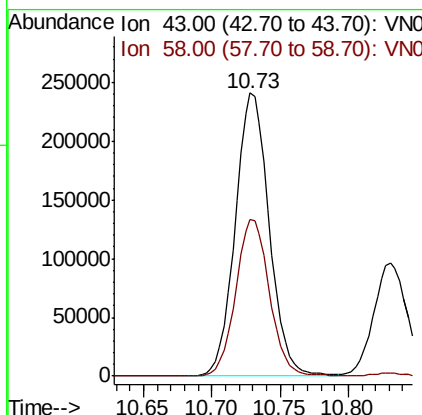
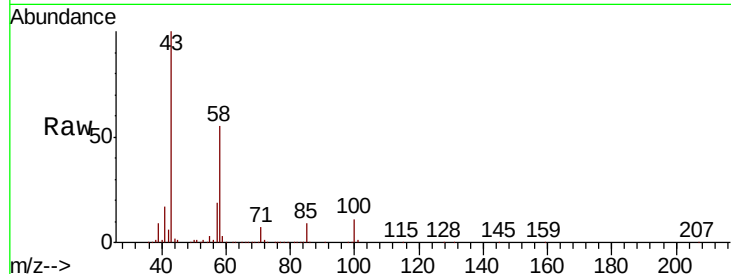




#59
2-Hexanone
Concen: 239.374 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

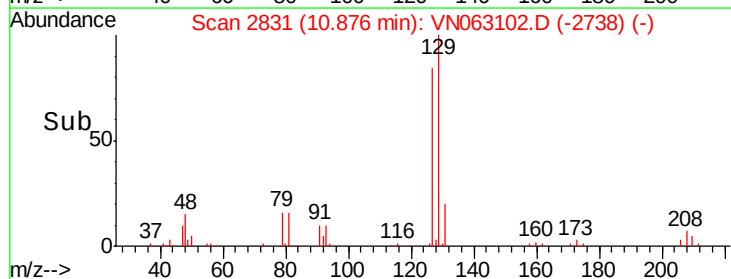
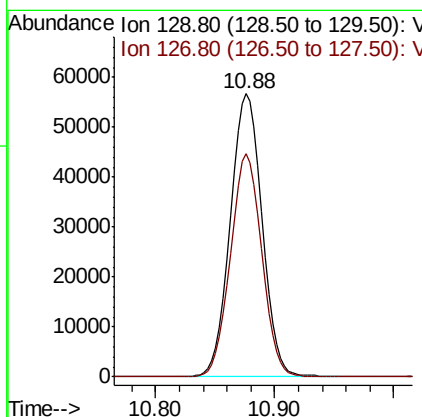
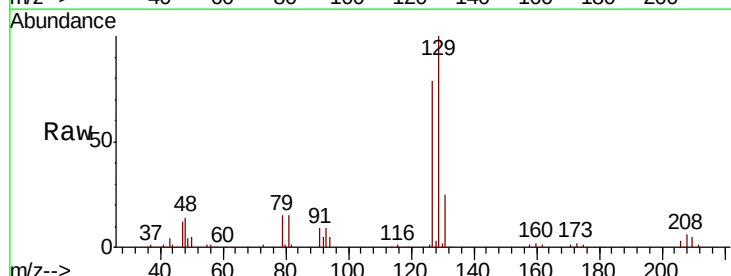
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

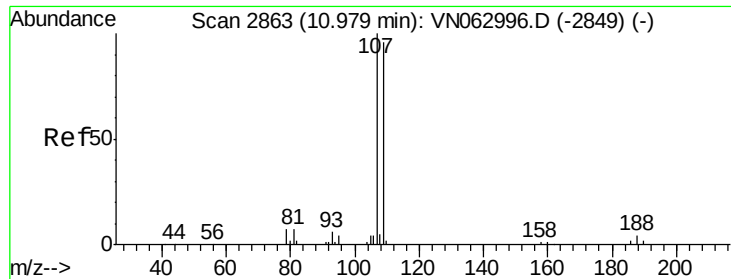
Tot Ion: 43 Resp: 413676
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.3



#60
Dibromochloromethane
Concen: 45.994 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 129 Resp: 105143
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 48.372 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

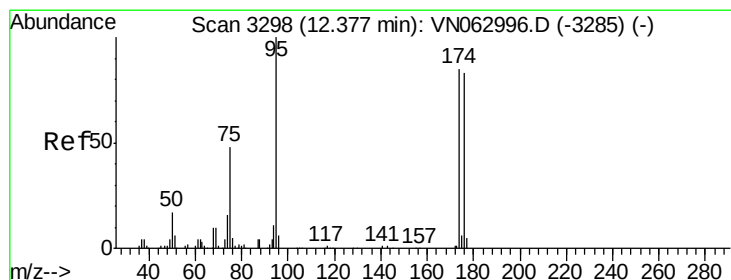
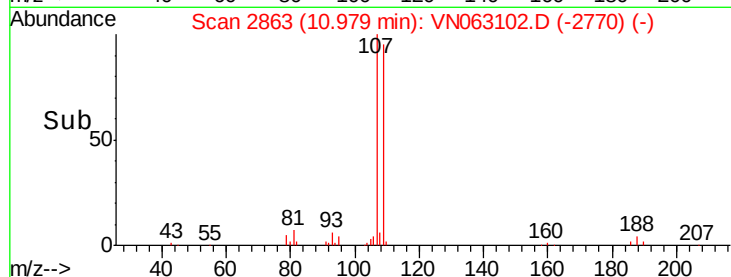
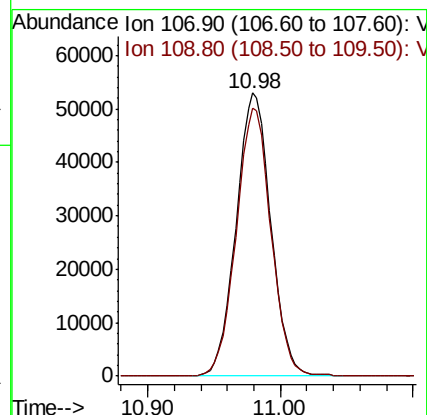
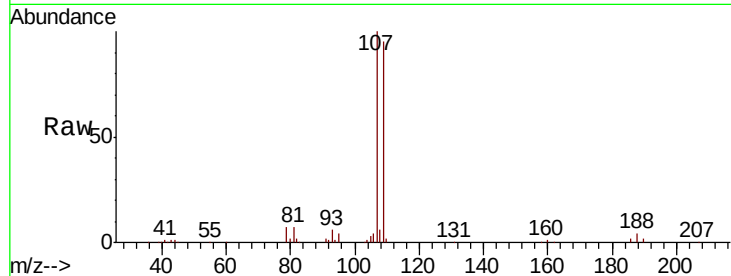
VSTDCCC050EC

Tot Ion:107 Resp: 96010

Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 48.249 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

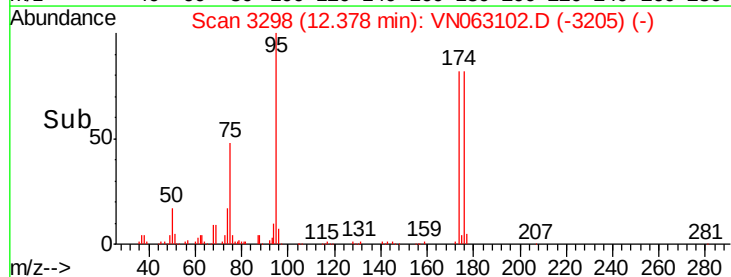
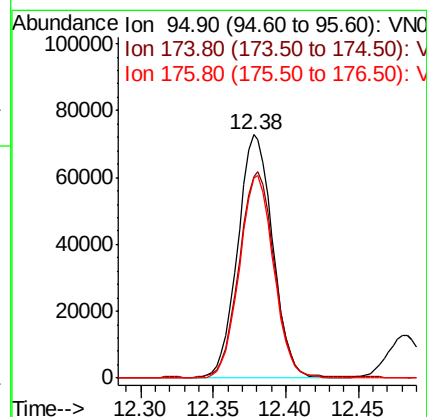
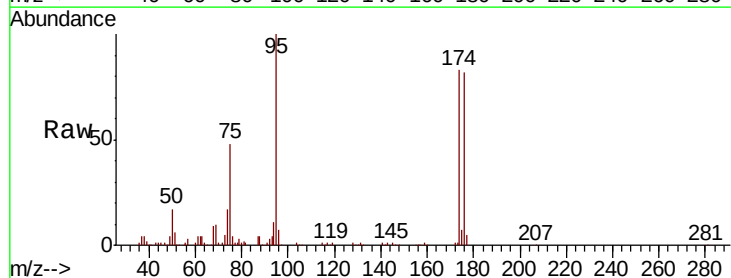
Tgt Ion: 95 Resp: 122099

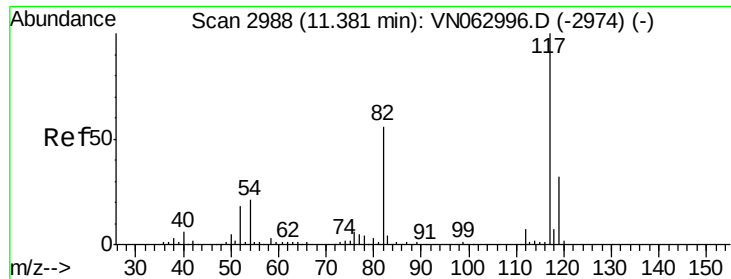
Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.8

176 81.4 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2989

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

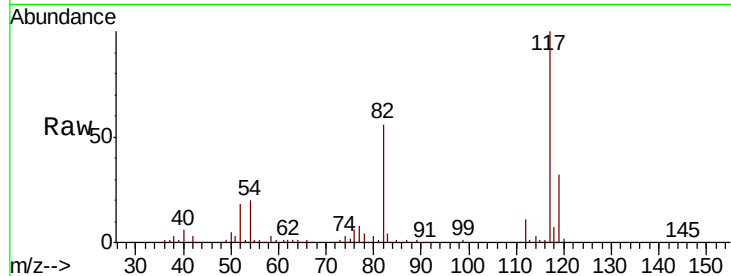
Tot Ion:117 Resp: 257234

Ion Ratio Lower Upper

117 100

82 56.3 44.5 66.7

119 31.8 25.5 38.3

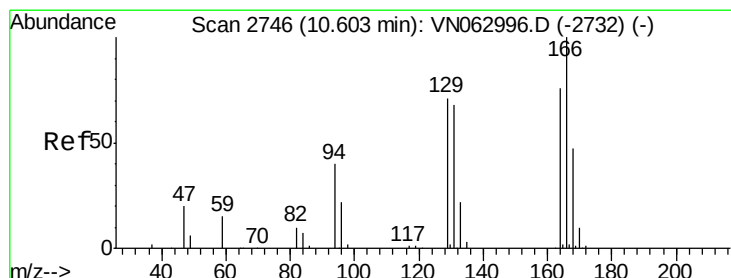
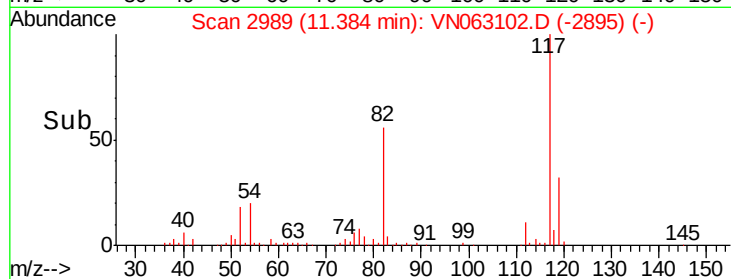
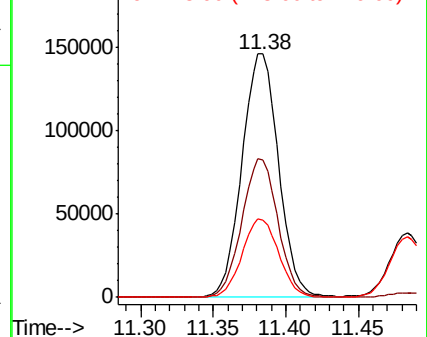


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.765 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion:164 Resp: 77385

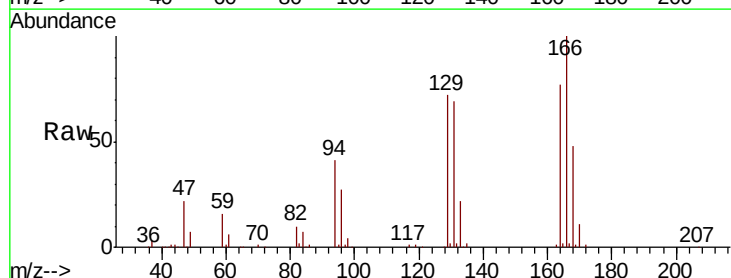
Ion Ratio Lower Upper

164 100

166 130.0 105.0 157.6

129 93.7 74.7 112.1

131 89.2 71.0 106.4



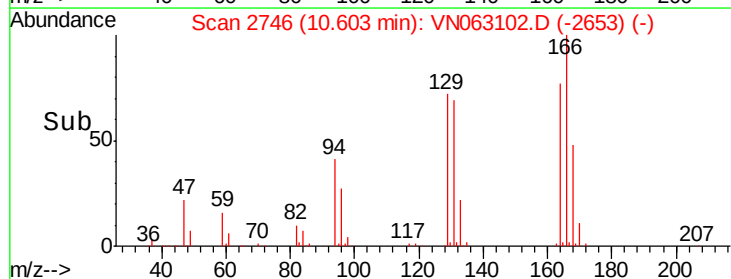
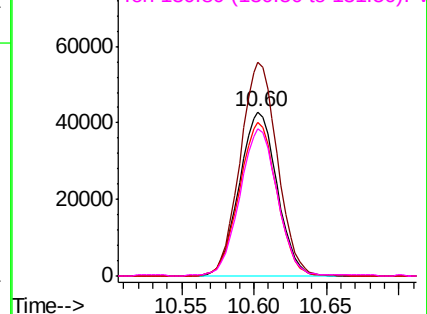
Abundance

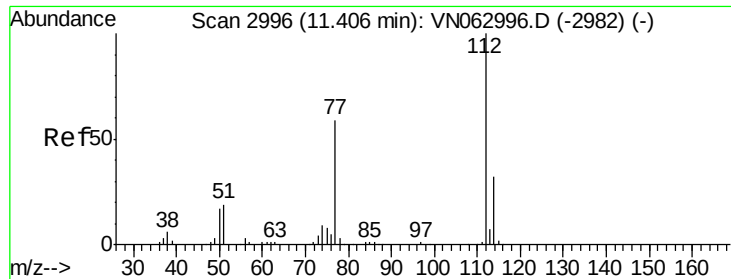
Ion 163.80 (163.50 to 164.50): V

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: 46.913 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

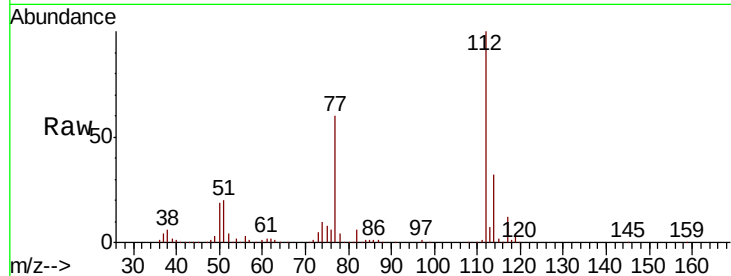
VSTDCCC050EC

Tot Ion:112 Resp: 242362

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

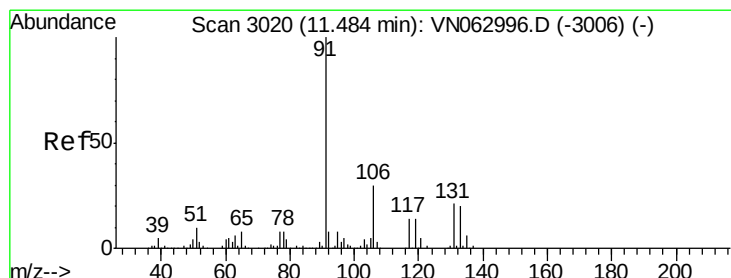
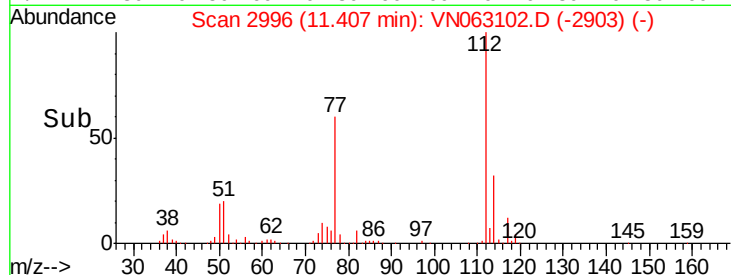
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 48.156 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

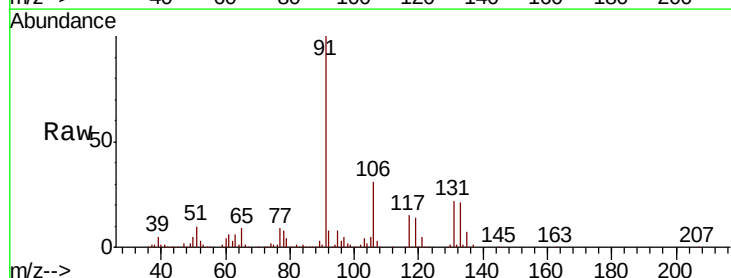
Tgt Ion:131 Resp: 96766

Ion Ratio Lower Upper

131 100

133 95.0 47.5 142.6

119 65.1 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

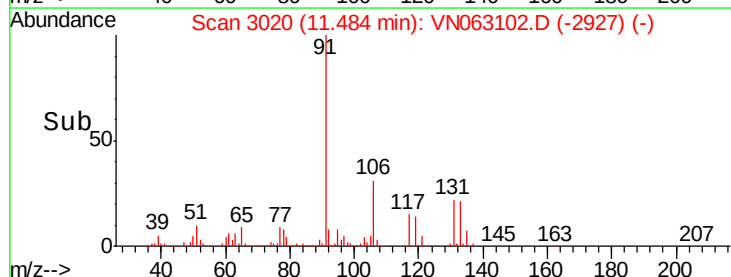
60000

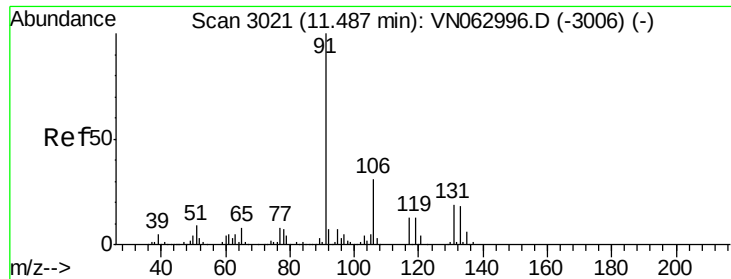
40000

20000

0

Time--> 11.40 11.45 11.50 11.55

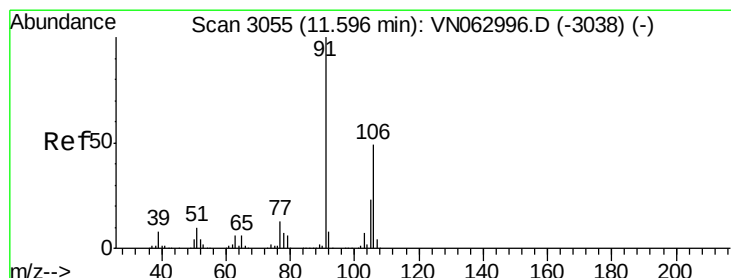
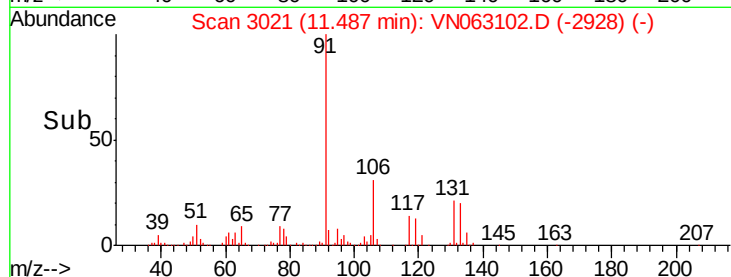
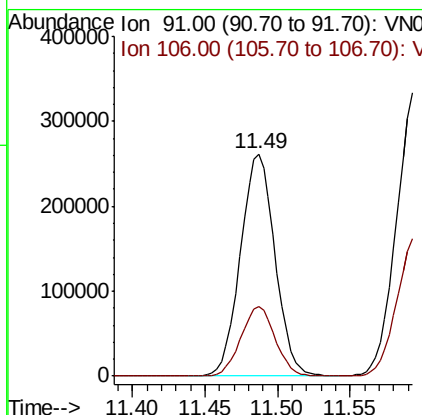
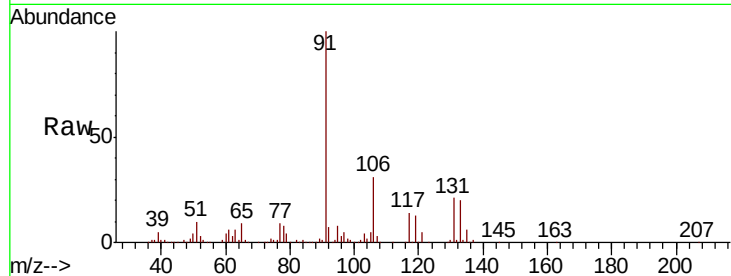




#67
Ethyl Benzene
Concen: 49.702 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

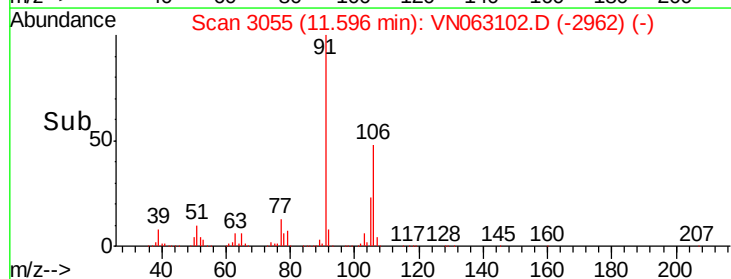
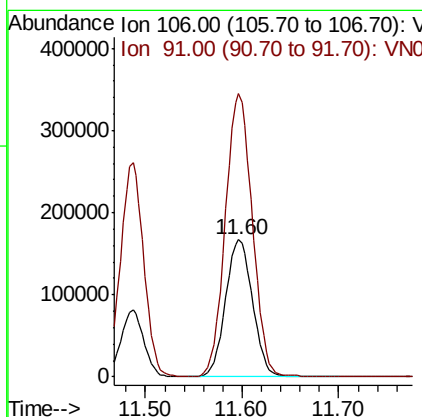
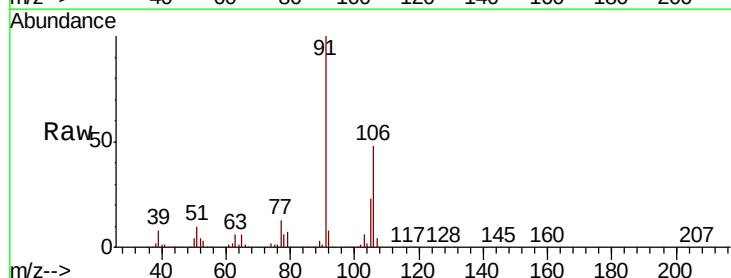
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

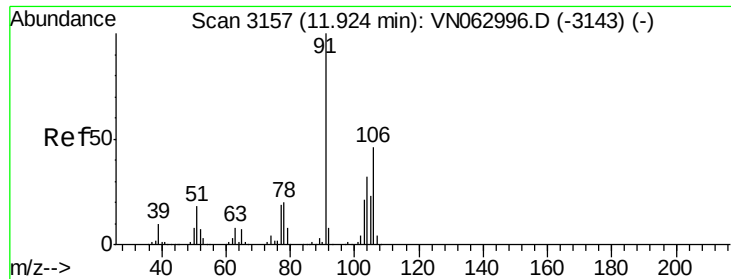
Tot Ion: 91 Resp: 433869
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0



#68
m/p-Xylenes
Concen: 99.763 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 106 Resp: 323674
Ion Ratio Lower Upper
106 100
91 205.6 163.0 244.4

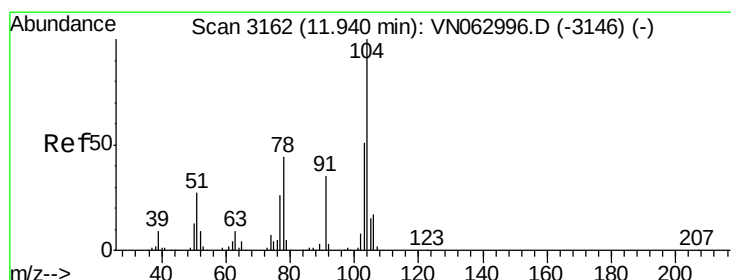
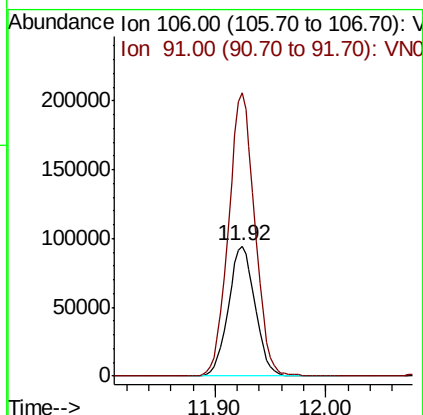
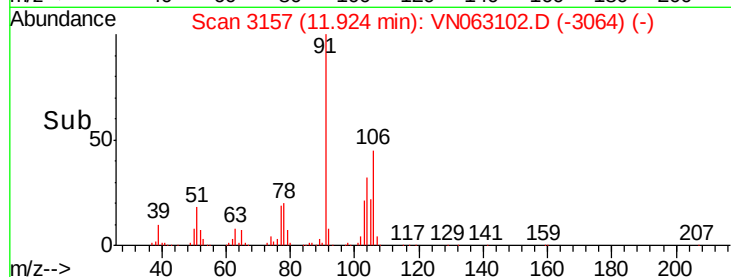
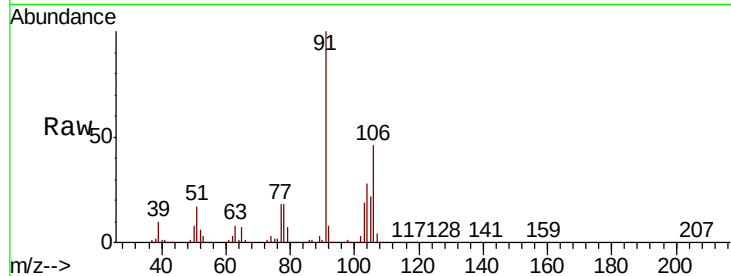




#69
o-Xylene
Concen: 50.756 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

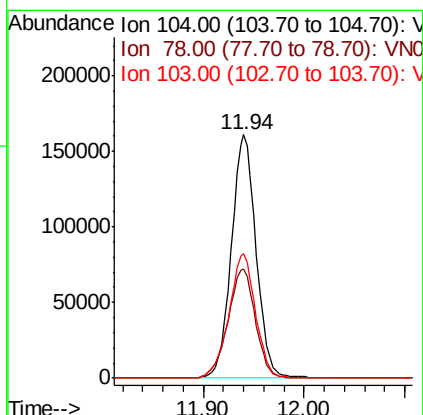
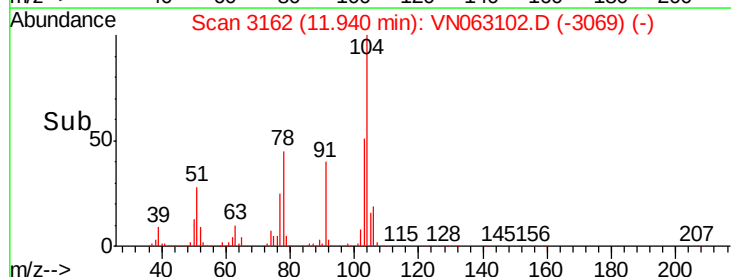
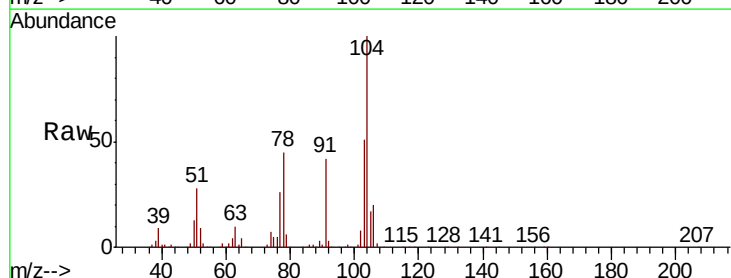
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

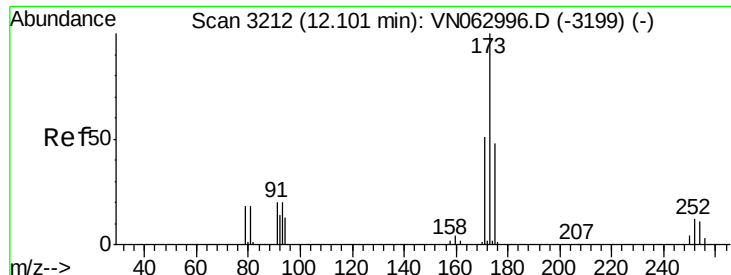
Tot Ion:106 Resp: 158134
Ion Ratio Lower Upper
106 100
91 213.9 107.3 321.9



#70
Styrene
Concen: 44.571 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion:104 Resp: 274229
Ion Ratio Lower Upper
104 100
78 50.0 39.0 58.6
103 55.0 44.3 66.5





#71

Bromoform

Concen: 48.188 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

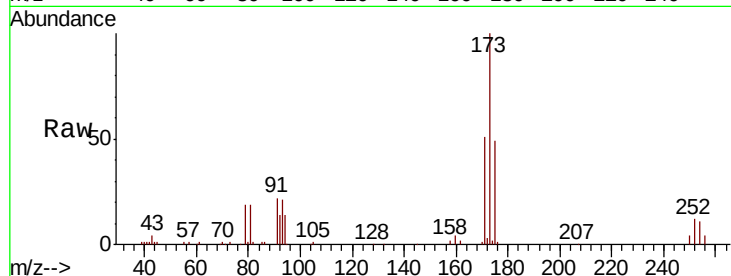
Tot Ion:173 Resp: 77074

Ion Ratio Lower Upper

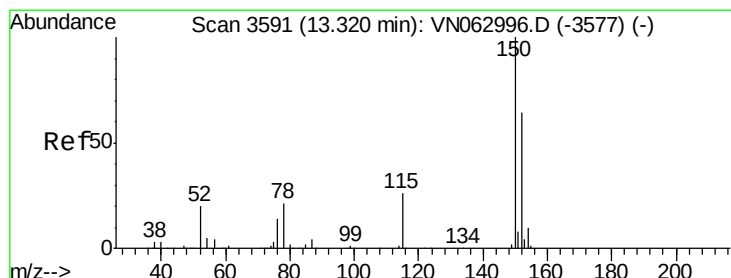
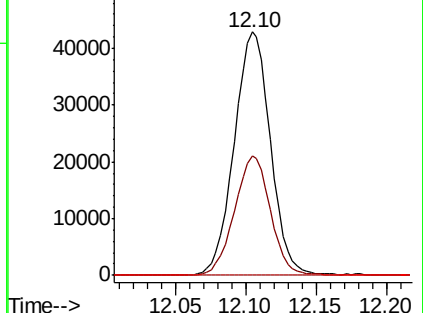
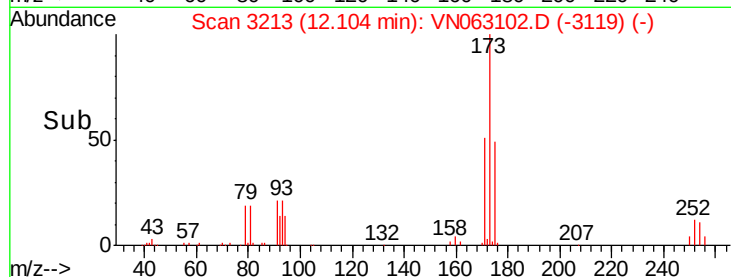
173 100

175 48.4 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: VN063102.D

Acq: 24 Aug 2020 17:53

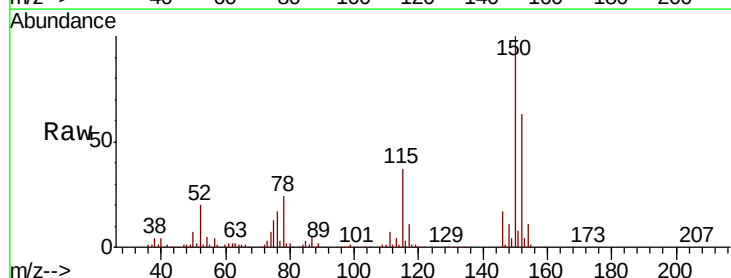
Tgt Ion:152 Resp: 122188

Ion Ratio Lower Upper

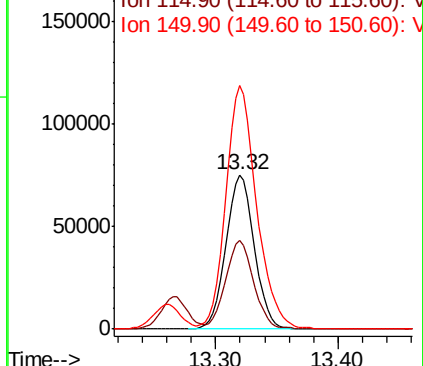
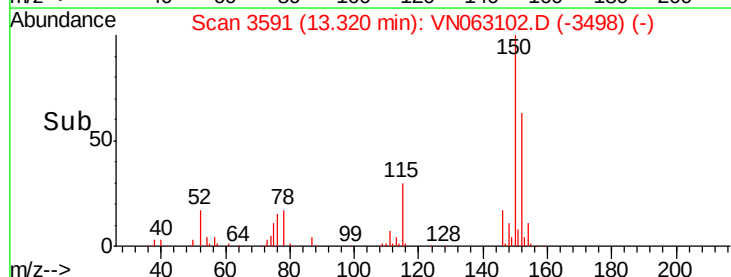
152 100

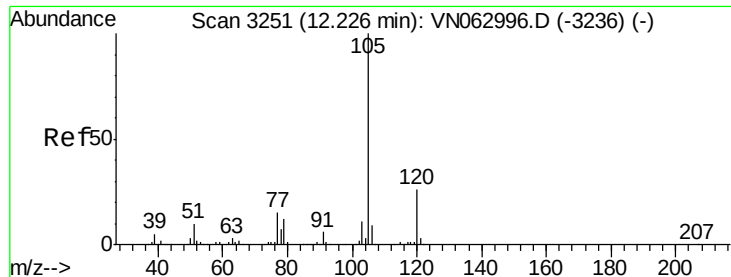
115 56.1 28.7 86.3

150 170.4 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: 49.685 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

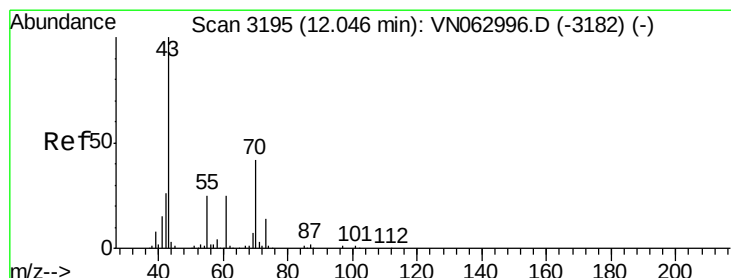
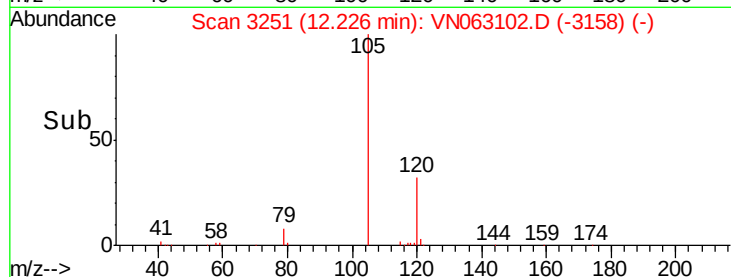
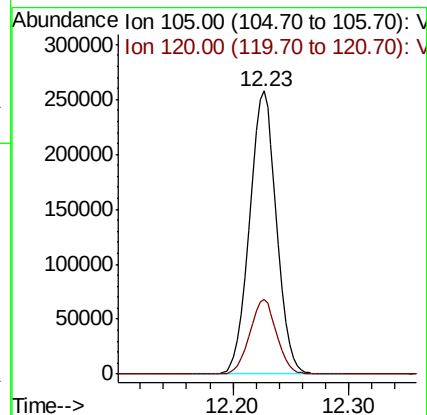
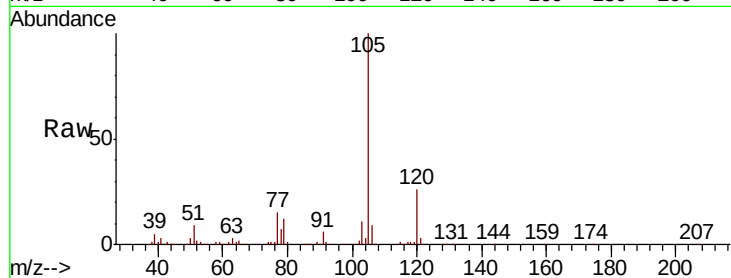
VSTDCCC050EC

Tot Ion:105 Resp: 415739

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 58.086 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Tgt Ion: 43 Resp: 174073

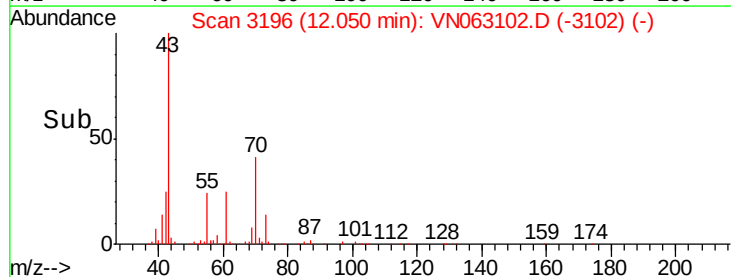
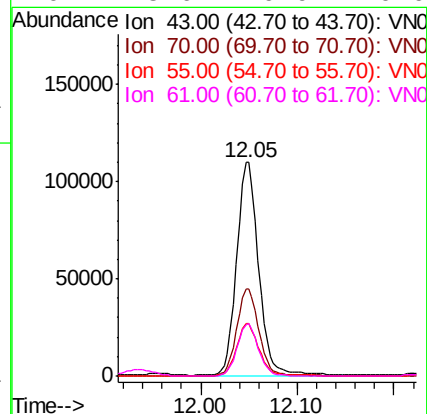
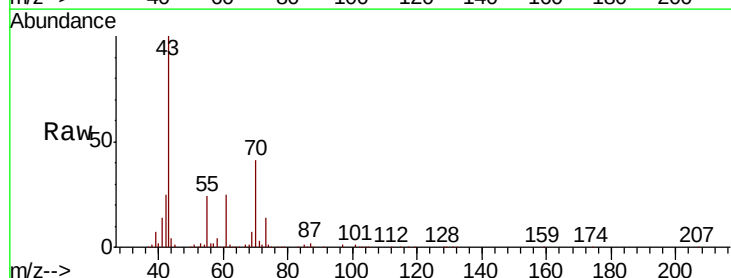
Ion Ratio Lower Upper

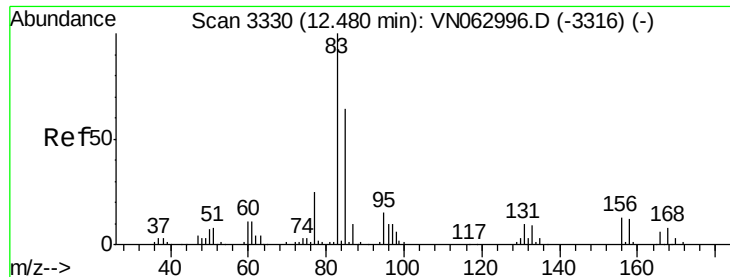
43 100

70 41.0 33.4 50.0

55 25.3 20.2 30.2

61 23.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.446 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

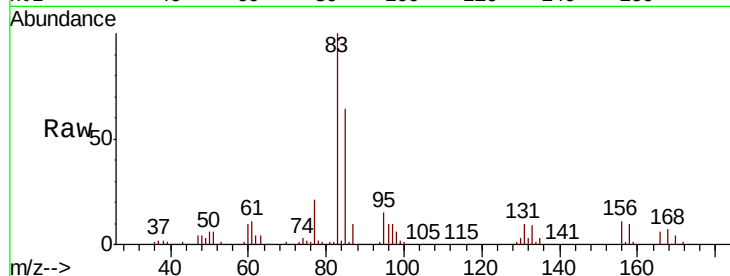
Tot Ion: 83 Resp: 141387

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

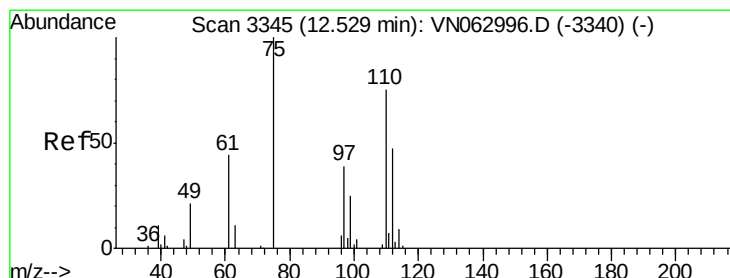
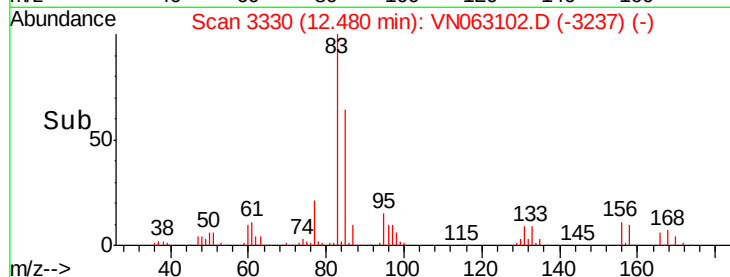
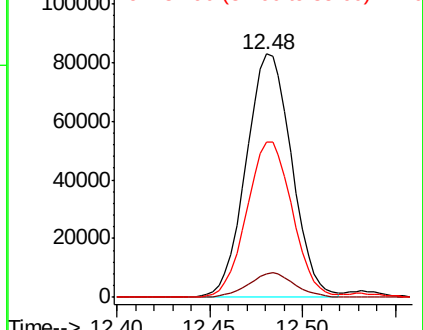
85 64.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN063102.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN063102.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN063102.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 72.122 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063102.D

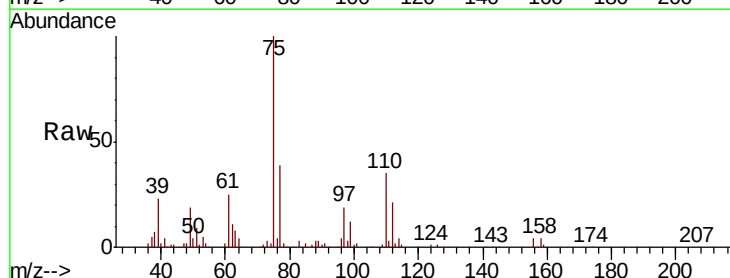
Acq: 24 Aug 2020 17:53

Tgt Ion: 75 Resp: 171294

Ion Ratio Lower Upper

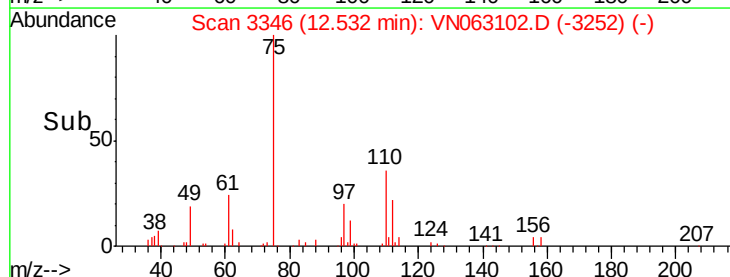
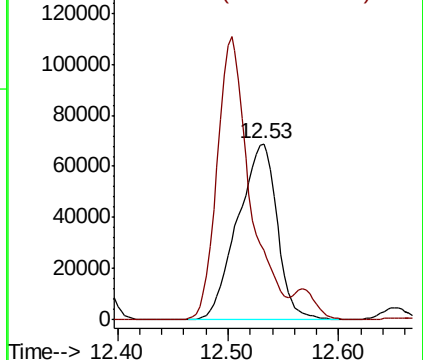
75 100

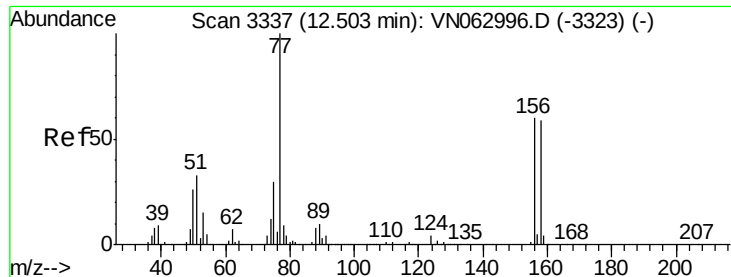
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063102.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN063102.D (-3252) (-)





#77

Bromobenzene

Concen: 46.886 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

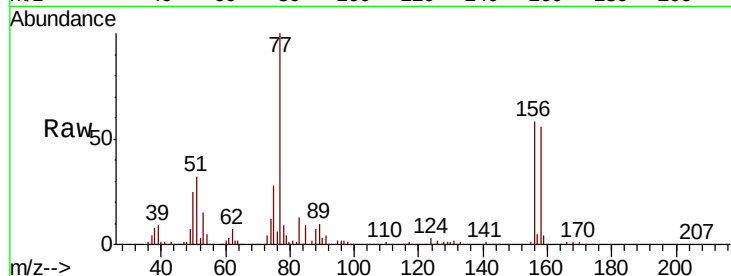
Tot Ion:156 Resp: 107898

Ion Ratio Lower Upper

156 100

77 210.6 101.0 302.9

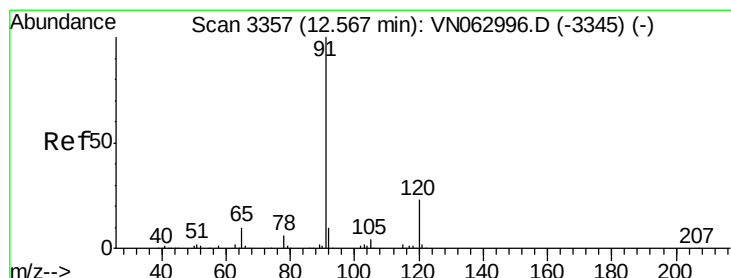
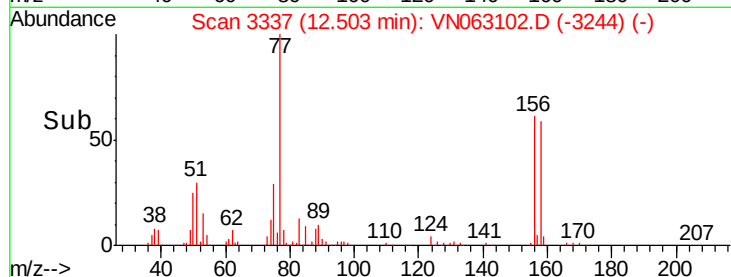
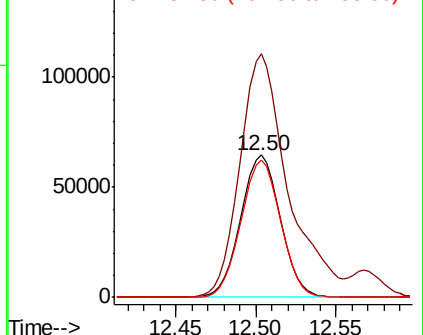
158 98.0 49.4 148.0



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: 49.417 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063102.D

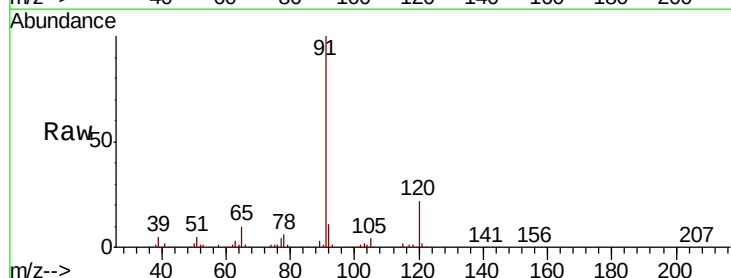
Acq: 24 Aug 2020 17:53

Tgt Ion: 91 Resp: 471307

Ion Ratio Lower Upper

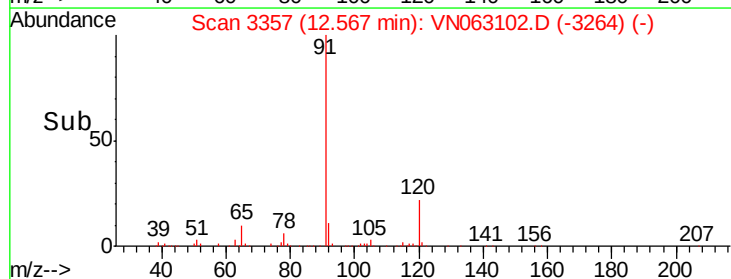
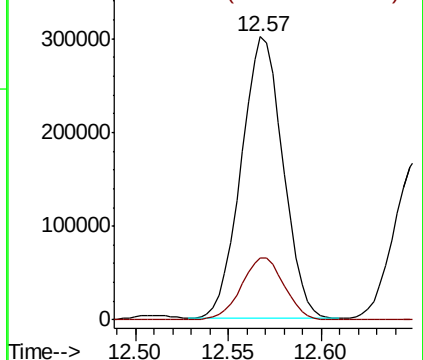
91 100

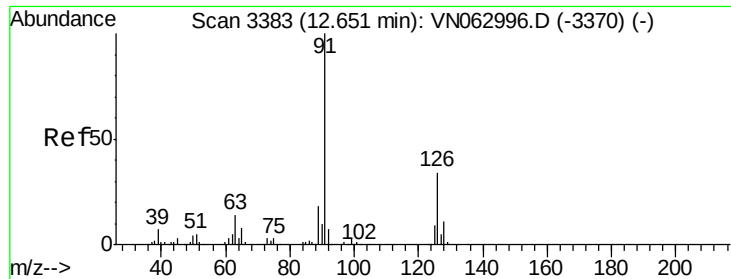
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

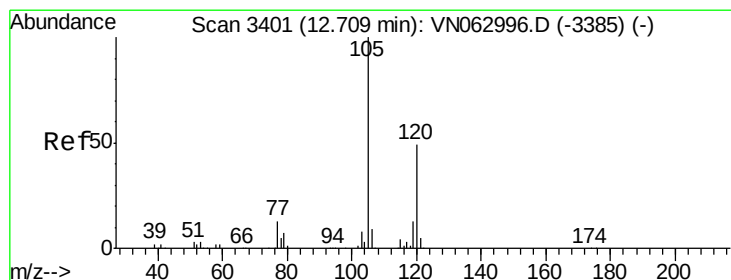
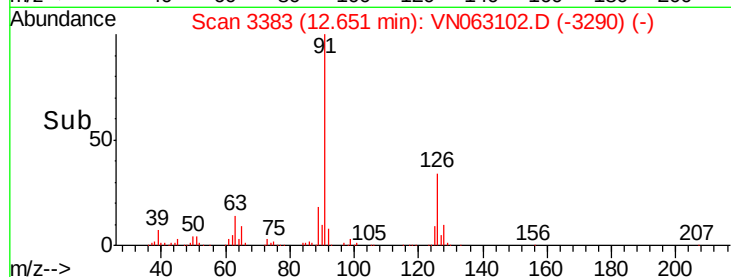
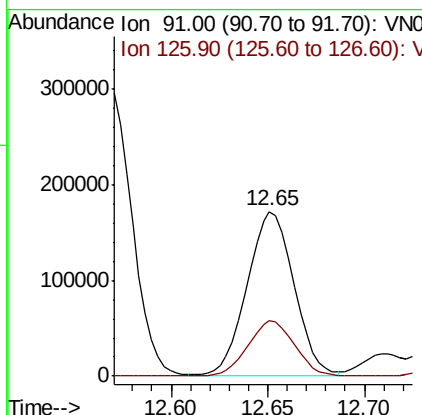
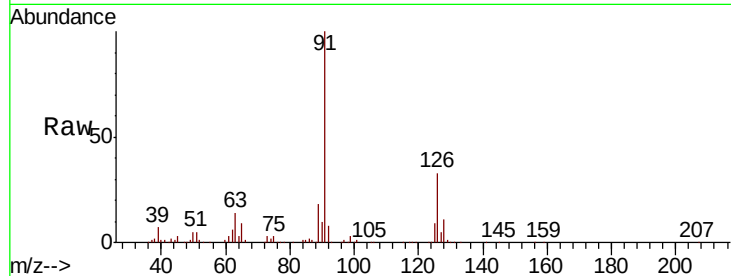




#79
 2-Chlorotoluene
 Concen: 47.840 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

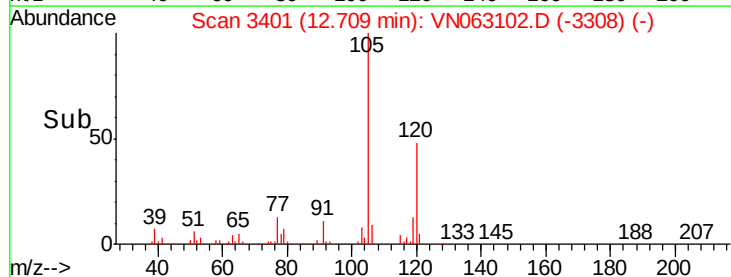
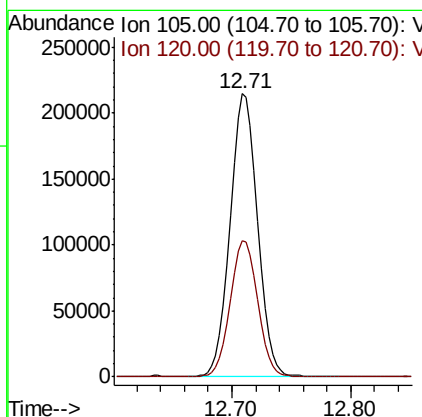
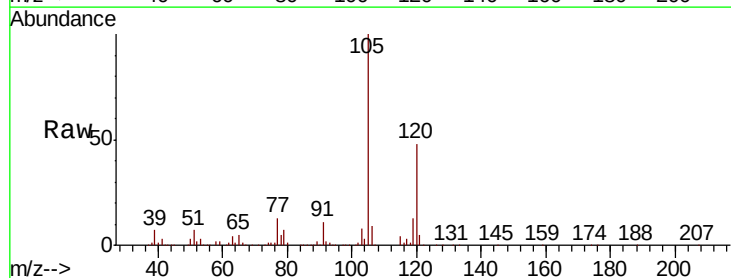
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

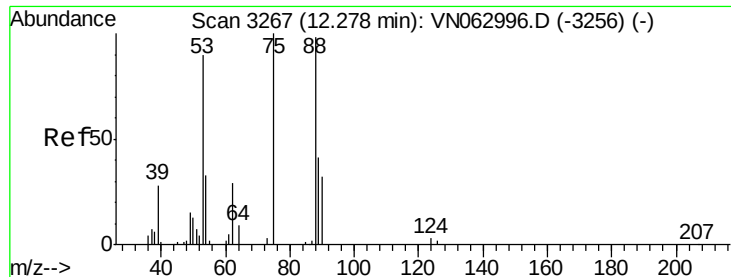
Tot Ion: 91 Resp: 286989
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.284 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion: 105 Resp: 340895
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.608 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

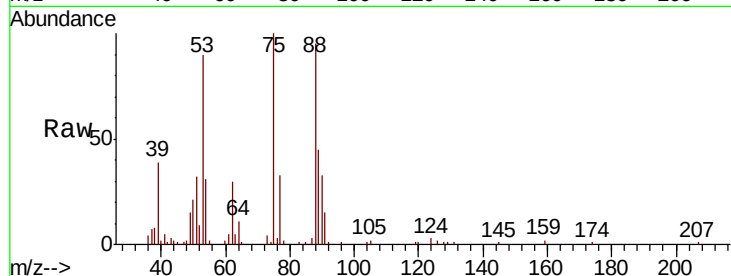
Tot Ion: 75 Resp: 44629

Ion Ratio Lower Upper

75 100

53 90.3 69.2 103.8

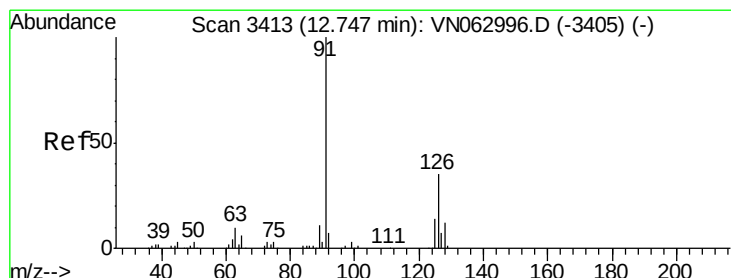
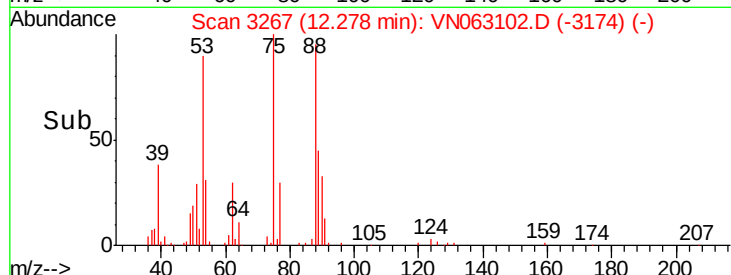
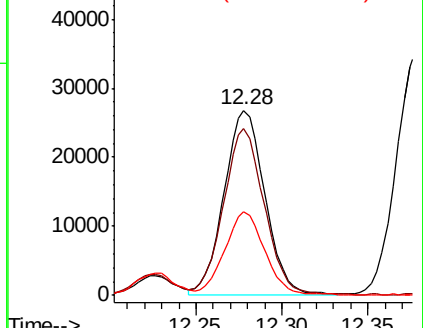
89 43.0 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN063102.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN063102.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN063102.D (-3174) (-)



#82

4-Chlorotoluene

Concen: 47.899 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063102.D

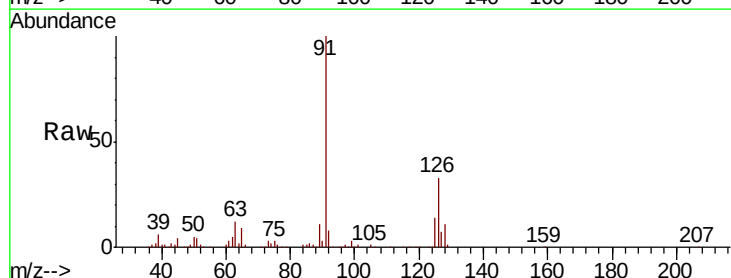
Acq: 24 Aug 2020 17:53

Tgt Ion: 91 Resp: 292586

Ion Ratio Lower Upper

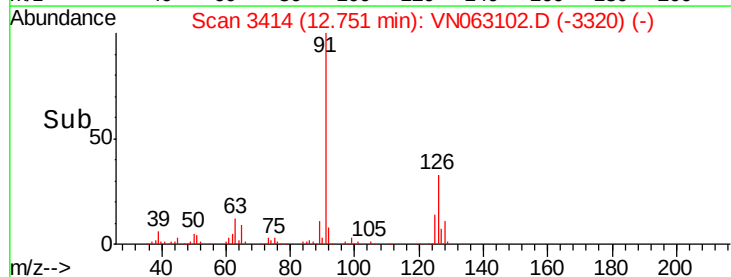
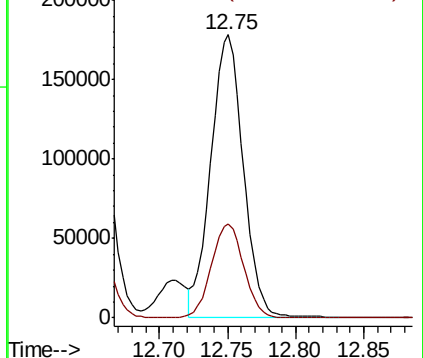
91 100

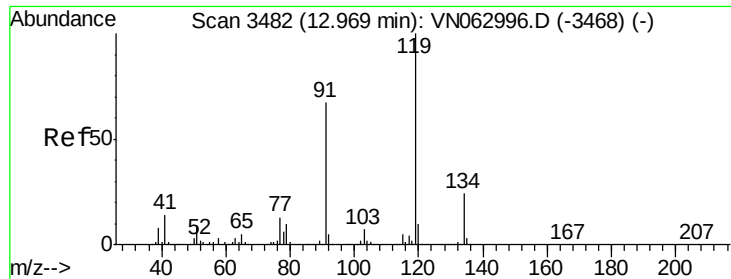
126 33.4 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN063102.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN063102.D (-3320) (-)

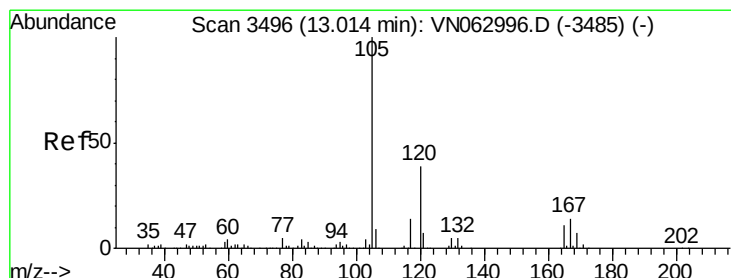
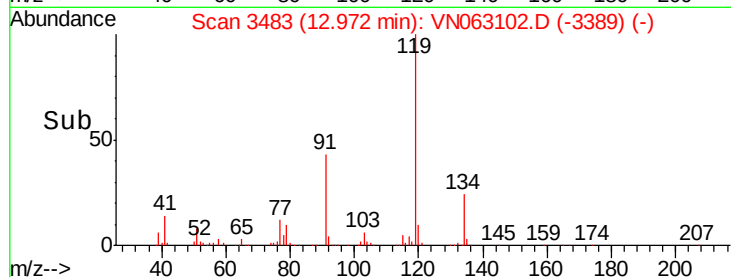
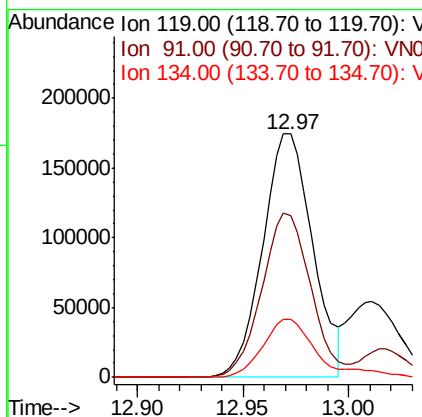
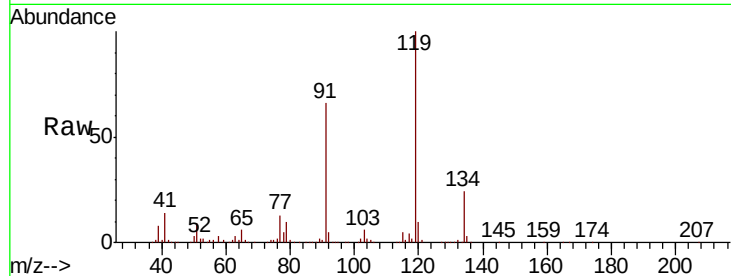




#83
 tert-Butylbenzene
 Concen: 48.251 ug/l
 RT: 12.97 min Scan# 3483
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

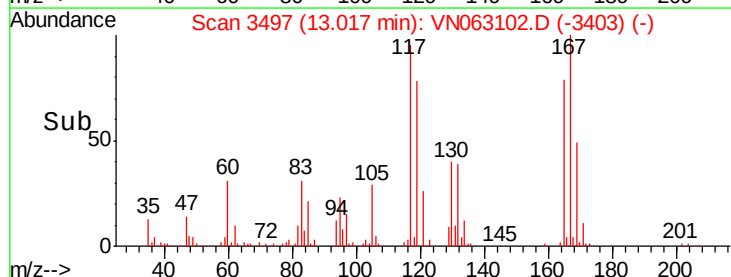
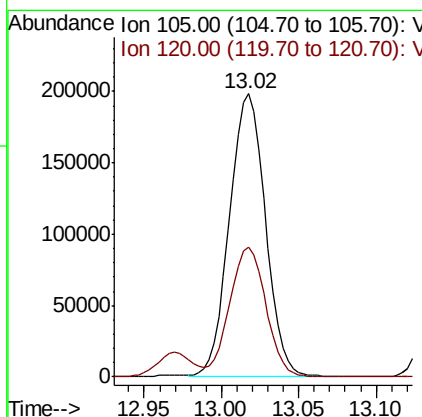
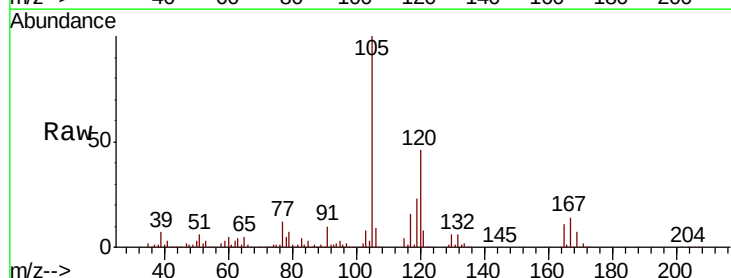
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

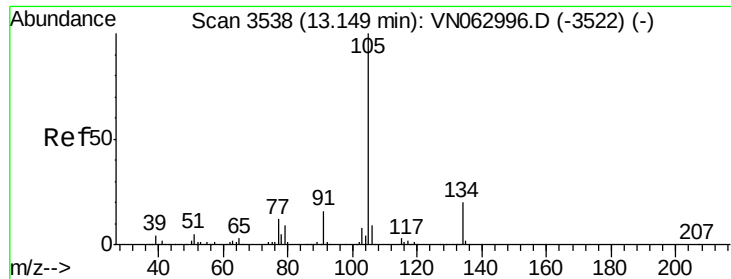
Tot Ion:119 Resp: 288060
 Ion Ratio Lower Upper
 119 100
 91 65.5 32.5 97.4
 134 26.1 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 47.384 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion:105 Resp: 319299
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.5 67.5





#85

sec-Butylbenzene

Concen: 46.178 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

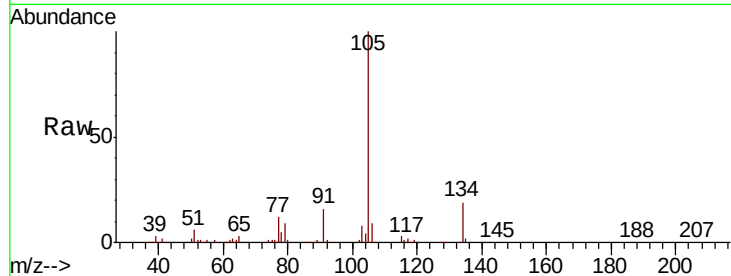
VSTDCCC050EC

Tot Ion:105 Resp: 372581

Ion Ratio Lower Upper

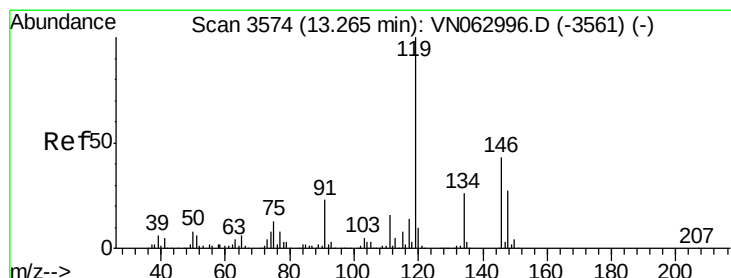
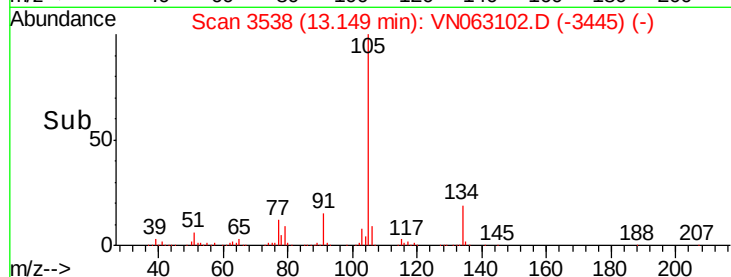
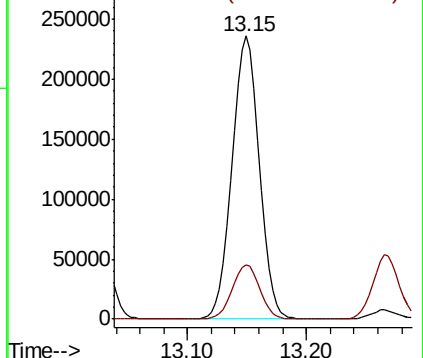
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.225 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063102.D

Acq: 24 Aug 2020 17:53

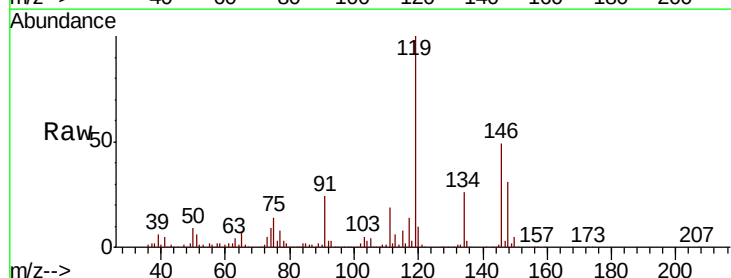
Tgt Ion:119 Resp: 317943

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

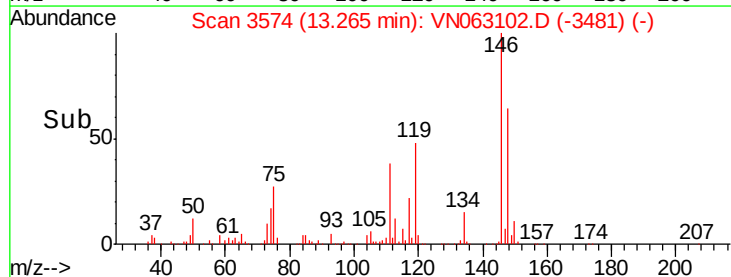
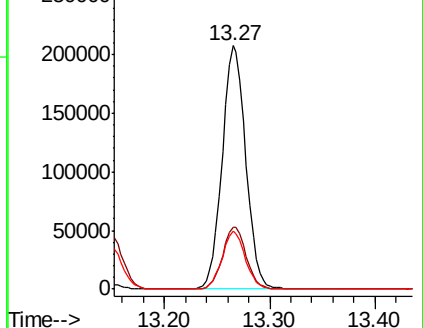
91 23.0 11.5 34.4

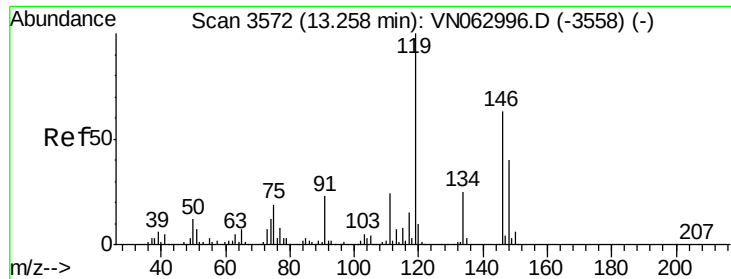


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

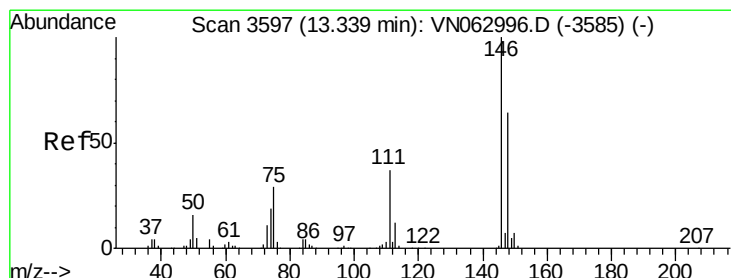
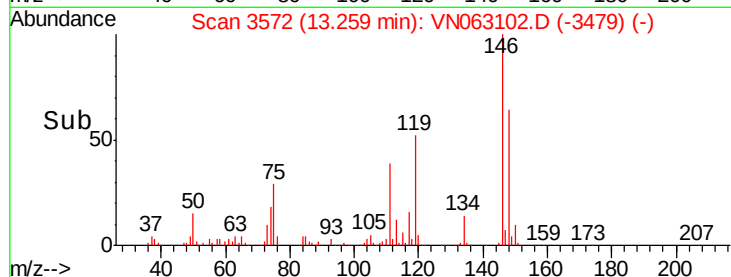
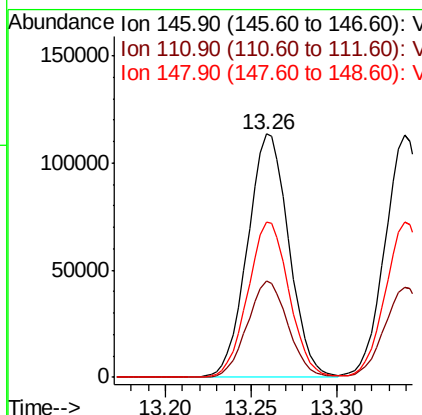
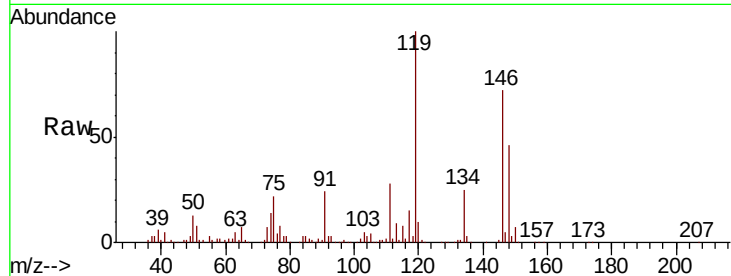




#87
 1,3-Dichlorobenzene
 Concen: 47.787 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

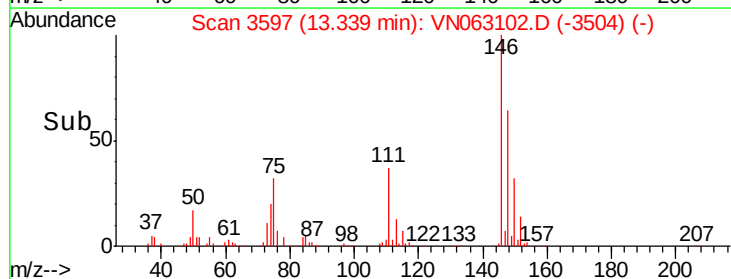
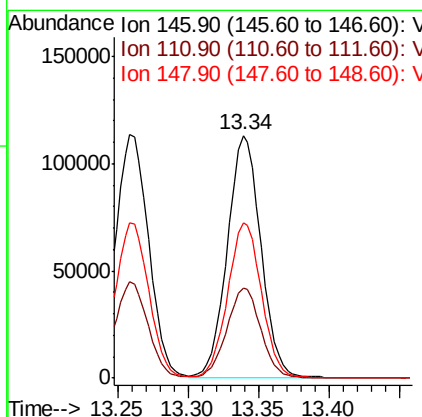
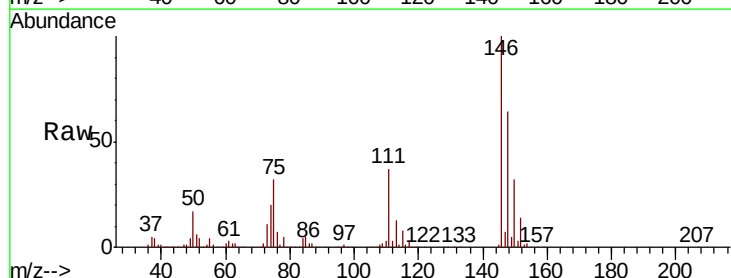
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

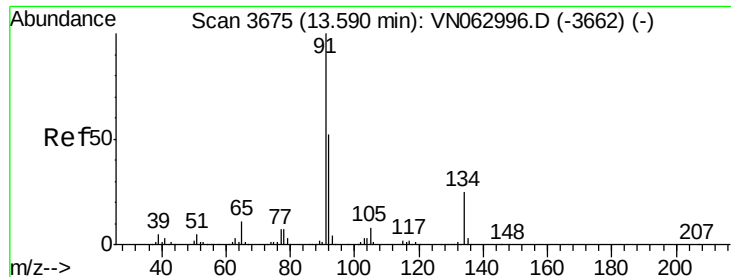
Tot Ion:146 Resp: 188997
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.1
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 46.582 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion:146 Resp: 186988
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 65.4 32.4 97.0

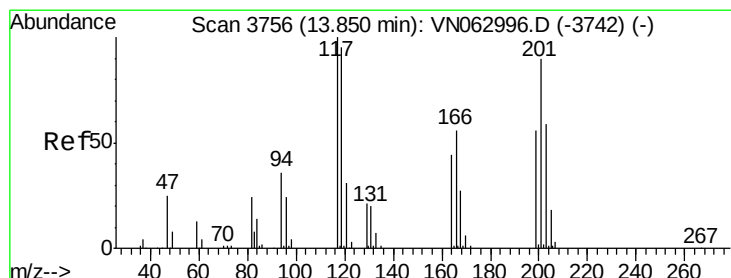
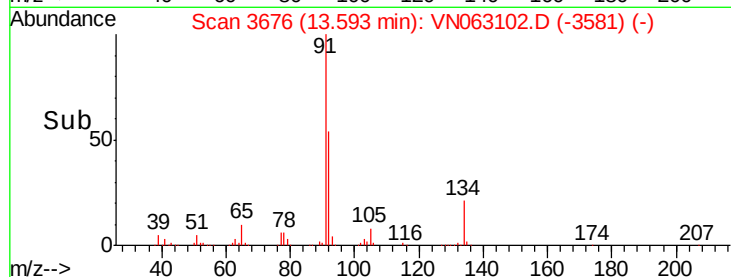
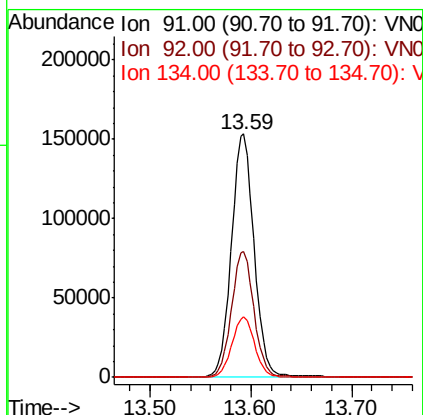
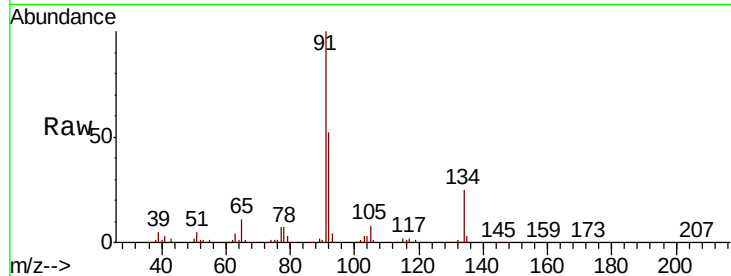




#89
n-Butylbenzene
Concen: 36.898 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

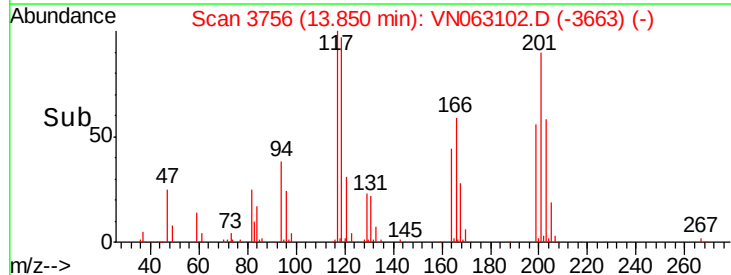
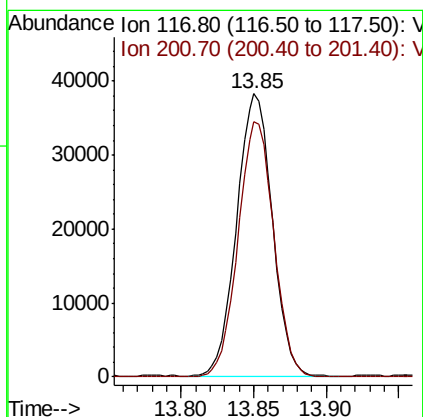
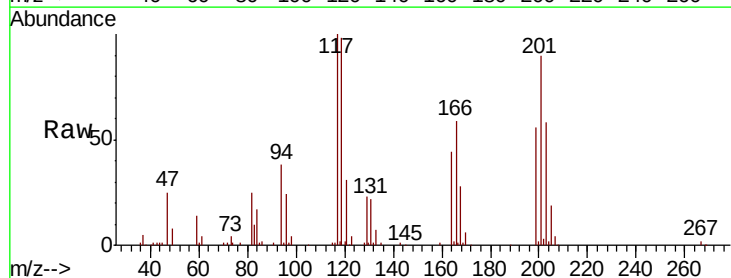
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

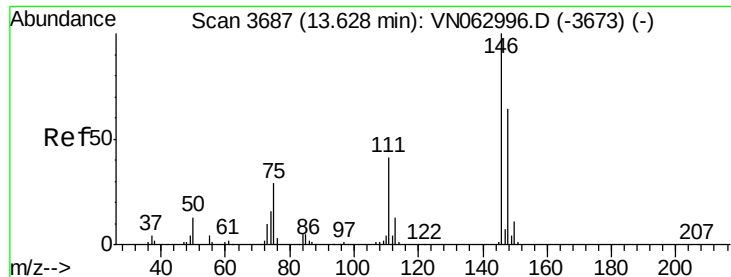
Tot Ion: 91 Resp: 240740
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.6
134 24.9 12.4 37.0



#90
Hexachloroethane
Concen: 43.991 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion: 117 Resp: 65735
Ion Ratio Lower Upper
117 100
201 89.6 44.1 132.4

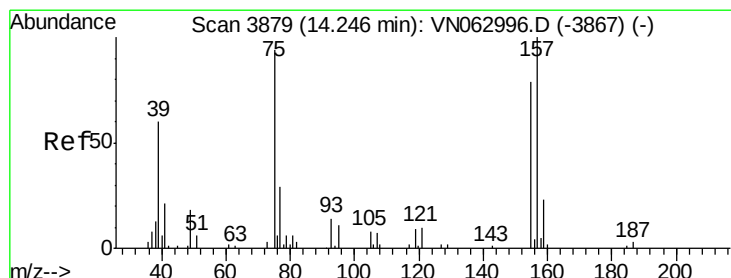
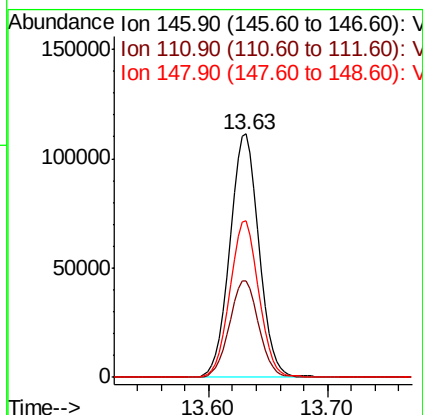
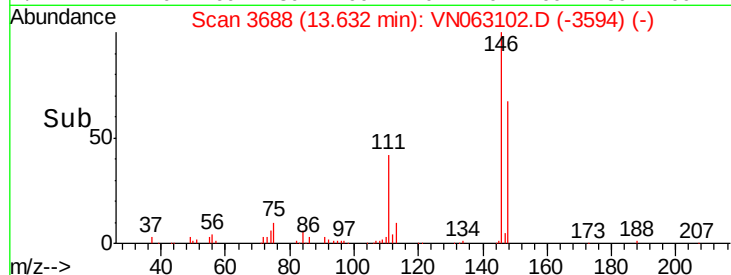
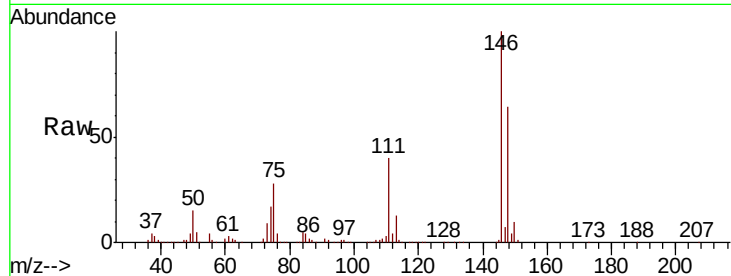




#91
 1,2-Dichlorobenzene
 Concen: 49.368 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

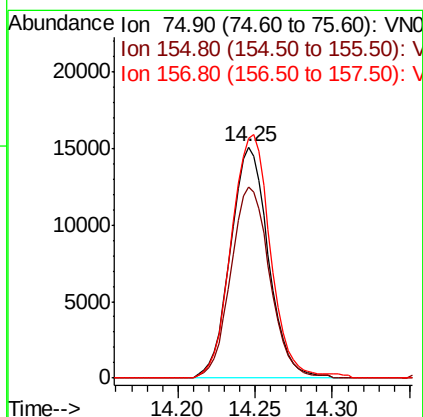
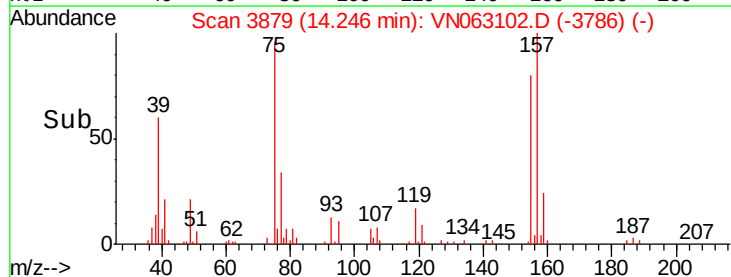
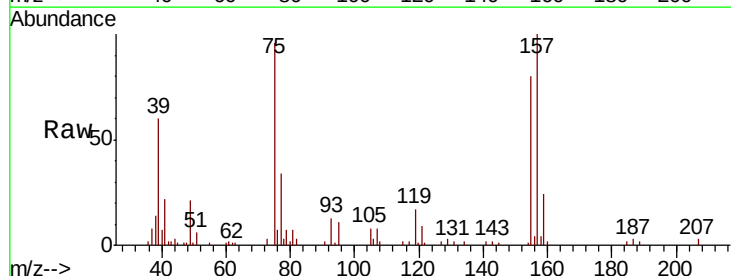
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

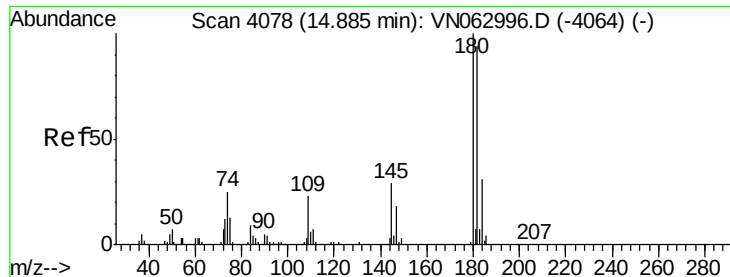
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.081 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.1
157	109.1	55.2	165.6

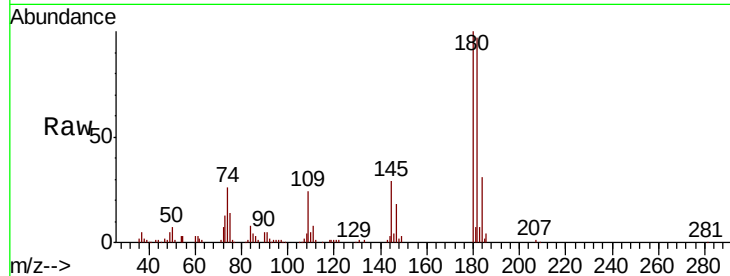




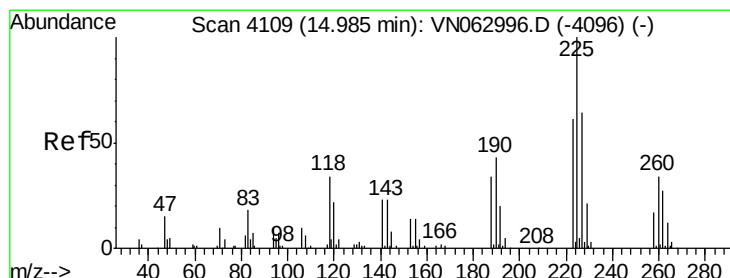
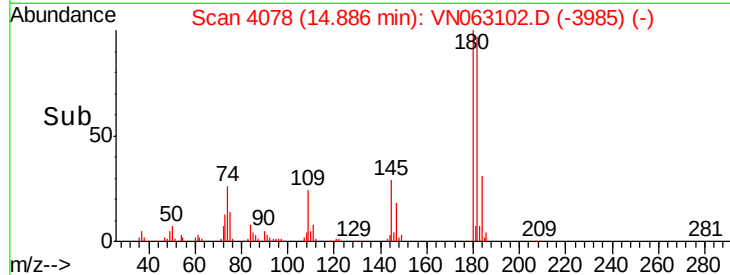
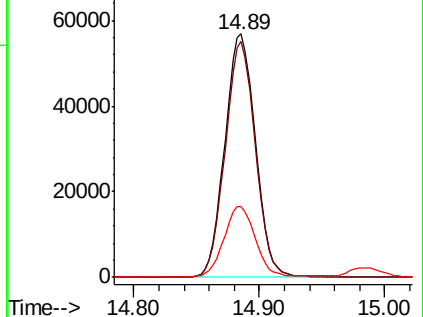
#93
 1,2,4-Trichlorobenzene
 Concen: 45.902 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 96337
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.0 141.2
 145 30.1 14.1 42.4

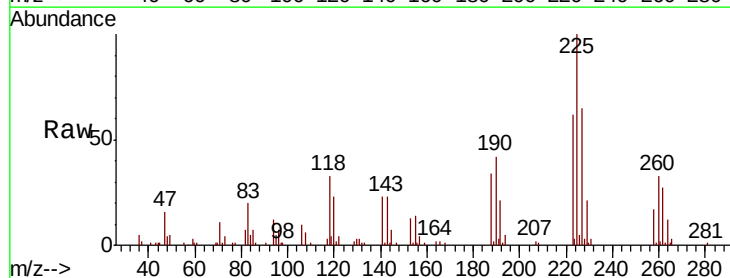


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

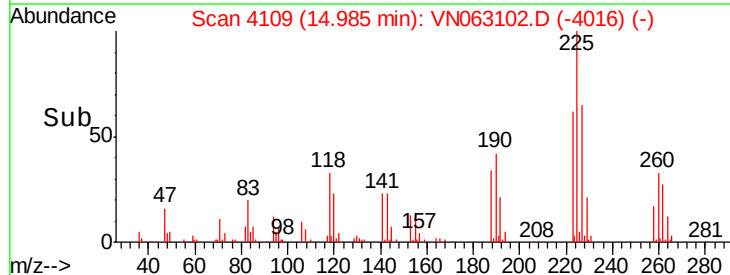
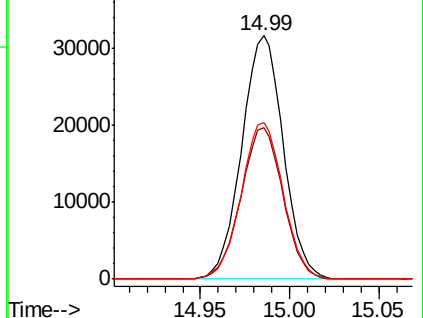


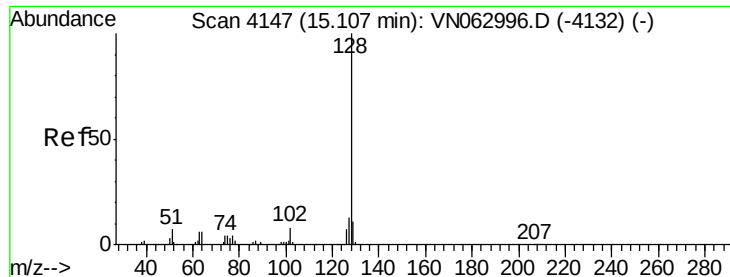
#94
 Hexachlorobutadiene
 Concen: 36.591 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063102.D
 Acq: 24 Aug 2020 17:53

Tgt Ion:225 Resp: 51656
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.5
 227 65.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

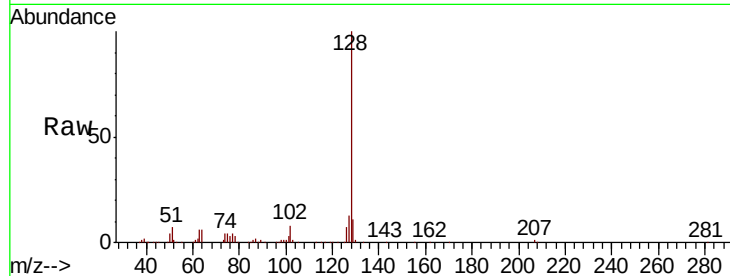




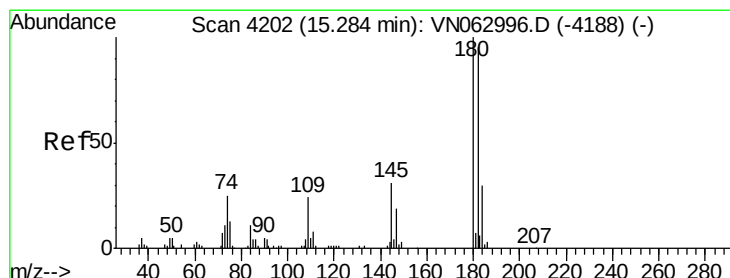
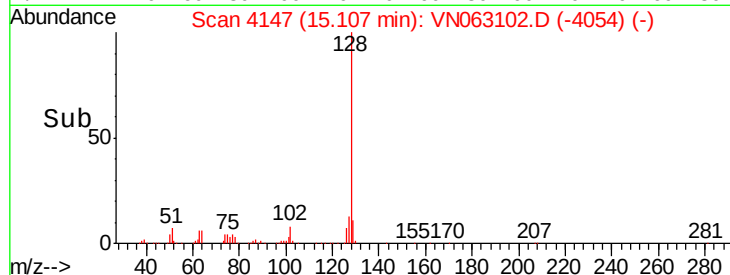
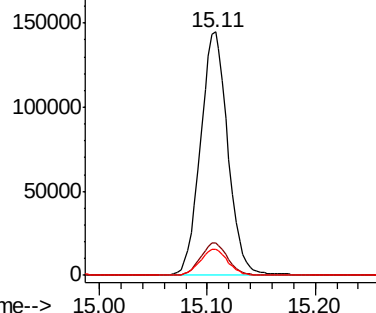
#95
Naphthalene
Concen: 52.366 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 256764
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.9 13.3

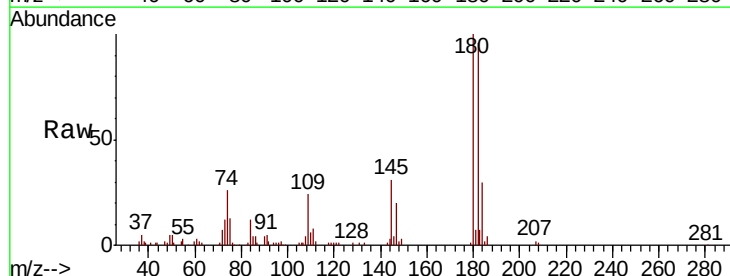


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.245 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063102.D
Acq: 24 Aug 2020 17:53

Tgt Ion:180 Resp: 97585
Ion Ratio Lower Upper
180 100
182 94.7 47.3 141.9
145 30.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

