

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063069.D
 Acq On : 21 Aug 2020 5:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 06:43:40 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	7.63	168	165430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121533	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	104337	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	7.55	113	86363	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.06	98	334112	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.38	95	118136	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	109008	50.434	ug/l	99
3) Chloromethane	2.03	50	123715	54.542	ug/l	100
4) Vinyl Chloride	2.16	62	122303	55.754	ug/l	98
5) Bromomethane	2.52	94	67425	51.785	ug/l	97
6) Chloroethane	2.67	64	72494	55.974	ug/l	98
7) Trichlorofluoromethane	2.98	101	144390	52.782	ug/l	99
8) Diethyl Ether	3.37	74	46501	48.050	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	71346	48.400	ug/l	99
10) Methyl Iodide	3.91	142	97917	52.406	ug/l	99
11) Tert butyl alcohol	4.74	59	54789	197.283	ug/l	99
12) 1,1-Dichloroethene	3.70	96	66803	47.573	ug/l	99
13) Acrolein	3.57	56	14100	162.065	ug/l	100
14) Allyl chloride	4.27	41	116575	47.084	ug/l	99
15) Acrylonitrile	4.93	53	210459	257.831	ug/l	99
16) Acetone	3.78	43	154669	253.020	ug/l	97
17) Carbon Disulfide	4.01	76	178049	48.415	ug/l	99
18) Methyl Acetate	4.28	43	98913	50.765	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	258160	52.716	ug/l	98
20) Methylene Chloride	4.50	84	88504	51.232	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	74280	50.546	ug/l	95
22) Diisopropyl ether	5.90	45	304571	54.209	ug/l	97
23) Vinyl Acetate	5.84	43	952631	251.259	ug/l	100
24) 1,1-Dichloroethane	5.80	63	160662	51.172	ug/l	99
25) 2-Butanone	6.79	43	249571	239.761	ug/l	98
26) 2,2-Dichloropropane	6.77	77	81242	32.903	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	92927	50.451	ug/l	97
28) Bromochloromethane	7.15	49	86292	52.529	ug/l	98
29) Tetrahydrofuran	7.17	42	170086	253.177	ug/l	99
30) Chloroform	7.33	83	159931	50.578	ug/l	100
31) Cyclohexane	7.61	56	146097	50.558	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	130871	50.696	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109155	48.848	ug/l	99
37) Ethyl Acetate	6.88	43	100197	47.854	ug/l	99
38) Carbon Tetrachloride	7.73	117	111040	49.221	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136354	45.347	ug/l	99
40) Benzene	8.00	78	354943	50.082	ug/l	99
41) Methacrylonitrile	7.13	41	51022	51.145	ug/l	96
42) 1,2-Dichloroethane	8.08	62	119229	50.102	ug/l	100
43) Isopropyl Acetate	8.13	43	169149	48.763	ug/l #	90
44) Trichloroethene	8.80	130	85564	48.536	ug/l	96
45) 1,2-Dichloropropane	9.08	63	102408	49.989	ug/l	99
46) Dibromomethane	9.17	93	60852	51.418	ug/l	100
47) Bromodichloromethane	9.37	83	131283	50.647	ug/l	98
48) Methyl methacrylate	9.17	41	82225	50.099	ug/l	99
49) 1,4-Dioxane	9.17	88	25886	721.063	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	546226	249.124	ug/l	100
52) Toluene	10.12	92	221301	51.763	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	128291	47.860	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	141705	48.190	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	92005	50.329	ug/l	99
56) Ethyl methacrylate	10.40	69	129636	46.057	ug/l	99
57) 1,3-Dichloropropane	10.68	76	152651	50.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	130276	192.730	ug/l	99
59) 2-Hexanone	10.72	43	380248	248.628	ug/l	100
60) Dibromochloromethane	10.87	129	101167	50.007	ug/l	99
61) 1,2-Dibromoethane	10.98	107	90059	51.271	ug/l	99
64) Tetrachloroethene	10.60	164	78212	48.717	ug/l	99
65) Chlorobenzene	11.41	112	239950	48.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	94703	49.638	ug/l	100
67) Ethyl Benzene	11.48	91	422676	50.998	ug/l	100
68) m/p-Xylenes	11.60	106	323225	104.928	ug/l	99
69) o-Xylene	11.92	106	153164	51.778	ug/l	98
70) Styrene	11.94	104	275984	47.129	ug/l	99
71) Bromoform	12.10	173	75486	49.708	ug/l #	99
73) Isopropylbenzene	12.22	105	418097	50.236	ug/l	100
74) N-amyl acetate	12.05	43	148418	49.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	135805	50.587	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	159857	67.669	ug/l #	100
77) Bromobenzene	12.50	156	111598	48.755	ug/l	98
78) n-propylbenzene	12.57	91	493733	52.047	ug/l	100
79) 2-Chlorotoluene	12.65	91	293685	49.220	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	360368	52.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	37514	43.614	ug/l	99
82) 4-Chlorotoluene	12.75	91	305611	50.300	ug/l	100
83) tert-Butylbenzene	12.97	119	305041	51.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	356937	53.255	ug/l	100
85) sec-Butylbenzene	13.15	105	408743	50.933	ug/l	100
86) p-Isopropyltoluene	13.26	119	356013	50.913	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	195425	49.679	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	192507	48.215	ug/l	100
89) n-Butylbenzene	13.59	91	282481	43.032	ug/l	100
90) Hexachloroethane	13.85	117	71726	48.259	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	193373	50.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21682	51.729	ug/l	96

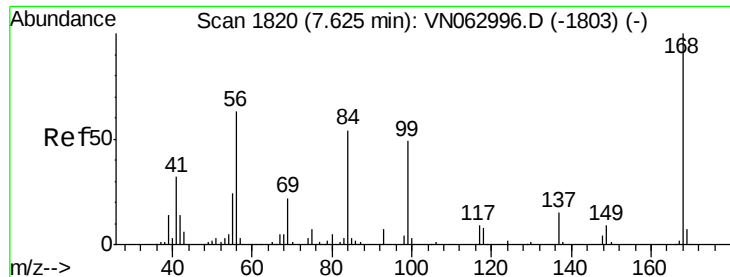
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	90412	43.568	ug/l	98
94) Hexachlorobutadiene	14.98	225	59749	42.552	ug/l	99
95) Naphthalene	15.10	128	199360	42.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	88694	43.514	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

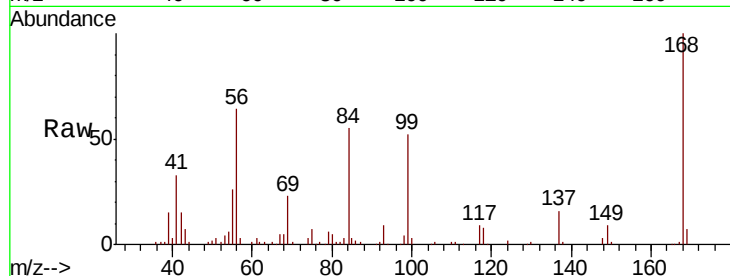
VSTDCCC050EC

Tot Ion:168 Resp: 165430

Ion Ratio Lower Upper

168 100

99 51.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

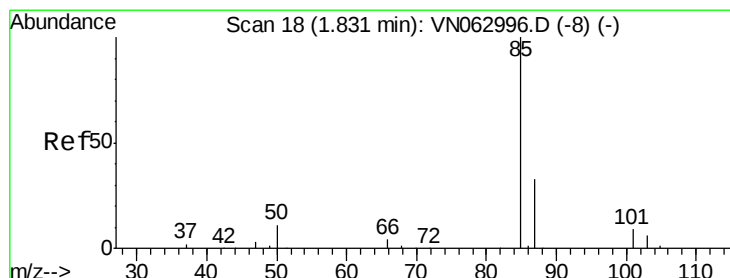
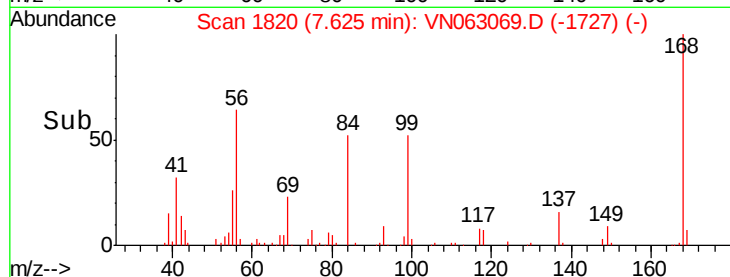
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.434 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063069.D

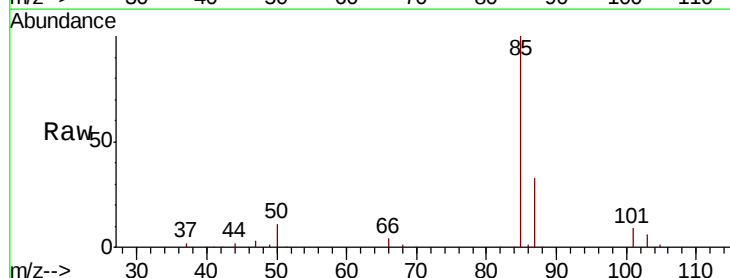
Acq: 21 Aug 2020 5:42

Tgt Ion: 85 Resp: 109008

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

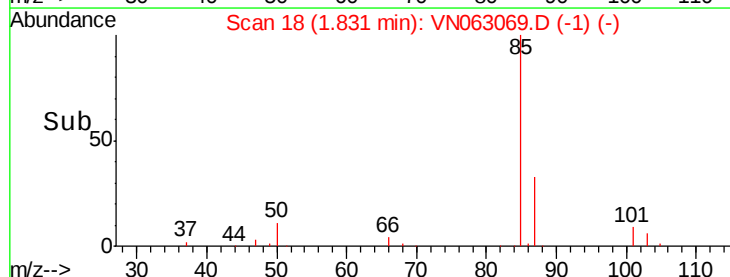
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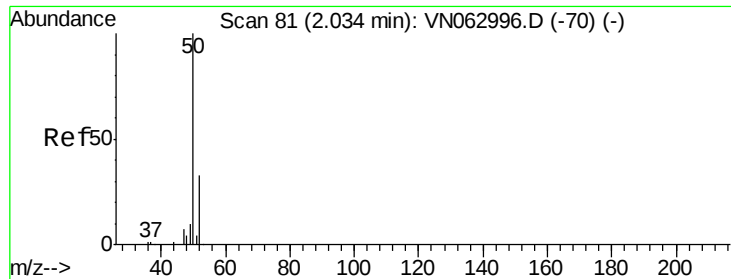
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 54.542 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

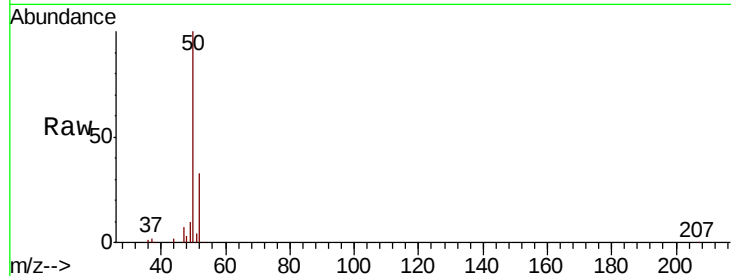
VSTDCCC050EC

Tot Ion: 50 Resp: 123715

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

100000

80000

60000

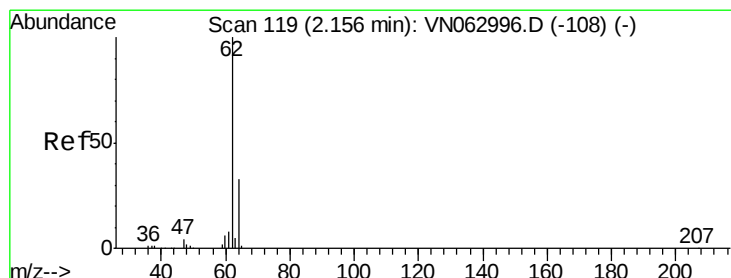
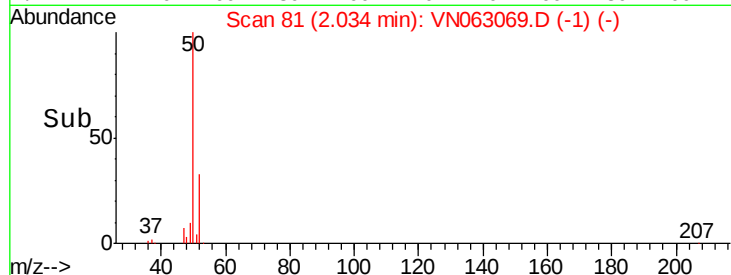
40000

20000

0

Time-->

2.00 2.10



#4

Vinyl Chloride

Concen: 55.754 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063069.D

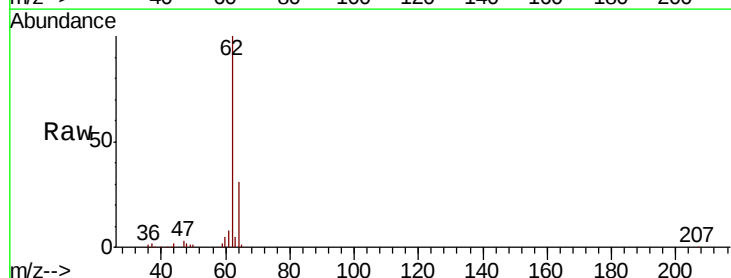
Acq: 21 Aug 2020 5:42

Tgt Ion: 62 Resp: 122303

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

60000

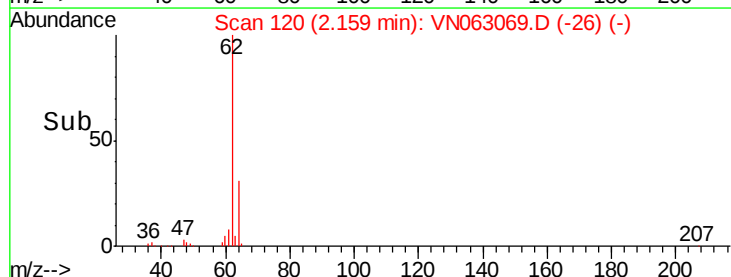
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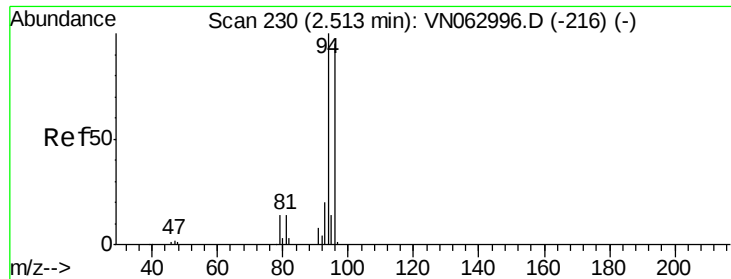
20000

0

Time-->

2.10 2.20 2.30





#5

Bromomethane

Concen: 51.785 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

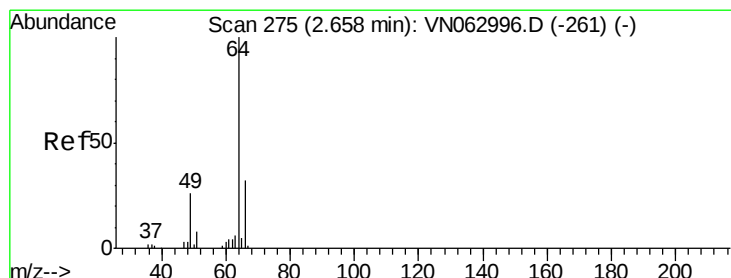
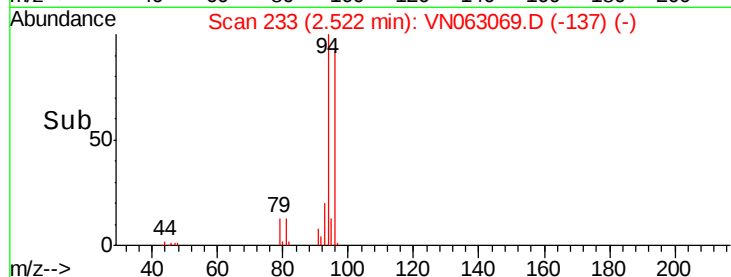
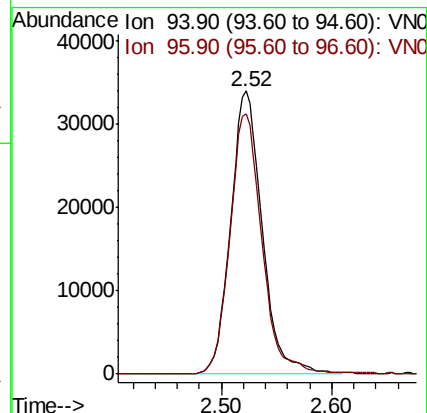
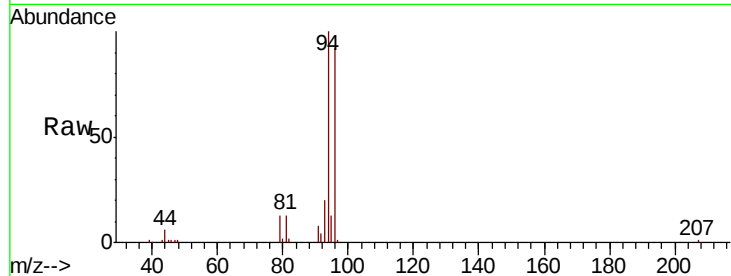
VSTDCCC050EC

Tot Ion: 94 Resp: 67425

Ion Ratio Lower Upper

94 100

96 92.1 75.8 113.8



#6

Chloroethane

Concen: 55.974 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063069.D

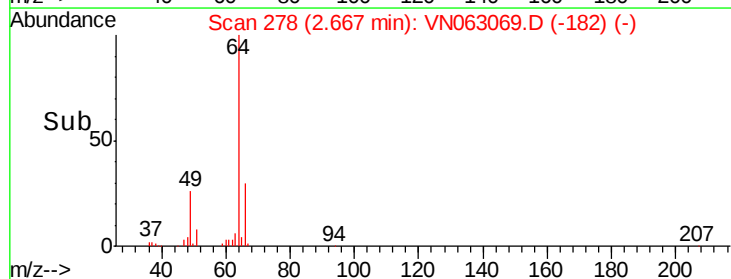
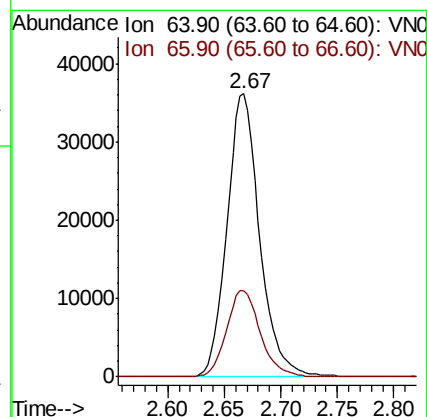
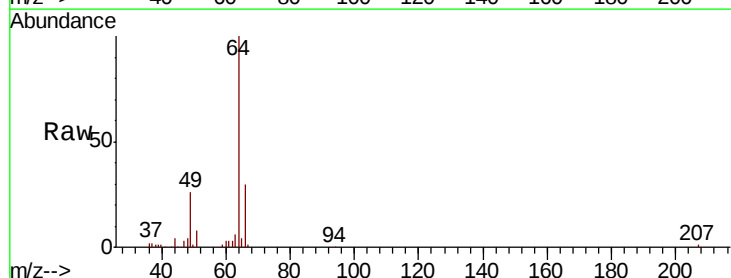
Acq: 21 Aug 2020 5:42

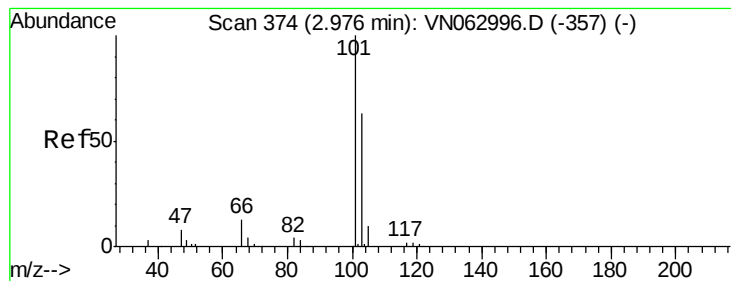
Tgt Ion: 64 Resp: 72494

Ion Ratio Lower Upper

64 100

66 30.4 25.4 38.0



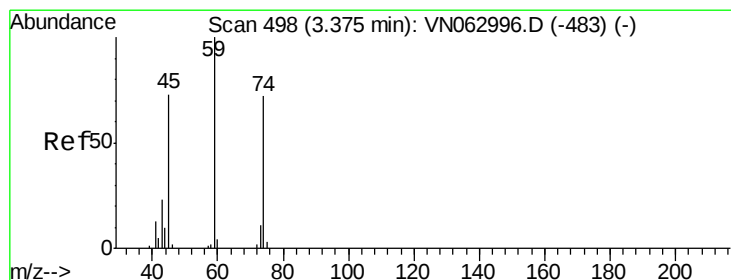
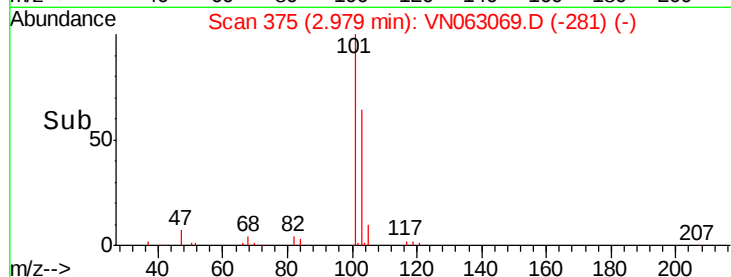
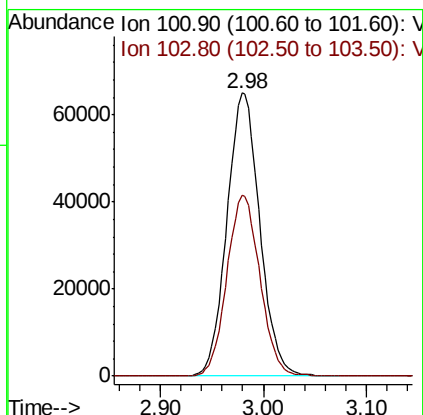
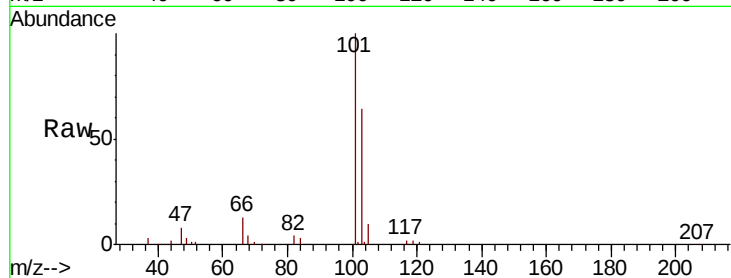


#7

Trichlorofluoromethane
 Concen: 52.782 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN063069.D
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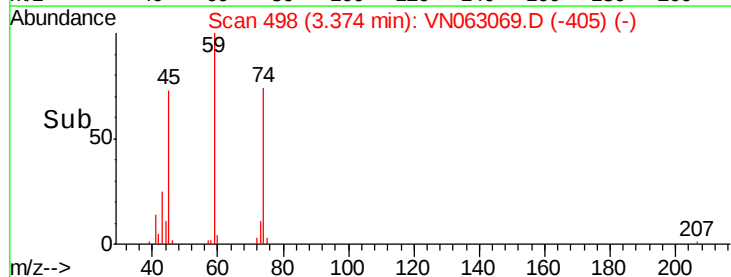
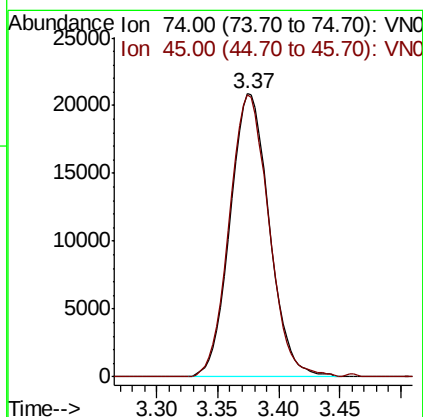
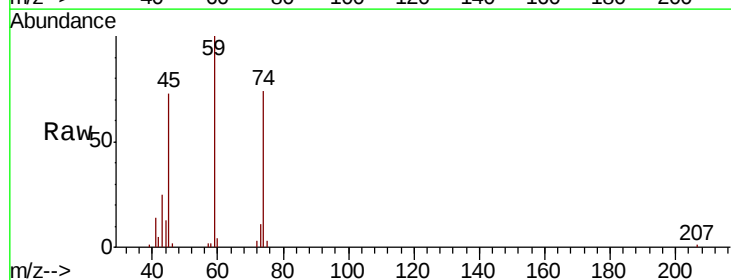
Tot Ion:101 Resp: 144390
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.5 75.7

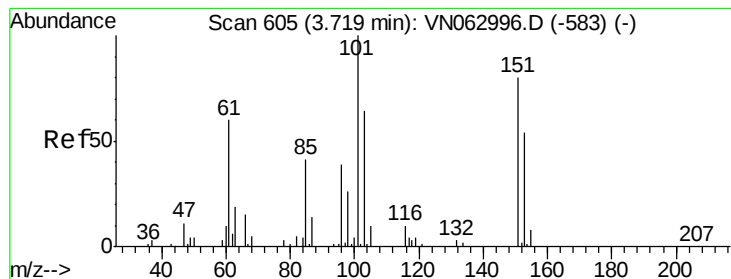


#8

Diethyl Ether
 Concen: 48.050 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion: 74 Resp: 46501
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.400 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

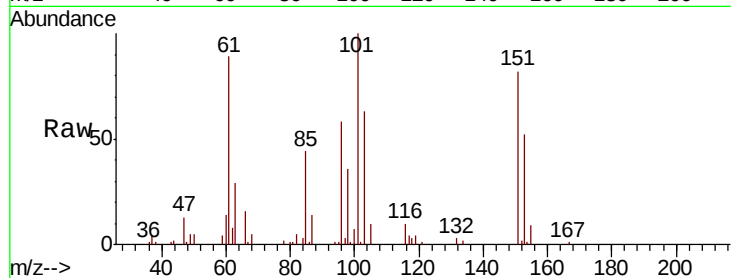
Tot Ion:101 Resp: 71346

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

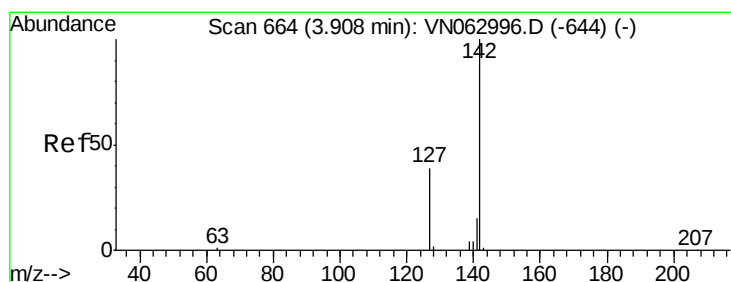
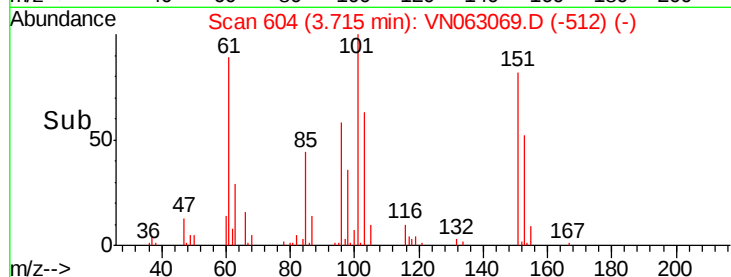
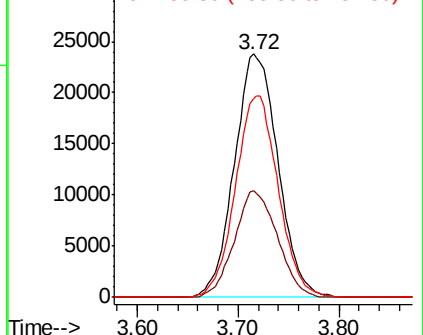
151 81.1 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.406 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

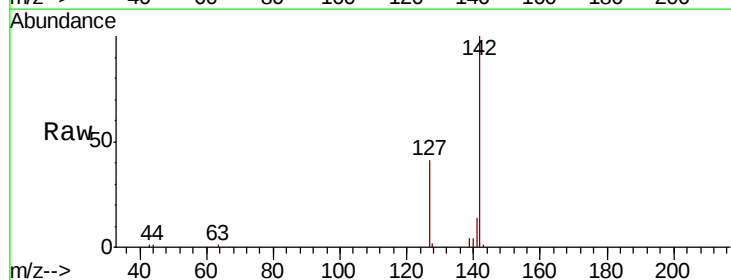
Tgt Ion:142 Resp: 97917

Ion Ratio Lower Upper

142 100

127 41.1 32.2 48.4

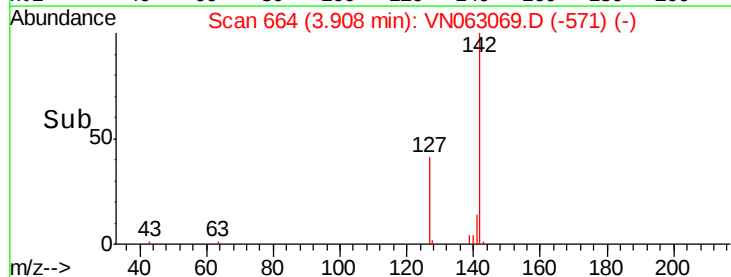
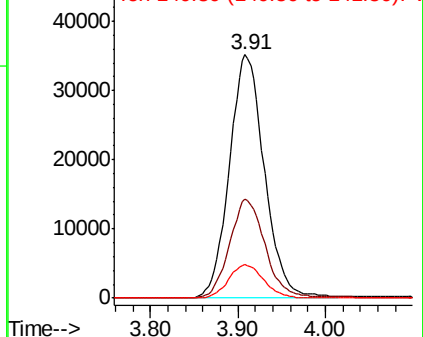
141 13.7 11.3 16.9

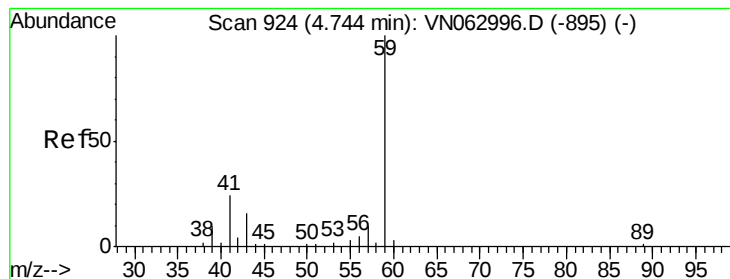


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



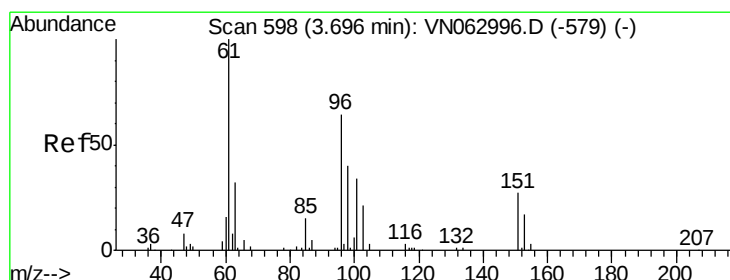
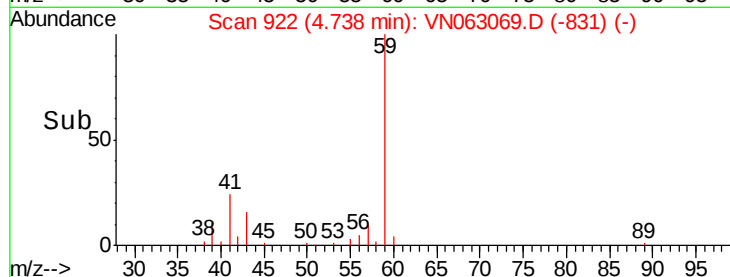
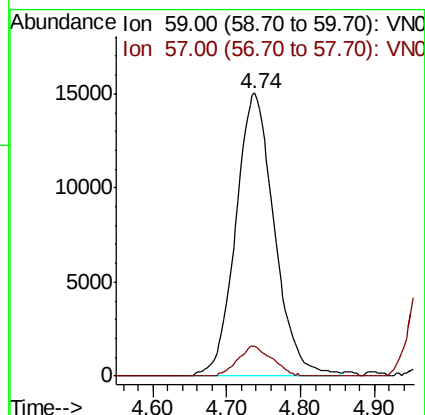
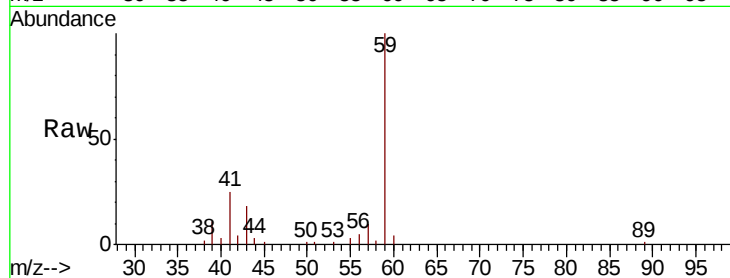


#11

Tert butyl alcohol
 Concen: 197.283 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

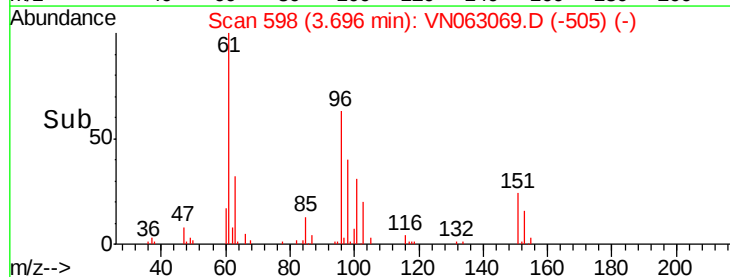
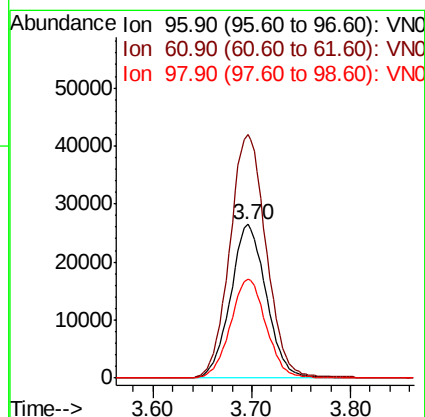
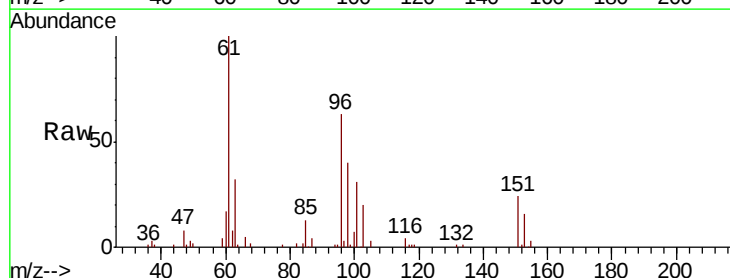
Tot Ion: 59 Resp: 54789
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.6

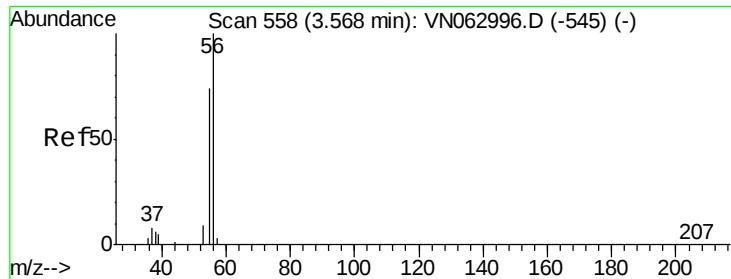


#12

1,1-Dichloroethene
 Concen: 47.573 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion: 96 Resp: 66803
 Ion Ratio Lower Upper
 96 100
 61 158.2 125.5 188.3
 98 64.0 50.4 75.6





#13

Acrolein

Concen: 162.065 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

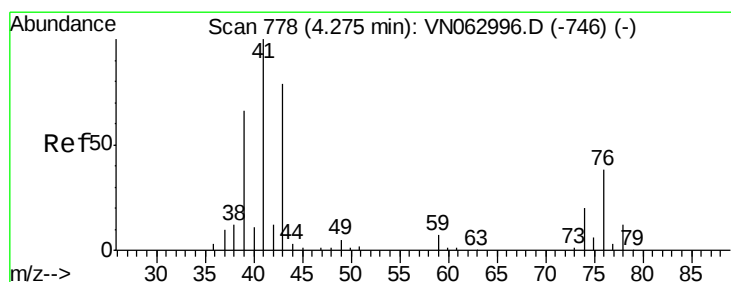
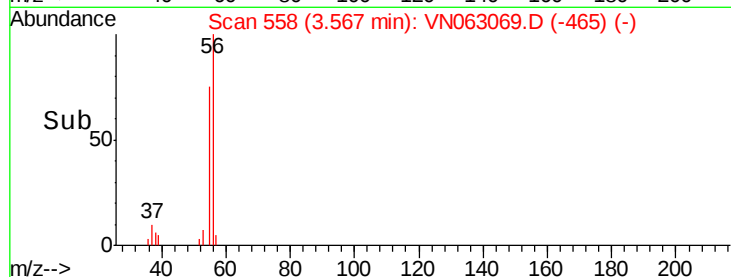
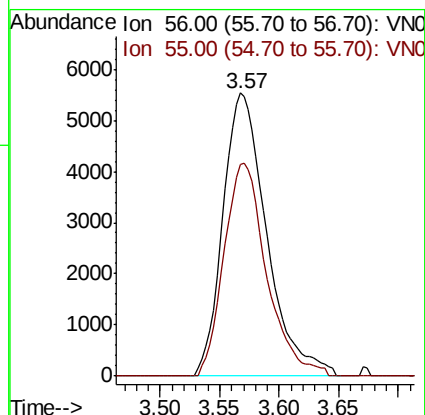
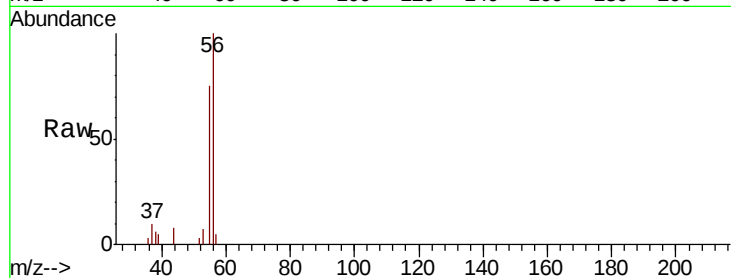
VSTDCCC050EC

Tot Ion: 56 Resp: 14100

Ion Ratio Lower Upper

56 100

55 73.2 58.4 87.6



#14

Allyl chloride

Concen: 47.084 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

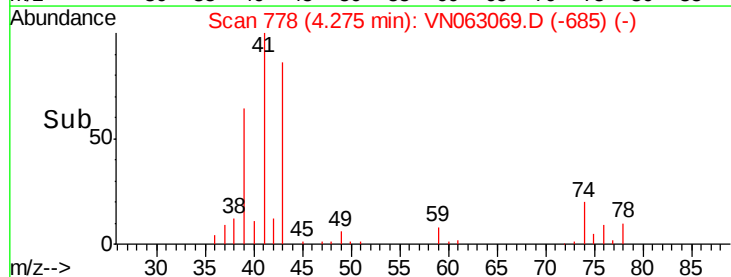
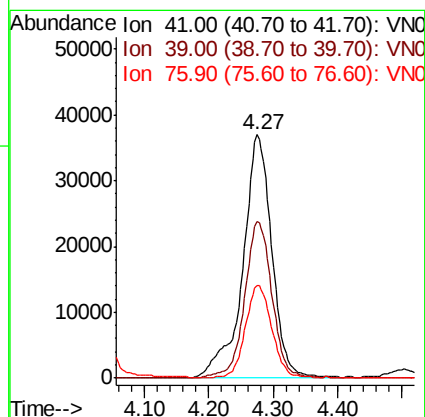
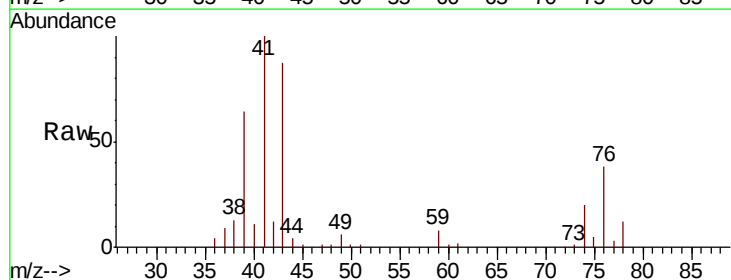
Tgt Ion: 41 Resp: 116575

Ion Ratio Lower Upper

41 100

39 60.3 47.9 71.9

76 34.6 27.0 40.6





#15

Acrylonitrile

Concen: 257.831 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

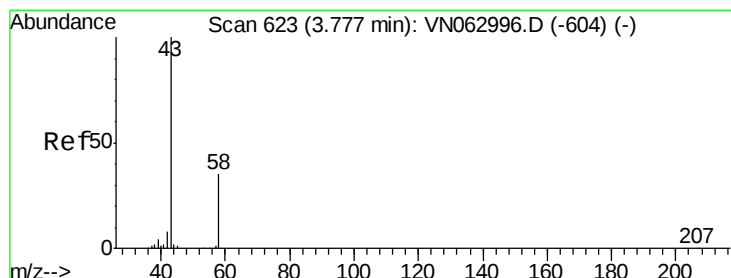
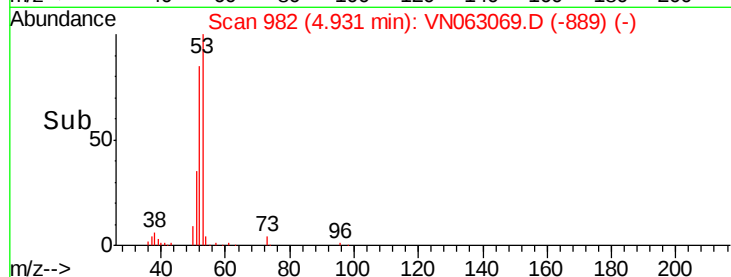
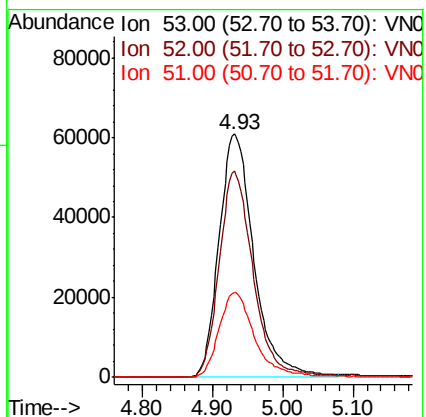
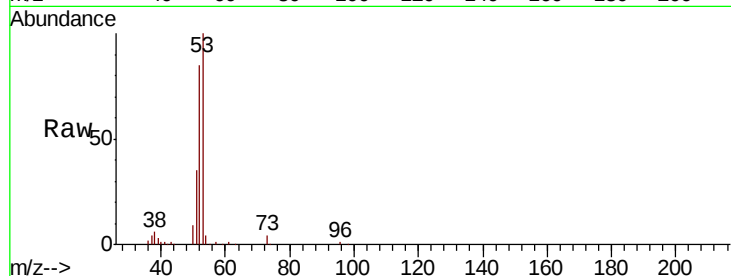
Tot Ion: 53 Resp: 210459

Ion Ratio Lower Upper

53 100

52 82.7 65.6 98.4

51 35.7 28.2 42.4



#16

Acetone

Concen: 253.020 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063069.D

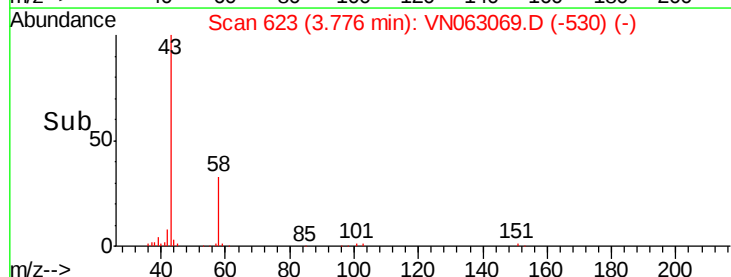
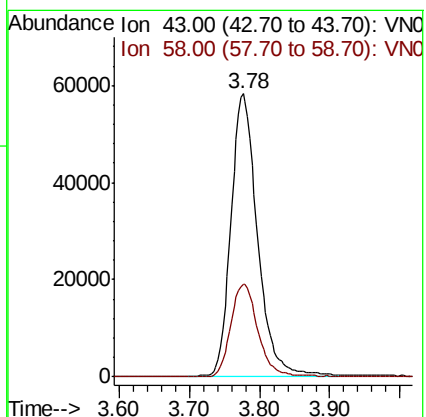
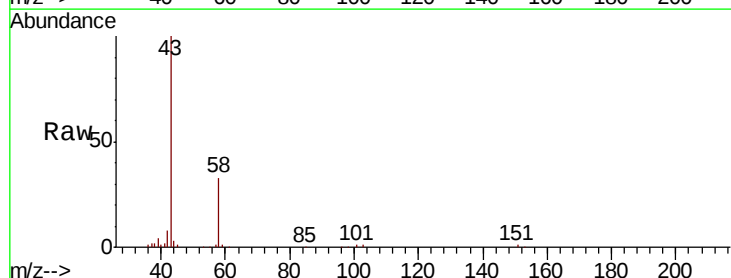
Acq: 21 Aug 2020 5:42

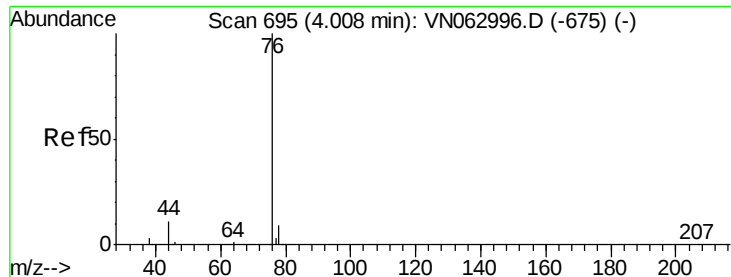
Tgt Ion: 43 Resp: 154669

Ion Ratio Lower Upper

43 100

58 32.8 27.8 41.6

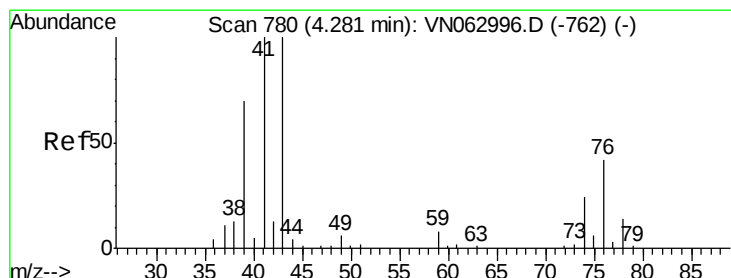
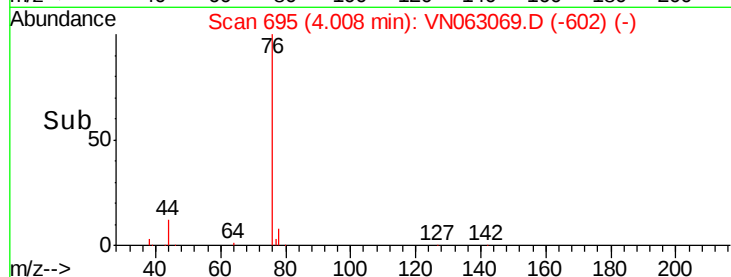
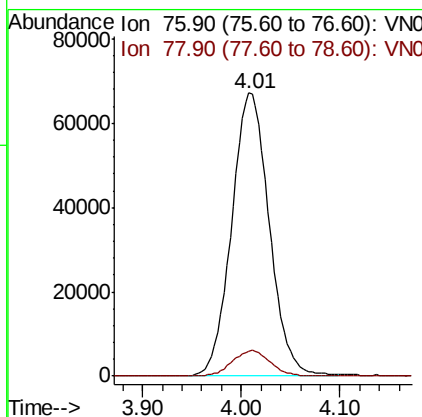
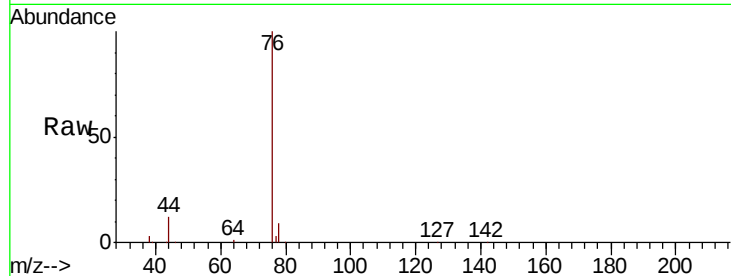




#17
Carbon Disulfide
Concen: 48.415 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

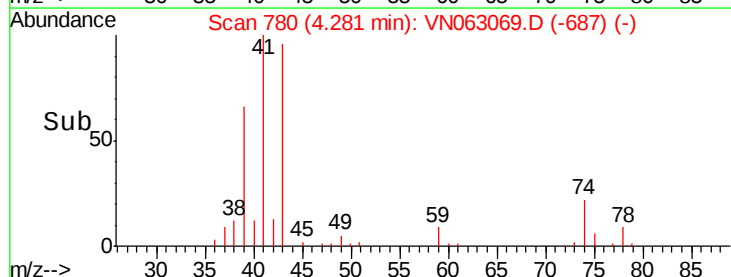
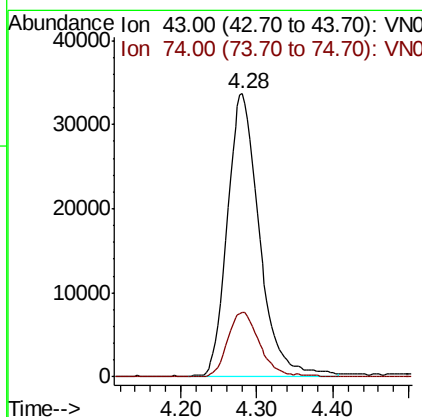
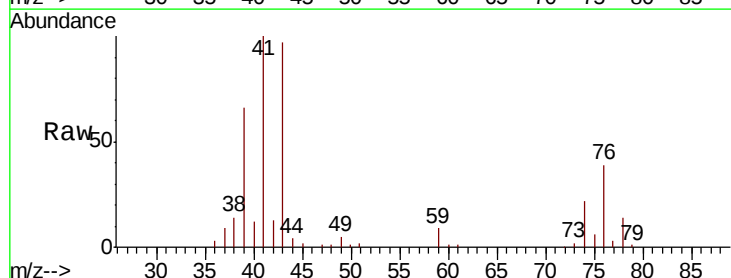
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

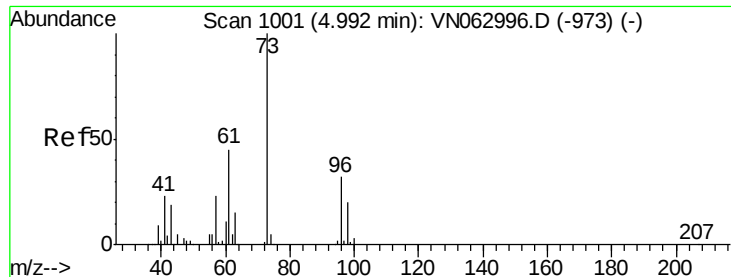
Tot Ion: 76 Resp: 178049
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 50.765 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 43 Resp: 98913
Ion Ratio Lower Upper
43 100
74 22.6 18.6 28.0

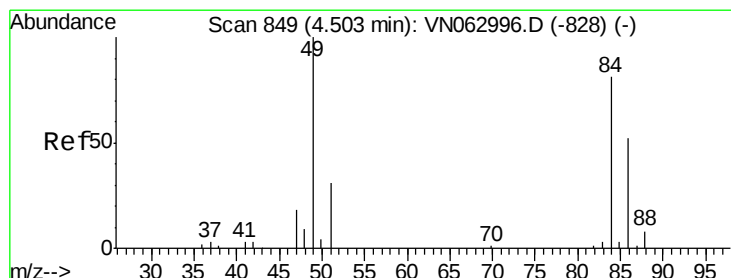
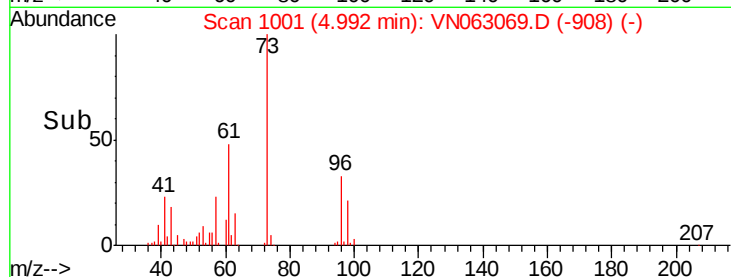
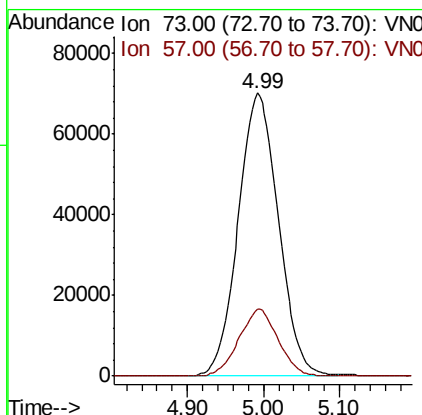
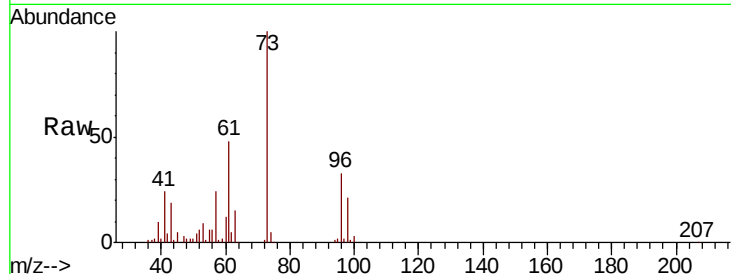




#19
Methvl tert-butvl Ether
Concen: 52.716 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

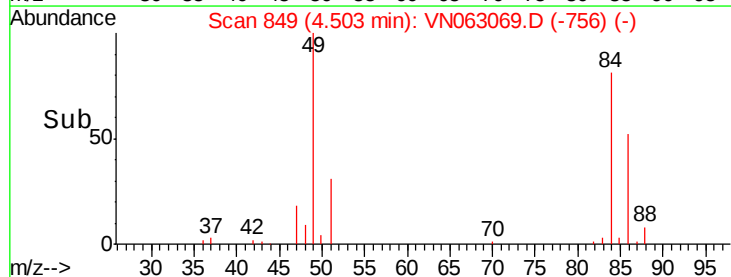
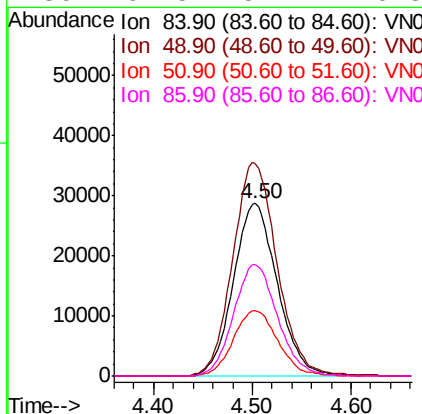
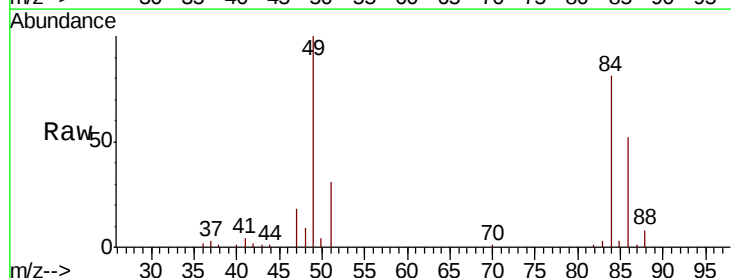
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

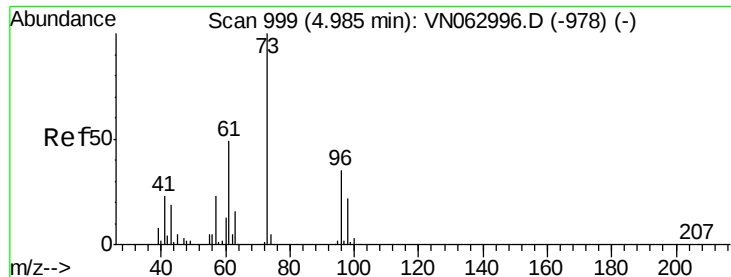
Tot Ion: 73 Resp: 258160
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1



#20
Methylene Chloride
Concen: 51.232 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 84 Resp: 88504
Ion Ratio Lower Upper
84 100
49 123.1 98.7 148.1
51 37.7 30.8 46.2
86 64.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.546 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

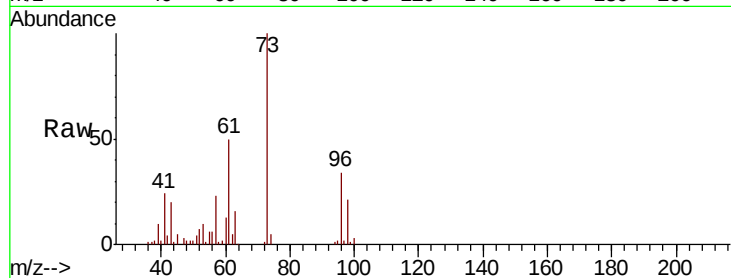
Tot Ion: 96 Resp: 74280

Ion Ratio Lower Upper

96 100

61 148.0 112.5 168.7

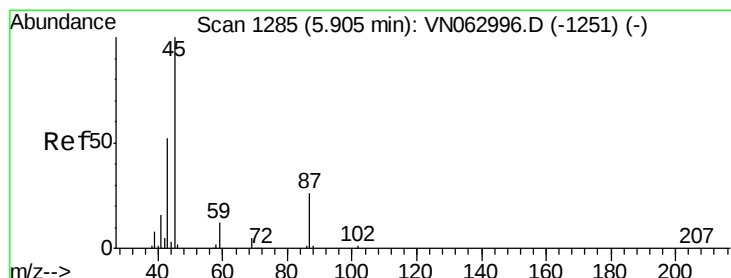
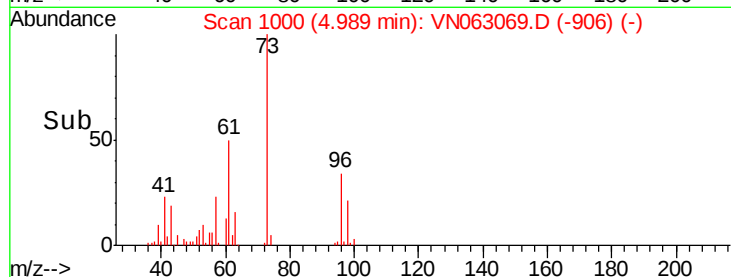
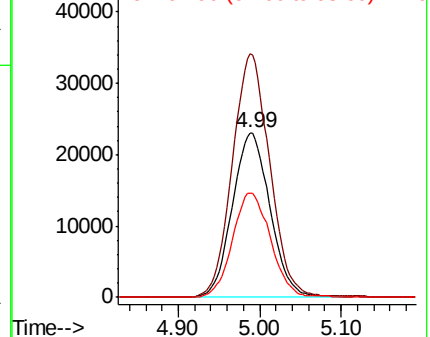
98 63.7 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN063069.D (-996) (-)

Ion 60.90 (60.60 to 61.60): VN063069.D (-996) (-)

Ion 97.90 (97.60 to 98.60): VN063069.D (-996) (-)



#22

Diisopropyl ether

Concen: 54.209 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Tgt Ion: 45 Resp: 304571

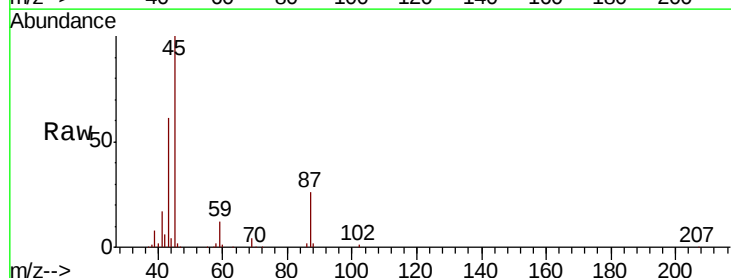
Ion Ratio Lower Upper

45 100

43 59.7 45.7 68.5

87 26.3 21.8 32.6

59 12.0 9.3 13.9

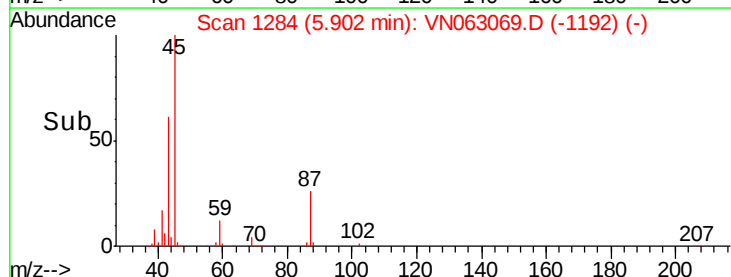
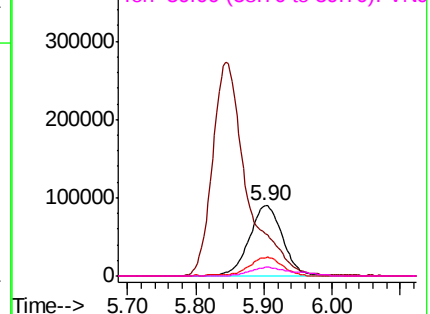


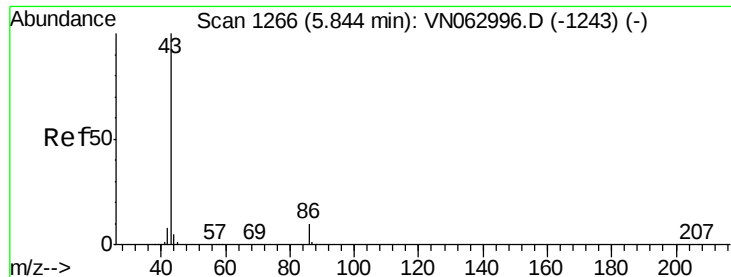
Abundance Ion 45.00 (44.70 to 45.70): VN063069.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN063069.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN063069.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN063069.D (-1192) (-)

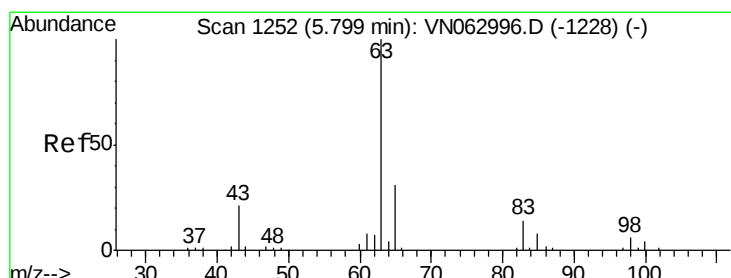
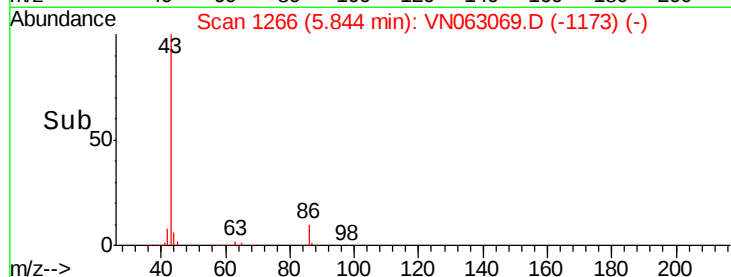
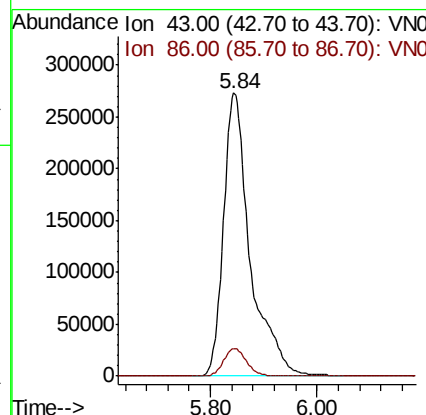
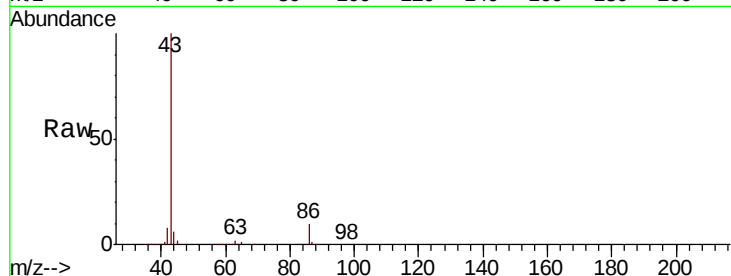




#23
 Vinyl Acetate
 Concen: 251.259 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

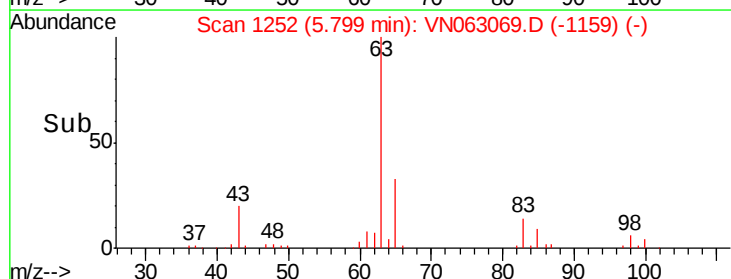
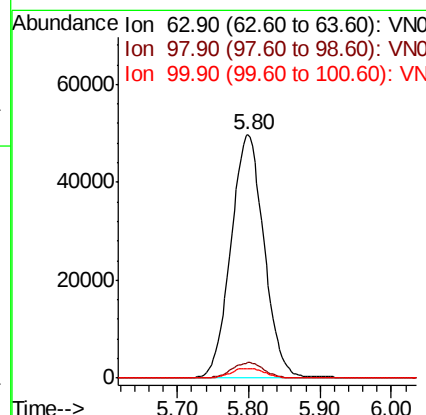
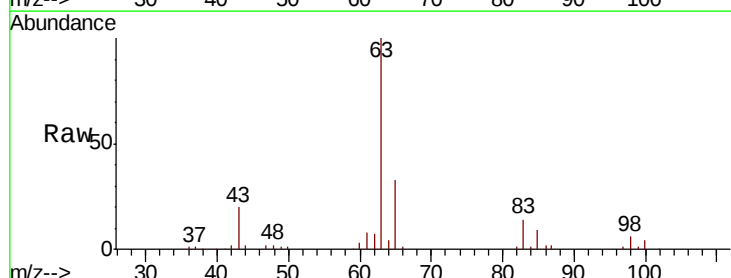
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

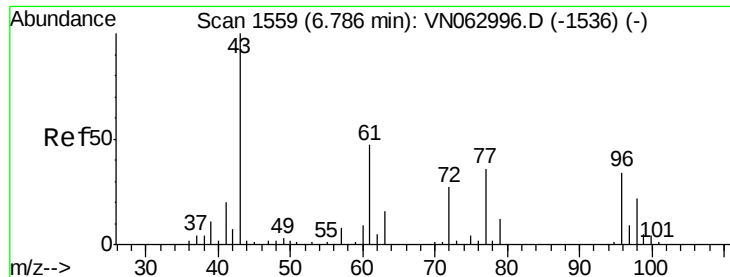
Tot Ion: 43 Resp: 952631
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 51.172 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion: 63 Resp: 160662
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 239.761 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

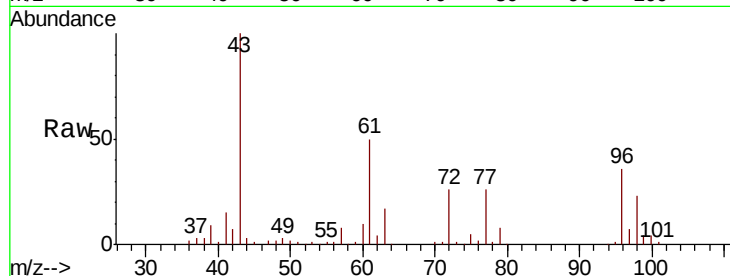
VSTDCCC050EC

Tot Ion: 43 Resp: 249571

Ion Ratio Lower Upper

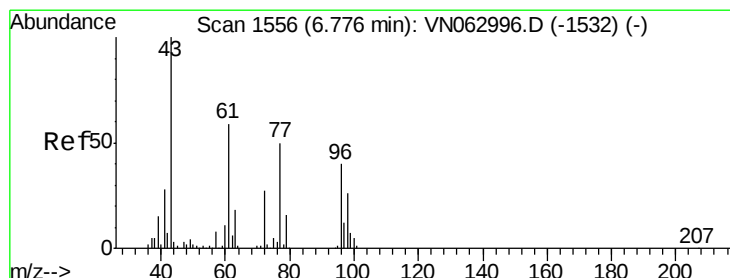
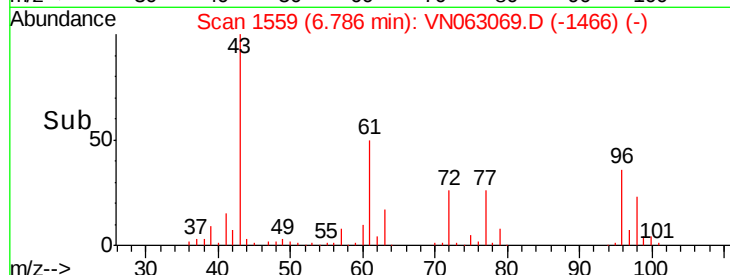
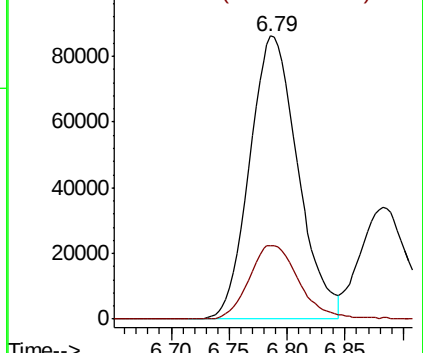
43 100

72 26.1 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 32.903 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063069.D

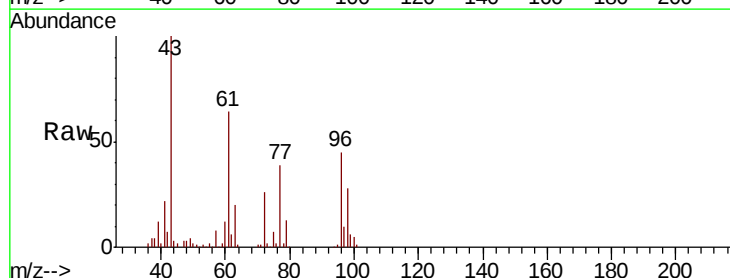
Acq: 21 Aug 2020 5:42

Tgt Ion: 77 Resp: 81242

Ion Ratio Lower Upper

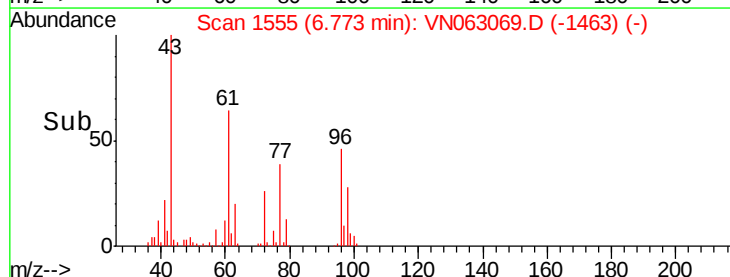
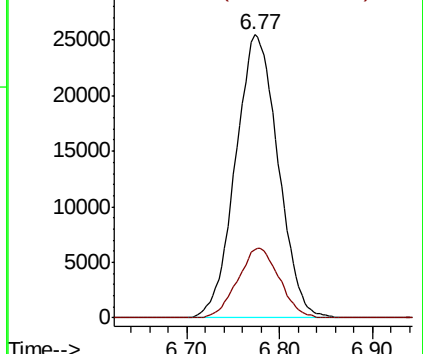
77 100

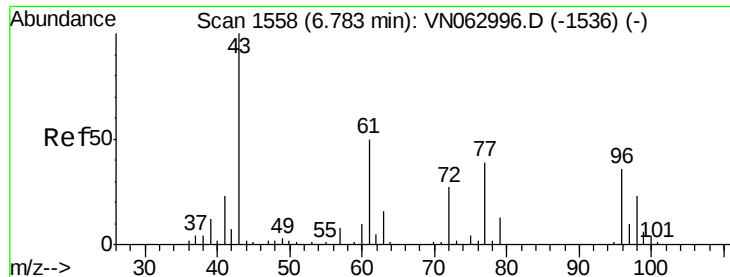
97 24.0 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.451 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

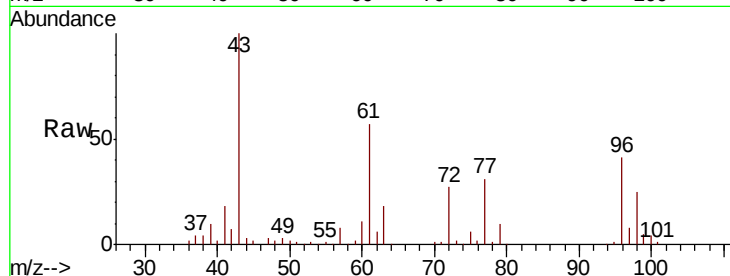
Tot Ion: 96 Resp: 92927

Ion Ratio Lower Upper

96 100

61 141.2 0.0 292.8

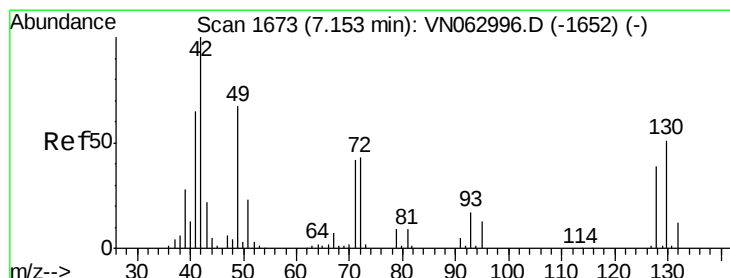
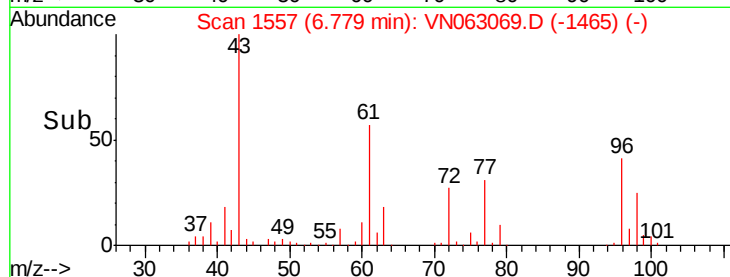
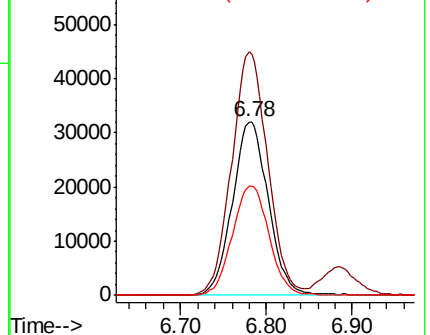
98 64.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN063069.D (-1536) (-)

Ion 60.90 (60.60 to 61.60): VN063069.D (-1536) (-)

Ion 97.90 (97.60 to 98.60): VN063069.D (-1536) (-)



#28

Bromochloromethane

Concen: 52.529 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

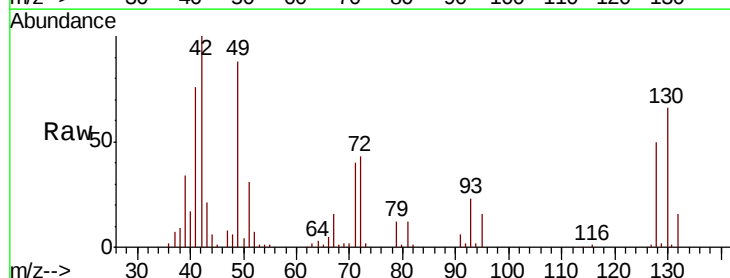
Tgt Ion: 49 Resp: 86292

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

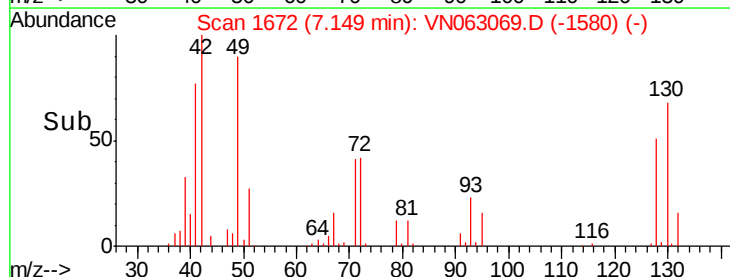
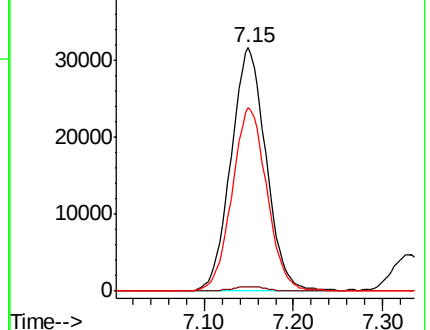
130 74.9 61.1 91.7

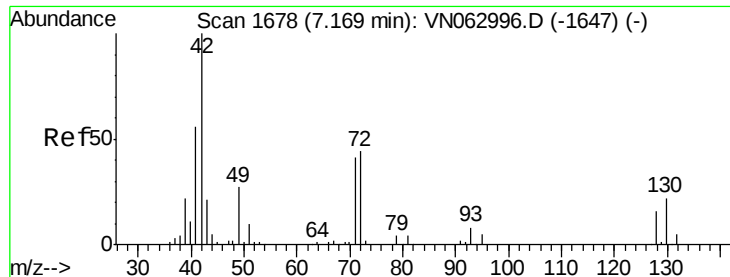


Abundance Ion 48.90 (48.60 to 49.60): VN063069.D (-1580) (-)

Ion 128.80 (128.50 to 129.50): VN063069.D (-1580) (-)

Ion 129.80 (129.50 to 130.50): VN063069.D (-1580) (-)

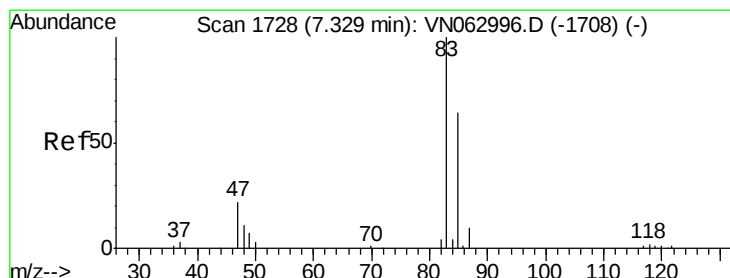
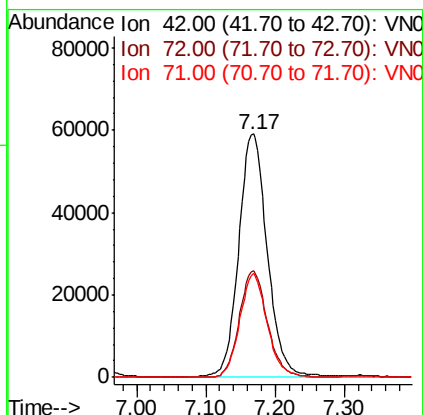
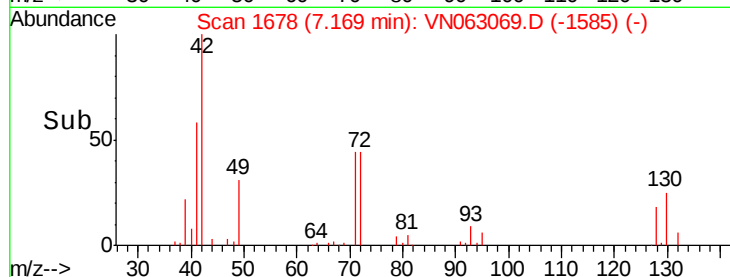
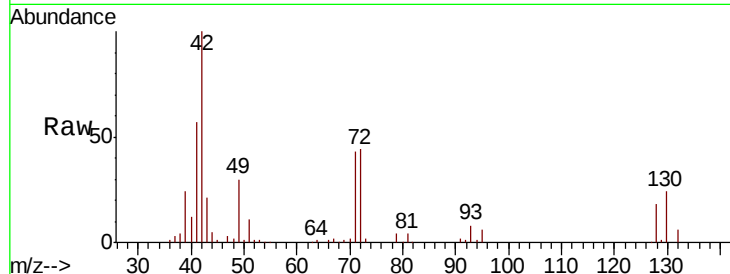




#29
Tetrahydrofuran
Concen: 253.177 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

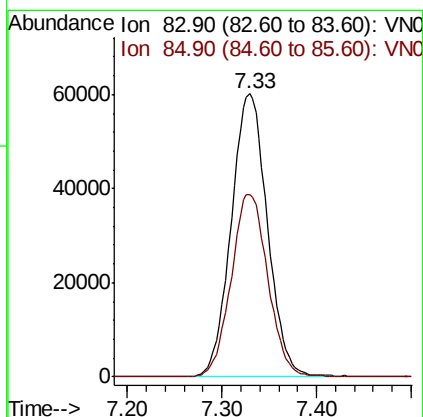
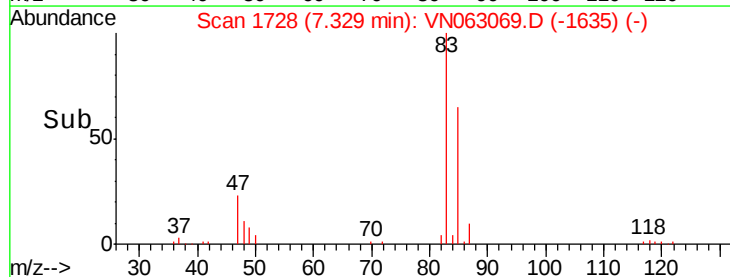
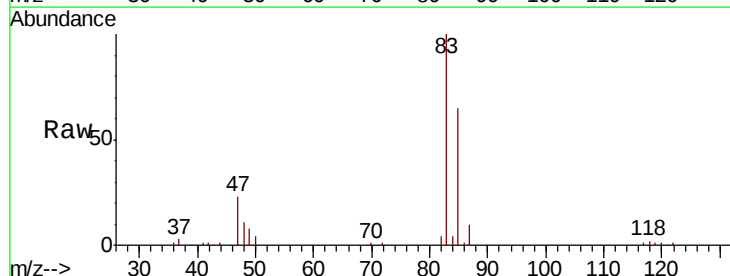
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

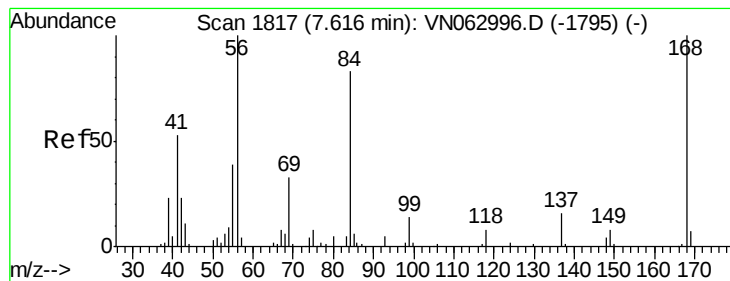
Tot Ion: 42 Resp: 170086
Ion Ratio Lower Upper
42 100
72 42.7 34.6 52.0
71 40.6 32.3 48.5



#30
Chloroform
Concen: 50.578 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 83 Resp: 159931
Ion Ratio Lower Upper
83 100
85 64.5 51.5 77.3





#31

Cyclohexane

Concen: 50.558 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

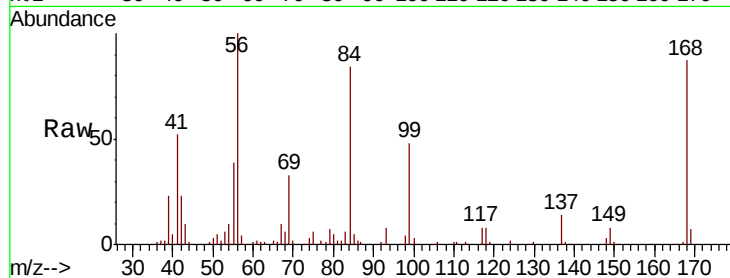
Tot Ion: 56 Resp: 146097

Ion Ratio Lower Upper

56 100

69 32.9 26.6 40.0

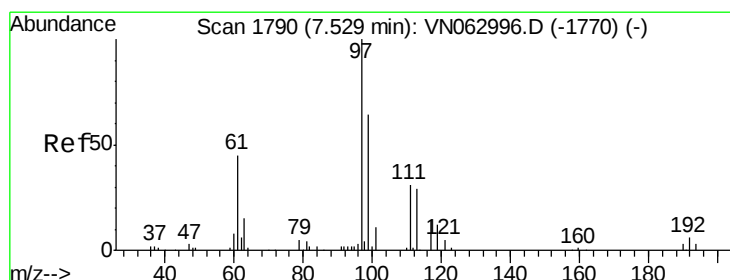
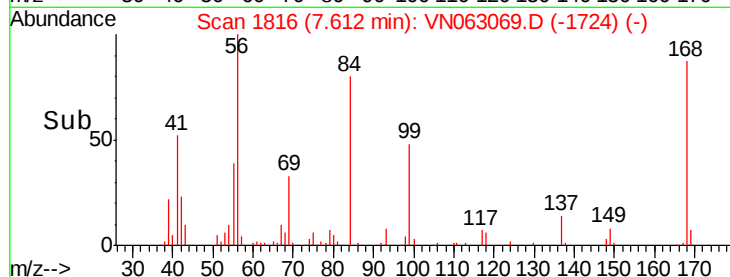
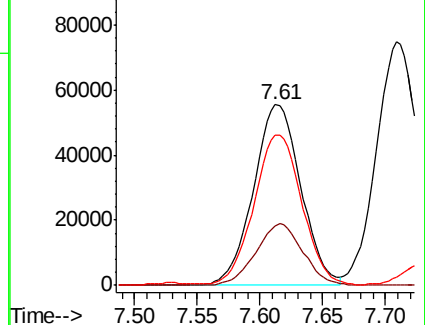
84 82.5 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062996.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062996.D (-1795) (-)



#32

1,1,1-Trichloroethane

Concen: 50.696 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

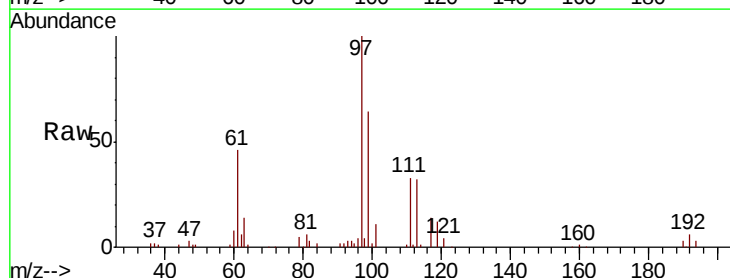
Tgt Ion: 97 Resp: 130871

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

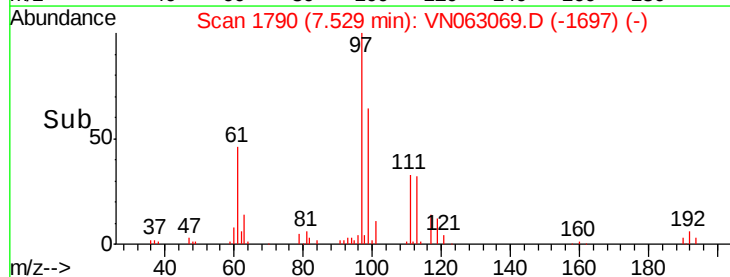
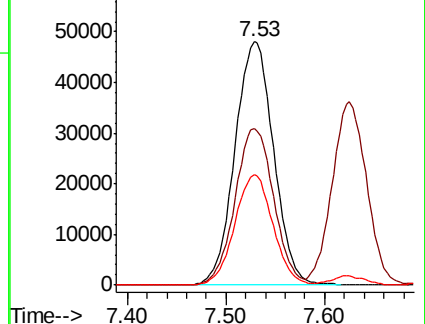
61 44.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN062996.D (-1770) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1770) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-1770) (-)





#33

1,2-Dichloroethane-d4

Concen: 53.215 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

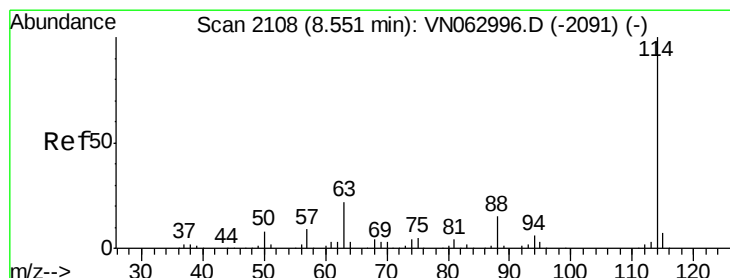
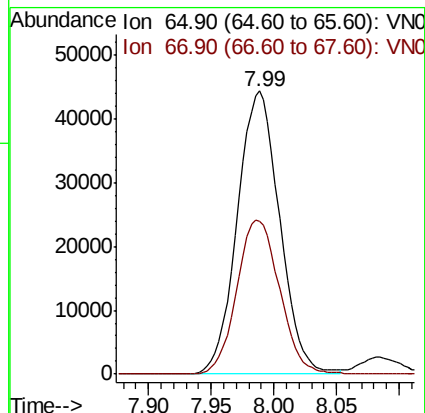
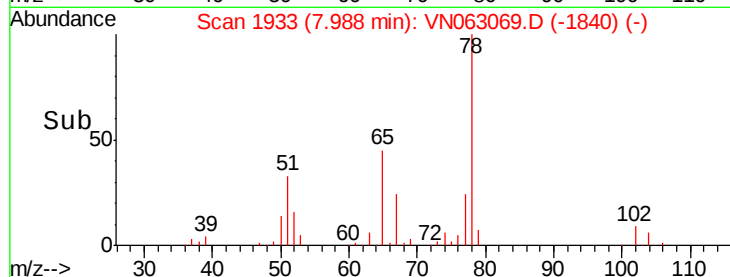
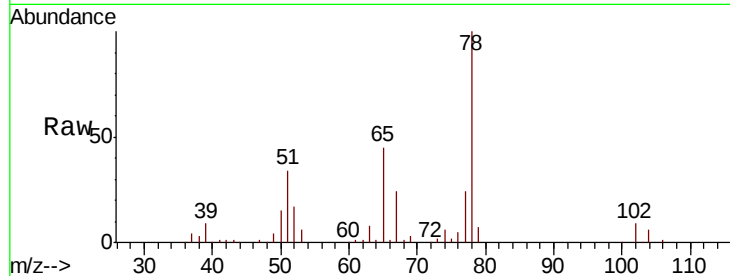
VSTDCCC050EC

Tot Ion: 65 Resp: 104337

Ion Ratio Lower Upper

65 100

67 54.9 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

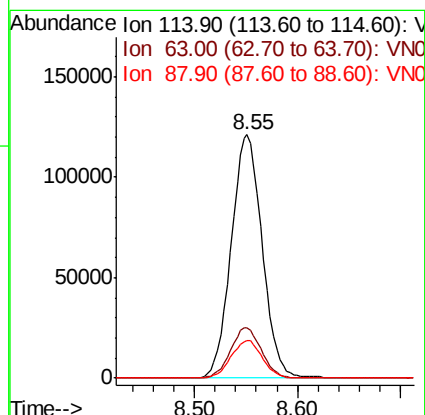
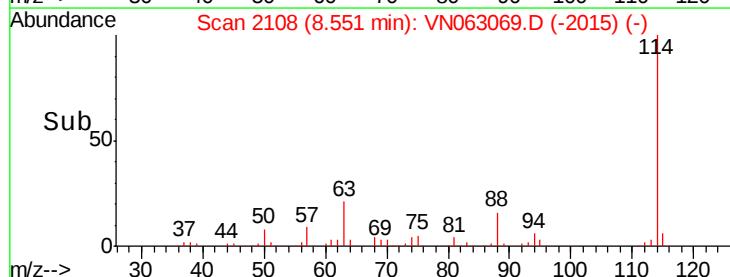
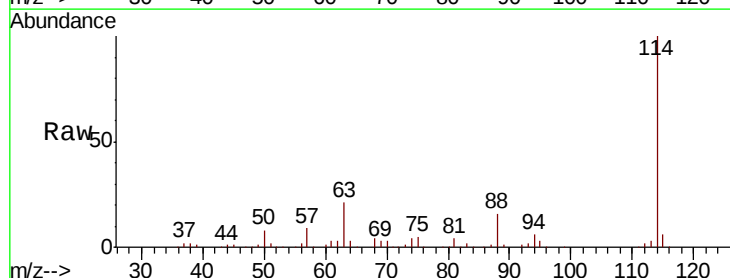
Tgt Ion: 114 Resp: 253567

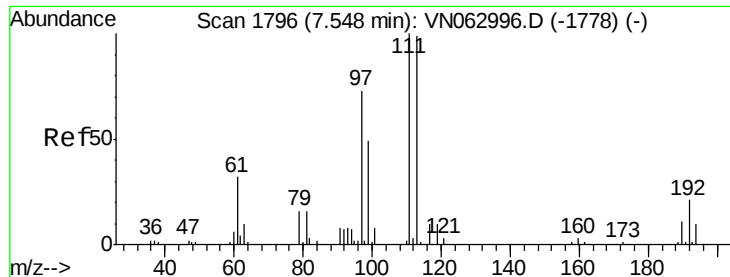
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.7 0.0 30.6

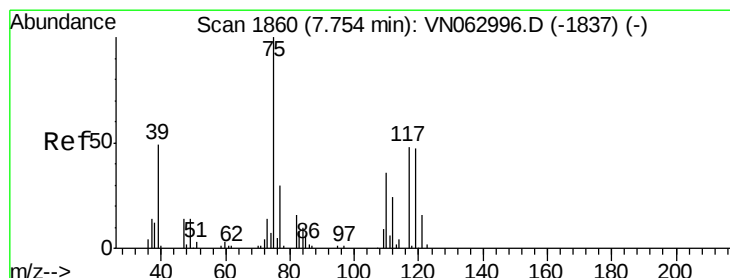
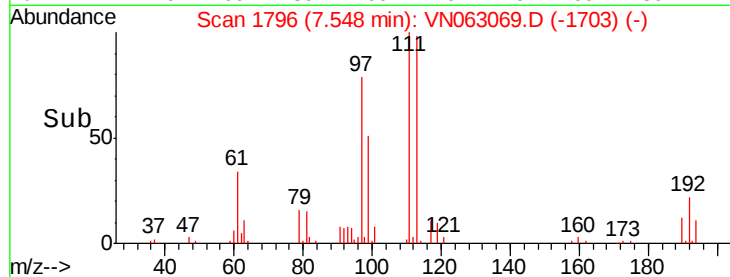
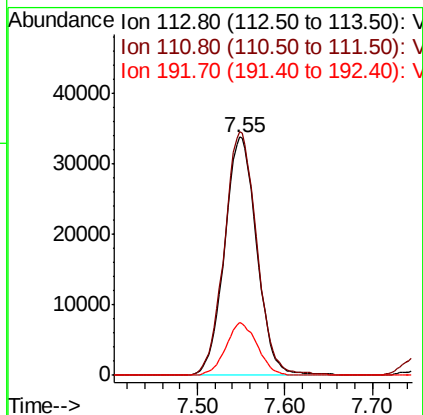
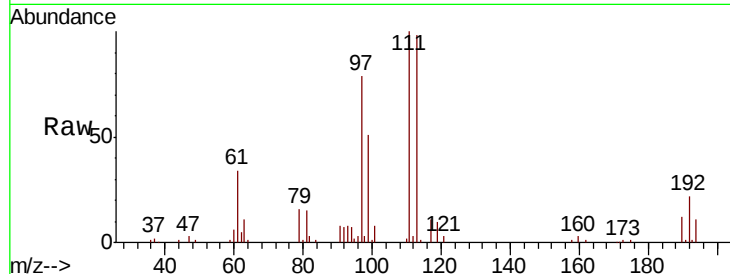




#35
 Dibromofluoromethane
 Concen: 52.270 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

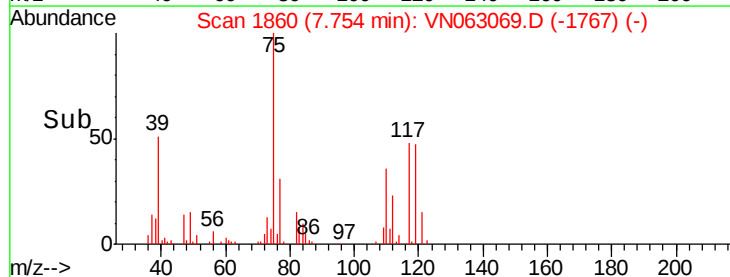
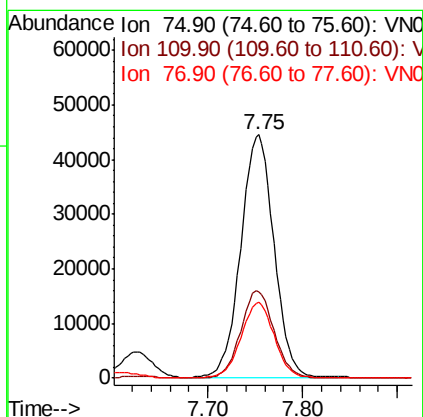
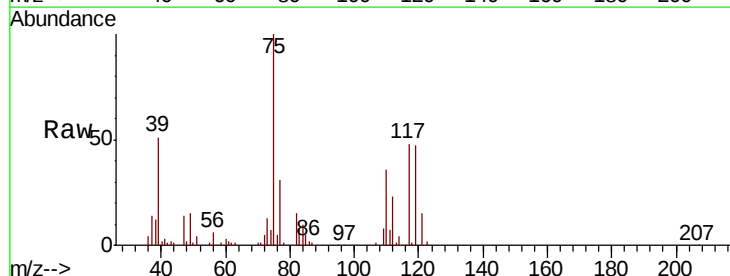
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

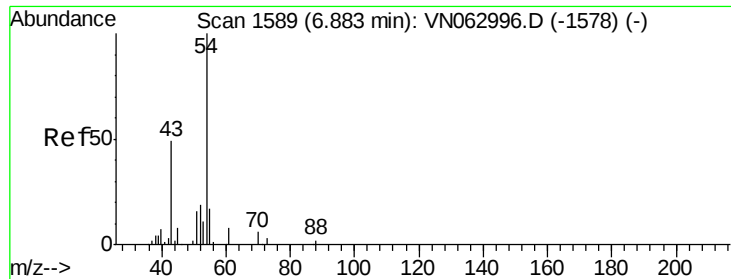
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	21.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 48.848 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.5	52.6
77	31.1	24.2	36.4

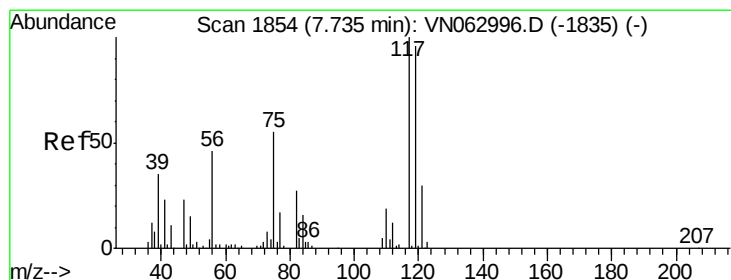
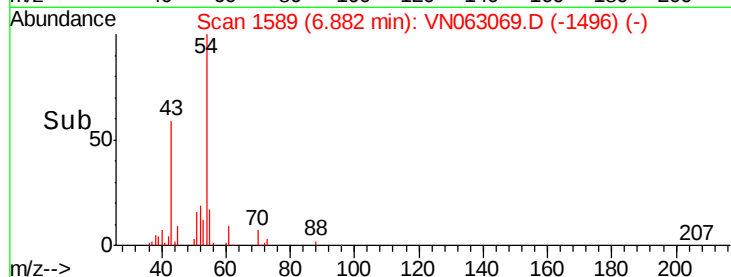
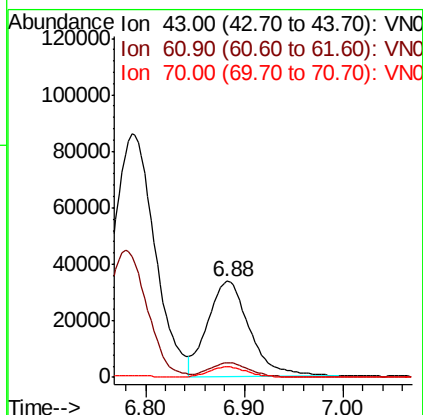
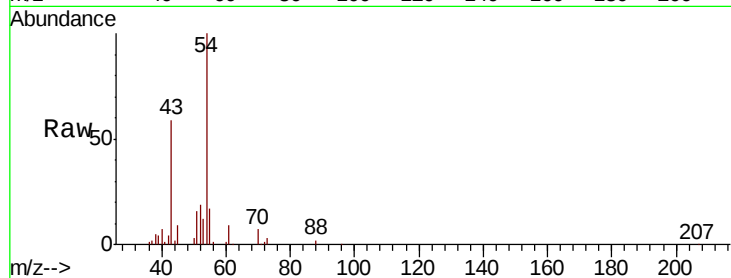




#37
Ethyl Acetate
Concen: 47.854 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

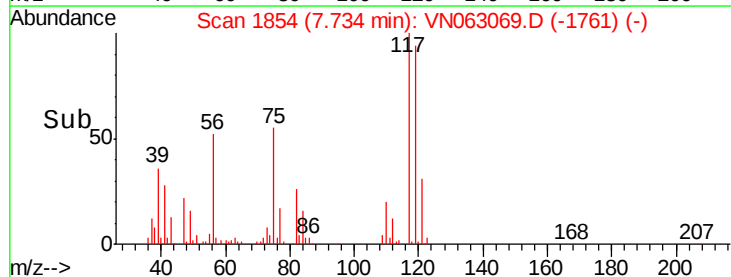
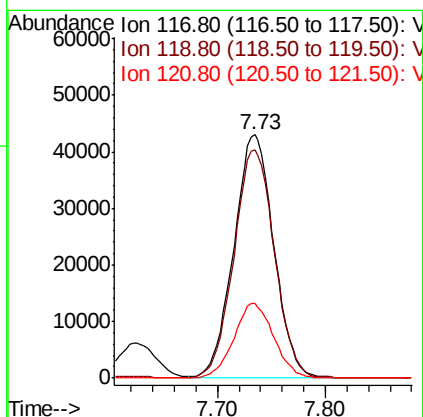
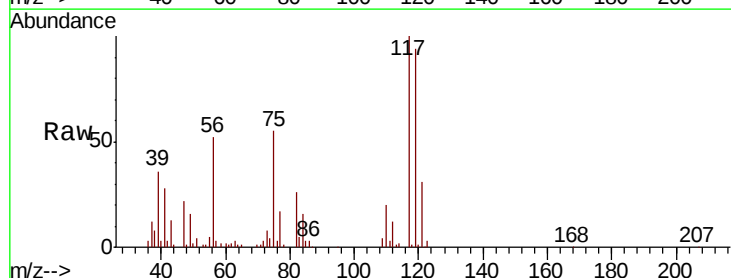
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

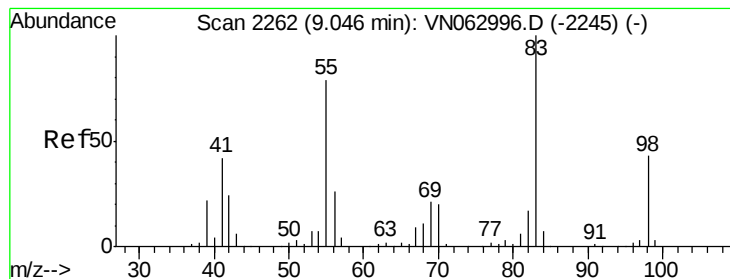
Tot Ion: 43 Resp: 100197
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 49.221 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 117 Resp: 111040
Ion Ratio Lower Upper
117 100
119 93.5 76.2 114.4
121 30.5 24.2 36.2

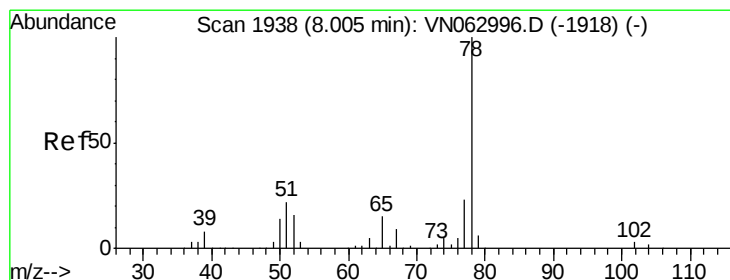
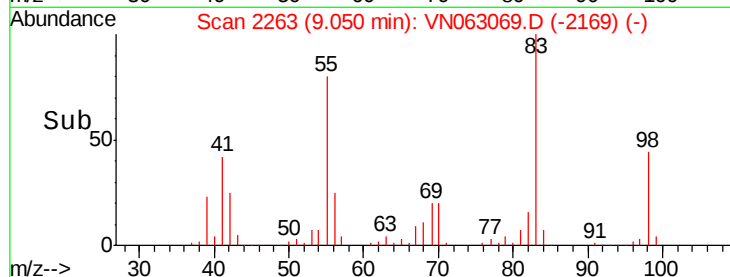
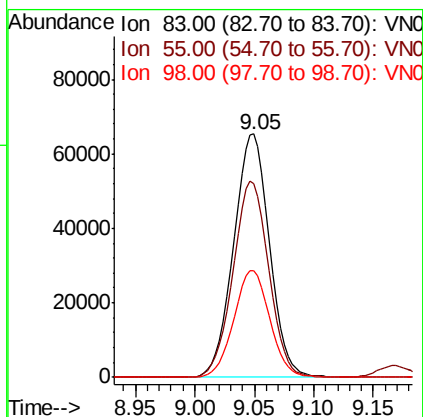
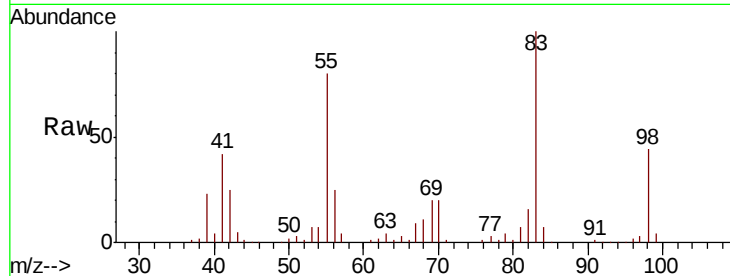




#39
Methvlcvclohexane
Concen: 45.347 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

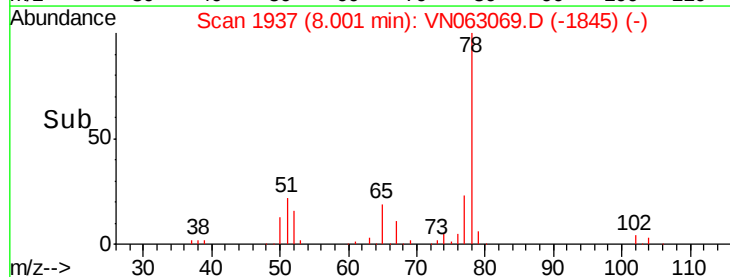
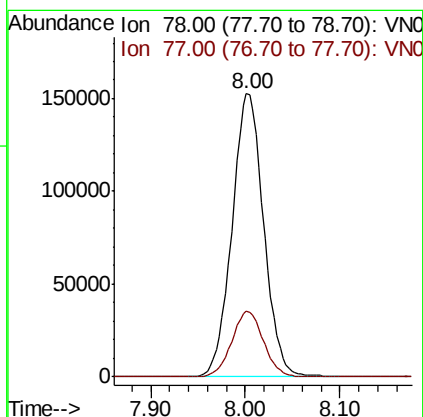
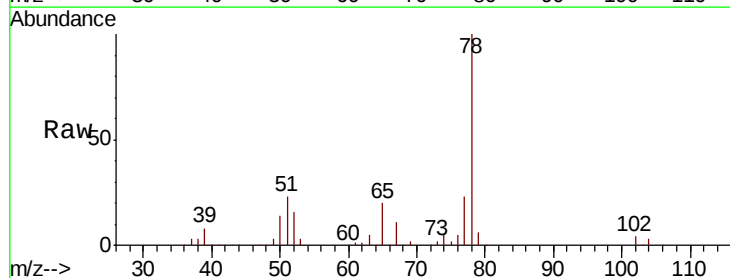
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

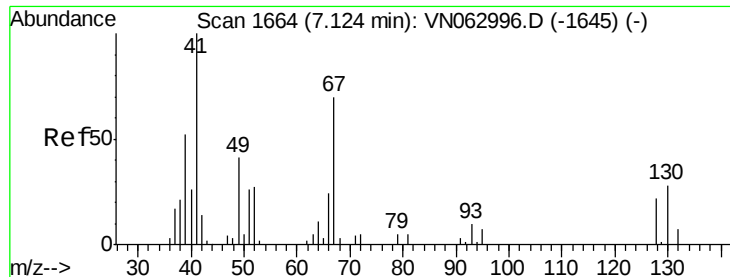
Tot Ion: 83 Resp: 136354
Ion Ratio Lower Upper
83 100
55 79.5 63.3 94.9
98 43.8 34.2 51.4



#40
Benzene
Concen: 50.082 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 78 Resp: 354943
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

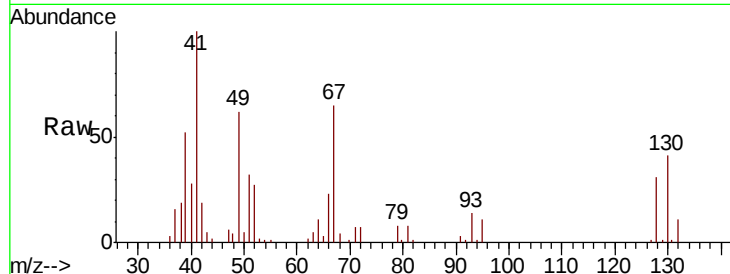




#41
Methacrylonitrile
Concen: 51.145 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	51022
Ion	Ratio	Lower	Upper
41	100		
39	56.9	41.6	62.4
67	86.9	71.8	107.8
52	35.9	28.2	42.4



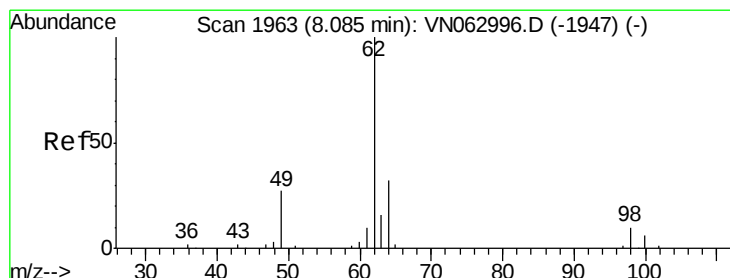
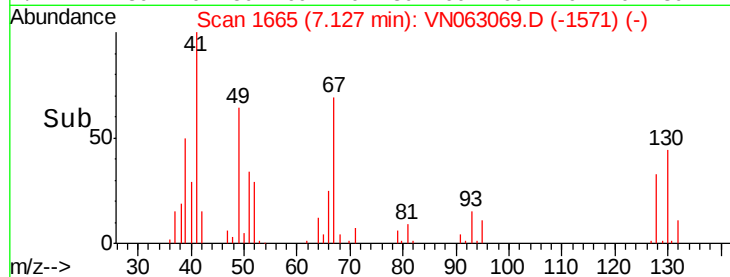
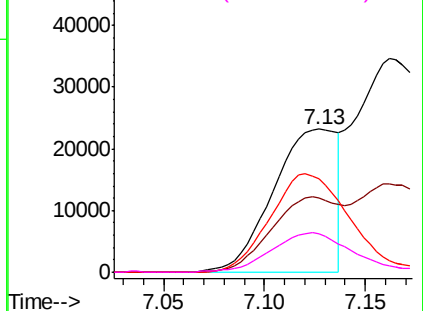
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

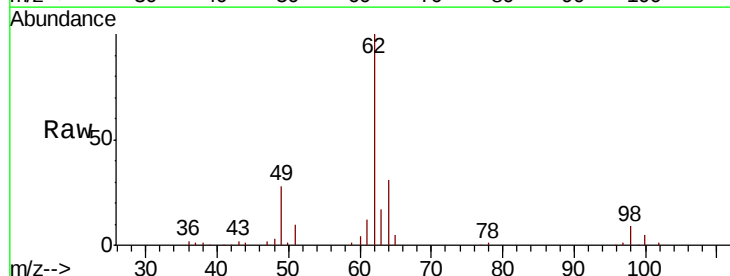
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 50.102 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

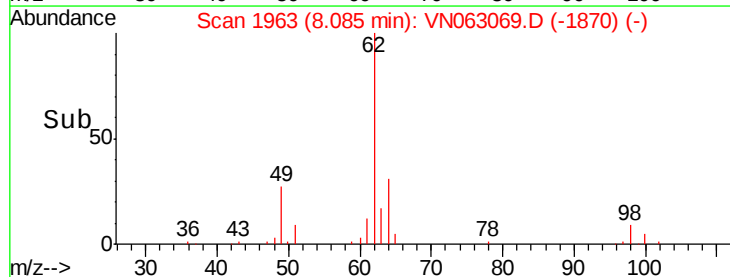
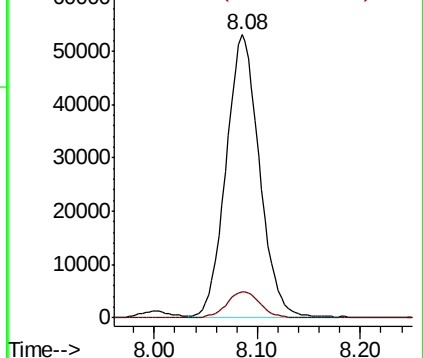
Tgt Ion:	62	Resp:	119229
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

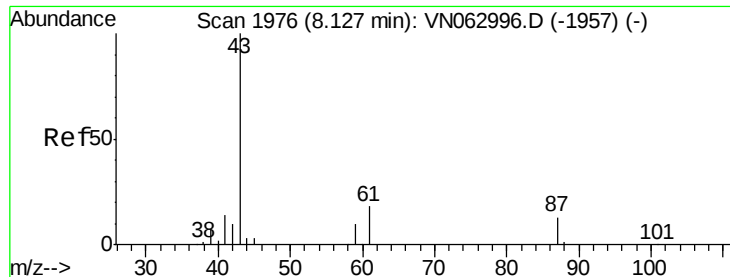


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 48.763 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

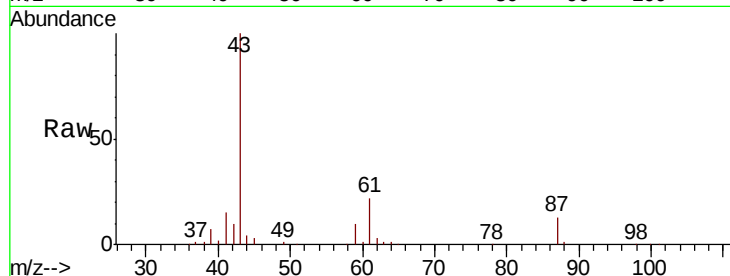
Tot Ion: 43 Resp: 169149

Ion Ratio Lower Upper

43 100

61 20.8 22.6 33.8#

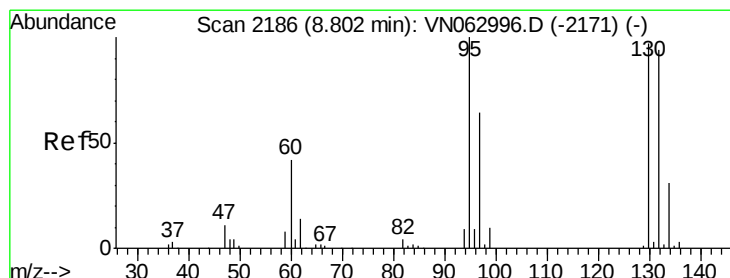
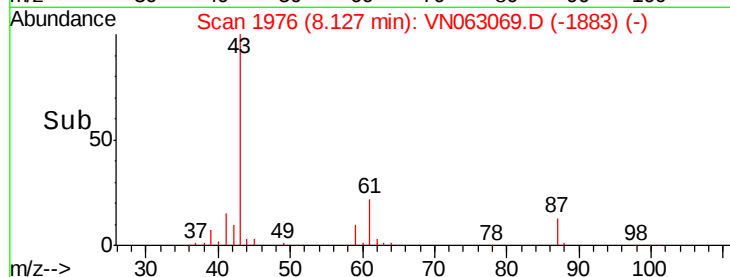
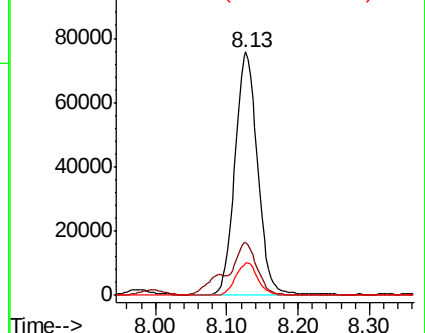
87 13.0 10.5 15.7



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: 48.536 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063069.D

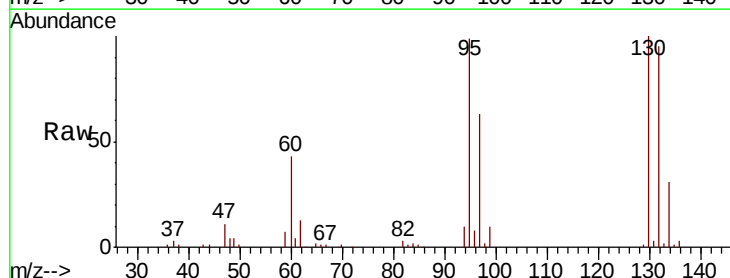
Acq: 21 Aug 2020 5:42

Tgt Ion:130 Resp: 85564

Ion Ratio Lower Upper

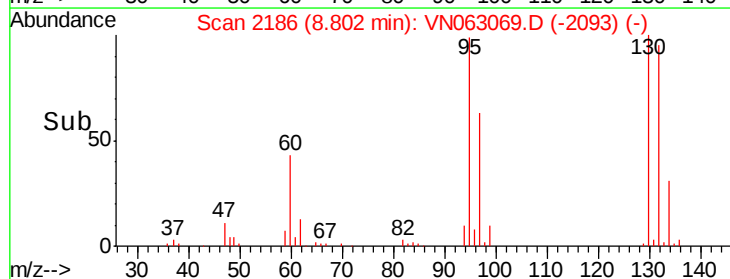
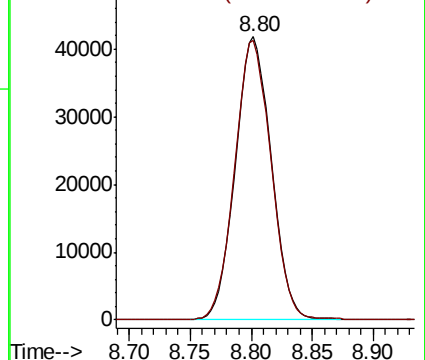
130 100

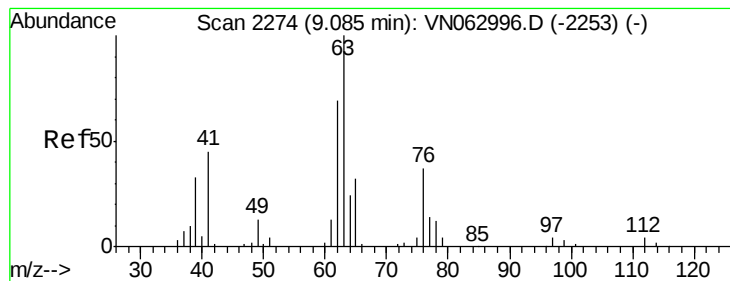
95 98.9 0.0 205.6



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: 49.989 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

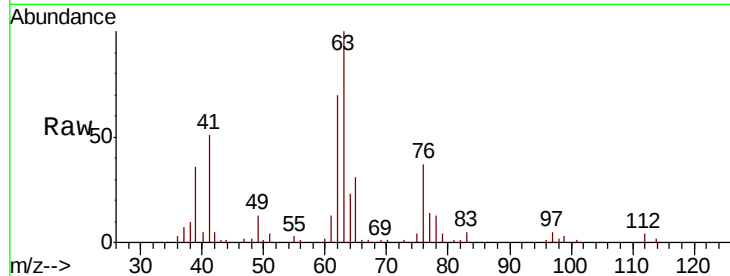
VSTDCCC050EC

Tot Ion: 63 Resp: 102408

Ion Ratio Lower Upper

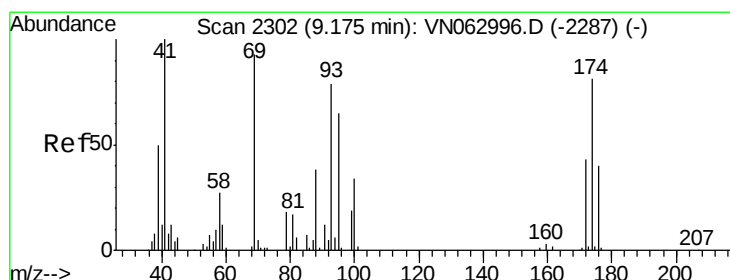
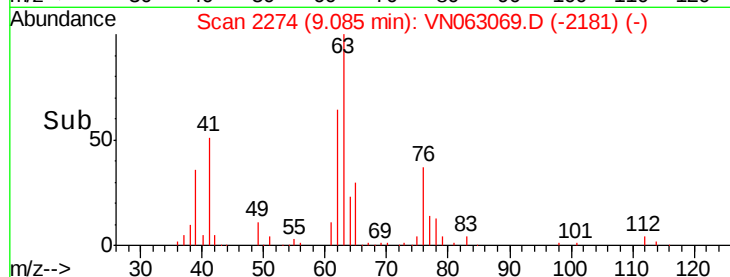
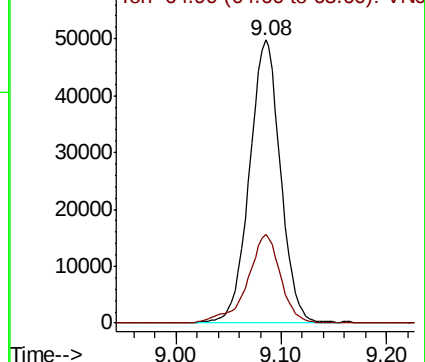
63 100

65 31.2 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.418 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

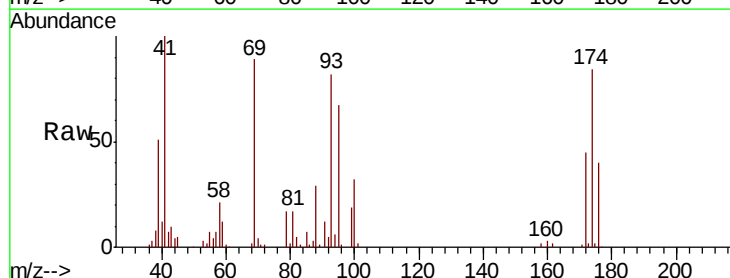
Tgt Ion: 93 Resp: 60852

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

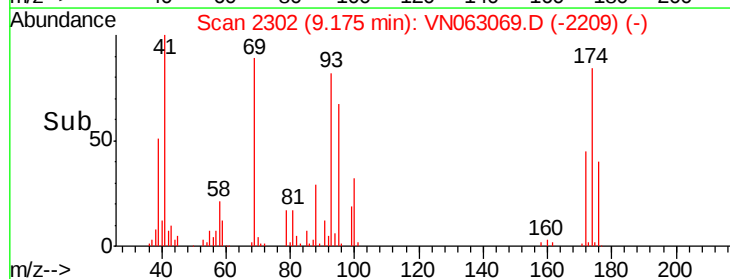
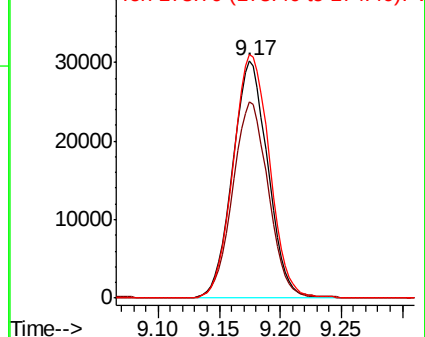
174 105.6 84.6 127.0

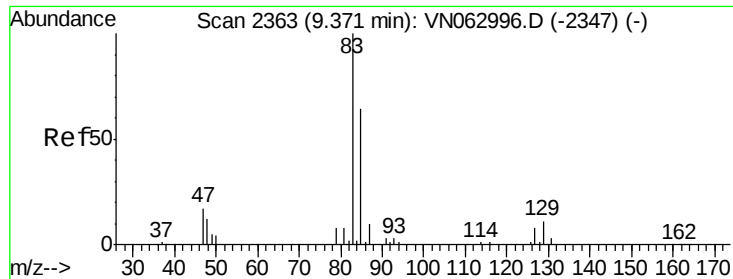


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

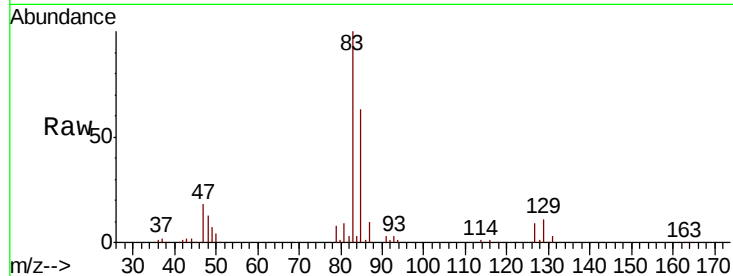




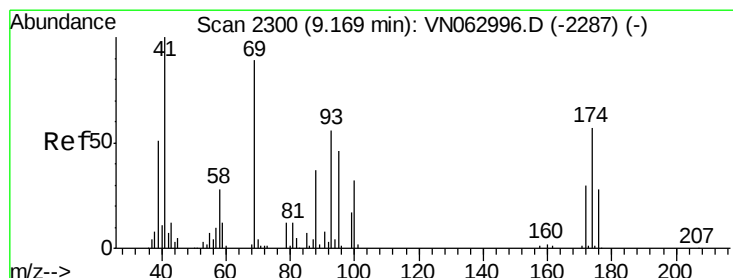
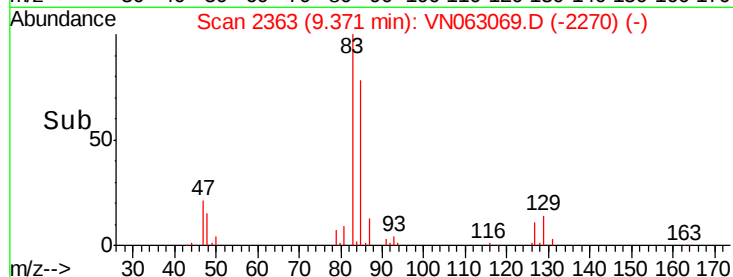
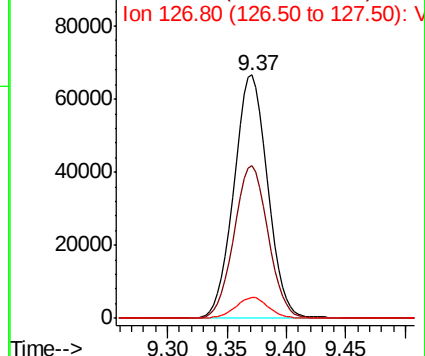
#47
Bromodichloromethane
Concen: 50.647 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 131283
Ion Ratio Lower Upper
83 100
85 62.6 51.1 76.7
127 8.5 6.6 9.8

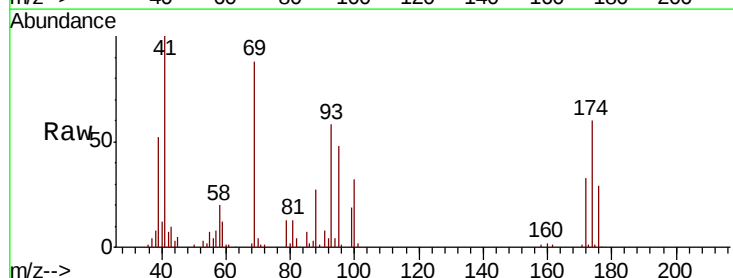


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

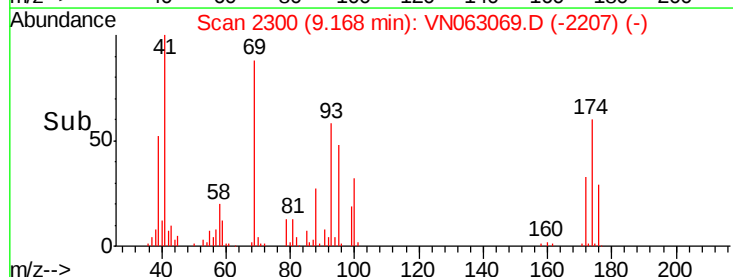
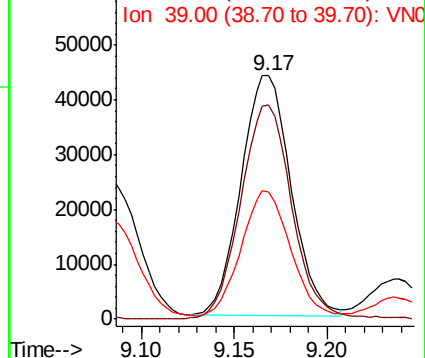


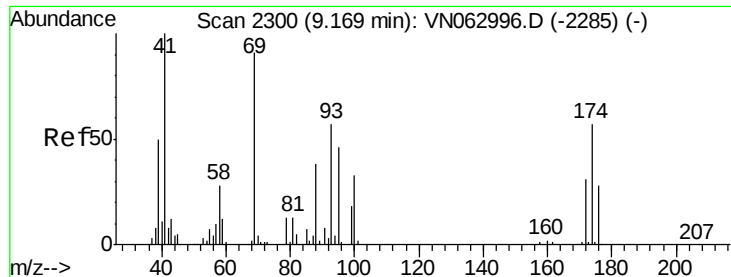
#48
Methyl methacrylate
Concen: 50.099 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 41 Resp: 82225
Ion Ratio Lower Upper
41 100
69 91.7 74.2 111.4
39 53.1 42.5 63.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

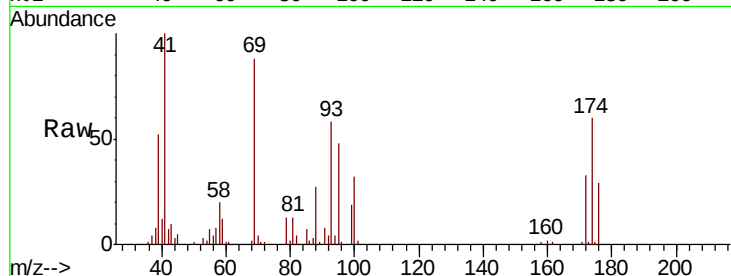




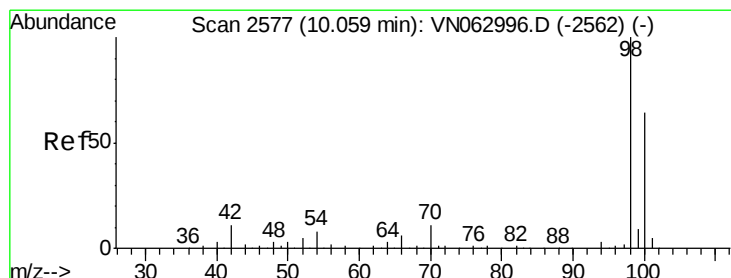
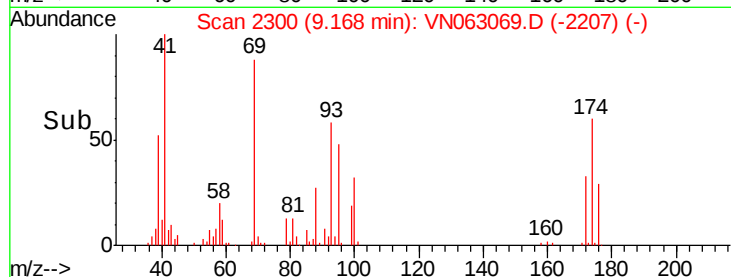
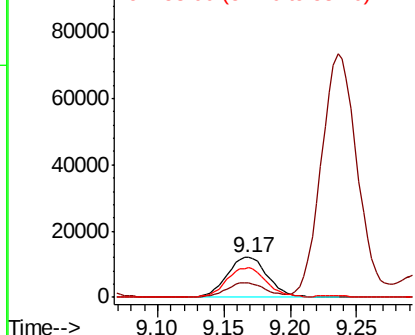
#49
1,4-Dioxane
Concen: 721.063 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 25886
Ion Ratio Lower Upper
88 100
43 35.8 25.2 37.8
58 72.2 56.7 85.1

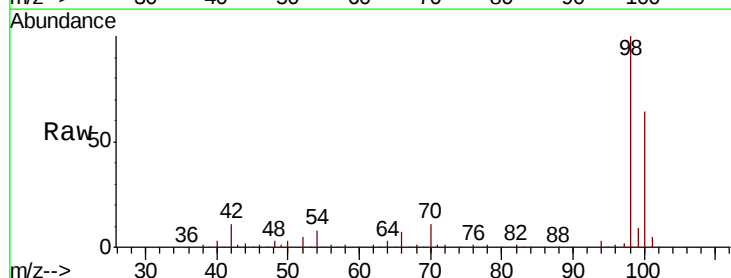


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

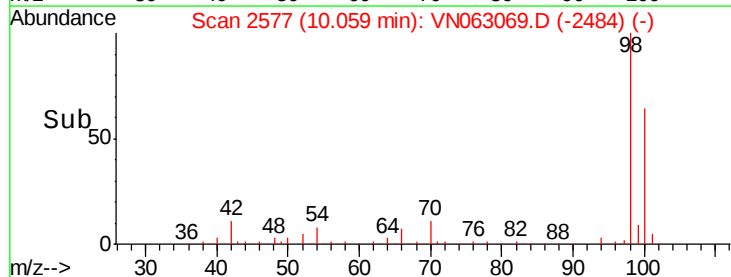
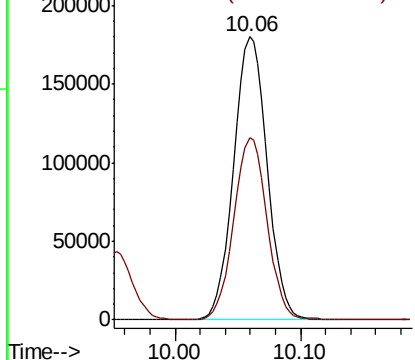


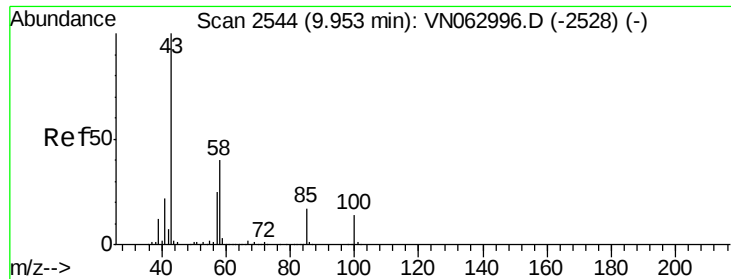
#50
Toluene-d8
Concen: 52.647 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 98 Resp: 334112
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 249.124 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

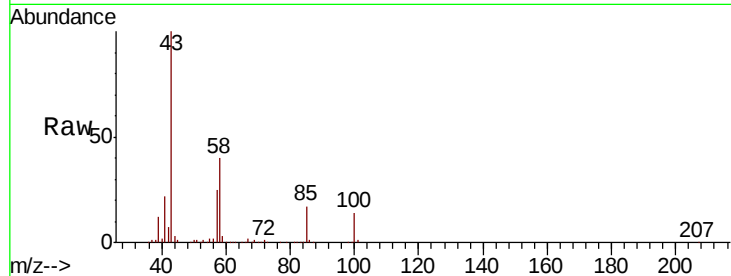
VSTDCCC050EC

Tot Ion: 43 Resp: 546226

Ion Ratio Lower Upper

43 100

58 40.2 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.95

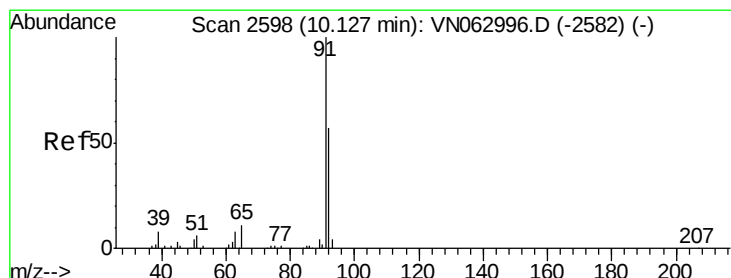
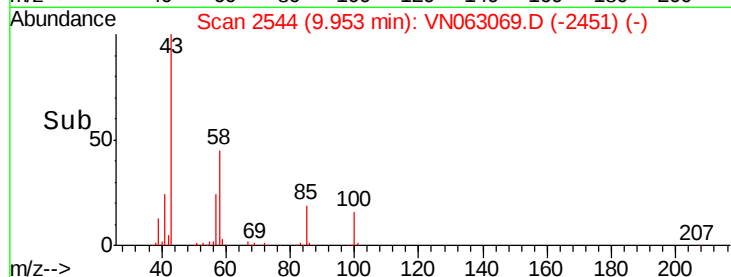
300000

200000

100000

0

Time--> 9.80 9.90 10.00



#52

Toluene

Concen: 51.763 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063069.D

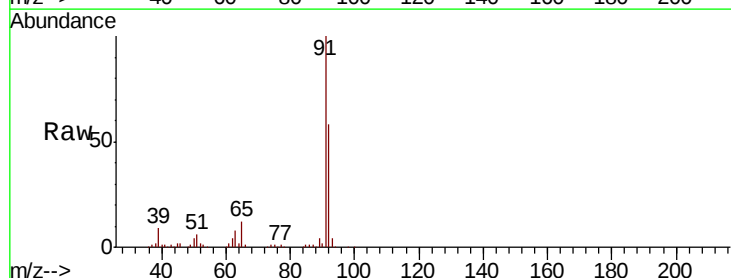
Acq: 21 Aug 2020 5:42

Tgt Ion: 92 Resp: 221301

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

250000

200000

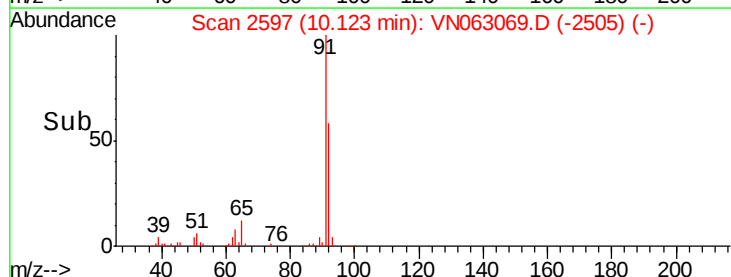
150000

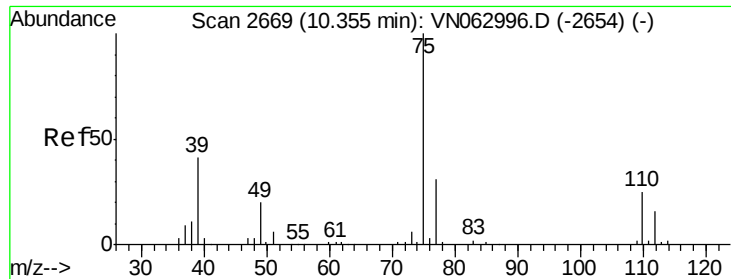
100000

50000

0

Time--> 10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 47.860 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

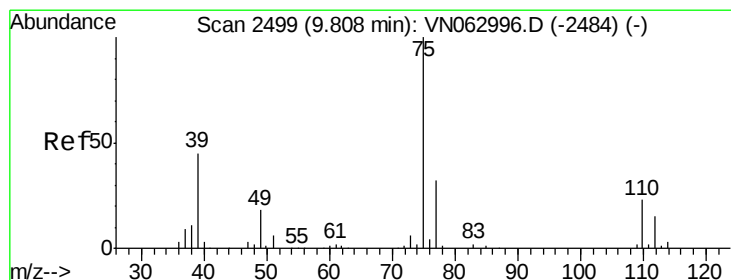
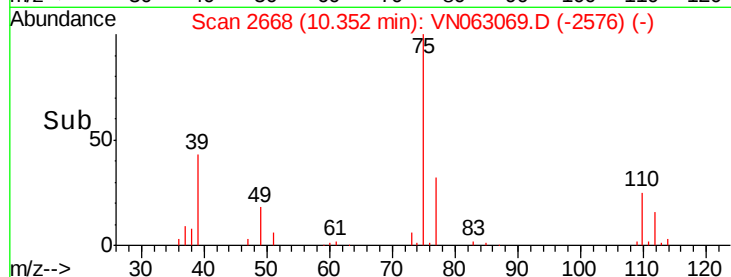
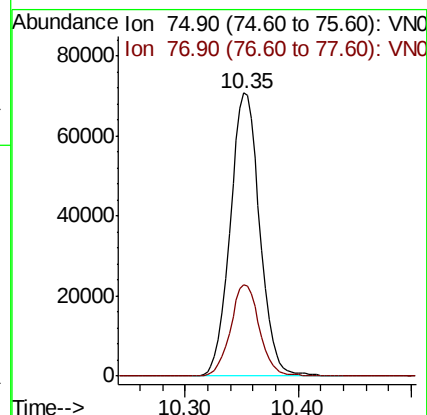
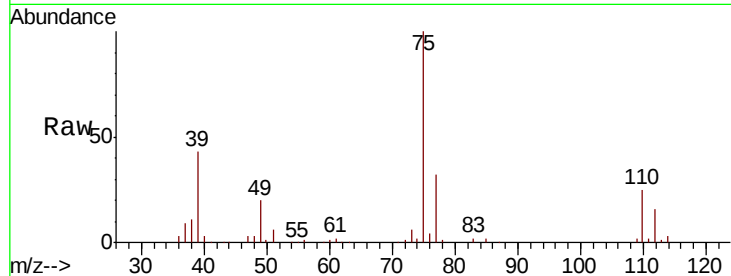
VSTDCCC050EC

Tot Ion: 75 Resp: 128291

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 48.190 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

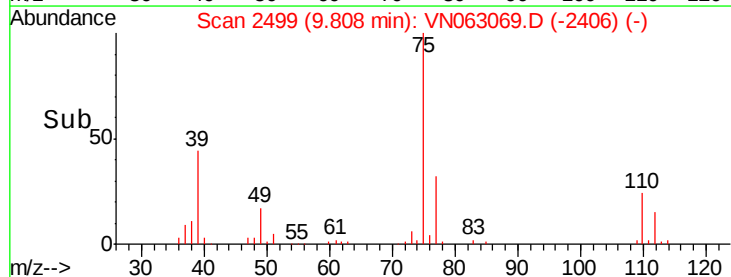
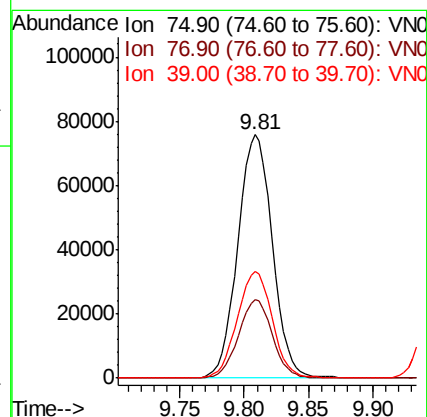
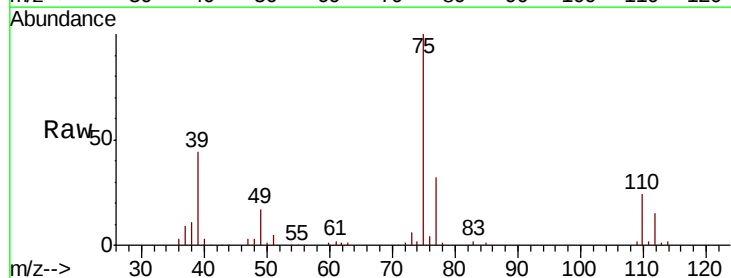
Tgt Ion: 75 Resp: 141705

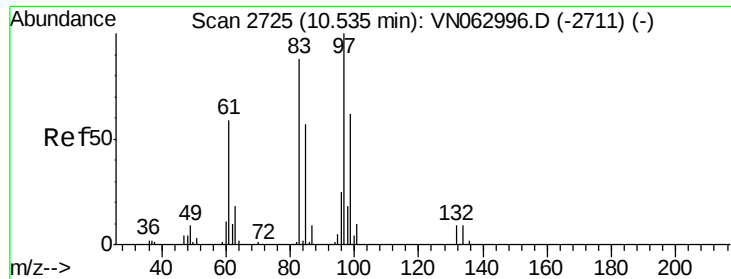
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

39 44.1 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 50.329 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 92005

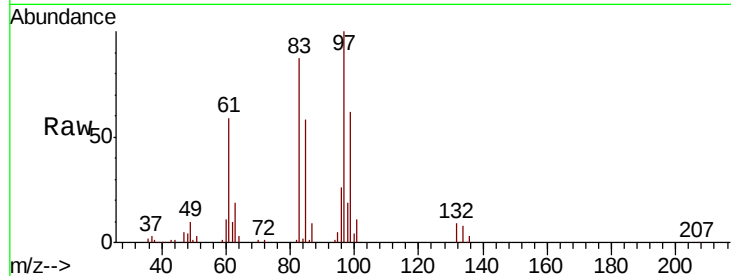
Ion Ratio Lower Upper

97 100

83 87.5 70.5 105.7

85 57.7 45.8 68.6

99 62.2 49.7 74.5



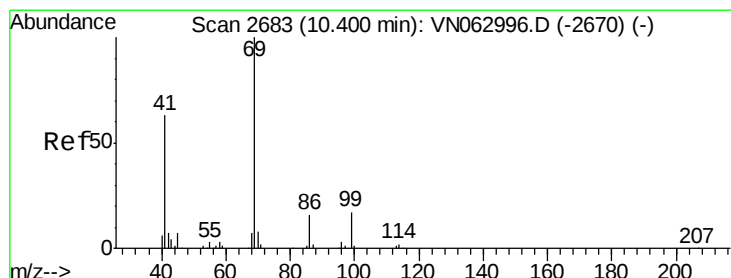
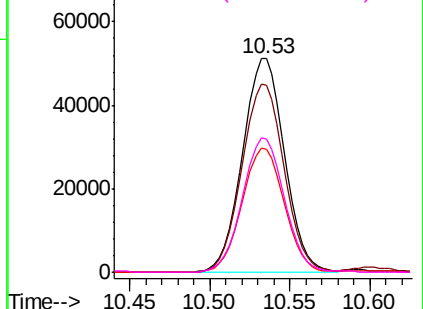
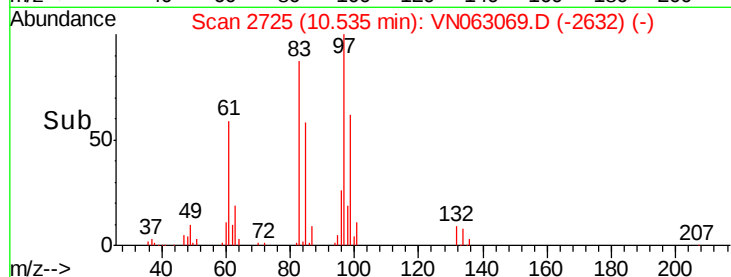
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 46.057 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

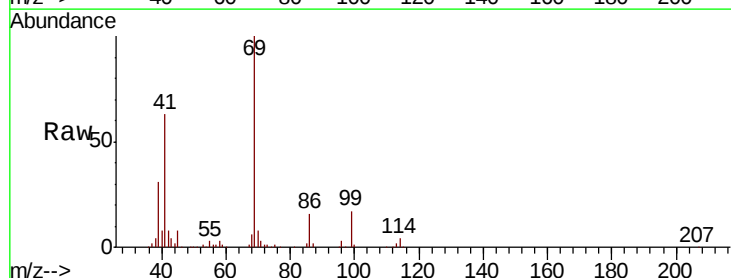
Tgt Ion: 69 Resp: 129636

Ion Ratio Lower Upper

69 100

41 63.3 50.2 75.2

39 31.4 24.2 36.4

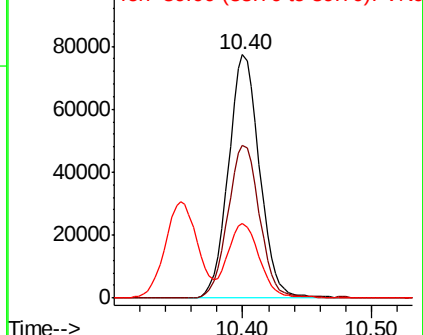
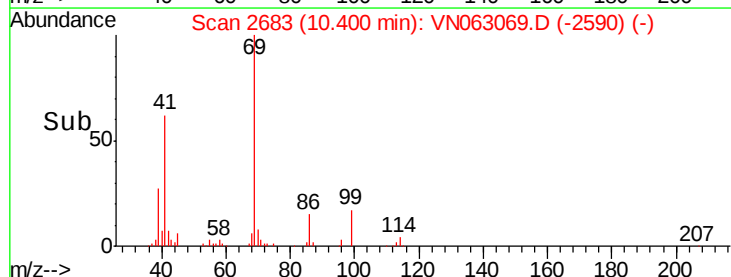


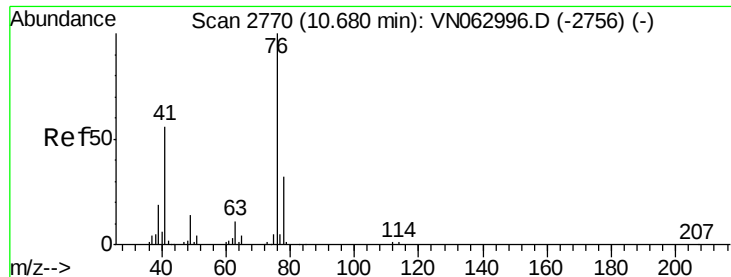
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.287 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

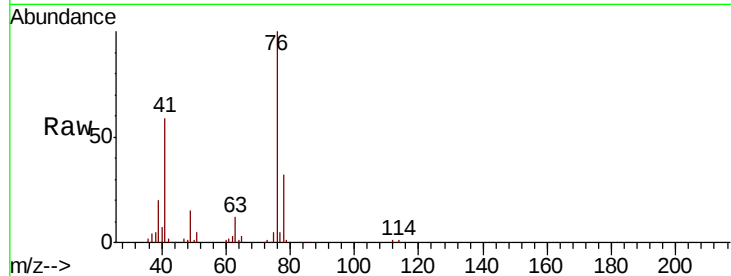
VSTDCCC050EC

Tot Ion: 76 Resp: 152651

Ion Ratio Lower Upper

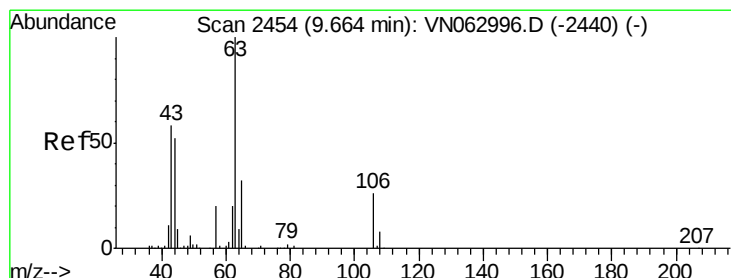
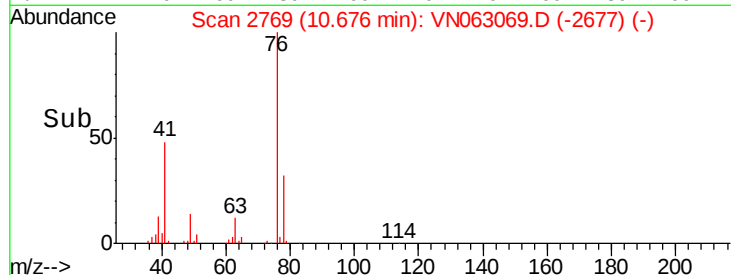
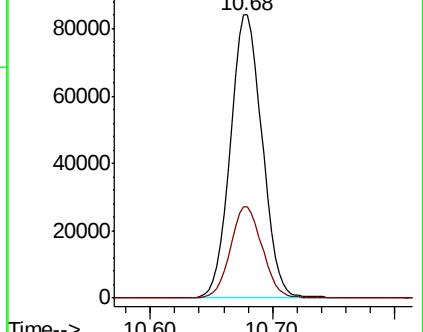
76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN062996.D (-2756) (-)

Ion 77.90 (77.60 to 78.60): VN062996.D (-2756) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 192.730 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063069.D

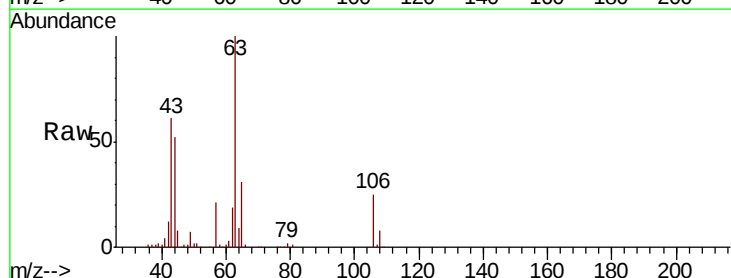
Acq: 21 Aug 2020 5:42

Tgt Ion: 63 Resp: 130276

Ion Ratio Lower Upper

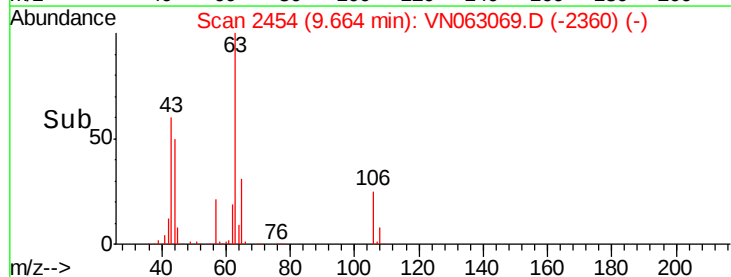
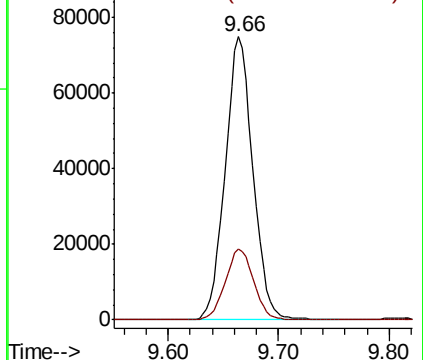
63 100

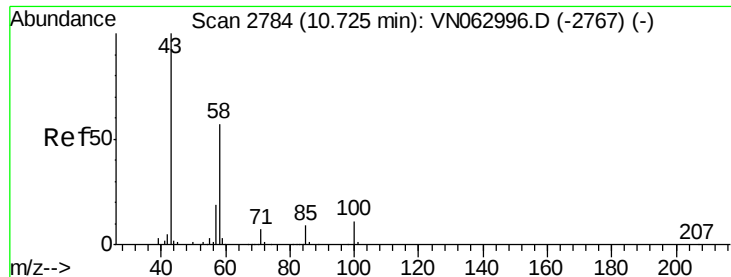
106 25.6 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-2440) (-)

Ion 105.90 (105.60 to 106.60): VN062996.D (-2440) (-)

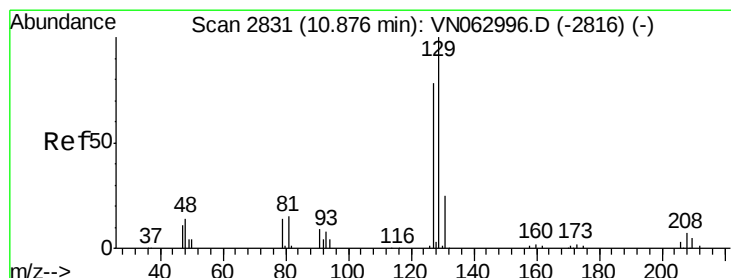
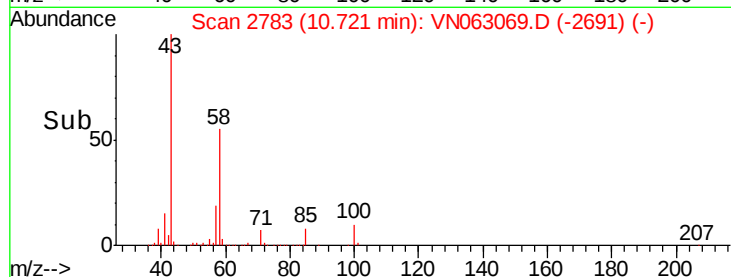
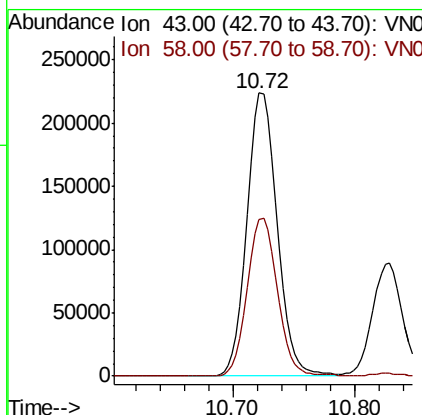
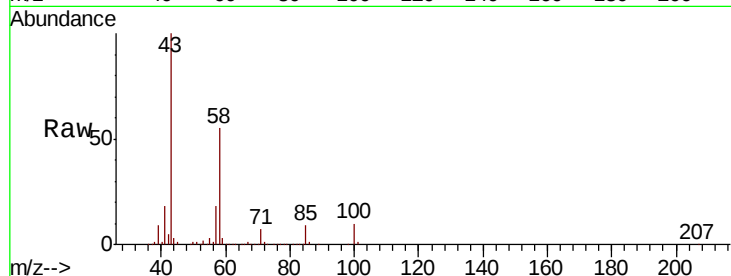




#59
2-Hexanone
Concen: 248.628 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

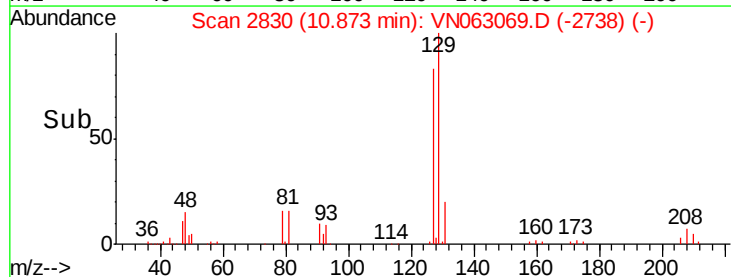
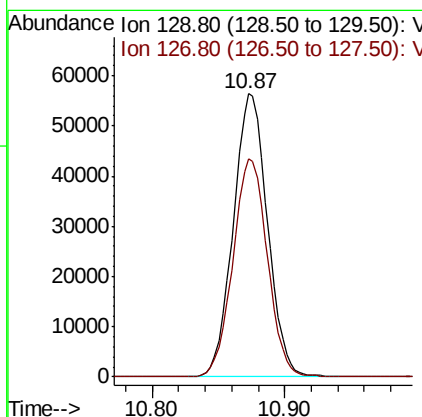
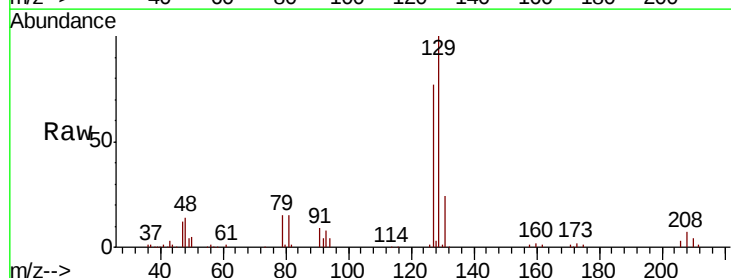
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

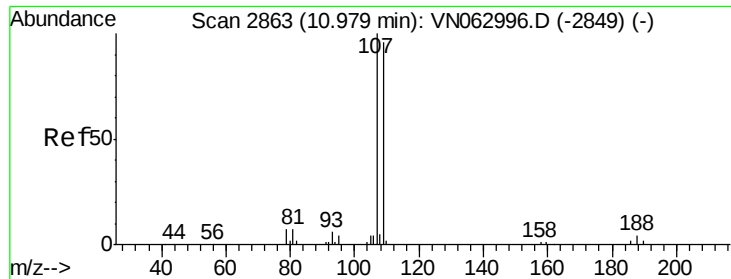
Tot Ion: 43 Resp: 380248
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3



#60
Dibromochloromethane
Concen: 50.007 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 129 Resp: 101167
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2

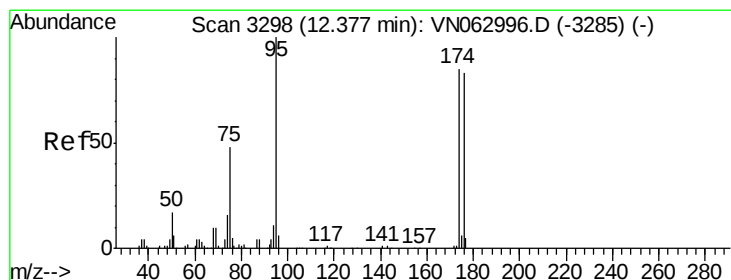
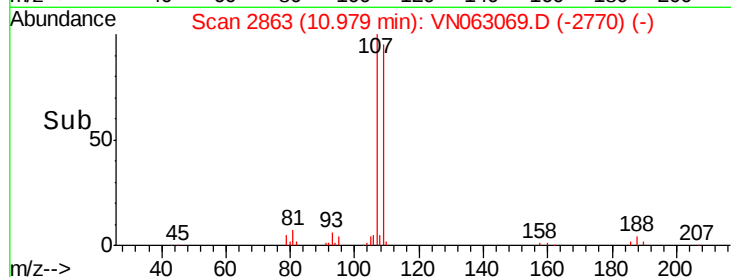
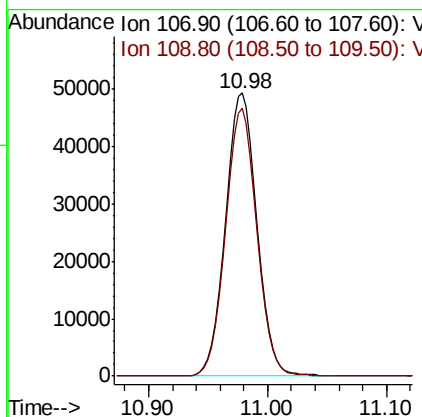
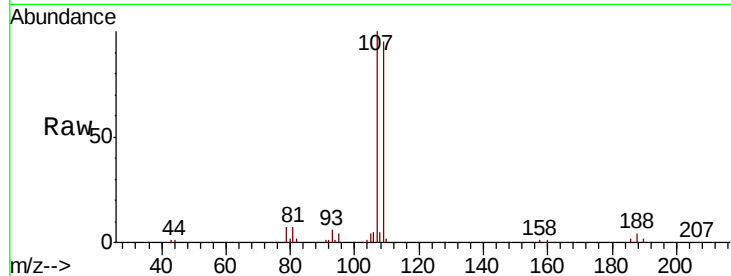




#61
 1,2-Dibromoethane
 Concen: 51.271 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

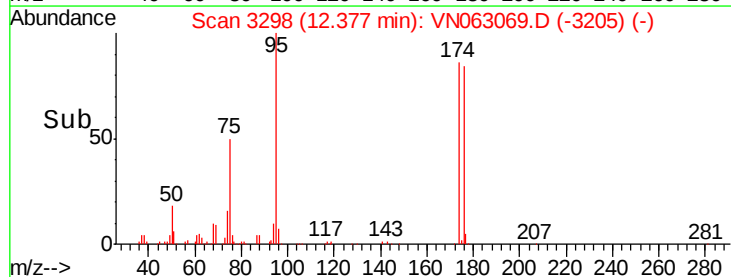
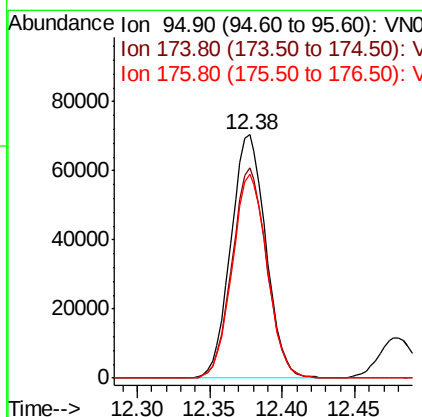
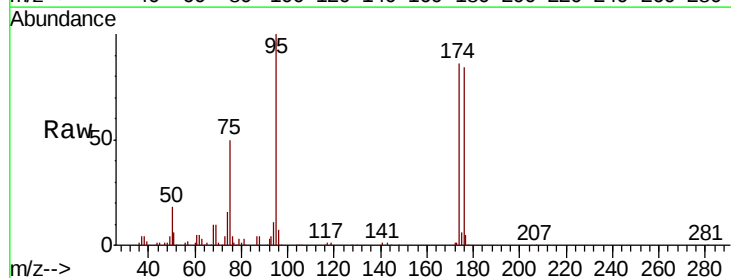
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

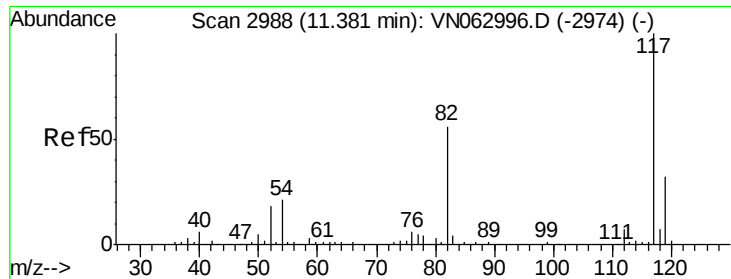
Tot Ion:107 Resp: 90059
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.751 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion: 95 Resp: 118136
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 170.8
 176 83.5 0.0 164.8

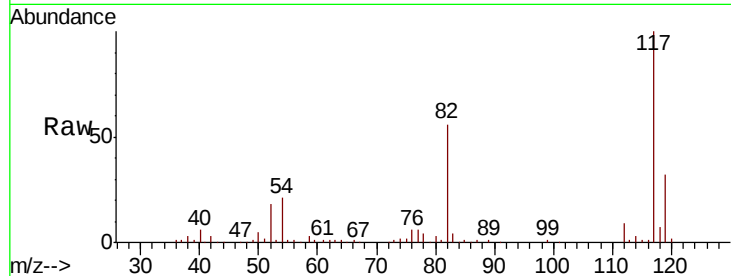




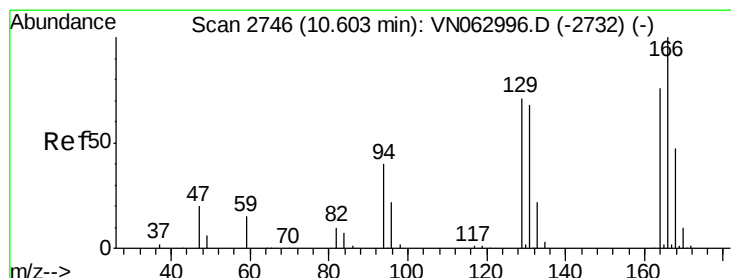
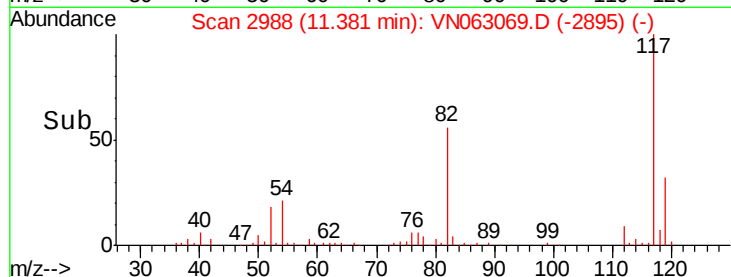
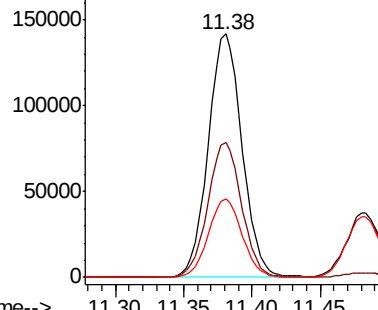
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 244232
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 32.1 25.5 38.3

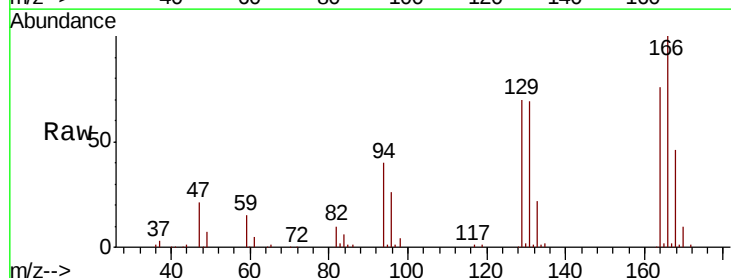


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

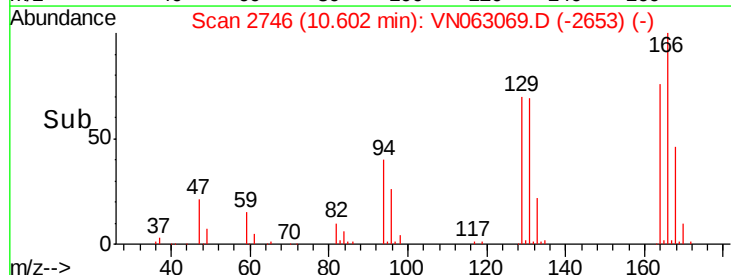
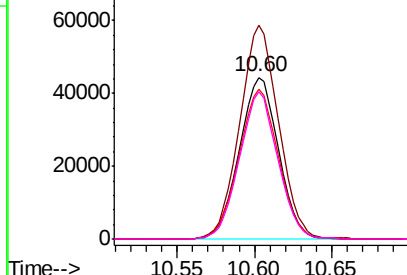


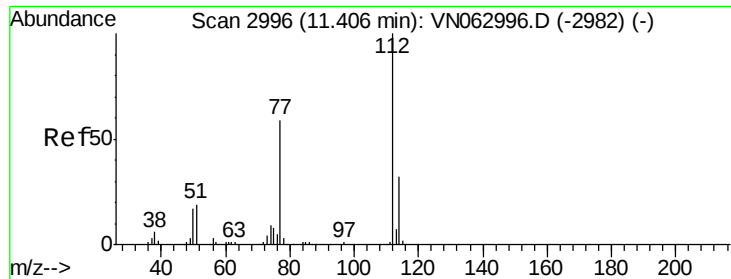
#64
Tetrachloroethene
Concen: 48.717 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion:164 Resp: 78212
Ion Ratio Lower Upper
164 100
166 132.2 105.0 157.6
129 92.4 74.7 112.1
131 90.9 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

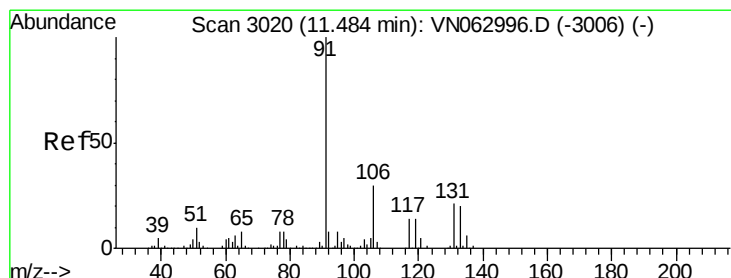
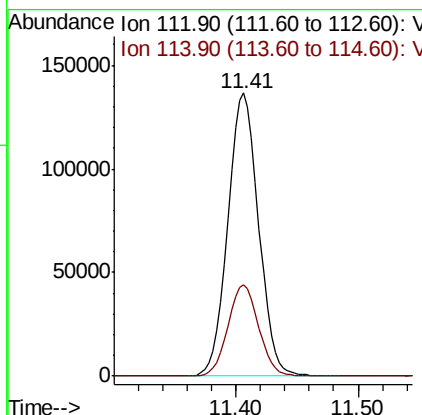
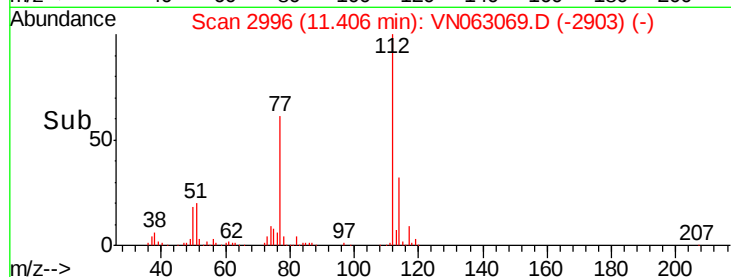
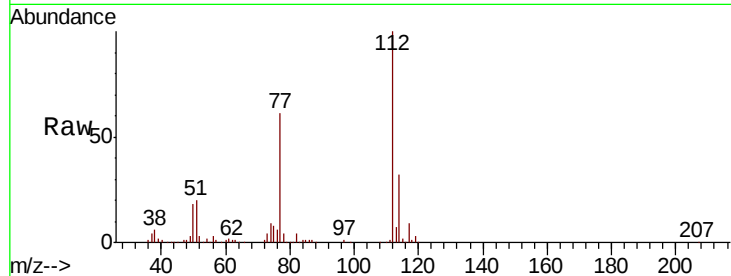




#65
Chlorobenzene
Concen: 48.919 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

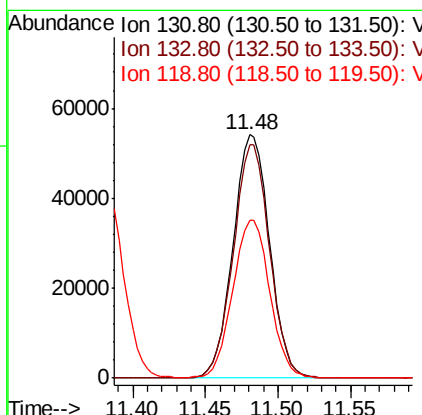
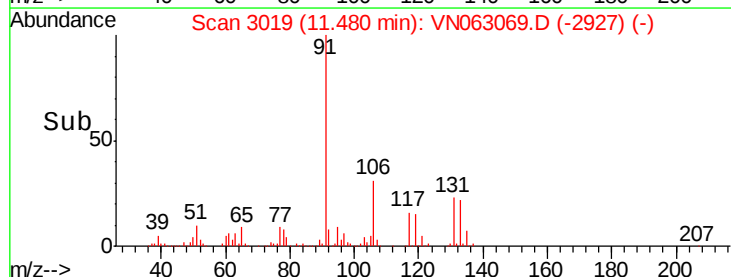
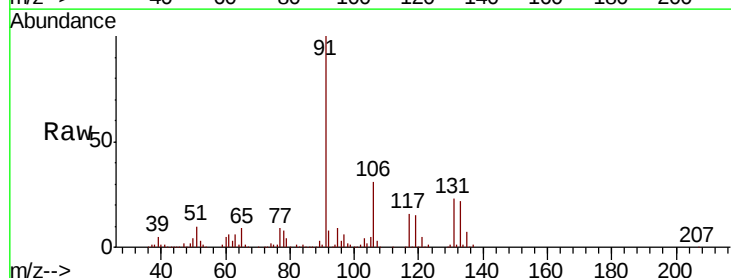
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

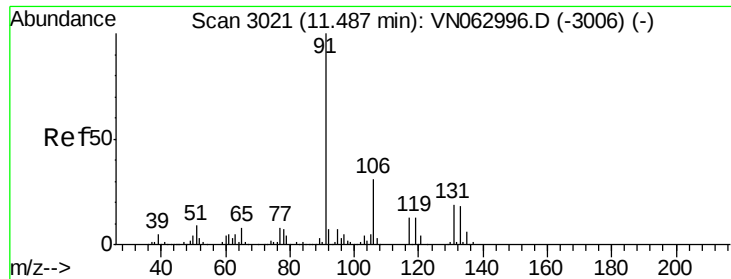
Tot Ion:112 Resp: 239950
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.638 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion:131 Resp: 94703
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.0 33.1 99.3

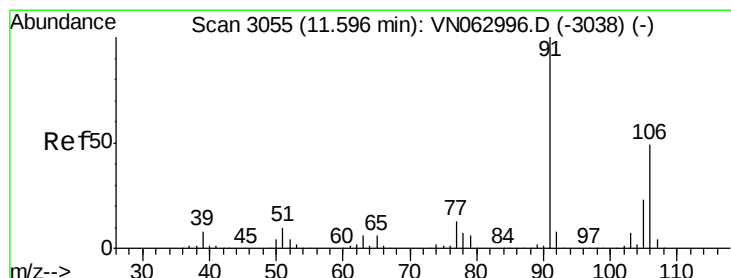
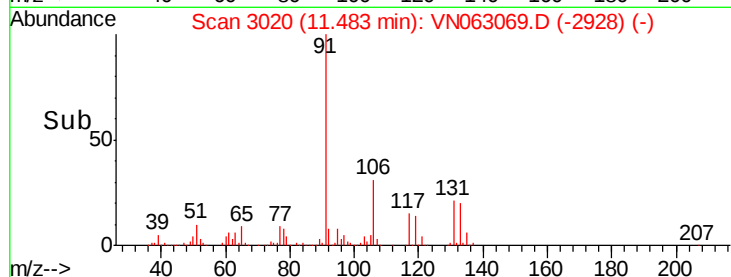
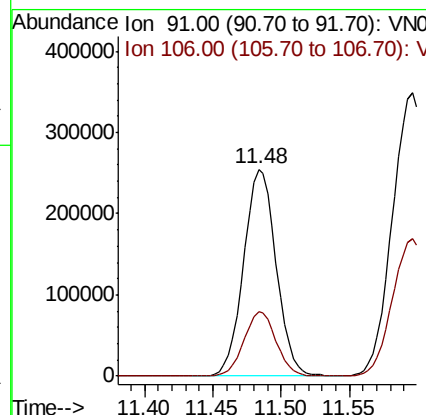
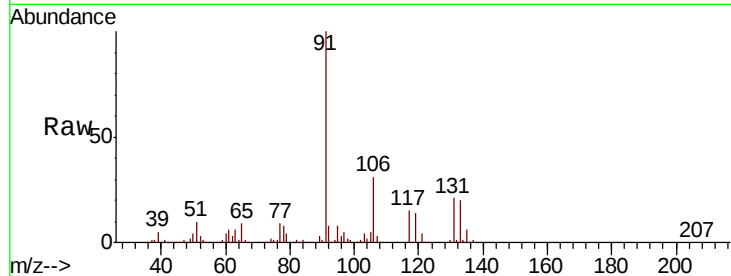




#67
Ethyl Benzene
Concen: 50.998 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

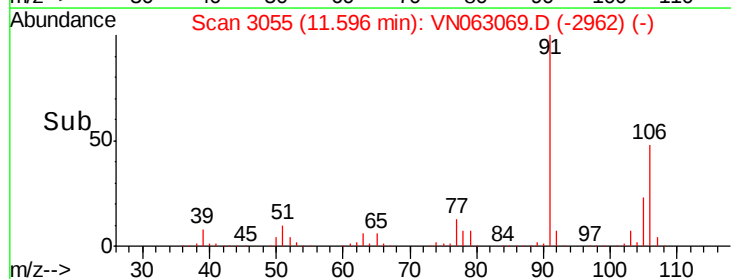
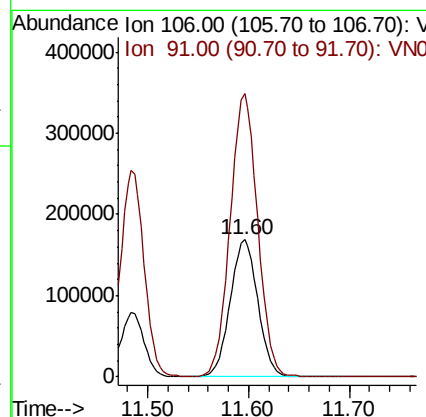
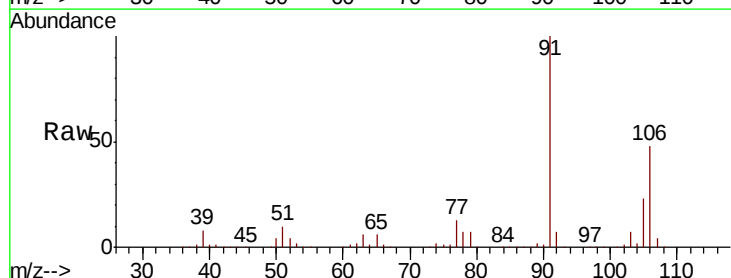
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

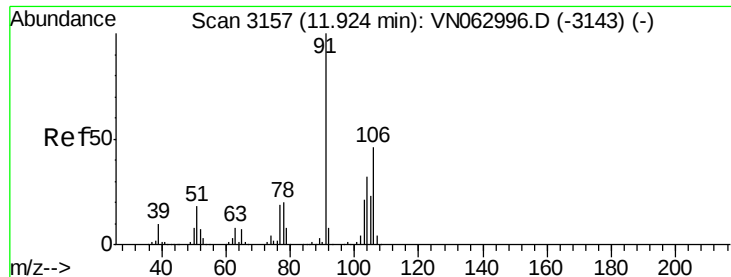
Tot Ion: 91 Resp: 422676
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0



#68
m/p-Xylenes
Concen: 104.928 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 106 Resp: 323225
Ion Ratio Lower Upper
106 100
91 205.6 163.0 244.4

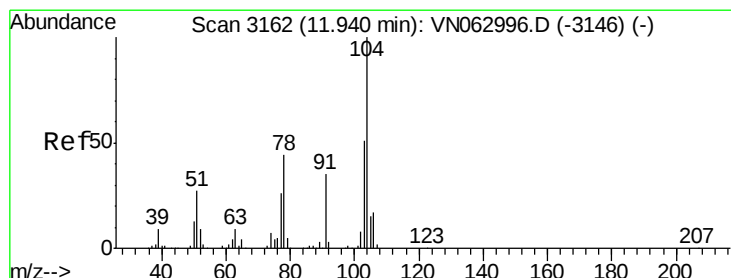
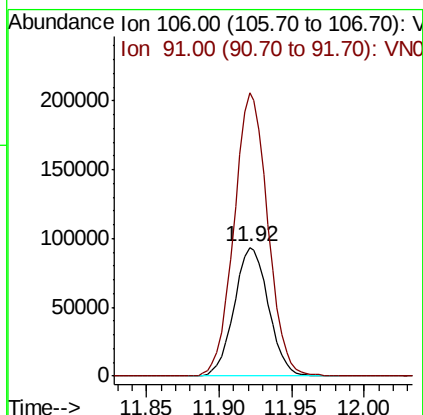
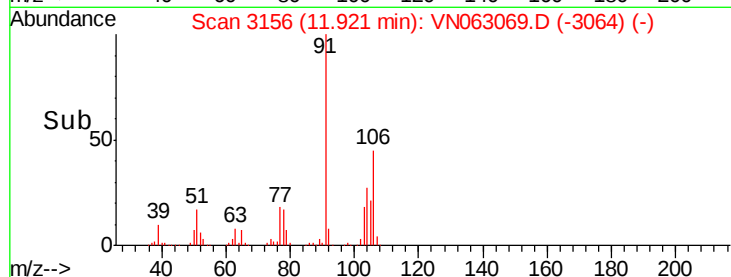
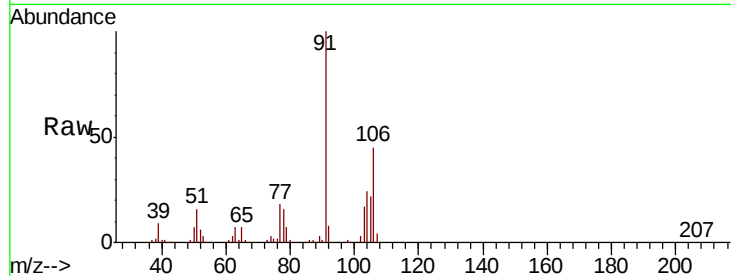




#69
o-Xylene
Concen: 51.778 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

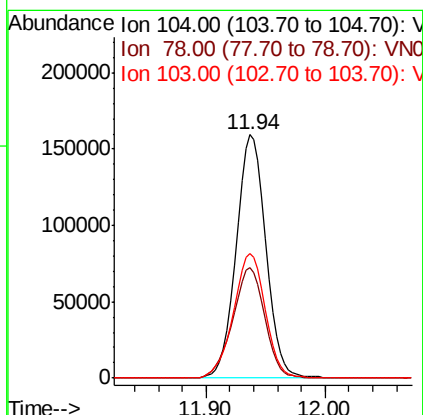
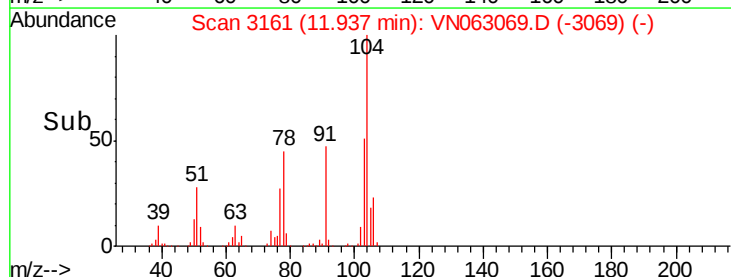
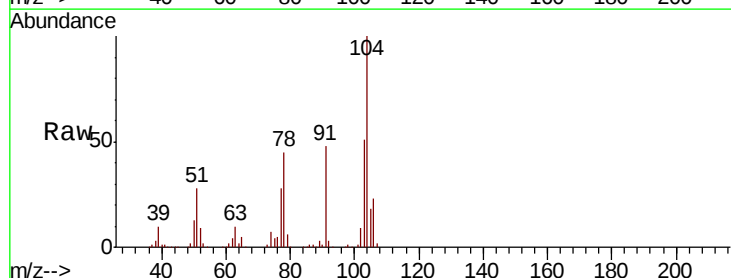
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

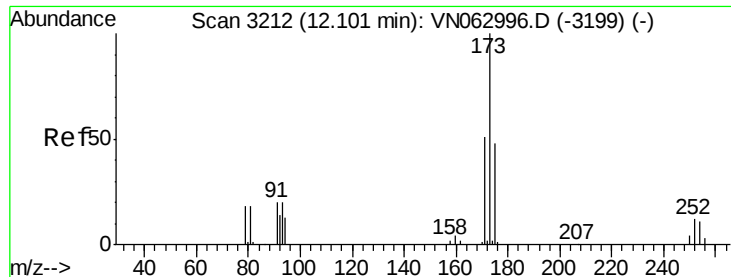
Tot Ion:106 Resp: 153164
Ion Ratio Lower Upper
106 100
91 217.1 107.3 321.9



#70
Styrene
Concen: 47.129 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion:104 Resp: 275984
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.6
103 54.8 44.3 66.5





#71

Bromoform

Concen: 49.708 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

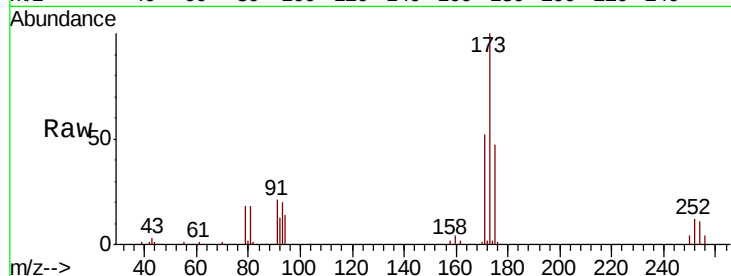
Tot Ion:173 Resp: 75486

Ion Ratio Lower Upper

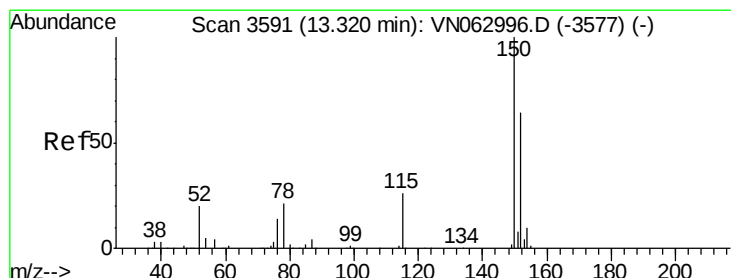
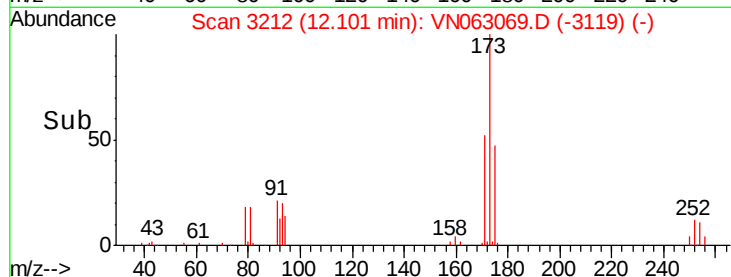
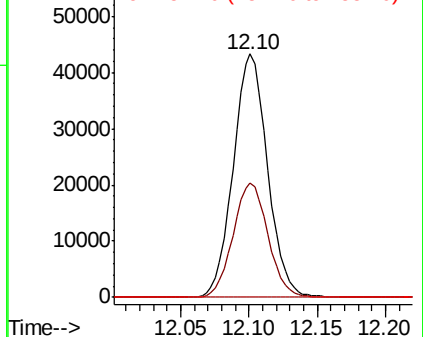
173 100

175 47.7 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: VN063069.D

Acq: 21 Aug 2020 5:42

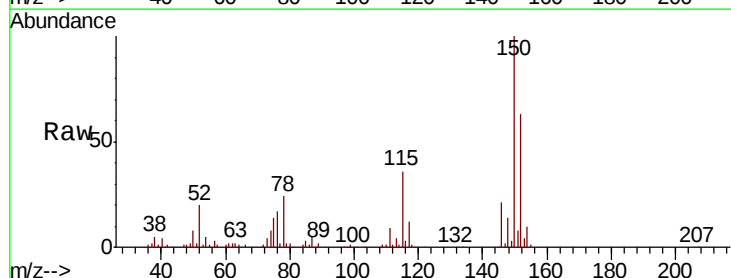
Tgt Ion:152 Resp: 121533

Ion Ratio Lower Upper

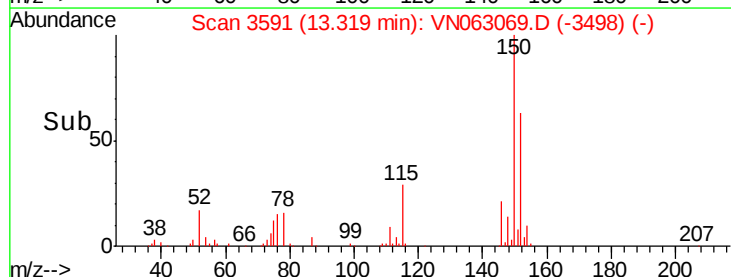
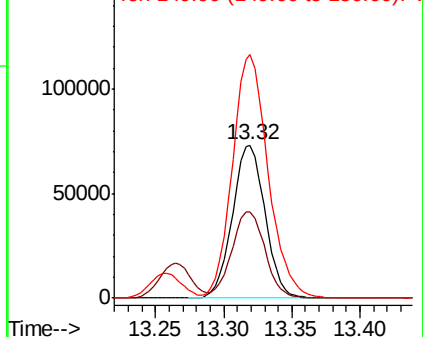
152 100

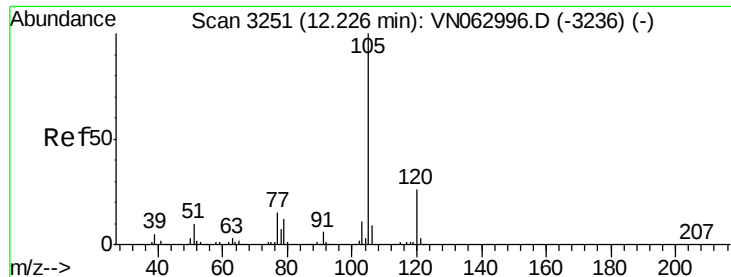
115 58.1 28.7 86.3

150 173.0 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: 50.236 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

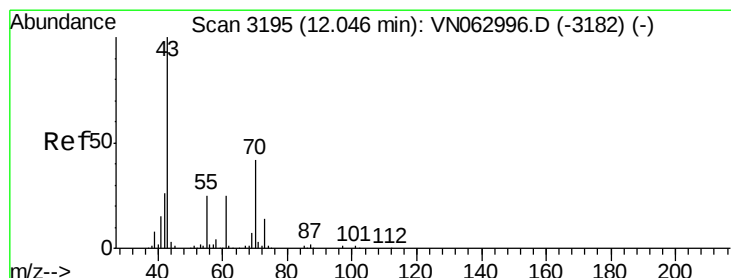
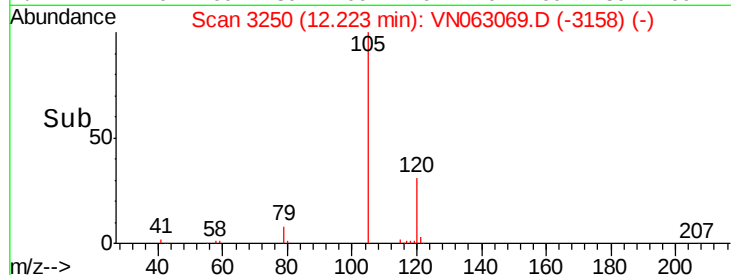
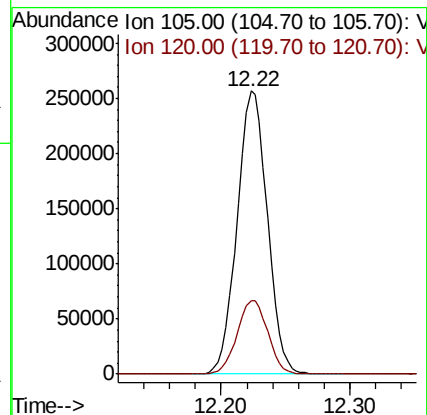
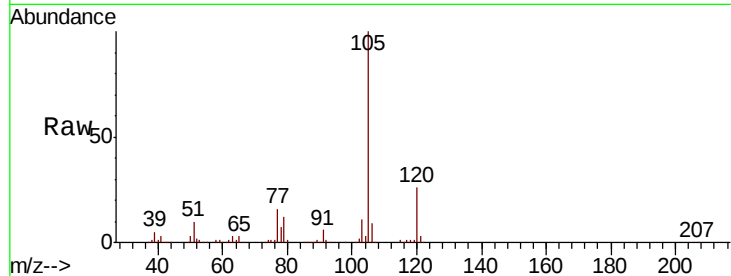
VSTDCCC050EC

Tot Ion:105 Resp: 418097

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 49.792 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Tgt Ion: 43 Resp: 148418

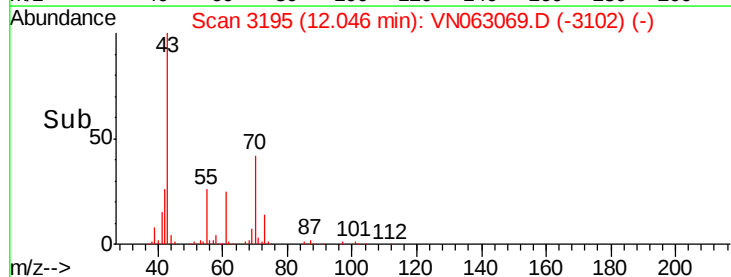
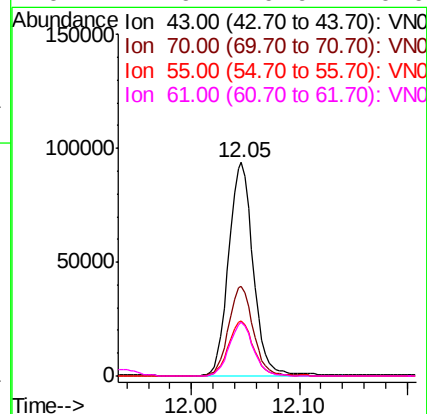
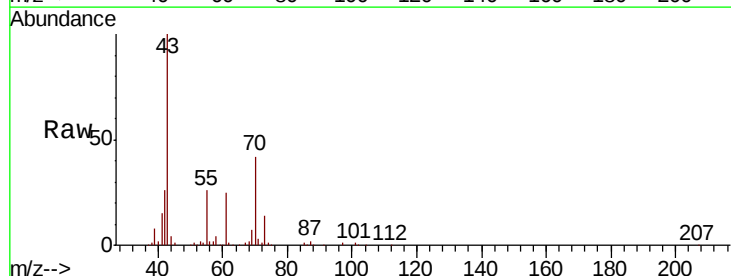
Ion Ratio Lower Upper

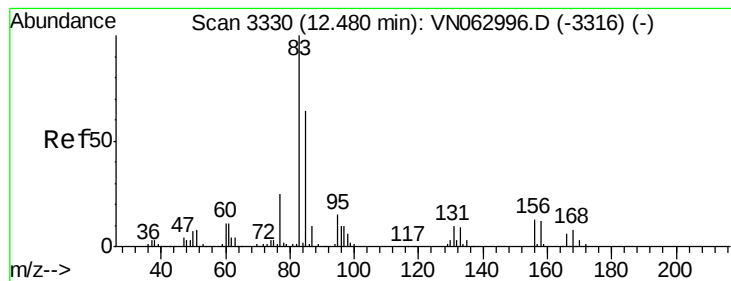
43 100

70 42.4 33.4 50.0

55 26.4 20.2 30.2

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.587 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

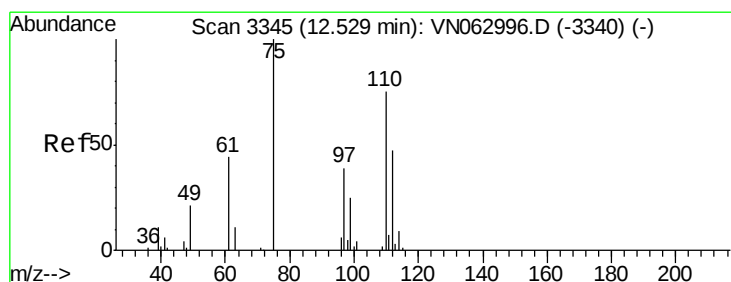
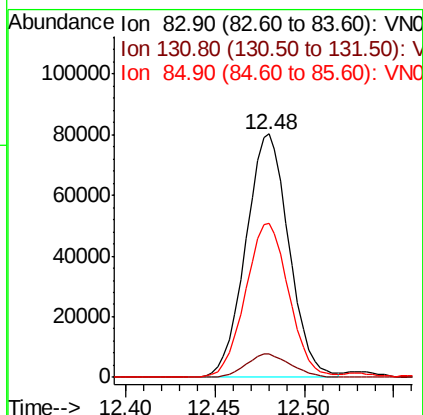
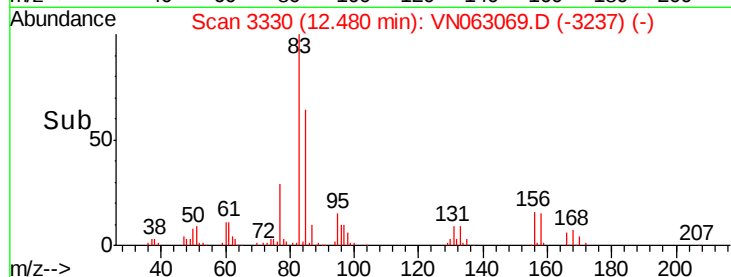
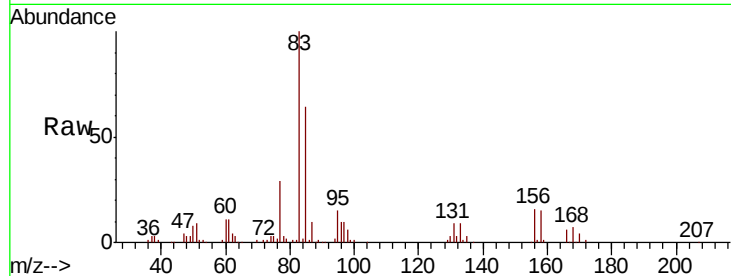
Tot Ion: 83 Resp: 135805

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 63.5 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 67.669 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063069.D

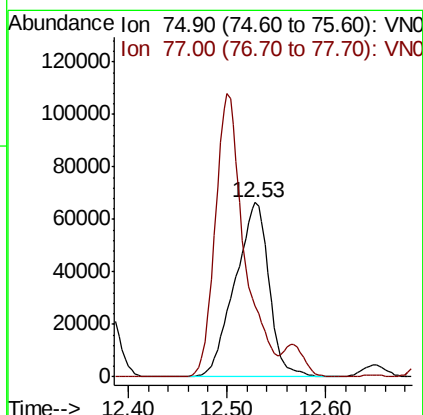
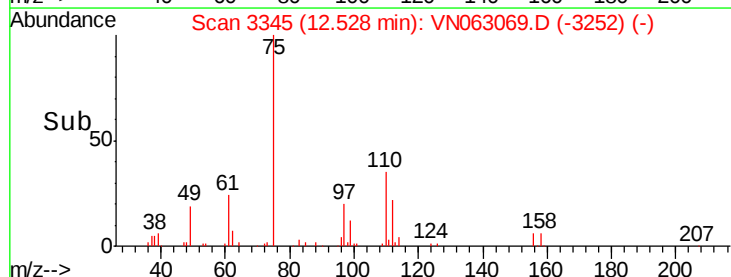
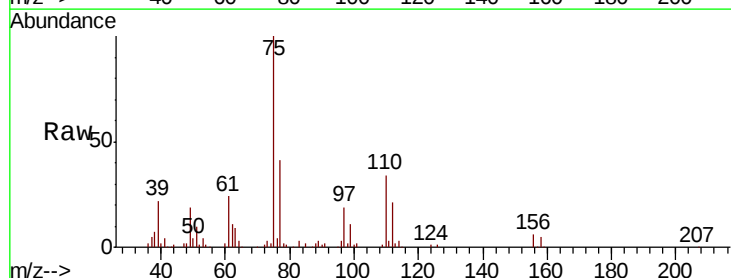
Acq: 21 Aug 2020 5:42

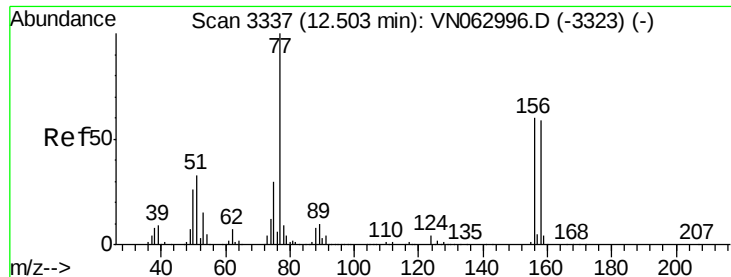
Tgt Ion: 75 Resp: 159857

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.755 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

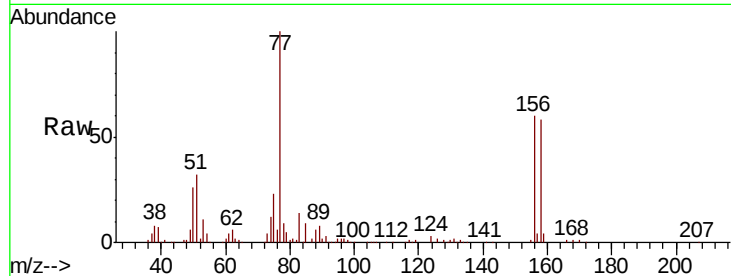
Tot Ion:156 Resp: 111598

Ion Ratio Lower Upper

156 100

77 199.1 101.0 302.9

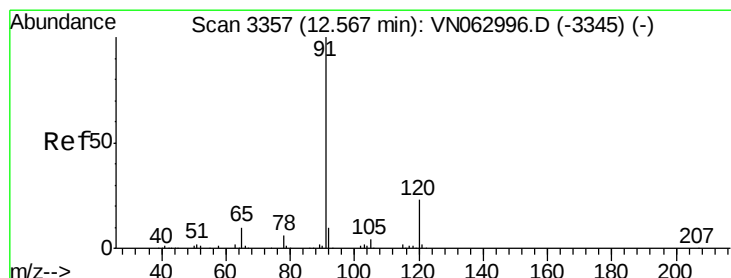
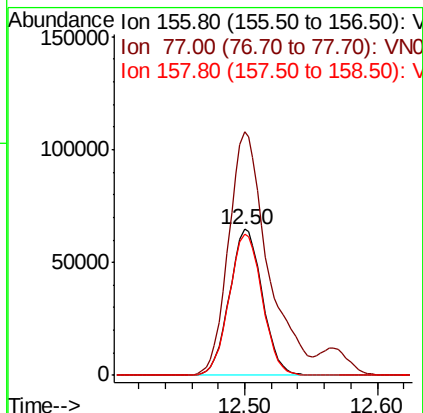
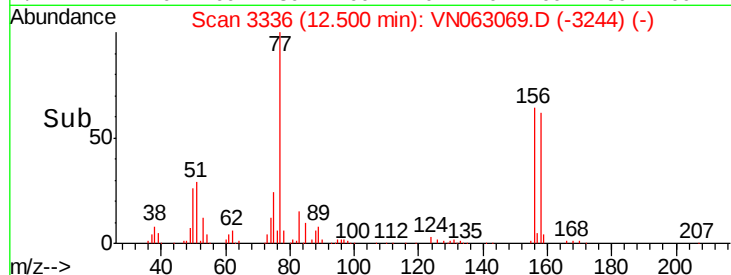
158 96.9 49.4 148.0



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: 52.047 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063069.D

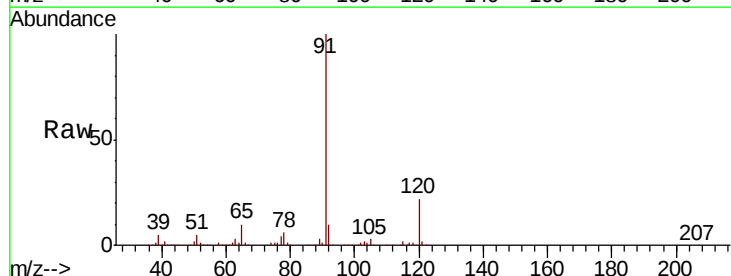
Acq: 21 Aug 2020 5:42

Tgt Ion: 91 Resp: 493733

Ion Ratio Lower Upper

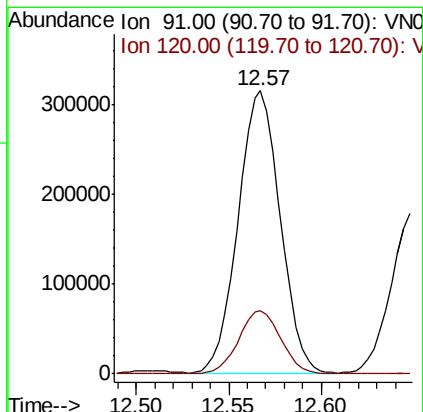
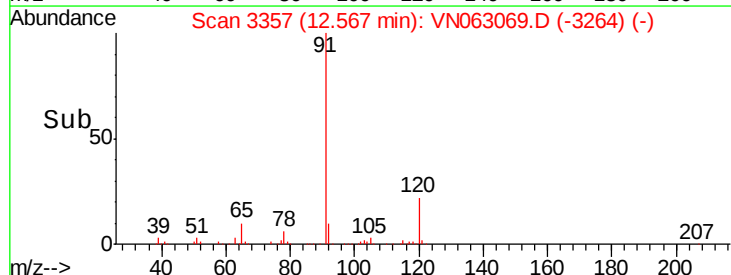
91 100

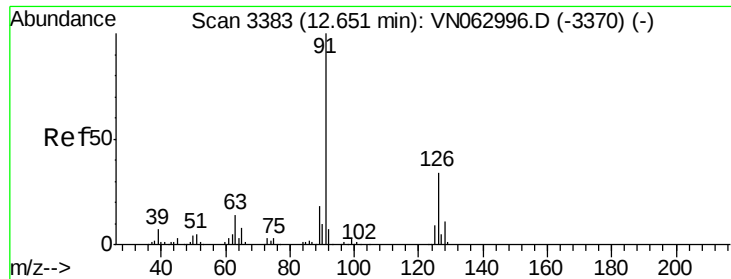
120 22.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

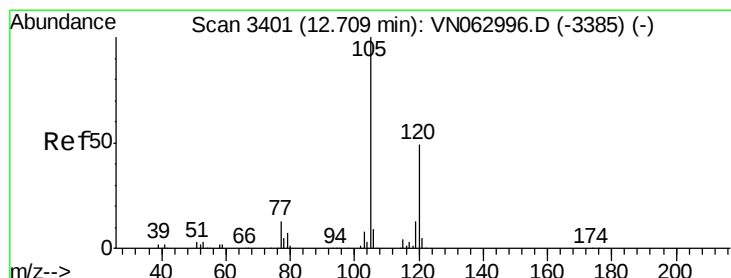
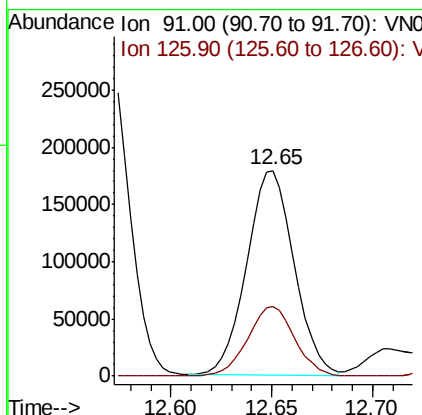
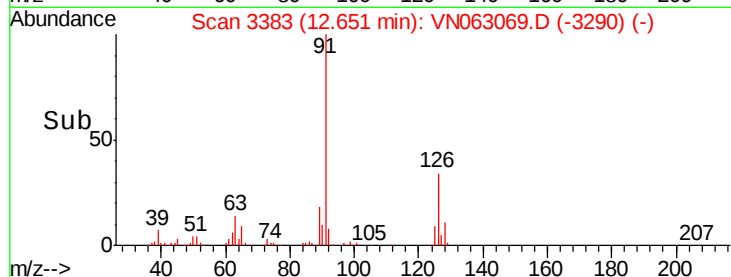
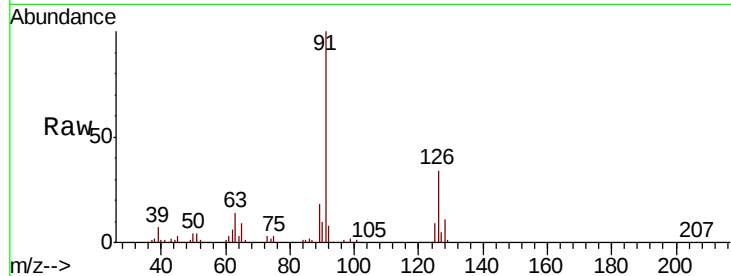




#79
 2-Chlorotoluene
 Concen: 49.220 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

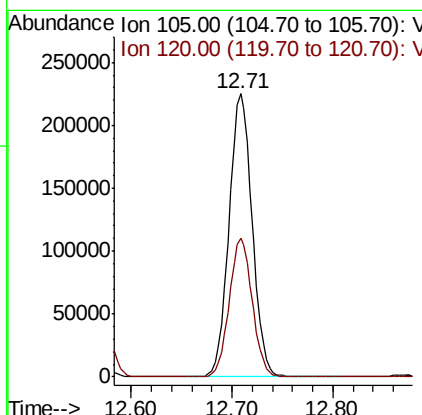
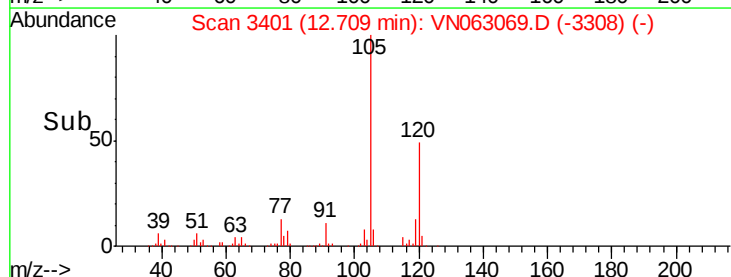
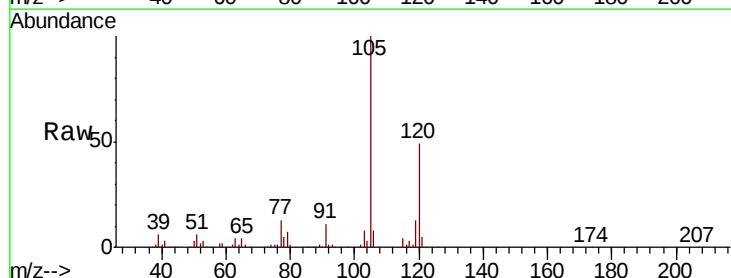
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

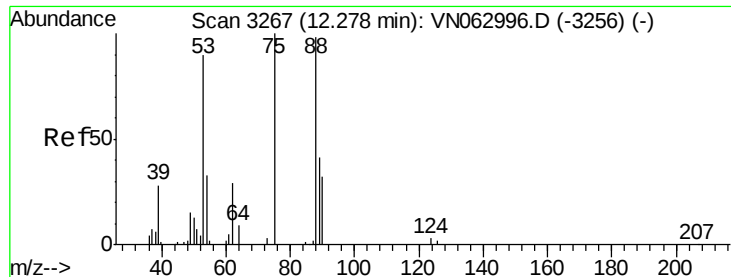
Tot Ion: 91 Resp: 293685
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 52.380 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion: 105 Resp: 360368
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.614 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

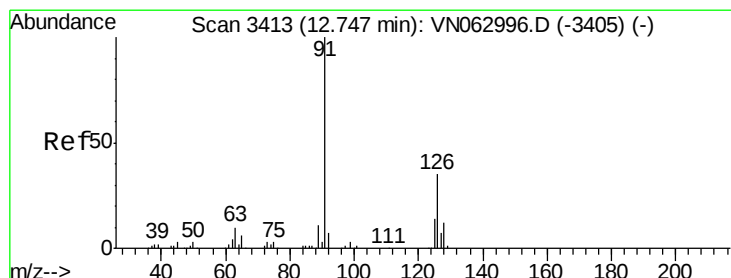
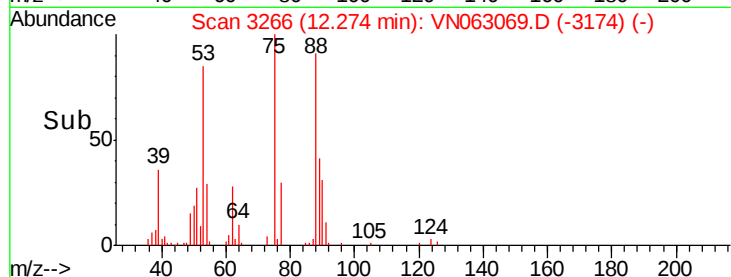
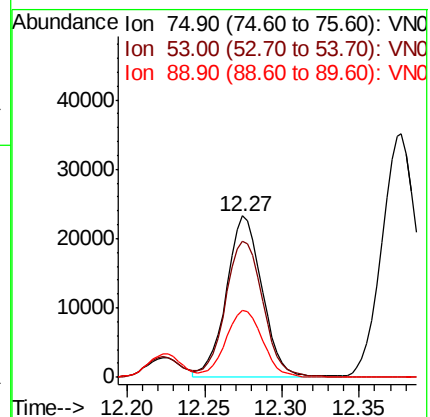
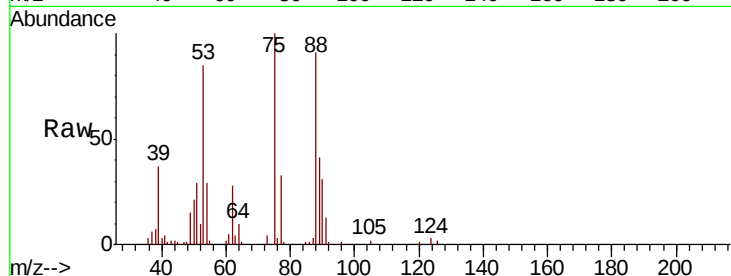
Tot Ion: 75 Resp: 37514

Ion Ratio Lower Upper

75 100

53 88.2 69.2 103.8

89 42.5 34.2 51.4



#82

4-Chlorotoluene

Concen: 50.300 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN063069.D

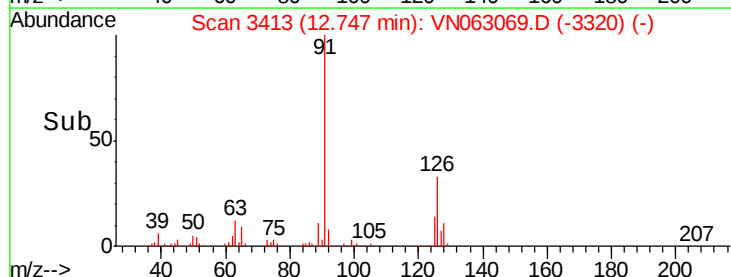
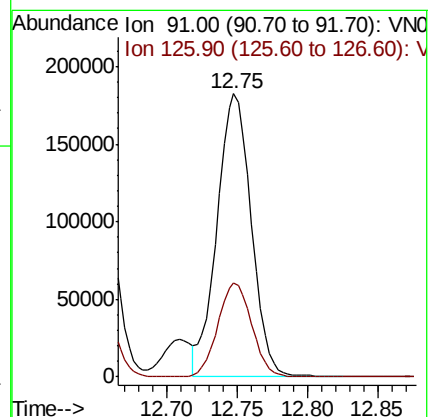
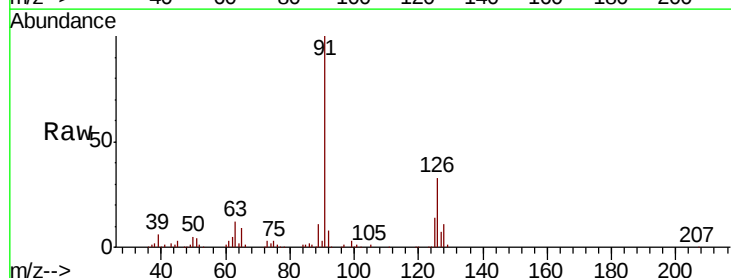
Acq: 21 Aug 2020 5:42

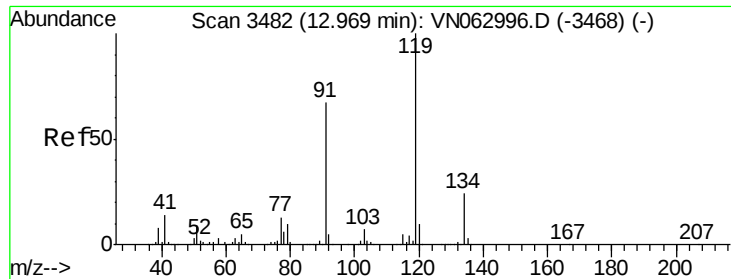
Tgt Ion: 91 Resp: 305611

Ion Ratio Lower Upper

91 100

126 33.2 16.5 49.5

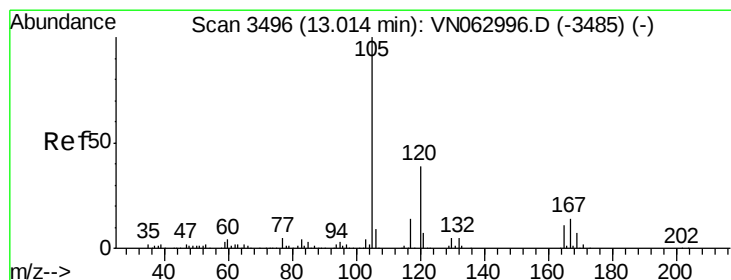
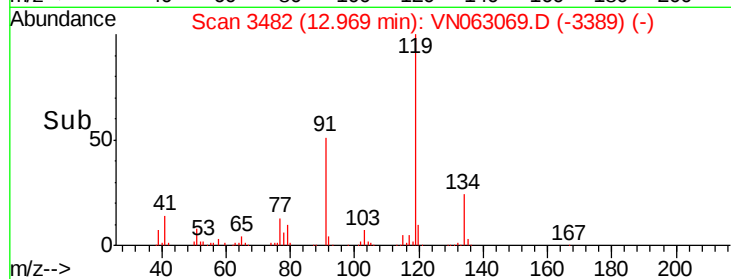
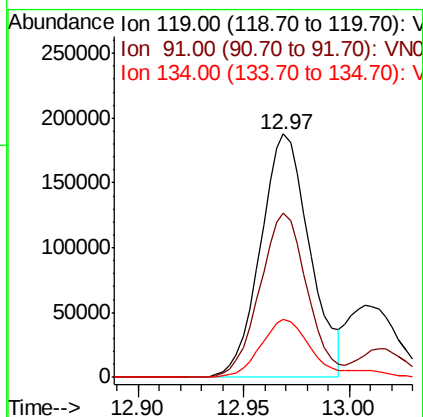
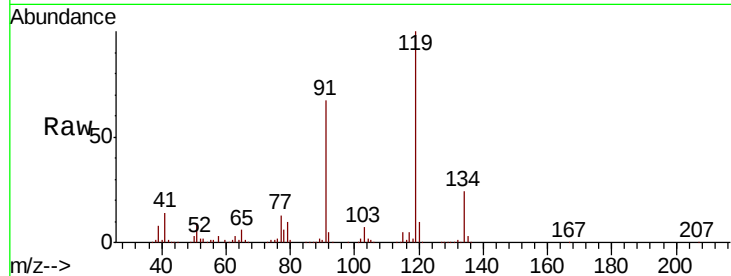




#83
 tert-Butylbenzene
 Concen: 51.370 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

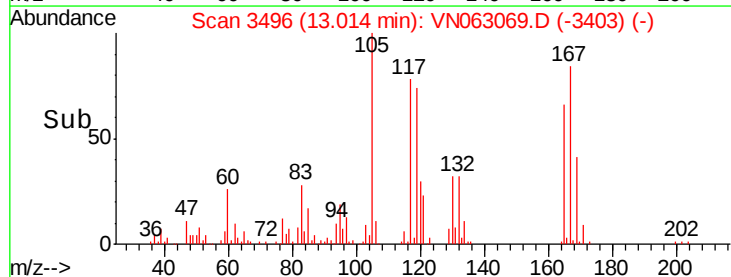
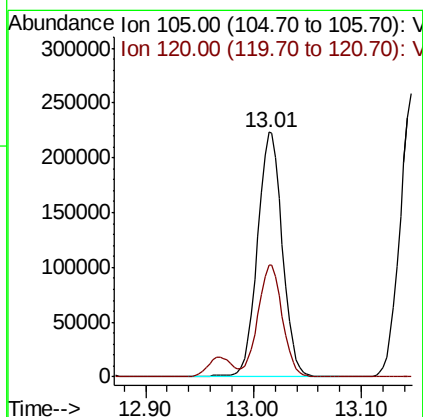
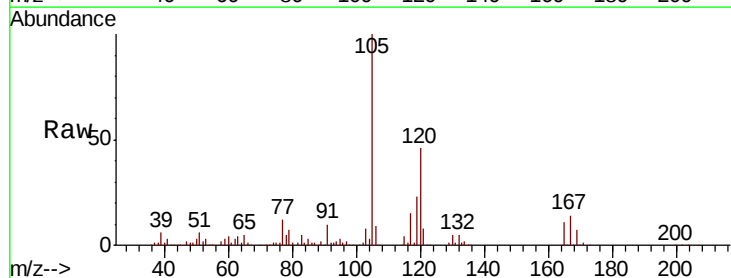
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

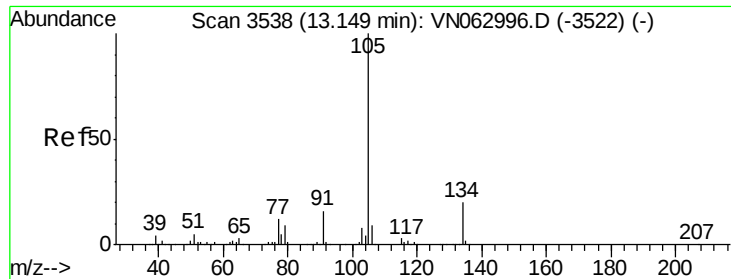
Tot Ion:119 Resp: 305041
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.5 97.4
 134 25.6 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.255 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion:105 Resp: 356937
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 50.933 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

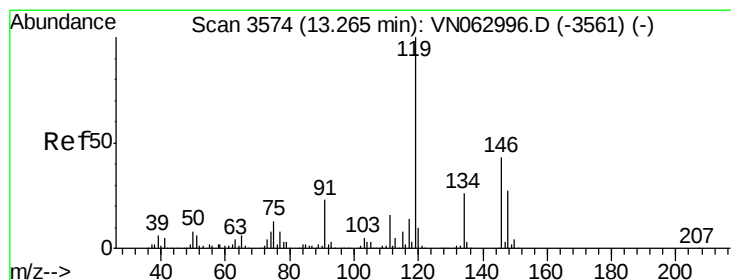
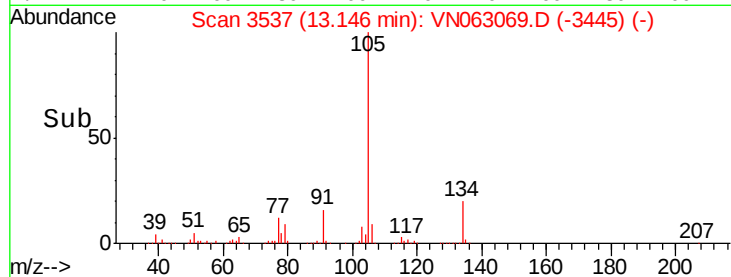
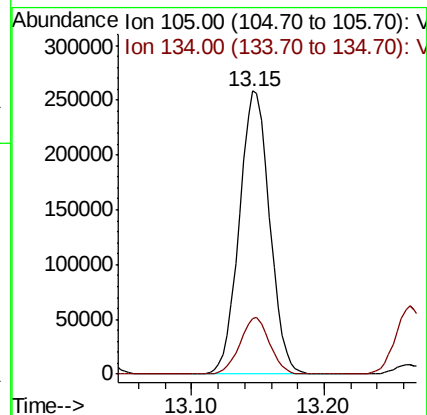
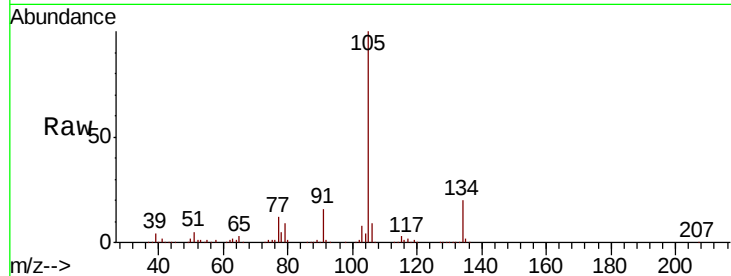
VSTDCCC050EC

Tot Ion:105 Resp: 408743

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#86

p-Isopropyltoluene

Concen: 50.913 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

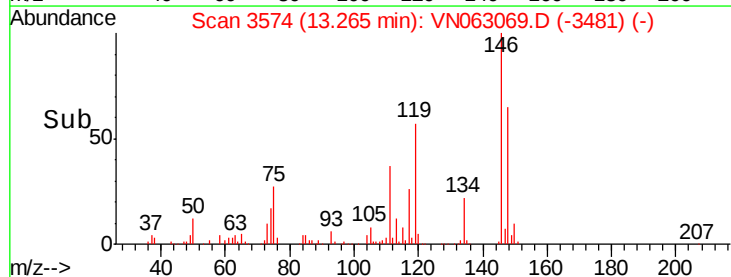
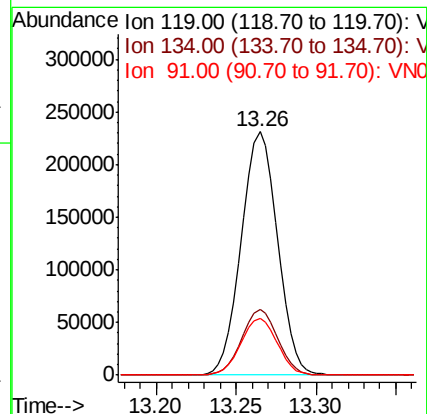
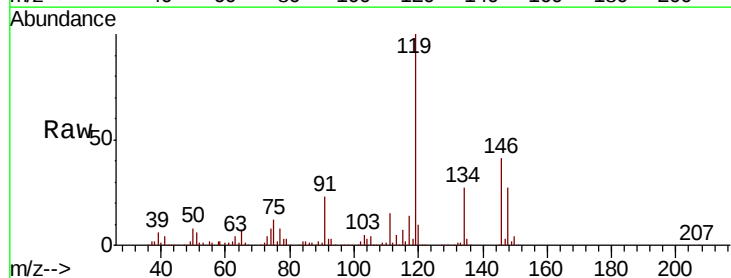
Tgt Ion:119 Resp: 356013

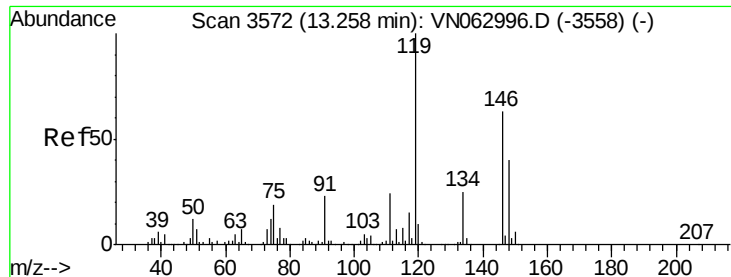
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 23.6 11.5 34.4

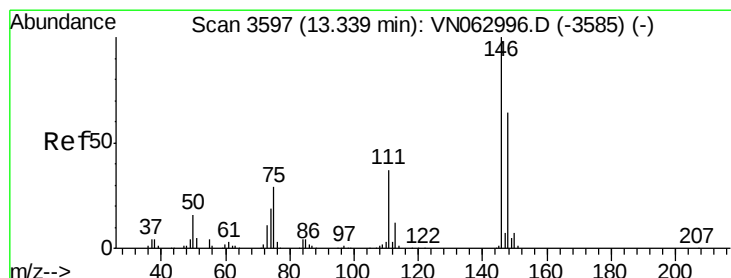
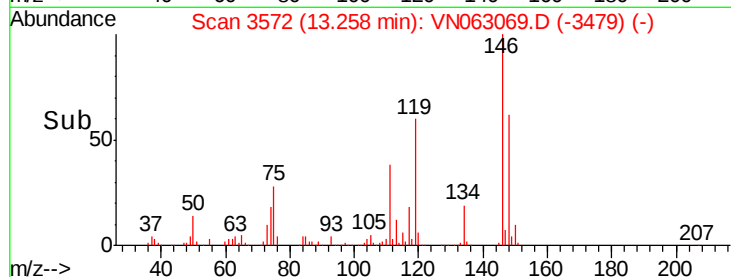
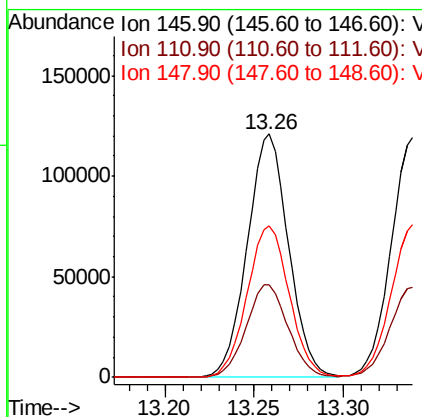
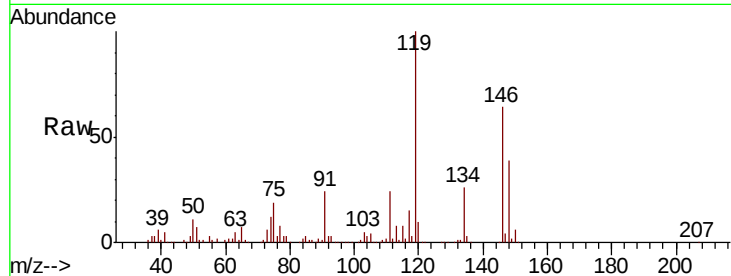




#87
 1,3-Dichlorobenzene
 Concen: 49.679 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

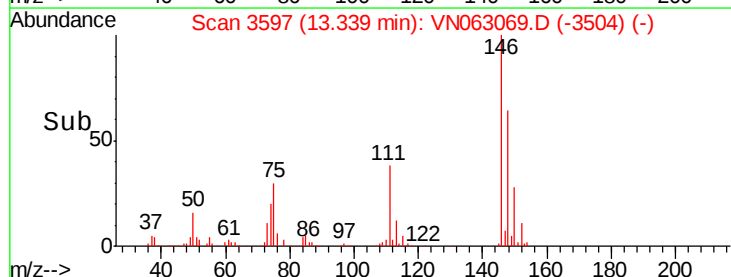
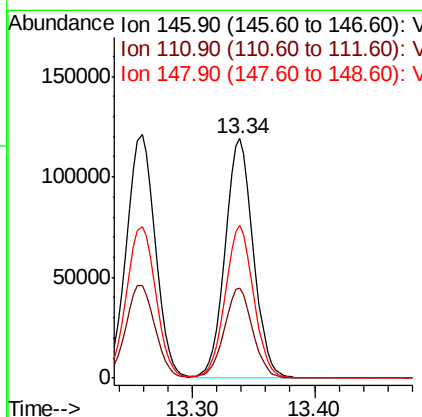
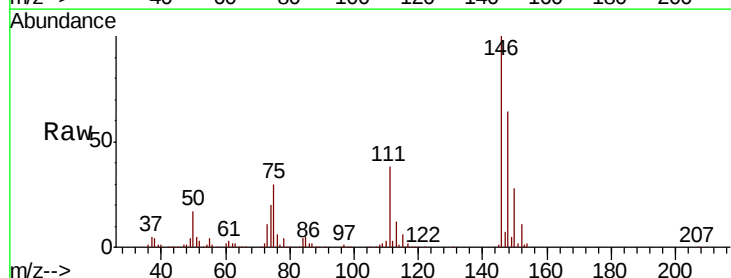
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

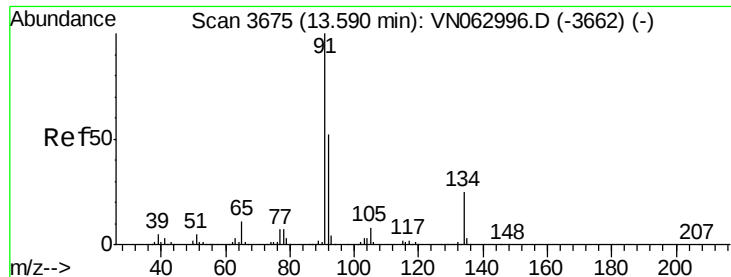
Tot Ion:146 Resp: 195425
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion:146 Resp: 192507
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 64.6 32.4 97.0

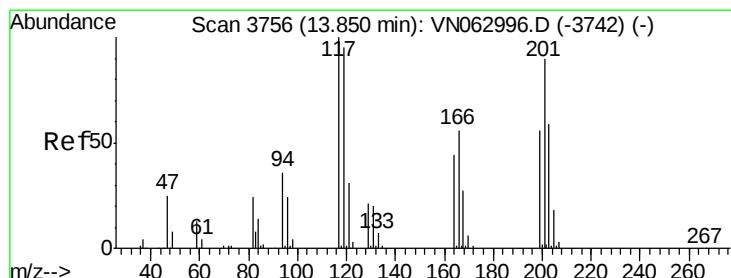
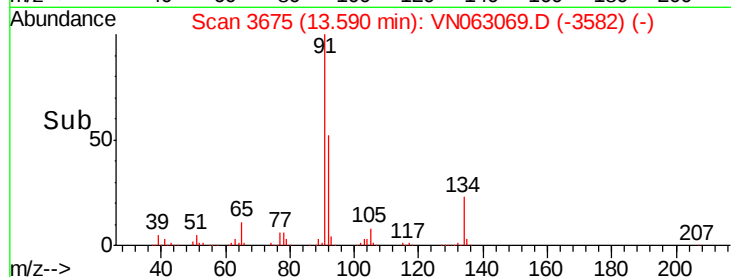
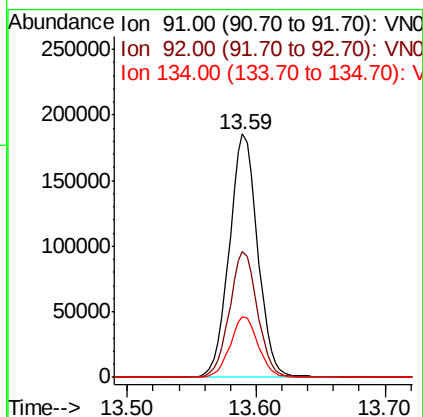
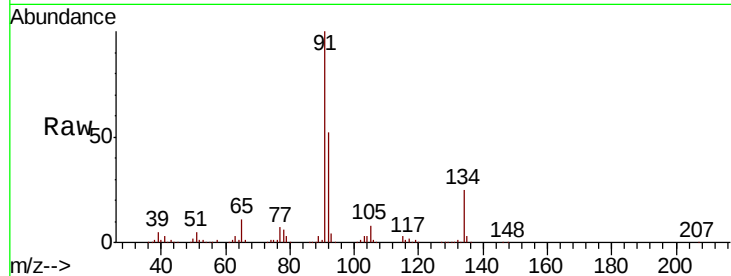




#89
n-Butylbenzene
Concen: 43.032 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

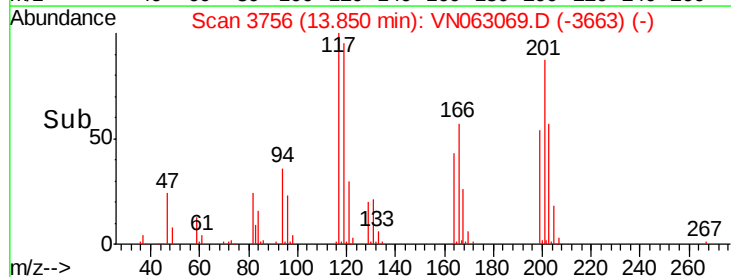
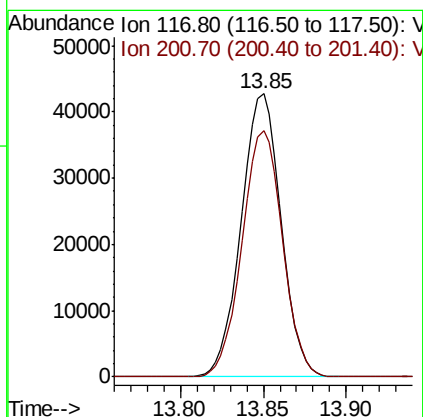
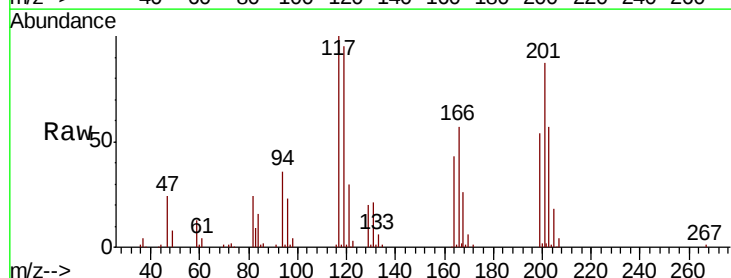
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

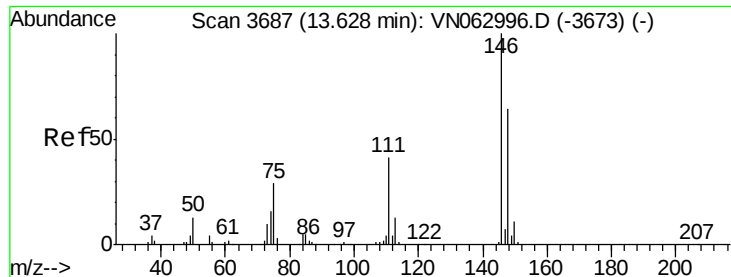
Tot Ion: 91 Resp: 282481
Ion Ratio Lower Upper
91 100
92 51.2 25.9 77.6
134 24.7 12.4 37.0



#90
Hexachloroethane
Concen: 48.259 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion: 117 Resp: 71726
Ion Ratio Lower Upper
117 100
201 88.1 44.1 132.4

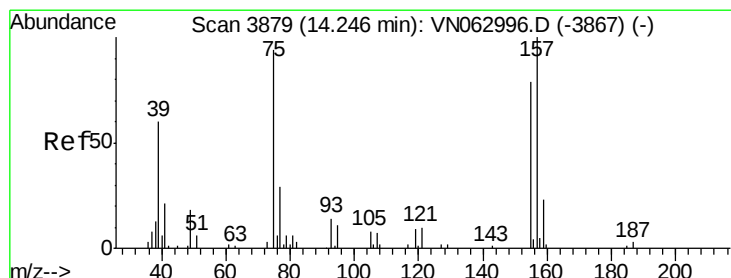
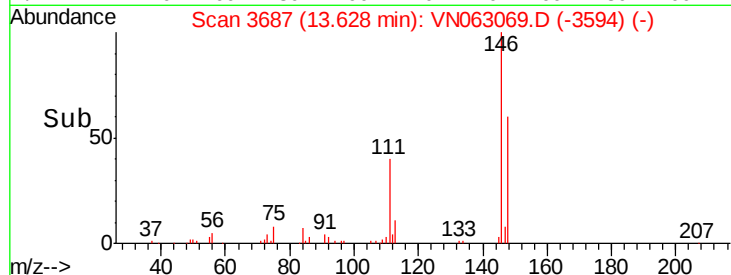
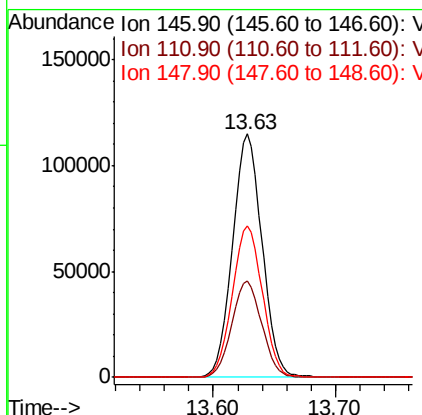
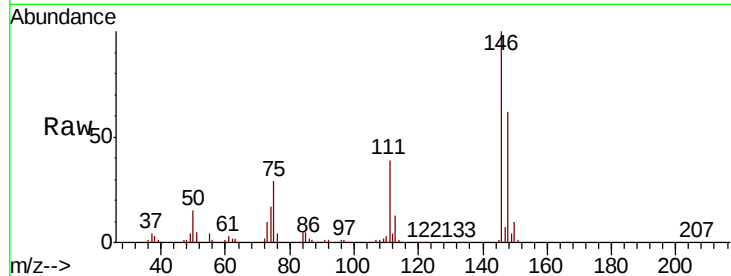




#91
 1,2-Dichlorobenzene
 Concen: 50.890 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

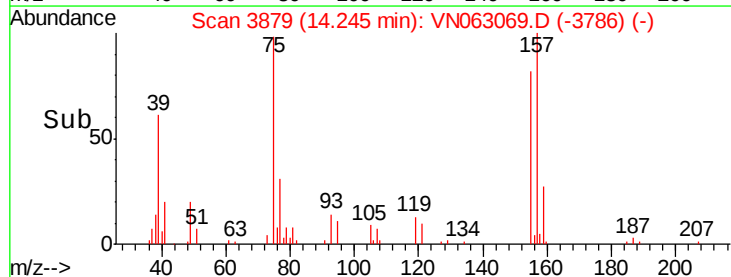
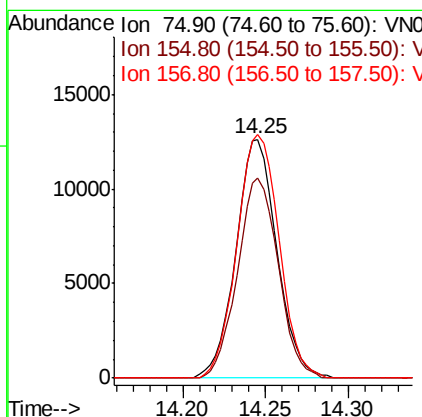
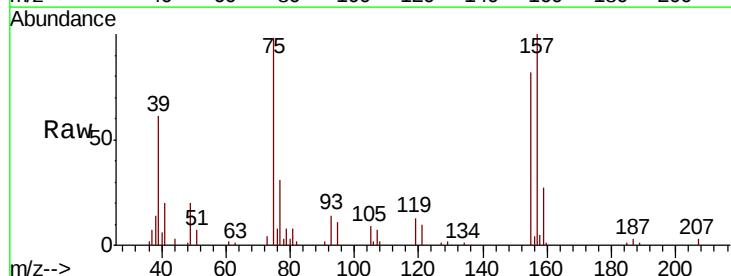
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

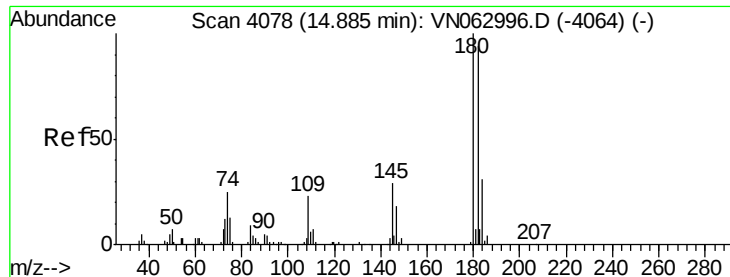
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	63.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.729 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	42.4	127.1
157	105.0	55.2	165.6

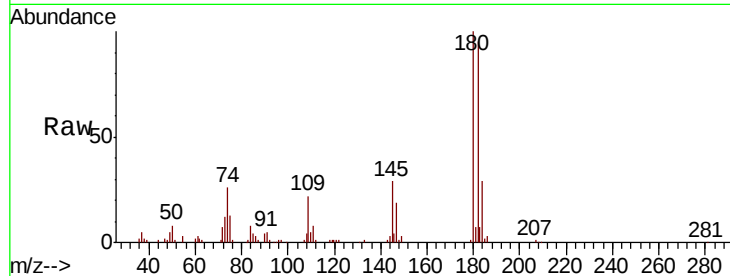




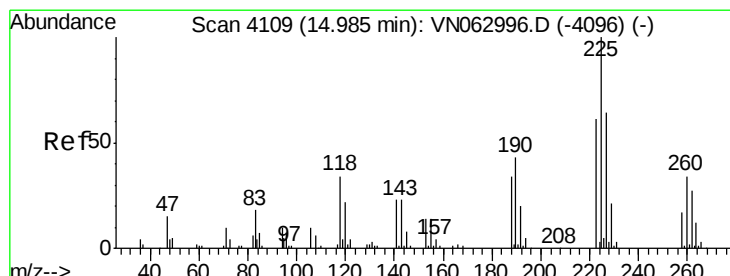
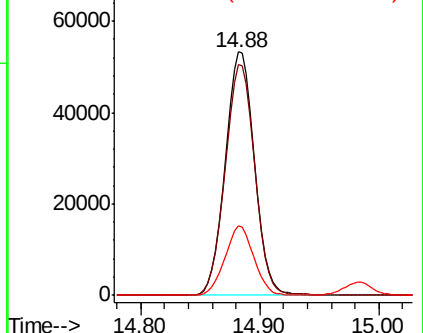
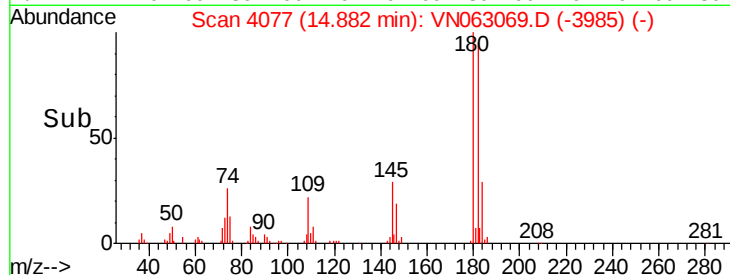
#93
 1,2,4-Trichlorobenzene
 Concen: 43.568 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 90412
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.0 141.2
 145 28.3 14.1 42.4

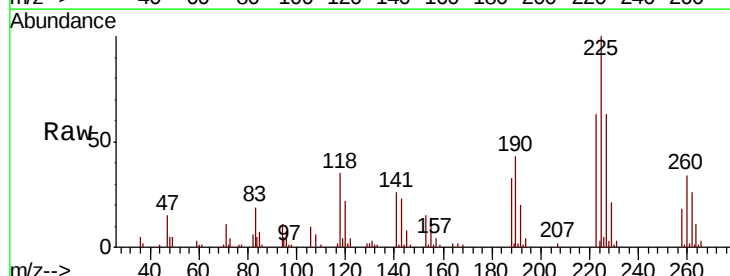


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

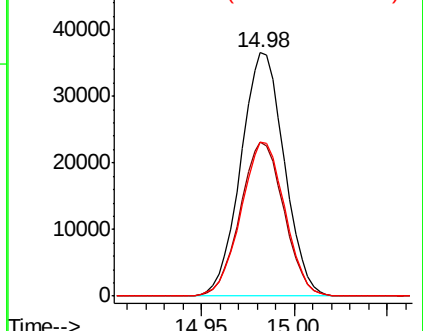
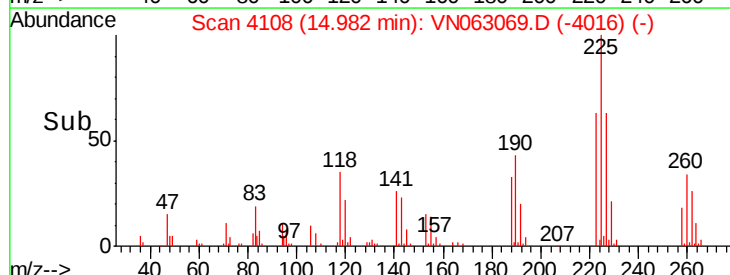


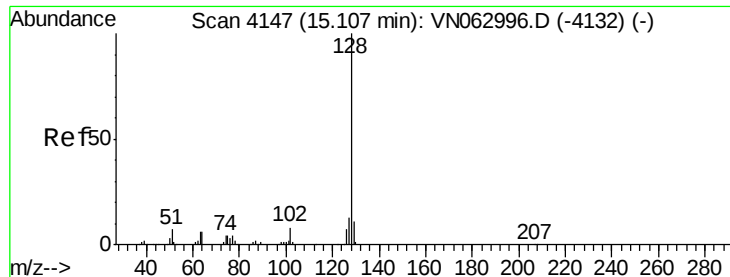
#94
 Hexachlorobutadiene
 Concen: 42.552 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063069.D
 Acq: 21 Aug 2020 5:42

Tgt Ion:225 Resp: 59749
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.9 92.5
 227 63.7 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

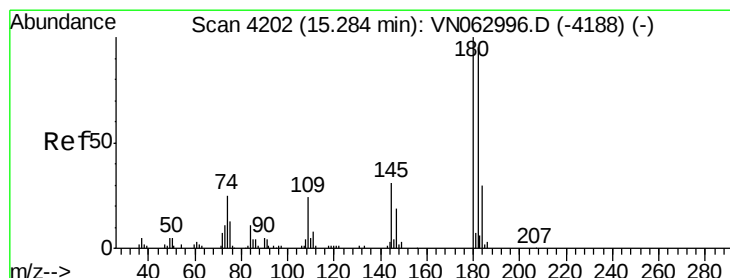
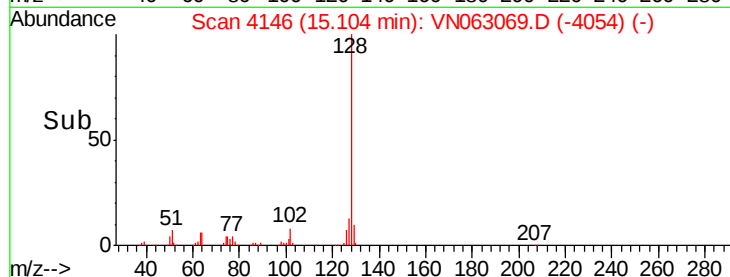
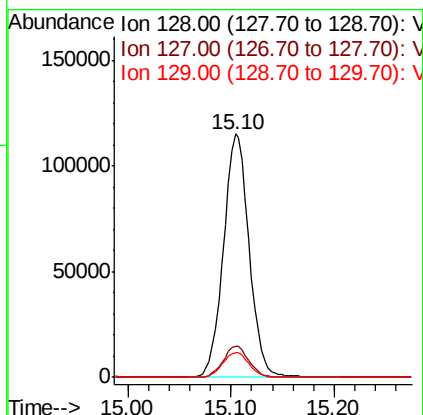
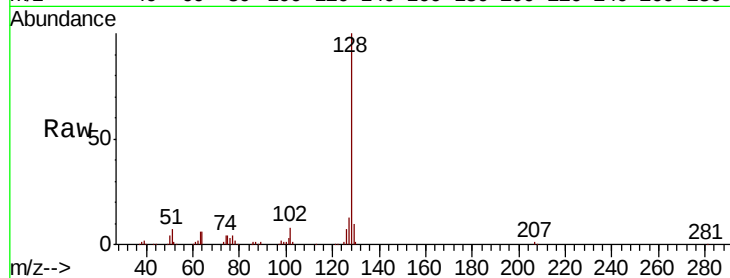




#95
Naphthalene
Concen: 42.116 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 199360
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 43.514 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063069.D
Acq: 21 Aug 2020 5:42

Tgt Ion:180 Resp: 88694
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.9
145 30.5 15.6 46.7

