

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061158.D
 Acq On : 28 Apr 2020 12:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 28 14:55:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	120742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	205191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	193817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94201	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	92330	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	7.54	113	62543	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.06	98	249951	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.37	95	96825	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	67022	52.346	ug/l	99
3) Chloromethane	2.03	50	75633	48.774	ug/l	99
4) Vinyl Chloride	2.16	62	85391	48.482	ug/l	100
5) Bromomethane	2.54	94	43404	49.854	ug/l	96
6) Chloroethane	2.67	64	54291	48.632	ug/l	97
7) Trichlorofluoromethane	2.98	101	105233	52.958	ug/l	99
8) Diethyl Ether	3.37	74	42750	51.578	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65050	50.814	ug/l	99
10) Methyl Iodide	3.91	142	87438	53.148	ug/l	99
11) Tert butyl alcohol	4.72	59	51913	202.843	ug/l	100
12) 1,1-Dichloroethene	3.69	96	64638	50.739	ug/l	98
13) Acrolein	3.56	56	36635	214.804	ug/l	96
14) Allyl chloride	4.27	41	130622	55.299	ug/l	98
15) Acrylonitrile	4.92	53	182285	232.024	ug/l	100
16) Acetone	3.77	43	149282	200.953	ug/l	100
17) Carbon Disulfide	4.01	76	181705	51.635	ug/l	99
18) Methyl Acetate	4.27	43	103240	42.906	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	238620	49.020	ug/l	98
20) Methylene Chloride	4.50	84	73690	49.465	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	70017	50.474	ug/l	98
22) Diisopropyl ether	5.90	45	277511	50.664	ug/l	99
23) Vinyl Acetate	5.84	43	1114497	252.700	ug/l	100
24) 1,1-Dichloroethane	5.79	63	142761	49.883	ug/l	100
25) 2-Butanone	6.78	43	249191	220.424	ug/l	99
26) 2,2-Dichloropropane	6.77	77	129537	53.738	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	82373	50.601	ug/l	100
28) Bromochloromethane	7.15	49	67777	49.966	ug/l	99
29) Tetrahydrofuran	7.16	42	170011	223.247	ug/l	100
30) Chloroform	7.33	83	144129	49.696	ug/l	100
31) Cyclohexane	7.61	56	134502	48.394	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	127264	50.392	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109184	53.155	ug/l	100
37) Ethyl Acetate	6.88	43	111978	46.502	ug/l	99
38) Carbon Tetrachloride	7.73	117	92445	56.279	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	126696	51.805	ug/l	99
40) Benzene	8.00	78	309700	50.608	ug/l	100
41) Methacrylonitrile	7.12	41	54323	54.333	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	121813	52.544	ug/l	100
43) Isopropyl Acetate	8.12	43	196290	49.117	ug/l	100
44) Trichloroethene	8.80	130	84010	50.783	ug/l	98
45) 1,2-Dichloropropane	9.08	63	83725	51.211	ug/l	98
46) Dibromomethane	9.17	93	53509	52.860	ug/l	98
47) Bromodichloromethane	9.37	83	113921	52.432	ug/l	98
48) Methyl methacrylate	9.16	41	88059	48.830	ug/l	99
49) 1,4-Dioxane	9.16	88	16656	813.651	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	560743	238.375	ug/l	100
52) Toluene	10.12	92	195397	53.011	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	131083	53.542	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	137815	53.246	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	75159	51.120	ug/l	97
56) Ethyl methacrylate	10.40	69	118149	46.328	ug/l	99
57) 1,3-Dichloropropane	10.68	76	133624	51.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	270912	227.643	ug/l	100
59) 2-Hexanone	10.72	43	405037	236.672	ug/l	100
60) Dibromochloromethane	10.87	129	80337	52.172	ug/l	99
61) 1,2-Dibromoethane	10.98	107	75545	51.265	ug/l	99
64) Tetrachloroethene	10.60	164	86670	51.630	ug/l	100
65) Chlorobenzene	11.41	112	200016	52.024	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	72322	52.558	ug/l	99
67) Ethyl Benzene	11.48	91	385321	53.538	ug/l	100
68) m/p-Xylenes	11.59	106	282246	107.139	ug/l	98
69) o-Xylene	11.92	106	135117	53.395	ug/l	100
70) Styrene	11.94	104	229246	54.128	ug/l	99
71) Bromoform	12.10	173	52416	51.829	ug/l #	99
73) Isopropylbenzene	12.22	105	370430	53.490	ug/l	99
74) N-amyl acetate	12.04	43	177788	50.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	106413	49.280	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	147056	74.046	ug/l #	100
77) Bromobenzene	12.50	156	83512	52.240	ug/l	99
78) n-propylbenzene	12.56	91	445522	54.239	ug/l	100
79) 2-Chlorotoluene	12.65	91	256576	53.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315055	54.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	39259	50.200	ug/l	99
82) 4-Chlorotoluene	12.75	91	272853	53.621	ug/l	99
83) tert-Butylbenzene	12.97	119	259864	53.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	313783	53.137	ug/l	99
85) sec-Butylbenzene	13.15	105	360552	54.719	ug/l	100
86) p-Isopropyltoluene	13.26	119	329532	55.507	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	156618	53.218	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	156708	52.115	ug/l	100
89) n-Butylbenzene	13.59	91	308828	56.744	ug/l	99
90) Hexachloroethane	13.85	117	28002	45.949	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	147309	52.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21730	47.648	ug/l	99

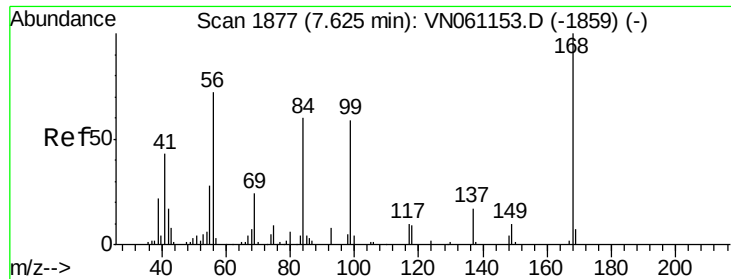
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93577	54.458	ug/l	100
94) Hexachlorobutadiene	14.98	225	41163	57.341	ug/l	98
95) Naphthalene	15.10	128	280846	50.186	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88535	52.186	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

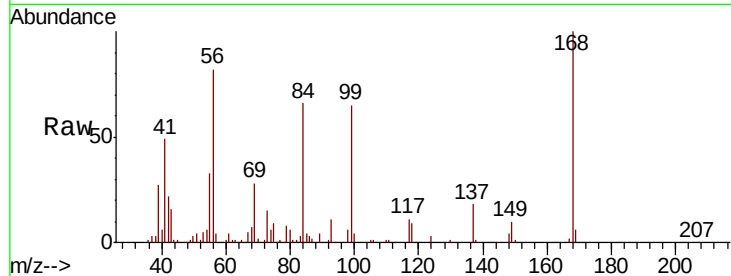
VSTDCCC050

Tot Ion:168 Resp: 120742

Ion Ratio Lower Upper

168 100

99 64.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

50000

40000

30000

20000

10000

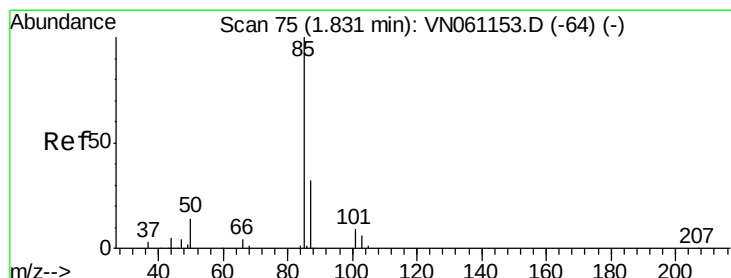
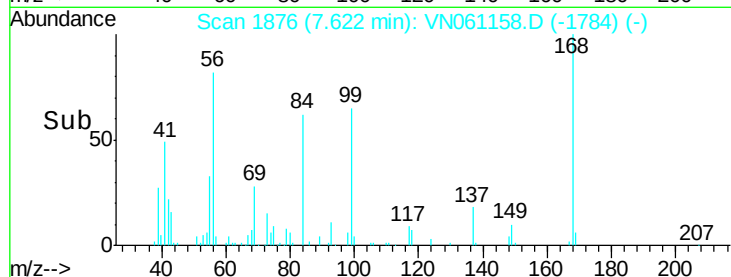
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.346 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061158.D

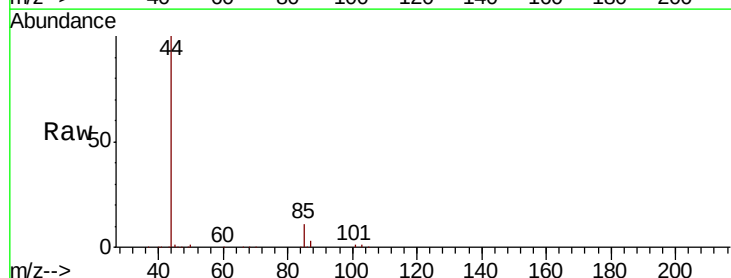
Acq: 28 Apr 2020 12:45

Tgt Ion: 85 Resp: 67022

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

20000

10000

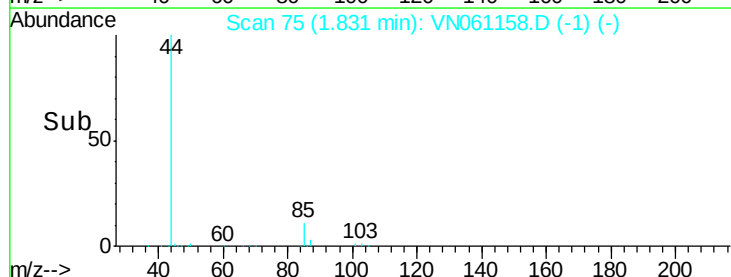
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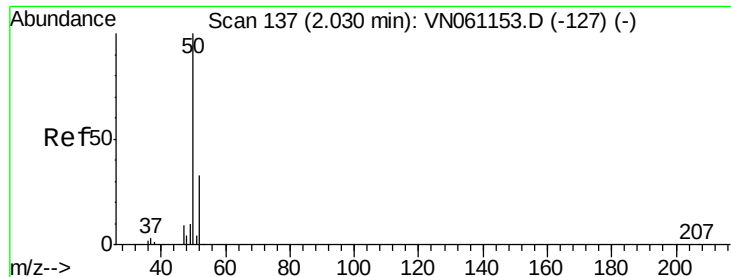
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 48.774 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

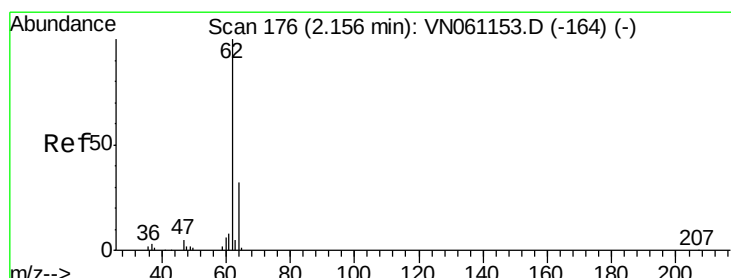
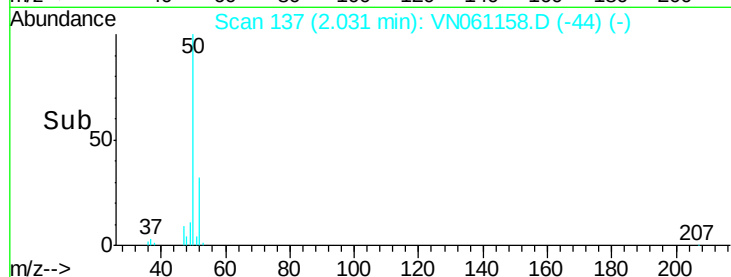
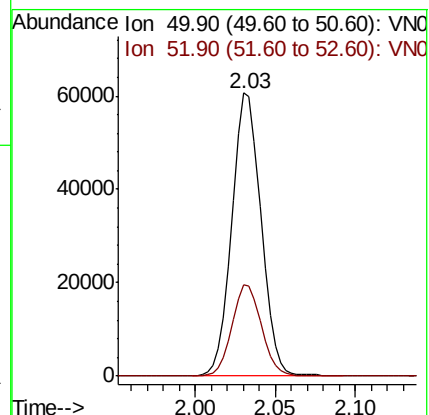
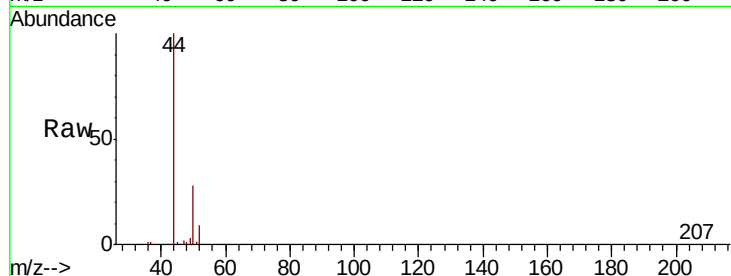
VSTDCCC050

Tot Ion: 50 Resp: 75633

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 48.482 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061158.D

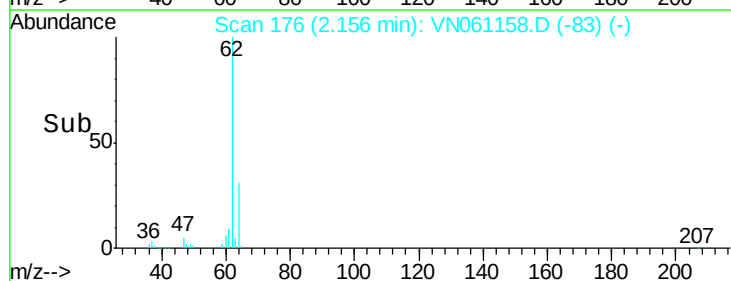
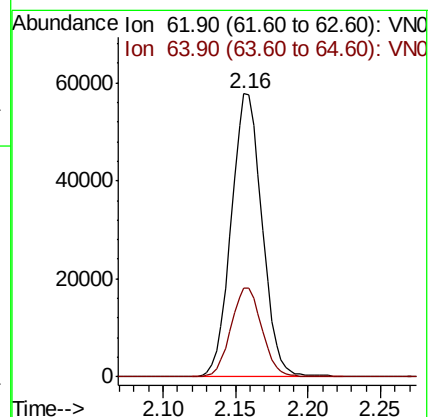
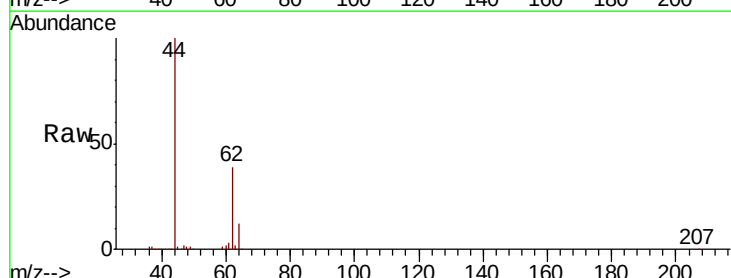
Acq: 28 Apr 2020 12:45

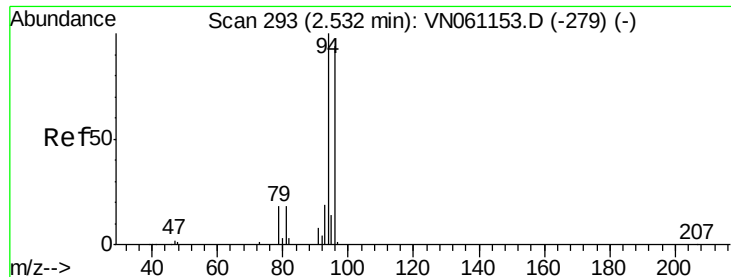
Tgt Ion: 62 Resp: 85391

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 49.854 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

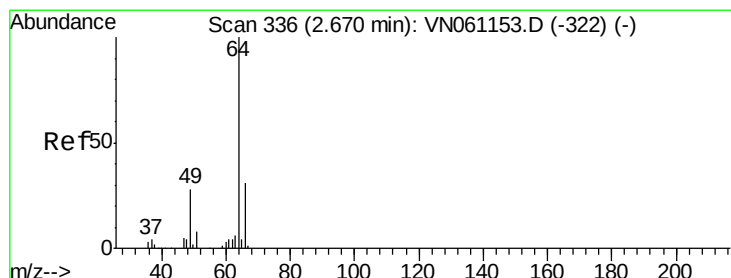
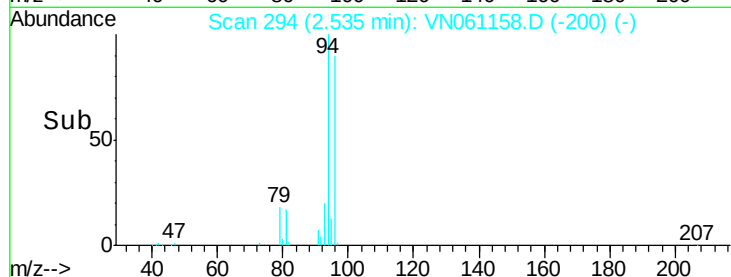
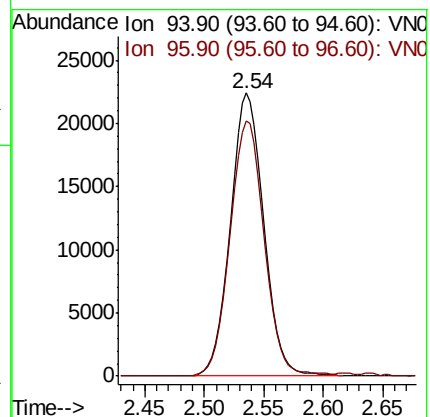
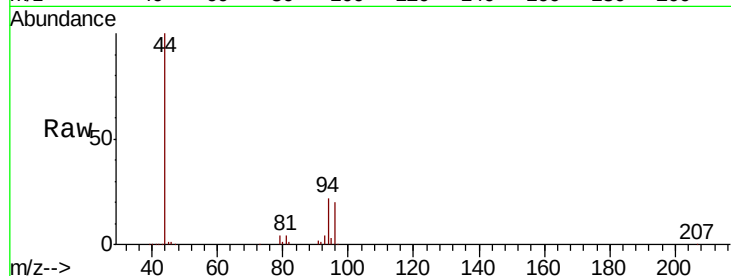
VSTDCCC050

Tot Ion: 94 Resp: 43404

Ion Ratio Lower Upper

94 100

96 90.0 75.1 112.7



#6

Chloroethane

Concen: 48.632 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061158.D

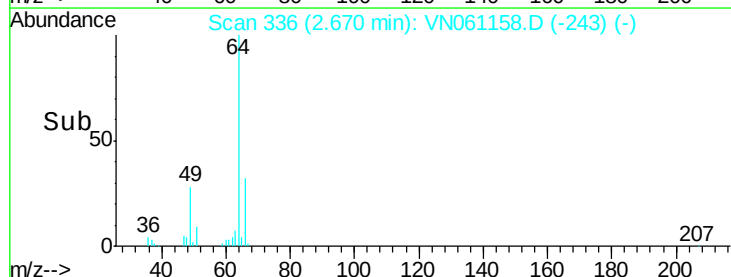
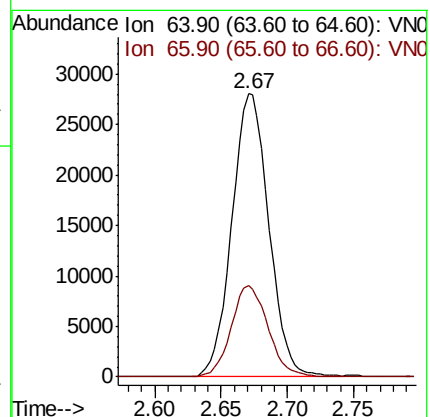
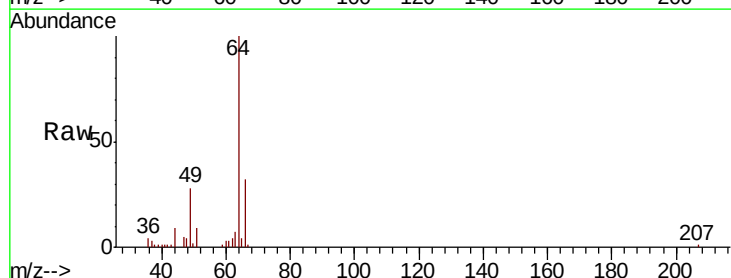
Acq: 28 Apr 2020 12:45

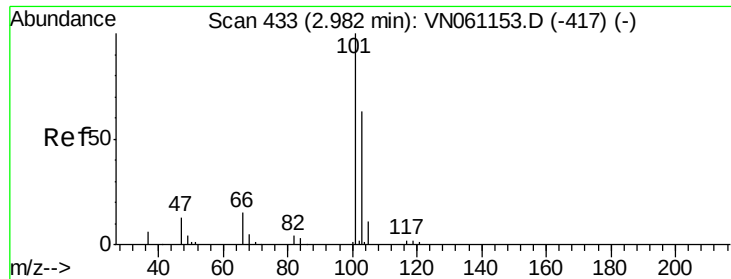
Tgt Ion: 64 Resp: 54291

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8



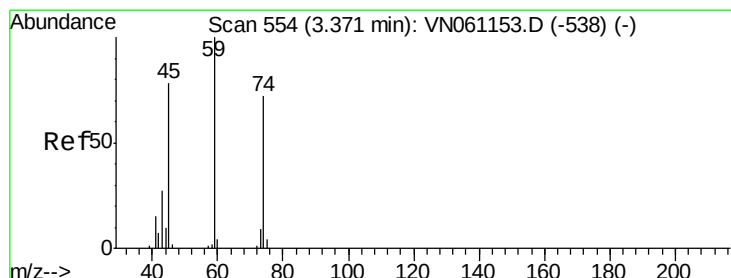
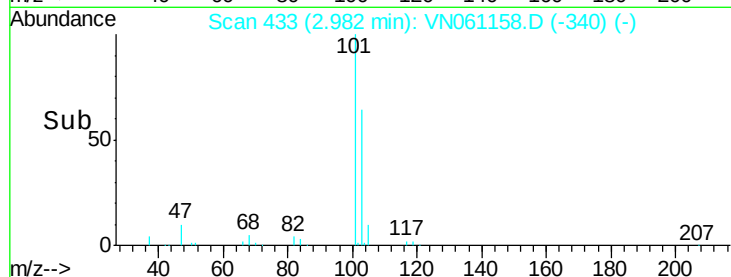
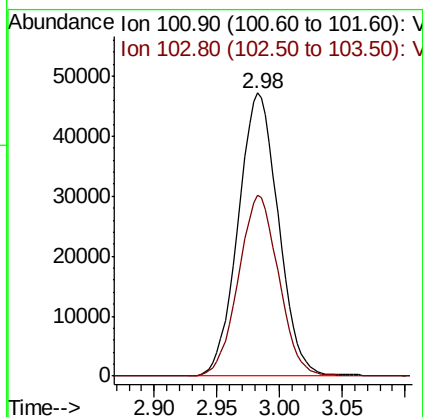
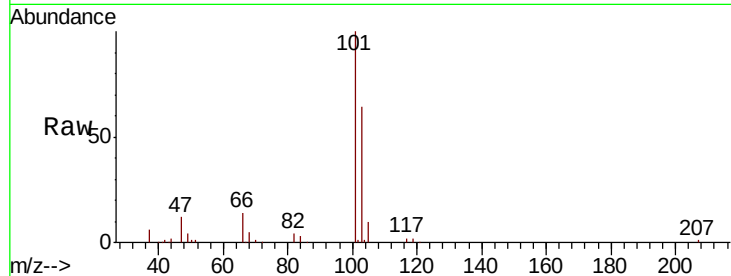


#7

Trichlorofluoromethane
 Concen: 52.958 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061158.D
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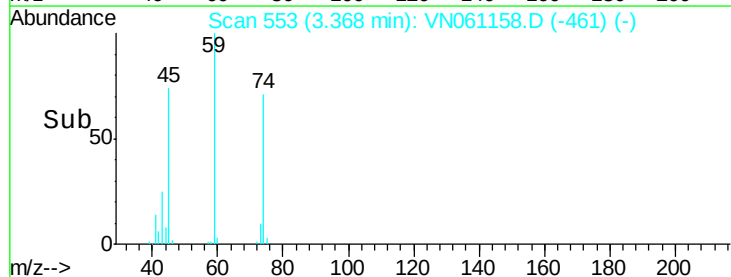
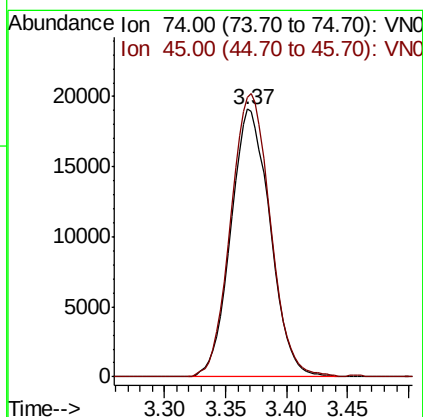
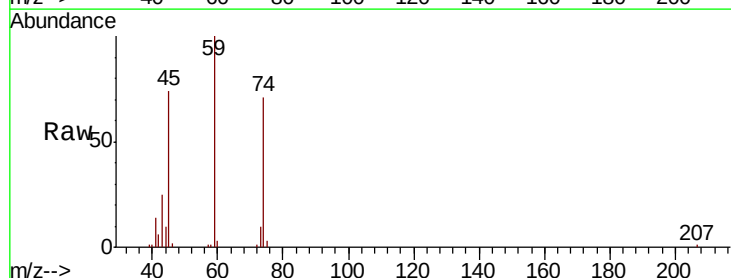
Tot Ion:101 Resp: 105233
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.6 76.0

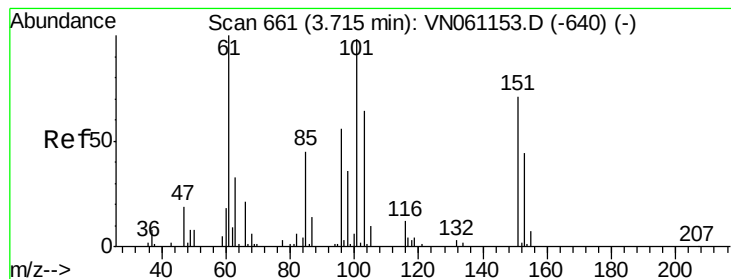


#8

Diethyl Ether
 Concen: 51.578 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 74 Resp: 42750
 Ion Ratio Lower Upper
 74 100
 45 106.4 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.814 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

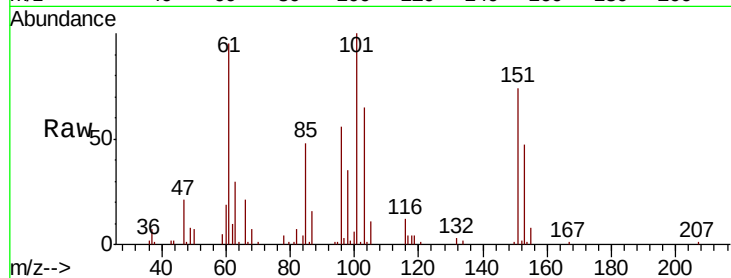
Tot Ion:101 Resp: 65050

Ion Ratio Lower Upper

101 100

85 47.5 37.2 55.8

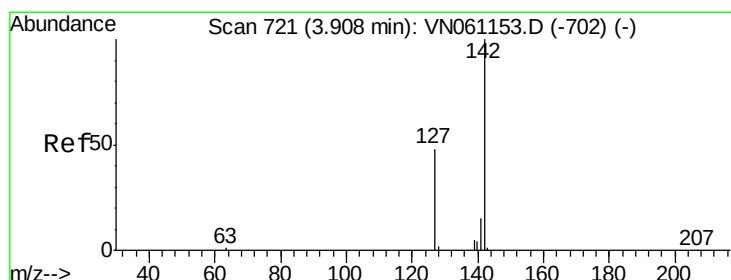
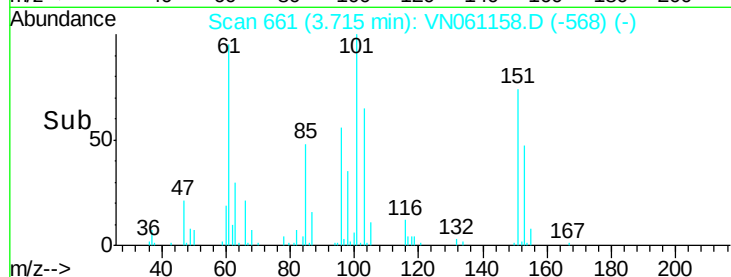
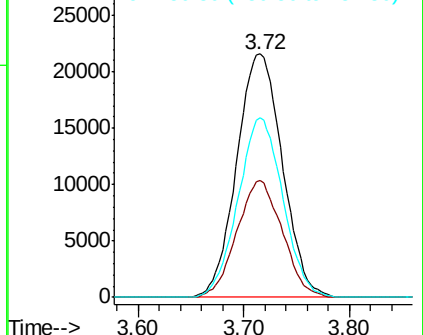
151 72.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.148 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

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Acq: 28 Apr 2020 12:45

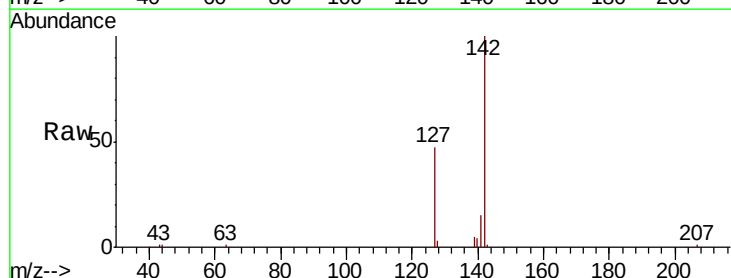
Tgt Ion:142 Resp: 87438

Ion Ratio Lower Upper

142 100

127 47.9 38.0 57.0

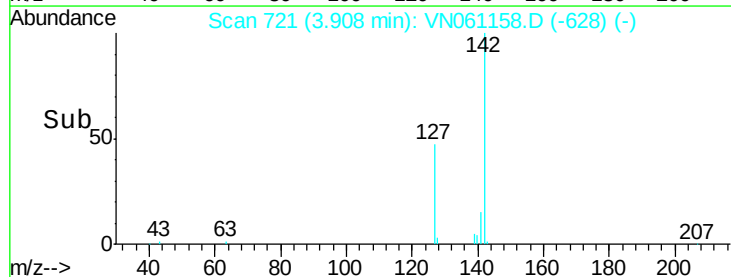
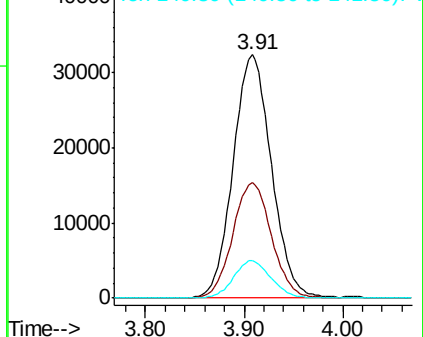
141 14.9 11.7 17.5

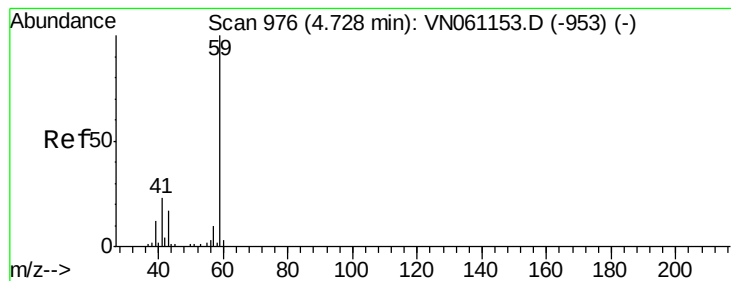


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



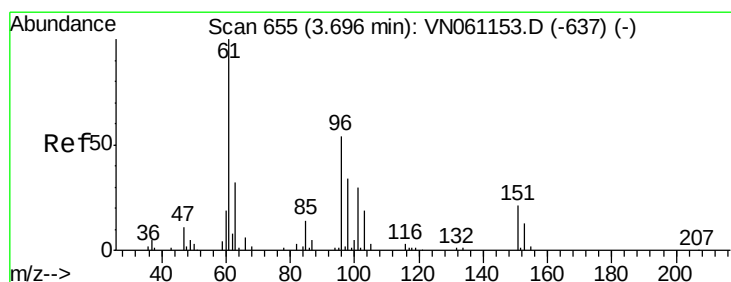
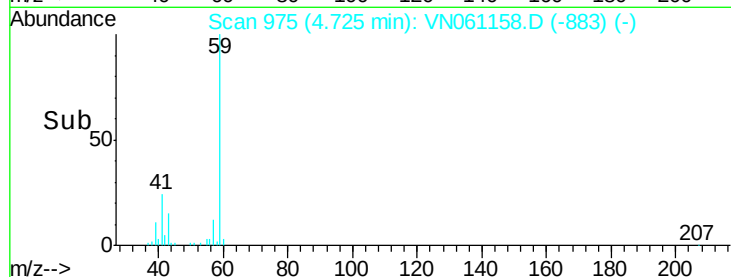
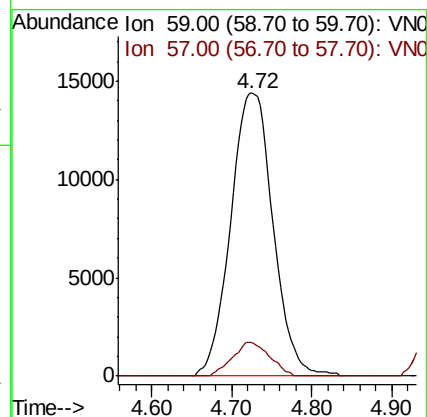
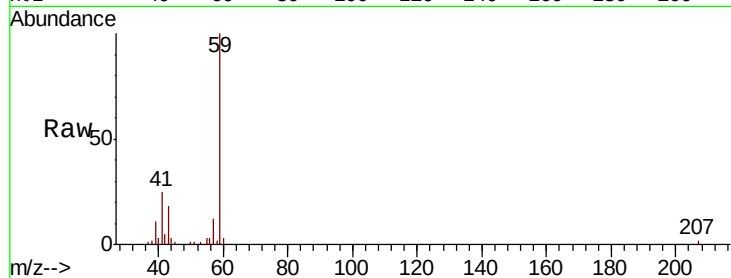


#11

Tert butyl alcohol
Concen: 202.843 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

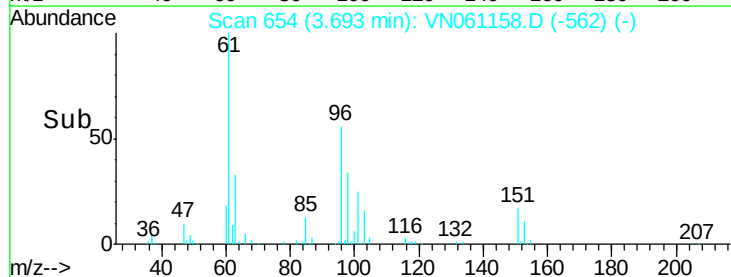
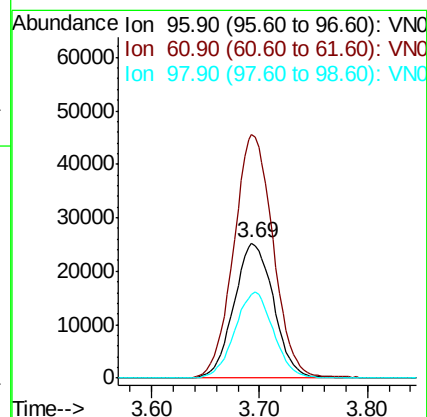
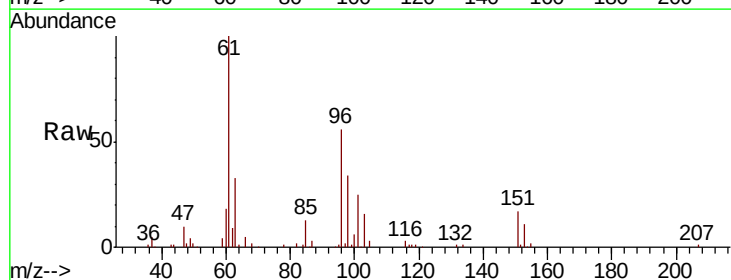
Tot Ion: 59 Resp: 51913
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

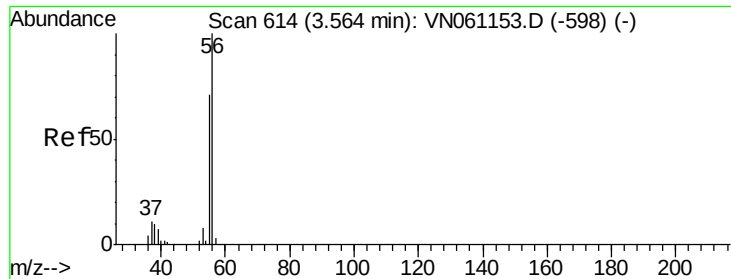


#12

1,1-Dichloroethene
Concen: 50.739 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 96 Resp: 64638
Ion Ratio Lower Upper
96 100
61 180.0 147.0 220.6
98 61.8 49.8 74.6





#13

Acrolein

Concen: 214.804 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

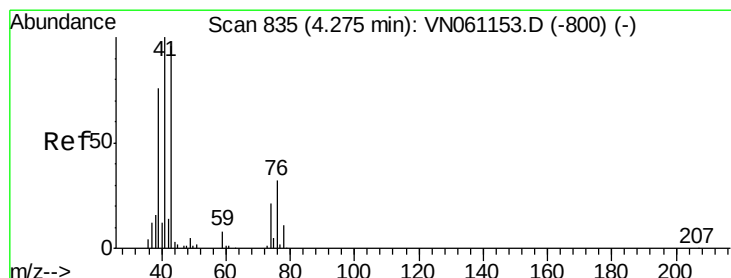
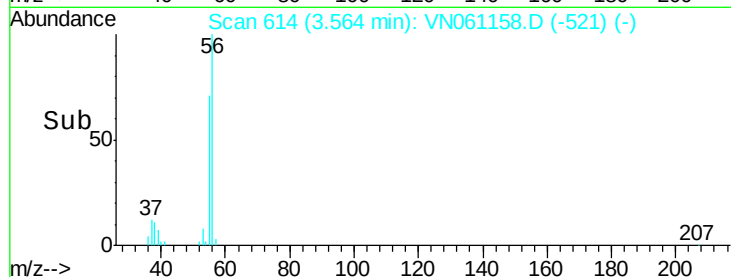
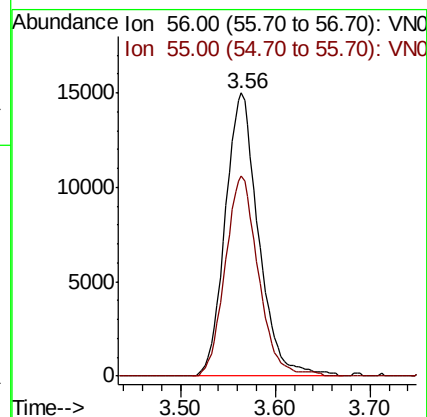
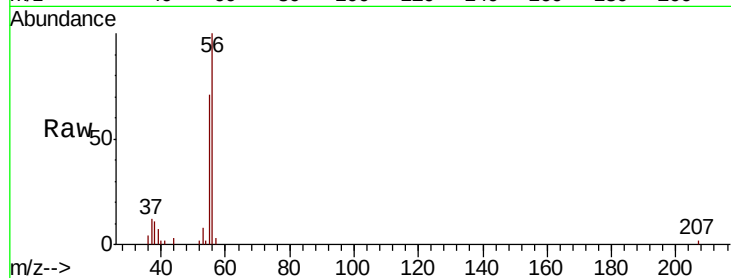
VSTDCCC050

Tot Ion: 56 Resp: 36635

Ion Ratio Lower Upper

56 100

55 69.7 58.5 87.7



#14

Allyl chloride

Concen: 55.299 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

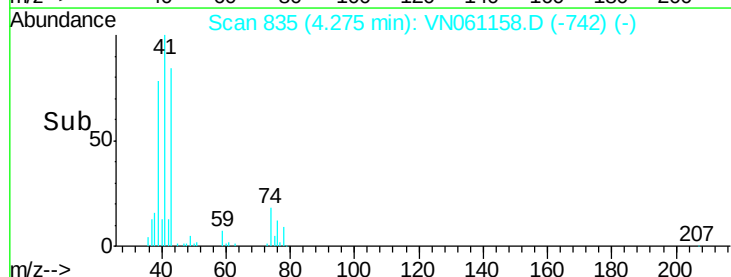
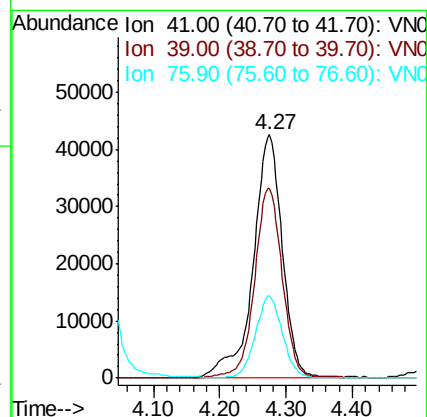
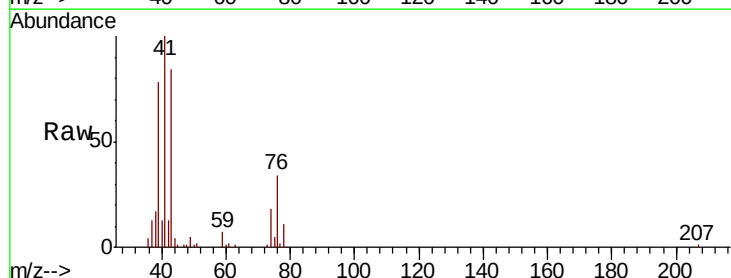
Tgt Ion: 41 Resp: 130622

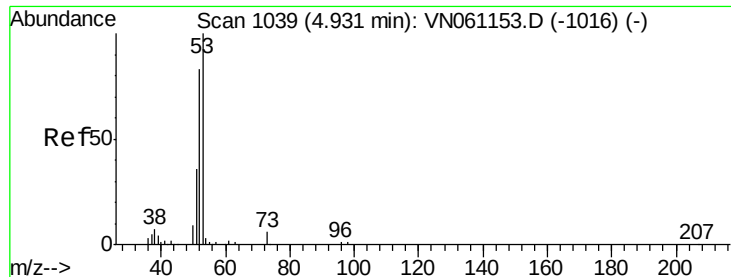
Ion Ratio Lower Upper

41 100

39 73.4 57.1 85.7

76 31.1 24.3 36.5





#15

Acrylonitrile

Concen: 232.024 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

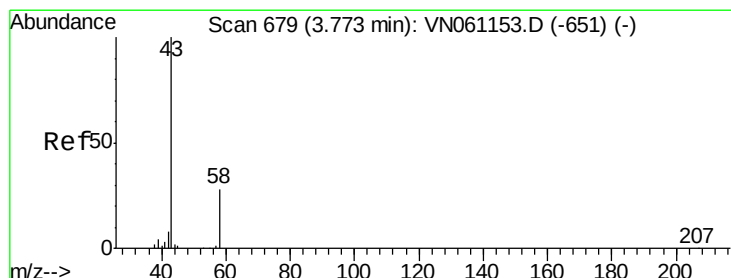
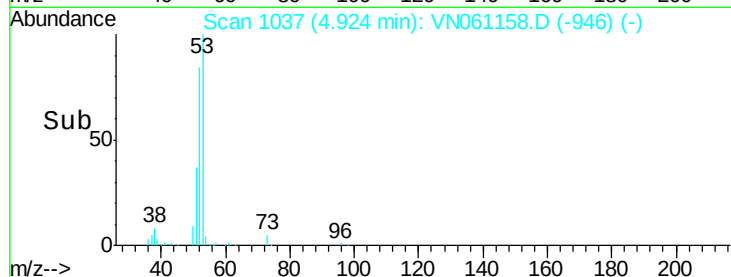
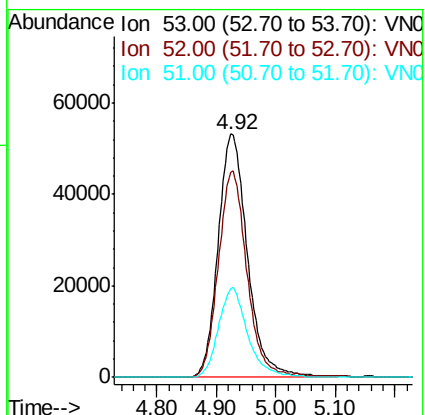
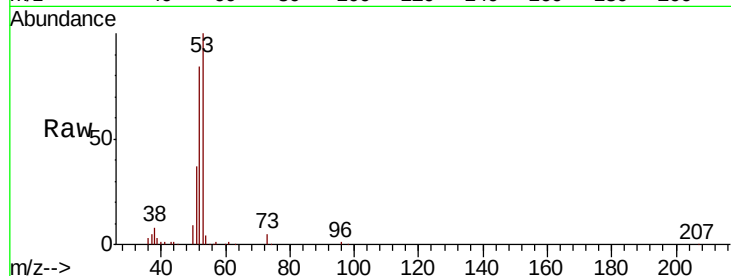
Tot Ion: 53 Resp: 182285

Ion Ratio Lower Upper

53 100

52 81.7 65.4 98.0

51 36.7 29.5 44.3



#16

Acetone

Concen: 200.953 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061158.D

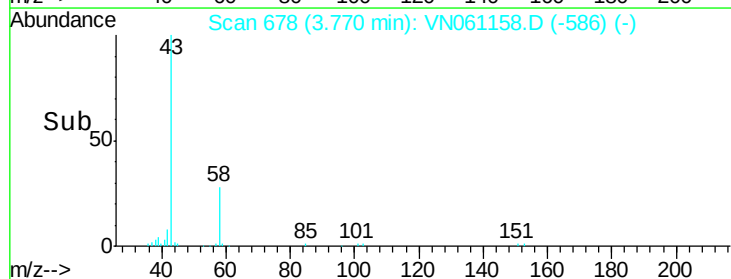
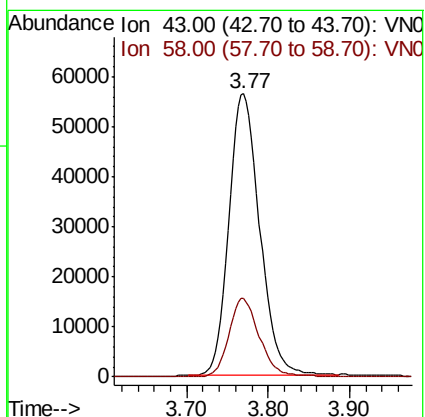
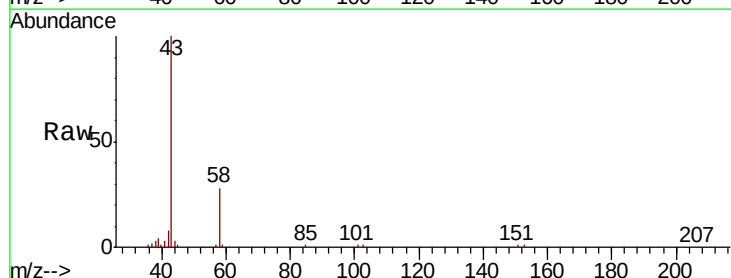
Acq: 28 Apr 2020 12:45

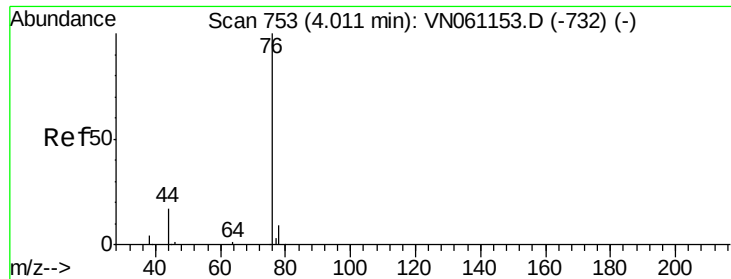
Tgt Ion: 43 Resp: 149282

Ion Ratio Lower Upper

43 100

58 27.7 22.2 33.2





#17

Carbon Disulfide

Concen: 51.635 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

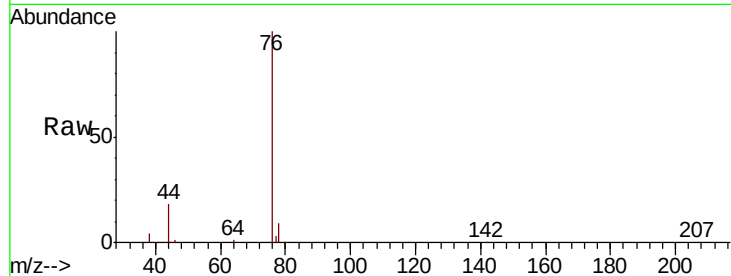
VSTDCCC050

Tot Ion: 76 Resp: 181705

Ion Ratio Lower Upper

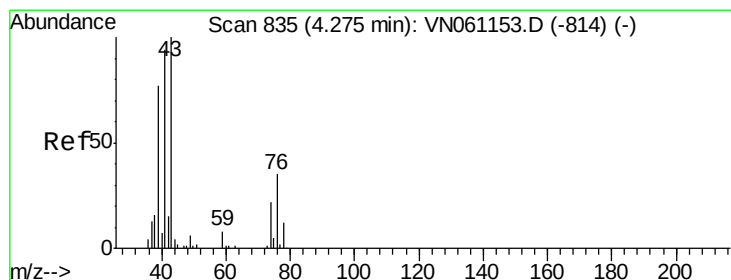
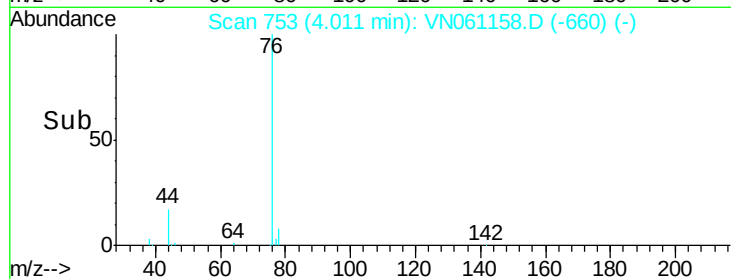
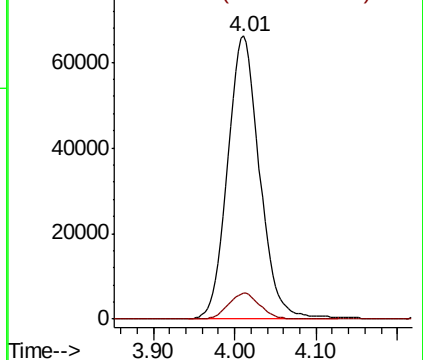
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 42.906 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061158.D

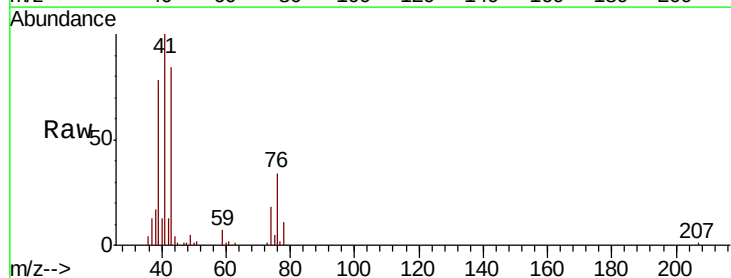
Acq: 28 Apr 2020 12:45

Tgt Ion: 43 Resp: 103240

Ion Ratio Lower Upper

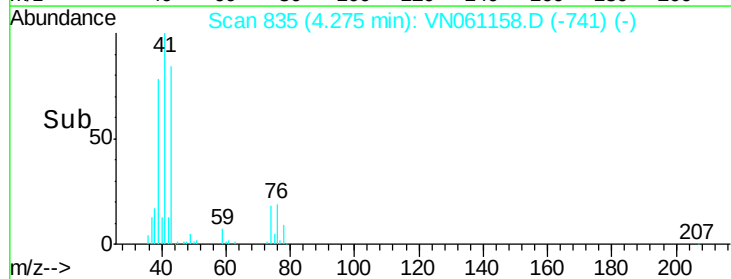
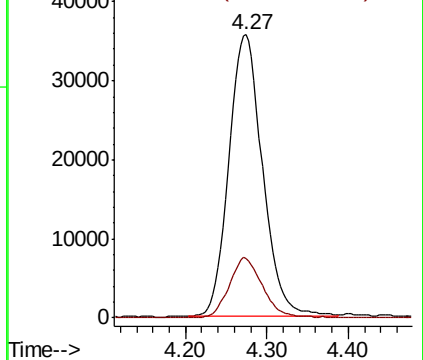
43 100

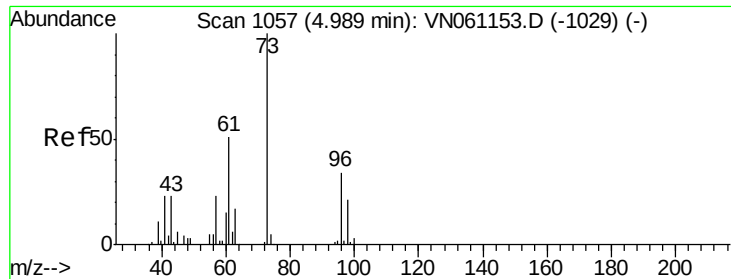
74 20.9 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

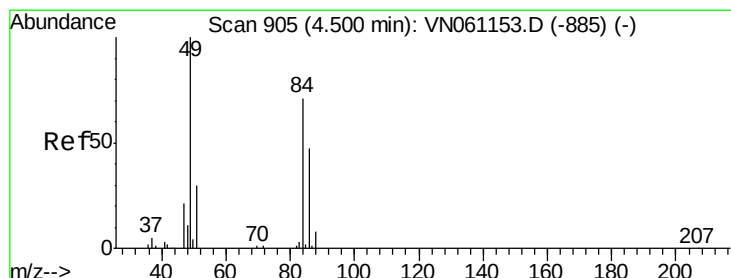
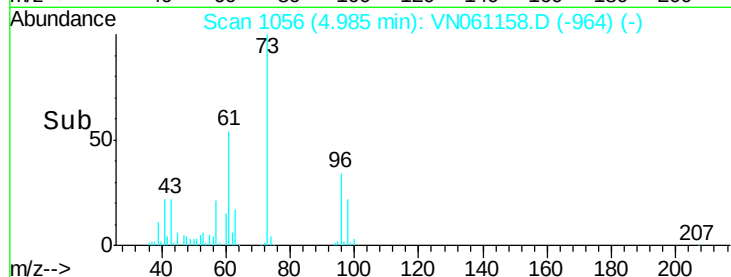
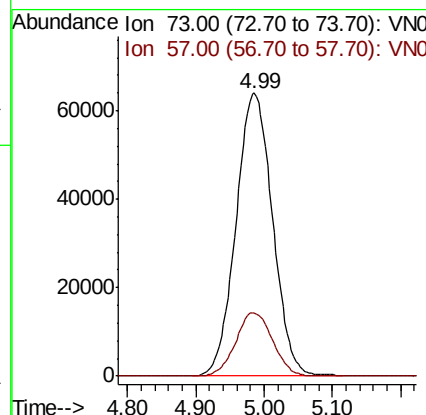
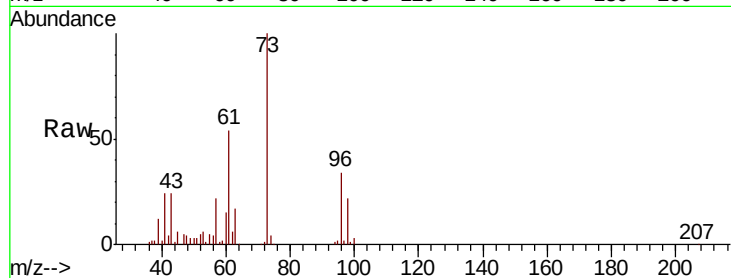




#19
Methvl tert-butvl Ether
Concen: 49.020 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

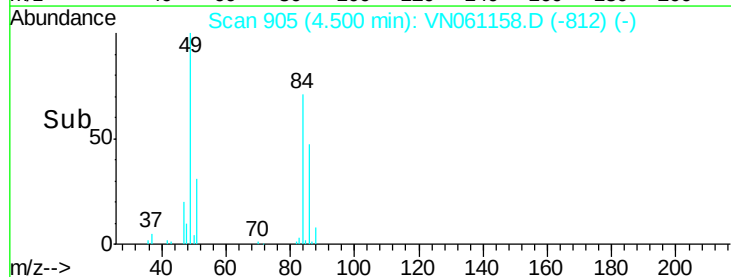
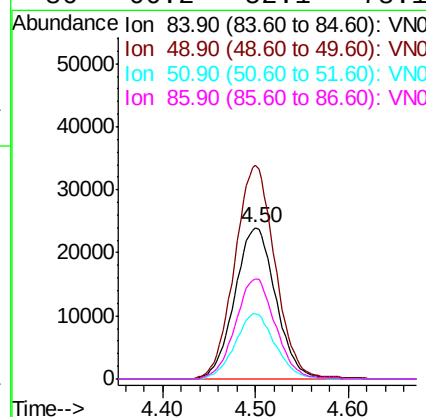
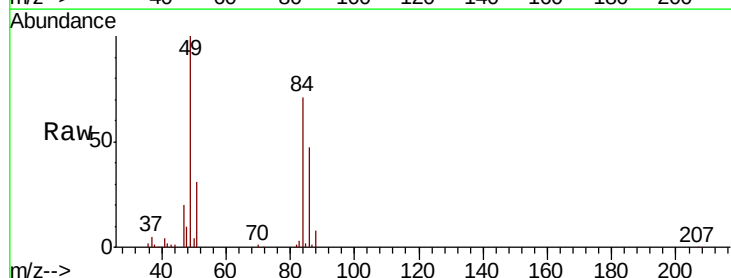
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

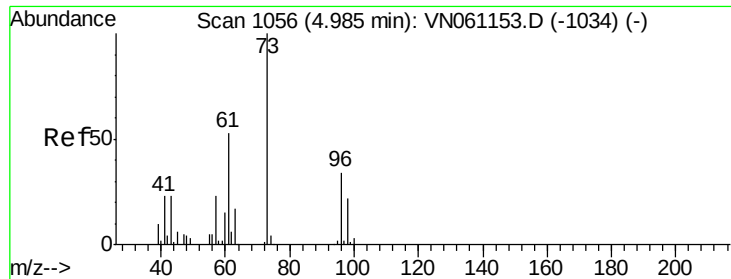
Tot Ion: 73 Resp: 238620
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 49.465 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 84 Resp: 73690
Ion Ratio Lower Upper
84 100
49 141.4 112.0 168.0
51 43.4 33.6 50.4
86 66.2 52.1 78.1

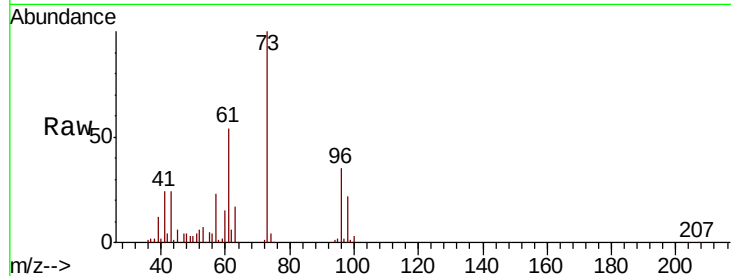




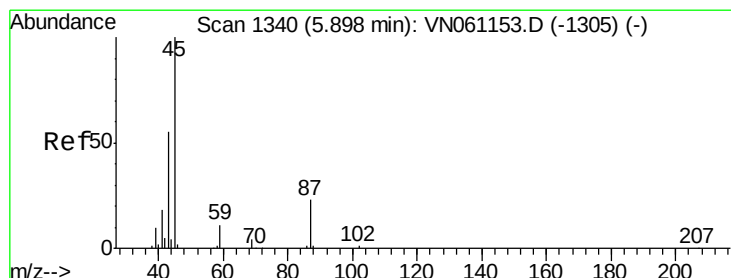
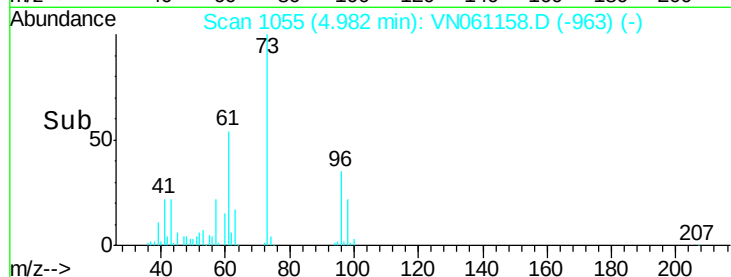
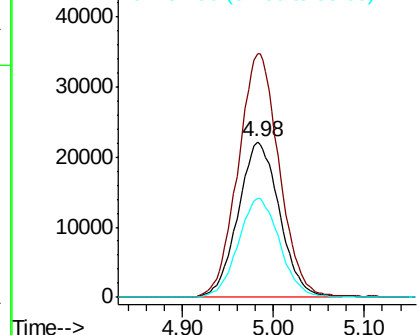
#21
trans-1,2-Dichloroethene
Concen: 50.474 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 70017
Ion Ratio Lower Upper
96 100
61 156.3 123.0 184.4
98 63.8 50.1 75.1

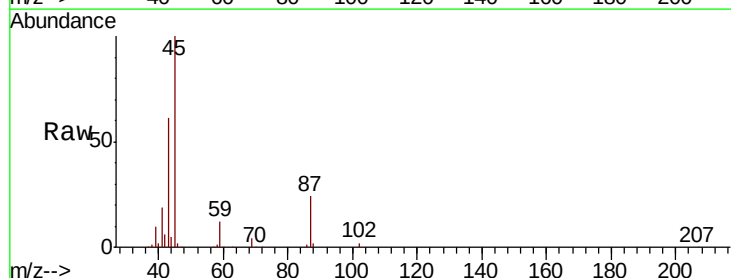


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

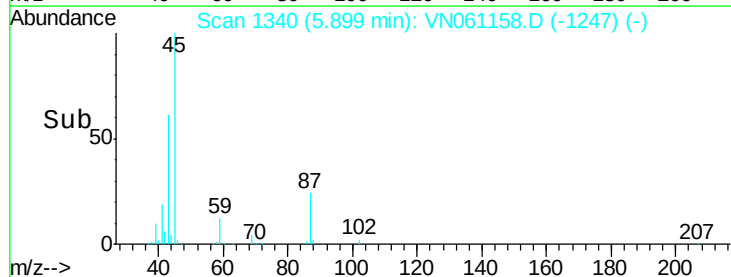
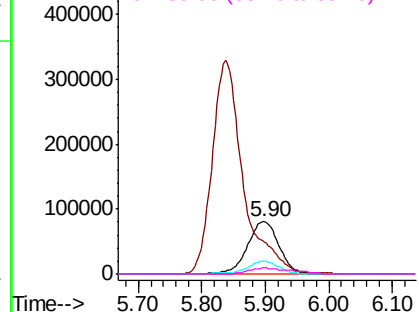


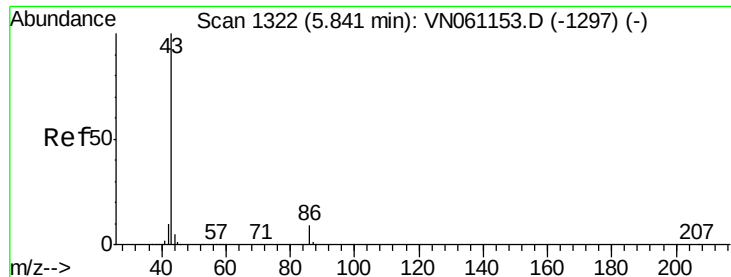
#22
Diisopropyl ether
Concen: 50.664 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 45 Resp: 277511
Ion Ratio Lower Upper
45 100
43 59.4 47.9 71.9
87 24.0 19.2 28.8
59 11.6 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.700 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

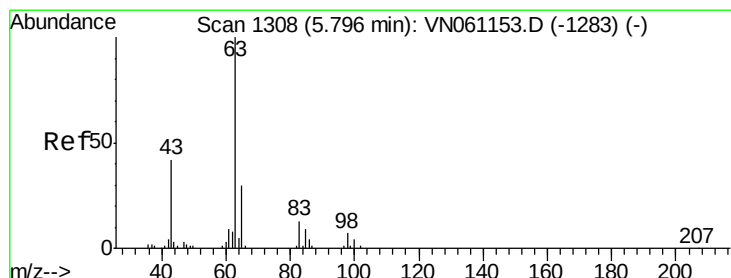
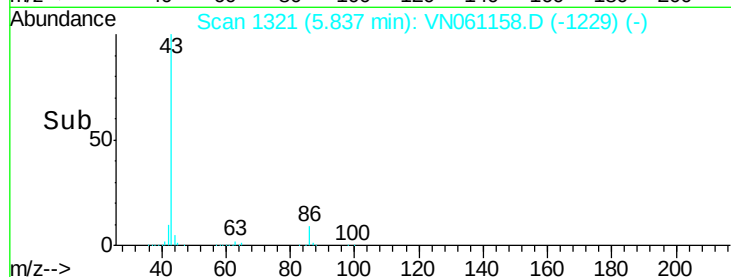
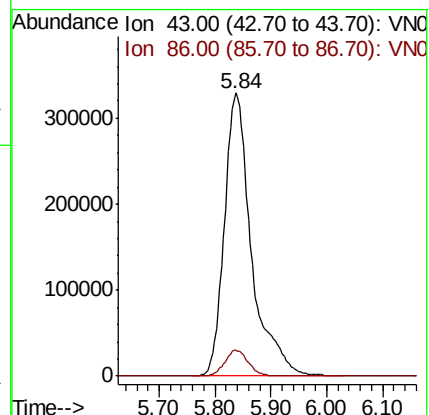
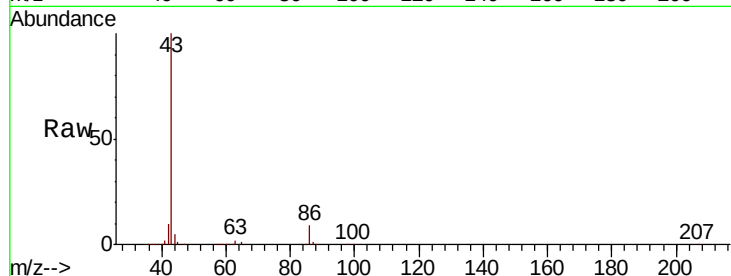
VSTDCCC050

Tot Ion: 43 Resp: 1114497

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



#24

1,1-Dichloroethane

Concen: 49.883 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

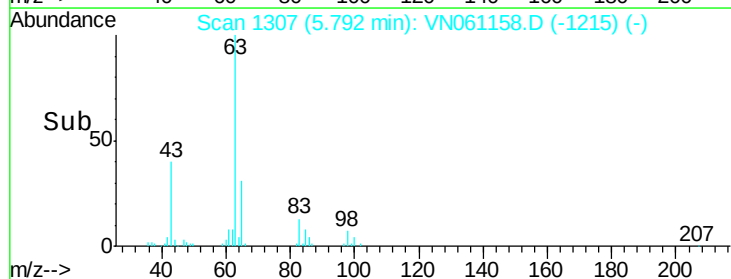
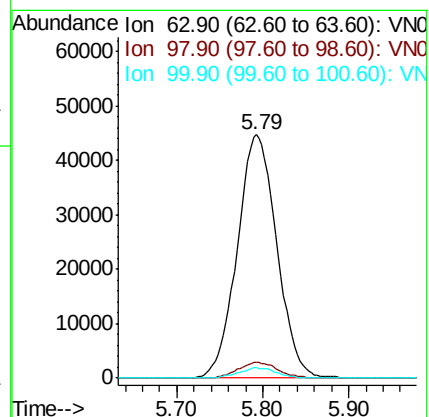
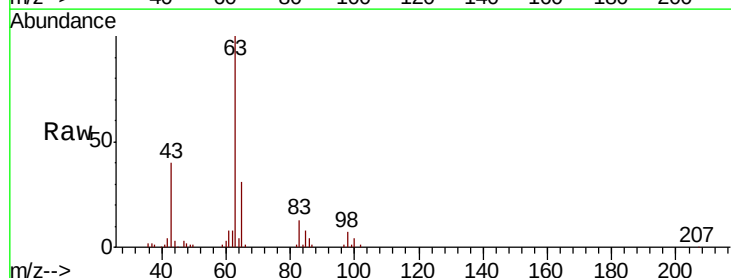
Tgt Ion: 63 Resp: 142761

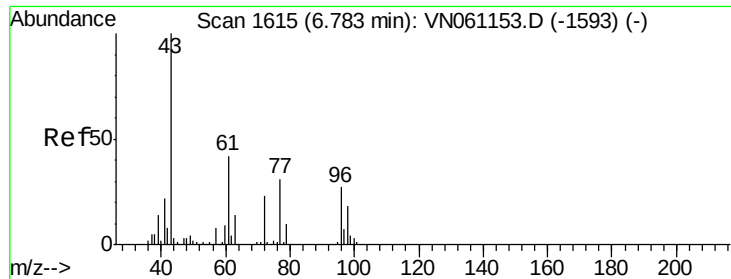
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 1.9 5.7

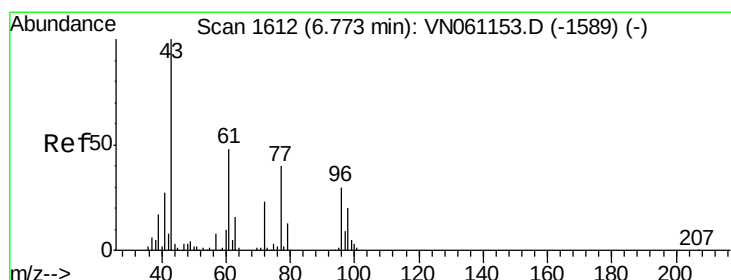
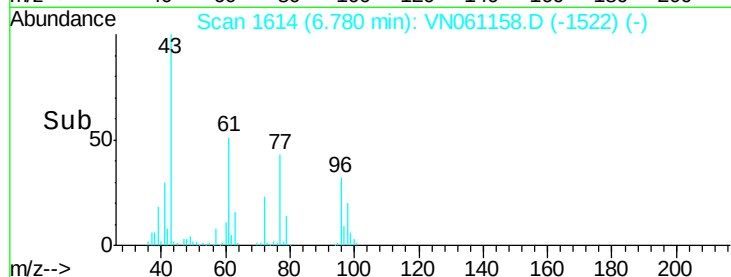
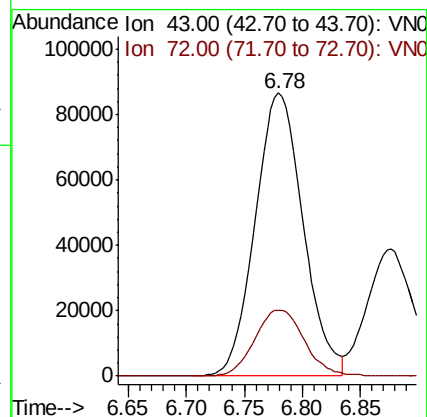
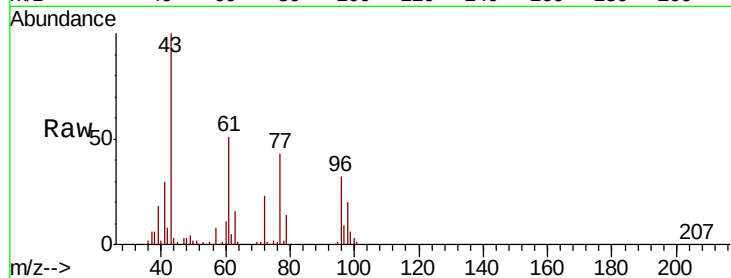




#25
2-Butanone
Concen: 220.424 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

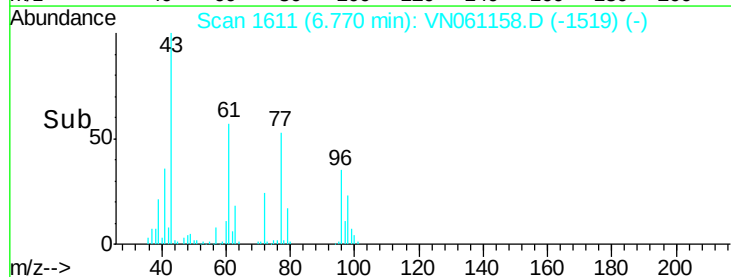
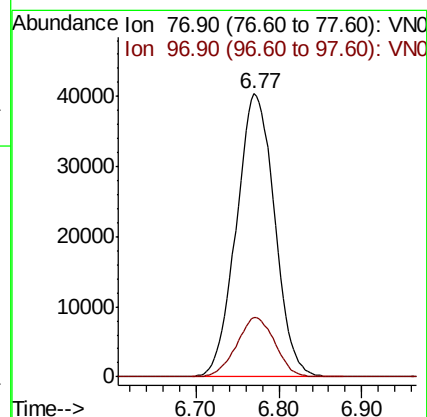
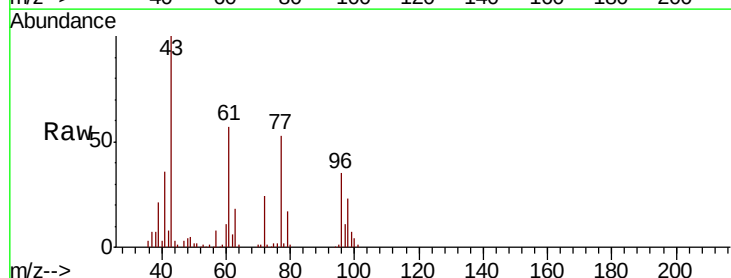
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

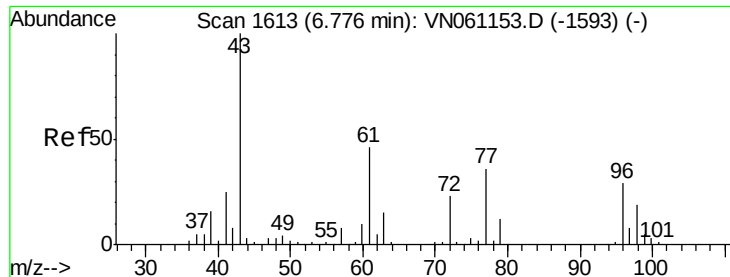
Tot Ion: 43 Resp: 249191
Ion Ratio Lower Upper
43 100
72 23.4 18.2 27.4



#26
2,2-Dichloropropane
Concen: 53.738 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 77 Resp: 129537
Ion Ratio Lower Upper
77 100
97 20.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 50.601 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

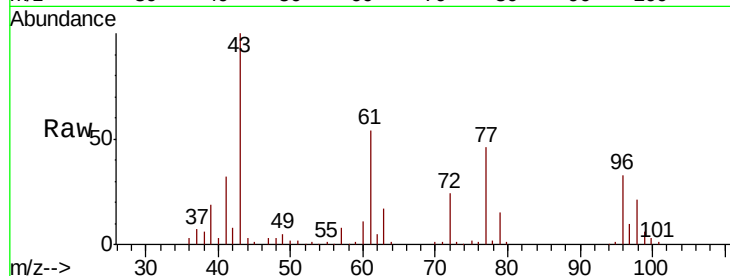
Tot Ion: 96 Resp: 82373

Ion Ratio Lower Upper

96 100

61 161.0 0.0 322.0

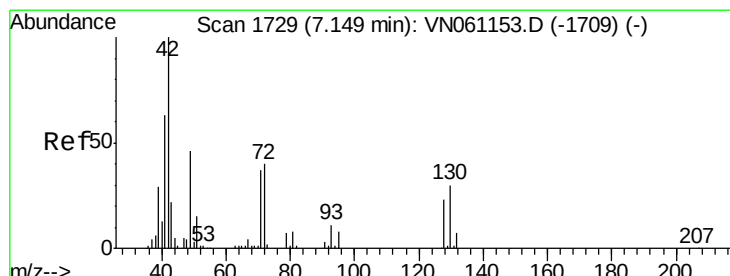
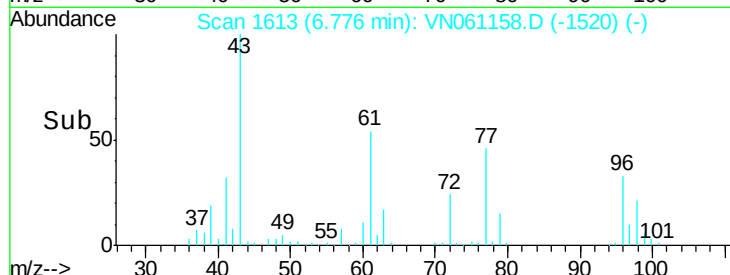
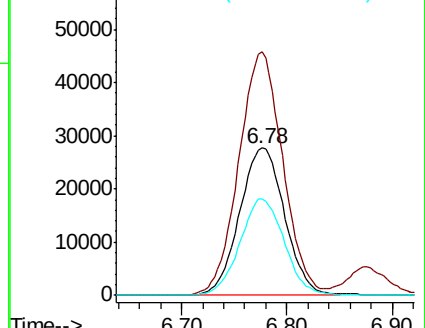
98 64.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061158.D (-1520) (-)

Ion 60.90 (60.60 to 61.60): VN061158.D (-1520) (-)

Ion 97.90 (97.60 to 98.60): VN061158.D (-1520) (-)



#28

Bromochloromethane

Concen: 49.966 ug/l

RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

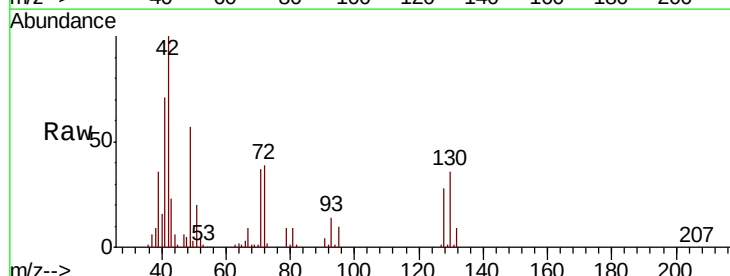
Tgt Ion: 49 Resp: 67777

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.0

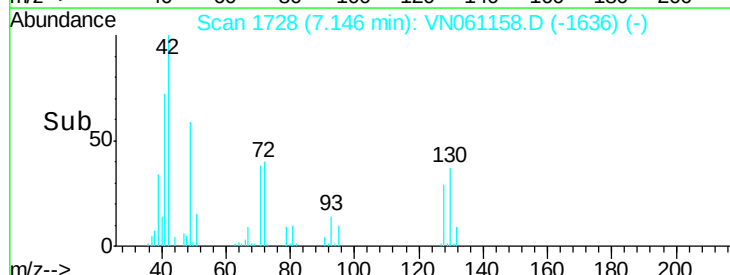
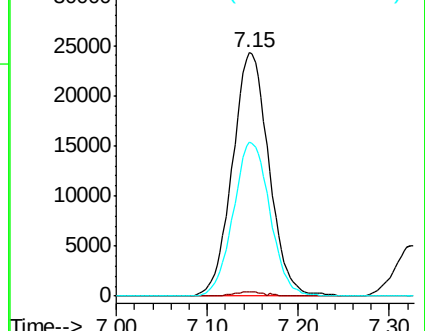
130 63.3 51.4 77.2

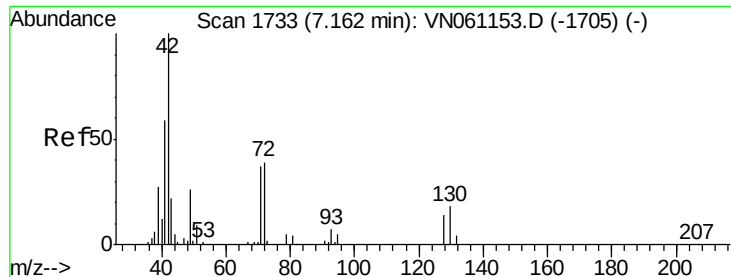


Abundance Ion 48.90 (48.60 to 49.60): VN061158.D (-1636) (-)

Ion 128.80 (128.50 to 129.50): VN061158.D (-1636) (-)

Ion 129.80 (129.50 to 130.50): VN061158.D (-1636) (-)

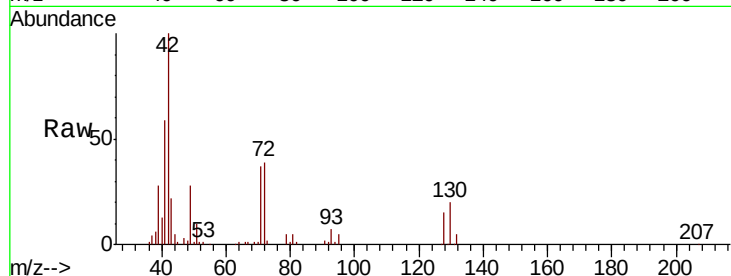




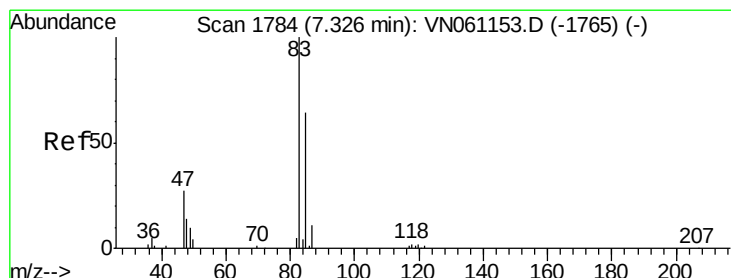
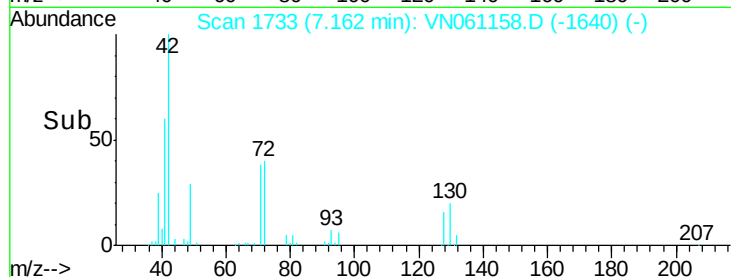
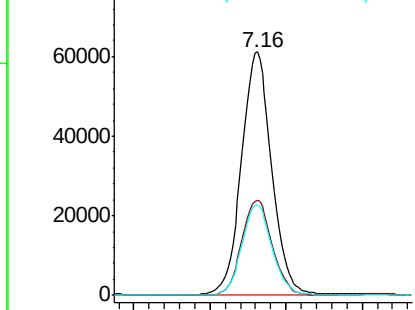
#29
Tetrahydrofuran
Concen: 223.247 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 170011
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.0
71 36.9 29.5 44.3

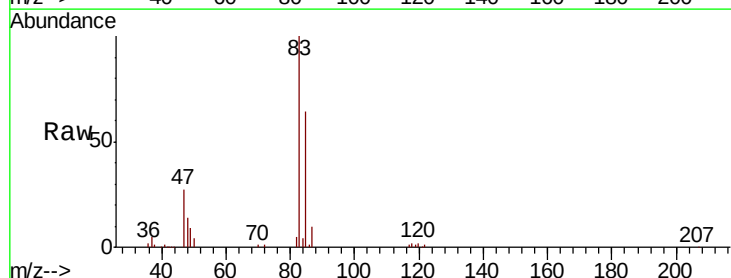


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

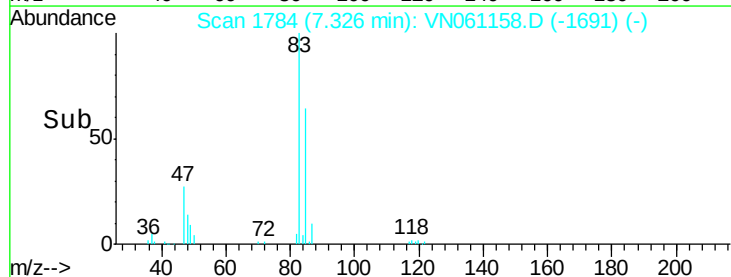
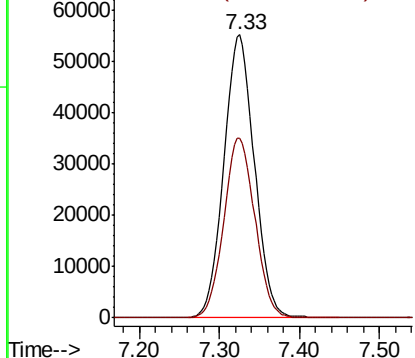


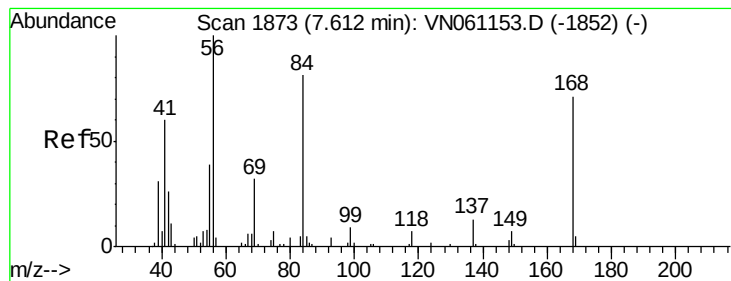
#30
Chloroform
Concen: 49.696 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 83 Resp: 144129
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7



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





#31

Cyclohexane

Concen: 48.394 ug/l

RT: 7.61 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

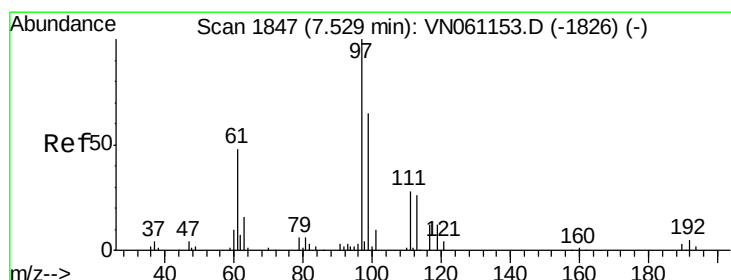
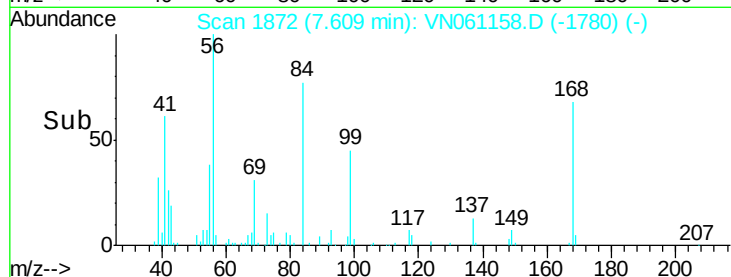
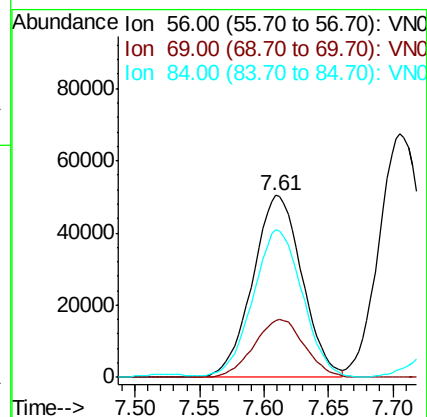
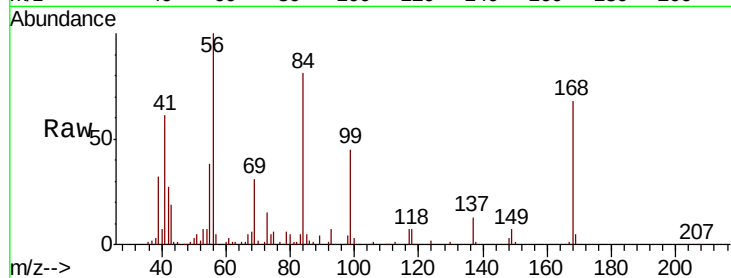
Tot Ion: 56 Resp: 134502

Ion Ratio Lower Upper

56 100

69 31.2 25.7 38.5

84 80.3 64.6 97.0



#32

1,1,1-Trichloroethane

Concen: 50.392 ug/l

RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

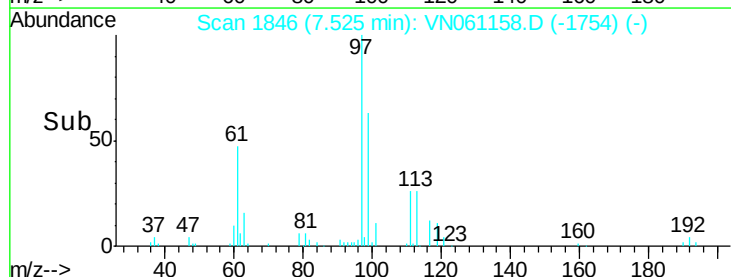
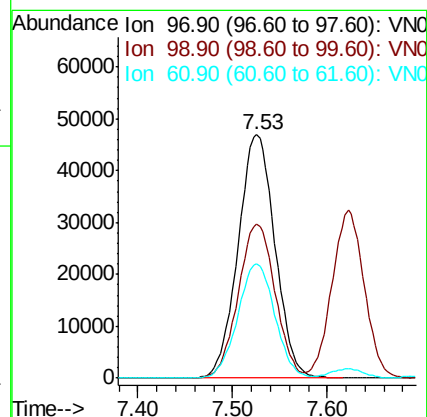
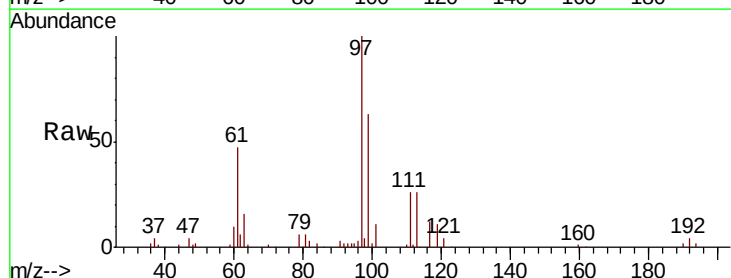
Tgt Ion: 97 Resp: 127264

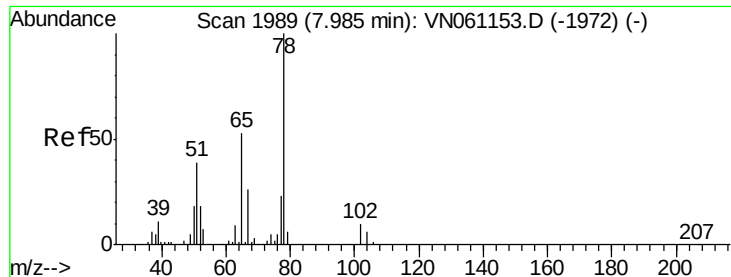
Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 47.2 38.6 57.8

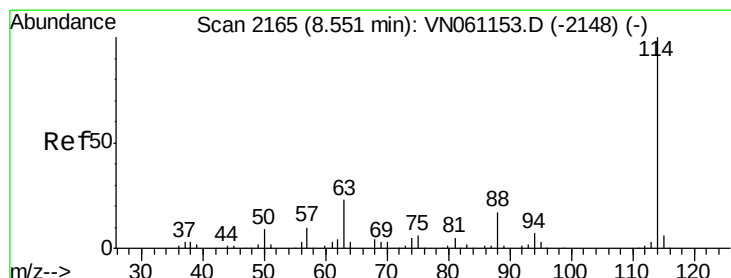
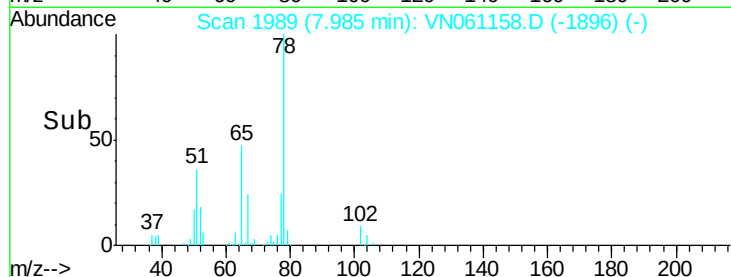
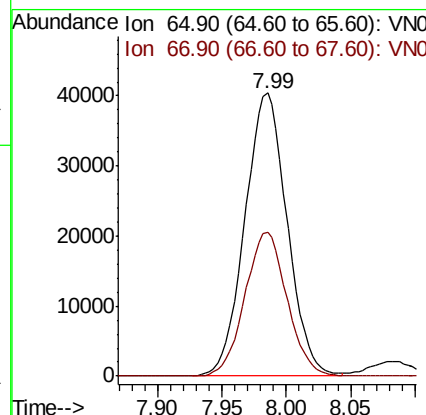
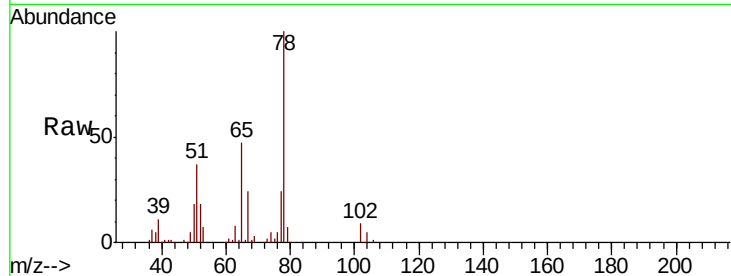




#33
 1,2-Dichloroethane-d4
 Concen: 48.327 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

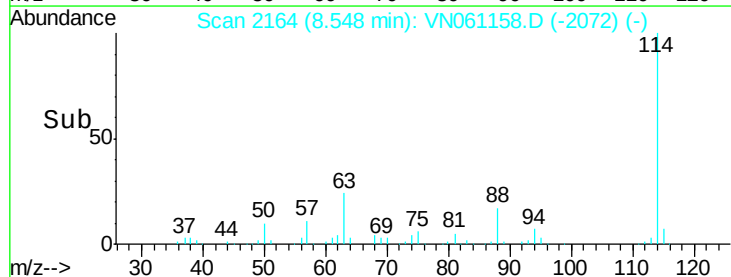
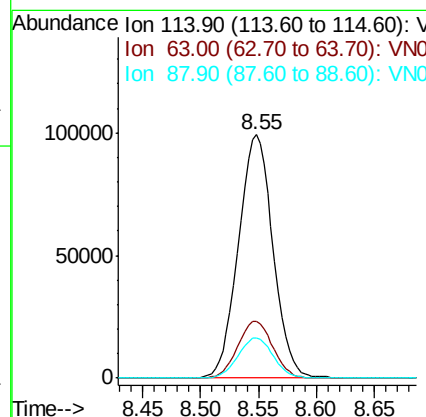
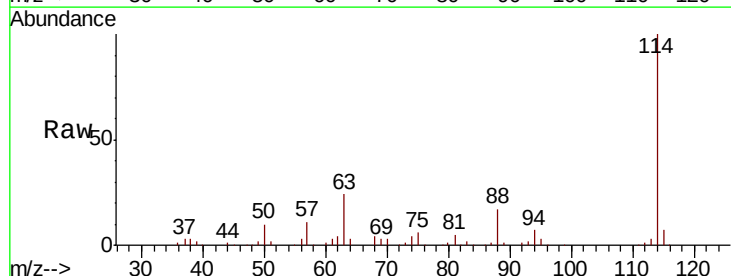
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

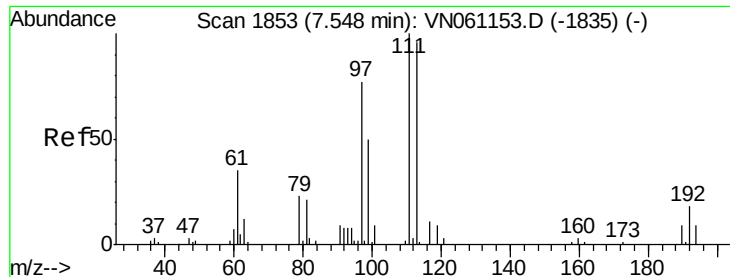
Tot Ion: 65 Resp: 92330
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 114 Resp: 205191
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 16.7 0.0 33.4

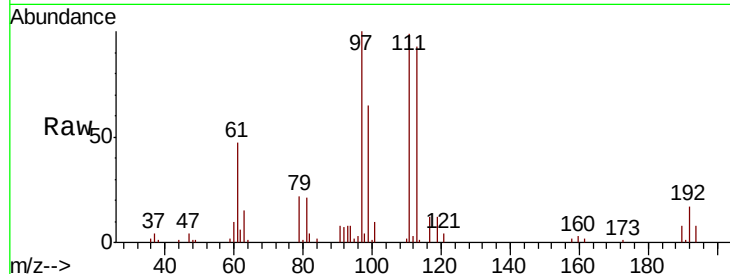




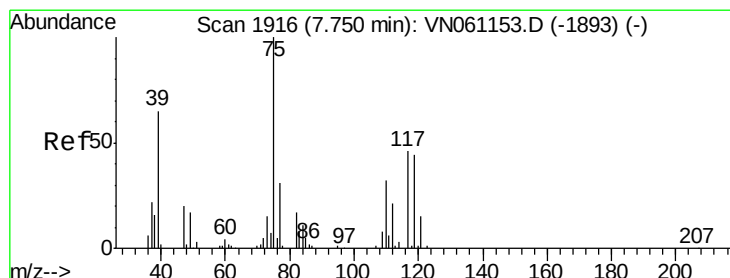
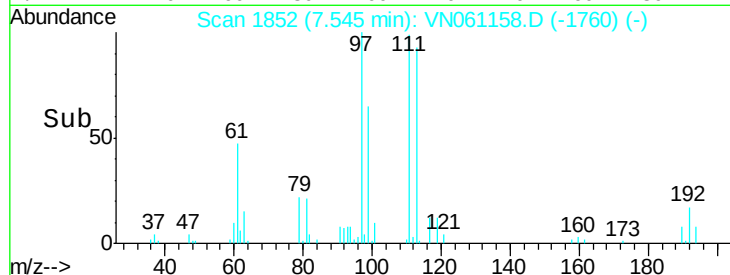
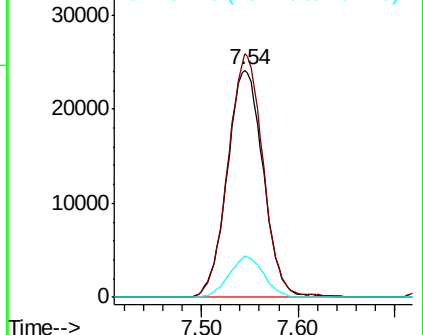
#35
 Dibromofluoromethane
 Concen: 51.546 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 62543
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 17.3 14.7 22.1

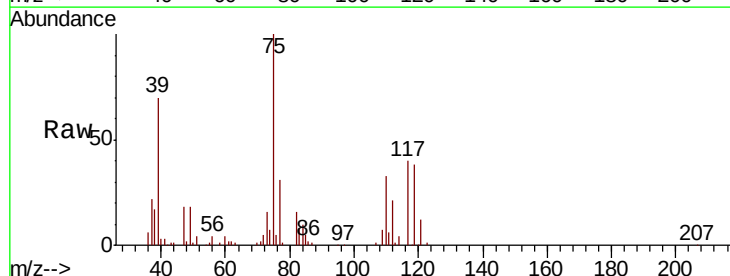


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

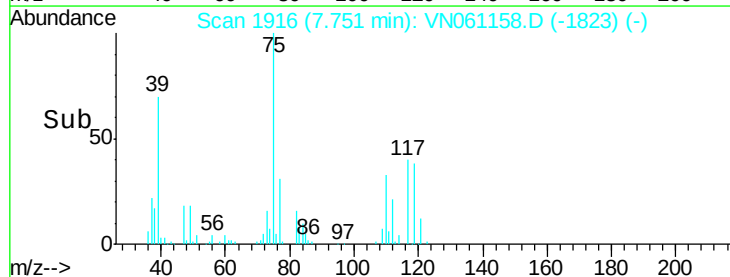
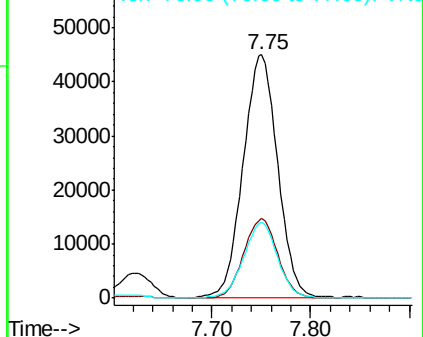


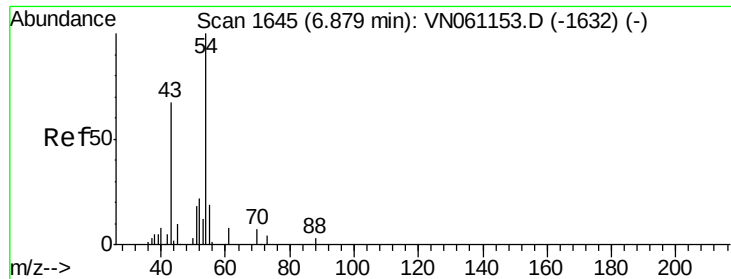
#36
 1,1-Dichloropropene
 Concen: 53.155 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 75 Resp: 109184
 Ion Ratio Lower Upper
 75 100
 110 31.9 16.0 48.0
 77 30.6 24.6 37.0



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

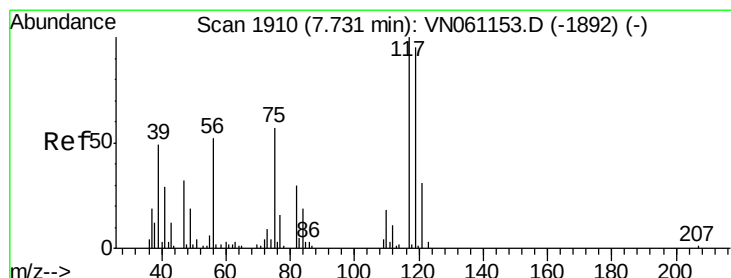
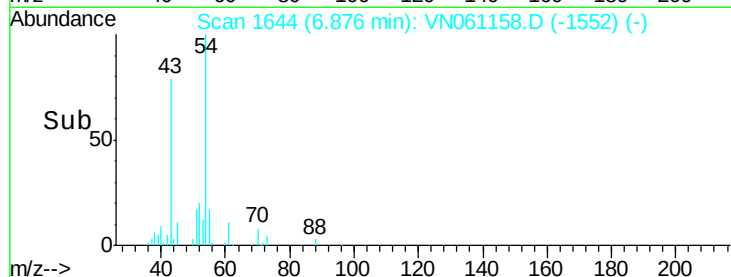
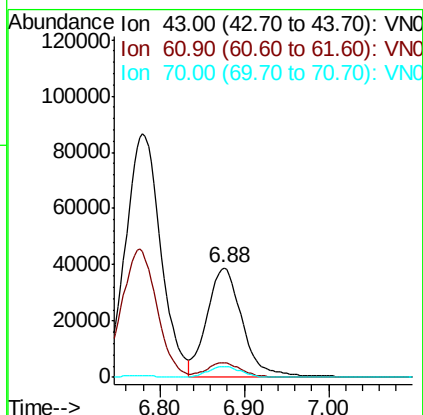
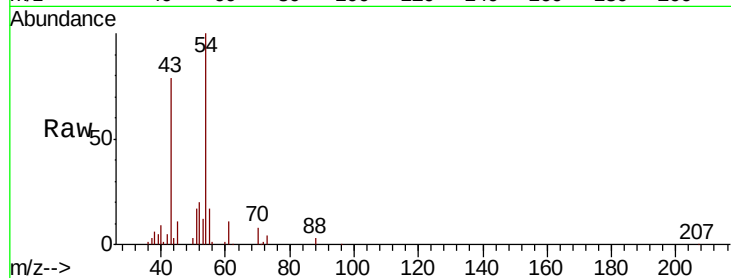




#37
Ethyl Acetate
Concen: 46.502 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

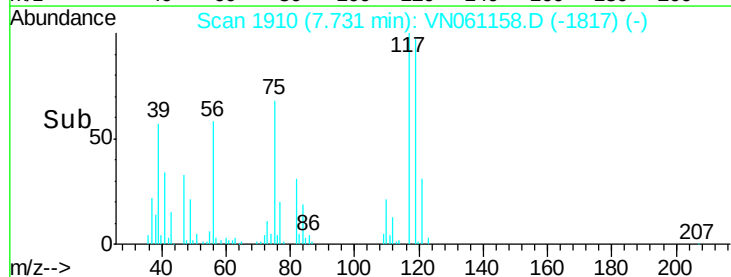
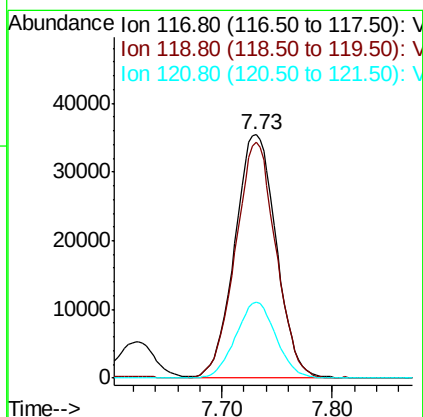
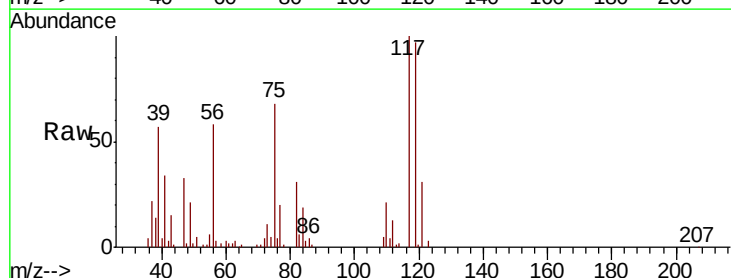
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

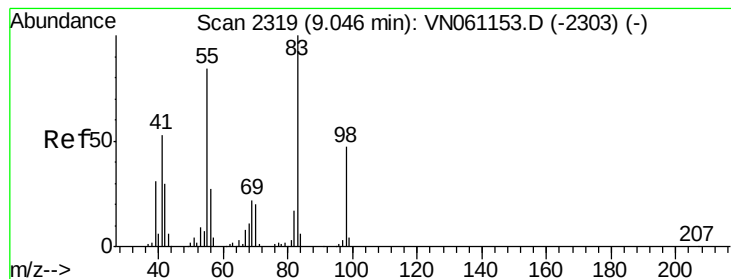
Tot Ion: 43 Resp: 111978
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 56.279 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 117 Resp: 92445
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.6
121 31.4 24.7 37.1





#39

Methylvlcyclohexane

Concen: 51.805 ug/l

RT: 9.05 min Scan# 2319

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

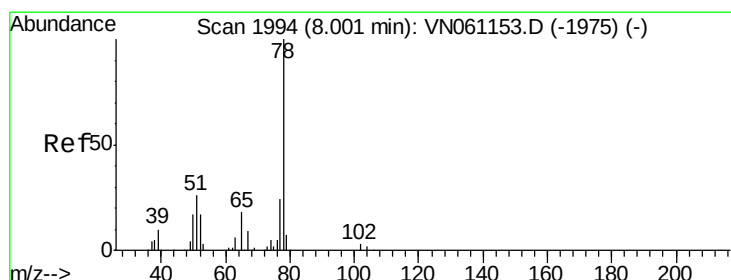
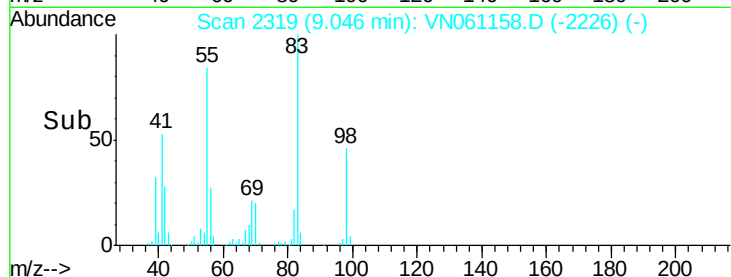
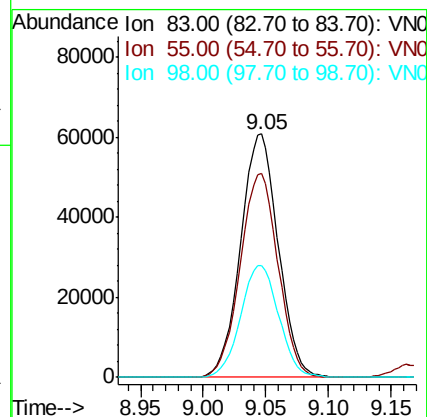
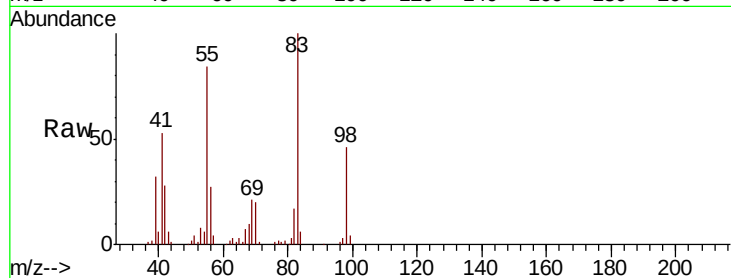
Tot Ion: 83 Resp: 126696

Ion Ratio Lower Upper

83 100

55 83.8 67.3 100.9

98 46.0 37.7 56.5



#40

Benzene

Concen: 50.608 ug/l

RT: 8.00 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VN061158.D

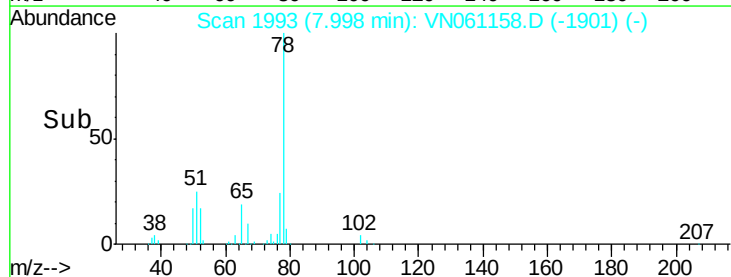
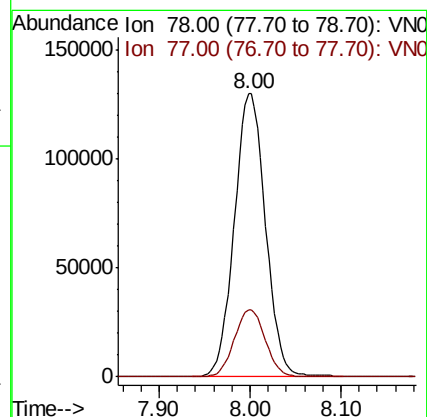
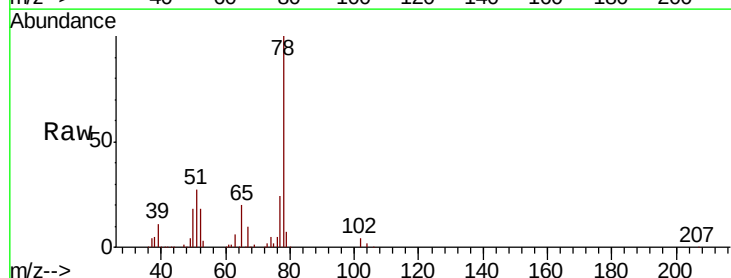
Acq: 28 Apr 2020 12:45

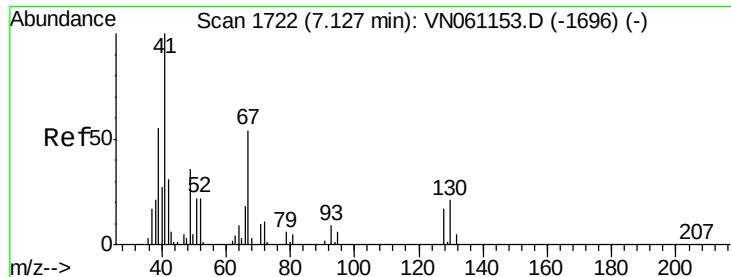
Tgt Ion: 78 Resp: 309700

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

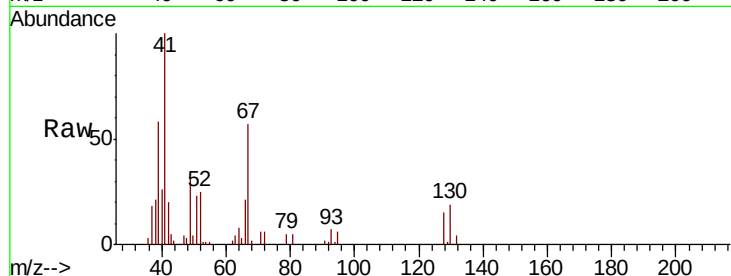




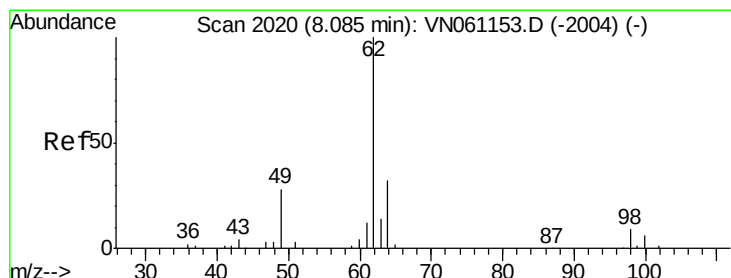
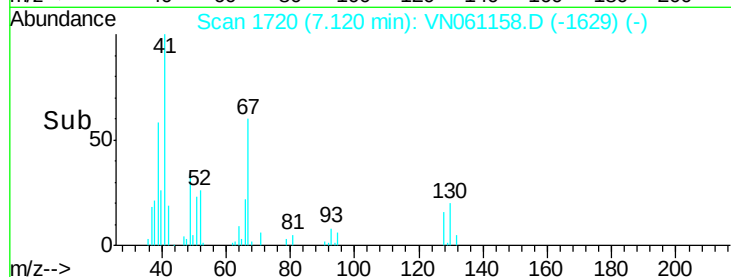
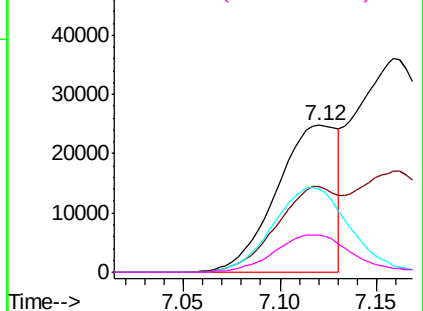
#41
Methacrylonitrile
Concen: 54.333 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	54323
Ion	Ratio	Lower	Upper
41	100		
39	56.6	0.0	0.0#
67	72.9	0.0	0.0#
52	32.6	0.0	0.0#

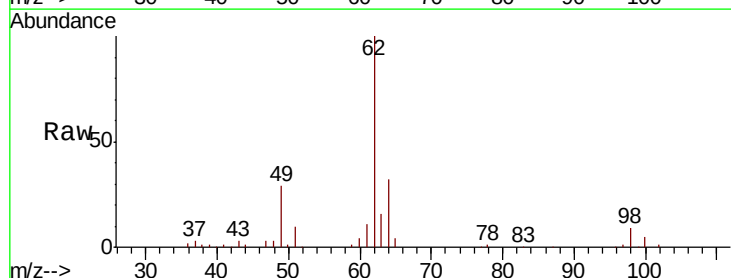


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

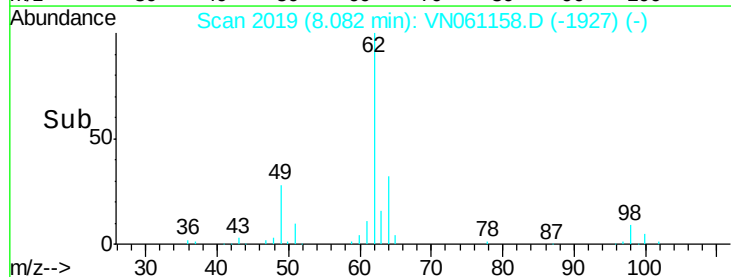
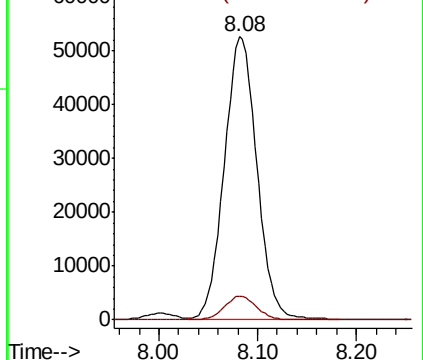


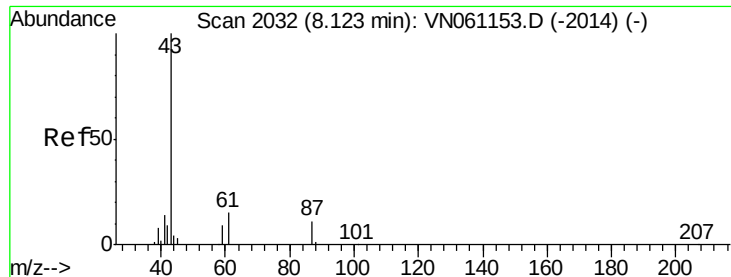
#42
1,2-Dichloroethane
Concen: 52.544 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion:	62	Resp:	121813
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 49.117 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

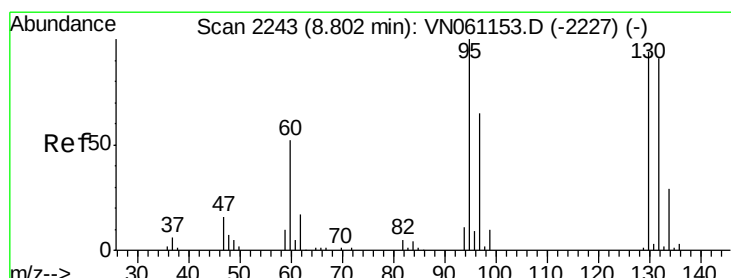
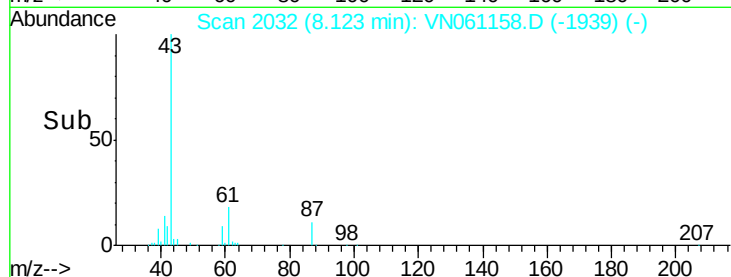
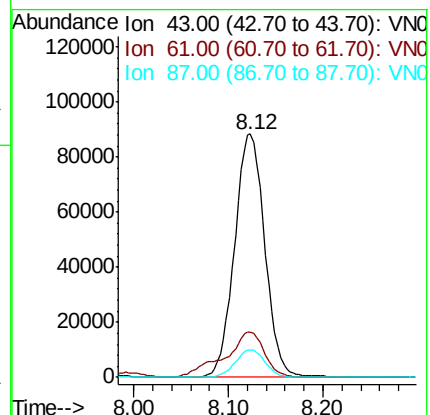
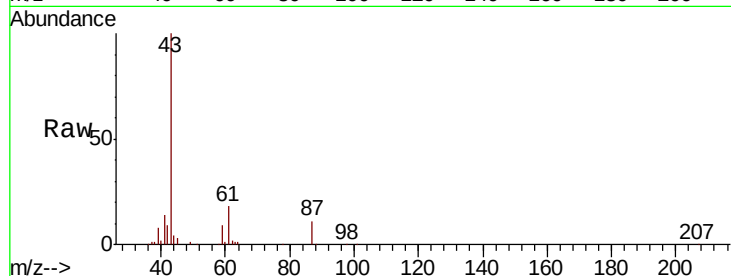
Tot Ion: 43 Resp: 196290

Ion Ratio Lower Upper

43 100

61 24.6 19.5 29.3

87 11.2 8.9 13.3



#44

Trichloroethene

Concen: 50.783 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061158.D

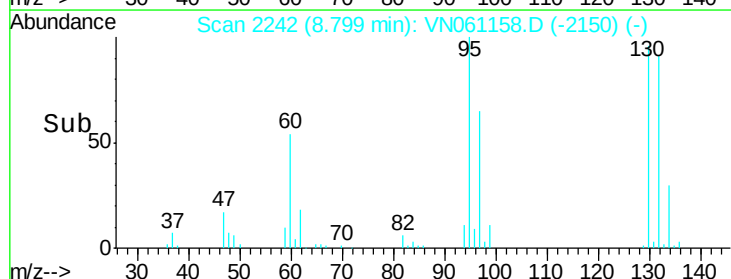
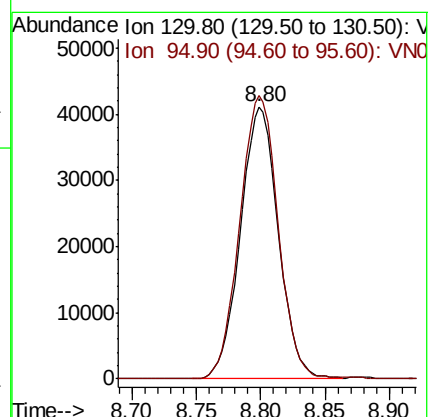
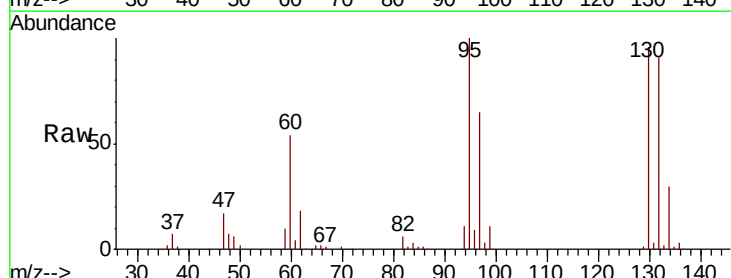
Acq: 28 Apr 2020 12:45

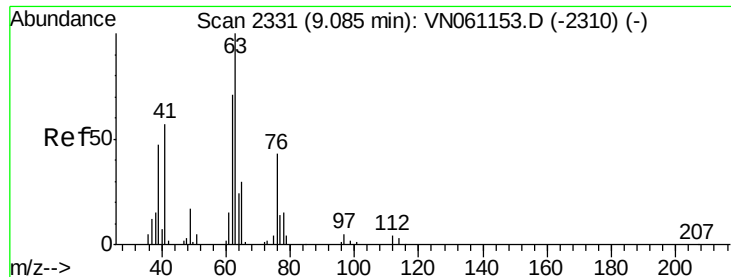
Tgt Ion:130 Resp: 84010

Ion Ratio Lower Upper

130 100

95 103.9 0.0 212.4

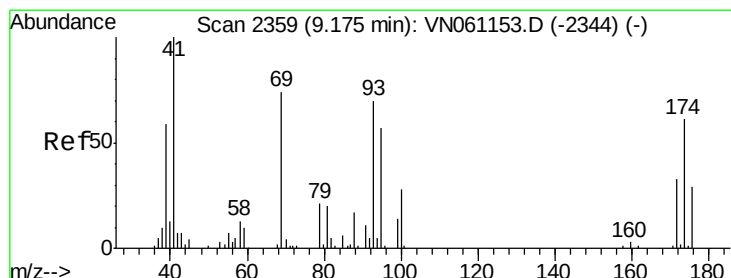
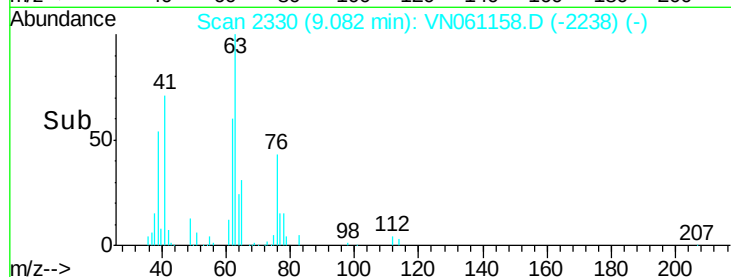
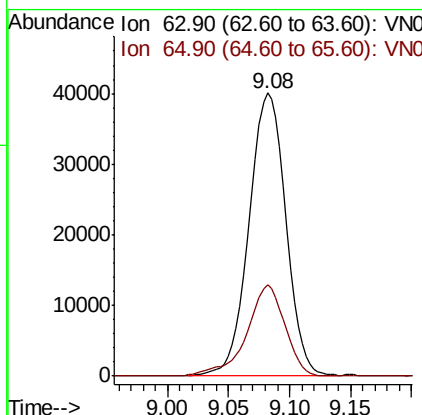
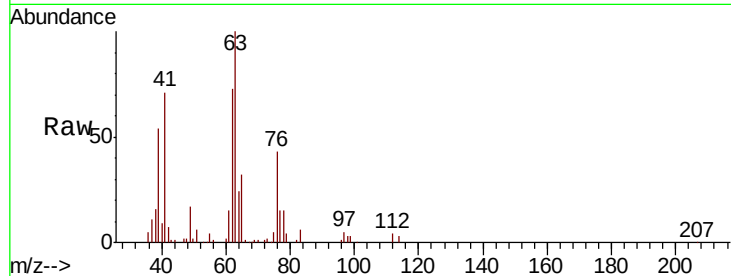




#45
 1,2-Dichloropropane
 Concen: 51.211 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

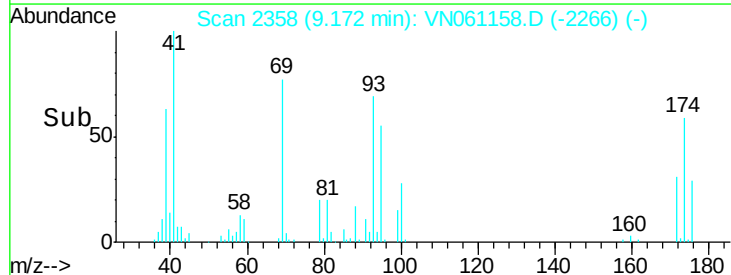
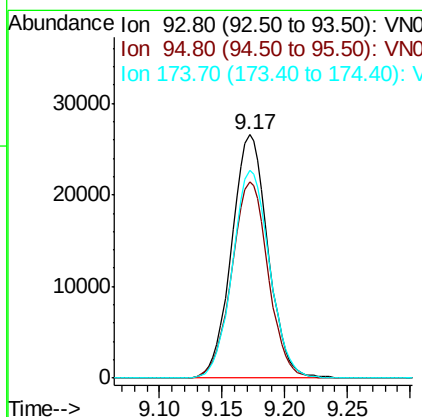
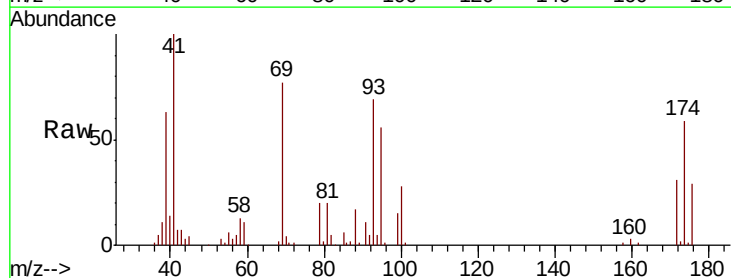
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

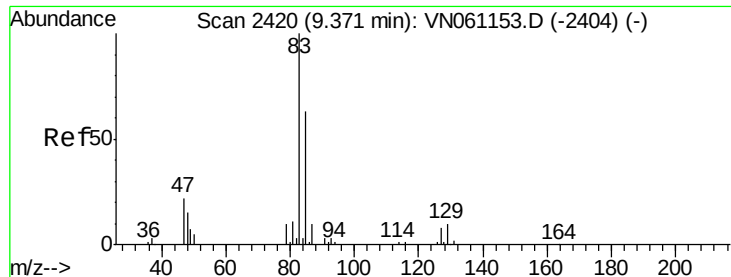
Tot Ion: 63 Resp: 83725
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1



#46
 Dibromomethane
 Concen: 52.860 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 93 Resp: 53509
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.6 99.8
 174 87.1 70.2 105.2





#47

Bromodichloromethane

Concen: 52.432 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

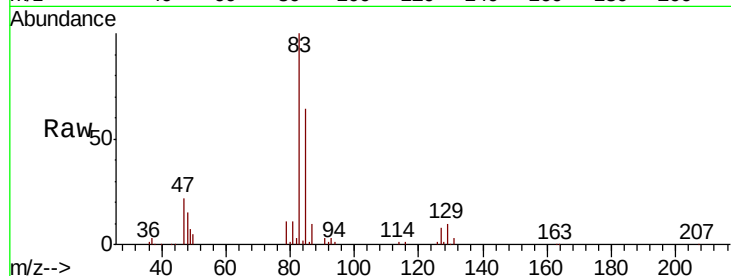
Tot Ion: 83 Resp: 113921

Ion Ratio Lower Upper

83 100

85 64.3 50.4 75.6

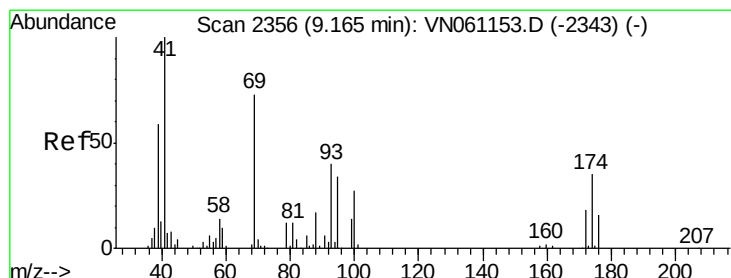
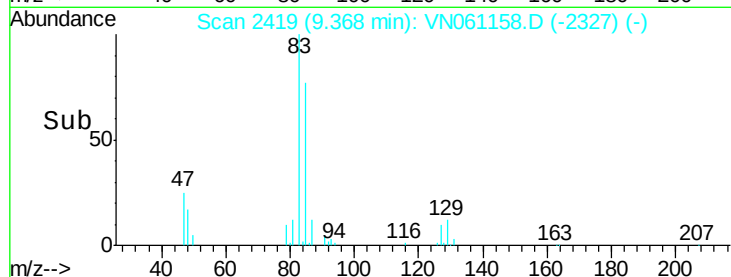
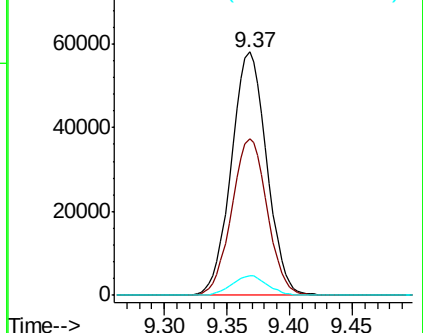
127 8.1 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061158.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061158.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061158.D (-2404) (-)



#48

Methyl methacrylate

Concen: 48.830 ug/l

RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

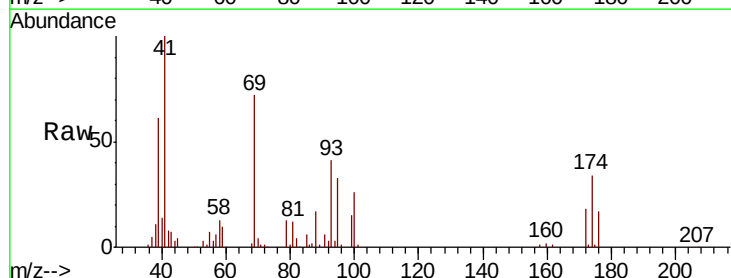
Tgt Ion: 41 Resp: 88059

Ion Ratio Lower Upper

41 100

69 76.0 60.3 90.5

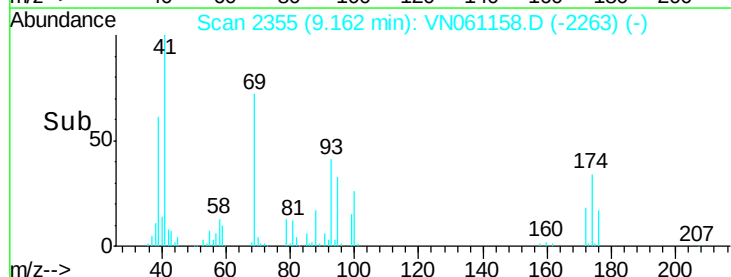
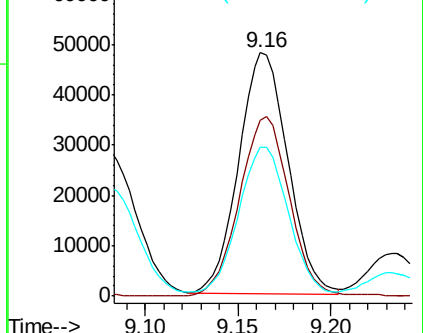
39 60.7 47.4 71.0

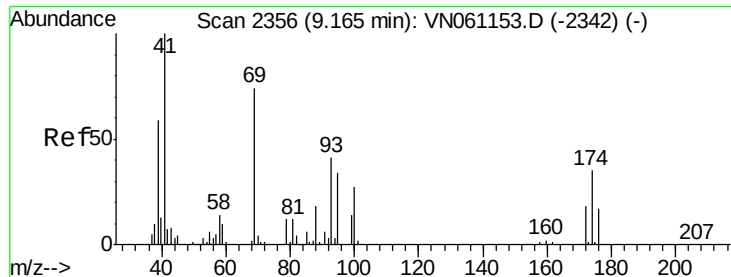


Abundance Ion 41.00 (40.70 to 41.70): VN061158.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN061158.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN061158.D (-2355) (-)

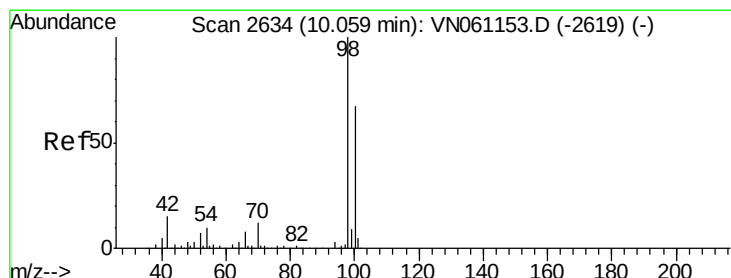
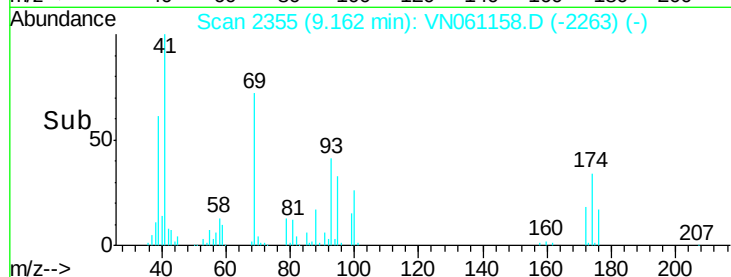
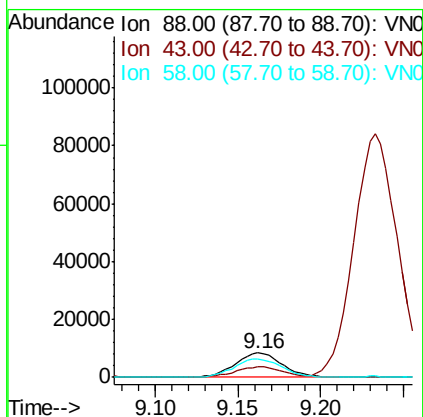
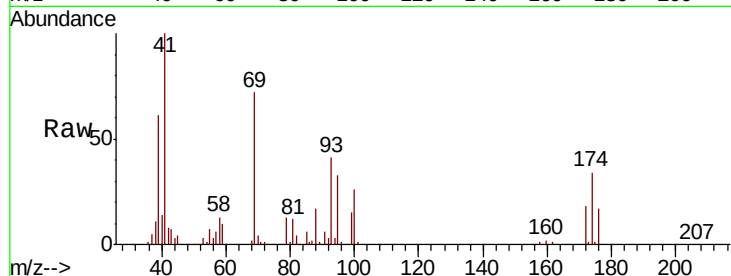




#49
1,4-Dioxane
Concen: 813.651 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

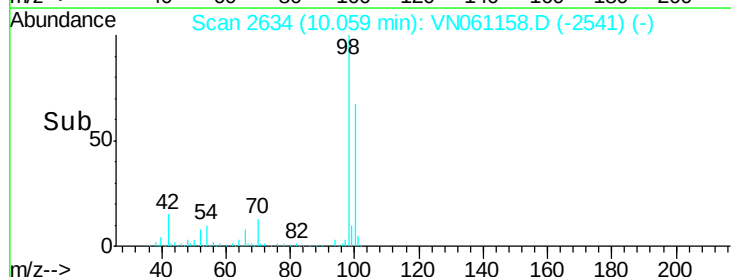
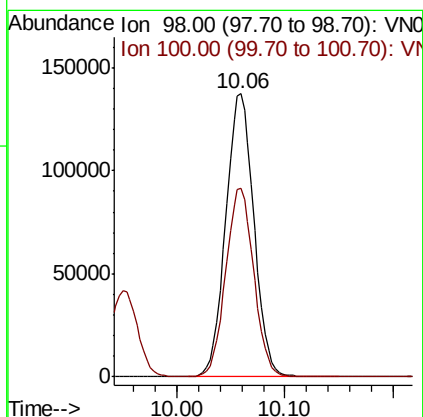
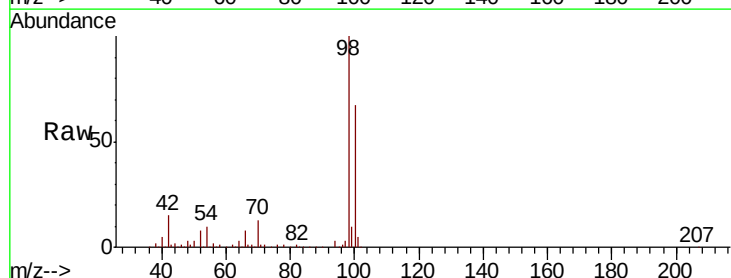
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

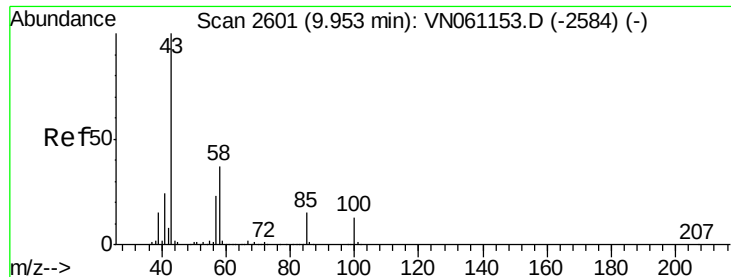
Tot Ion: 88 Resp: 16656
Ion Ratio Lower Upper
88 100
43 43.7 35.3 52.9
58 76.9 61.5 92.3



#50
Toluene-d8
Concen: 50.534 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 98 Resp: 249951
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

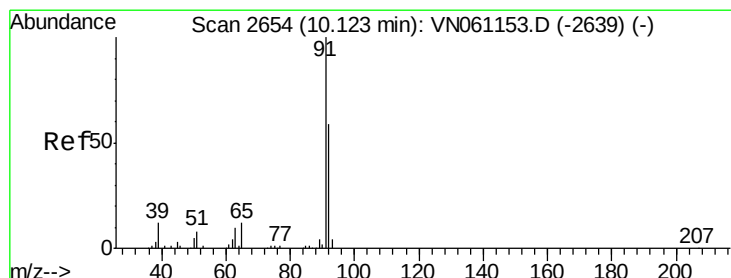
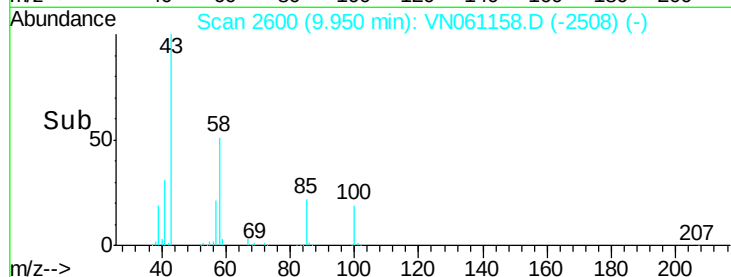
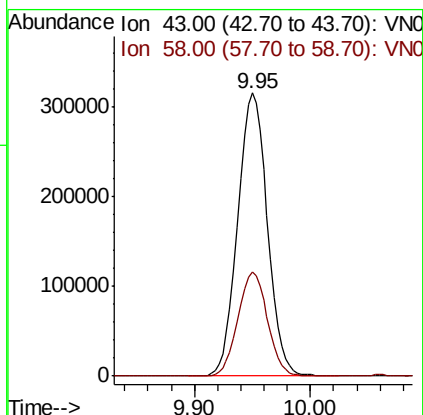
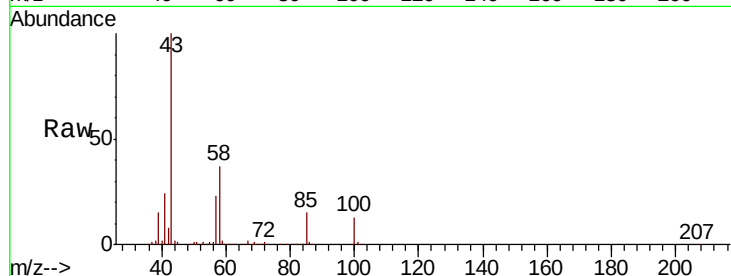




#51
 4-Methyl-2-Pentanone
 Concen: 238.375 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

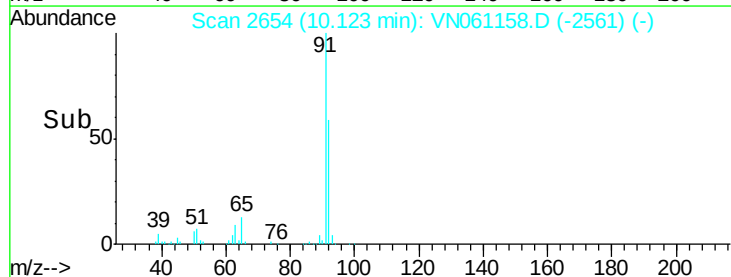
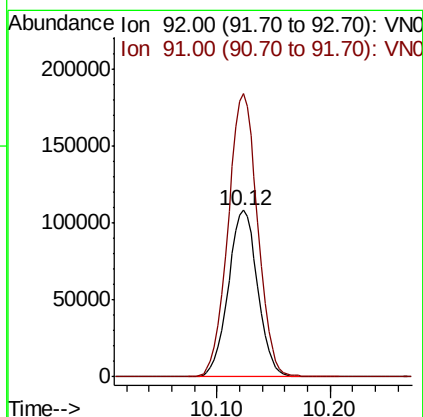
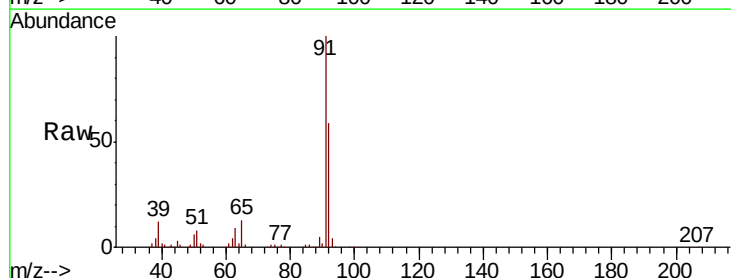
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

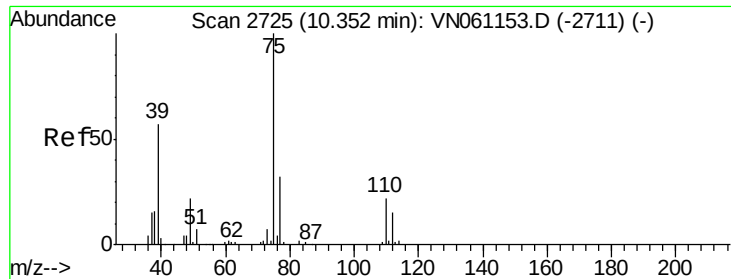
Tot Ion: 43 Resp: 560743
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.1 43.7



#52
 Toluene
 Concen: 53.011 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 92 Resp: 195397
 Ion Ratio Lower Upper
 92 100
 91 171.1 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 53.542 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

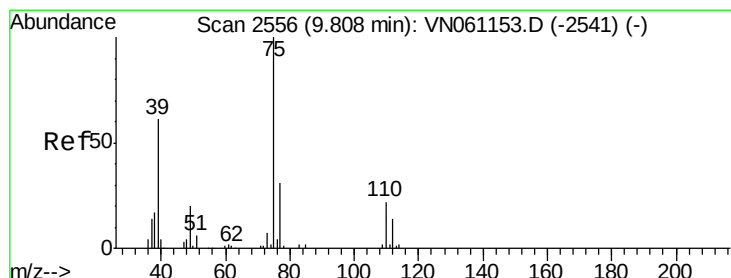
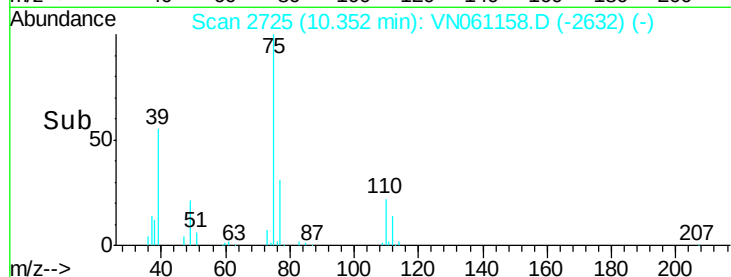
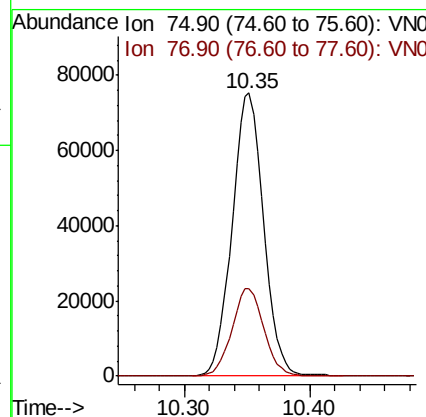
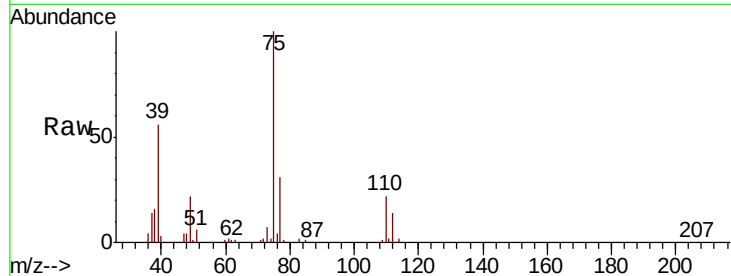
VSTDCCC050

Tot Ion: 75 Resp: 131083

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 53.246 ug/l

RT: 9.81 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

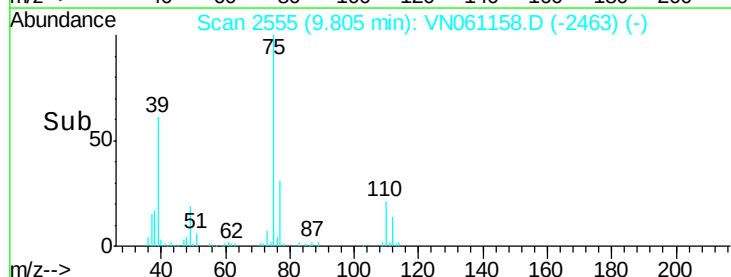
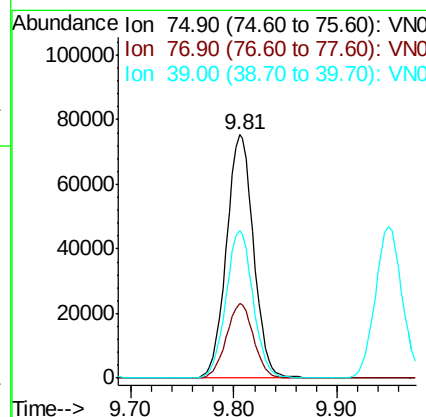
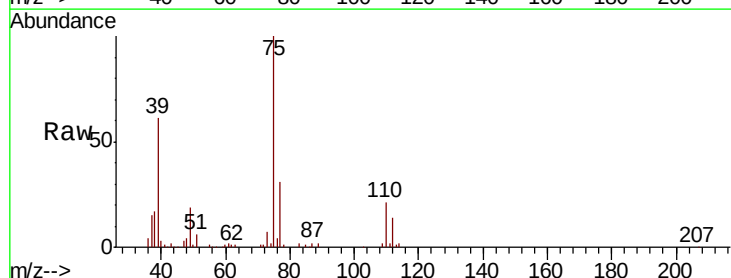
Tgt Ion: 75 Resp: 137815

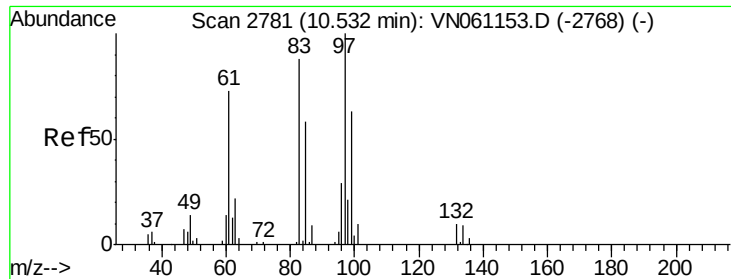
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

39 60.8 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 51.120 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

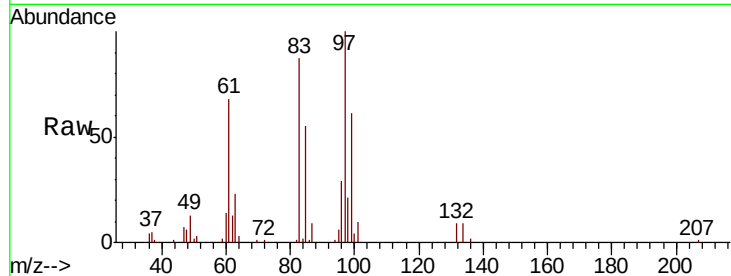
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 75159

Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.6	106.0
85	54.9	46.4	69.6
99	61.2	50.6	75.8



Abundance

Ion 96.90 (96.60 to 97.60): VN0

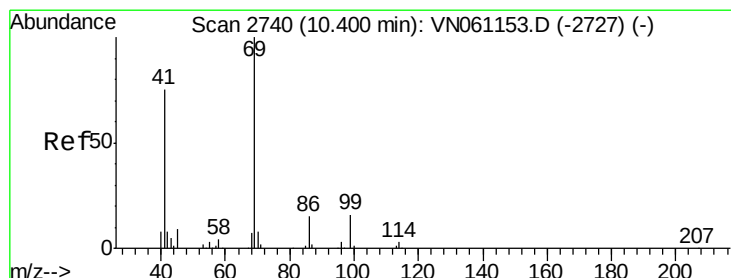
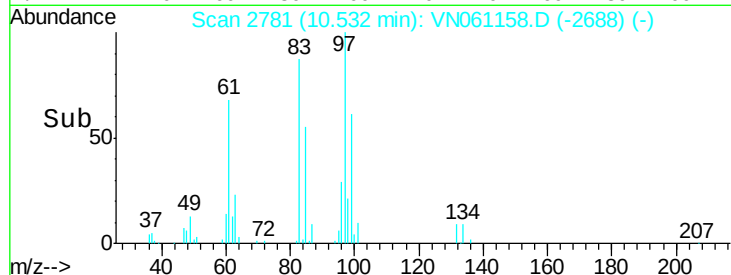
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.53

Time-->



#56

Ethyl methacrylate

Concen: 46.328 ug/l

RT: 10.40 min Scan# 2740

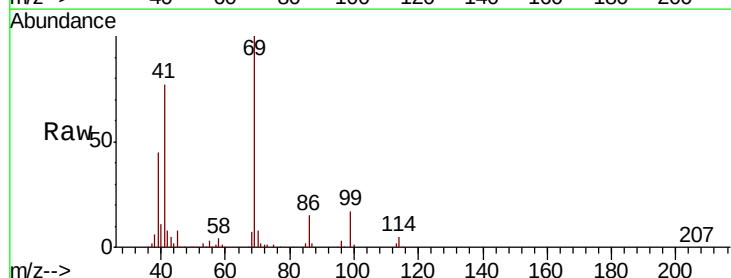
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion: 69 Resp: 118149

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.3	90.5
39	45.6	35.9	53.9



Abundance

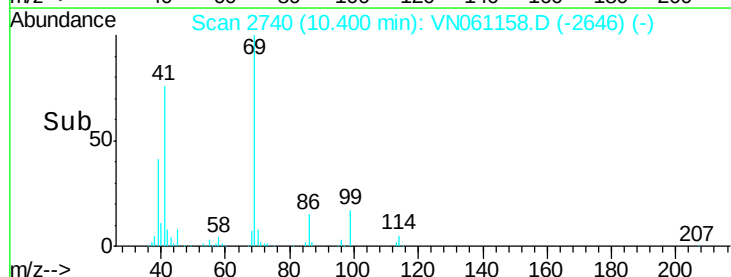
Ion 69.00 (68.70 to 69.70): VN0

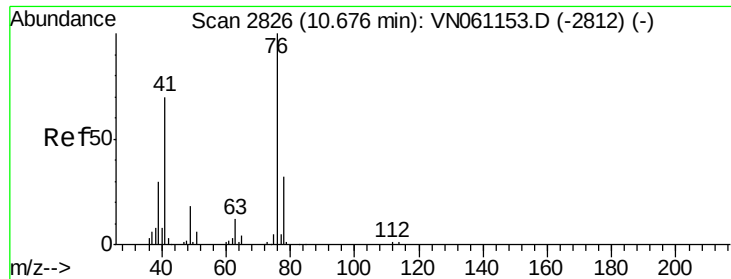
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->





#57

1,3-Dichloropropane

Concen: 51.706 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

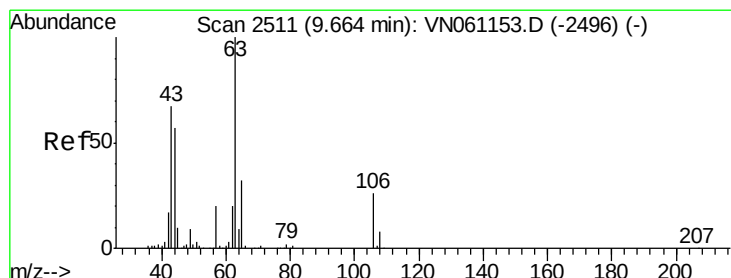
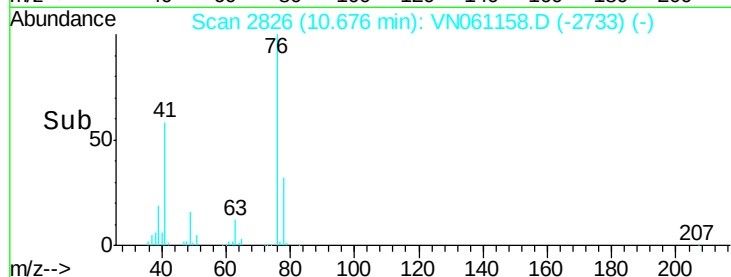
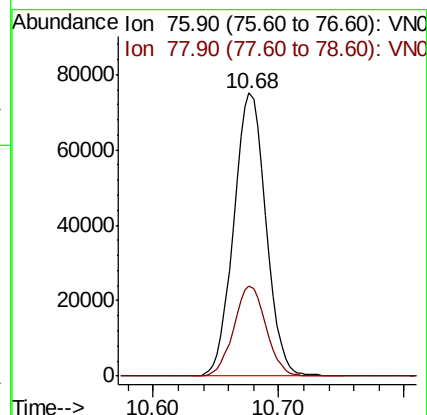
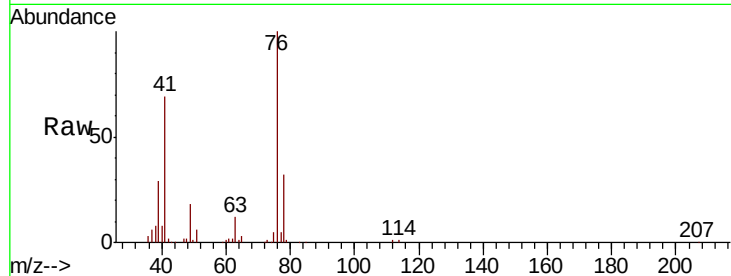
VSTDCCC050

Tot Ion: 76 Resp: 133624

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 227.643 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061158.D

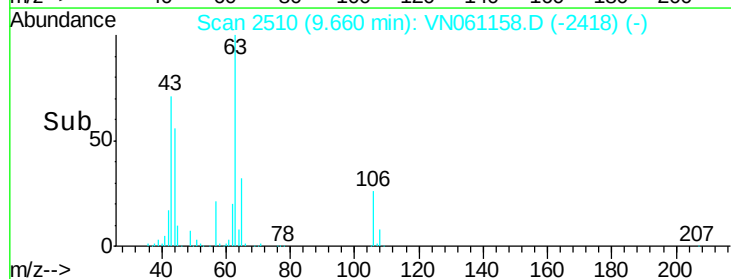
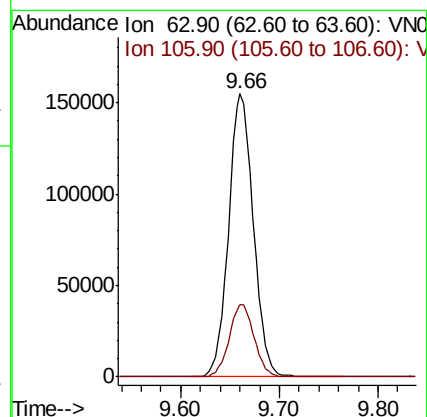
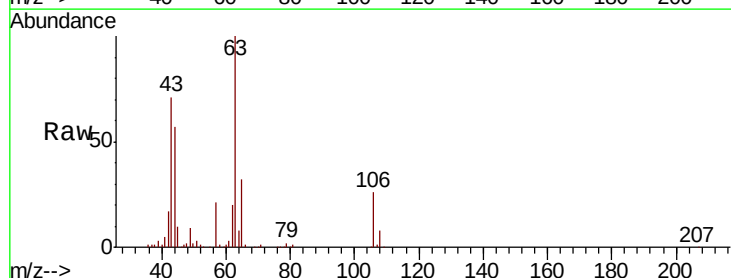
Acq: 28 Apr 2020 12:45

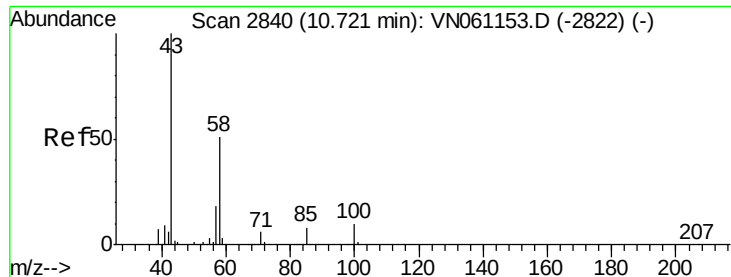
Tgt Ion: 63 Resp: 270912

Ion Ratio Lower Upper

63 100

106 25.7 20.6 30.8

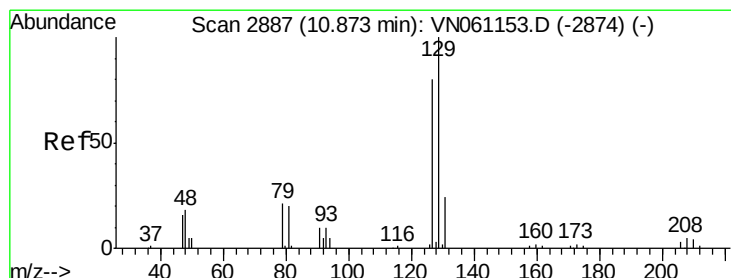
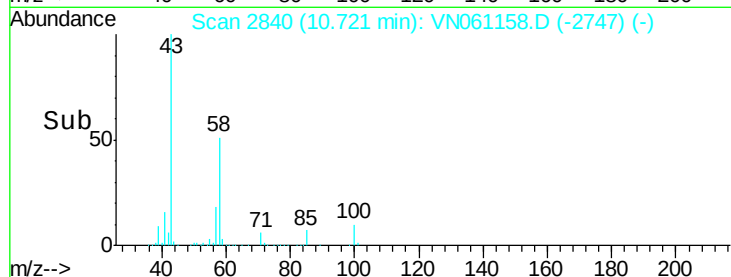
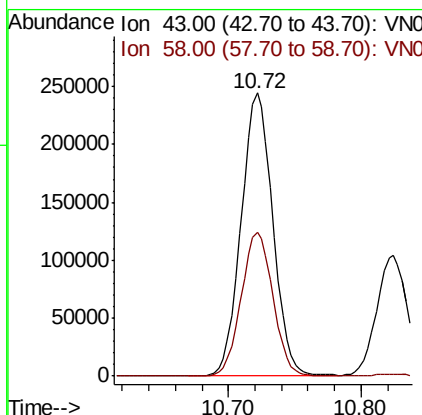
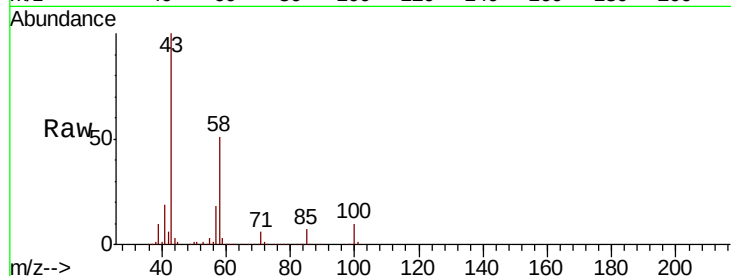




#59
2-Hexanone
Concen: 236.672 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

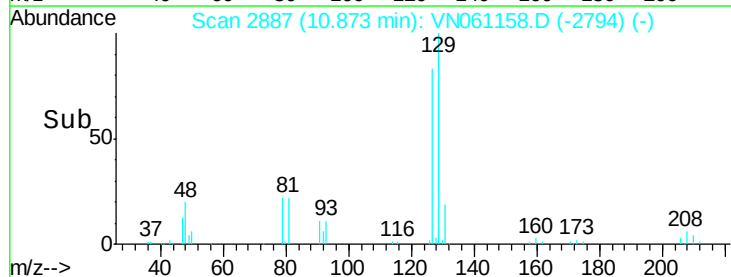
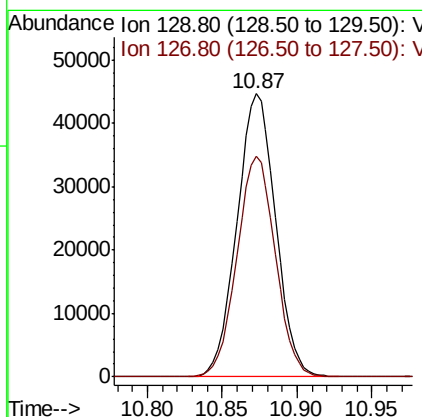
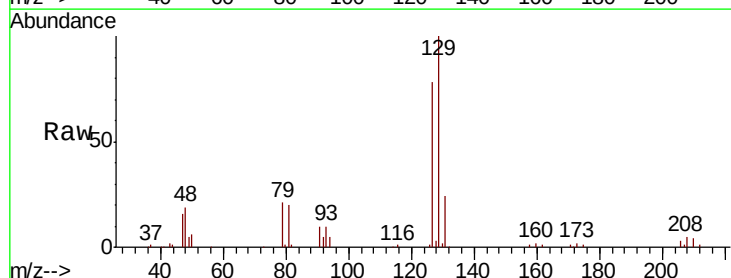
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

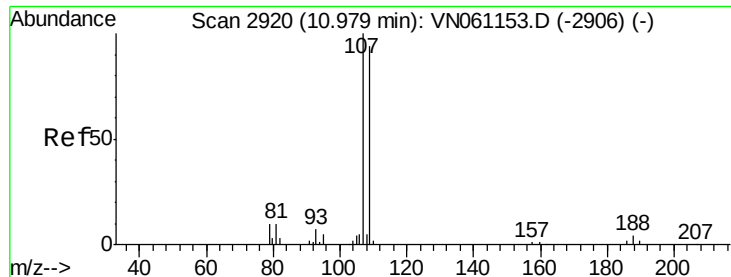
Tot Ion: 43 Resp: 405037
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4



#60
Dibromochloromethane
Concen: 52.172 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 129 Resp: 80337
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8

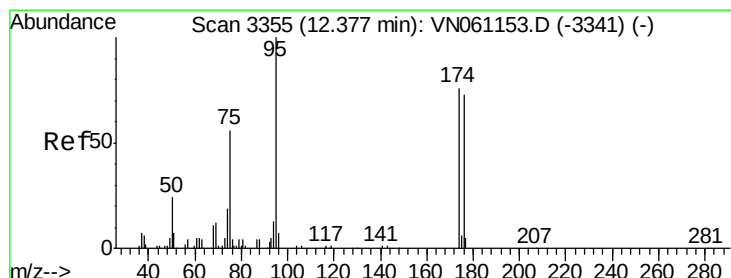
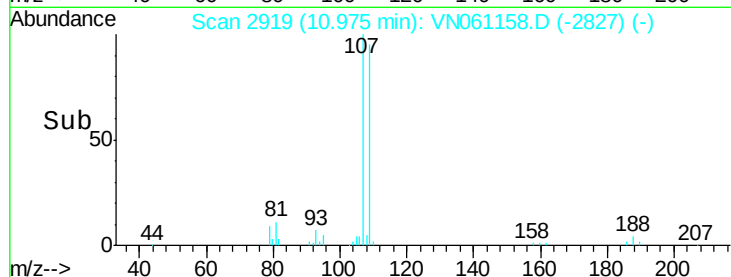
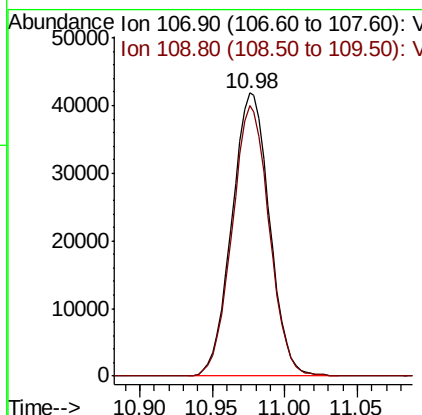
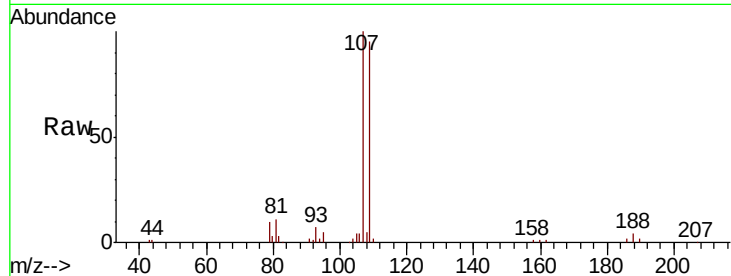




#61
 1,2-Dibromoethane
 Concen: 51.265 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

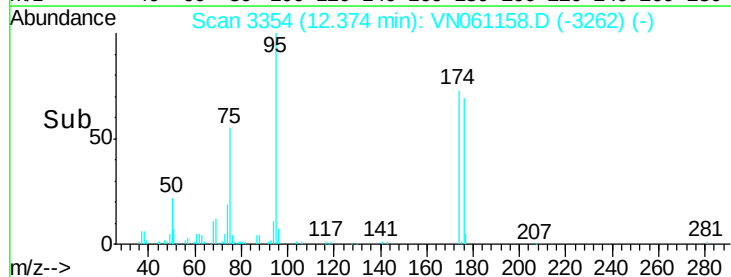
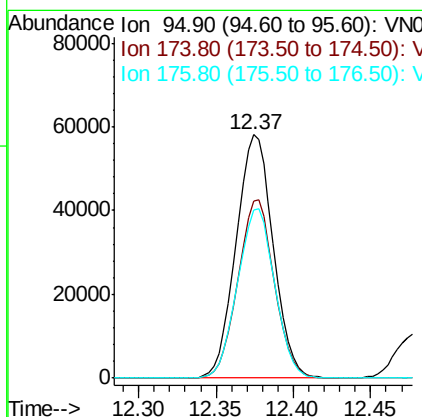
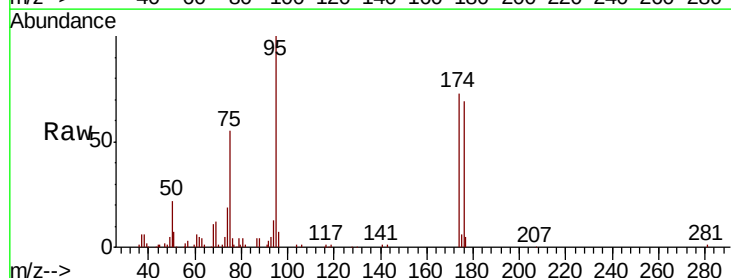
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

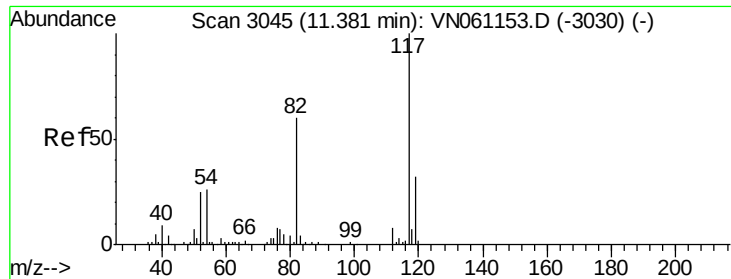
Tot Ion:107 Resp: 75545
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 52.019 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 95 Resp: 96825
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 149.4
 176 69.5 0.0 144.8

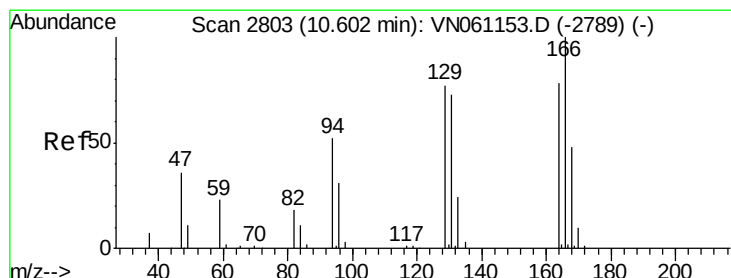
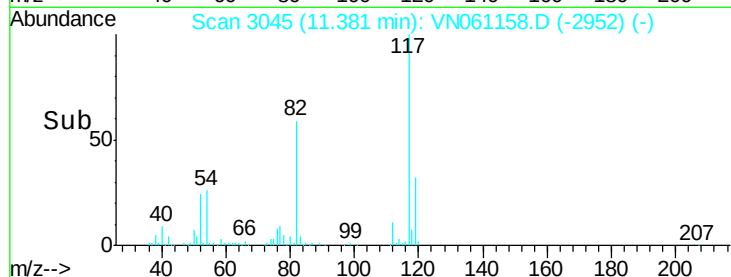
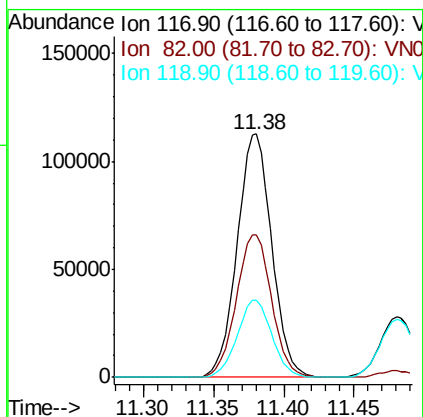
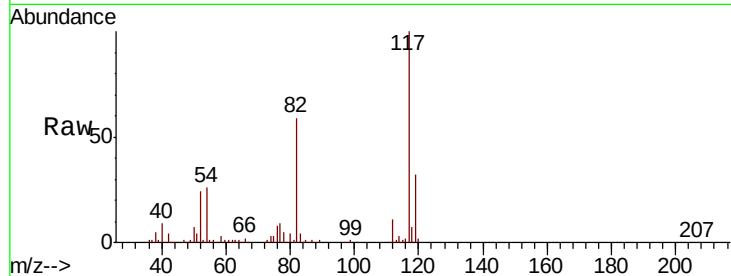




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

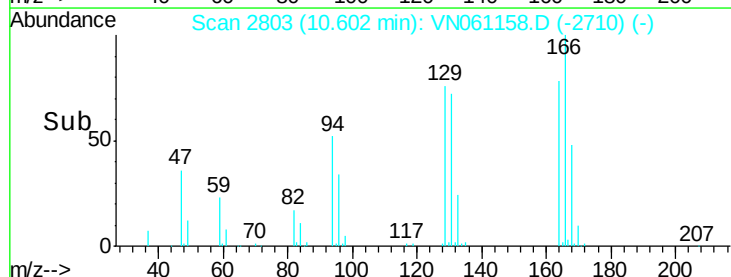
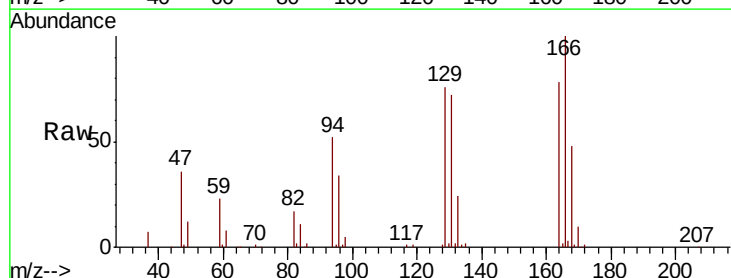
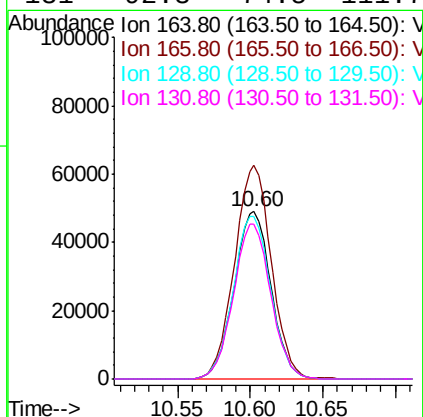
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

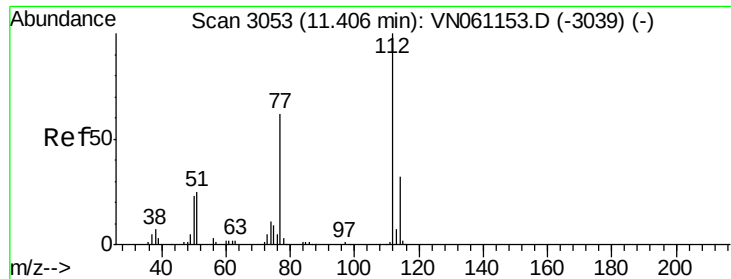
Tot Ion:117 Resp: 193817
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.8
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 51.630 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion:164 Resp: 86670
Ion Ratio Lower Upper
164 100
166 127.7 102.0 153.0
129 97.3 78.2 117.2
131 92.3 74.5 111.7

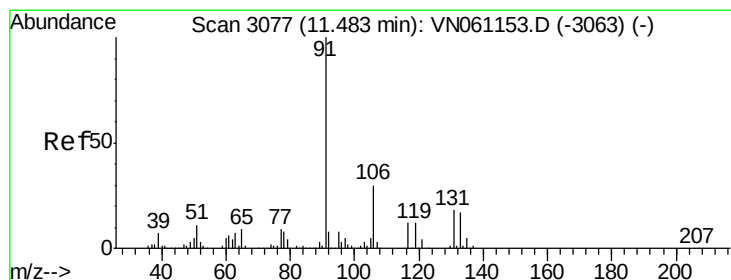
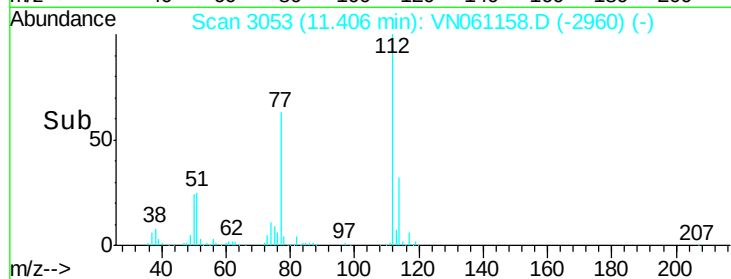
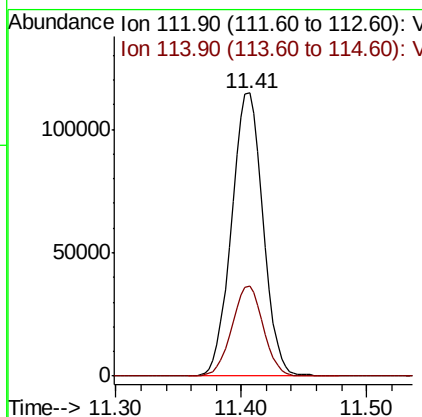
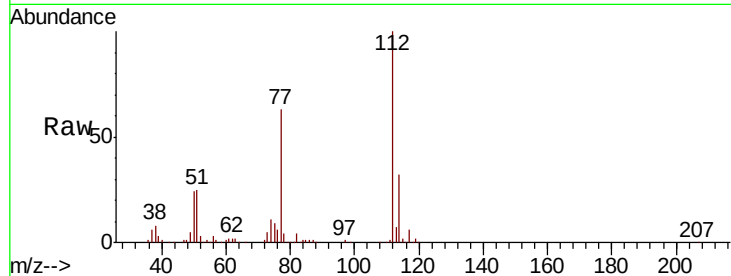




#65
Chlorobenzene
Concen: 52.024 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

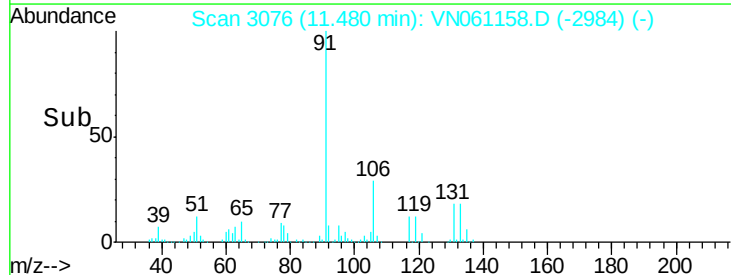
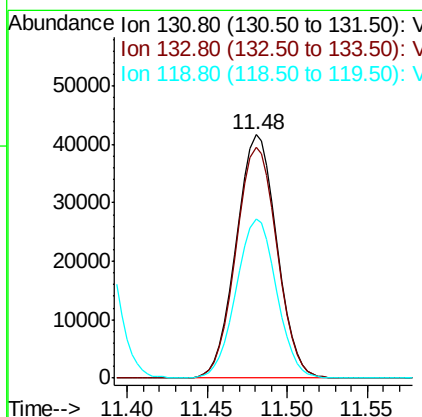
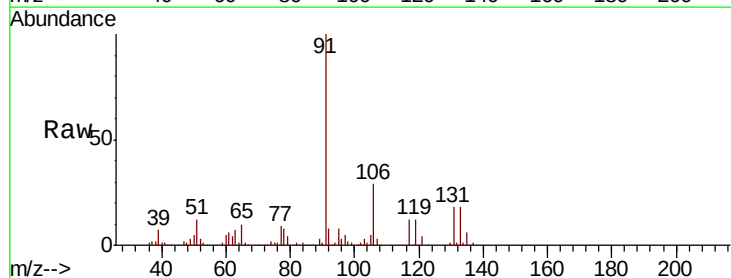
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

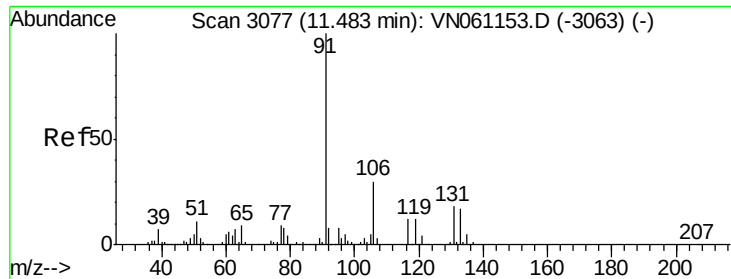
Tot Ion:112 Resp: 200016
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.558 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion:131 Resp: 72322
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 64.6 32.6 97.8





#67

Ethyl Benzene

Concen: 53.538 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

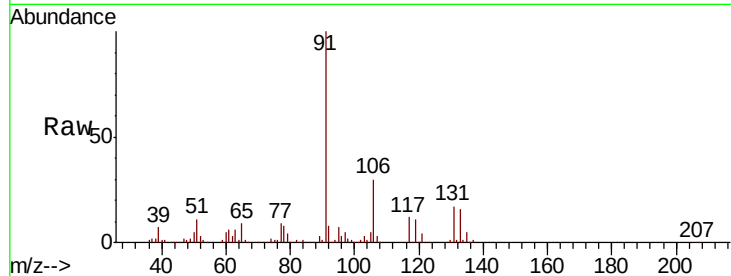
VSTDCCC050

Tot Ion: 91 Resp: 385321

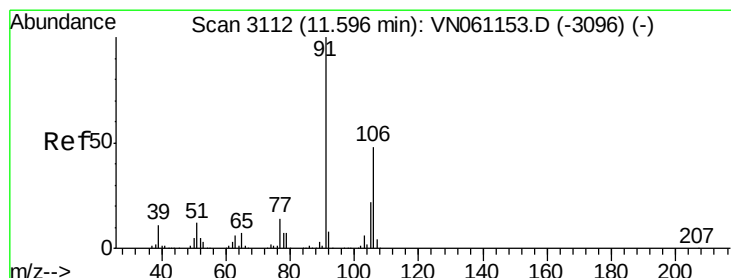
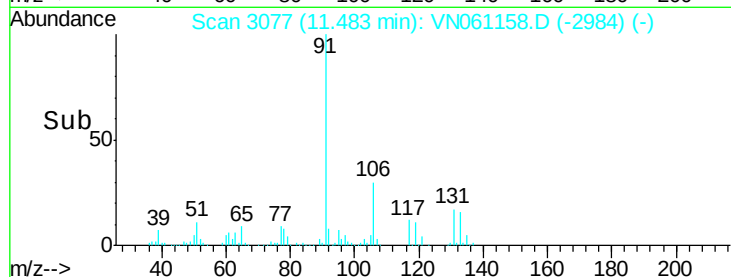
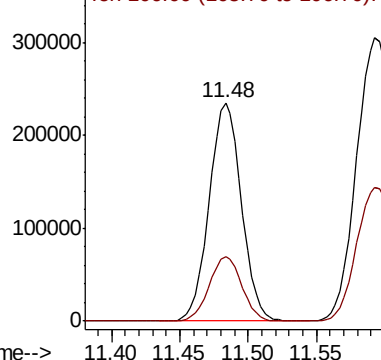
Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061158.D (-3063) (-)



#68

m/p-Xylenes

Concen: 107.139 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061158.D

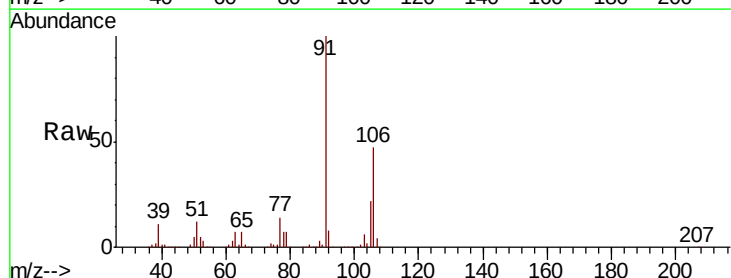
Acq: 28 Apr 2020 12:45

Tgt Ion: 106 Resp: 282246

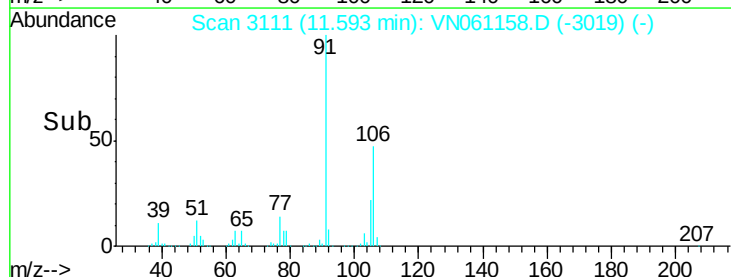
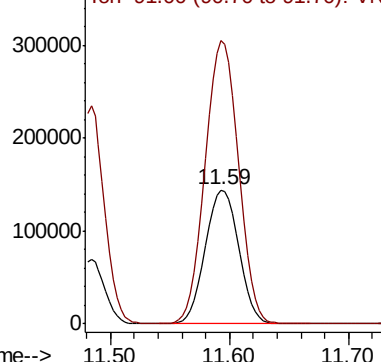
Ion Ratio Lower Upper

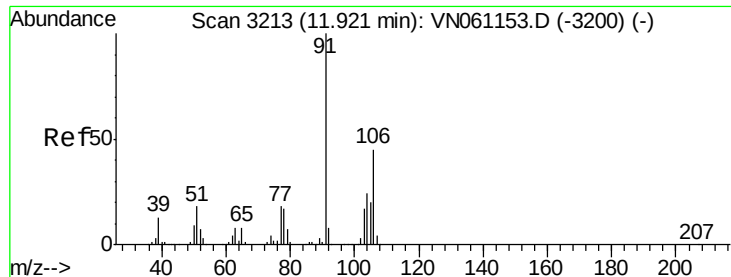
106 100

91 210.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061158.D (-3096) (-)

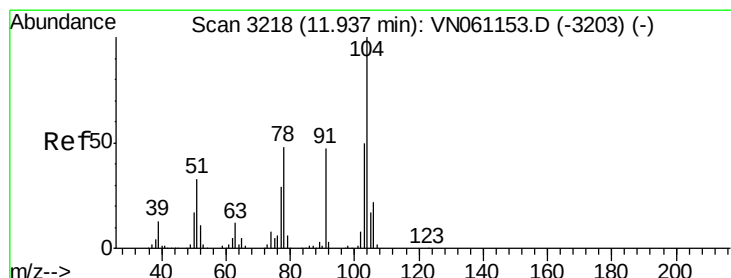
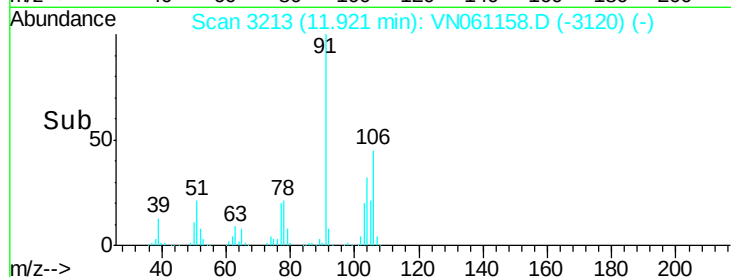
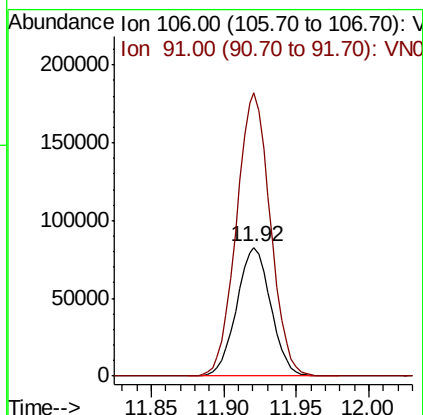
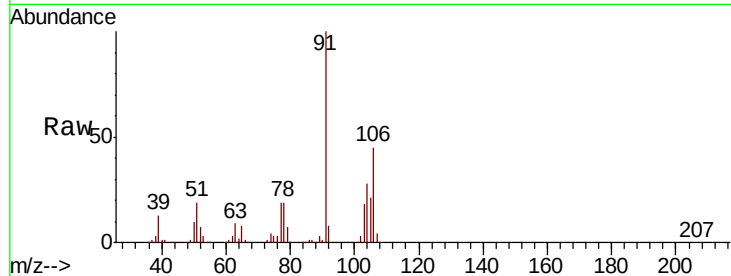




#69
o-Xylene
Concen: 53.395 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

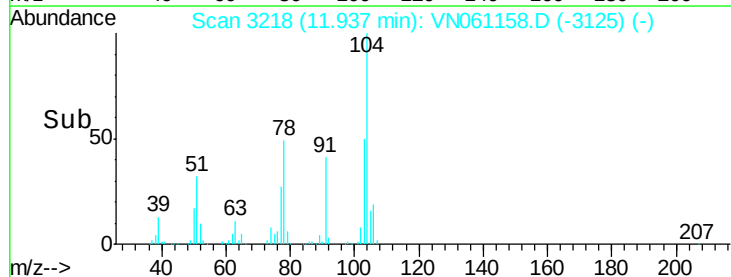
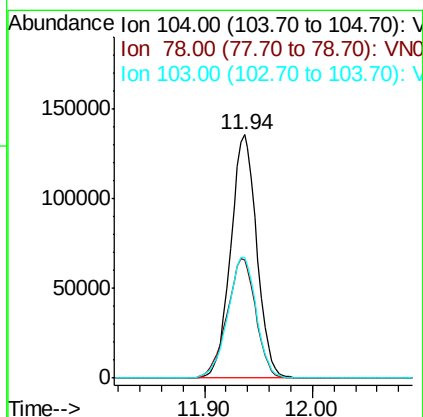
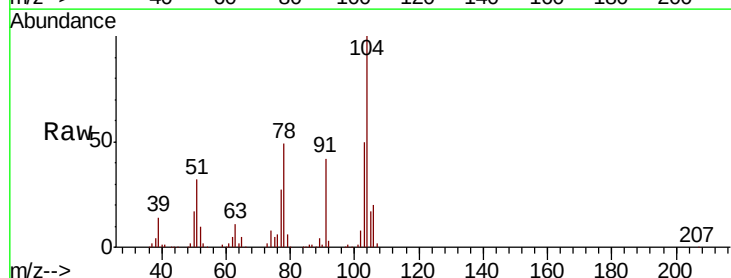
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

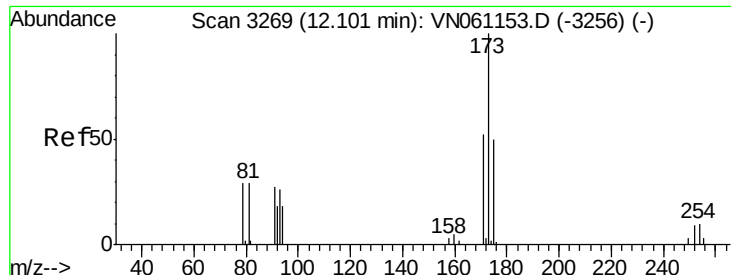
Tot Ion:106 Resp: 135117
Ion Ratio Lower Upper
106 100
91 218.9 109.7 329.0



#70
Styrene
Concen: 54.128 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion:104 Resp: 229246
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 54.3 43.3 64.9





#71

Bromoform

Concen: 51.829 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

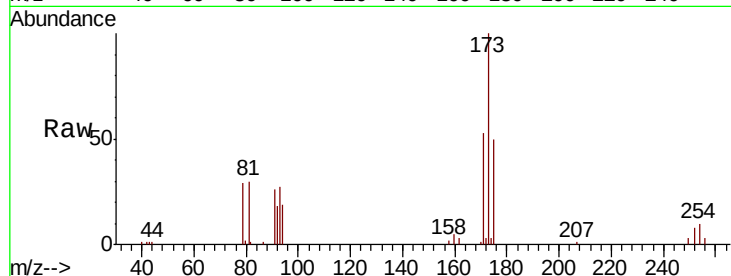
Tot Ion:173 Resp: 52416

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.4

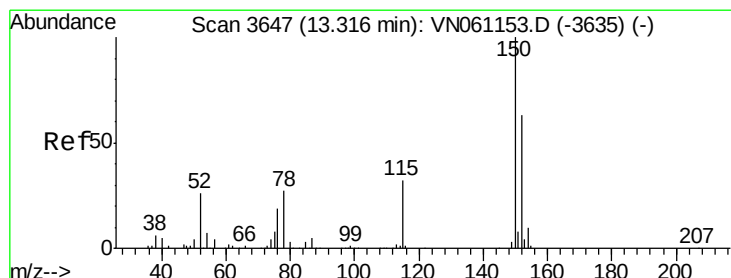
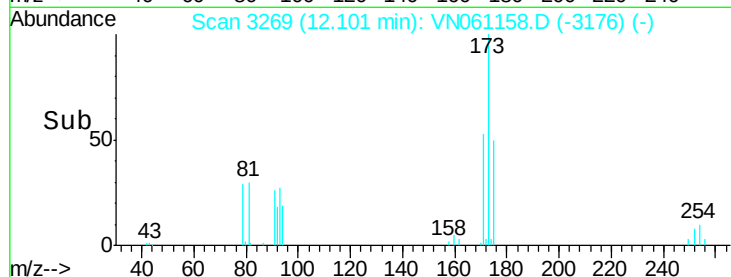
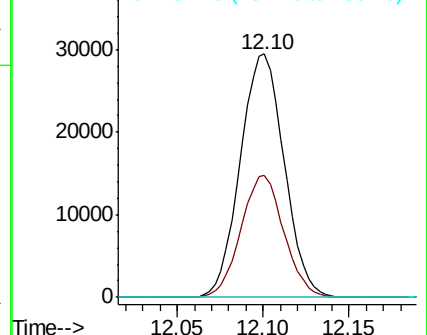
254 0.0 0.0 0.0



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# 3647

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

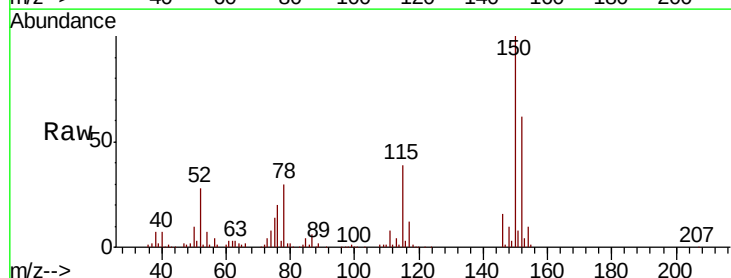
Tgt Ion:152 Resp: 94201

Ion Ratio Lower Upper

152 100

115 62.4 31.0 93.0

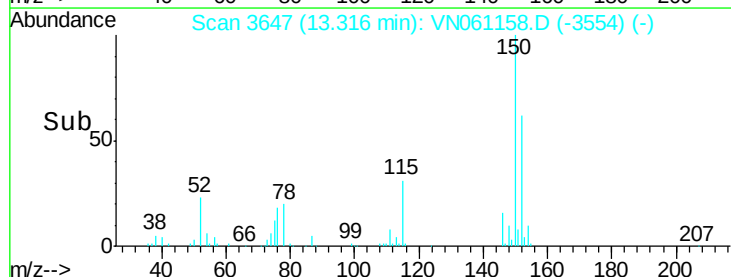
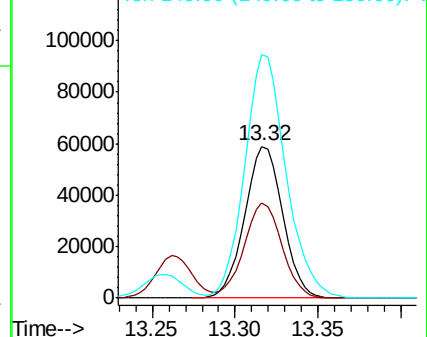
150 174.7 0.0 351.8

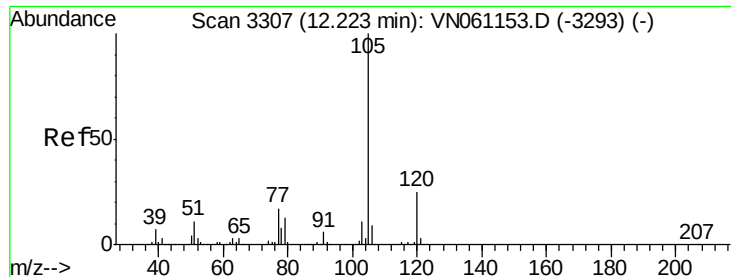


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.490 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

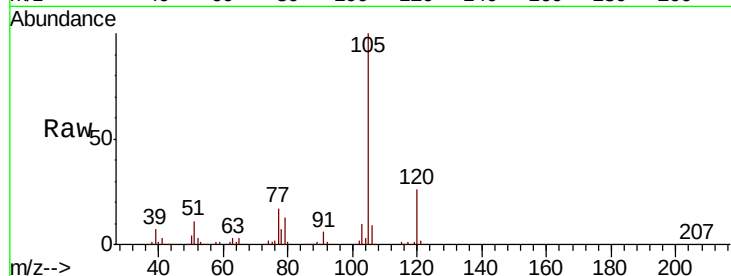
VSTDCCC050

Tot Ion:105 Resp: 370430

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

150000

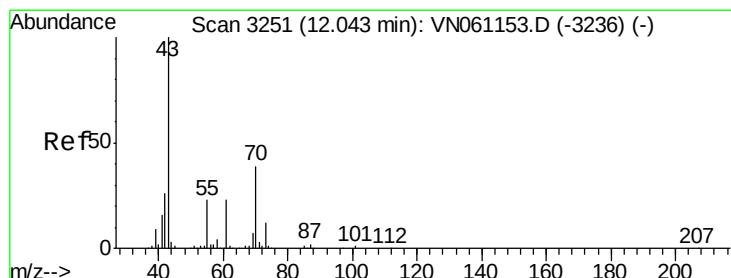
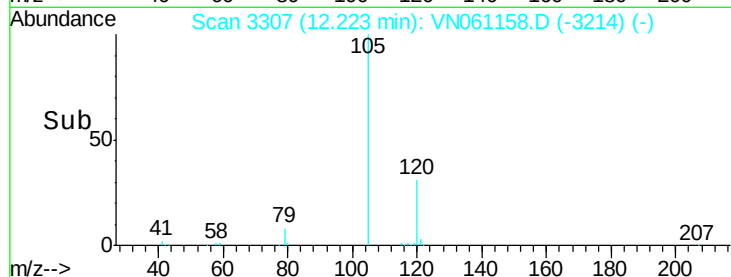
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.699 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion: 43 Resp: 177788

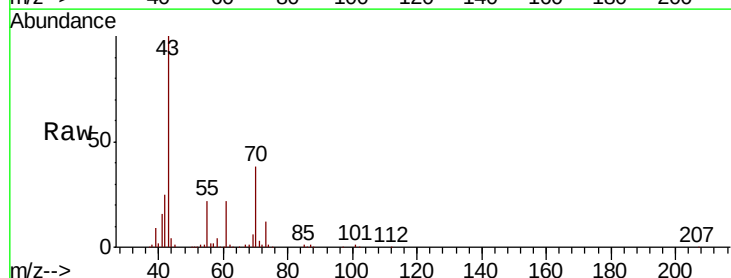
Ion Ratio Lower Upper

43 100

70 38.0 30.6 46.0

55 22.5 18.5 27.7

61 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

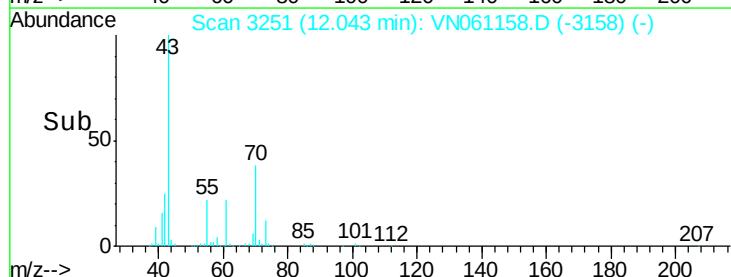
100000

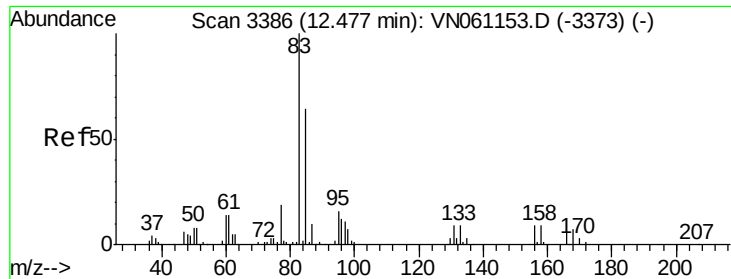
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.280 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

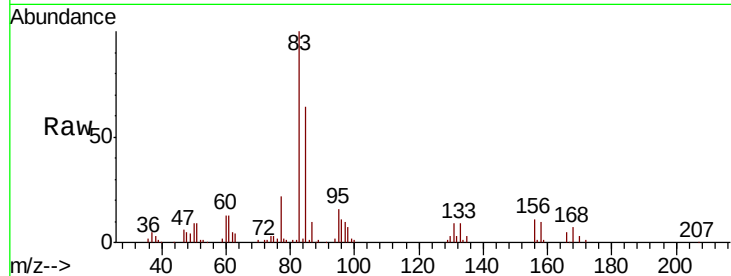
Tot Ion: 83 Resp: 106413

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.48

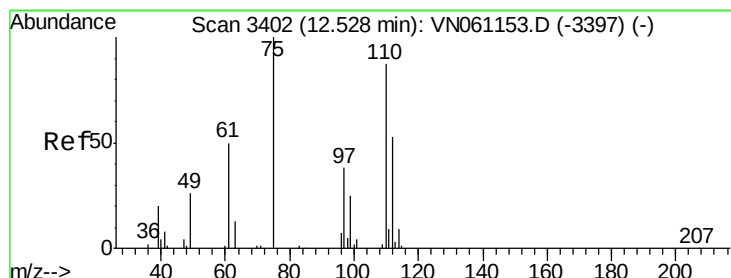
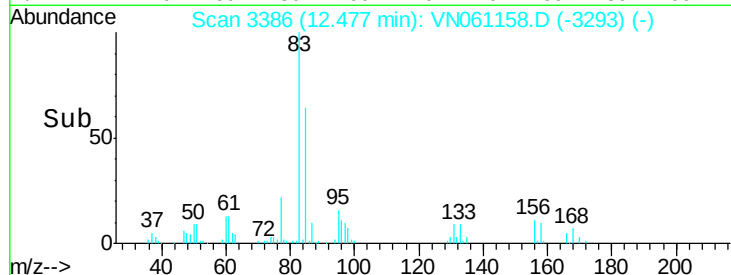
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 74.046 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061158.D

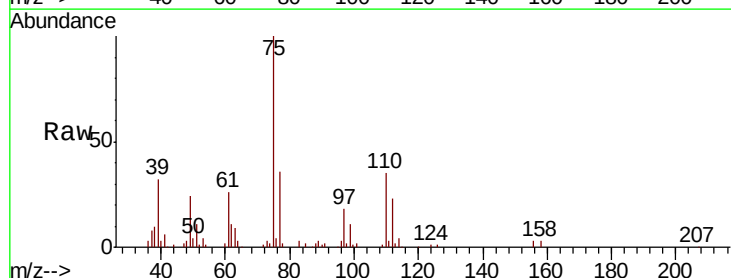
Acq: 28 Apr 2020 12:45

Tgt Ion: 75 Resp: 147056

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

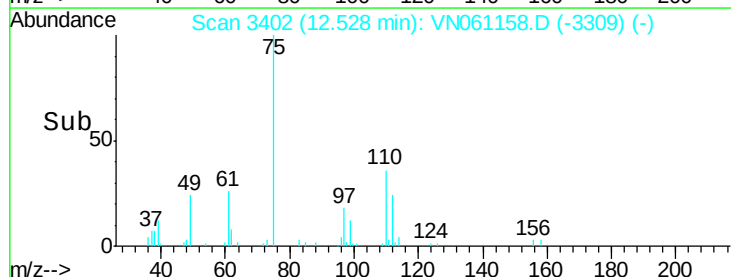
60000

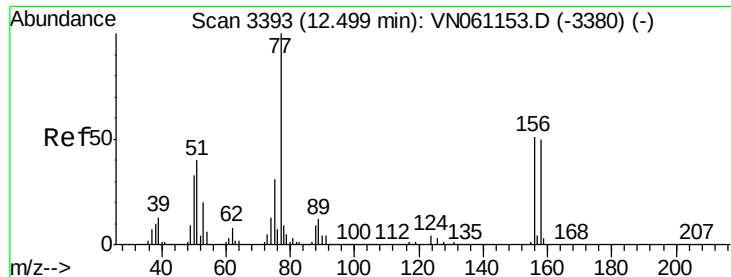
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 52.240 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

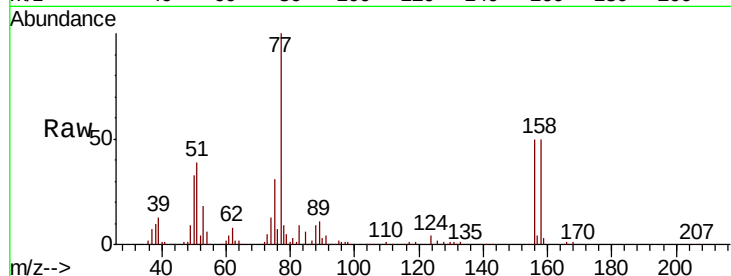
Tot Ion:156 Resp: 83512

Ion Ratio Lower Upper

156 100

77 233.0 117.4 352.2

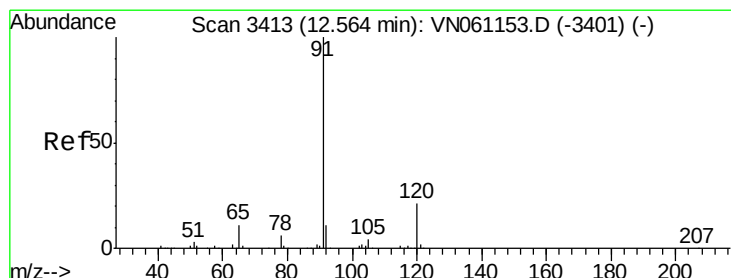
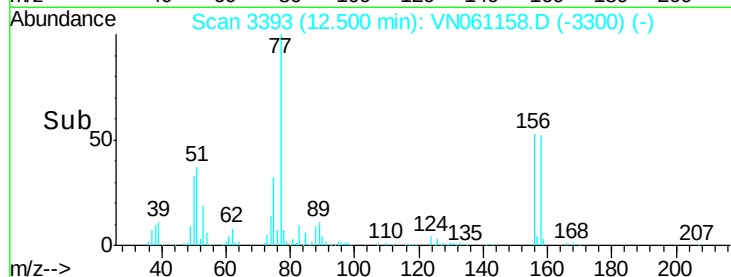
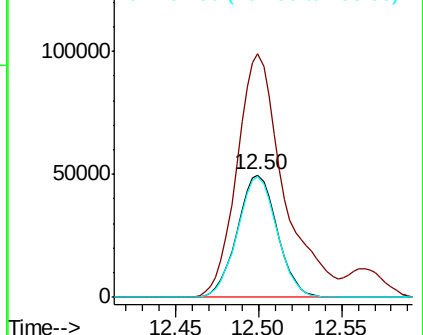
158 97.5 48.4 145.0



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: 54.239 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061158.D

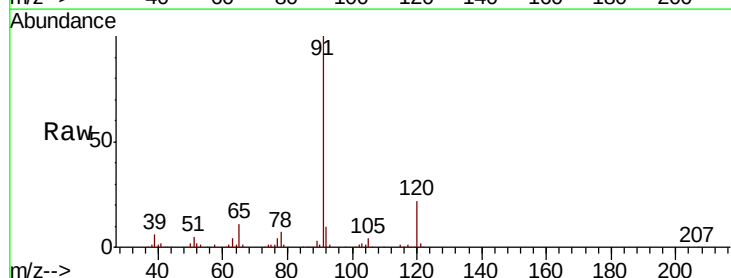
Acq: 28 Apr 2020 12:45

Tgt Ion: 91 Resp: 445522

Ion Ratio Lower Upper

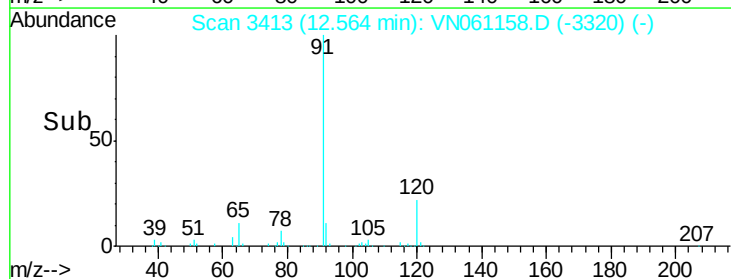
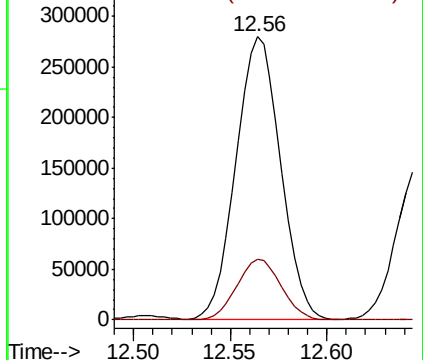
91 100

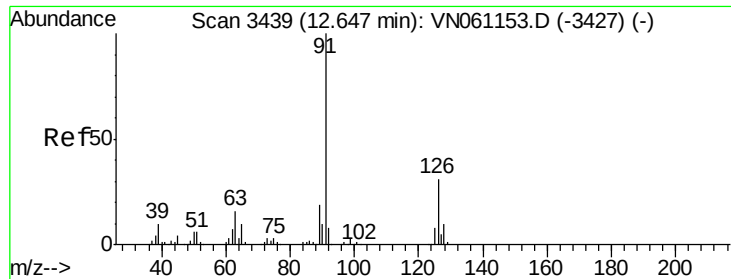
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.143 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

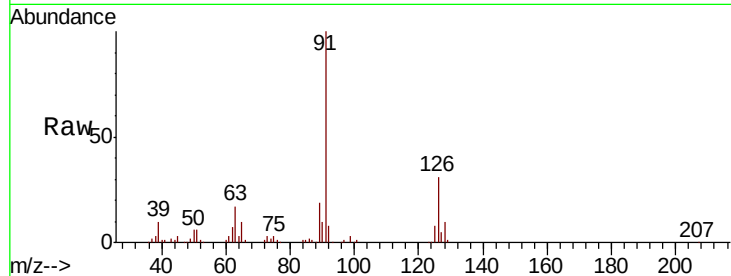
VSTDCCC050

Tot Ion: 91 Resp: 256576

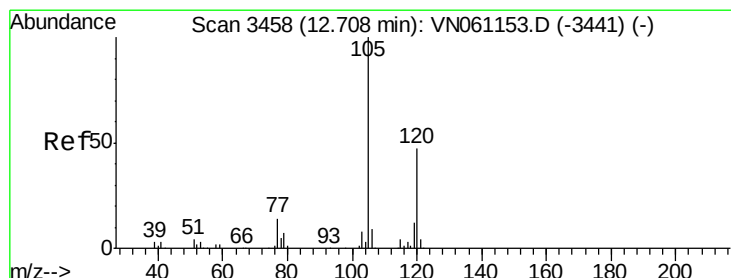
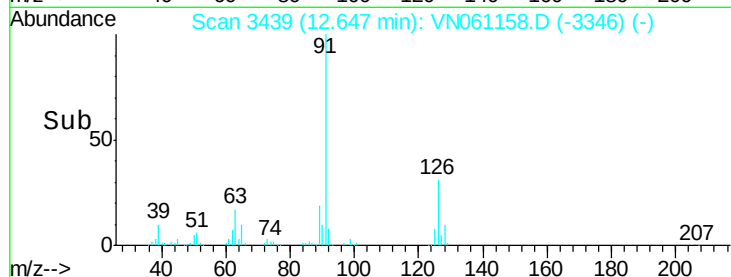
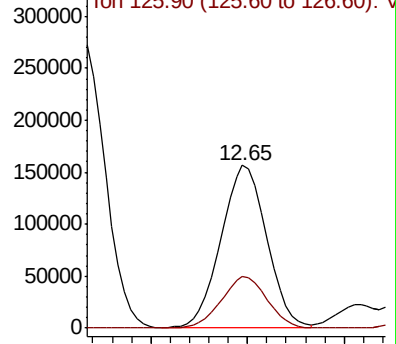
Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061158.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.967 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061158.D

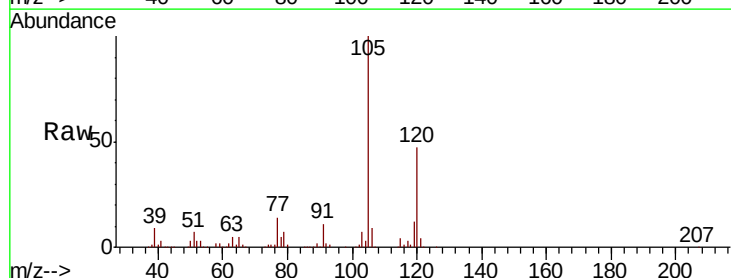
Acq: 28 Apr 2020 12:45

Tgt Ion:105 Resp: 315055

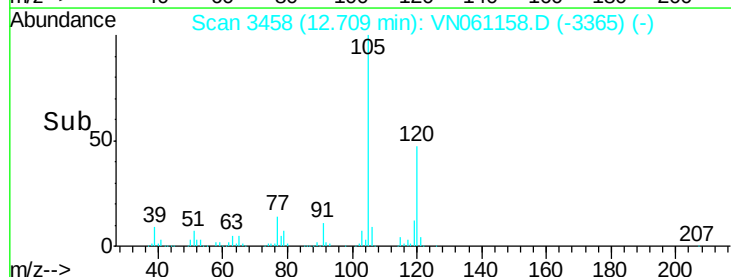
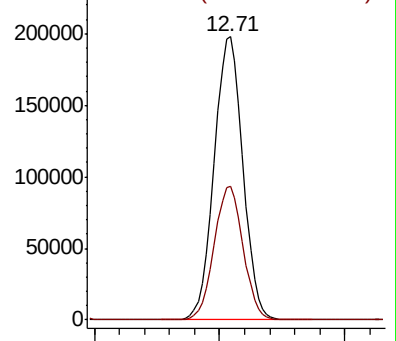
Ion Ratio Lower Upper

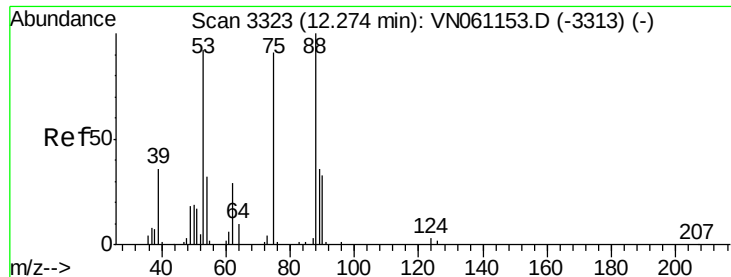
105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061158.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.200 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

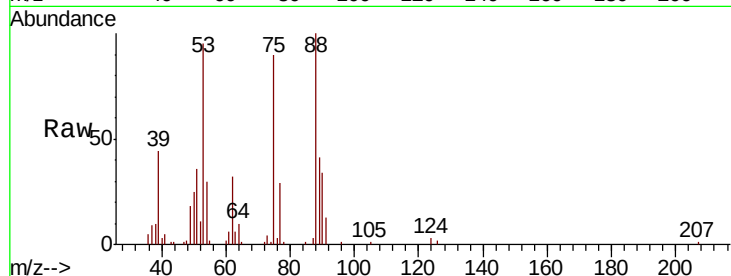
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 39259

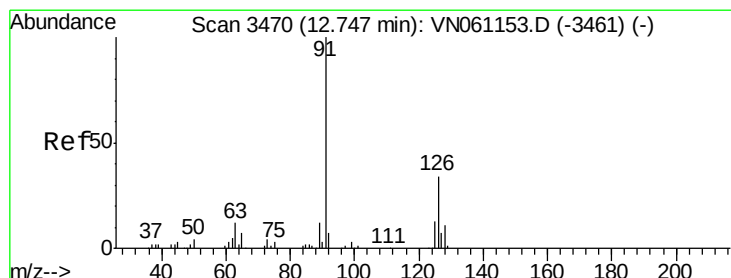
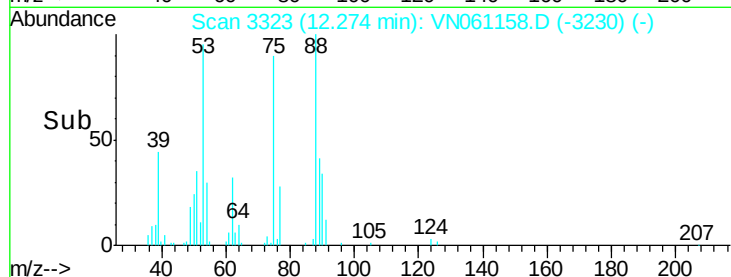
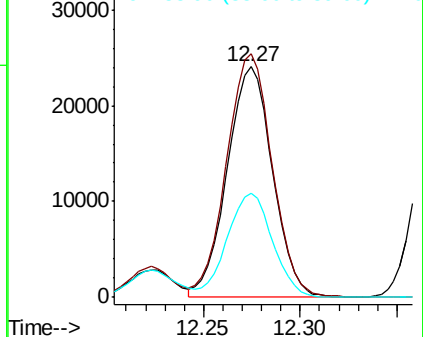
Ion	Ratio	Lower	Upper
75	100		
53	106.1	84.1	126.1
89	45.0	35.2	52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.621 ug/l

RT: 12.75 min Scan# 3470

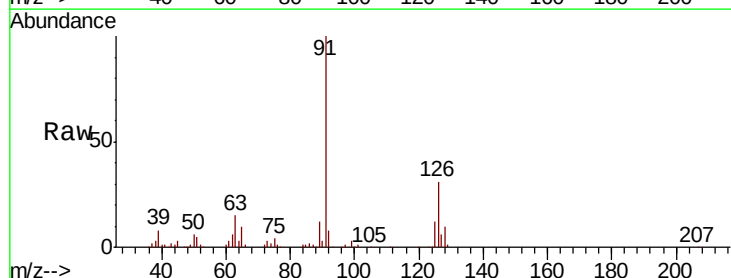
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

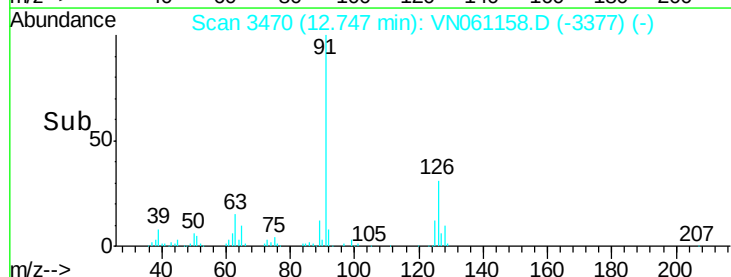
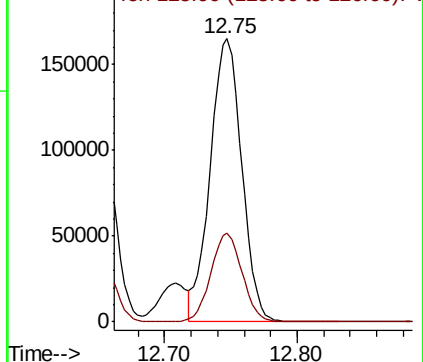
Tgt Ion: 91 Resp: 272853

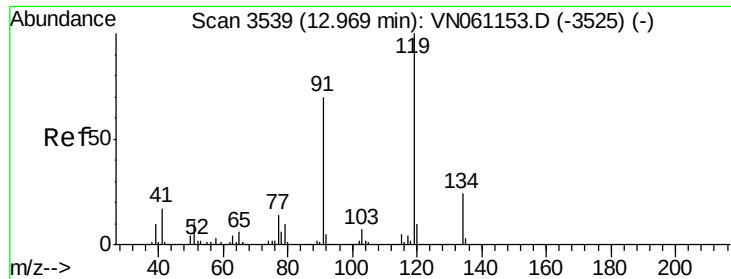
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

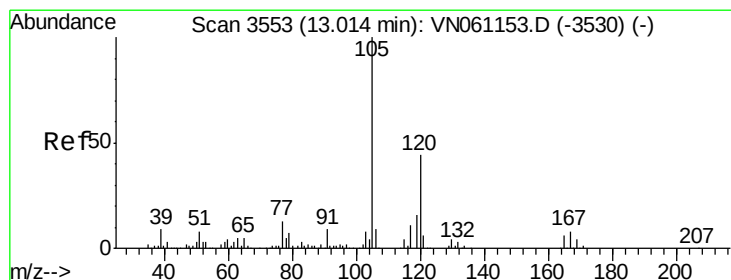
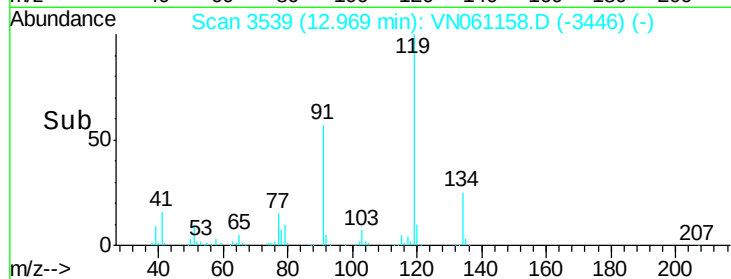
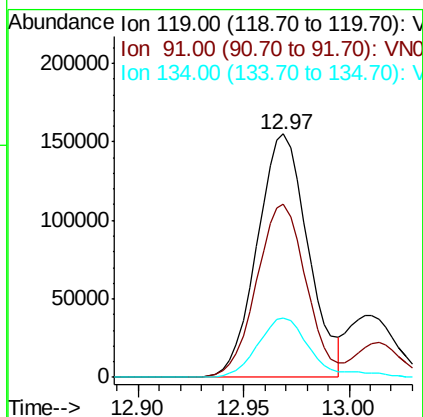
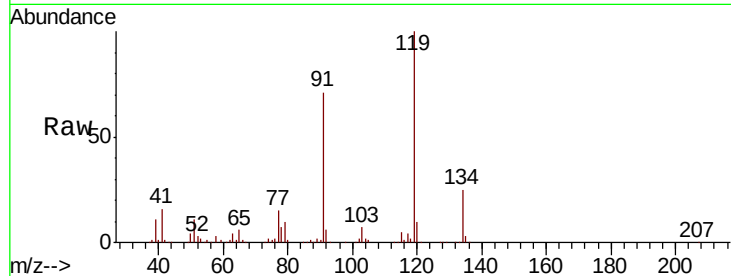




#83
 tert-Butylbenzene
 Concen: 53.769 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

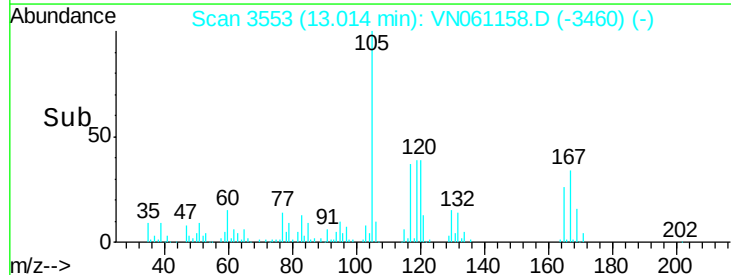
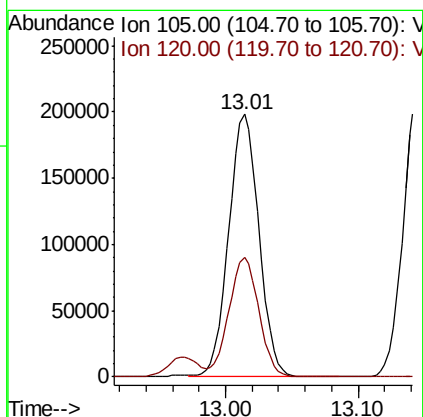
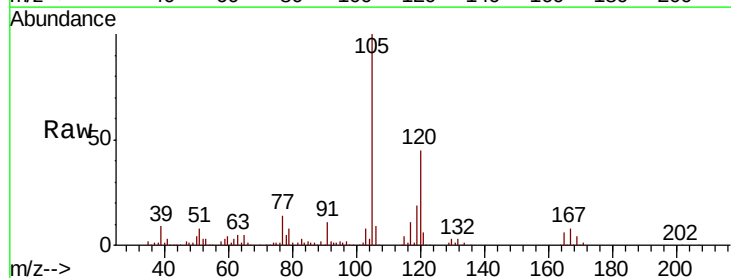
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

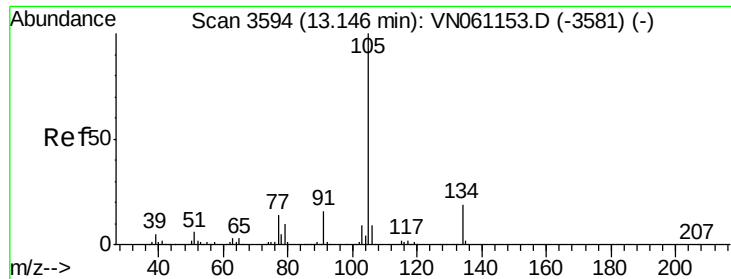
Tot Ion:119 Resp: 259864
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.8 104.4
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.137 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion:105 Resp: 313783
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 54.719 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

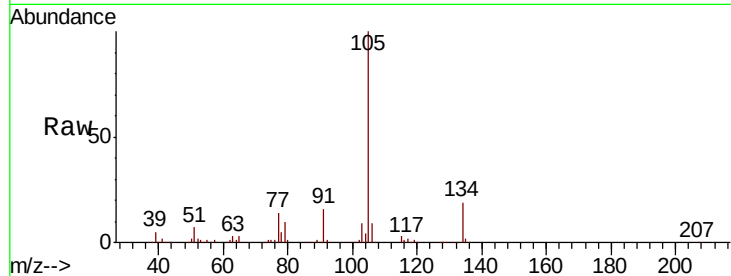
VSTDCCC050

Tot Ion:105 Resp: 360552

Ion Ratio Lower Upper

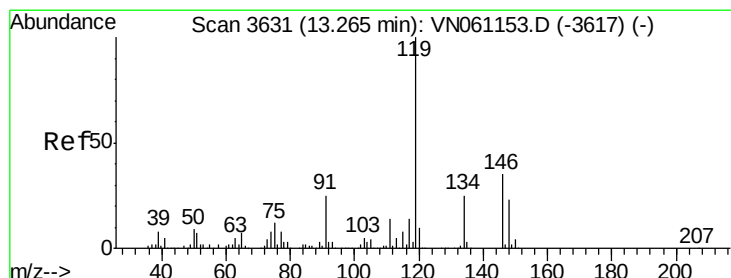
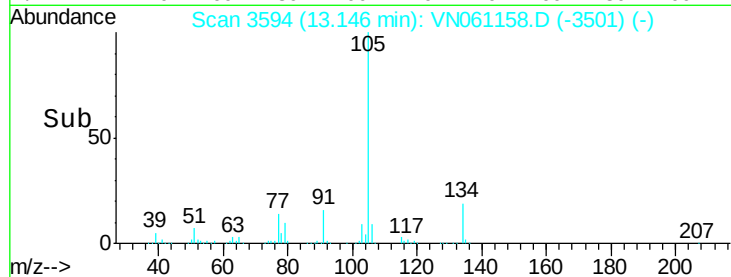
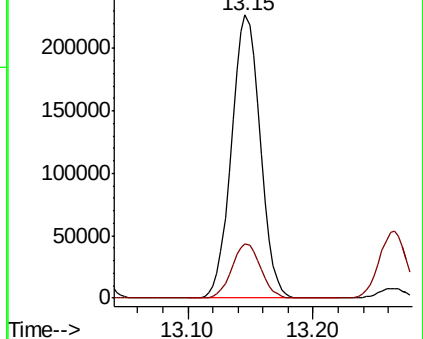
105 100

134 19.2 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.507 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

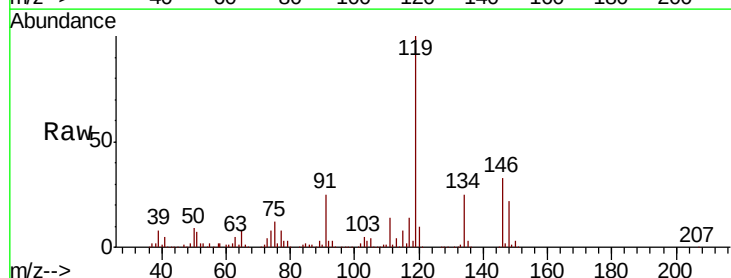
Tgt Ion:119 Resp: 329532

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

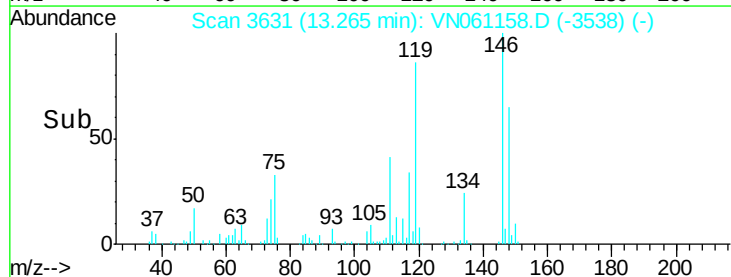
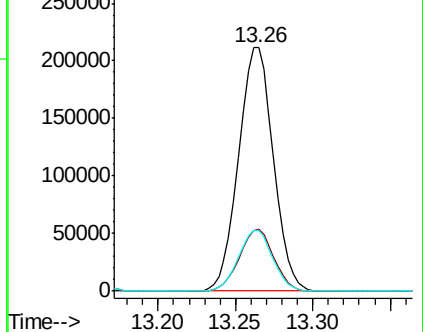
91 24.8 12.7 38.0

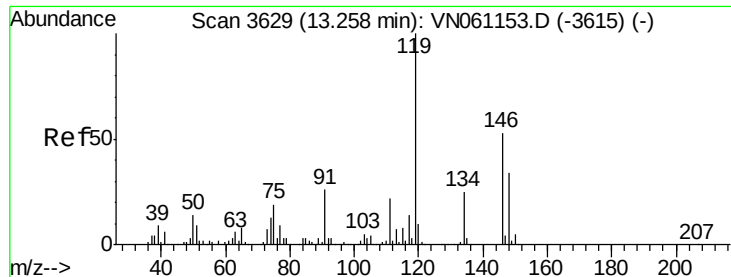


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

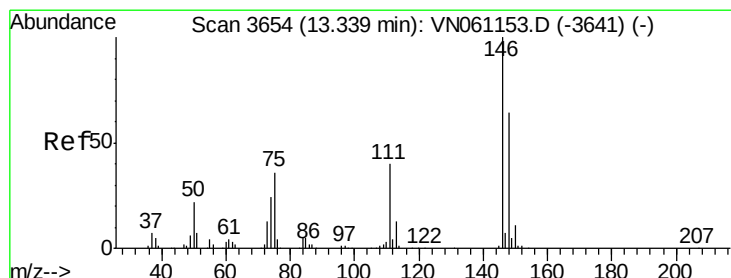
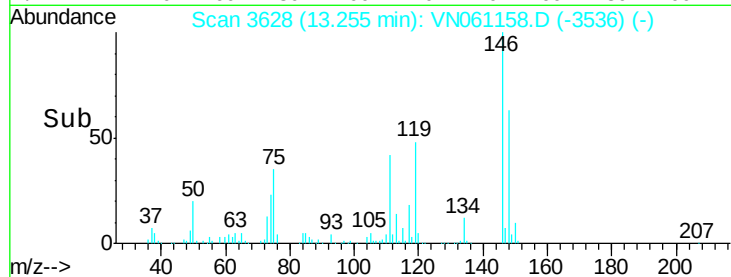
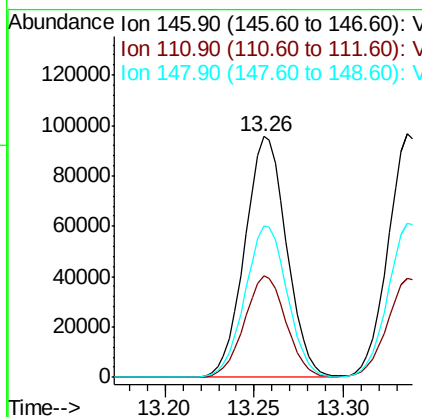
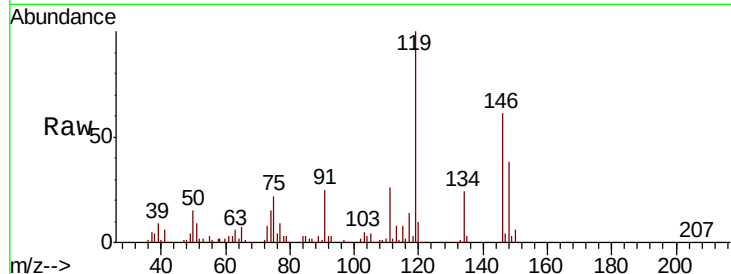




#87
 1,3-Dichlorobenzene
 Concen: 53.218 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

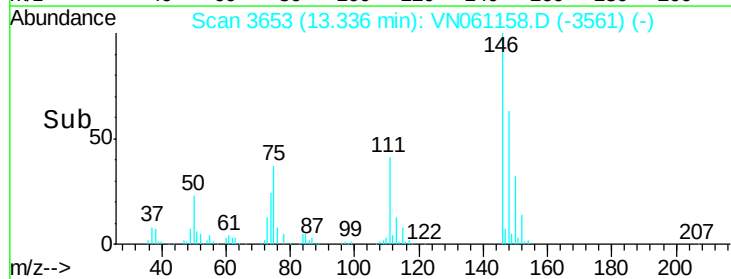
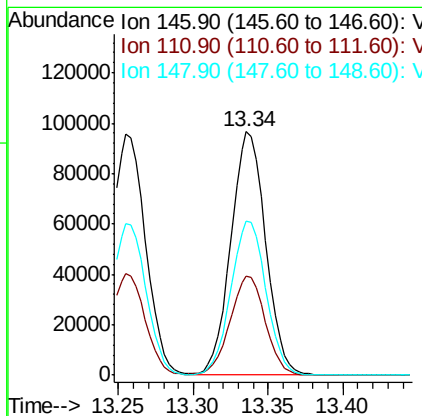
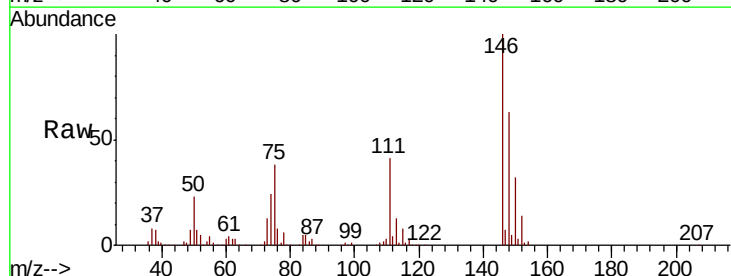
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

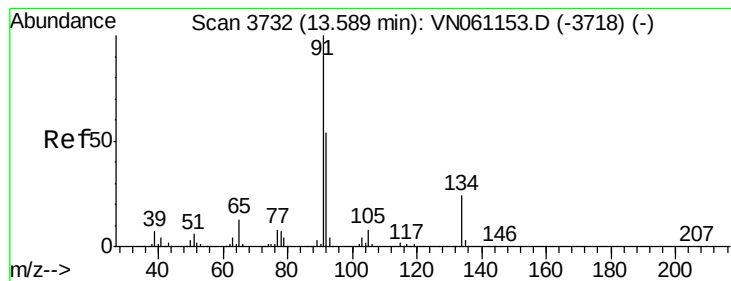
Tot Ion:146 Resp: 156618
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.7 62.1
 148 63.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.115 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion:146 Resp: 156708
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.3
 148 64.0 31.9 95.7





#89

n-Butylbenzene

Concen: 56.744 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

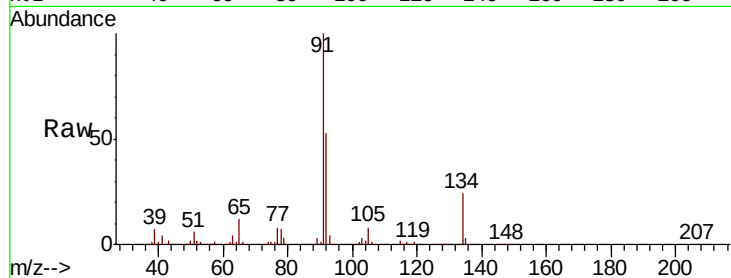
Tot Ion: 91 Resp: 308828

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.3

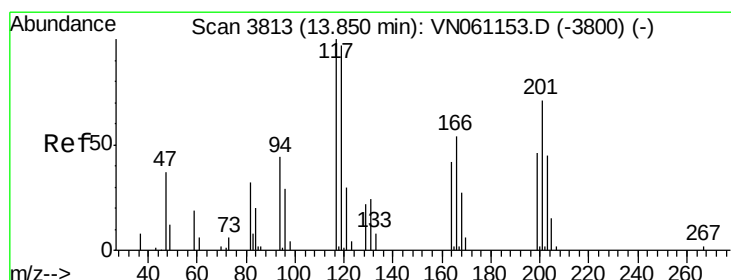
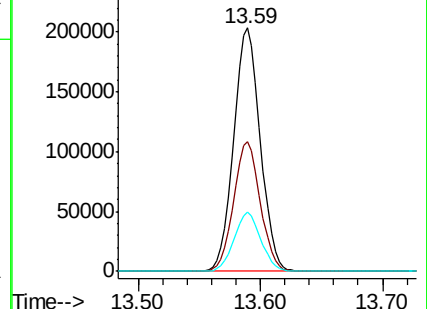
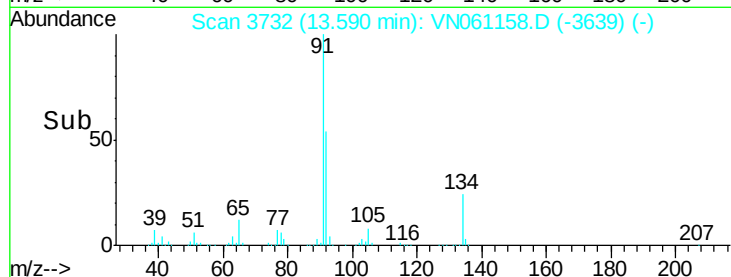
134 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3718) (-)

Ion 92.00 (91.70 to 92.70): VN061153.D (-3718) (-)

Ion 134.00 (133.70 to 134.70): VN061153.D (-3718) (-)



#90

Hexachloroethane

Concen: 45.949 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061158.D

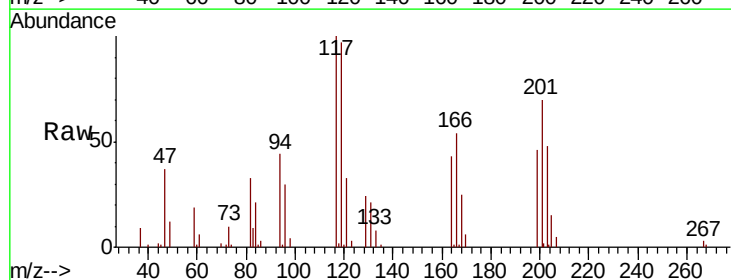
Acq: 28 Apr 2020 12:45

Tgt Ion: 117 Resp: 28002

Ion Ratio Lower Upper

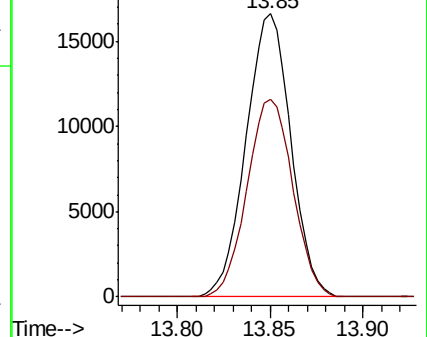
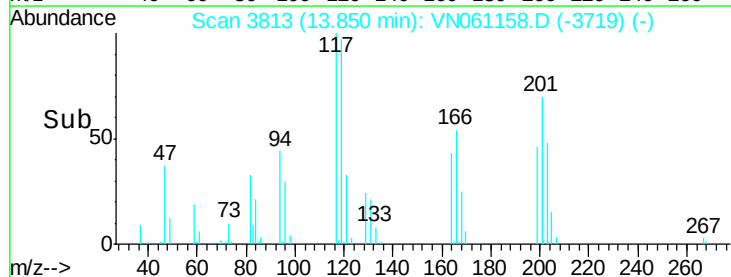
117 100

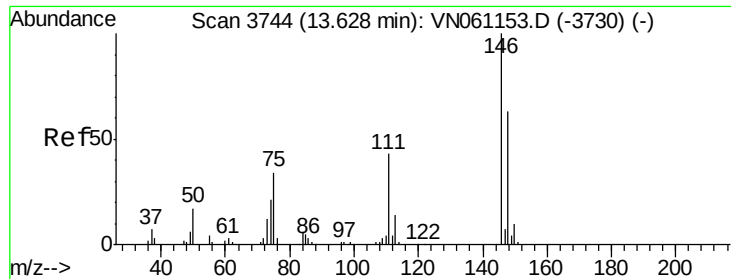
201 71.2 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061153.D (-3800) (-)

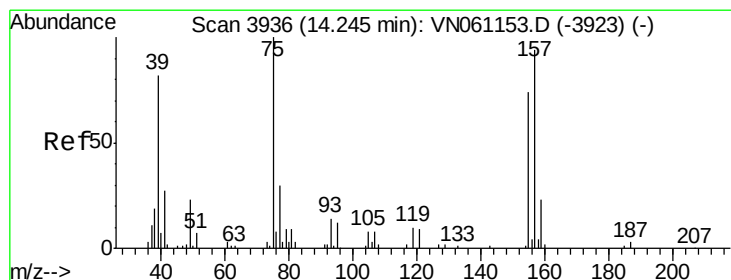
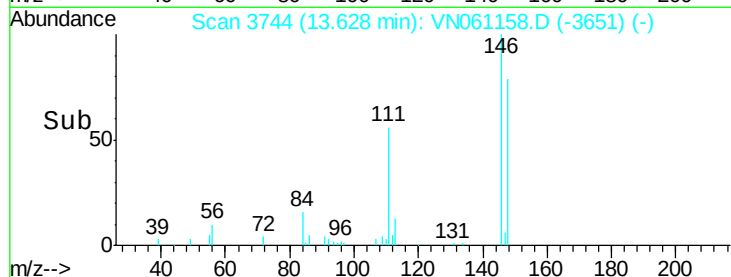
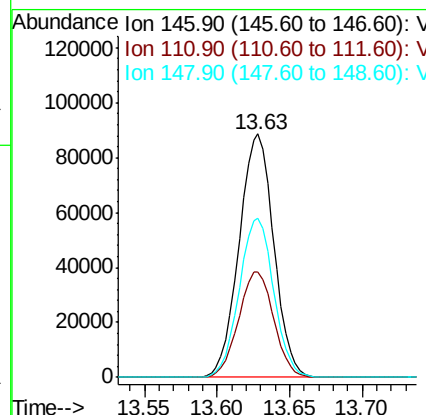
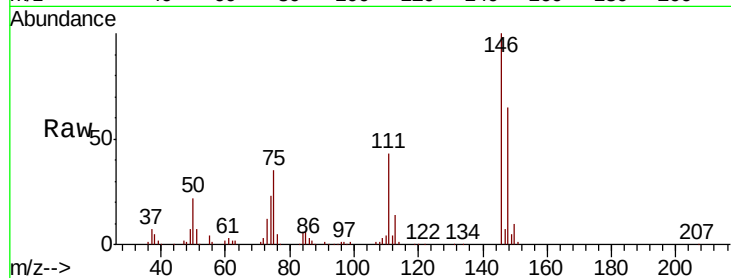




#91
 1,2-Dichlorobenzene
 Concen: 52.204 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

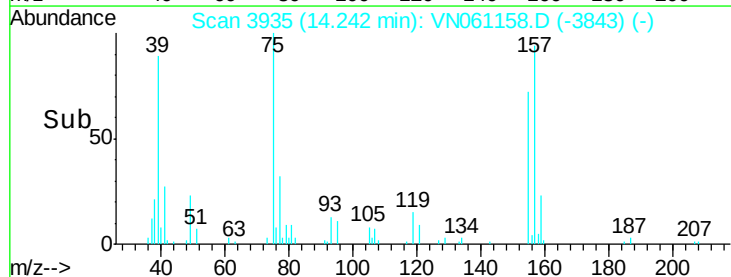
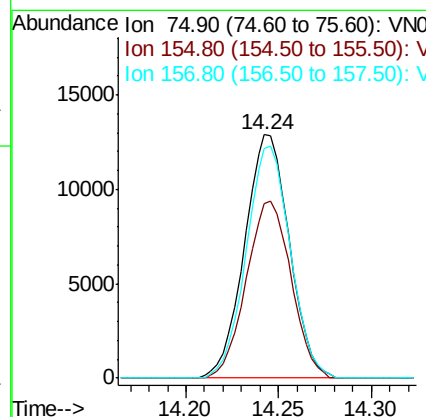
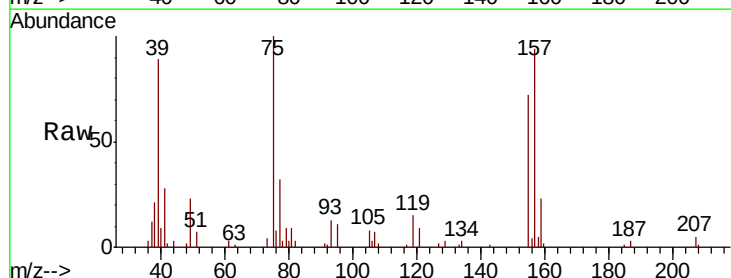
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

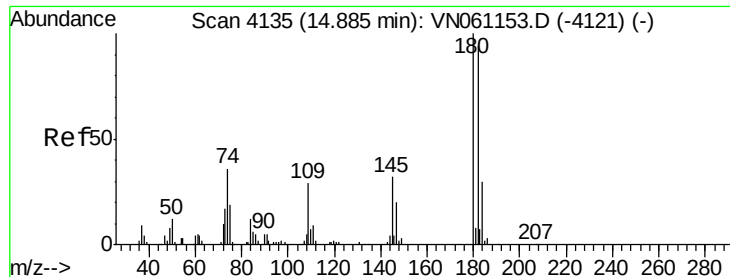
Tot Ion:146 Resp: 147309
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.8 65.3
 148 64.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.648 ug/l
 RT: 14.24 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 75 Resp: 21730
 Ion Ratio Lower Upper
 75 100
 155 72.6 36.5 109.7
 157 93.6 46.6 139.7

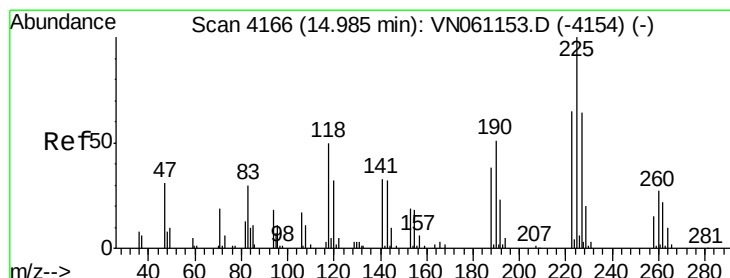
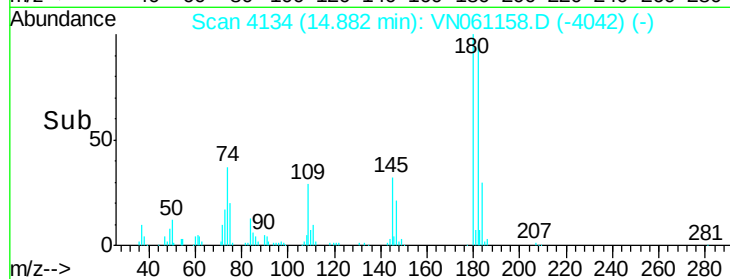
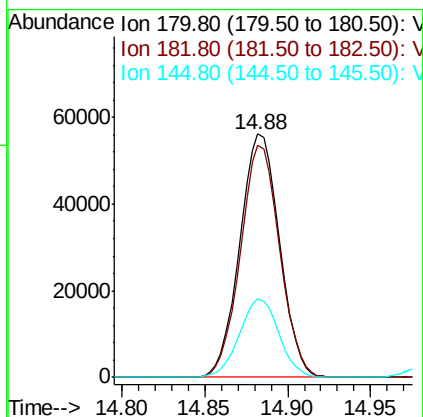
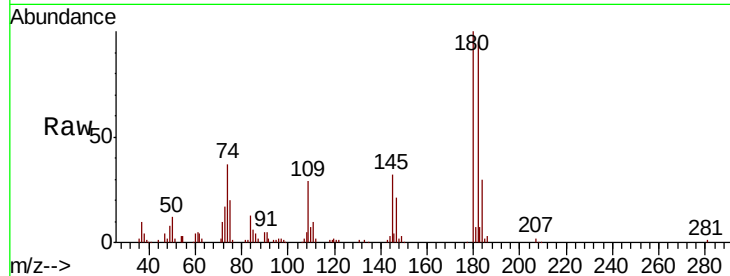




#93
 1,2,4-Trichlorobenzene
 Concen: 54.458 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

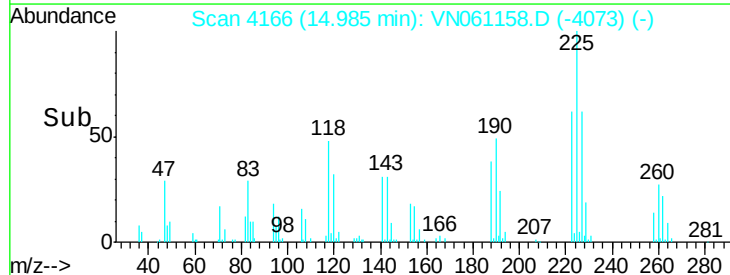
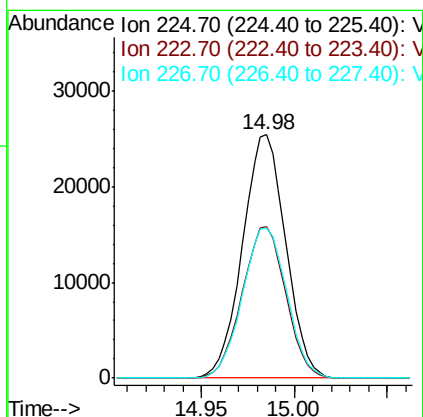
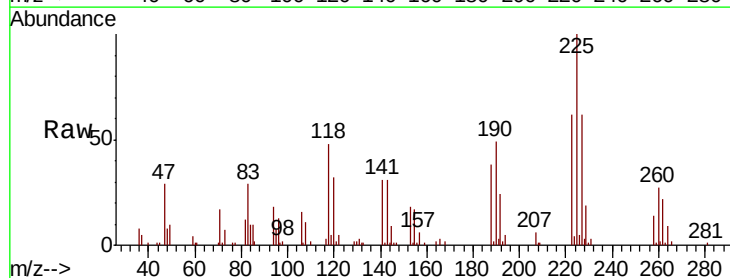
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

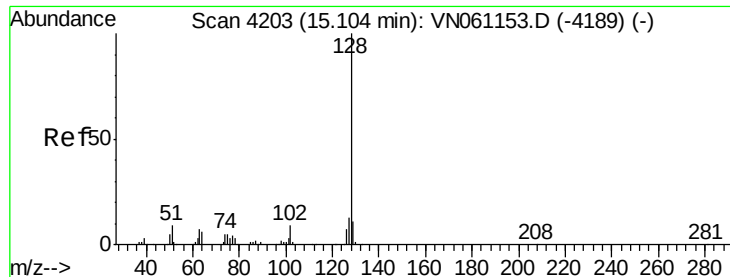
Tot Ion:180 Resp: 93577
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 141.9
 145 32.0 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 57.341 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion:225 Resp: 41163
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.4 97.0
 227 63.0 32.4 97.0

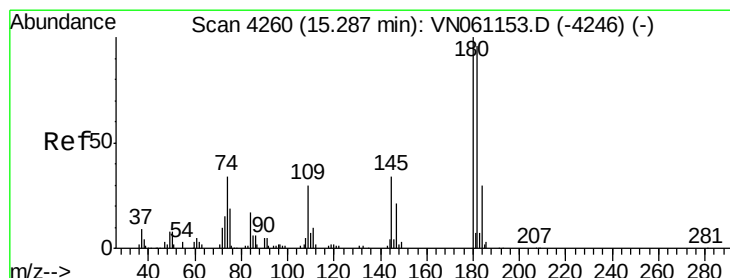
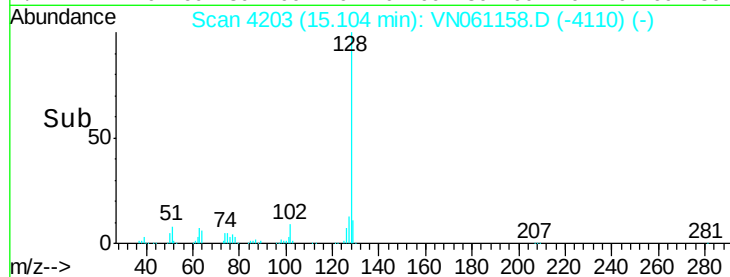
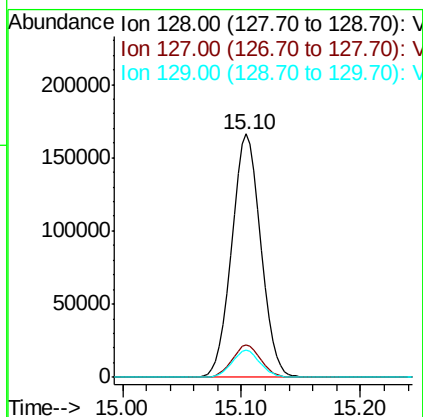
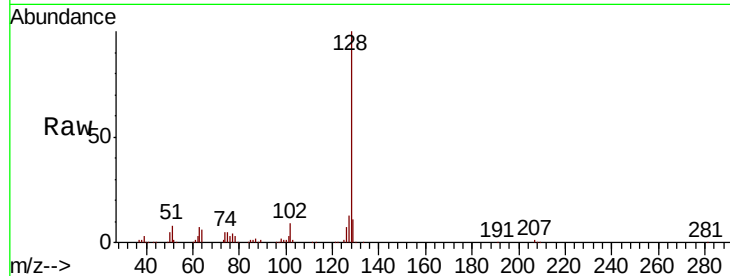




#95
Naphthalene
Concen: 50.186 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 280846
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.186 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion:180 Resp: 88535
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.5
145 34.6 16.9 50.7

