

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060811.D
 Acq On : 1 Apr 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 02 09:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127206	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.56	113	96851	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.08	98	385421	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	145609	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82040	43.124	ug/l	100
3) Chloromethane	2.04	50	142764	40.180	ug/l	98
4) Vinyl Chloride	2.17	62	113734	40.925	ug/l	98
5) Bromomethane	2.54	94	56909	47.437	ug/l	98
6) Chloroethane	2.68	64	72025	44.991	ug/l	100
7) Trichlorofluoromethane	3.00	101	154881	45.242	ug/l	98
8) Diethyl Ether	3.38	74	65796	47.843	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95619	48.203	ug/l	99
10) Methyl Iodide	3.93	142	83777	47.462	ug/l	99
11) Tert butyl alcohol	4.72	59	96399	242.851	ug/l	99
12) 1,1-Dichloroethene	3.71	96	93194	43.779	ug/l	96
13) Acrolein	3.57	56	105889	240.693	ug/l	99
14) Allyl chloride	4.29	41	172795	46.153	ug/l	99
15) Acrylonitrile	4.94	53	279948	239.834	ug/l	100
16) Acetone	3.77	43	235558	246.383	ug/l	99
17) Carbon Disulfide	4.03	76	268718	41.507	ug/l	100
18) Methyl Acetate	4.28	43	131511	48.869	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	340538	46.529	ug/l	98
20) Methylene Chloride	4.52	84	108560	46.159	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	102731	45.281	ug/l	100
22) Diisopropyl ether	5.91	45	384839	48.653	ug/l	98
23) Vinyl Acetate	5.85	43	1593939	246.979	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204204	47.357	ug/l	99
25) 2-Butanone	6.79	43	373671	241.534	ug/l	99
26) 2,2-Dichloropropane	6.79	77	173510	51.143	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	119769	46.455	ug/l	98
28) Bromochloromethane	7.17	49	98512	47.750	ug/l	99
29) Tetrahydrofuran	7.17	42	253004	231.135	ug/l	99
30) Chloroform	7.34	83	196819	47.612	ug/l	98
31) Cyclohexane	7.63	56	190268	43.768	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	166932	46.844	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149972	47.626	ug/l	100
37) Ethyl Acetate	6.89	43	160372	47.134	ug/l	100
38) Carbon Tetrachloride	7.75	117	134551	47.675	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	181468	48.494	ug/l	99
40) Benzene	8.02	78	451118	47.457	ug/l	100
41) Methacrylonitrile	7.17	41	227285	156.523	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	154758	47.638	ug/l	100
43) Isopropyl Acetate	8.14	43	269026	47.943	ug/l	100
44) Trichloroethene	8.82	130	112545	46.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	122993	49.035	ug/l	98
46) Dibromomethane	9.19	93	73590	48.529	ug/l	99
47) Bromodichloromethane	9.38	83	153737	48.788	ug/l	100
48) Methyl methacrylate	9.18	41	122538	49.048	ug/l	99
49) 1,4-Dioxane	9.18	88	33863	1140.337	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	788479	246.932	ug/l	100
52) Toluene	10.14	92	271871	47.357	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	180430	49.848	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194522	48.987	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106195	48.083	ug/l	99
56) Ethyl methacrylate	10.42	69	169751	49.293	ug/l	98
57) 1,3-Dichloropropane	10.70	76	185859	48.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	401563	234.617	ug/l	100
59) 2-Hexanone	10.74	43	570316	247.946	ug/l	99
60) Dibromochloromethane	10.89	129	113721	49.848	ug/l	99
61) 1,2-Dibromoethane	10.99	107	108258	48.746	ug/l	99
64) Tetrachloroethene	10.62	164	105303	44.761	ug/l	99
65) Chlorobenzene	11.43	112	282047	47.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	104209	48.564	ug/l	98
67) Ethyl Benzene	11.50	91	532043	48.274	ug/l	100
68) m/p-Xylenes	11.62	106	389882	95.195	ug/l	98
69) o-Xylene	11.94	106	186649	47.740	ug/l	99
70) Styrene	11.96	104	312746	48.910	ug/l	100
71) Bromoform	12.12	173	80799	45.463	ug/l #	99
73) Isopropylbenzene	12.25	105	508118	45.540	ug/l	100
74) N-amyl acetate	12.06	43	232568	45.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	156153	46.279	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	210322	65.559	ug/l #	100
77) Bromobenzene	12.52	156	120271	44.734	ug/l	99
78) n-propylbenzene	12.59	91	607913	46.117	ug/l	100
79) 2-Chlorotoluene	12.67	91	351829	44.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	433200	45.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58359	46.720	ug/l	99
82) 4-Chlorotoluene	12.77	91	365745	45.594	ug/l	99
83) tert-Butylbenzene	12.99	119	357531	45.550	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	427760	45.665	ug/l	99
85) sec-Butylbenzene	13.17	105	496484	47.038	ug/l	100
86) p-Isopropyltoluene	13.29	119	448416	47.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	219872	46.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	217407	45.634	ug/l	99
89) n-Butylbenzene	13.61	91	418048	48.785	ug/l	100
90) Hexachloroethane	13.87	117	70355	50.996	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	213742	47.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32003	45.258	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

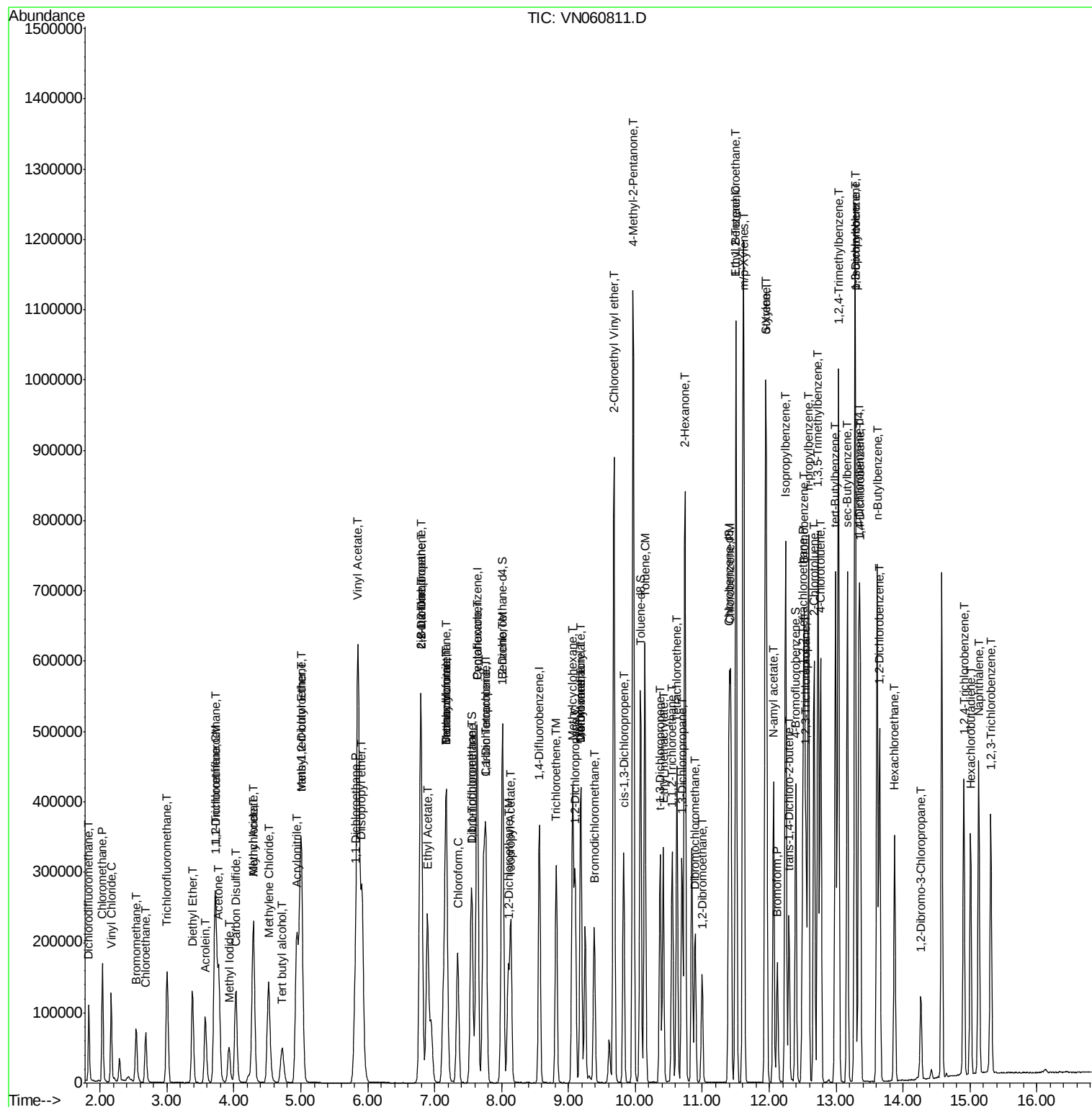
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134110	48.165	ug/l	100
94) Hexachlorobutadiene	15.01	225	67052	49.123	ug/l	100
95) Naphthalene	15.13	128	373686	44.620	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127430	46.463	ug/l	99

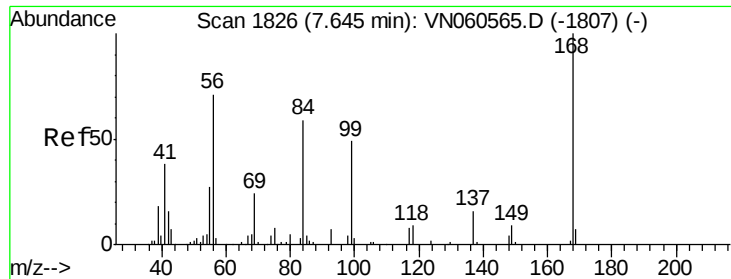
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
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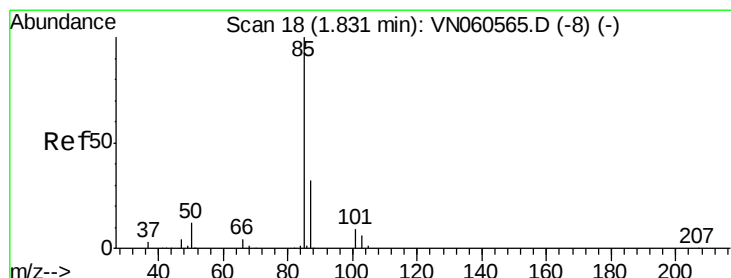
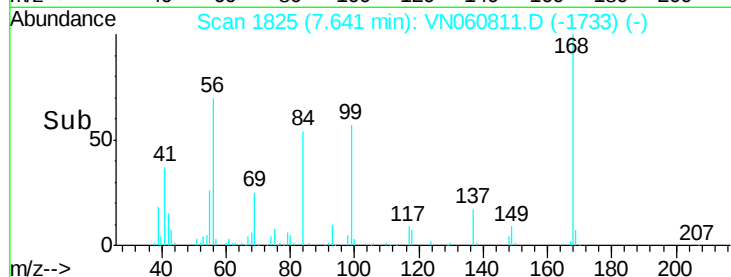
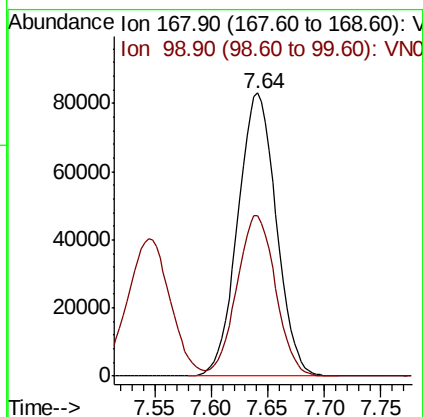
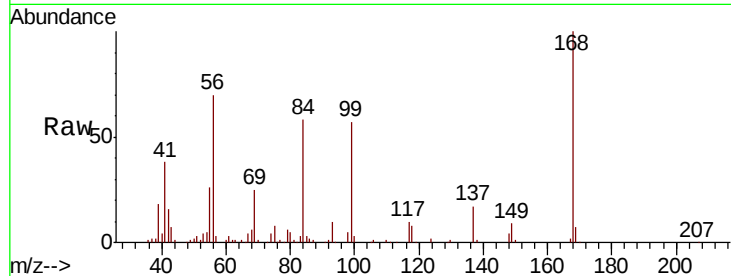




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN060811.D
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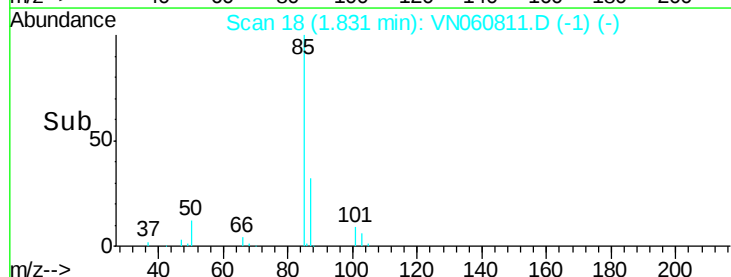
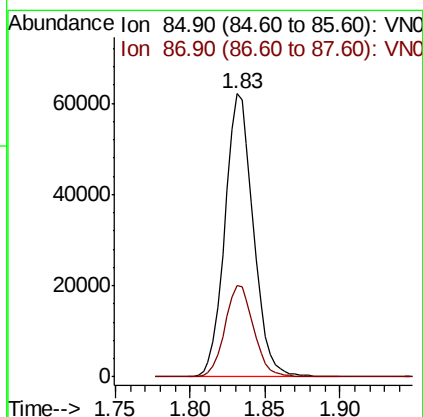
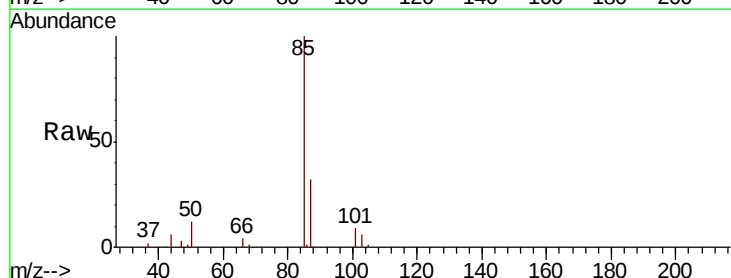
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

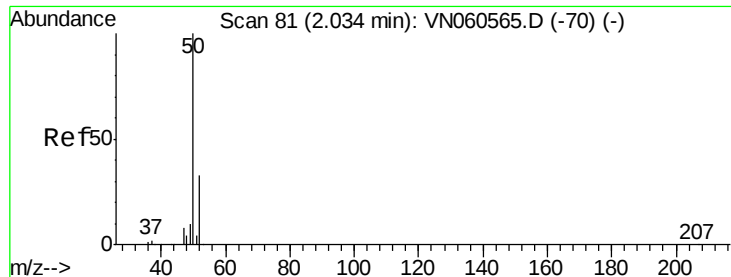
Tot Ion:168 Resp: 196614
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 43.124 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 85 Resp: 82040
Ion Ratio Lower Upper
85 100
87 32.2 16.2 48.5





#3

Chloromethane

Concen: 40.180 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

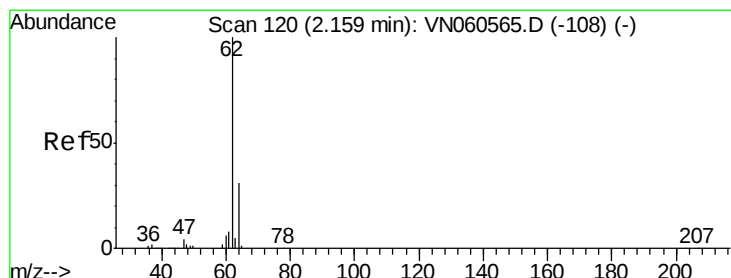
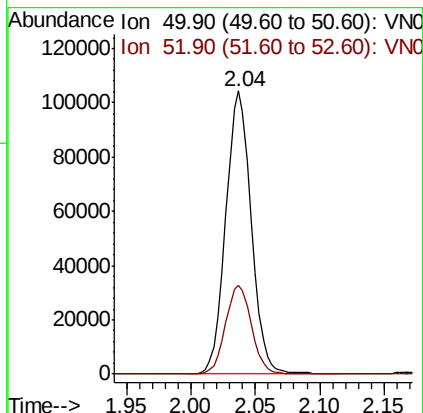
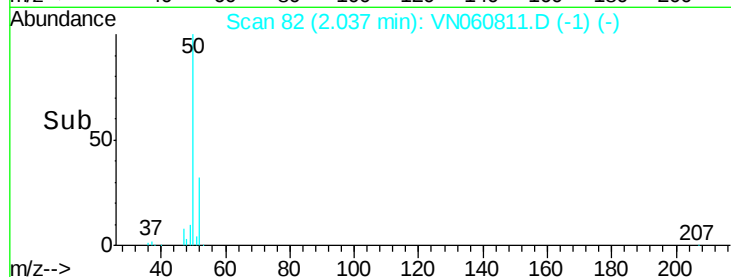
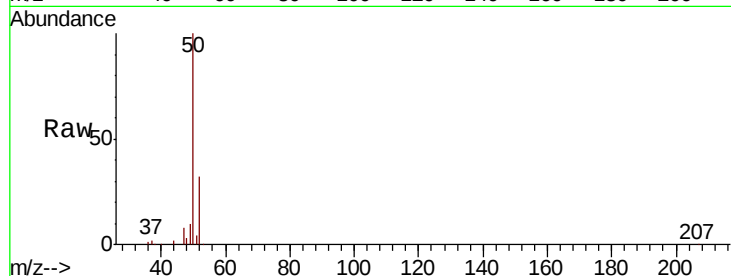
VSTDCCC050EC

Tot Ion: 50 Resp: 142764

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 40.925 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060811.D

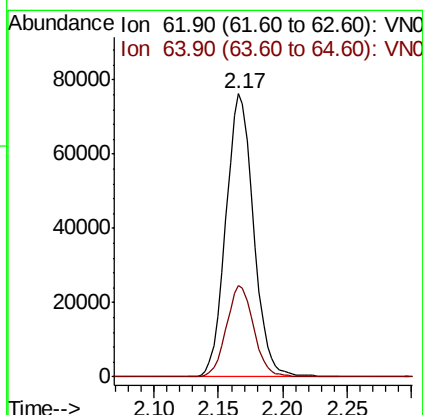
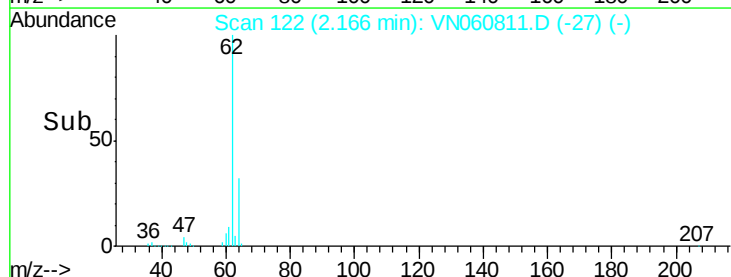
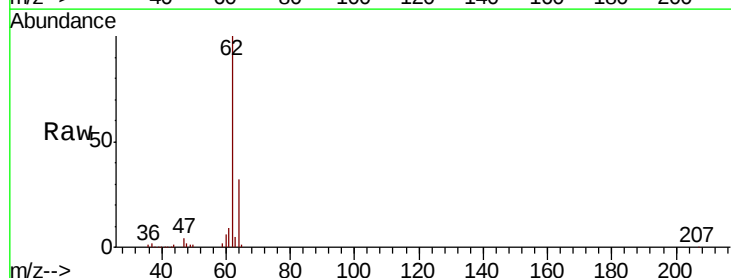
Acq: 1 Apr 2020 15:38

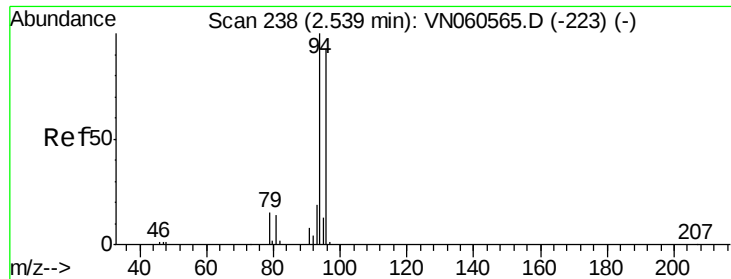
Tgt Ion: 62 Resp: 113734

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 47.437 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

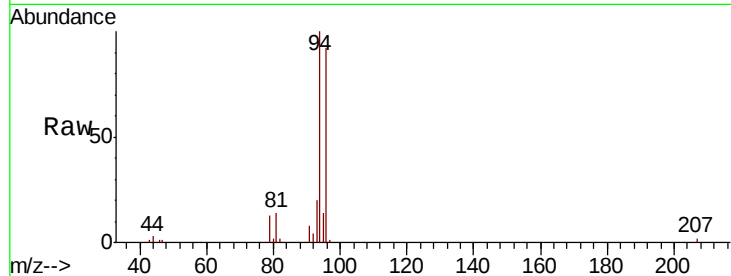
VSTDCCC050EC

Tot Ion: 94 Resp: 56909

Ion Ratio Lower Upper

94 100

96 91.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060811.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060811.D (-145) (-)

2.54

30000

25000

20000

15000

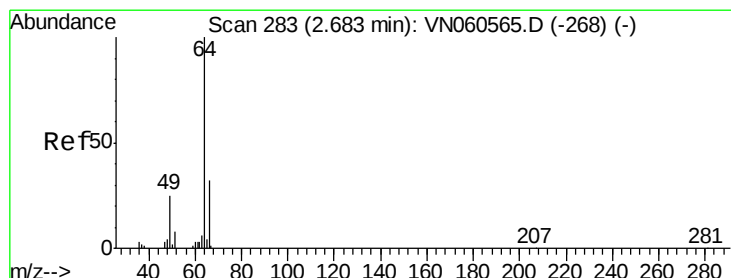
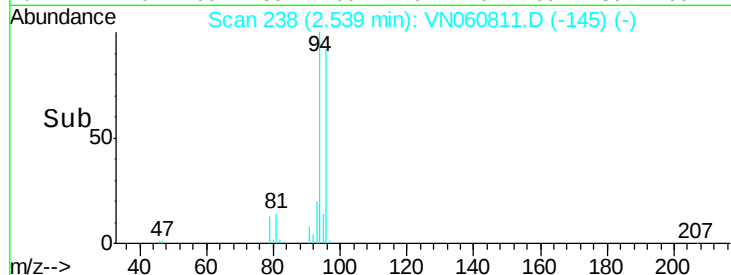
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 44.991 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060811.D

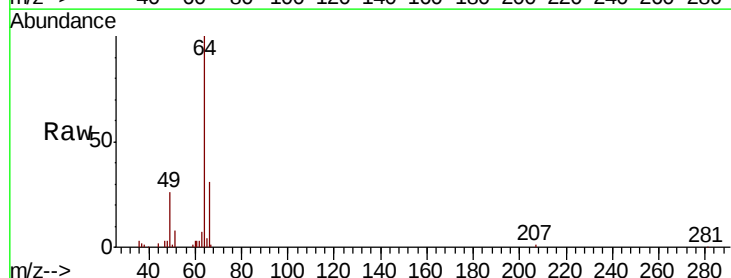
Acq: 1 Apr 2020 15:38

Tgt Ion: 64 Resp: 72025

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060811.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060811.D (-190) (-)

2.68

40000

30000

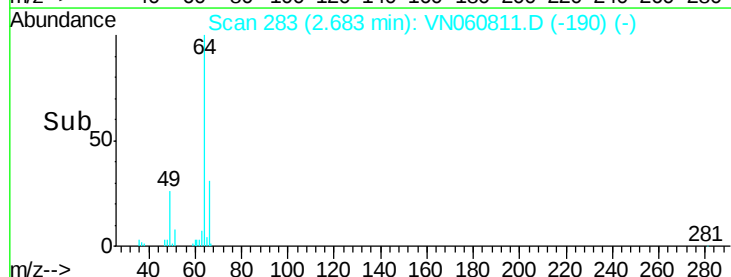
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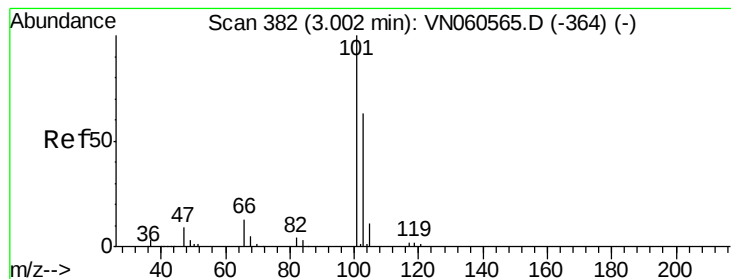
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



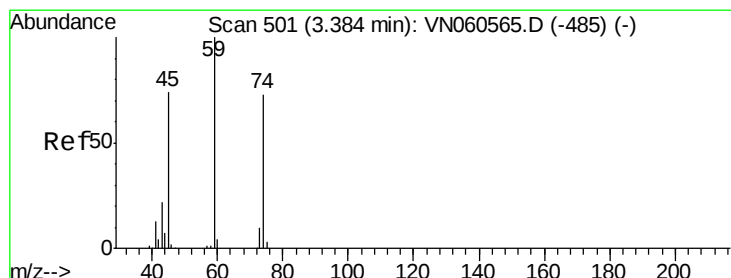
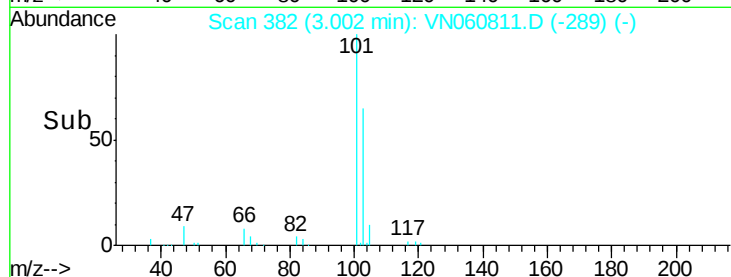
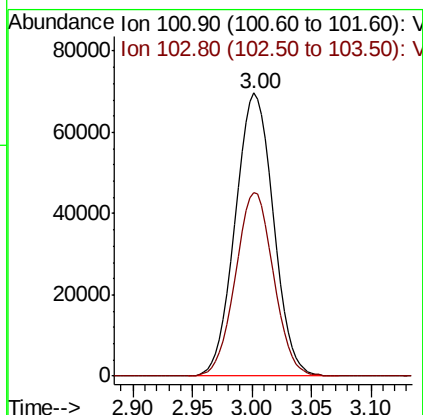
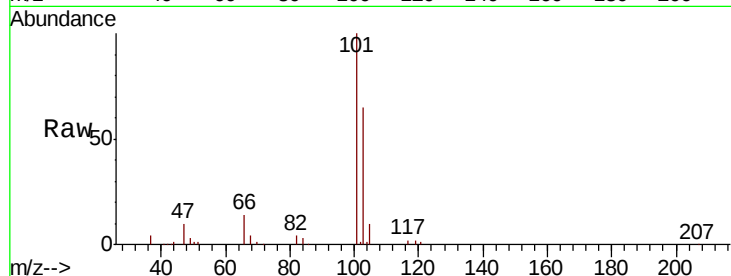


#7

Trichlorofluoromethane
 Concen: 45.242 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
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 VSTDCCC050EC

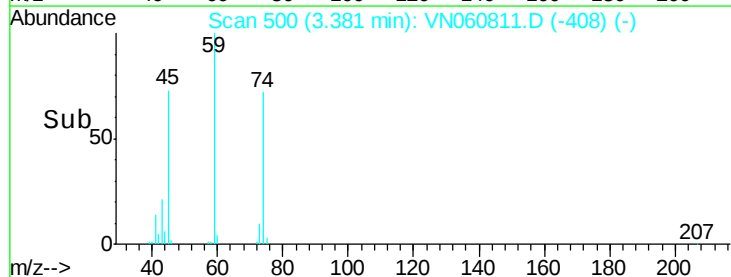
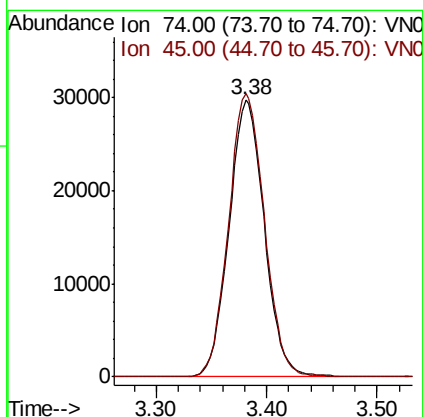
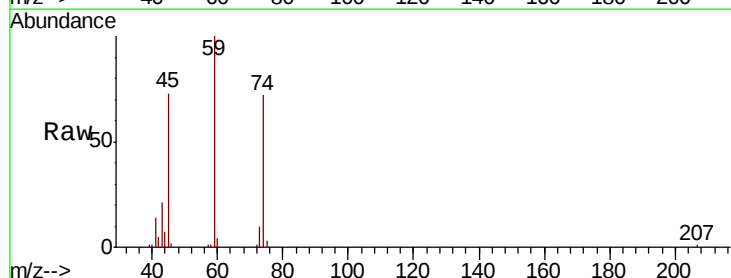
Tot Ion:101 Resp: 154881
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.6 76.0

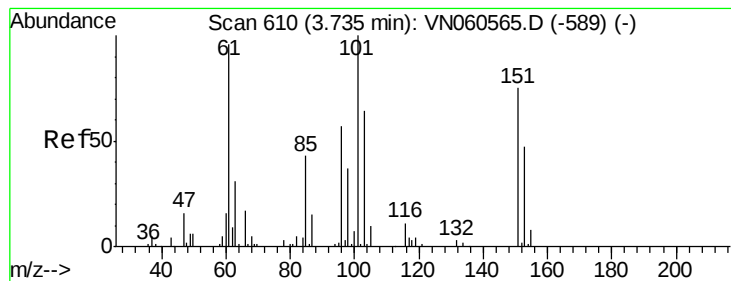


#8

Diethyl Ether
 Concen: 47.843 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 74 Resp: 65796
 Ion Ratio Lower Upper
 74 100
 45 104.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.203 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

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VSTDCCC050EC

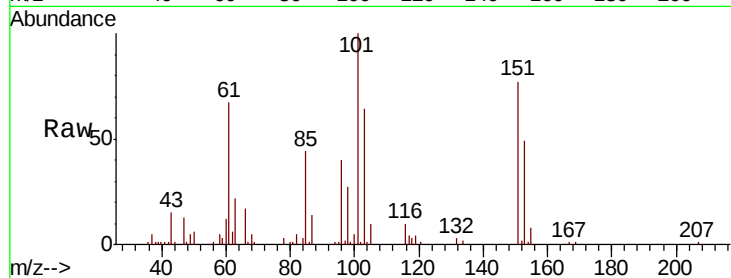
Tot Ion:101 Resp: 95619

Ion Ratio Lower Upper

101 100

85 44.0 35.6 53.4

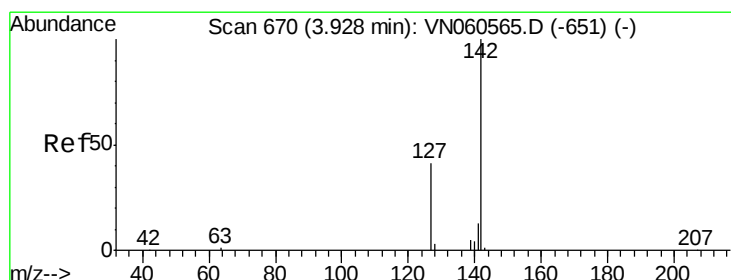
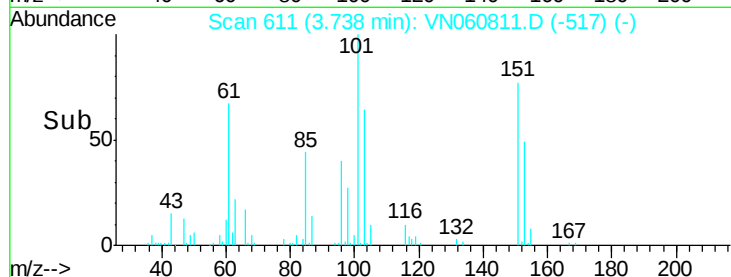
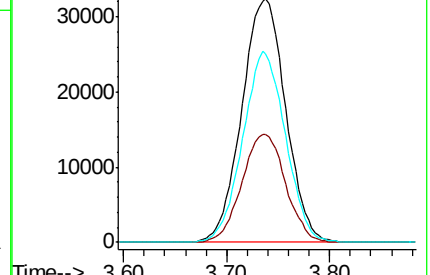
151 76.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.462 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

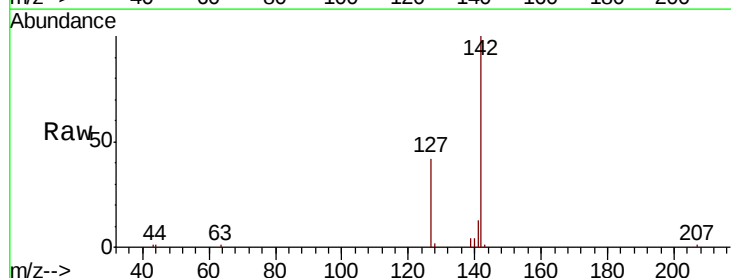
Tgt Ion:142 Resp: 83777

Ion Ratio Lower Upper

142 100

127 41.4 33.5 50.3

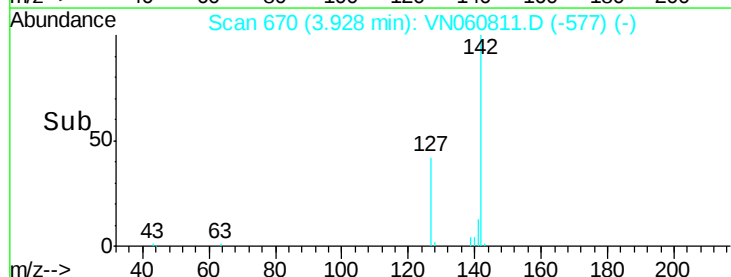
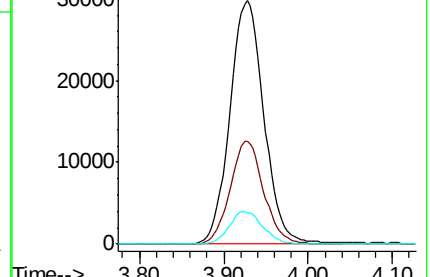
141 13.1 11.0 16.6

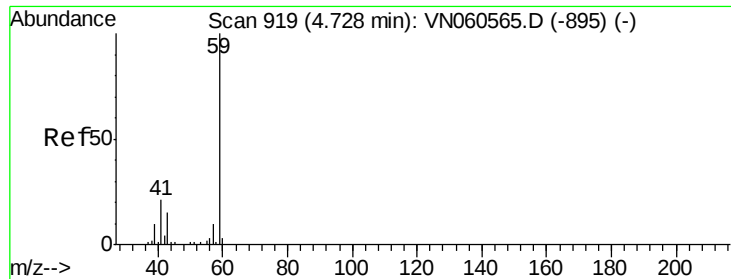


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



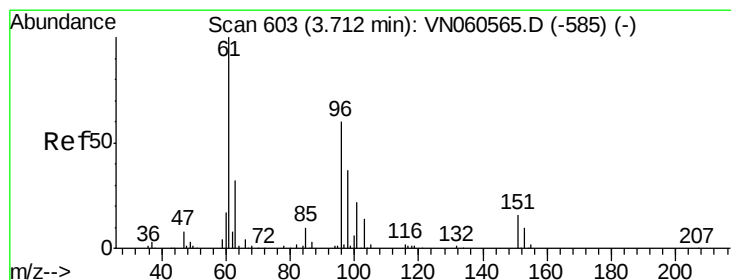
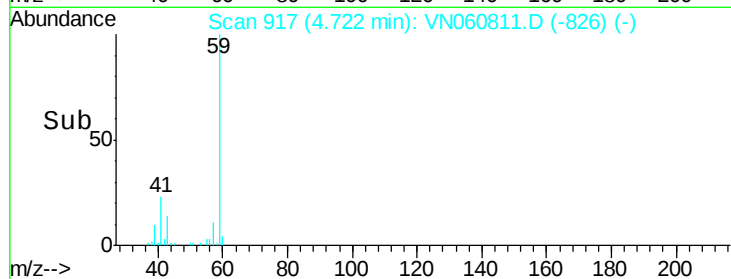
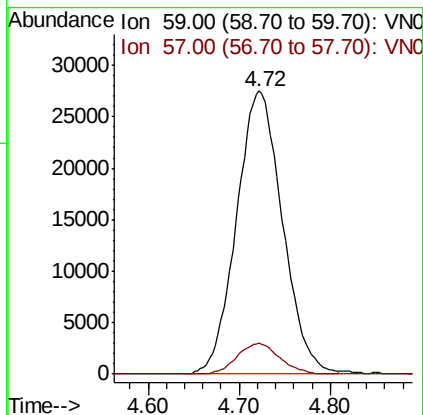
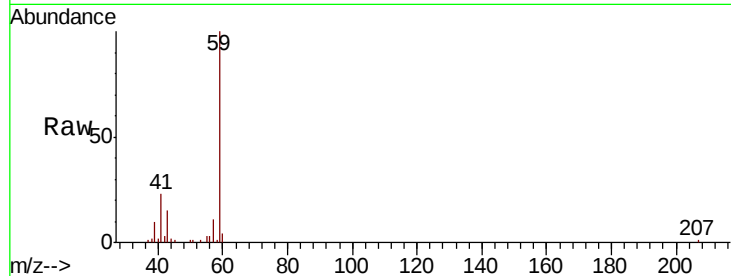


#11

Tert butyl alcohol
Concen: 242.851 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

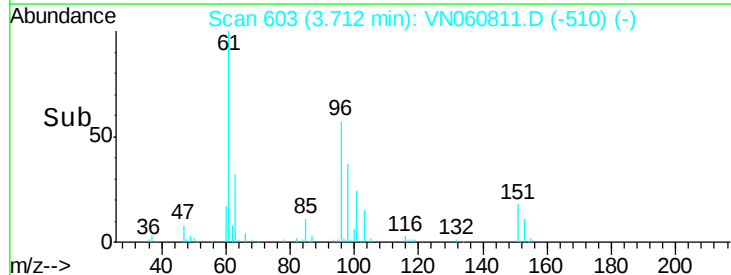
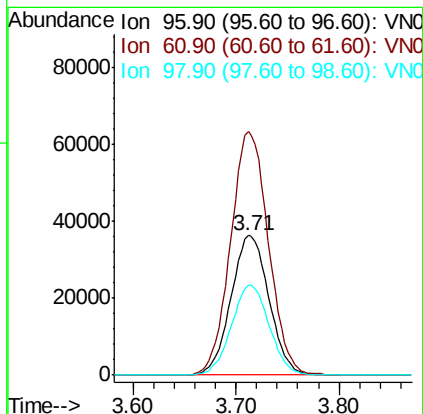
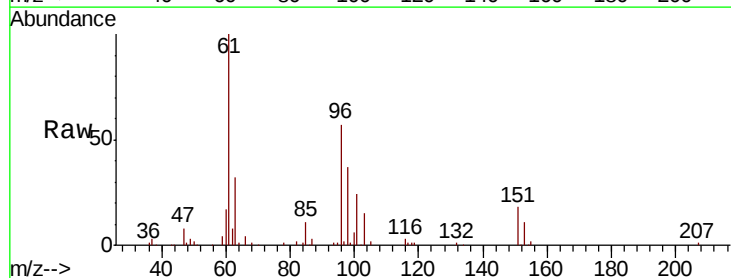
Tot Ion: 59 Resp: 96399
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

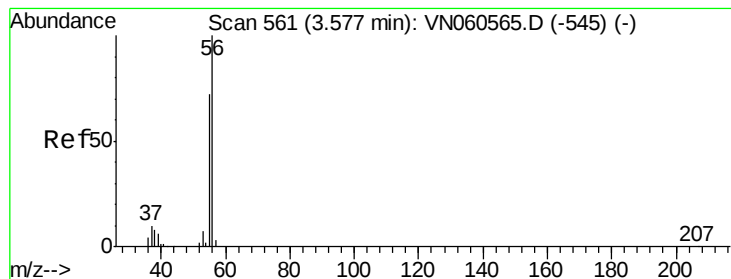


#12

1,1-Dichloroethene
Concen: 43.779 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 96 Resp: 93194
Ion Ratio Lower Upper
96 100
61 174.2 134.1 201.1
98 64.4 49.9 74.9





#13

Acrolein

Concen: 240.693 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

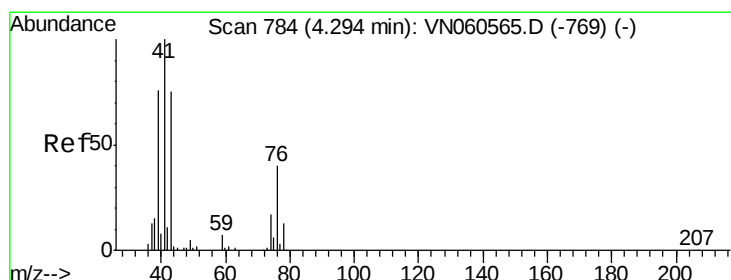
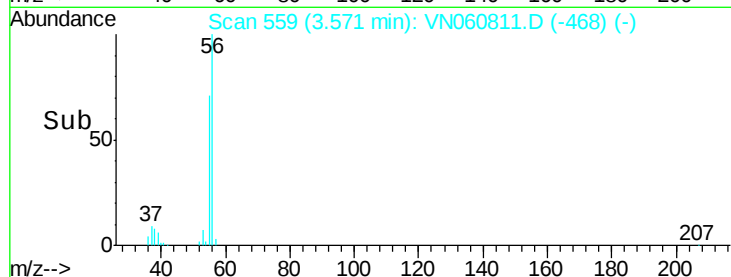
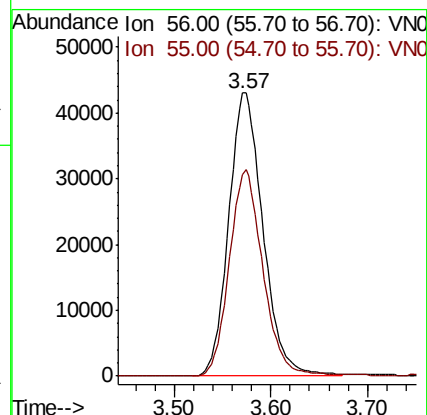
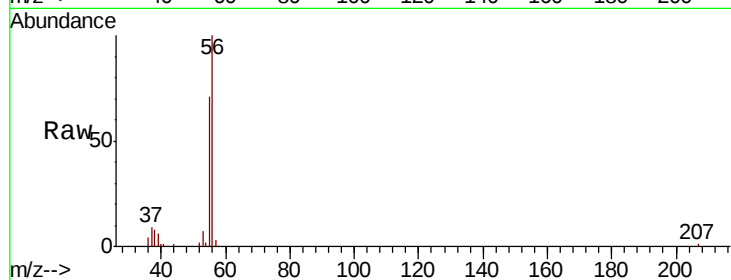
VSTDCCC050EC

Tot Ion: 56 Resp: 105889

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 46.153 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

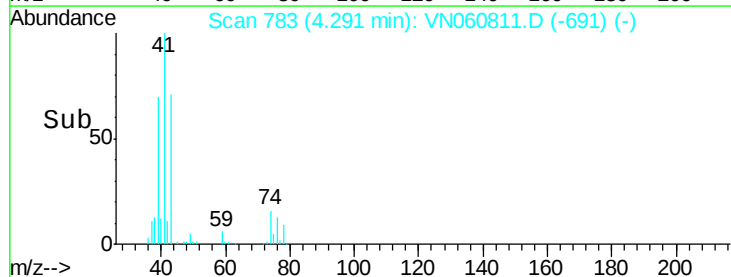
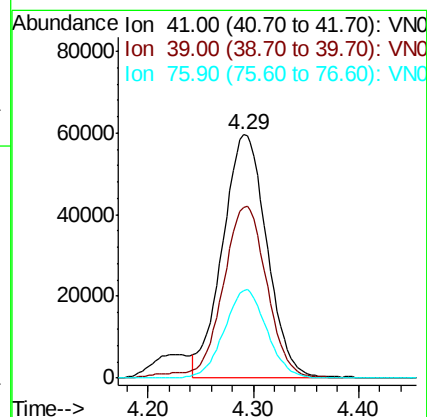
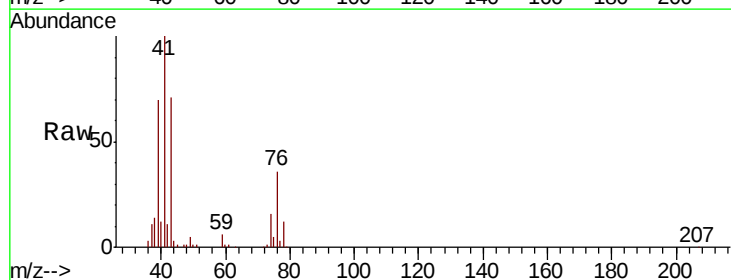
Tgt Ion: 41 Resp: 172795

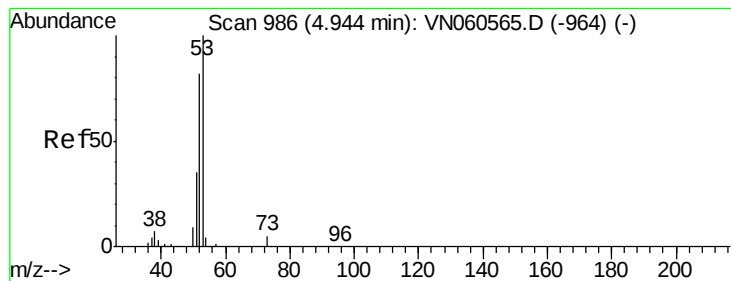
Ion Ratio Lower Upper

41 100

39 71.4 57.8 86.8

76 35.0 28.6 43.0





#15

Acrylonitrile

Concen: 239.834 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

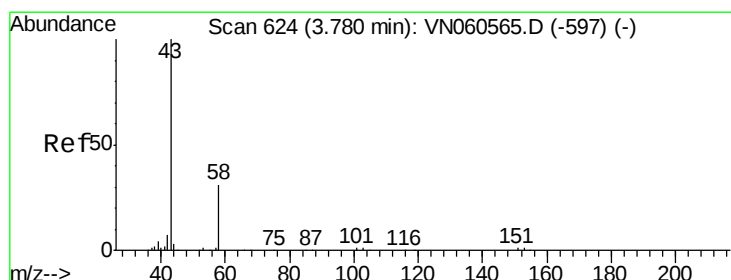
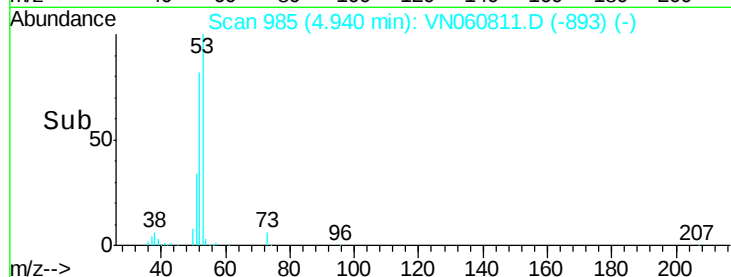
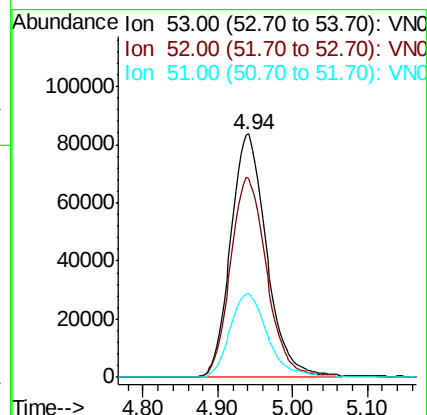
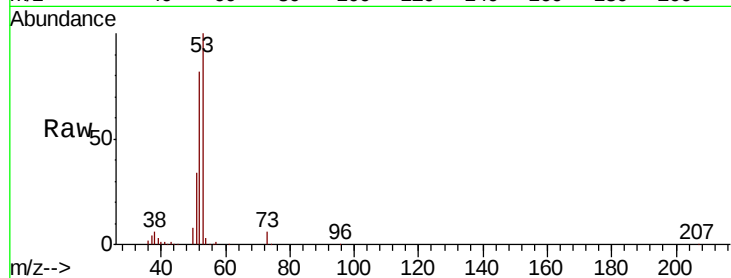
Tot Ion: 53 Resp: 279948

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

51 36.1 28.7 43.1



#16

Acetone

Concen: 246.383 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN060811.D

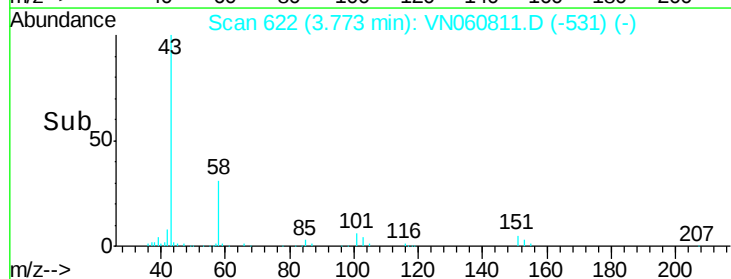
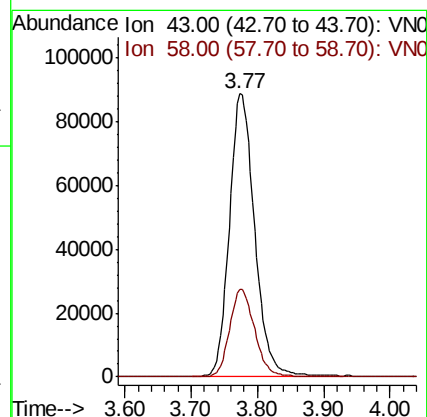
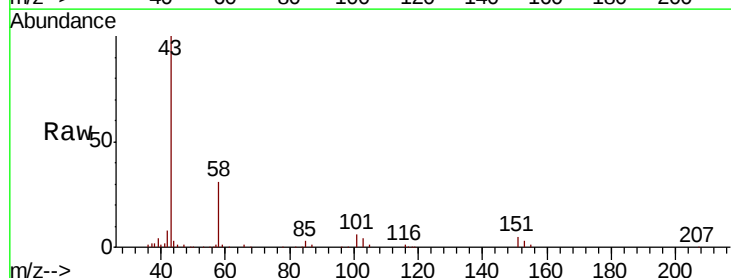
Acq: 1 Apr 2020 15:38

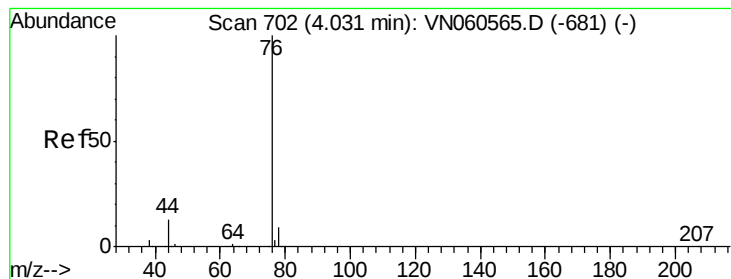
Tgt Ion: 43 Resp: 235558

Ion Ratio Lower Upper

43 100

58 30.9 25.1 37.7





#17

Carbon Disulfide

Concen: 41.507 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

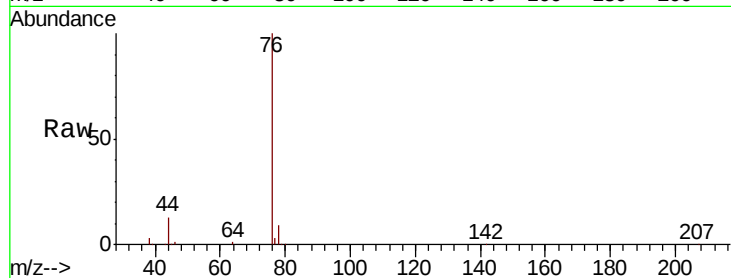
VSTDCCC050EC

Tot Ion: 76 Resp: 268718

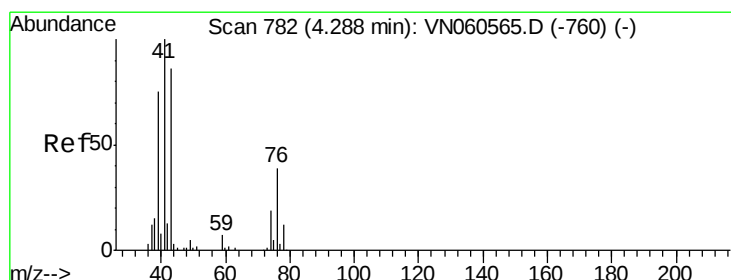
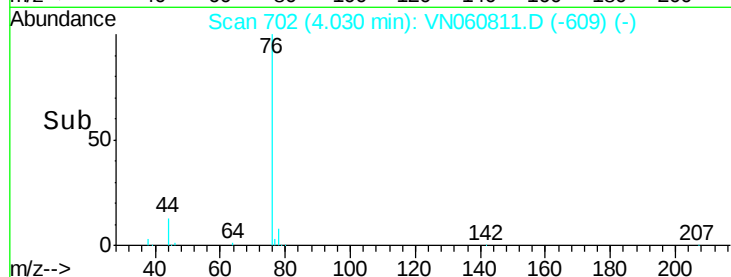
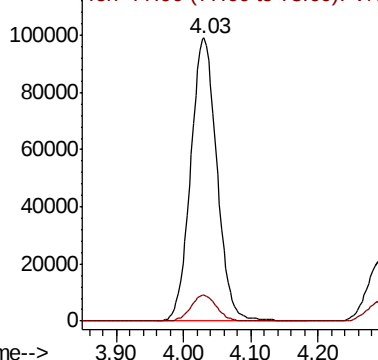
Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 48.869 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060811.D

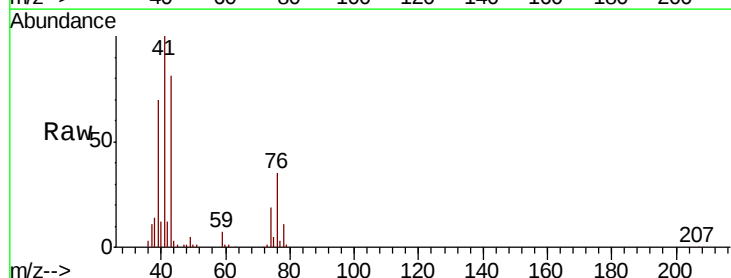
Acq: 1 Apr 2020 15:38

Tgt Ion: 43 Resp: 131511

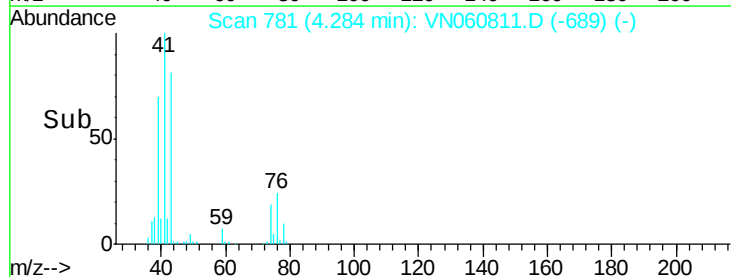
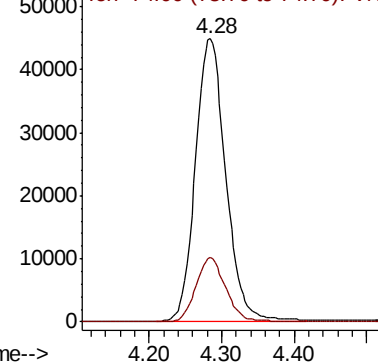
Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

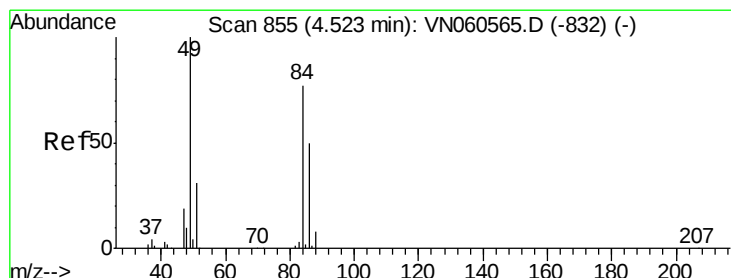
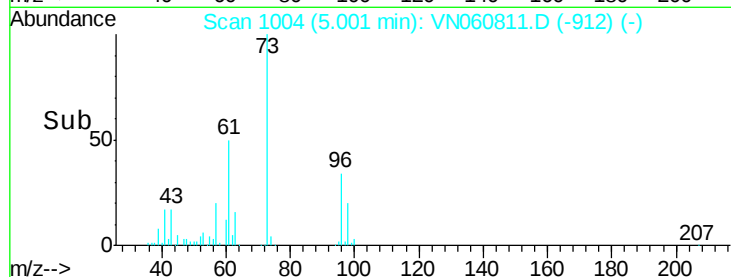
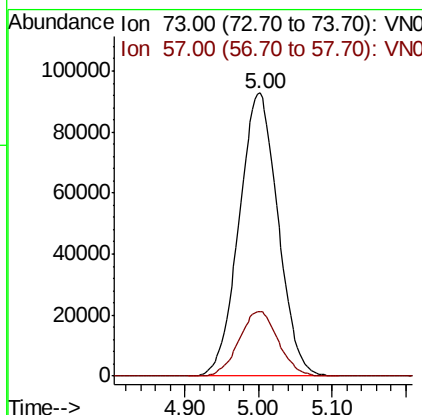
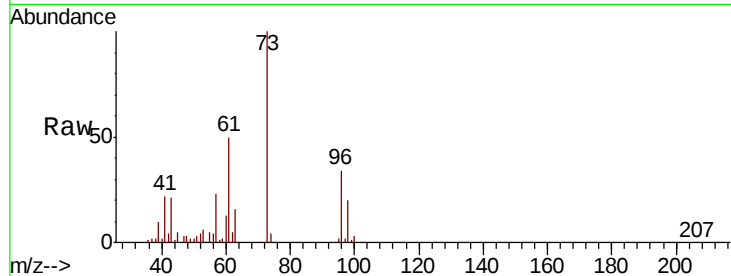




#19
Methvl tert-butvl Ether
Concen: 46.529 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

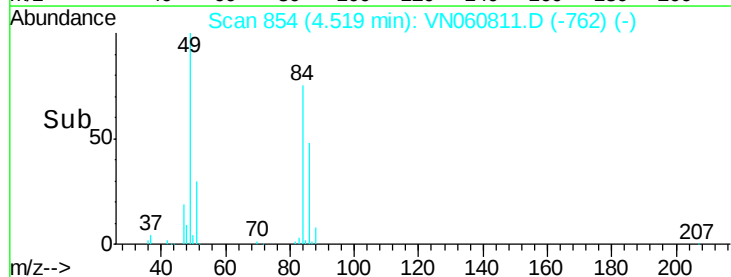
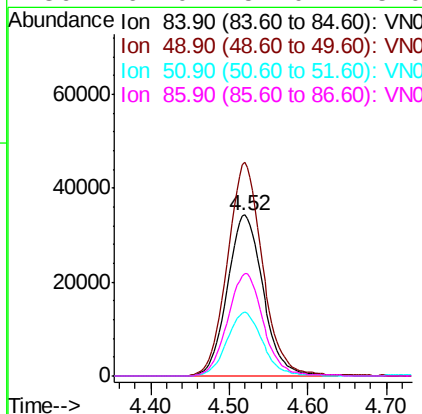
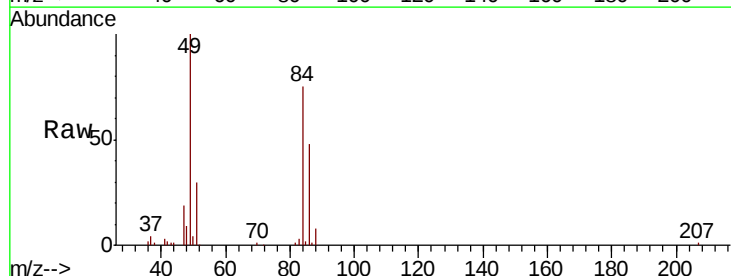
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

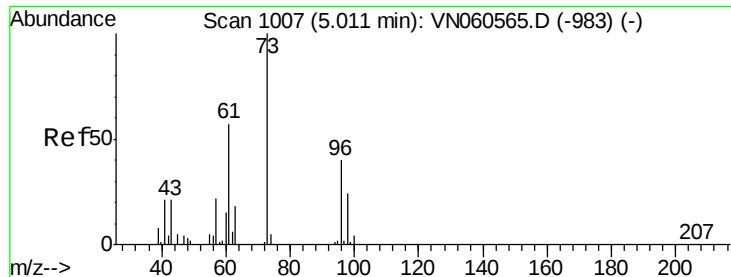
Tot Ion: 73 Resp: 340538
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 46.159 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 84 Resp: 108560
Ion Ratio Lower Upper
84 100
49 132.8 103.3 154.9
51 39.8 31.6 47.4
86 64.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.281 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

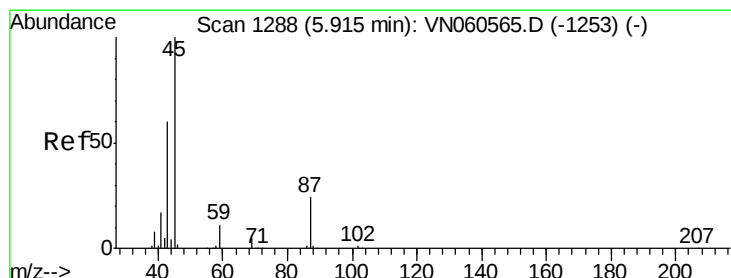
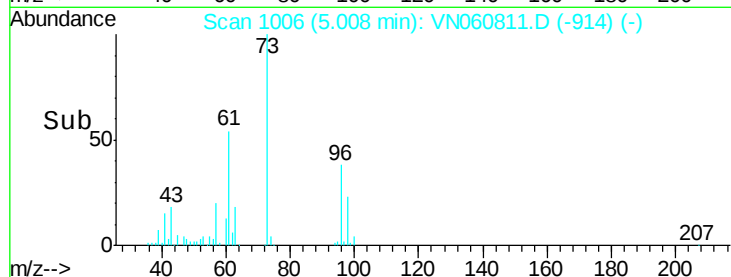
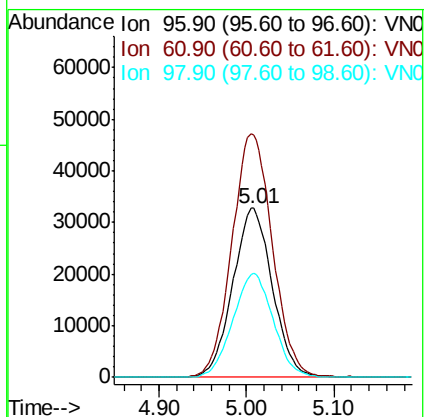
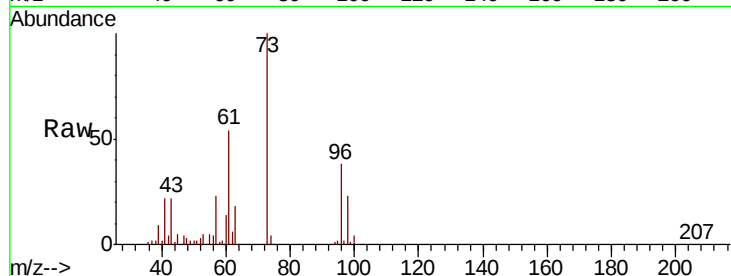
Tot Ion: 96 Resp: 102731

Ion Ratio Lower Upper

96 100

61 143.1 114.4 171.6

98 61.5 48.4 72.6



#22

Diisopropyl ether

Concen: 48.653 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion: 45 Resp: 384839

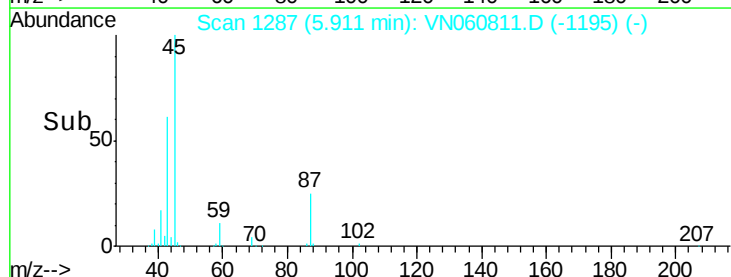
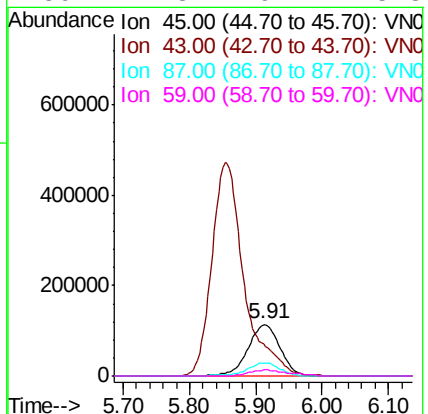
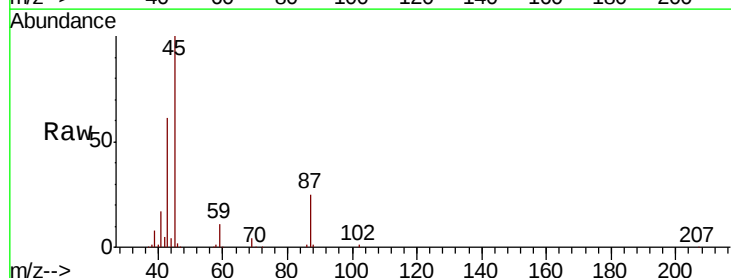
Ion Ratio Lower Upper

45 100

43 60.4 49.8 74.8

87 25.1 20.1 30.1

59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 246.979 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

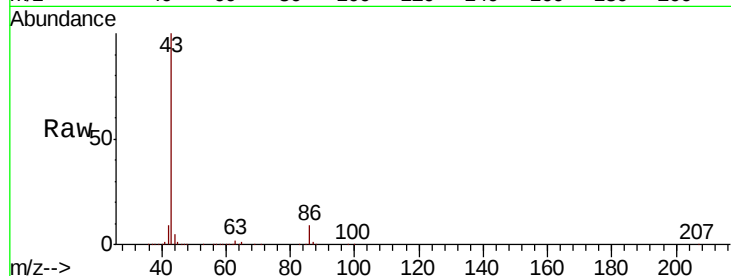
VSTDCCC050EC

Tot Ion: 43 Resp: 1593939

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

500000

400000

300000

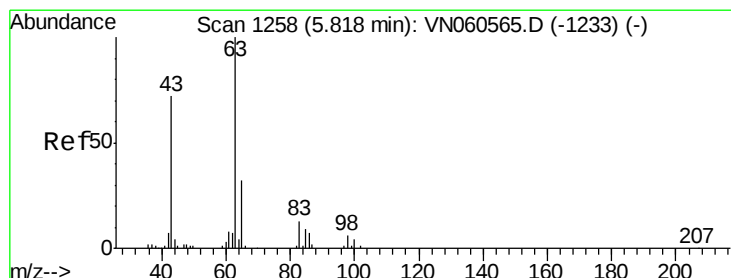
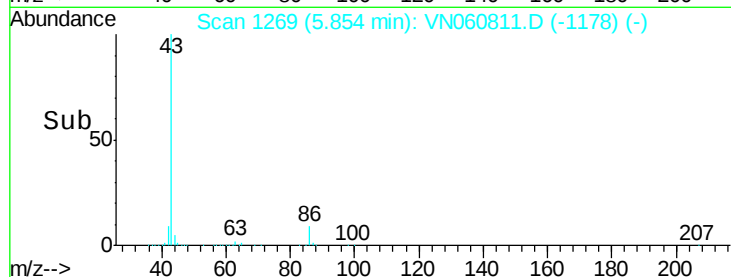
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.357 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

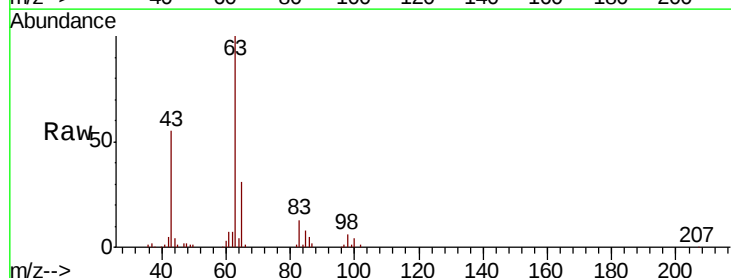
Tgt Ion: 63 Resp: 204204

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

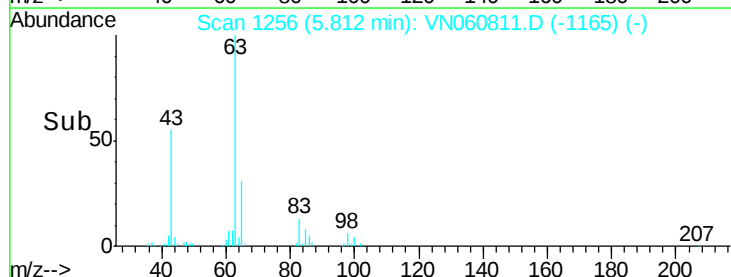
40000

20000

0

5.70 5.80 5.90

Time-->

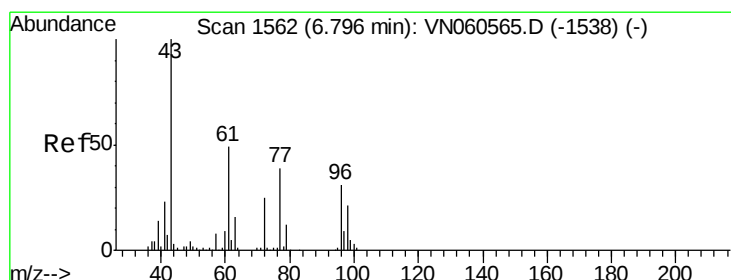
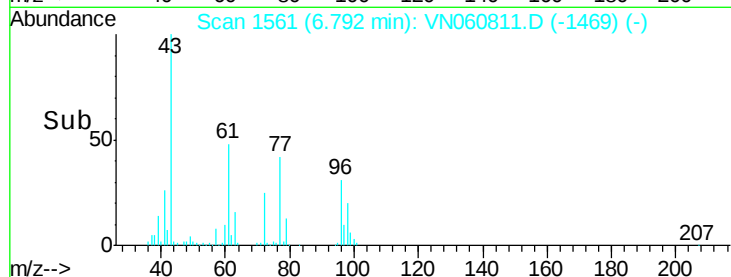
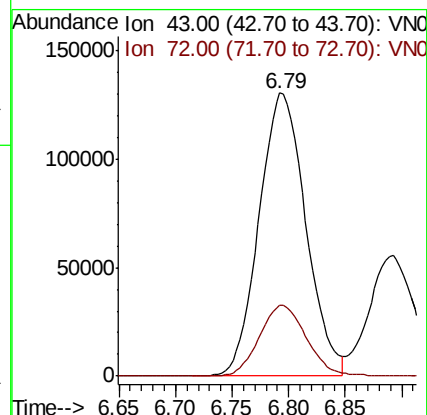
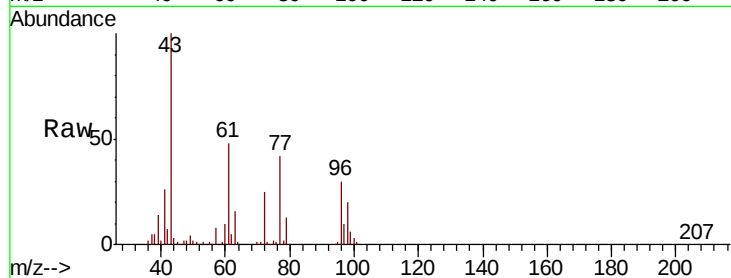




#25
2-Butanone
Concen: 241.534 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

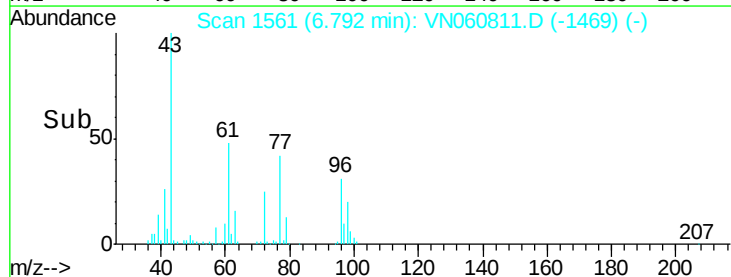
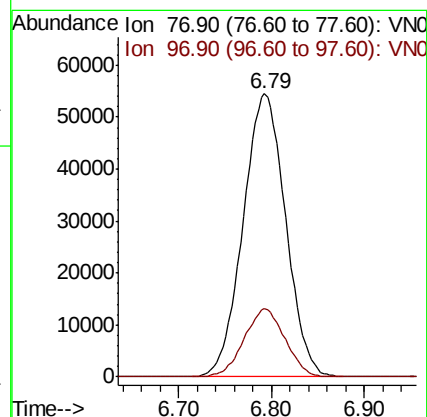
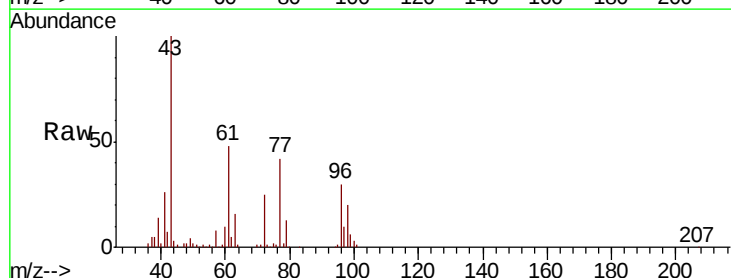
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 373671
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6



#26
2,2-Dichloropropane
Concen: 51.143 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 77 Resp: 173510
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.1

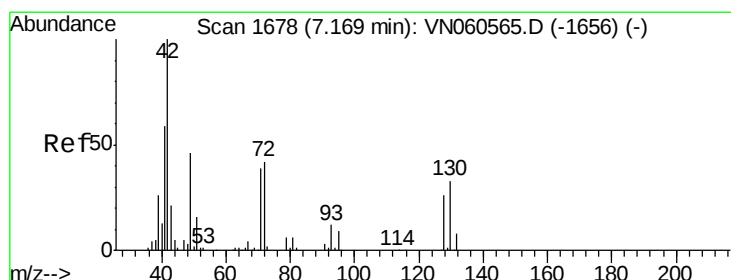
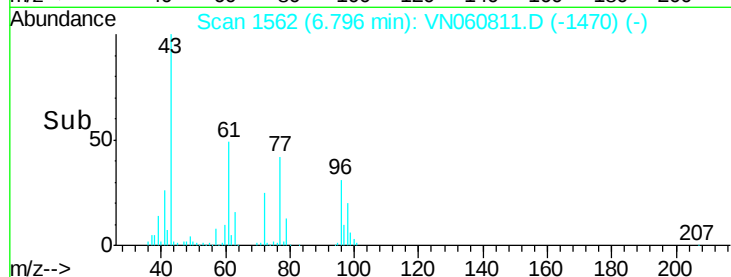
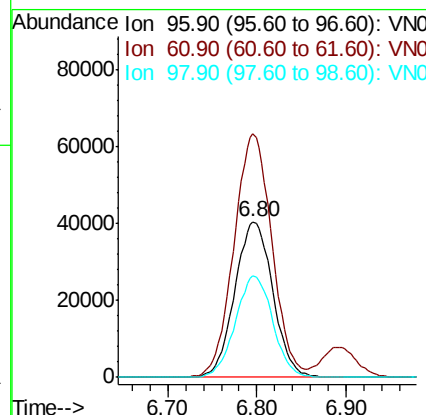
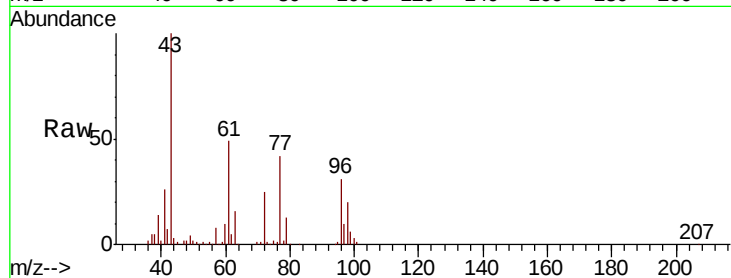




#27
 cis-1,2-Dichloroethene
 Concen: 46.455 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

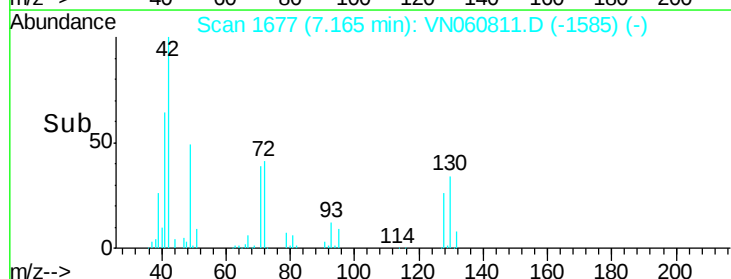
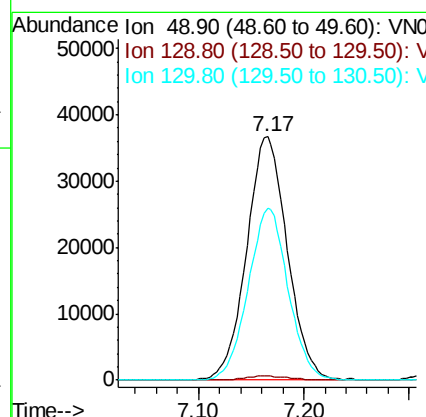
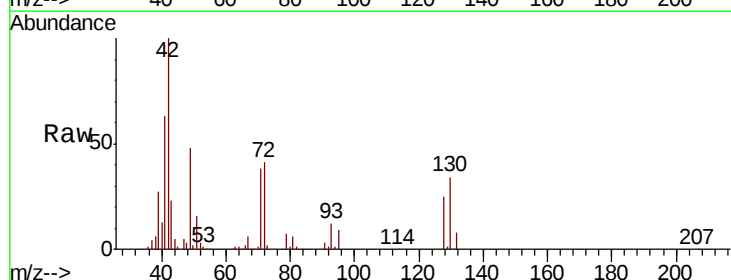
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 119769
 Ion Ratio Lower Upper
 96 100
 61 156.3 0.0 305.6
 98 64.0 0.0 127.6



#28
 Bromochloromethane
 Concen: 47.750 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 49 Resp: 98512
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 69.3 55.0 82.4

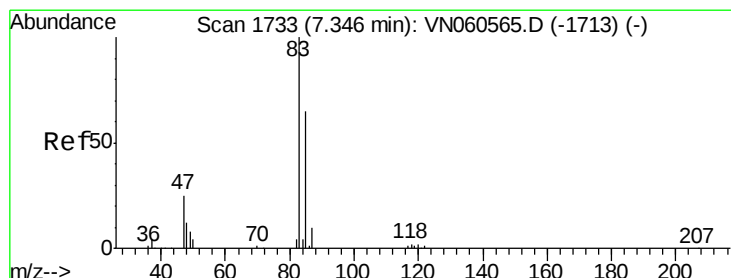
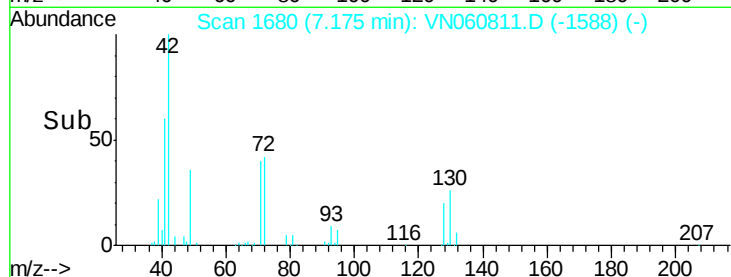
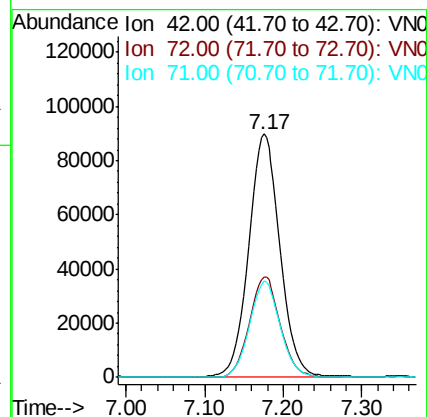
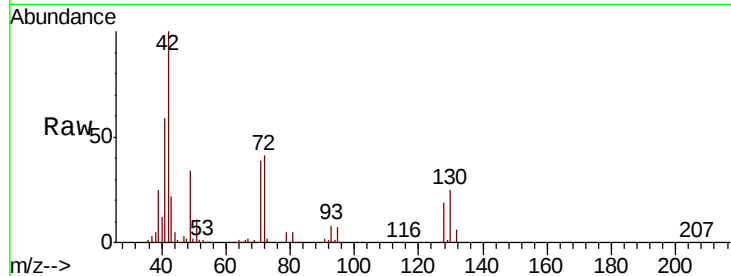




#29
Tetrahydrofuran
Concen: 231.135 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

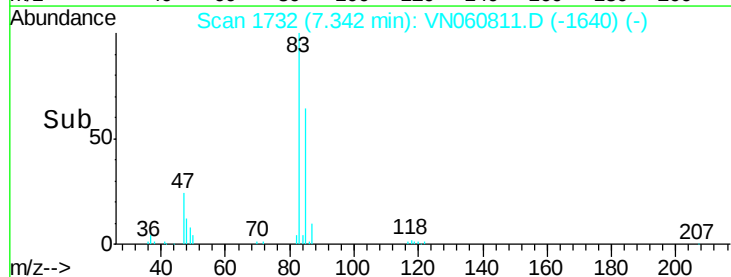
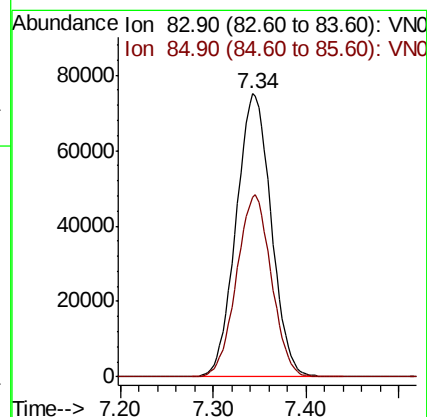
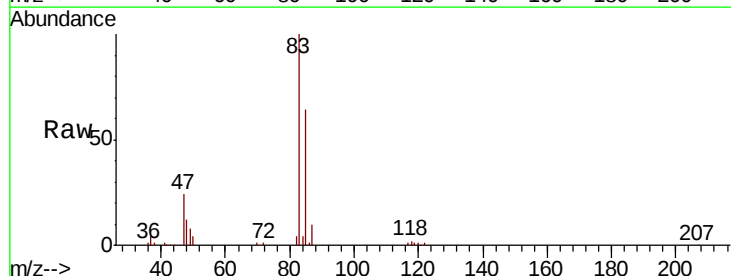
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

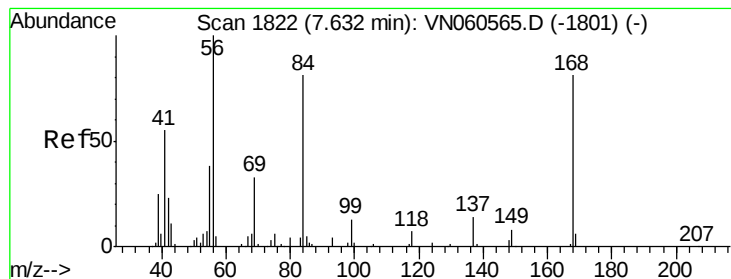
Tot Ion: 42 Resp: 253004
Ion Ratio Lower Upper
42 100
72 40.7 33.2 49.8
71 38.7 31.1 46.7



#30
Chloroform
Concen: 47.612 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 83 Resp: 196819
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.8





#31

Cyclohexane

Concen: 43.768 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

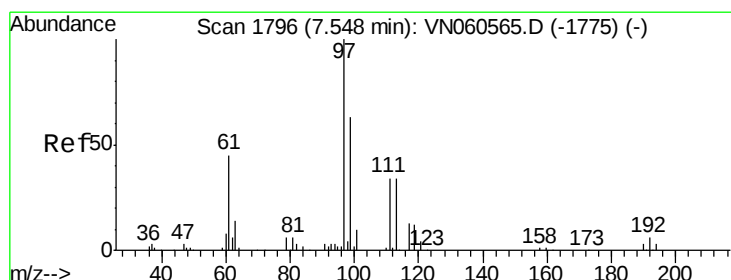
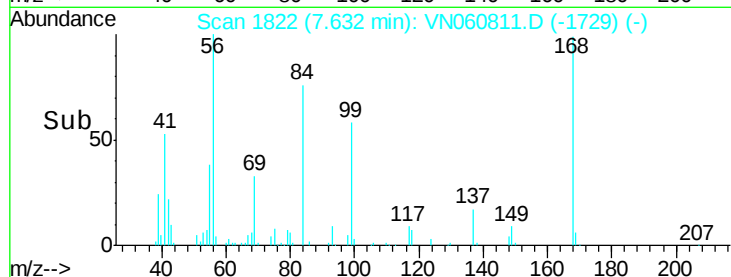
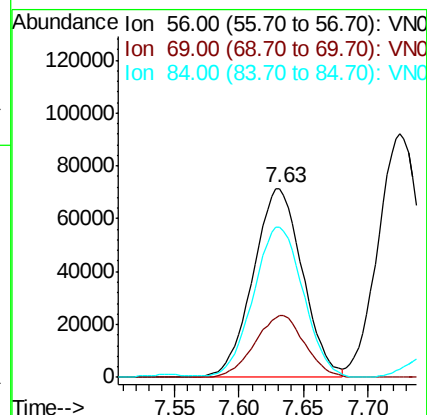
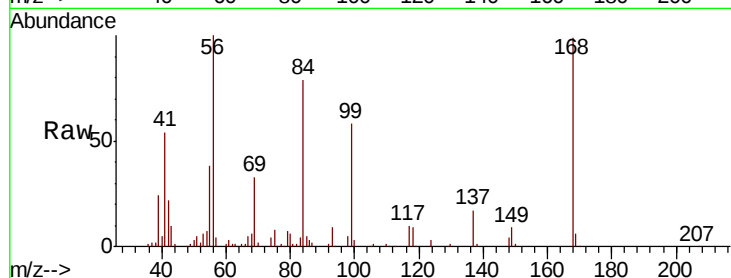
Tot Ion: 56 Resp: 190268

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

84 78.6 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 46.844 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

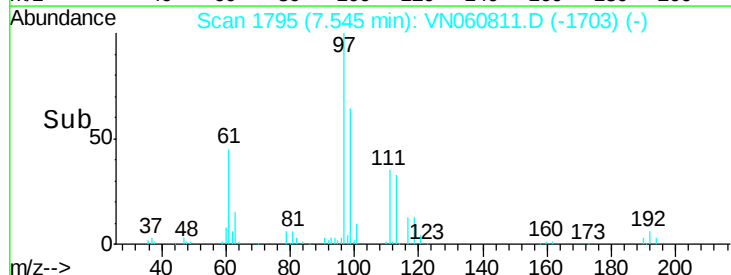
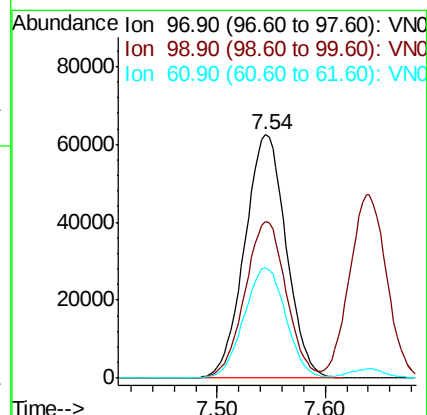
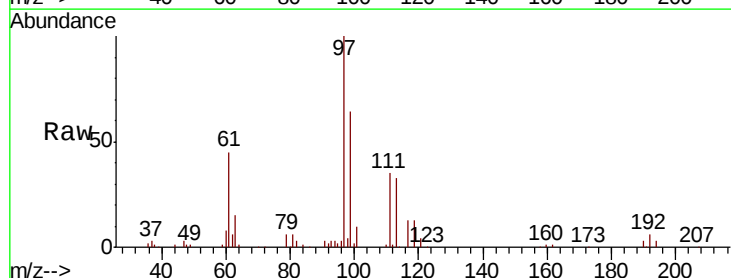
Tgt Ion: 97 Resp: 166932

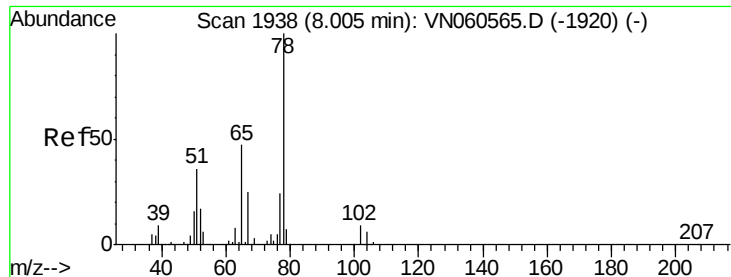
Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 45.9 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 47.130 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

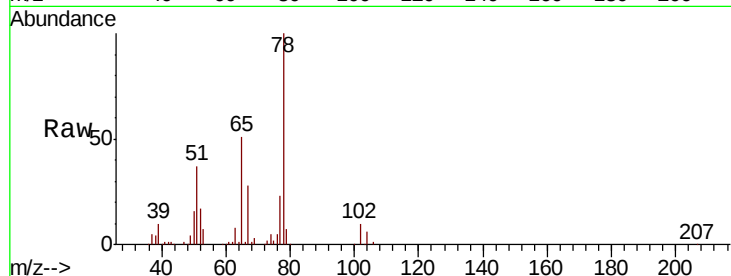
VSTDCCC050EC

Tot Ion: 65 Resp: 127206

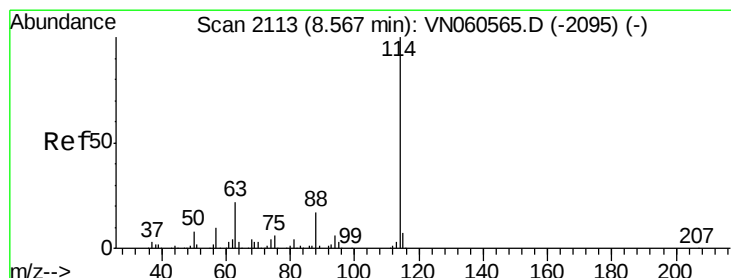
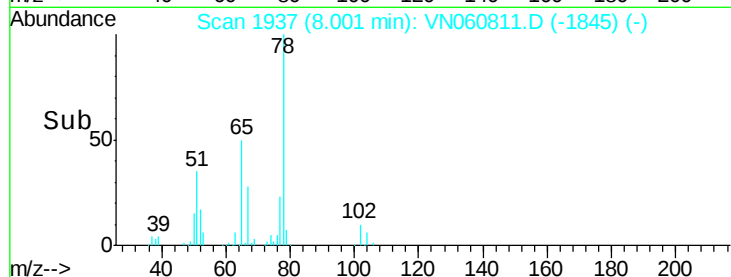
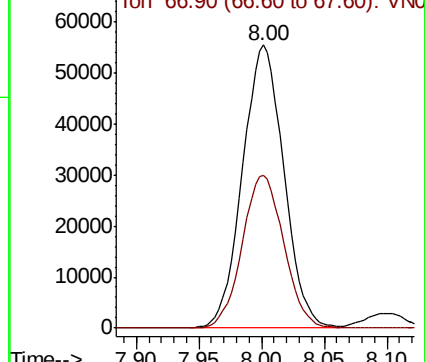
Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060811.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

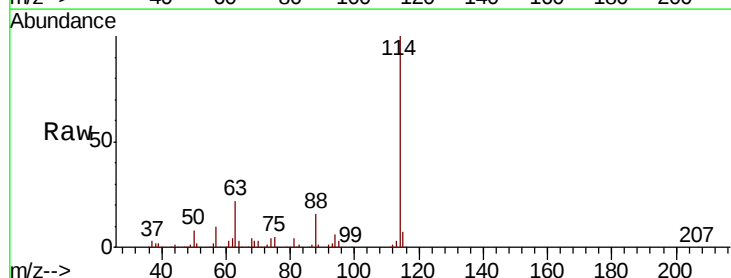
Tgt Ion: 114 Resp: 325198

Ion Ratio Lower Upper

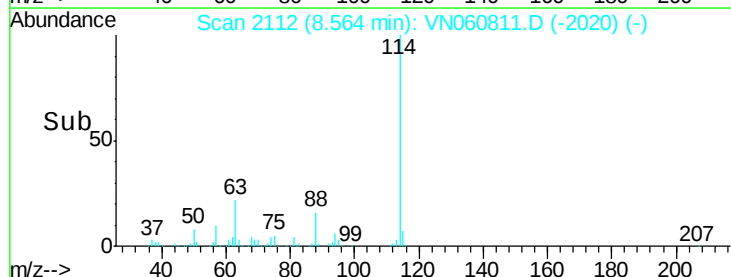
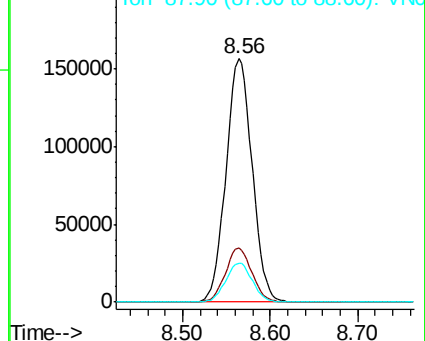
114 100

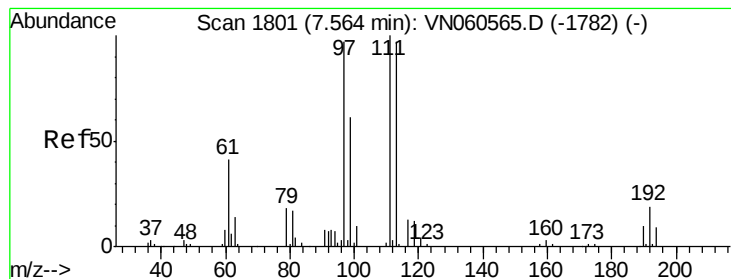
63 22.1 0.0 43.8

88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060811.D (-2020) (-)





#35

Dibromofluoromethane

Concen: 49.254 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

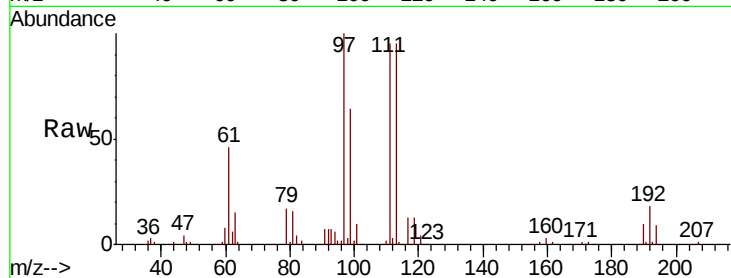
Tot Ion:113 Resp: 96851

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

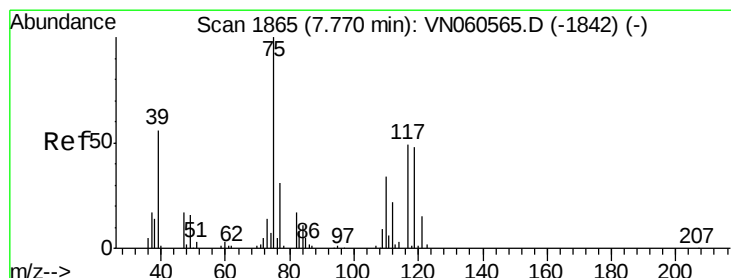
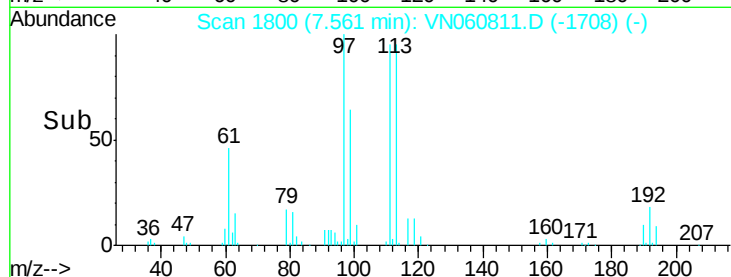
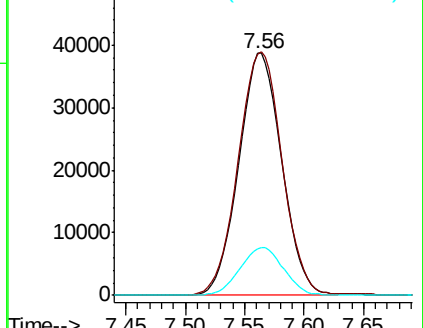
192 20.0 15.8 23.8



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: 47.626 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

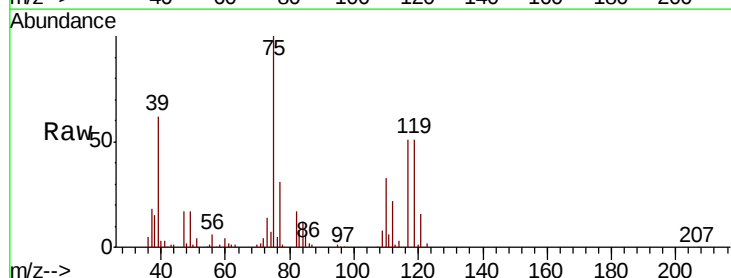
Tgt Ion: 75 Resp: 149972

Ion Ratio Lower Upper

75 100

110 33.5 16.9 50.6

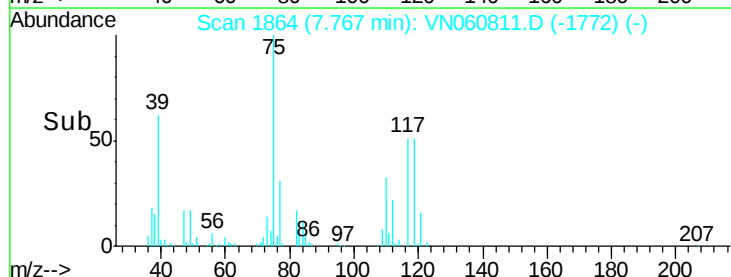
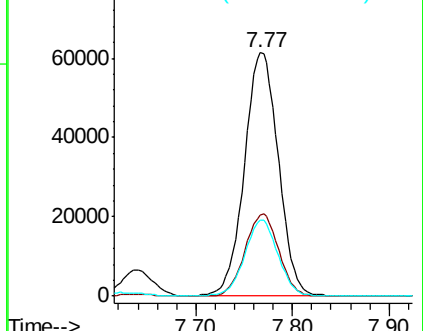
77 30.7 24.6 36.8

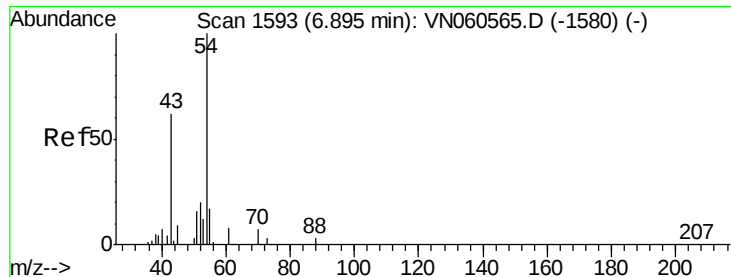


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

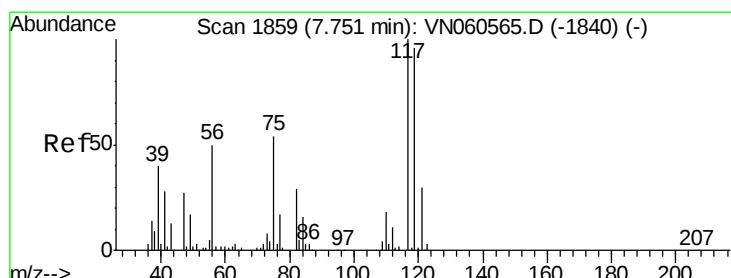
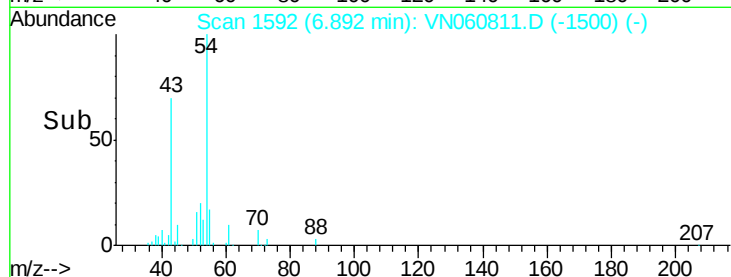
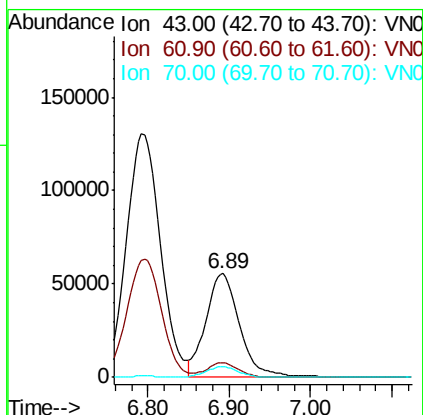
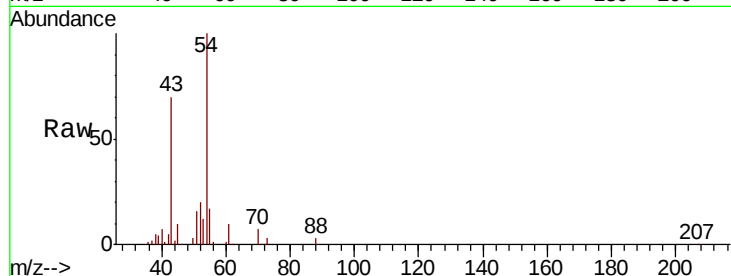




#37
Ethyl Acetate
Concen: 47.134 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

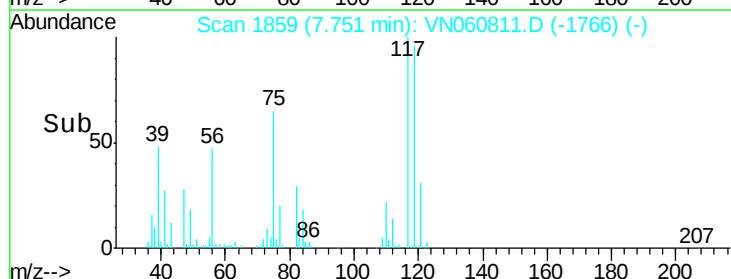
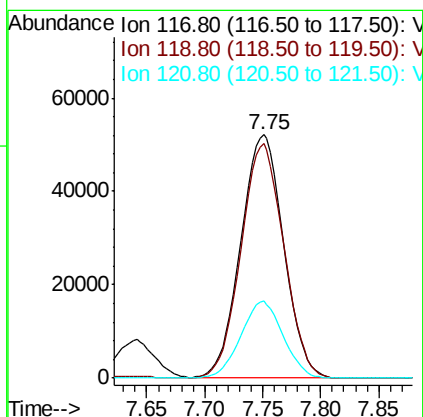
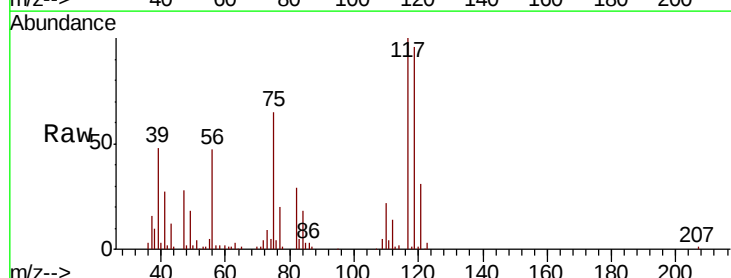
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

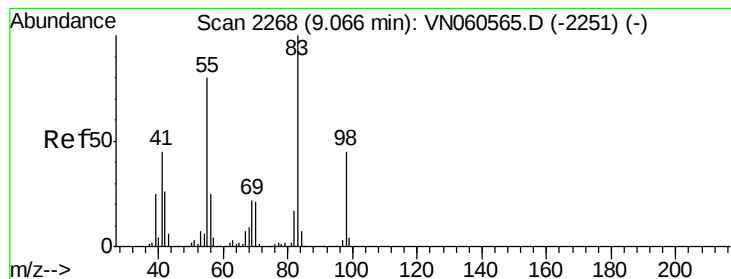
Tot Ion: 43 Resp: 160372
Ion Ratio Lower Upper
43 100
61 13.5 10.6 15.8
70 10.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 47.675 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 117 Resp: 134551
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 31.5 23.7 35.5





#39

Methvlcvclohexane

Concen: 48.494 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

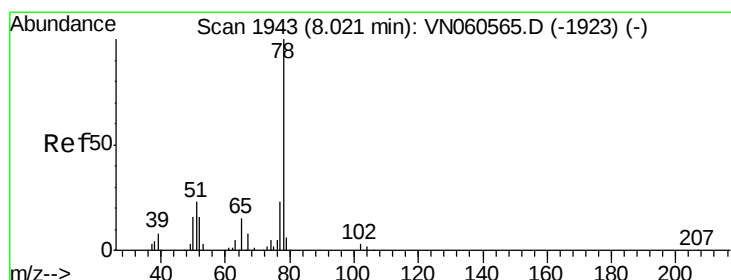
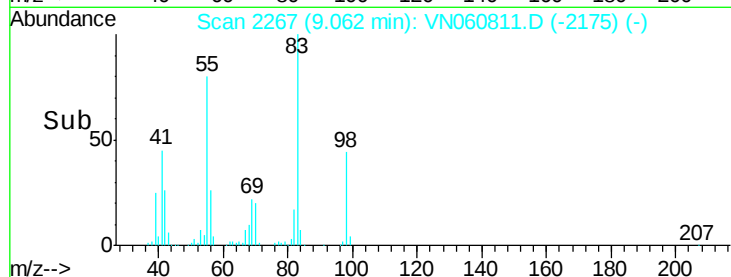
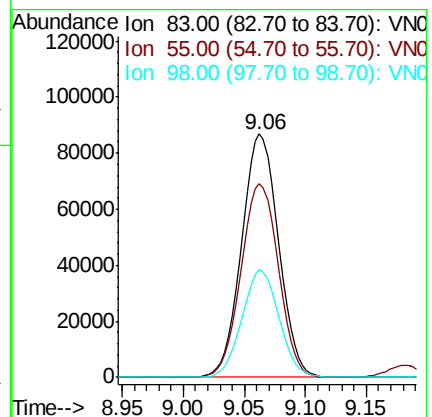
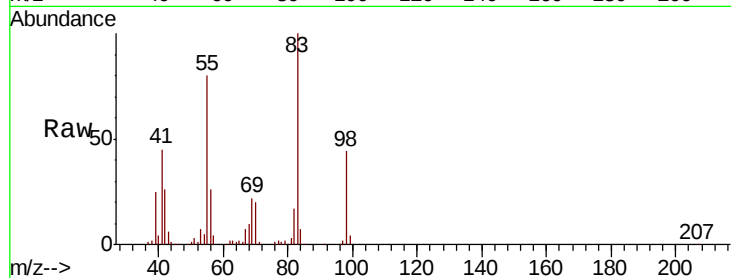
Tot Ion: 83 Resp: 181468

Ion Ratio Lower Upper

83 100

55 79.6 63.6 95.4

98 44.1 36.0 54.0



#40

Benzene

Concen: 47.457 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060811.D

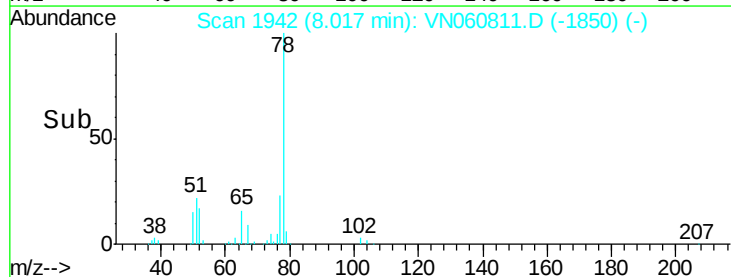
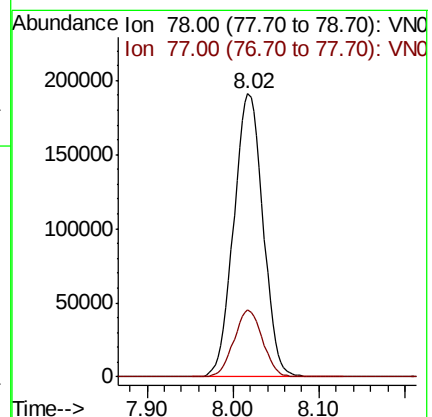
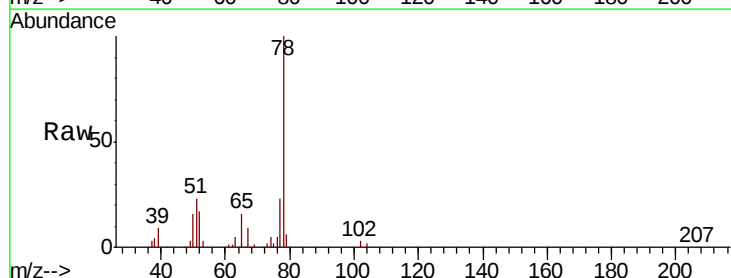
Acq: 1 Apr 2020 15:38

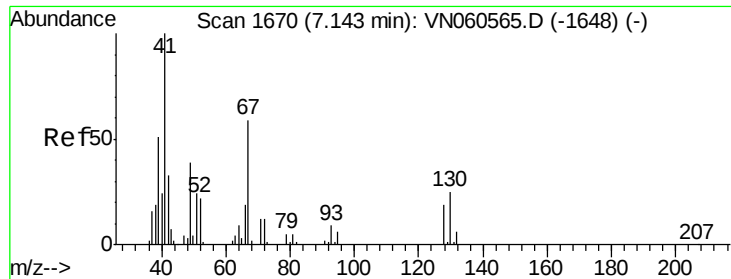
Tgt Ion: 78 Resp: 451118

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0

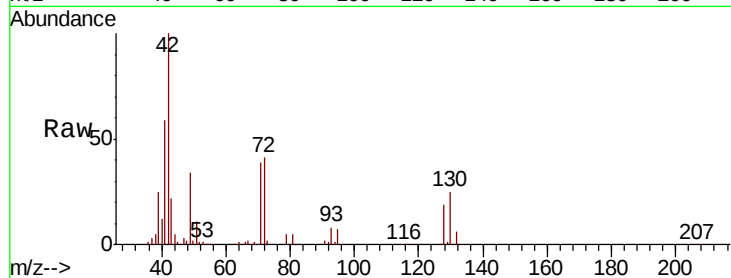




#41
Methacrylonitrile
Concen: 156.523 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	227285
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



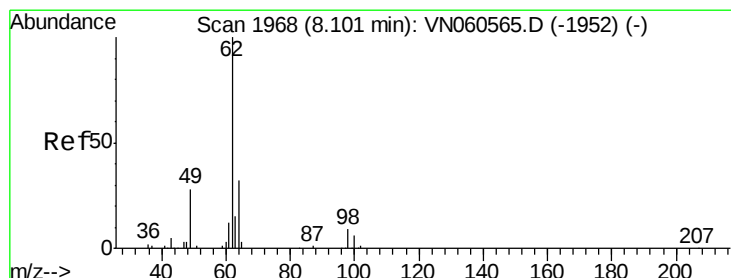
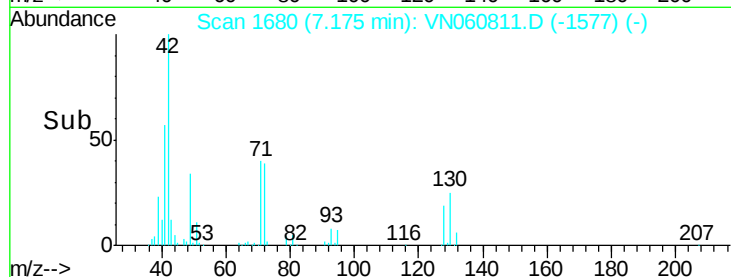
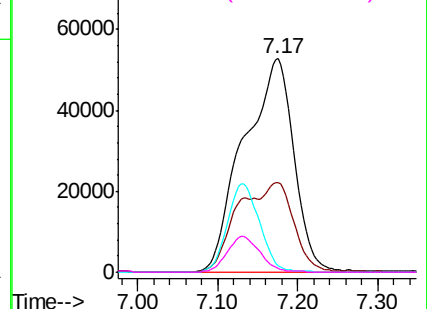
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

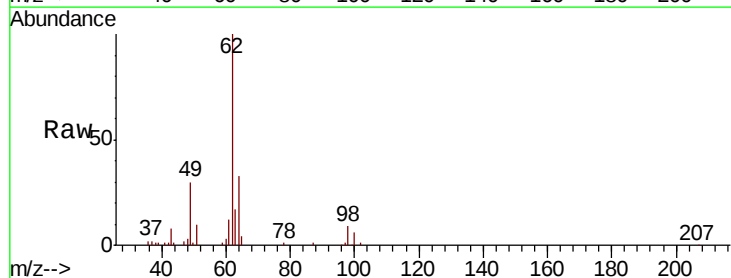
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 47.638 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

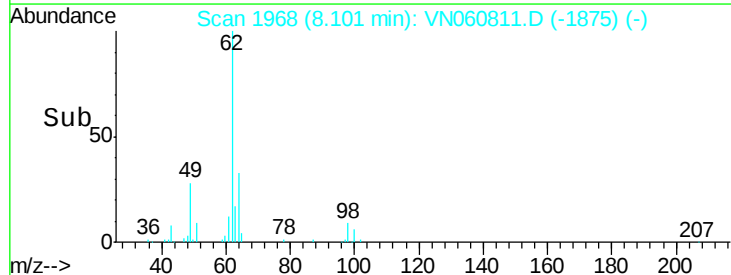
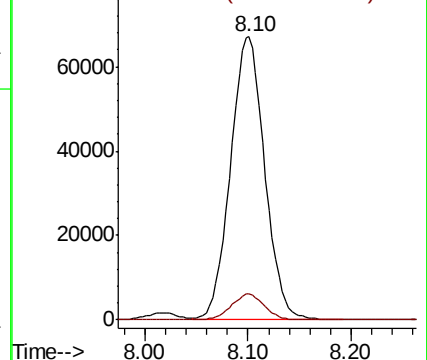
Tgt Ion:	62	Resp:	154758
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8

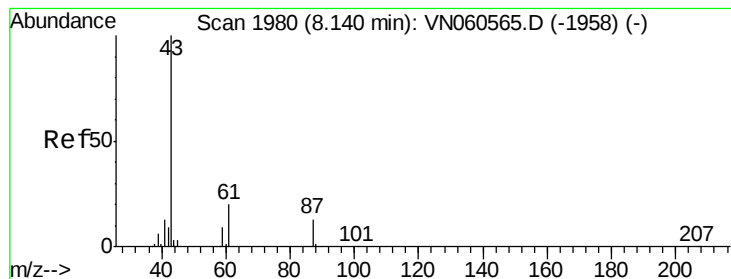


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.943 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

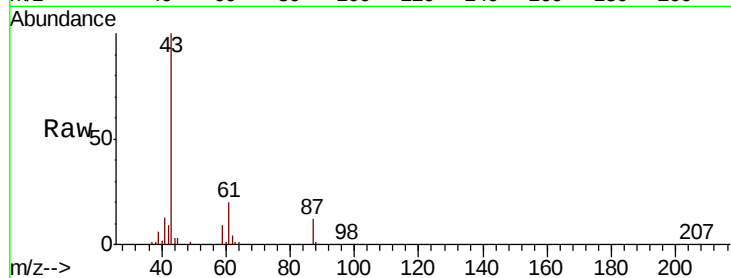
Tot Ion: 43 Resp: 269026

Ion Ratio Lower Upper

43 100

61 26.0 20.7 31.1

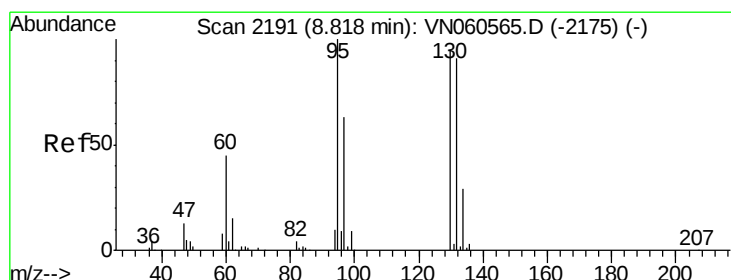
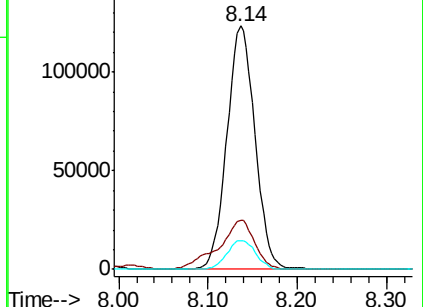
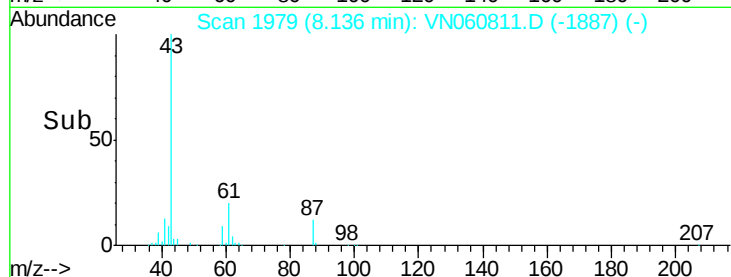
87 12.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060811.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060811.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060811.D (-1887) (-)



#44

Trichloroethene

Concen: 46.966 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060811.D

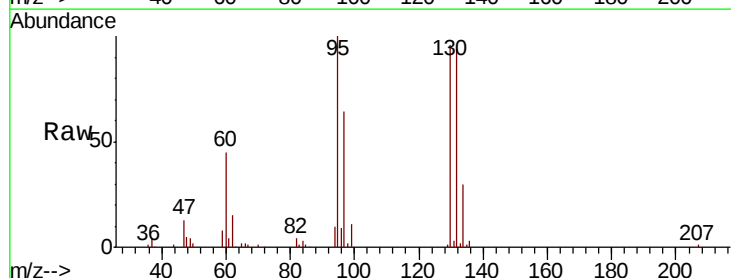
Acq: 1 Apr 2020 15:38

Tgt Ion:130 Resp: 112545

Ion Ratio Lower Upper

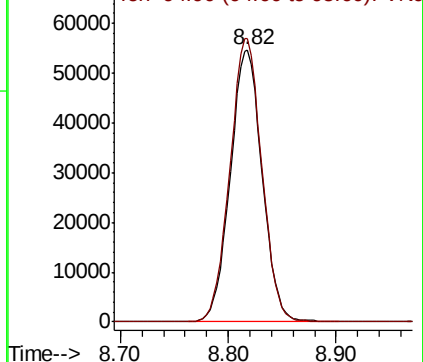
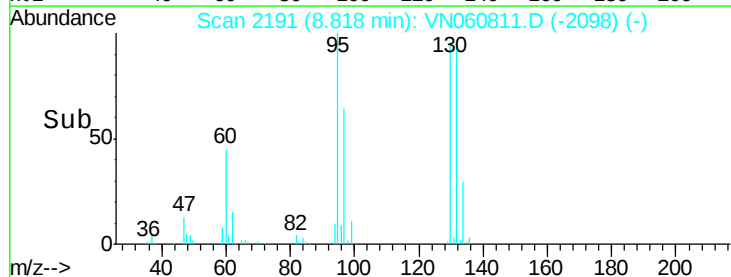
130 100

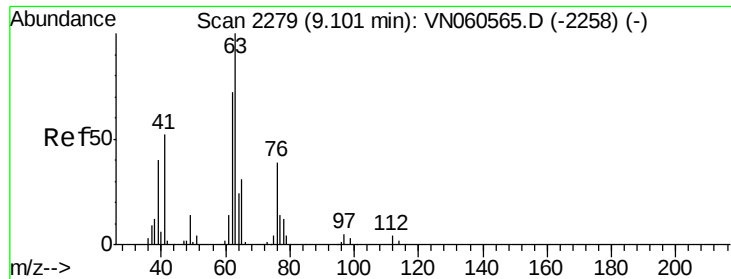
95 103.9 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060811.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060811.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 49.035 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

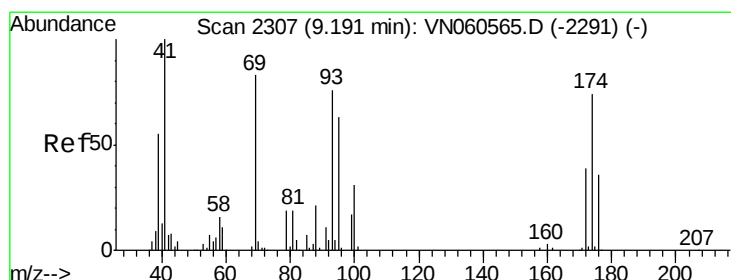
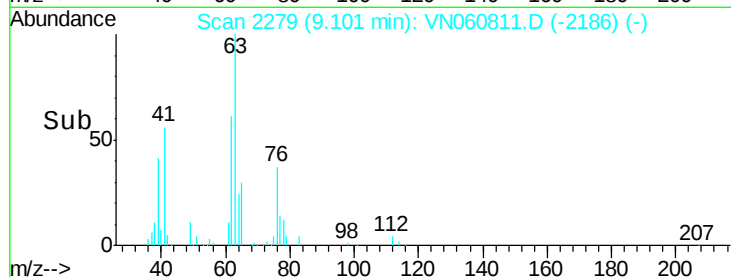
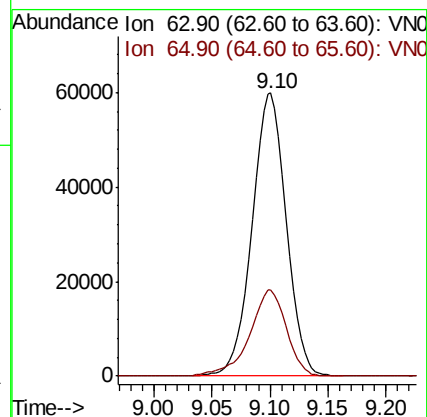
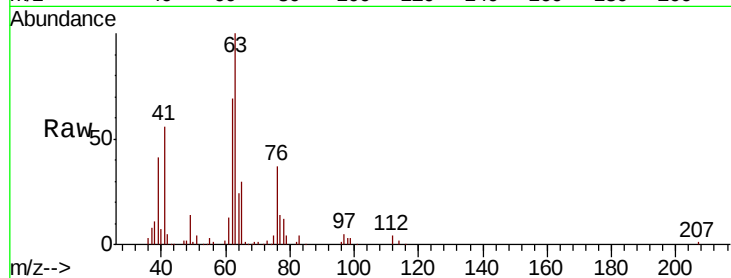
VSTDCCC050EC

Tot Ion: 63 Resp: 122993

Ion Ratio Lower Upper

63 100

65 30.5 25.4 38.0



#46

Dibromomethane

Concen: 48.529 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

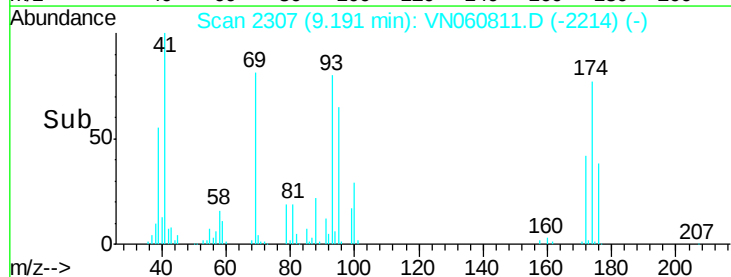
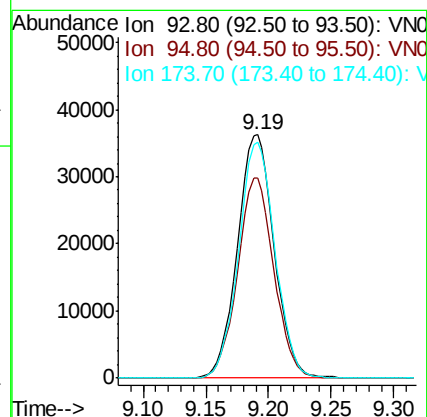
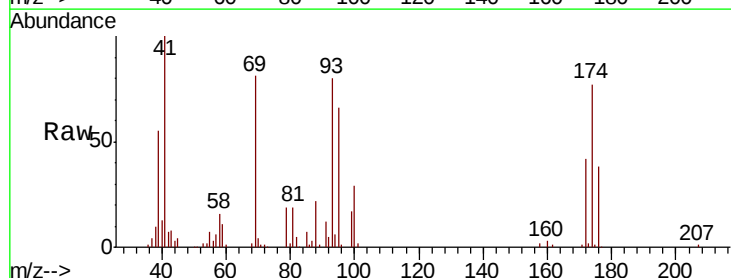
Tgt Ion: 93 Resp: 73590

Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.4

174 96.1 77.9 116.9





#47

Bromodichloromethane

Concen: 48.788 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

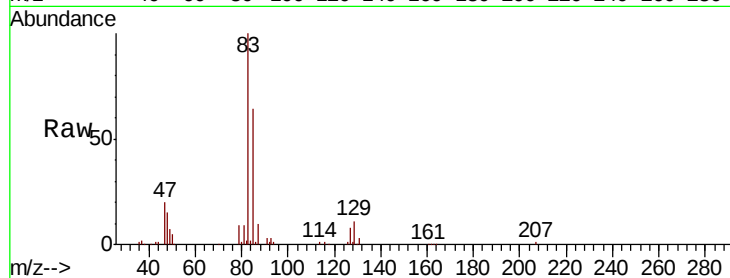
Tot Ion: 83 Resp: 153737

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.6

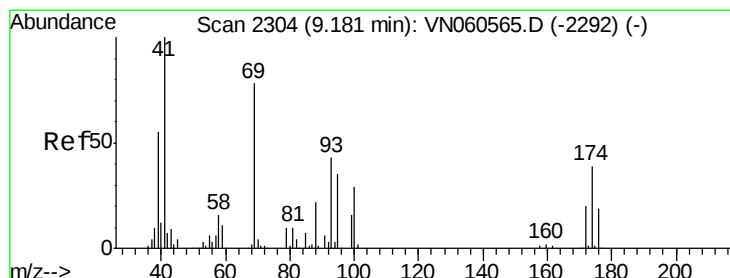
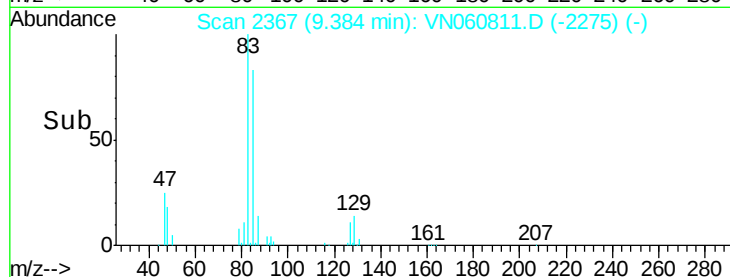
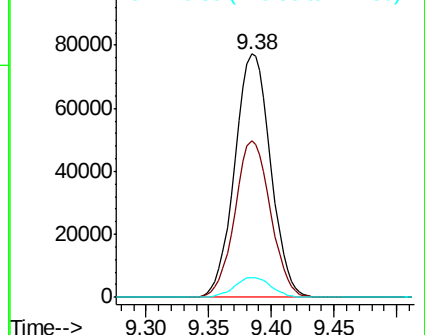
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060811.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060811.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060811.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.048 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

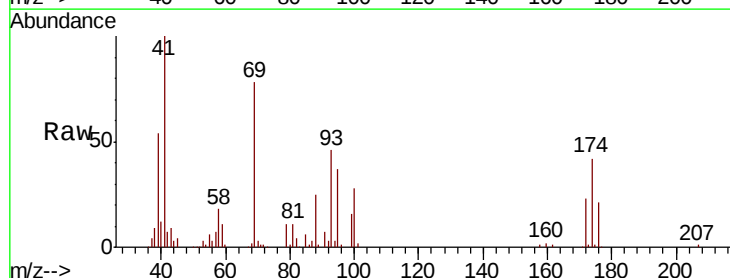
Tgt Ion: 41 Resp: 122538

Ion Ratio Lower Upper

41 100

69 80.9 65.4 98.0

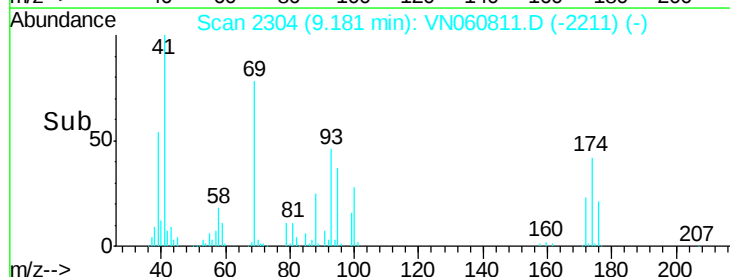
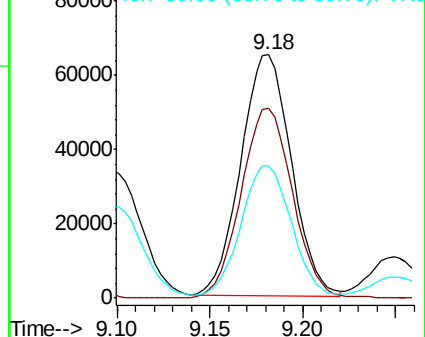
39 53.5 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060811.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060811.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060811.D (-2211) (-)

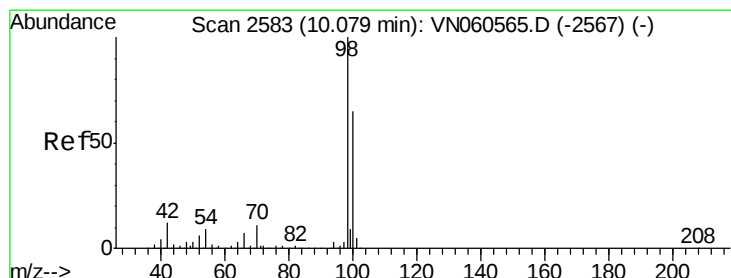
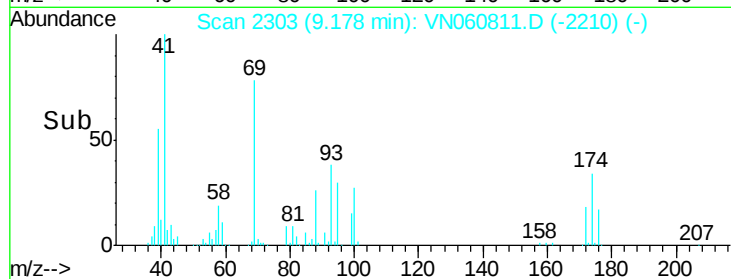
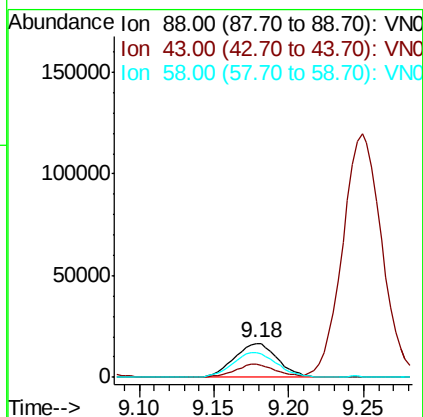
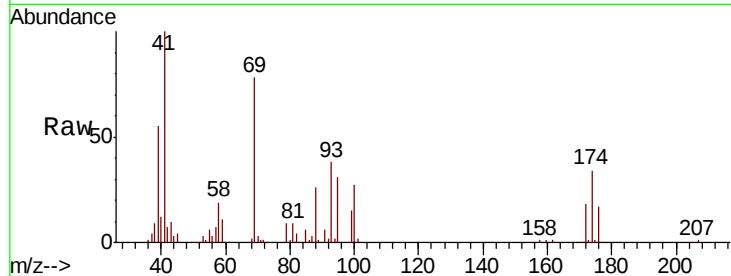




#49
 1,4-Dioxane
 Concen: 1140.337 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

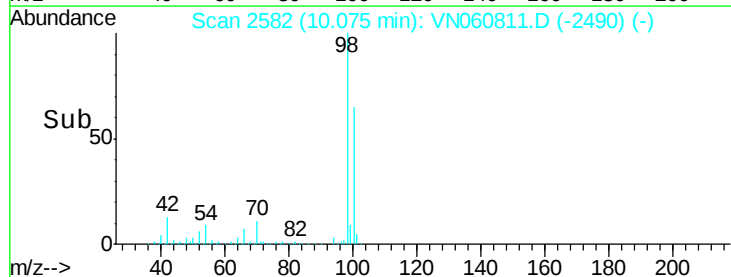
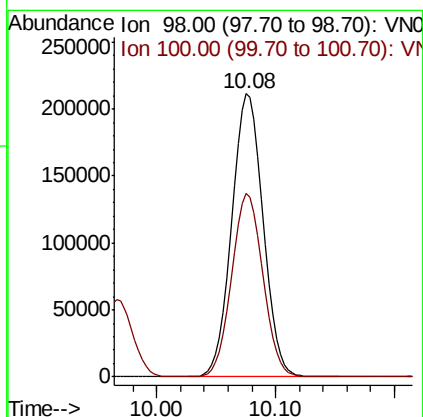
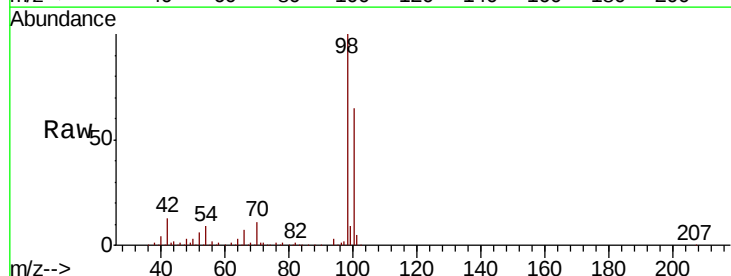
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 33863
 Ion Ratio Lower Upper
 88 100
 43 36.7 30.8 46.2
 58 74.2 59.8 89.8



#50
 Toluene-d8
 Concen: 47.987 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 98 Resp: 385421
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 246.932 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

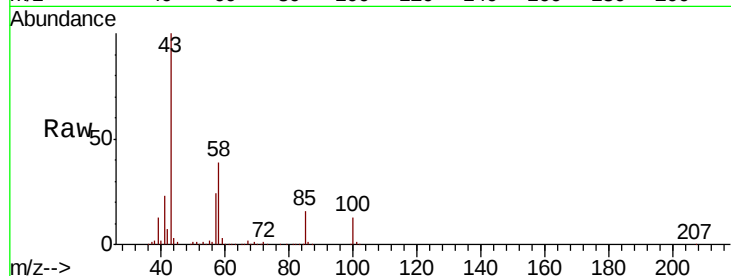
VSTDCCC050EC

Tot Ion: 43 Resp: 788479

Ion Ratio Lower Upper

43 100

58 38.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060811.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060811.D (-2456) (-)

9.97

400000

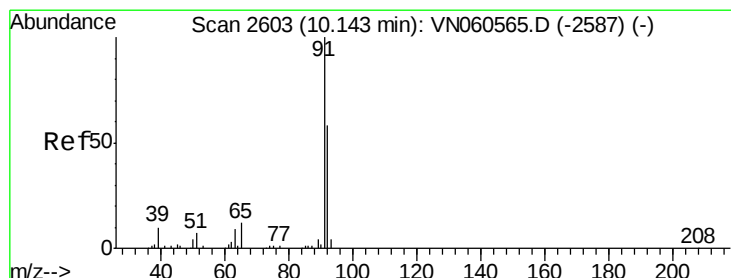
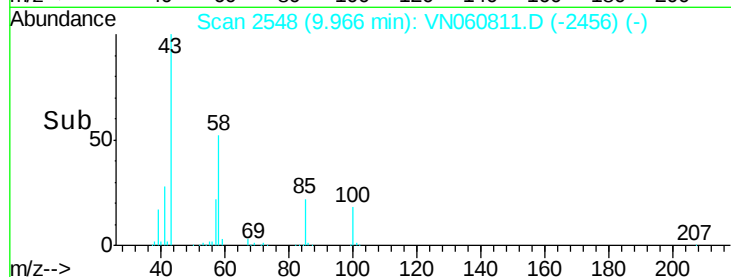
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.357 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060811.D

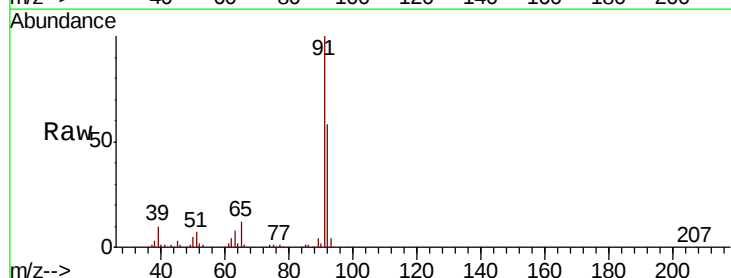
Acq: 1 Apr 2020 15:38

Tgt Ion: 92 Resp: 271871

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060811.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060811.D (-2510) (-)

10.14

300000

250000

200000

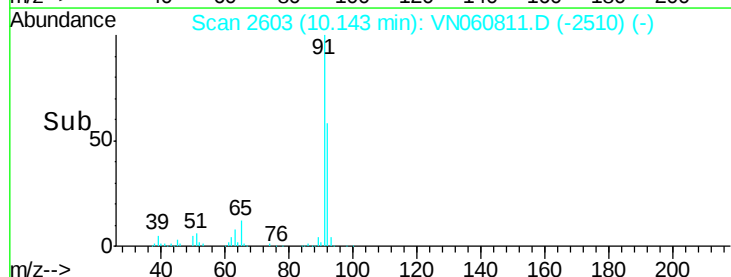
150000

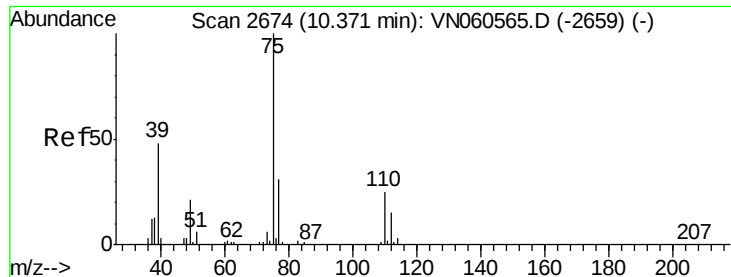
100000

50000

0

Time-->

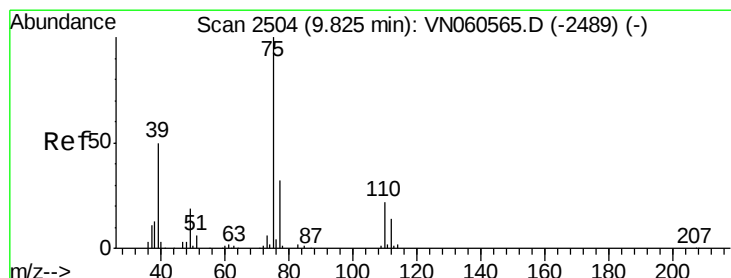
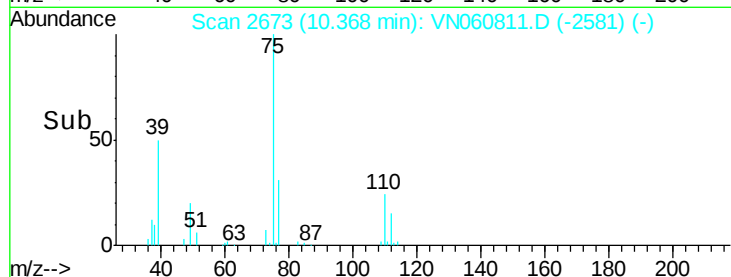
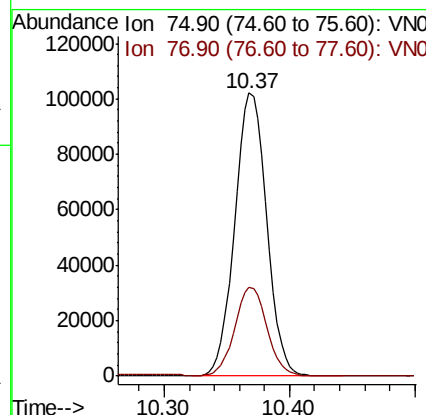
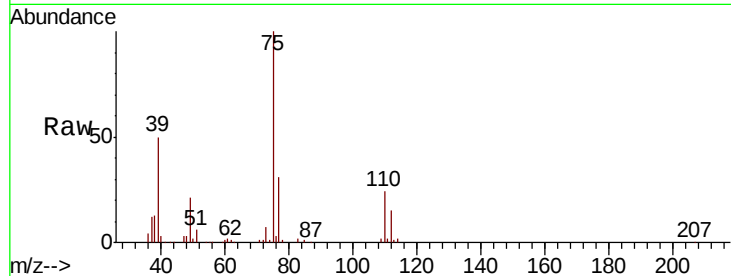




#53
 t-1,3-Dichloropropene
 Concen: 49.848 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

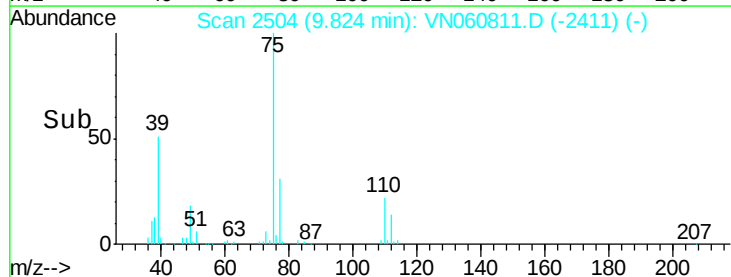
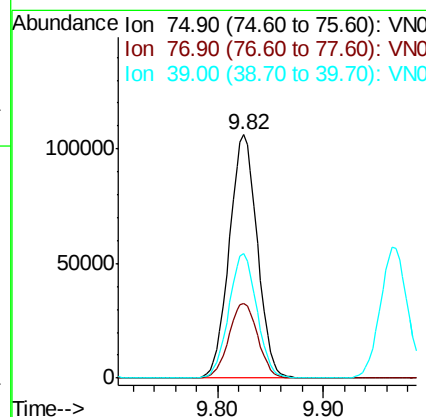
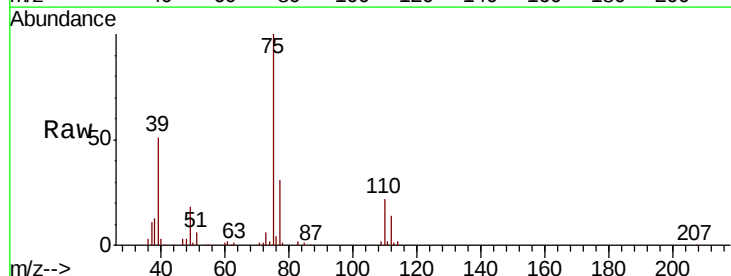
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

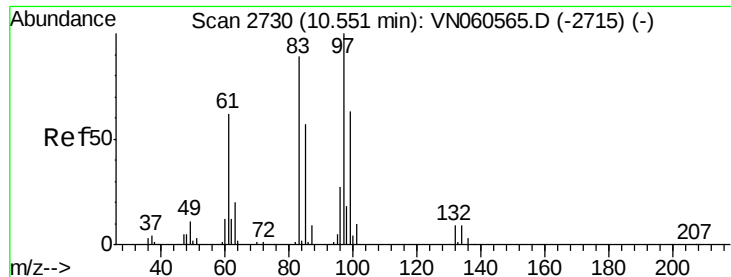
Tot Ion: 75 Resp: 180430
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 48.987 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 75 Resp: 194522
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.0
 39 51.1 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 48.083 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 106195

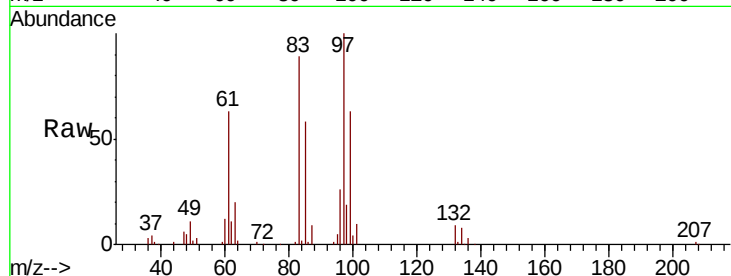
Ion Ratio Lower Upper

97 100

83 89.3 71.3 106.9

85 58.4 45.2 67.8

99 62.8 50.1 75.1

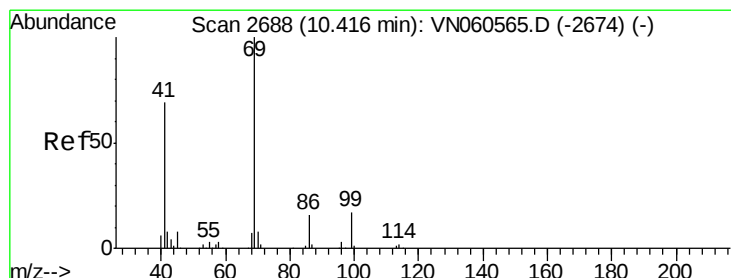
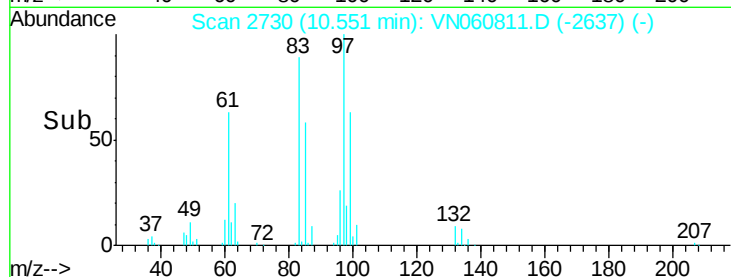
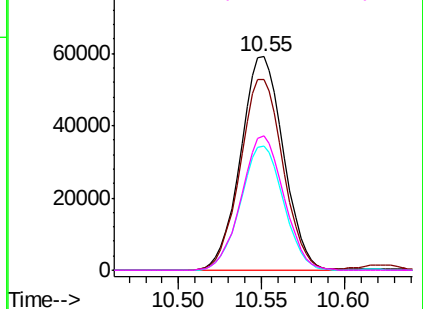


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.293 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

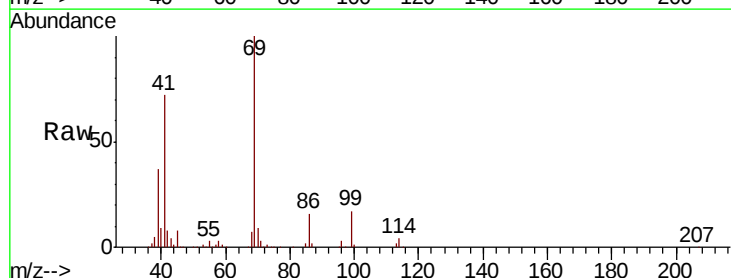
Tgt Ion: 69 Resp: 169751

Ion Ratio Lower Upper

69 100

41 70.9 55.4 83.2

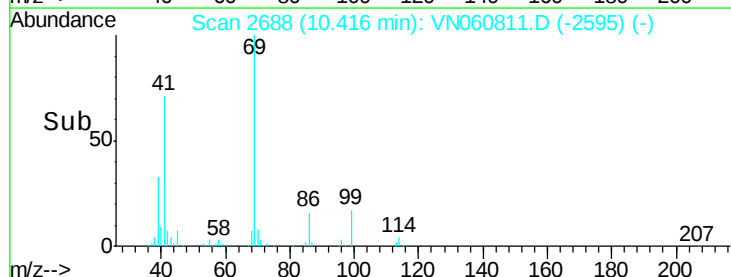
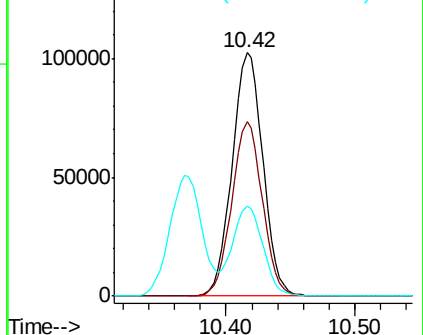
39 37.1 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.494 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

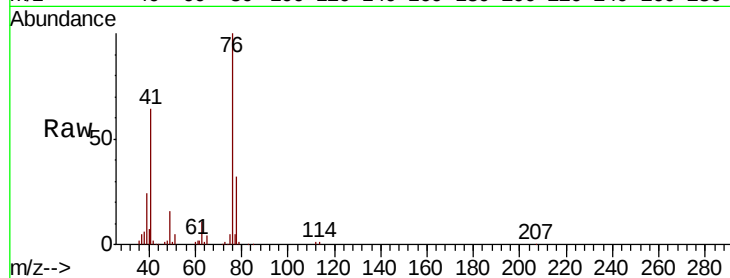
VSTDCCC050EC

Tot Ion: 76 Resp: 185859

Ion Ratio Lower Upper

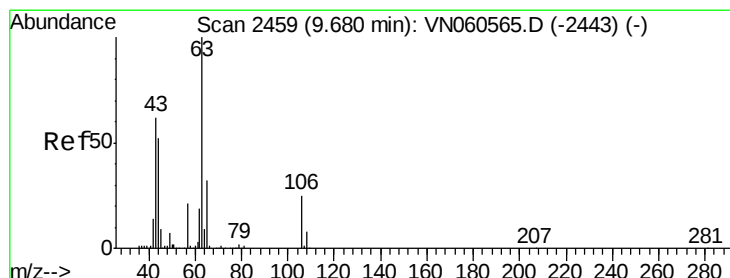
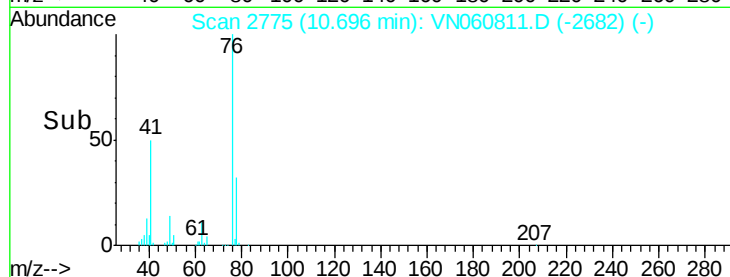
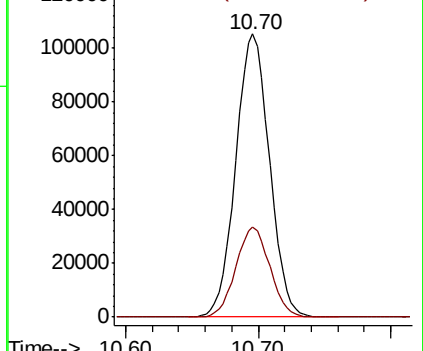
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060811.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060811.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 234.617 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060811.D

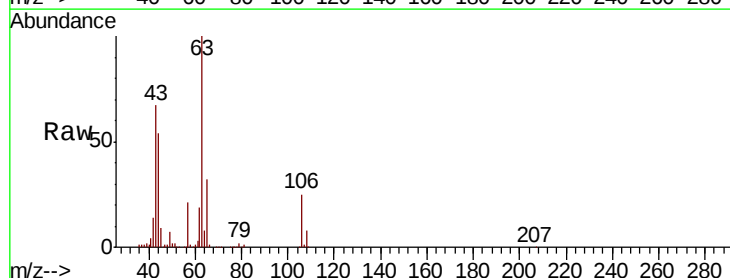
Acq: 1 Apr 2020 15:38

Tgt Ion: 63 Resp: 401563

Ion Ratio Lower Upper

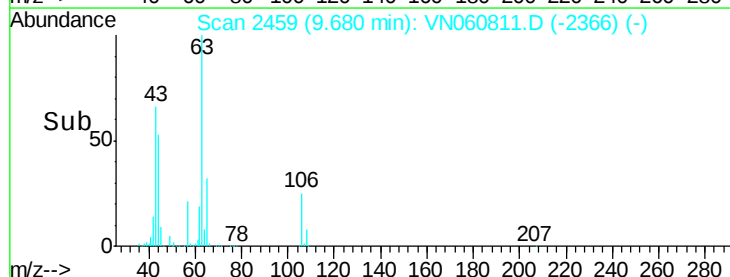
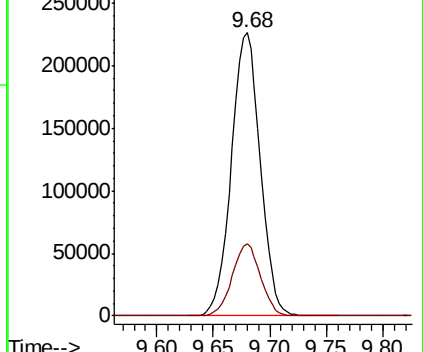
63 100

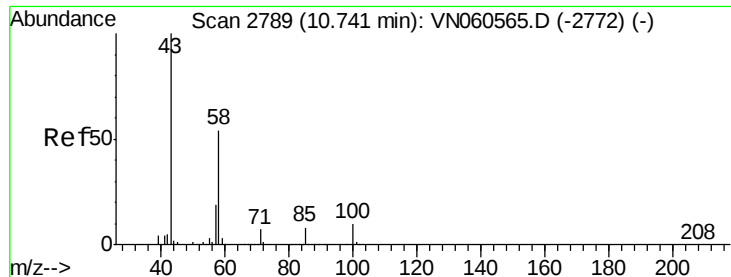
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060811.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060811.D (-2366) (-)

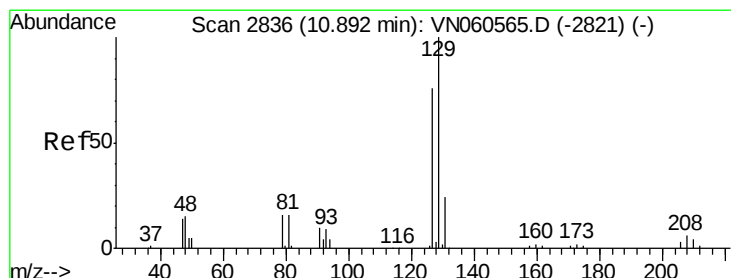
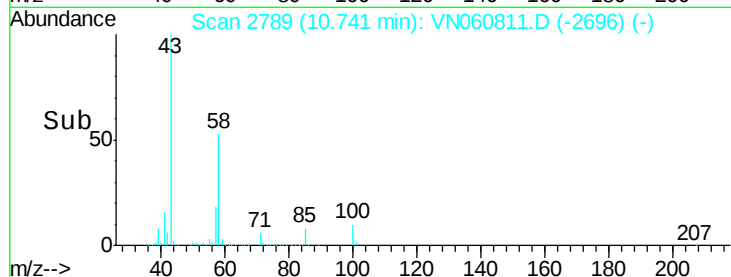
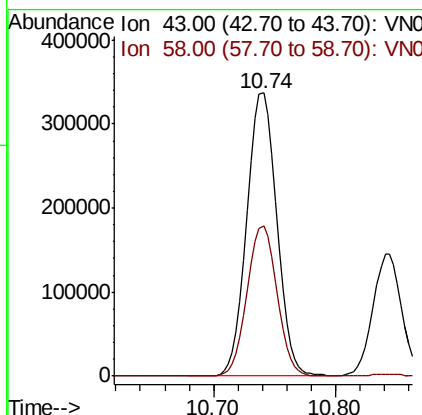
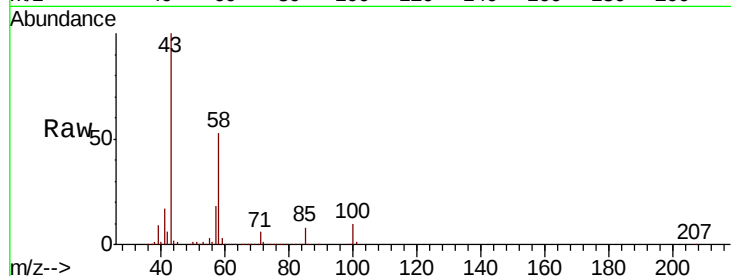




#59
2-Hexanone
Concen: 247.946 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

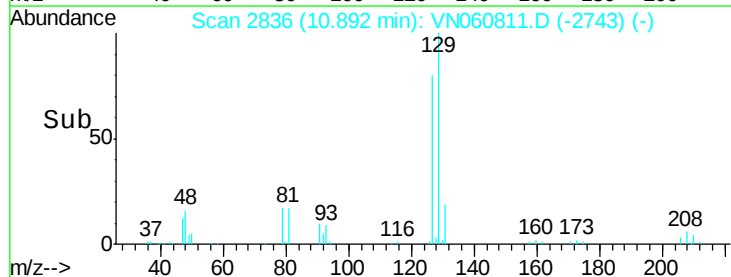
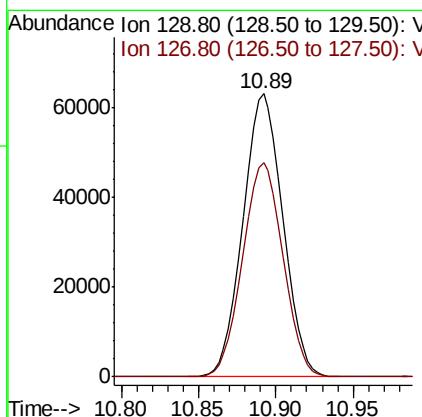
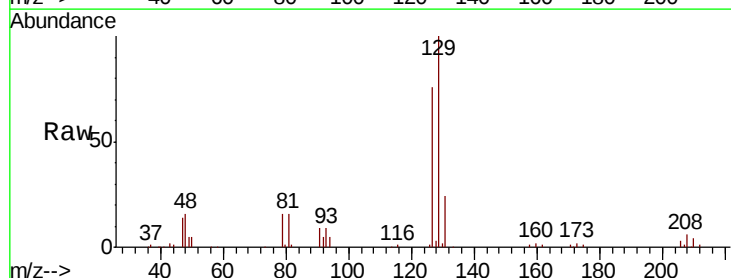
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

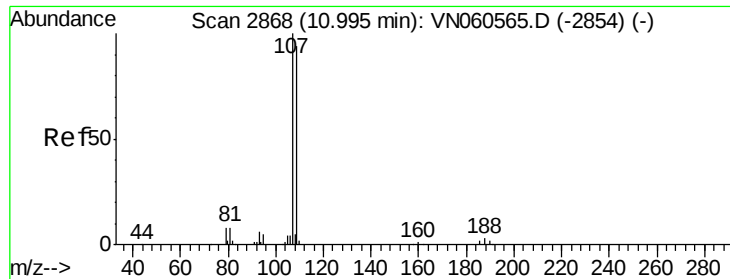
Tot Ion: 43 Resp: 570316
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1



#60
Dibromochloromethane
Concen: 49.848 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 129 Resp: 113721
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5

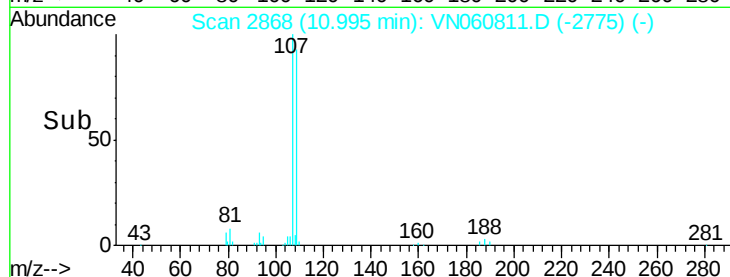
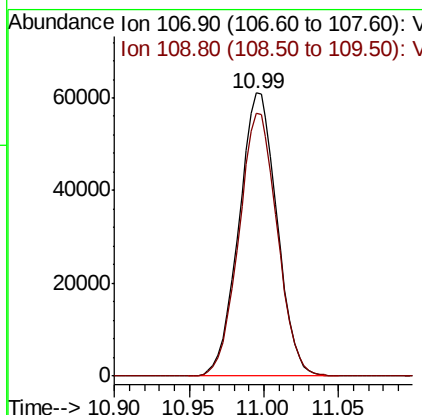
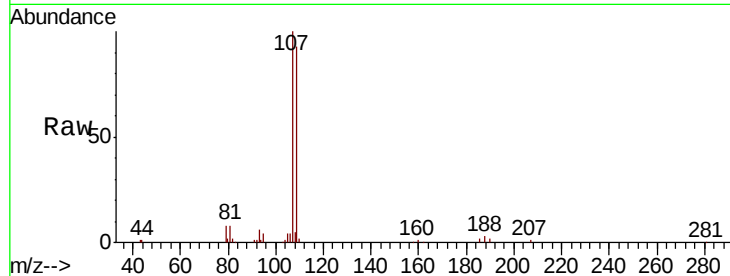




#61
 1,2-Dibromoethane
 Concen: 48.746 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

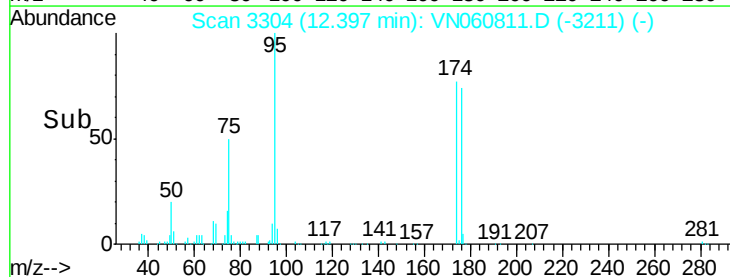
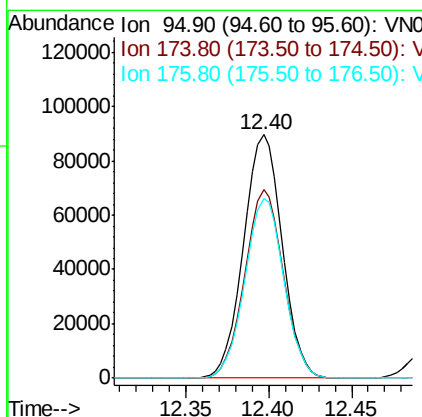
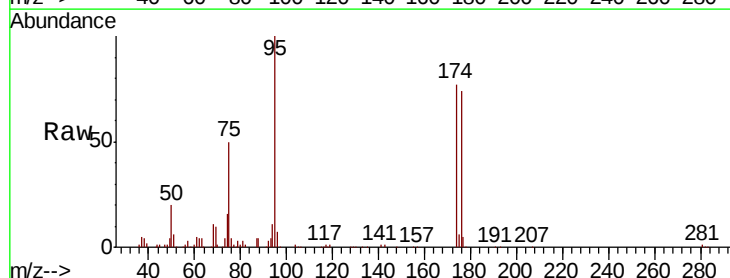
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 108258
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.467 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 95 Resp: 145609
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 157.6
 176 74.4 0.0 150.6

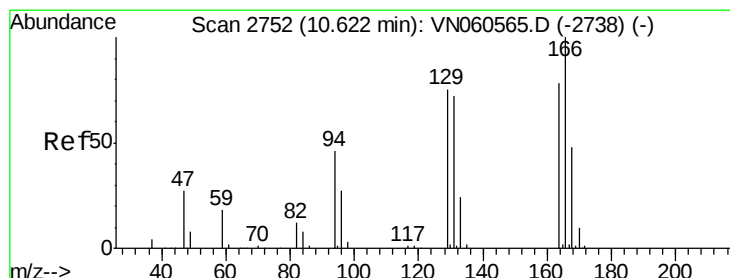
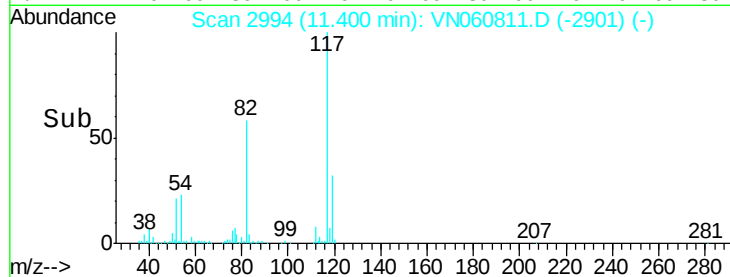
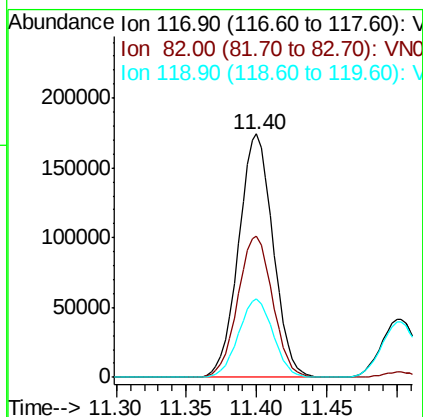
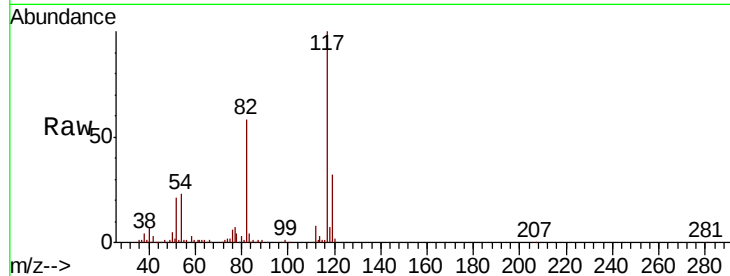




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

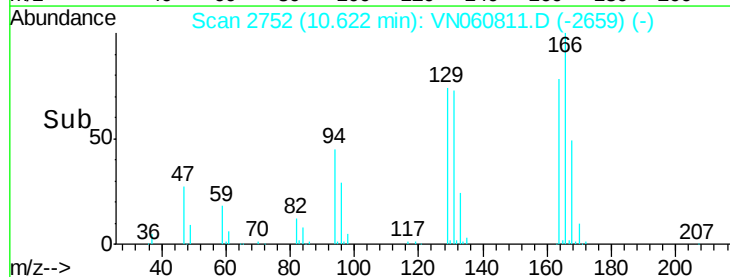
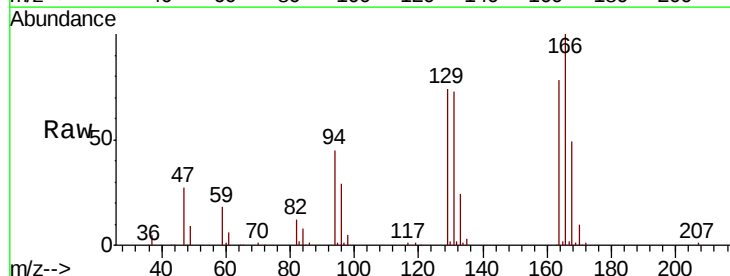
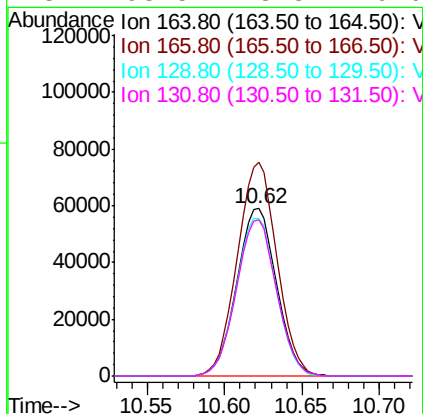
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 298959
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 44.761 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion:164 Resp: 105303
Ion Ratio Lower Upper
164 100
166 127.7 102.7 154.1
129 94.3 77.2 115.8
131 93.5 73.8 110.6

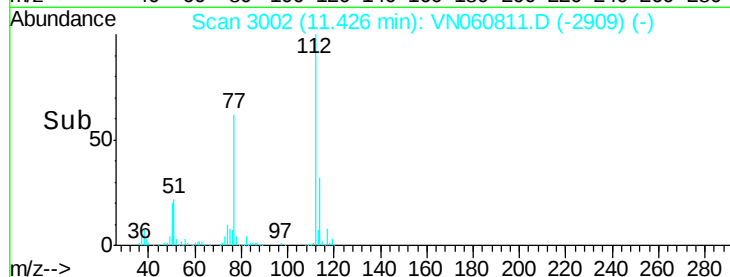
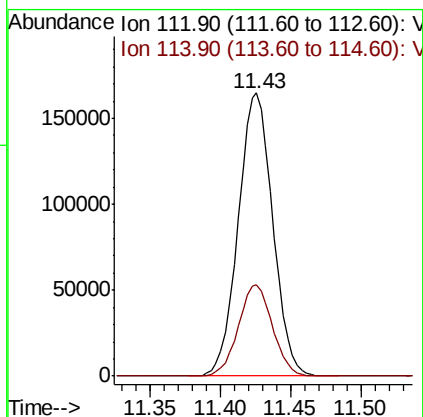
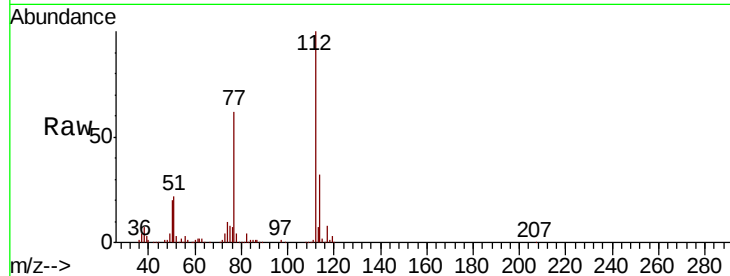




#65
Chlorobenzene
Concen: 47.590 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

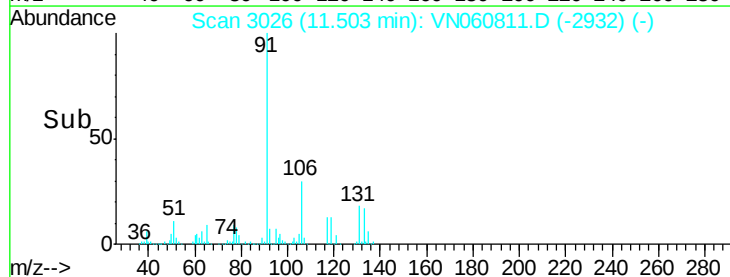
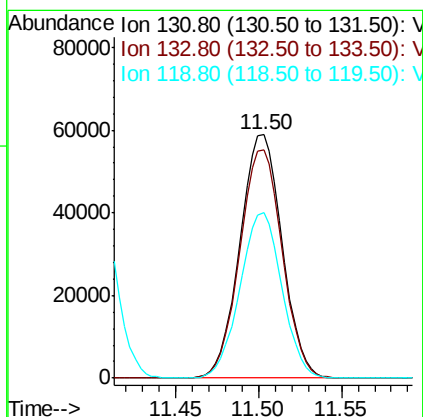
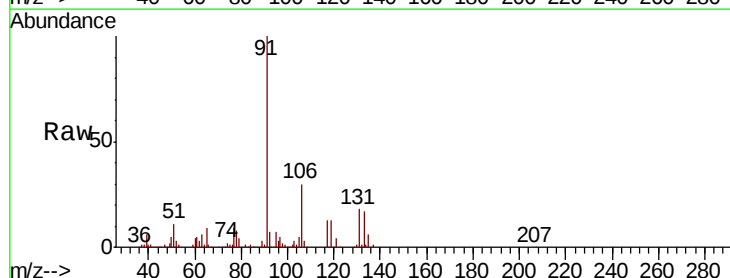
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 282047
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.564 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion:131 Resp: 104209
Ion Ratio Lower Upper
131 100
133 94.5 48.9 146.8
119 67.4 33.9 101.7





#67

Ethyl Benzene

Concen: 48.274 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

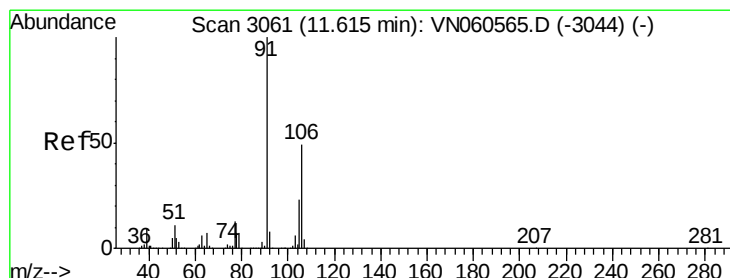
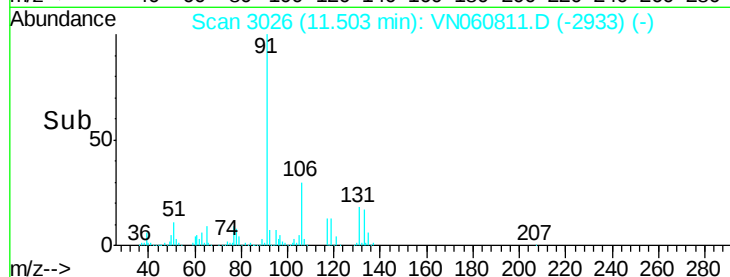
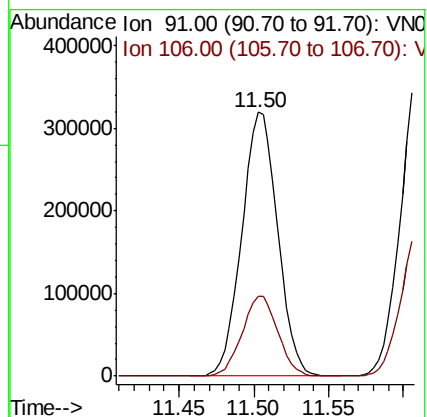
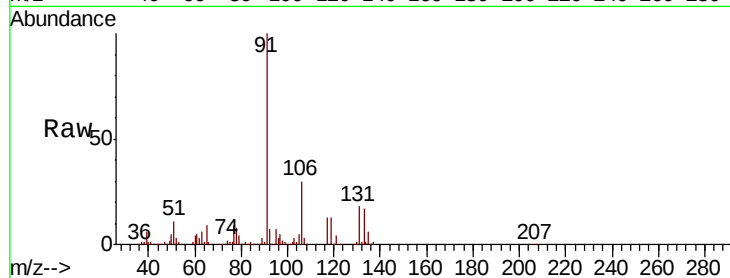
VSTDCCC050EC

Tot Ion: 91 Resp: 532043

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2



#68

m/p-Xylenes

Concen: 95.195 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060811.D

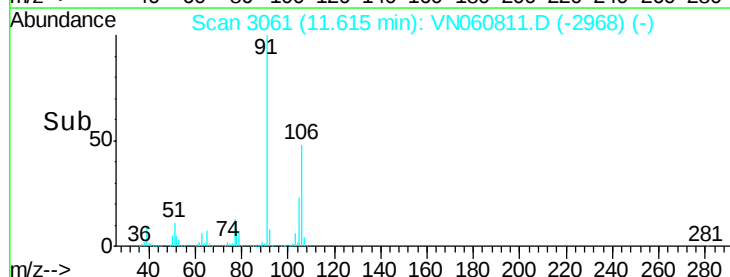
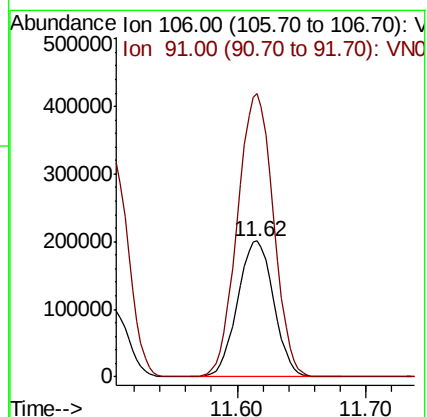
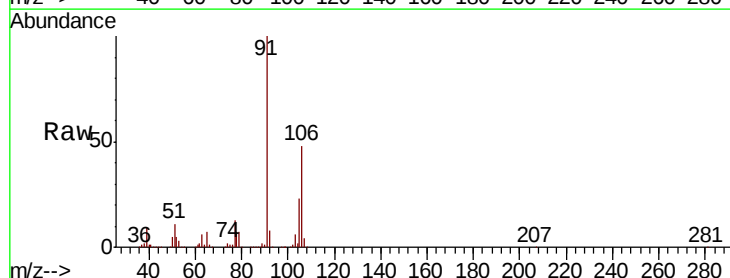
Acq: 1 Apr 2020 15:38

Tgt Ion: 106 Resp: 389882

Ion Ratio Lower Upper

106 100

91 208.8 165.0 247.4

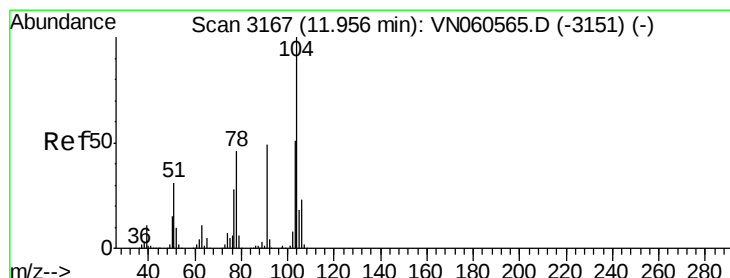
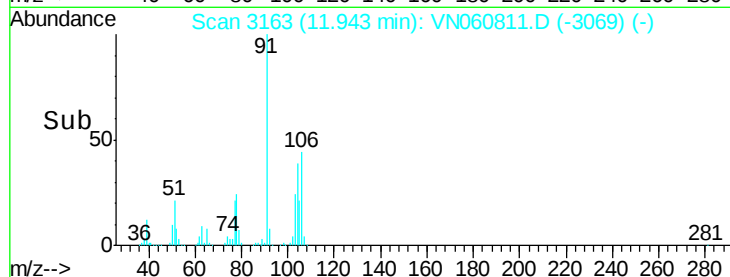
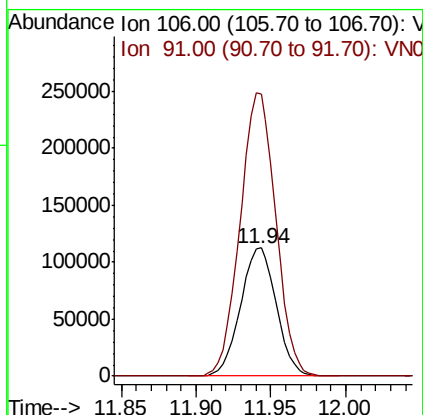
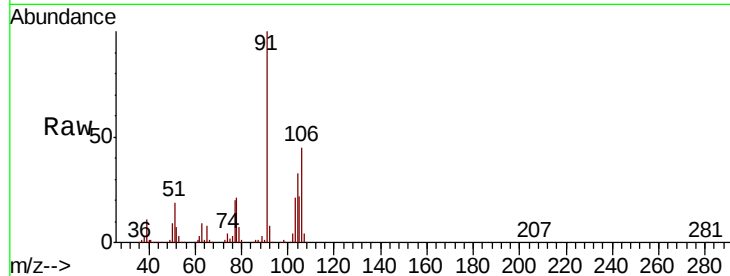




#69
o-Xylene
Concen: 47.740 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

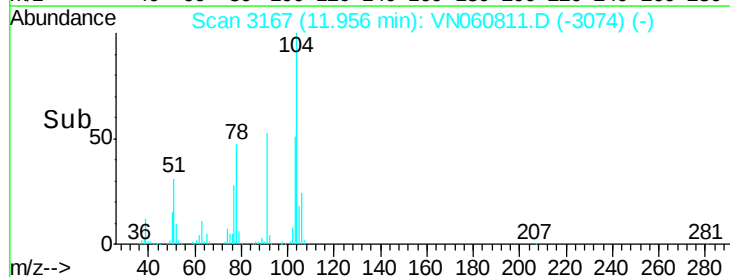
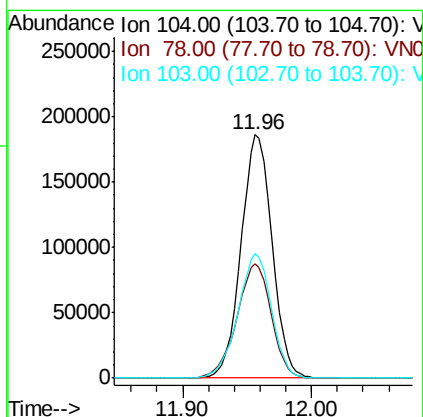
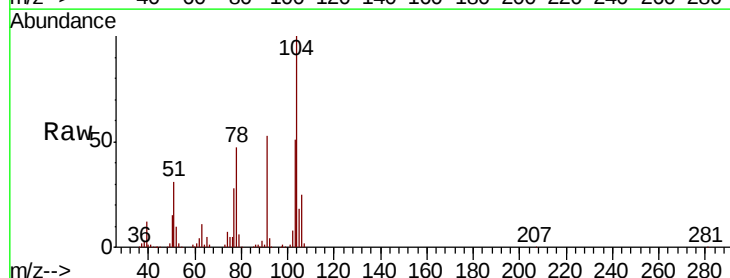
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

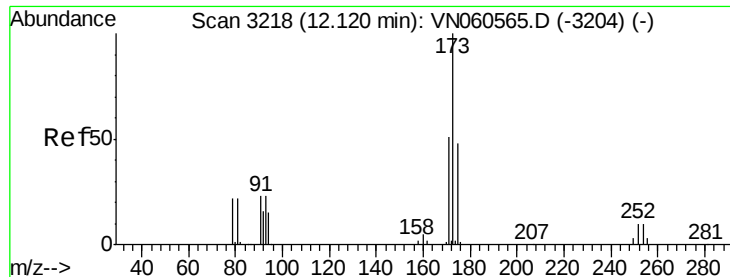
Tot Ion:106 Resp: 186649
Ion Ratio Lower Upper
106 100
91 220.8 109.5 328.4



#70
Styrene
Concen: 48.910 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion:104 Resp: 312746
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 45.463 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

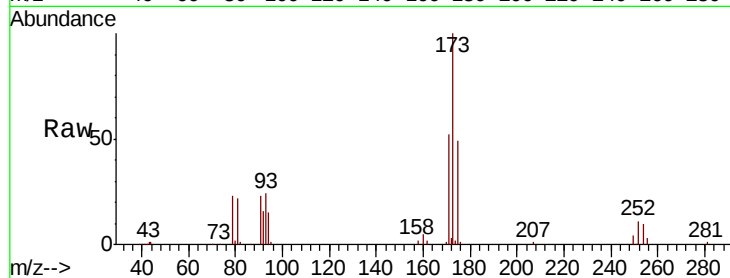
Tot Ion:173 Resp: 80799

Ion Ratio Lower Upper

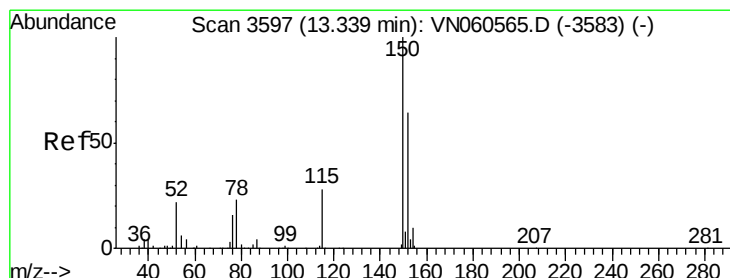
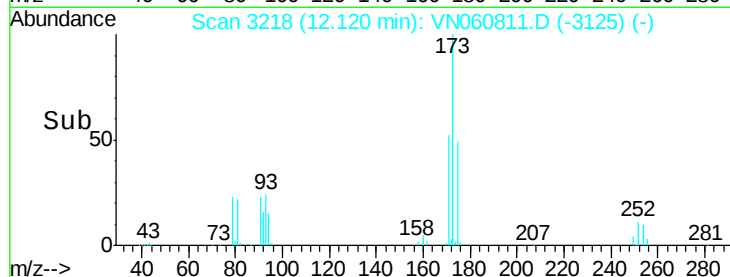
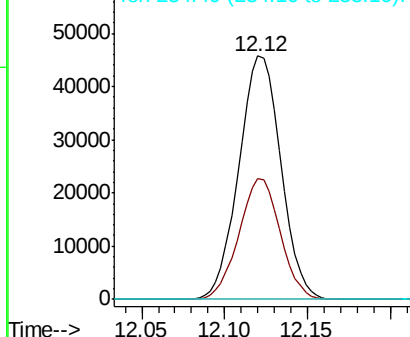
173 100

175 48.7 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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

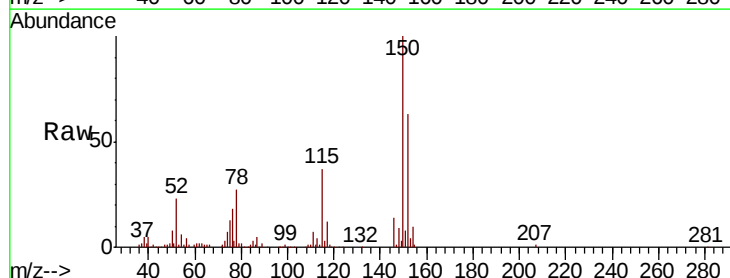
Tgt Ion:152 Resp: 148677

Ion Ratio Lower Upper

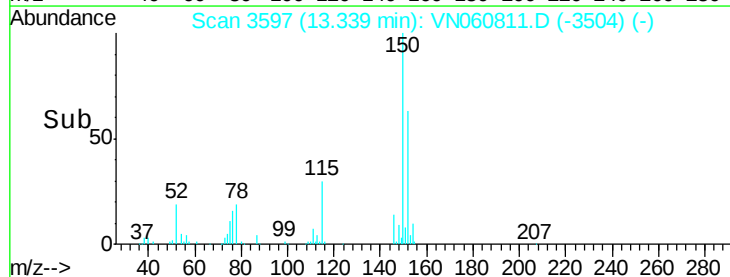
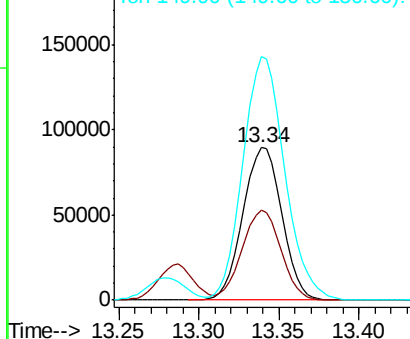
152 100

115 58.7 30.2 90.6

150 172.2 0.0 350.2



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: 45.540 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

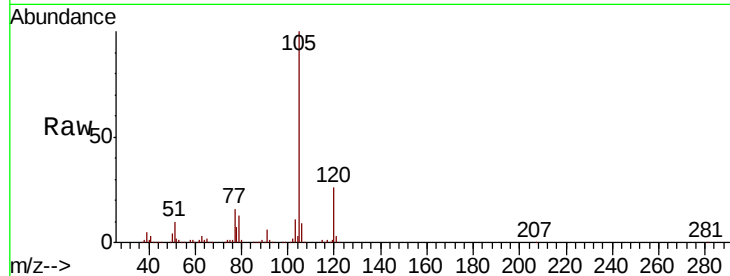
VSTDCCC050EC

Tot Ion:105 Resp: 508118

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

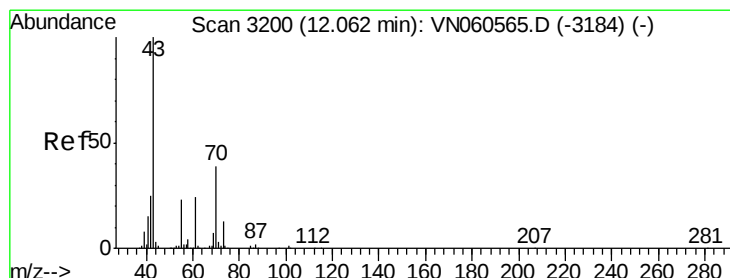
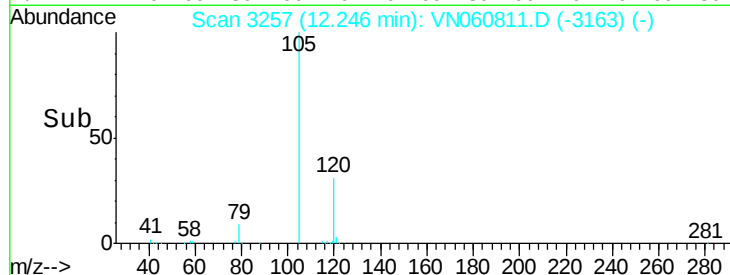
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 45.108 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion: 43 Resp: 232568

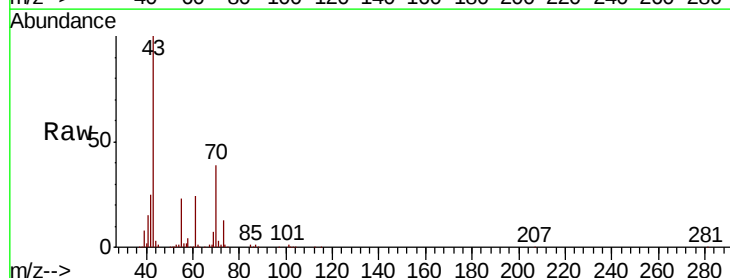
Ion Ratio Lower Upper

43 100

70 39.1 31.1 46.7

55 23.5 18.6 27.8

61 23.5 18.9 28.3



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

200000

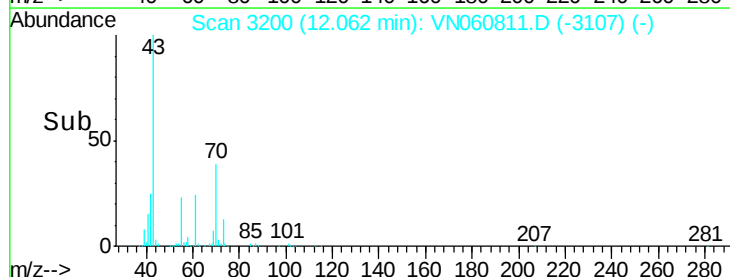
150000

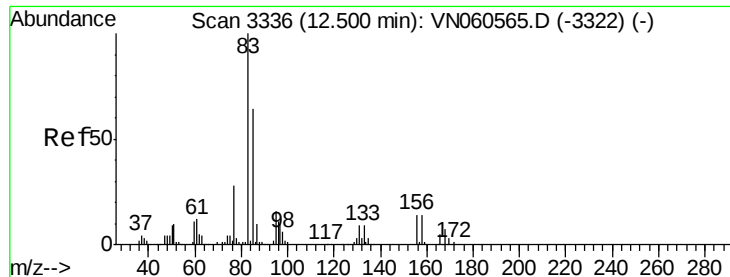
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.279 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

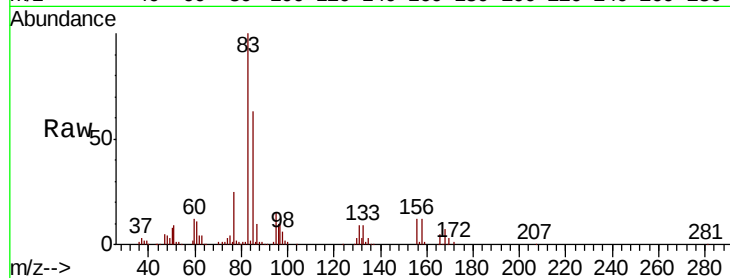
Tot Ion: 83 Resp: 156153

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.7

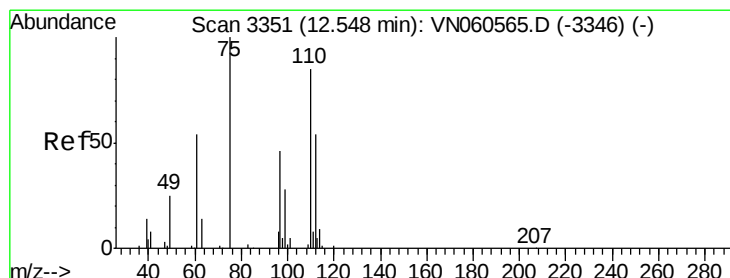
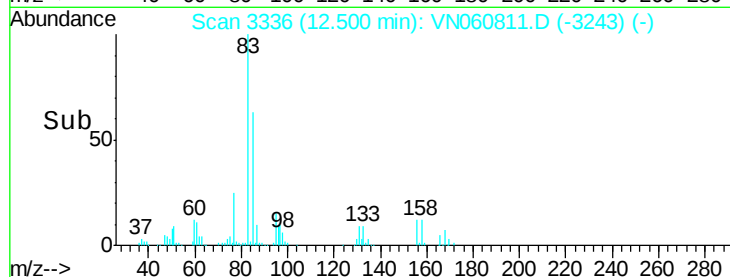
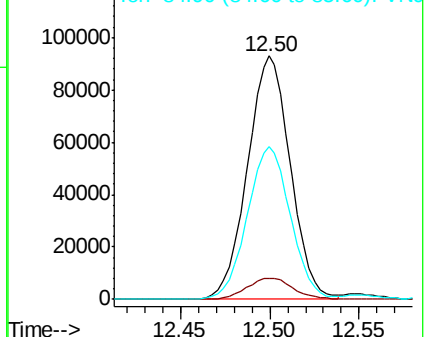
85 63.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060811.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060811.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060811.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 65.559 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060811.D

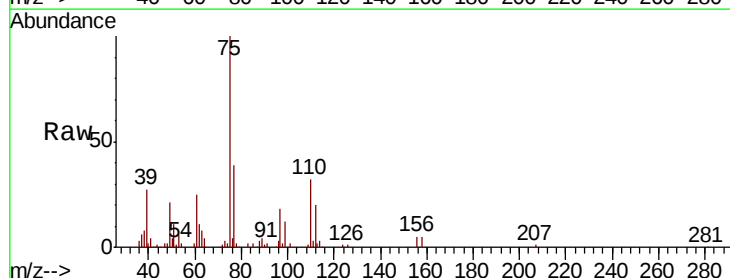
Acq: 1 Apr 2020 15:38

Tgt Ion: 75 Resp: 210322

Ion Ratio Lower Upper

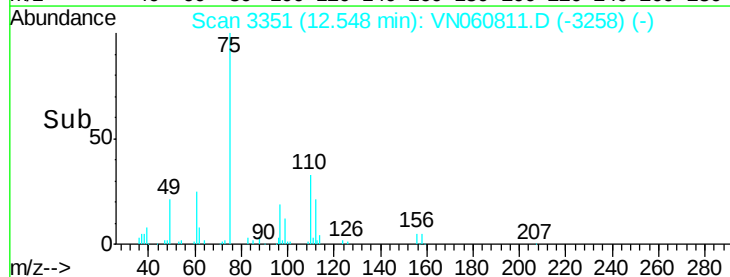
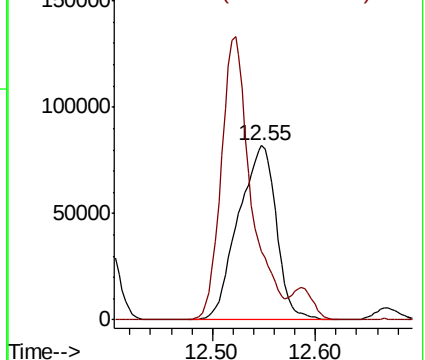
75 100

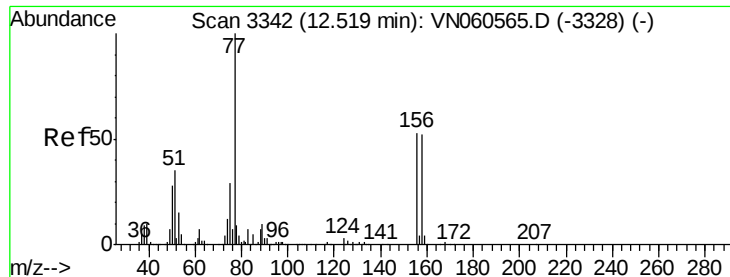
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060811.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060811.D (-3258) (-)





#77

Bromobenzene

Concen: 44.734 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

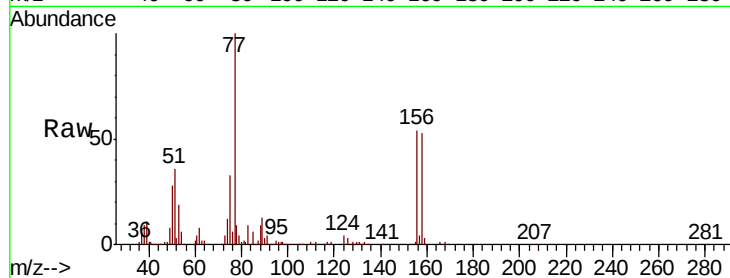
Tot Ion:156 Resp: 120271

Ion Ratio Lower Upper

156 100

77 222.4 112.3 337.0

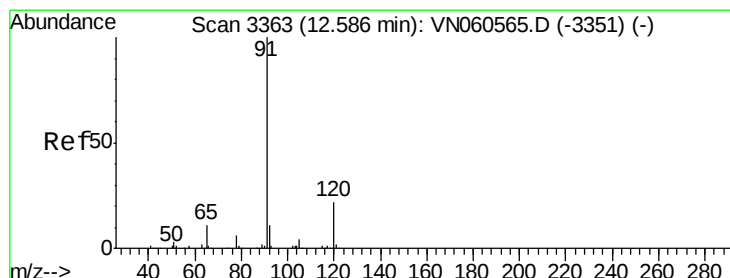
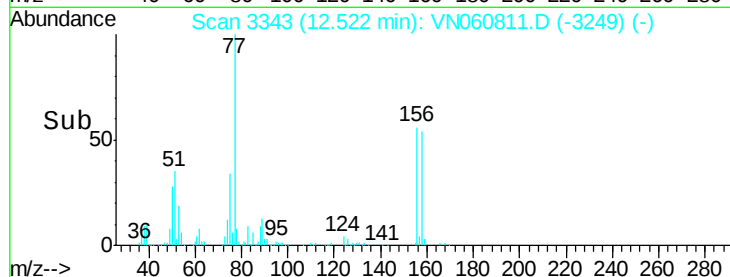
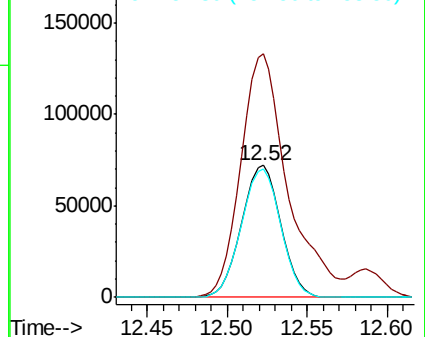
158 98.1 48.6 145.8



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: 46.117 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060811.D

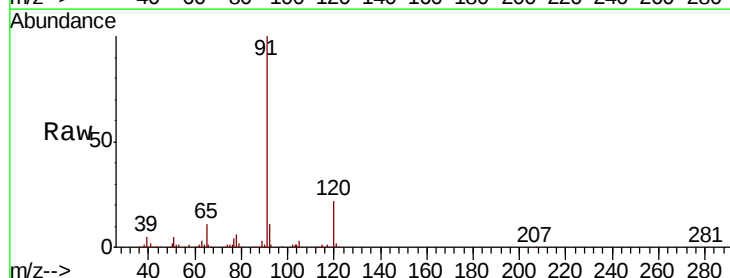
Acq: 1 Apr 2020 15:38

Tgt Ion: 91 Resp: 607913

Ion Ratio Lower Upper

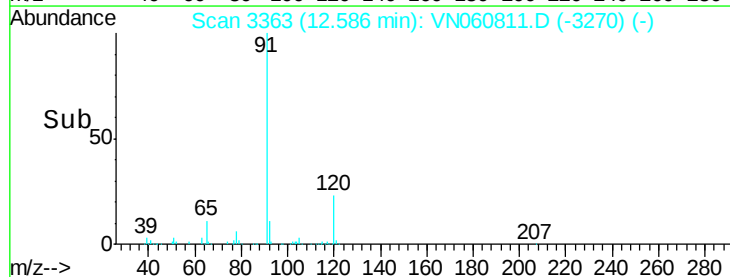
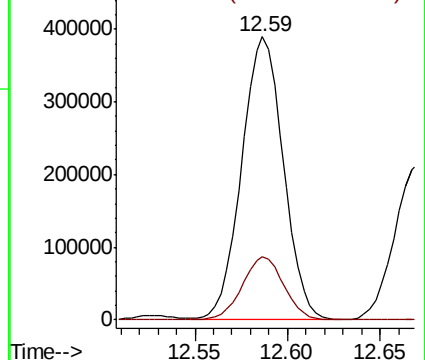
91 100

120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

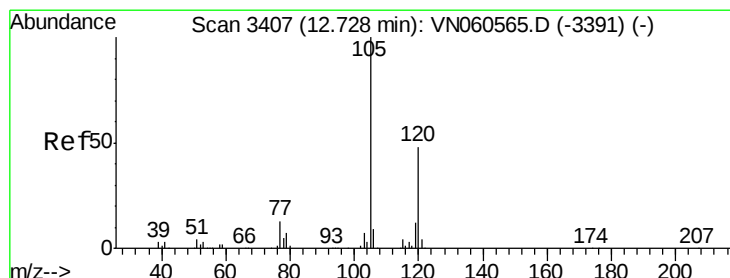
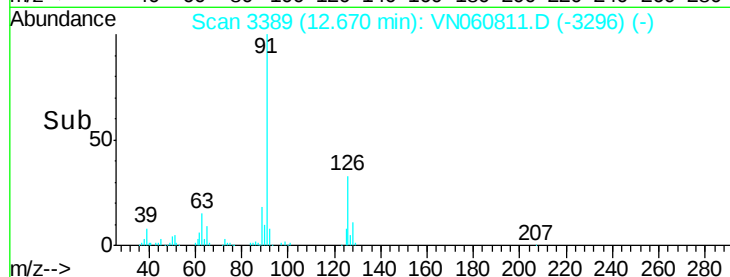
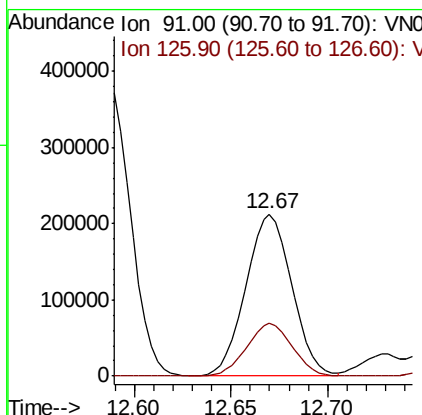
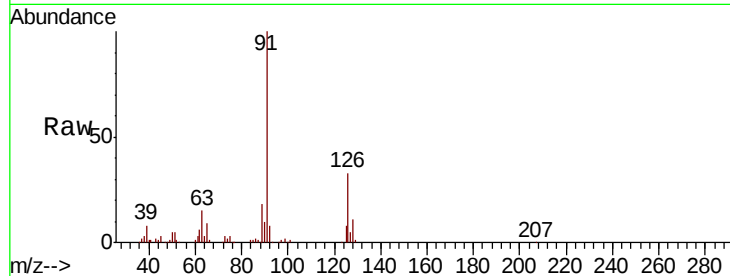




#79
 2-Chlorotoluene
 Concen: 44.670 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

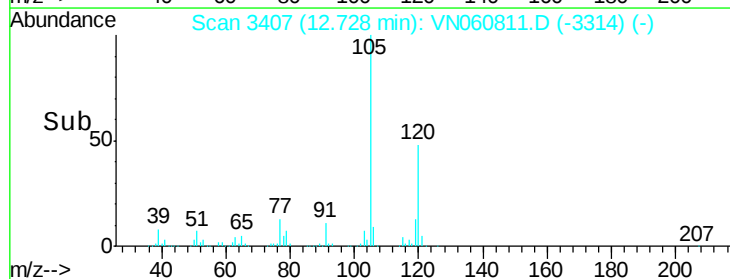
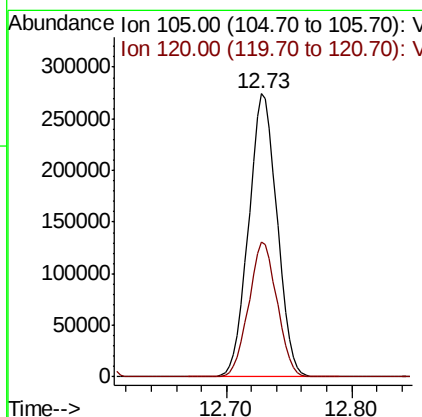
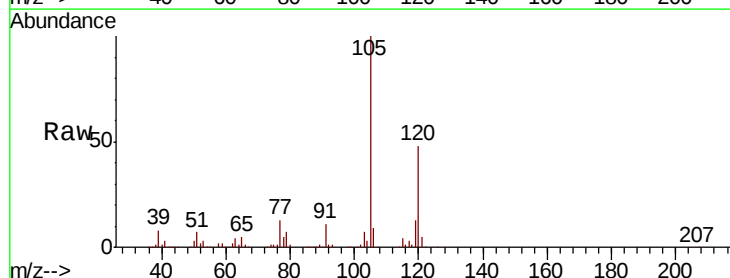
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

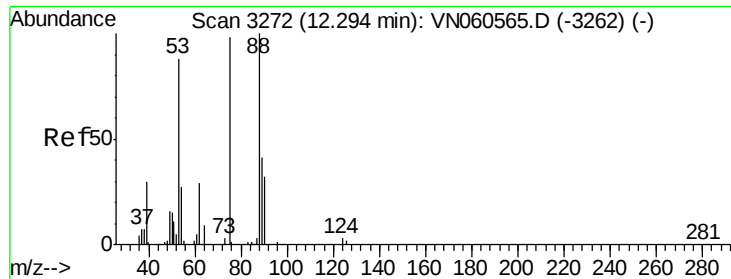
Tot Ion: 91 Resp: 351829
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 45.751 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 105 Resp: 433200
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7

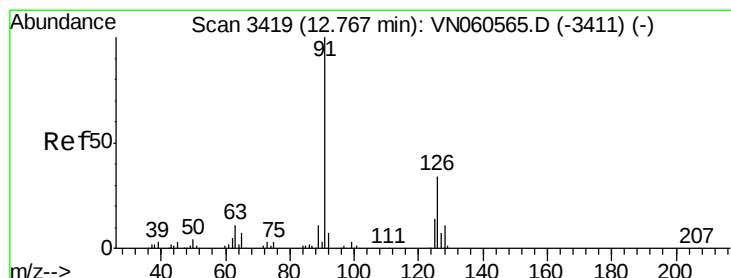
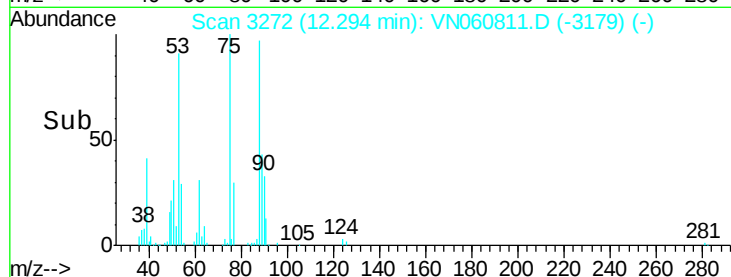
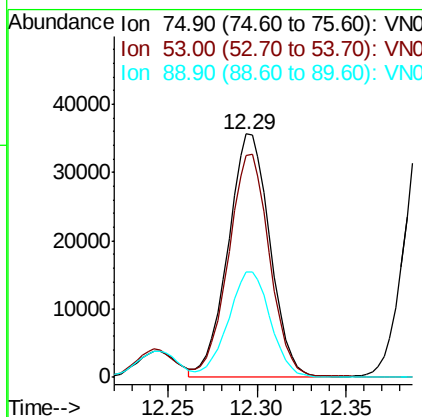
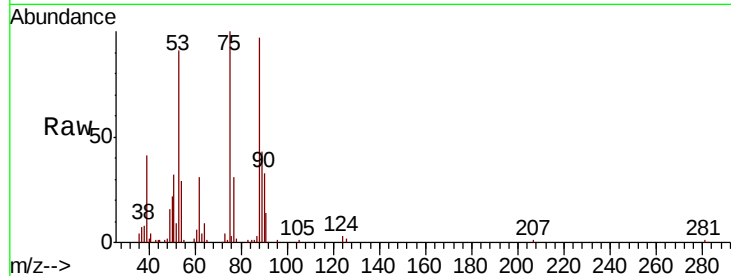




#81
trans-1,4-Dichloro-2-butene
Concen: 46.720 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

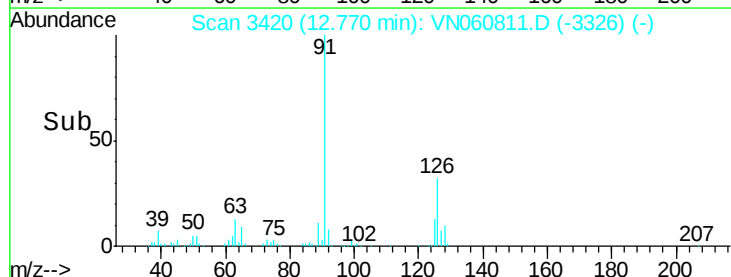
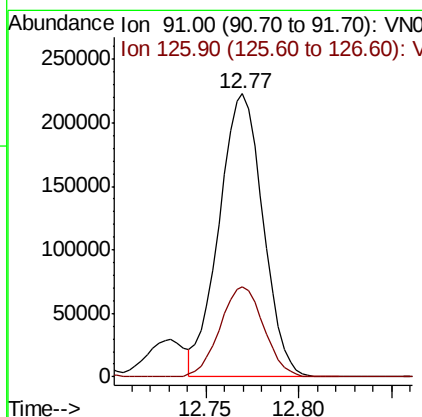
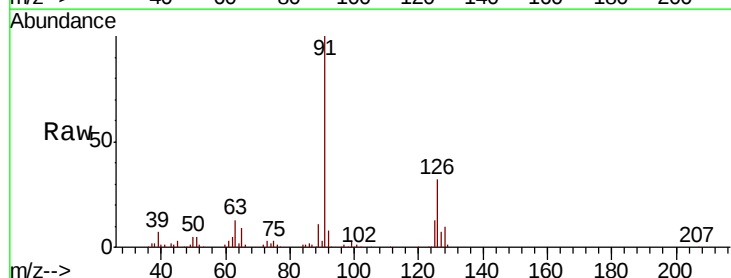
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

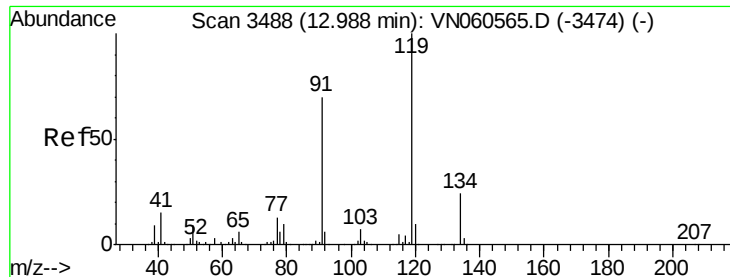
Tot Ion: 75 Resp: 58359
Ion Ratio Lower Upper
75 100
53 90.2 73.0 109.4
89 43.6 34.8 52.2



#82
4-Chlorotoluene
Concen: 45.594 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 91 Resp: 365745
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.5

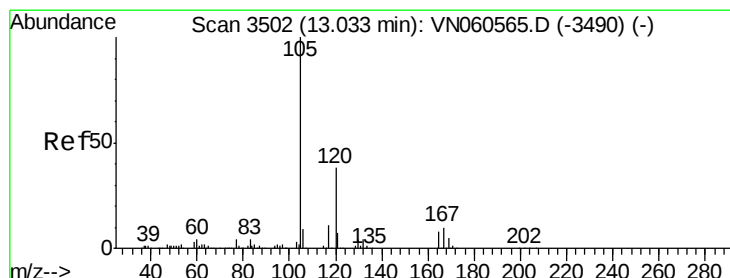
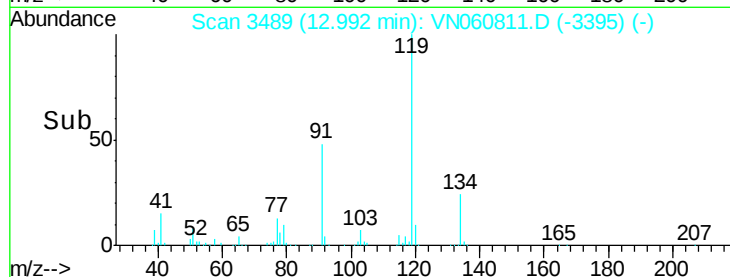
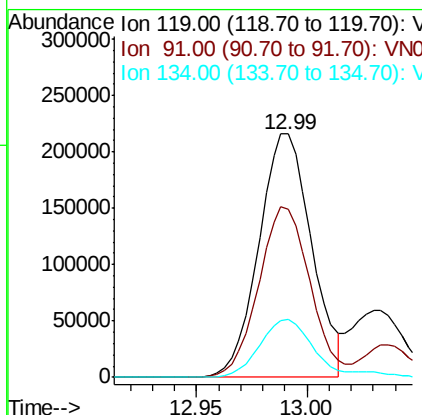
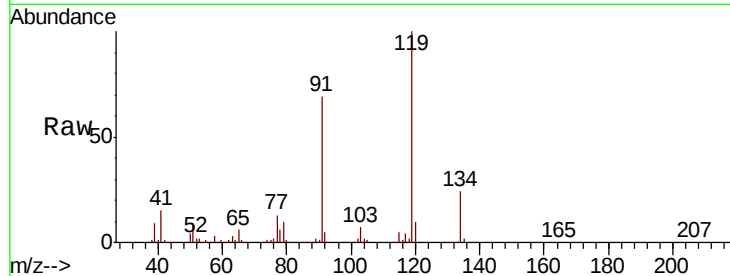




#83
tert-Butylbenzene
Concen: 45.550 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

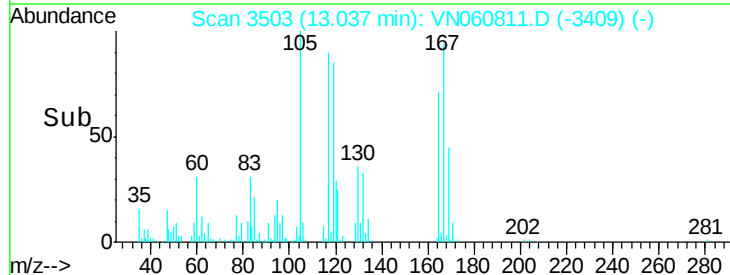
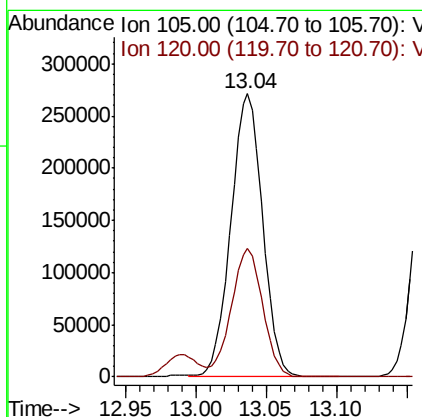
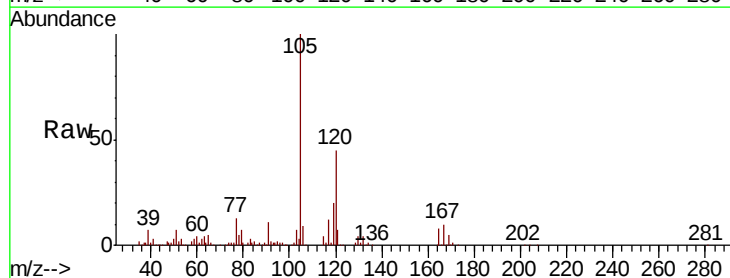
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 357531
Ion Ratio Lower Upper
119 100
91 68.1 34.0 101.8
134 25.2 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 45.665 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion:105 Resp: 427760
Ion Ratio Lower Upper
105 100
120 44.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.038 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

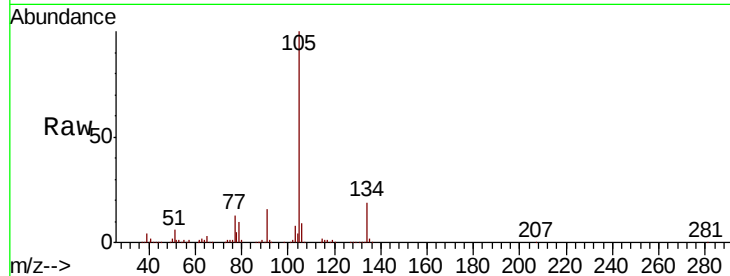
VSTDCCC050EC

Tot Ion:105 Resp: 496484

Ion Ratio Lower Upper

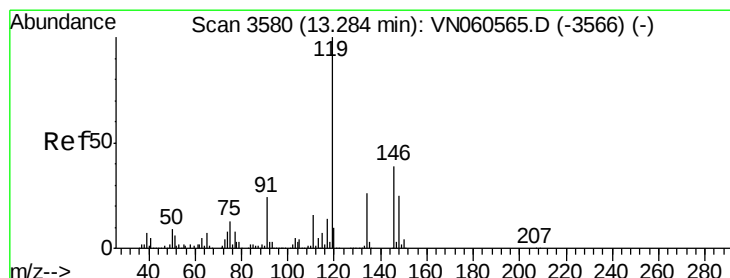
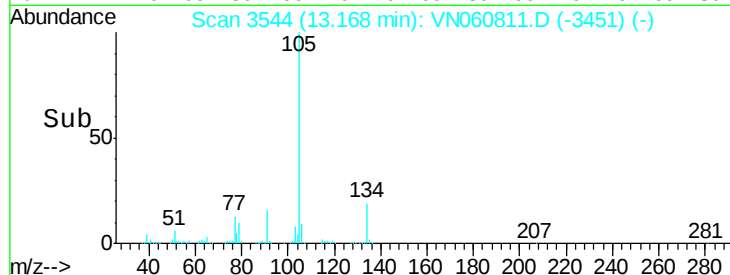
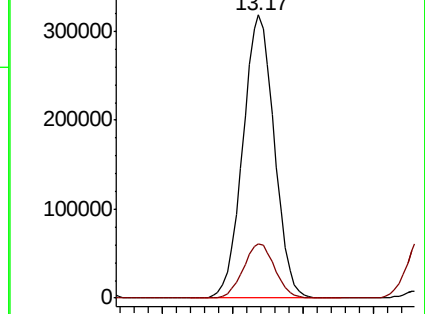
105 100

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: 47.245 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

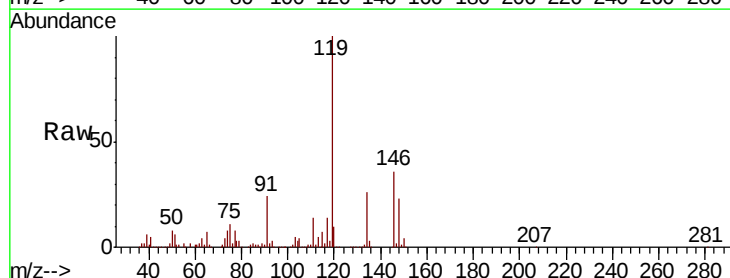
Tgt Ion:119 Resp: 448416

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

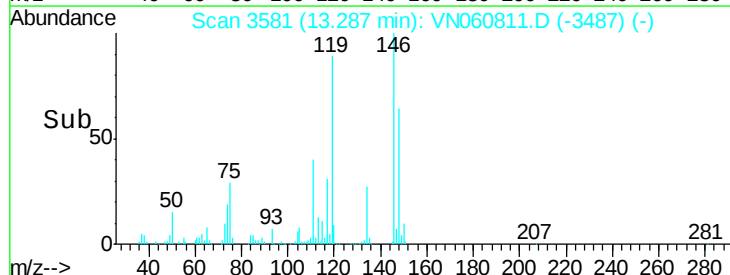
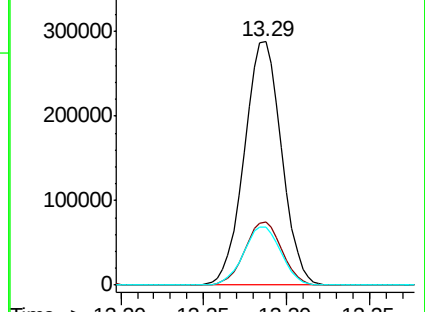
91 24.2 12.0 36.0



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: 46.368 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

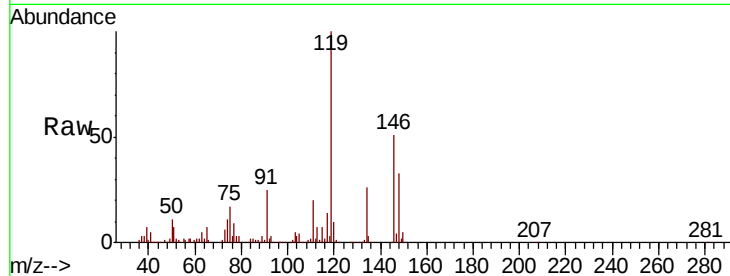
Tot Ion:146 Resp: 219872

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

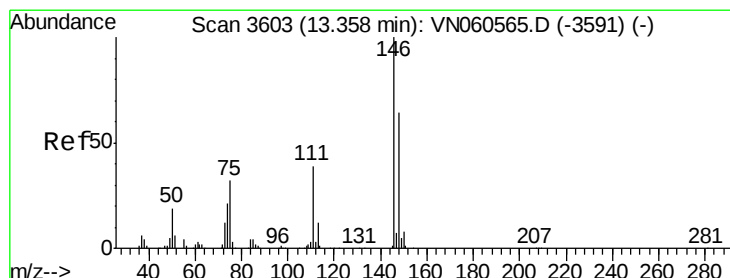
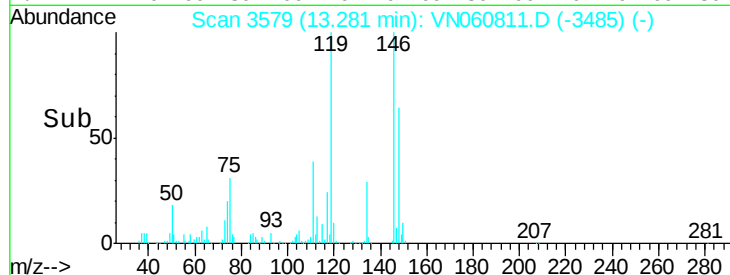
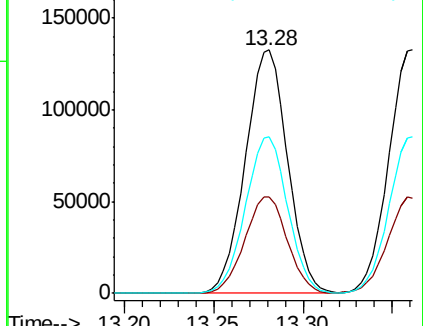
148 64.2 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.634 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

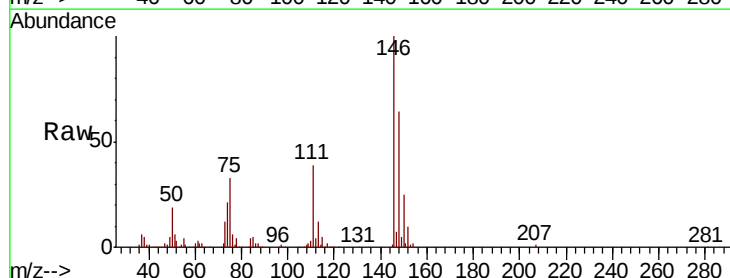
Tgt Ion:146 Resp: 217407

Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.7

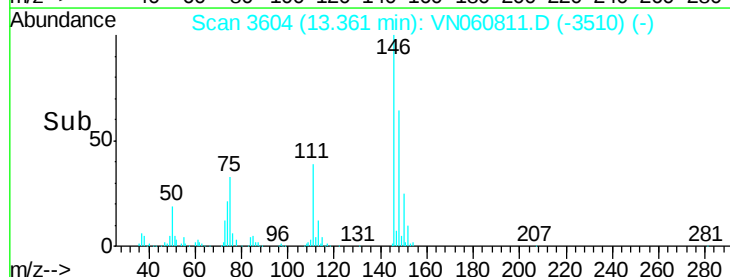
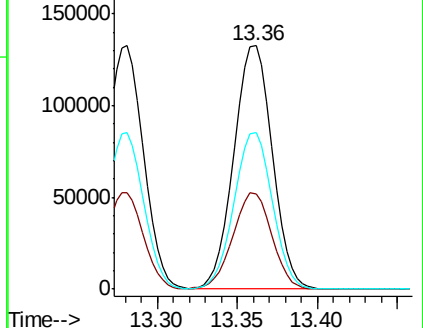
148 64.1 32.1 96.3

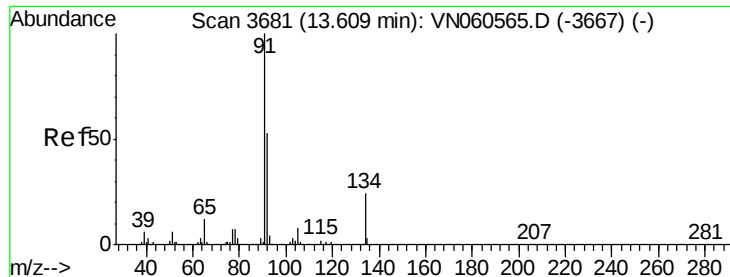


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

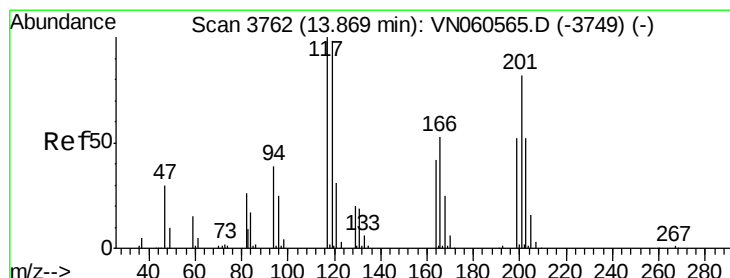
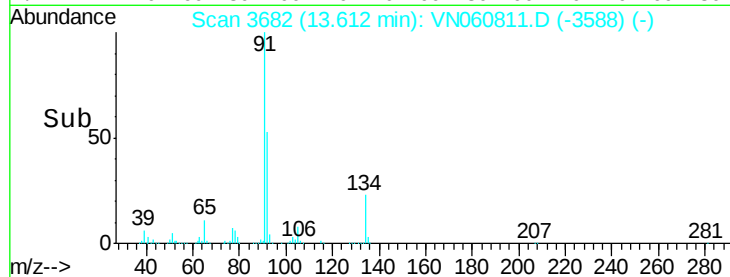
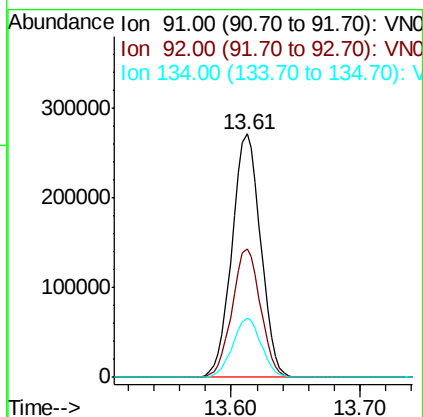
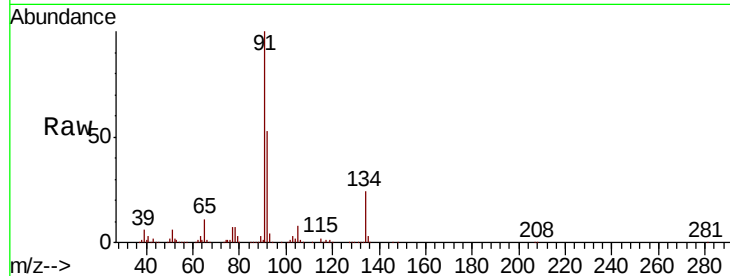




#89
n-Butylbenzene
Concen: 48.785 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

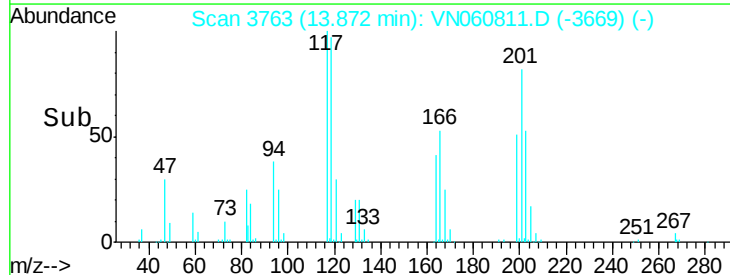
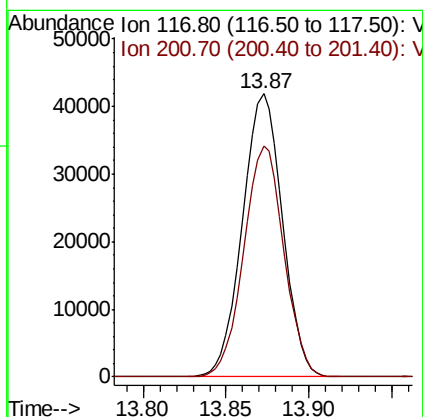
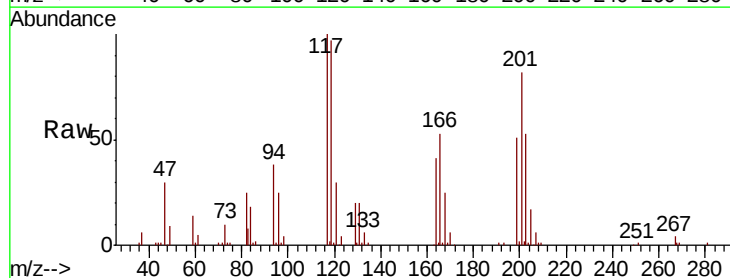
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 418048
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.5
134 24.1 12.3 36.9



#90
Hexachloroethane
Concen: 50.996 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 117 Resp: 70355
Ion Ratio Lower Upper
117 100
201 81.5 40.8 122.5

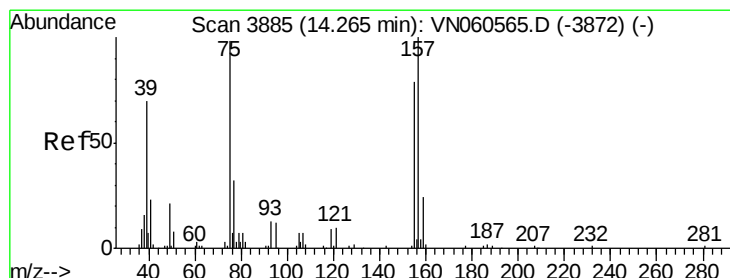
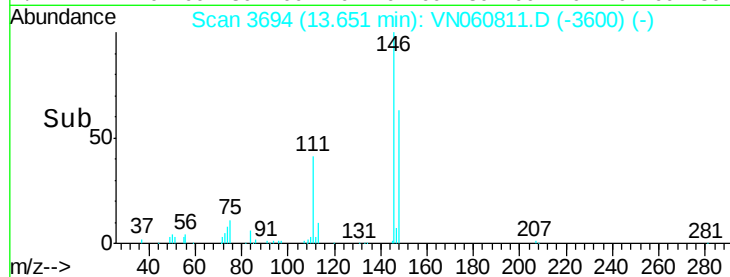
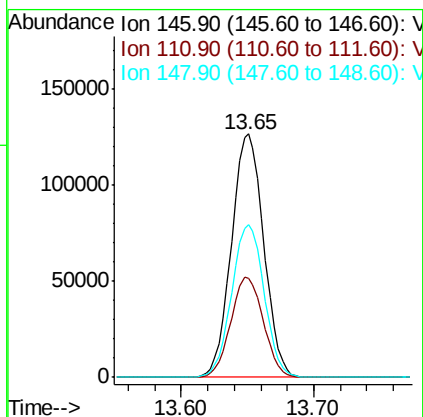
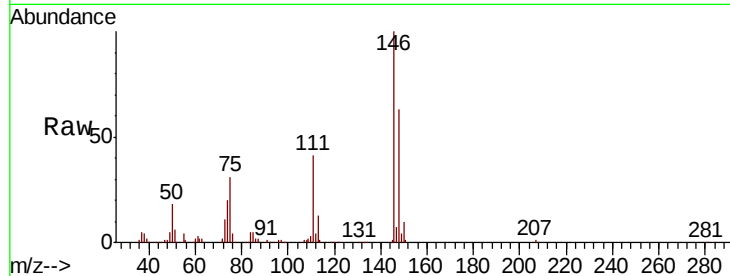




#91
 1,2-Dichlorobenzene
 Concen: 47.140 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

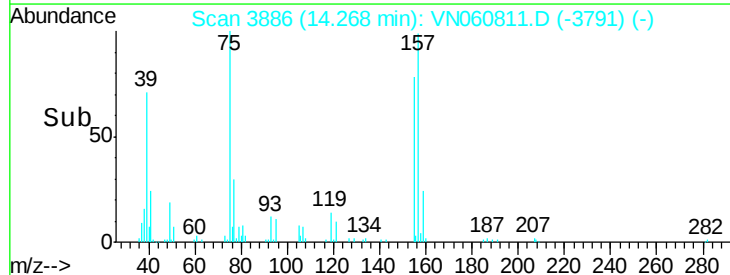
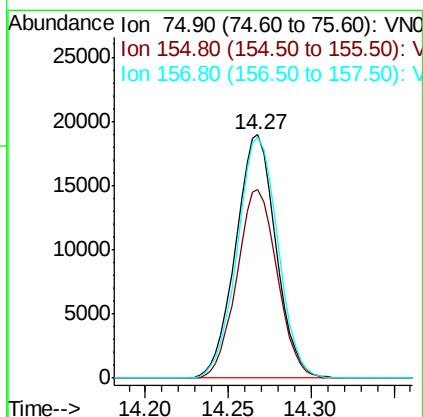
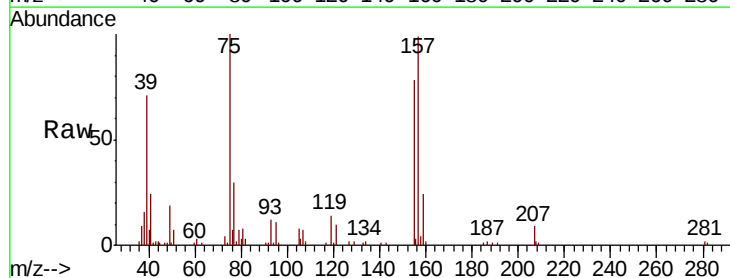
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

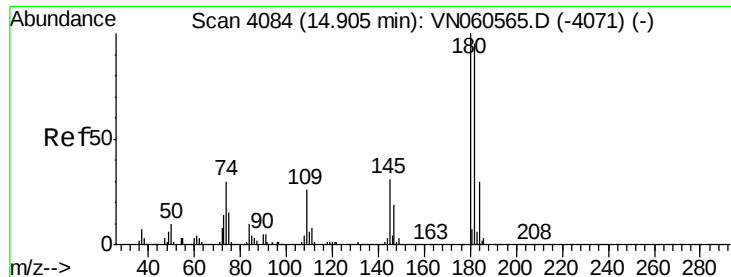
Tot Ion:146 Resp: 213742
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.0 63.0
 148 63.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.258 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 75 Resp: 32003
 Ion Ratio Lower Upper
 75 100
 155 77.6 40.7 122.1
 157 100.1 51.5 154.7

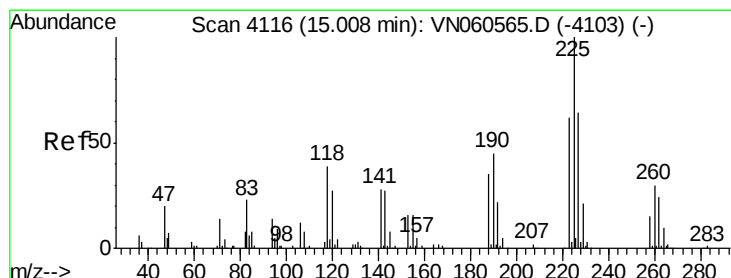
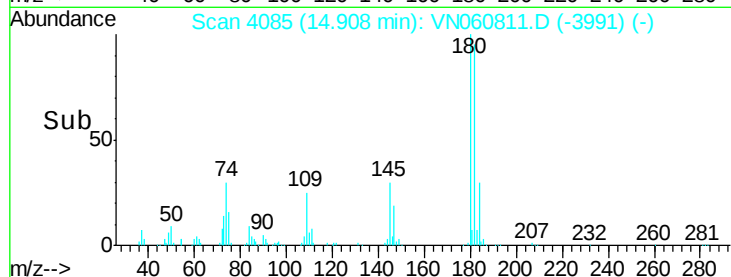
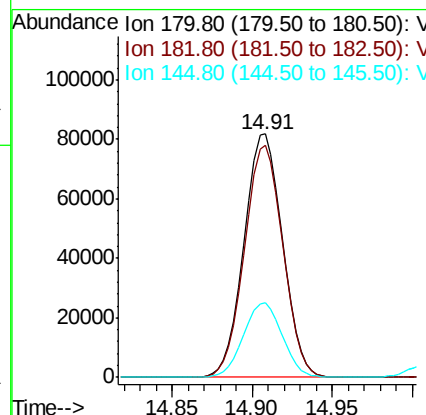
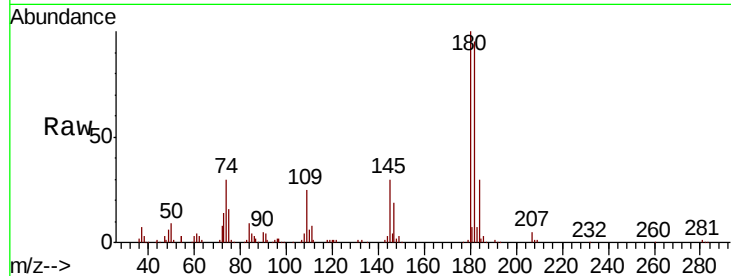




#93
 1,2,4-Trichlorobenzene
 Concen: 48.165 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

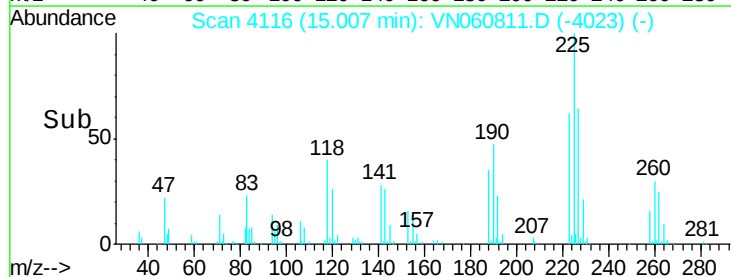
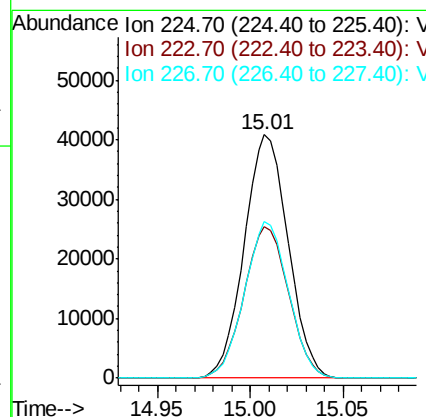
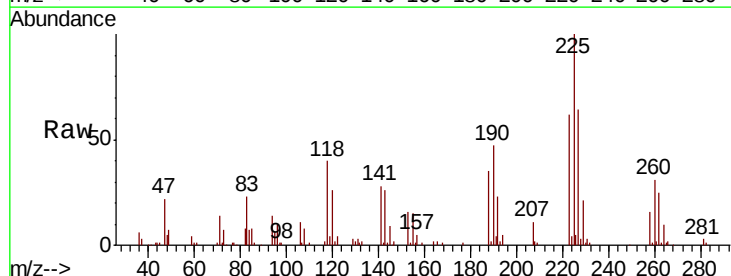
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

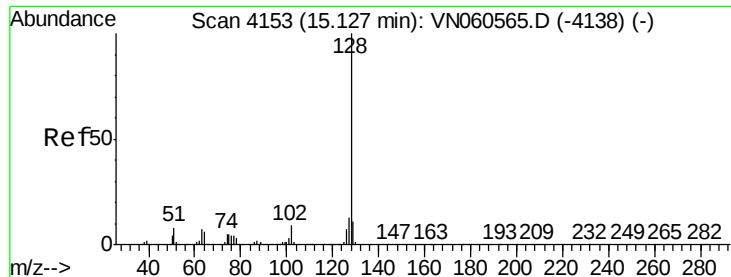
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	30.8	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 49.123 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	64.1	32.3	96.8

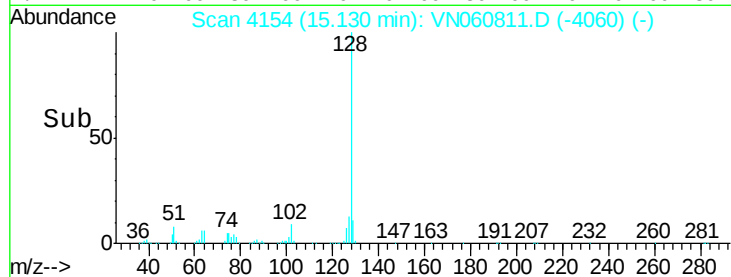
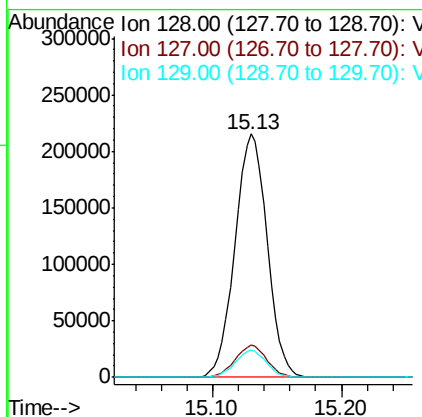
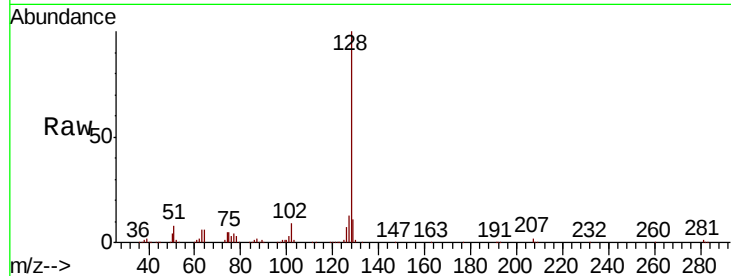




#95
Naphthalene
Concen: 44.620 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 373686
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 46.463 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion:180 Resp: 127430
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.6
145 32.0 16.3 48.8

