

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062820.D
 Acq On : 10 Aug 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 11 06:58:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	158421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117301	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	123738	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.55	113	86691	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.06	98	336563	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.38	95	130178	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	110073	48.522	ug/l	99
3) Chloromethane	2.04	50	96118	44.900	ug/l	99
4) Vinyl Chloride	2.16	62	100021	49.815	ug/l	98
5) Bromomethane	2.50	94	66799	50.257	ug/l	98
6) Chloroethane	2.65	64	67725	51.271	ug/l	99
7) Trichlorofluoromethane	2.97	101	186723	52.153	ug/l	96
8) Diethyl Ether	3.37	74	50476	49.247	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72592	50.277	ug/l	99
10) Methyl Iodide	3.91	142	92196	53.129	ug/l	99
11) Tert butyl alcohol	4.74	59	103803	241.753	ug/l	99
12) 1,1-Dichloroethene	3.69	96	68443	50.748	ug/l	98
13) Acrolein	3.57	56	66269	254.906	ug/l	100
14) Allyl chloride	4.28	41	121197	43.696	ug/l	98
15) Acrylonitrile	4.93	53	242616	243.616	ug/l	99
16) Acetone	3.78	43	206609	218.258	ug/l	99
17) Carbon Disulfide	4.00	76	179264	46.739	ug/l	98
18) Methyl Acetate	4.28	43	110522	49.349	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	310043	50.514	ug/l	97
20) Methylene Chloride	4.50	84	88169	50.908	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	73784	46.542	ug/l	96
22) Diisopropyl ether	5.90	45	287942	48.767	ug/l	98
23) Vinyl Acetate	5.84	43	1013567	225.687	ug/l	99
24) 1,1-Dichloroethane	5.80	63	159469	46.087	ug/l	99
25) 2-Butanone	6.79	43	319088	237.998	ug/l	99
26) 2,2-Dichloropropane	6.78	77	112170	35.168	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	91788	48.265	ug/l	92
28) Bromochloromethane	7.15	49	81840	49.007	ug/l	96
29) Tetrahydrofuran	7.17	42	210693	241.893	ug/l	97
30) Chloroform	7.33	83	172127	46.809	ug/l	98
31) Cyclohexane	7.61	56	148099	46.627	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	154603	47.024	ug/l	99
36) 1,1-Dichloropropene	7.75	75	117160	46.072	ug/l	99
37) Ethyl Acetate	6.88	43	116911	44.012	ug/l	99
38) Carbon Tetrachloride	7.73	117	136750	45.469	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	147007	48.037	ug/l	96
40) Benzene	8.00	78	344287	45.371	ug/l	98
41) Methacrylonitrile	7.13	41	54995	45.880	ug/l #	63
42) 1,2-Dichloroethane	8.09	62	146805	45.455	ug/l	100
43) Isopropyl Acetate	8.13	43	199836	45.102	ug/l #	89
44) Trichloroethene	8.80	130	84515	45.715	ug/l	98
45) 1,2-Dichloropropane	9.09	63	94647	46.085	ug/l	97
46) Dibromomethane	9.18	93	63595	47.260	ug/l	100
47) Bromodichloromethane	9.37	83	143740	47.560	ug/l	100
48) Methyl methacrylate	9.17	41	99564	45.686	ug/l	96
49) 1,4-Dioxane	9.17	88	39508	978.368	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	682069	237.924	ug/l	99
52) Toluene	10.13	92	223813	47.771	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	153554	46.190	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	154726	46.356	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	92913	46.433	ug/l	99
56) Ethyl methacrylate	10.40	69	154091	51.161	ug/l	97
57) 1,3-Dichloropropane	10.68	76	161792	47.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	208027	244.349	ug/l	99
59) 2-Hexanone	10.72	43	510549	238.750	ug/l	99
60) Dibromochloromethane	10.88	129	112047	49.068	ug/l	99
61) 1,2-Dibromoethane	10.98	107	96797	49.024	ug/l	98
64) Tetrachloroethene	10.60	164	73871	46.699	ug/l	98
65) Chlorobenzene	11.41	112	243304	47.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	99691	48.439	ug/l	99
67) Ethyl Benzene	11.48	91	452580	49.349	ug/l	99
68) m/p-Xylenes	11.60	106	333319	100.123	ug/l	98
69) o-Xylene	11.92	106	160166	51.338	ug/l	100
70) Styrene	11.94	104	285977	52.149	ug/l	98
71) Bromoform	12.10	173	79723	47.345	ug/l #	99
73) Isopropylbenzene	12.23	105	456187	51.647	ug/l	100
74) N-amyl acetate	12.05	43	179977	50.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	146612	47.152	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	195901	61.926	ug/l #	100
77) Bromobenzene	12.50	156	106796	48.662	ug/l	96
78) n-propylbenzene	12.57	91	515626	49.731	ug/l	100
79) 2-Chlorotoluene	12.65	91	318972	49.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	398095	51.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	49249	47.525	ug/l	99
82) 4-Chlorotoluene	12.75	91	330815	49.373	ug/l	100
83) tert-Butylbenzene	12.97	119	334338	51.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	389180	53.088	ug/l	99
85) sec-Butylbenzene	13.15	105	434370	51.014	ug/l	100
86) p-Isopropyltoluene	13.27	119	386119	51.087	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	191353	48.806	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	186047	47.312	ug/l	99
89) n-Butylbenzene	13.59	91	299105	46.792	ug/l	99
90) Hexachloroethane	13.85	117	76666	47.058	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	186852	50.834	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	32769	49.090	ug/l	98

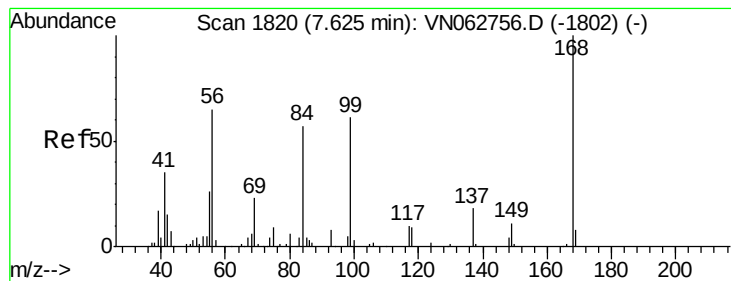
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	83839	42.970	ug/l	96
94) Hexachlorobutadiene	14.98	225	55023	47.481	ug/l	99
95) Naphthalene	15.10	128	230330	43.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	85937	44.488	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

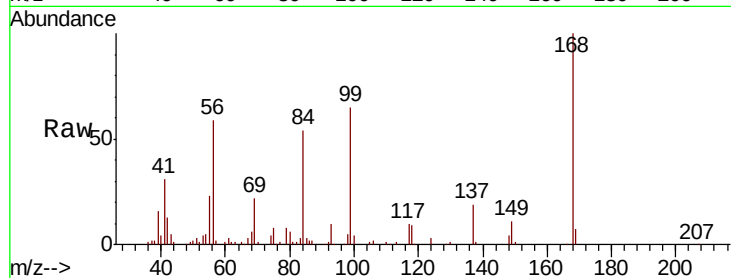
VSTDCCC050EC

Tot Ion:168 Resp: 158421

Ion Ratio Lower Upper

168 100

99 64.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

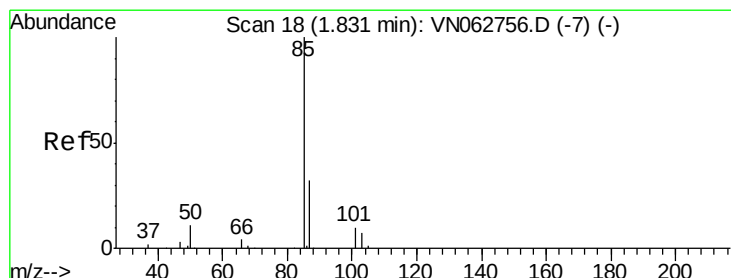
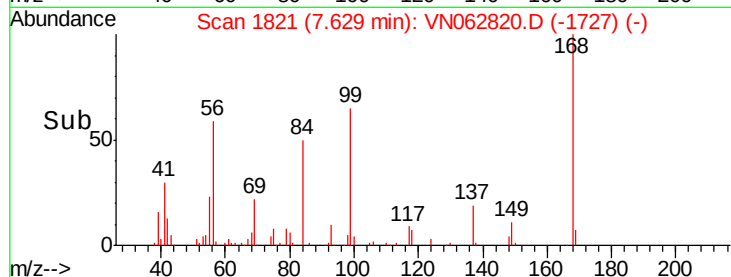
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.522 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062820.D

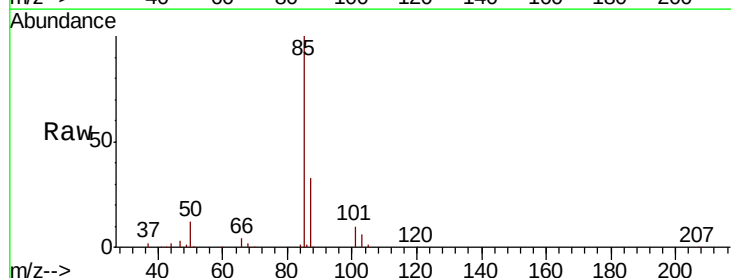
Acq: 10 Aug 2020 20:14

Tgt Ion: 85 Resp: 110073

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

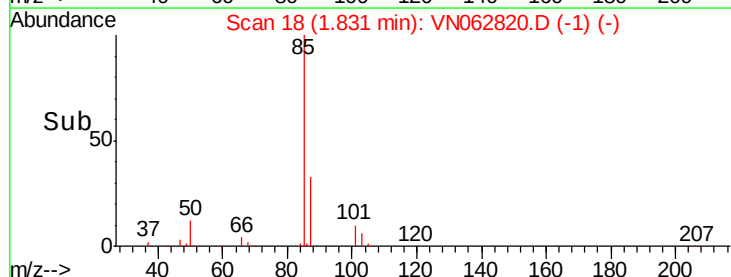
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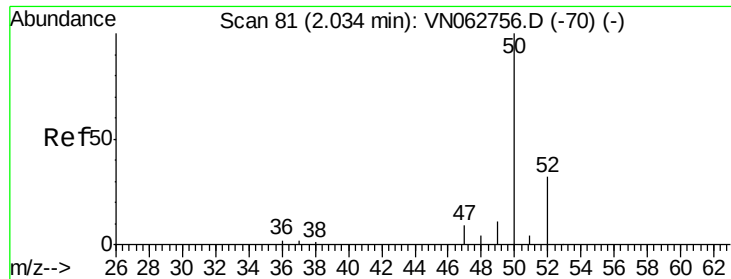
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->

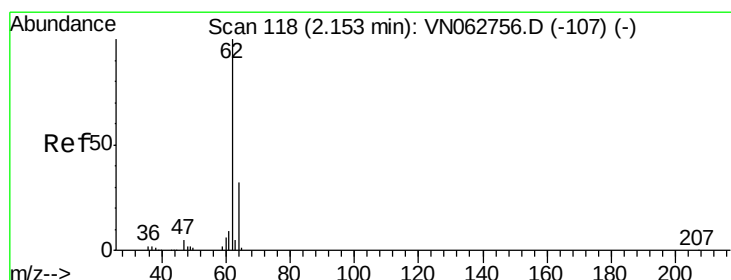
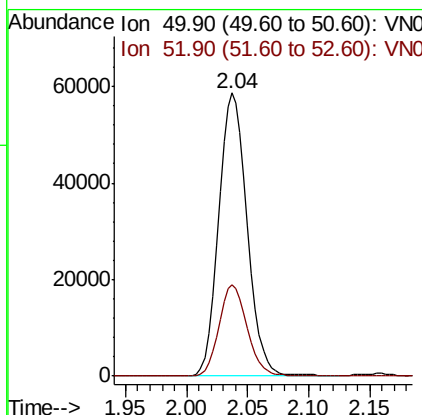
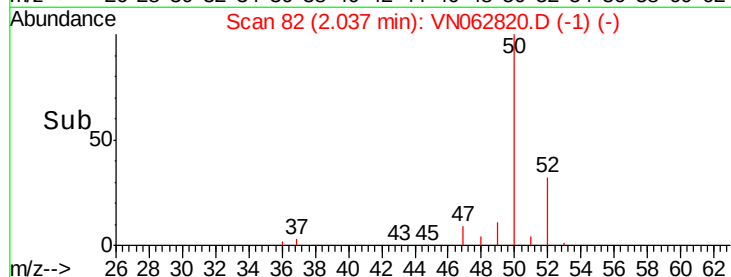
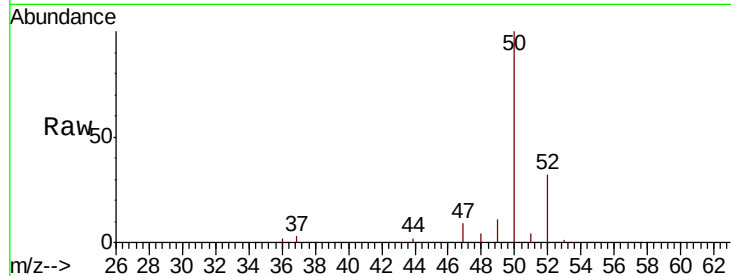




#3
 Chloromethane
 Concen: 44.900 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

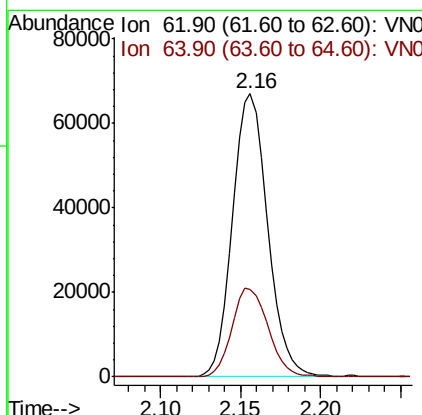
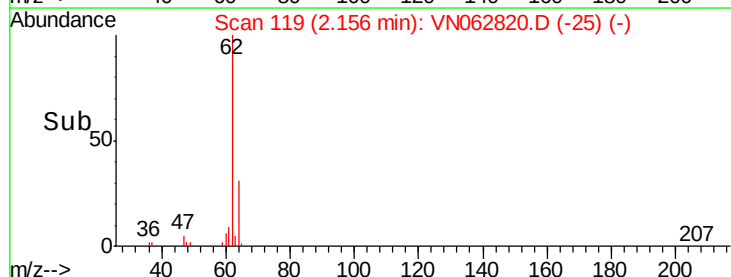
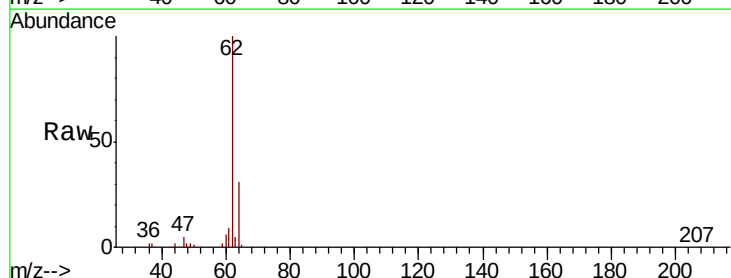
Instrument :
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 VSTDCCC050EC

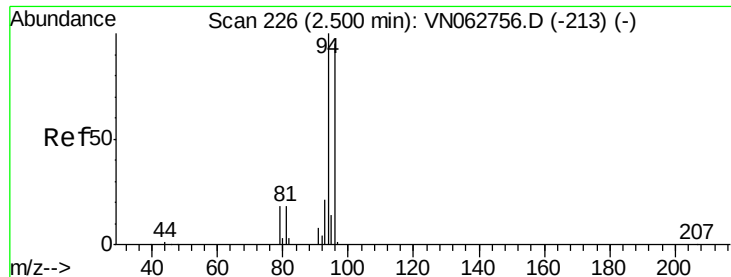
Tot Ion: 50 Resp: 96118
 Ion Ratio Lower Upper
 50 100
 52 32.5 25.6 38.4



#4
 Vinyl Chloride
 Concen: 49.815 ug/l
 RT: 2.16 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 62 Resp: 100021
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.8 38.8





#5

Bromomethane

Concen: 50.257 ug/l

RT: 2.50 min Scan# 226

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

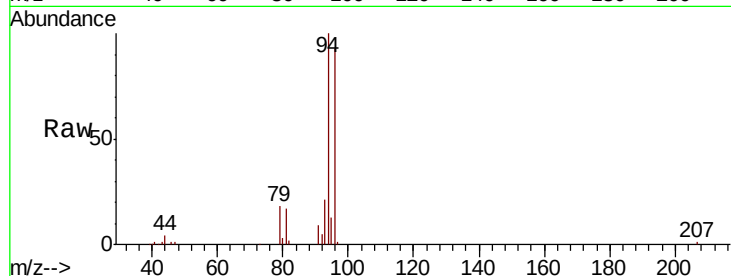
VSTDCCC050EC

Tot Ion: 94 Resp: 66799

Ion Ratio Lower Upper

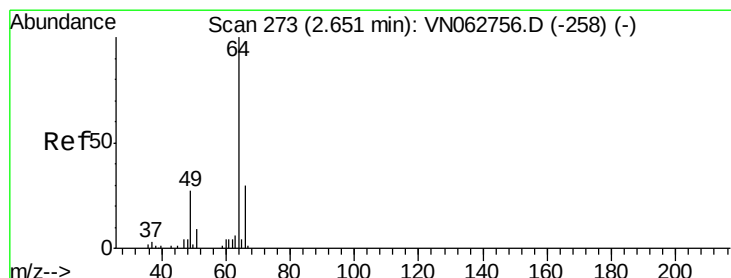
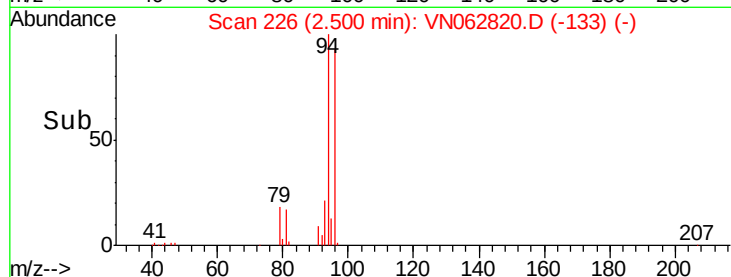
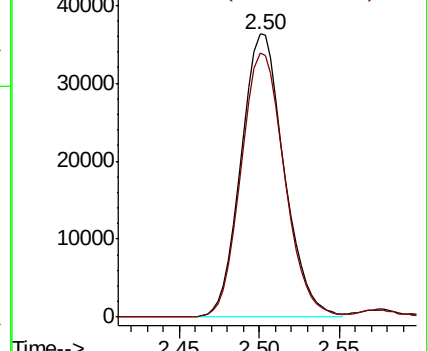
94 100

96 93.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.271 ug/l

RT: 2.65 min Scan# 273

Delta R.T. 0.00 min

Lab File: VN062820.D

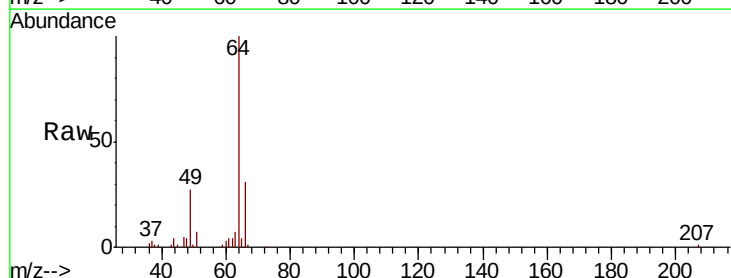
Acq: 10 Aug 2020 20:14

Tgt Ion: 64 Resp: 67725

Ion Ratio Lower Upper

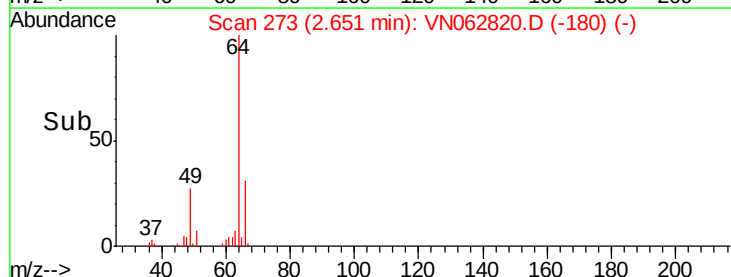
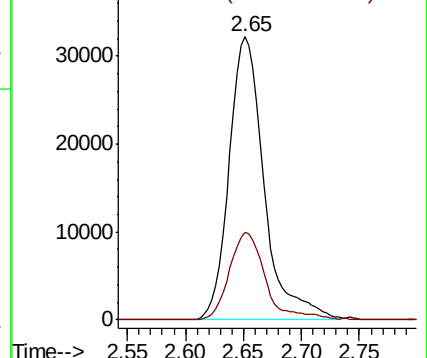
64 100

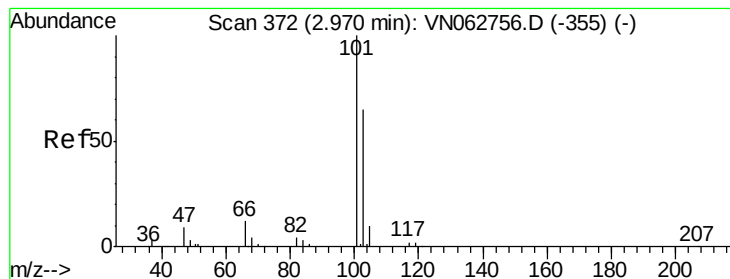
66 30.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



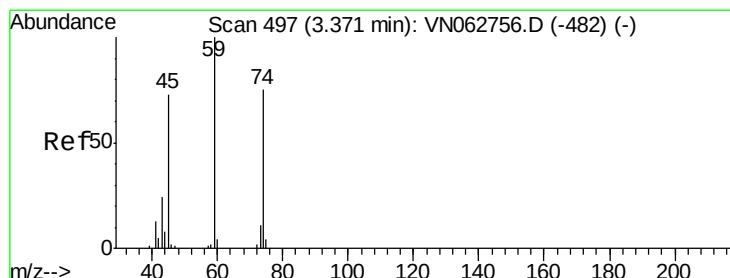
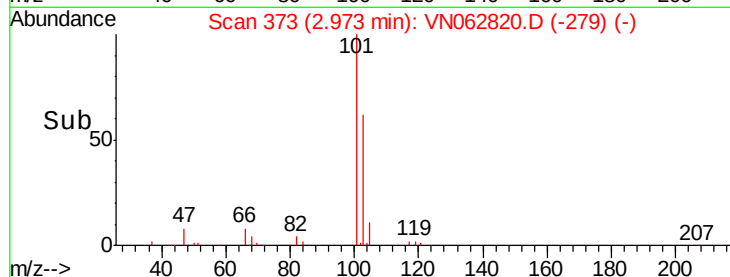
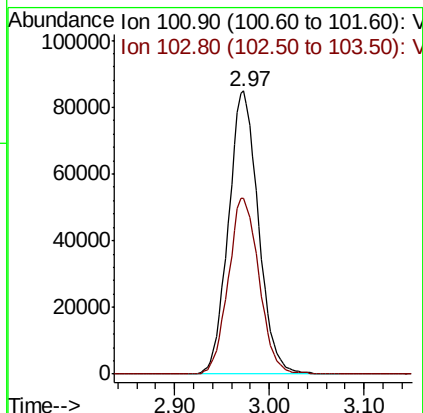
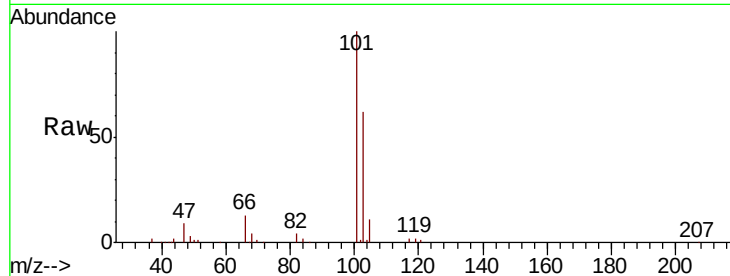


#7

Trichlorofluoromethane
 Concen: 52.153 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
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 VSTDCCC050EC

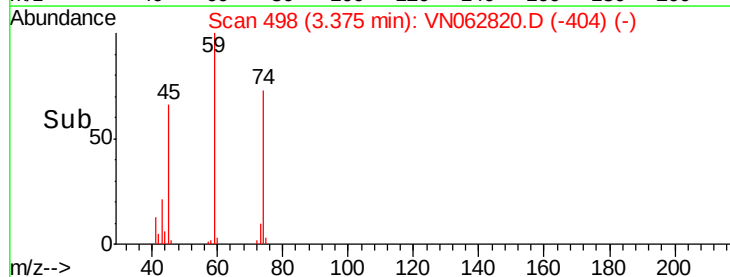
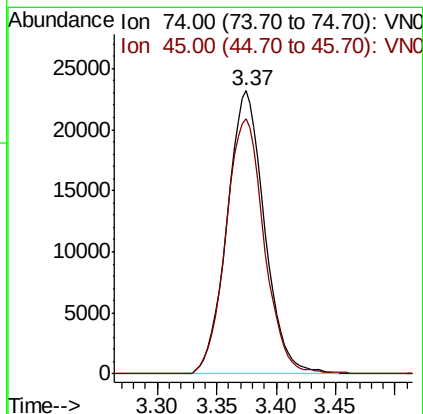
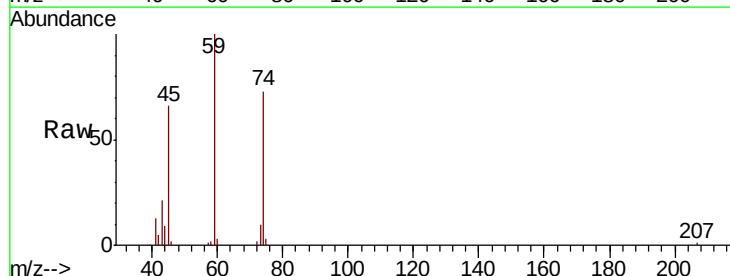
Tot Ion:101 Resp: 186723
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.3 78.5

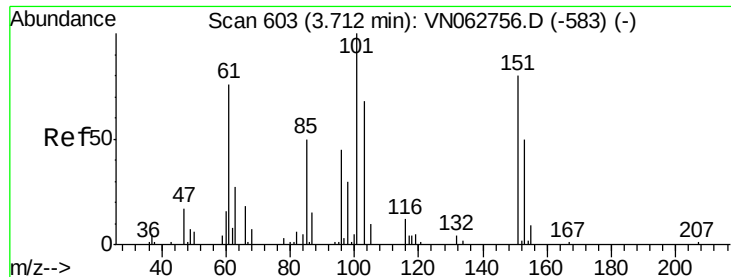


#8

Diethyl Ether
 Concen: 49.247 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 74 Resp: 50476
 Ion Ratio Lower Upper
 74 100
 45 92.3 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.277 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

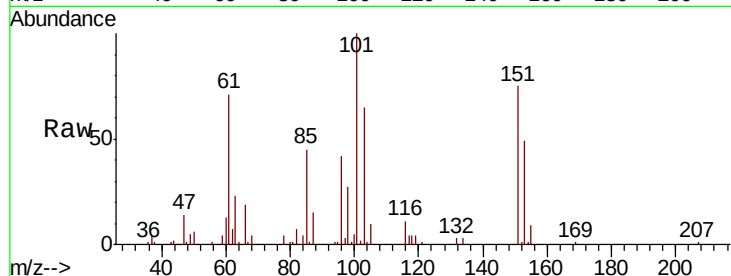
Tot Ion:101 Resp: 72592

Ion Ratio Lower Upper

101 100

85 46.6 38.5 57.7

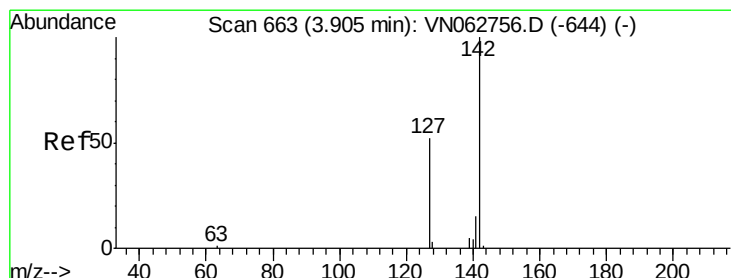
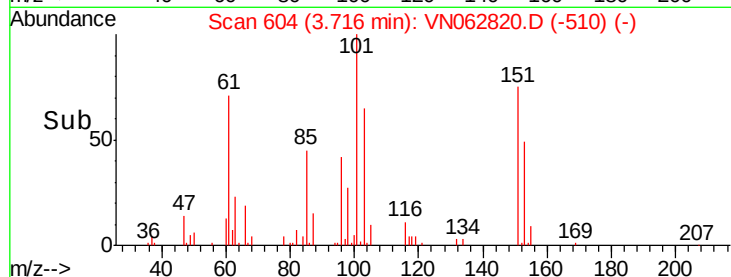
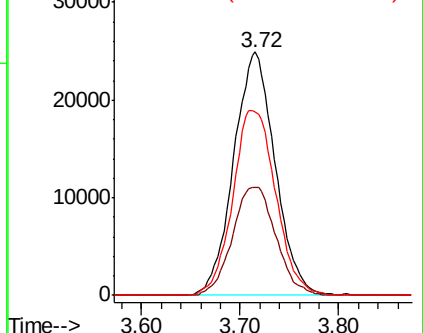
151 78.6 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.129 ug/l

RT: 3.91 min Scan# 663

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

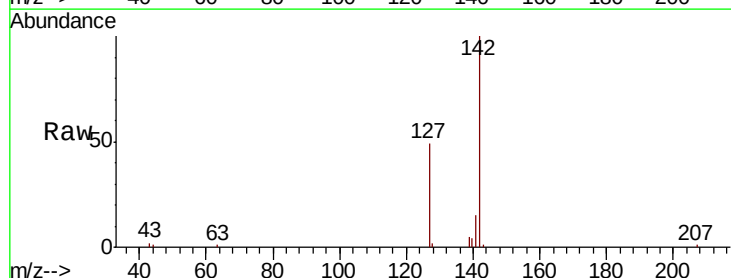
Tgt Ion:142 Resp: 92196

Ion Ratio Lower Upper

142 100

127 50.9 41.4 62.0

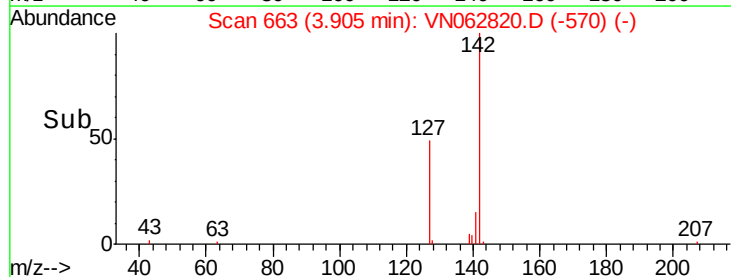
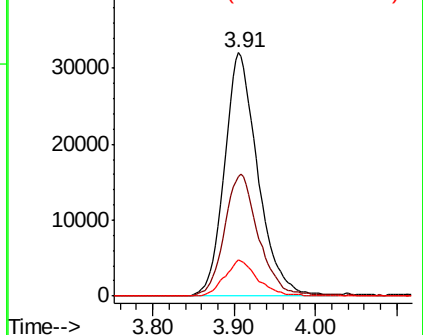
141 14.5 12.2 18.4

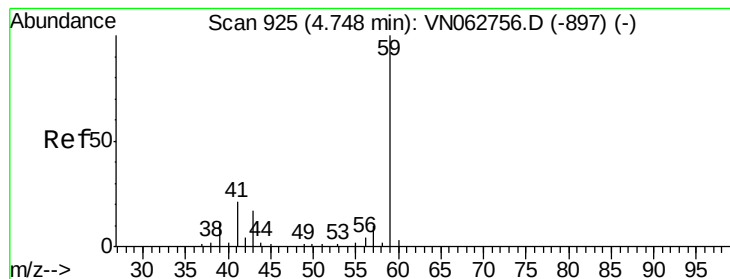


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



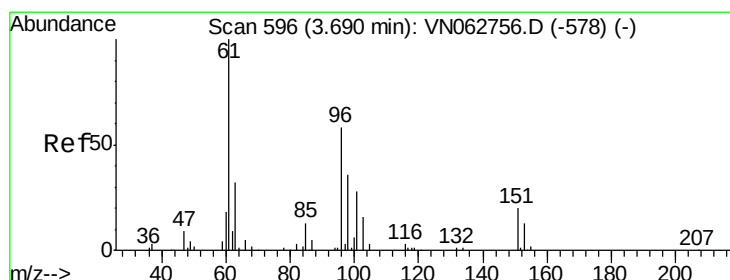
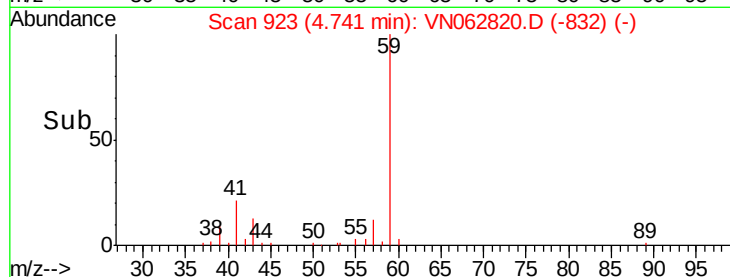
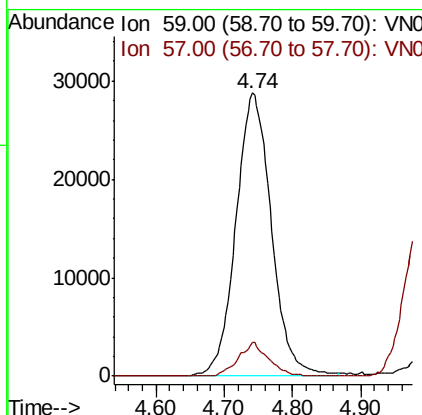
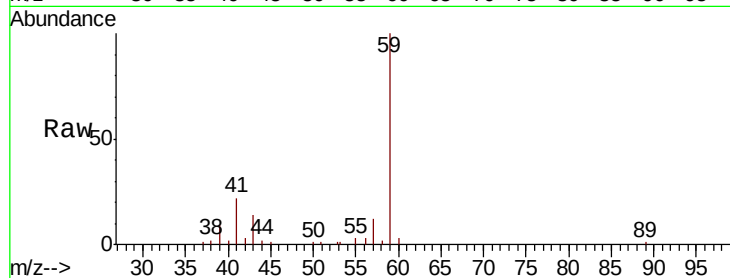


#11

Tert butyl alcohol
 Concen: 241.753 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

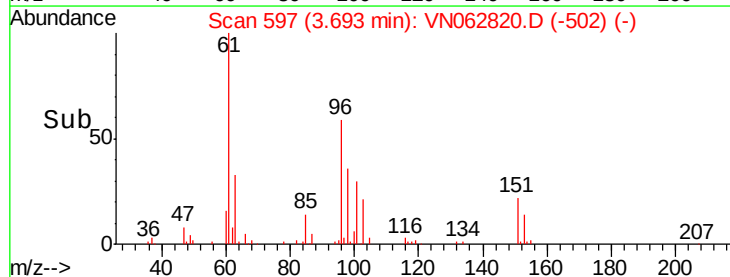
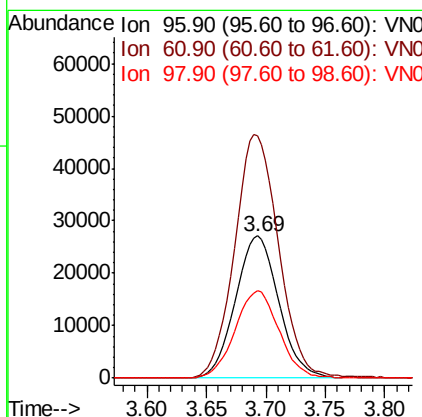
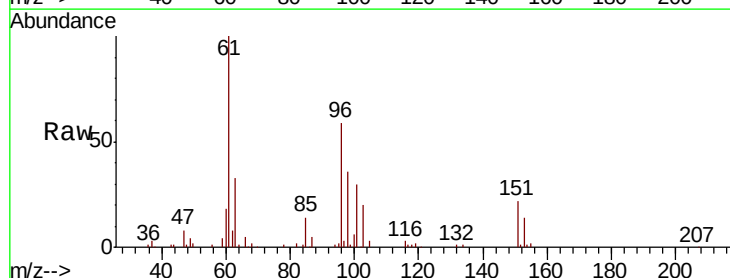
Tot Ion: 59 Resp: 103803
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

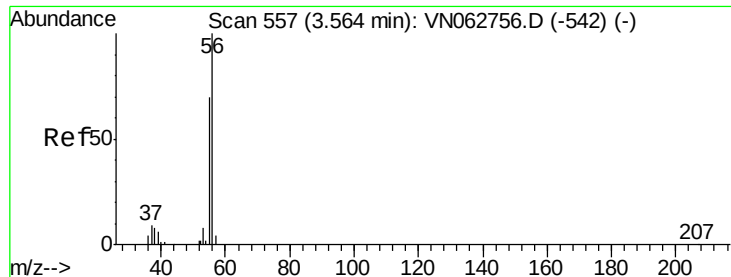


#12

1,1-Dichloroethene
 Concen: 50.748 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 96 Resp: 68443
 Ion Ratio Lower Upper
 96 100
 61 170.2 139.0 208.6
 98 61.4 50.2 75.4





#13

Acrolein

Concen: 254.906 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

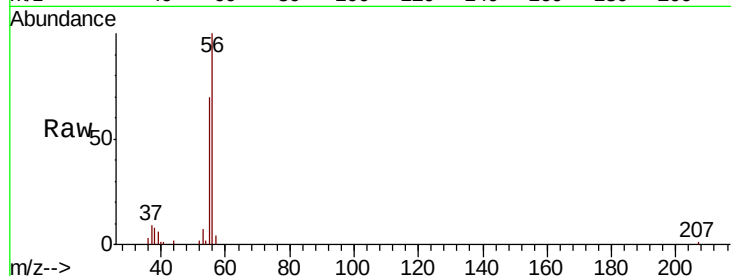
VSTDCCC050EC

Tot Ion: 56 Resp: 66269

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN062820.D (-542) (-)

Ion 55.00 (54.70 to 55.70): VN062820.D (-542) (-)

3.57

30000

25000

20000

15000

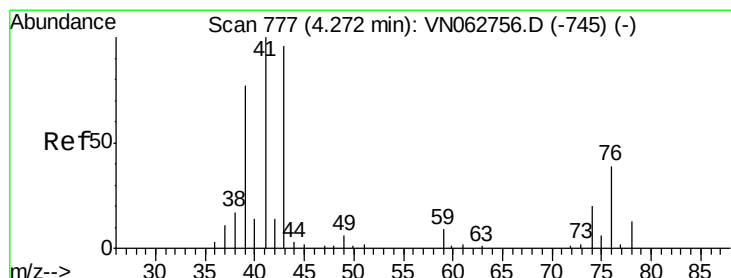
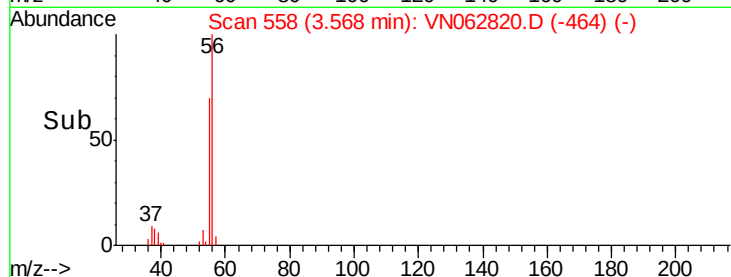
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 43.696 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

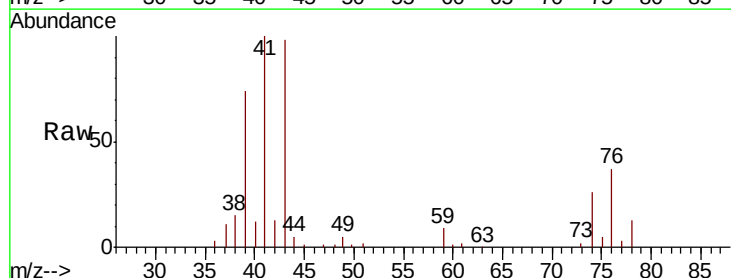
Tgt Ion: 41 Resp: 121197

Ion Ratio Lower Upper

41 100

39 67.7 55.7 83.5

76 34.8 27.5 41.3



Abundance Ion 41.00 (40.70 to 41.70): VN062820.D (-684) (-)

Ion 39.00 (38.70 to 39.70): VN062820.D (-684) (-)

Ion 75.90 (75.60 to 76.60): VN062820.D (-684) (-)

4.28

50000

40000

30000

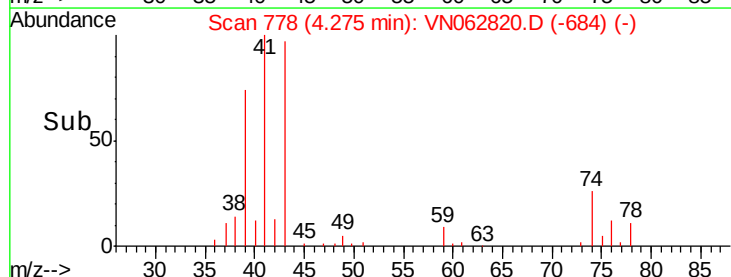
20000

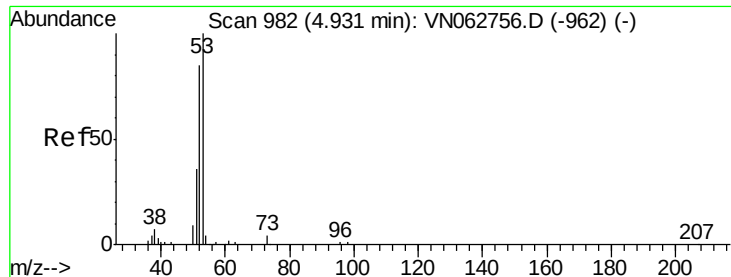
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 243.616 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

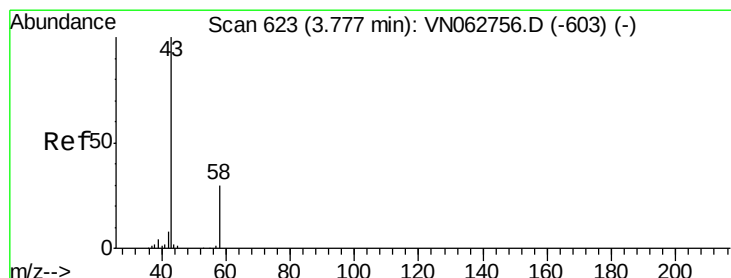
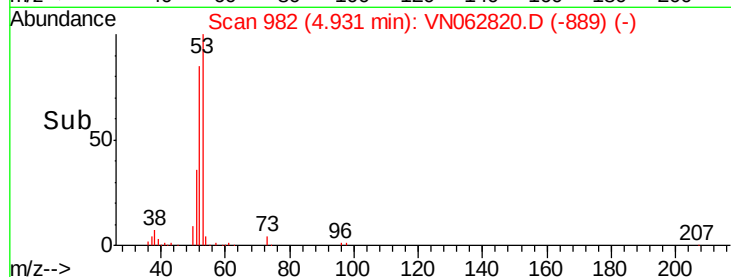
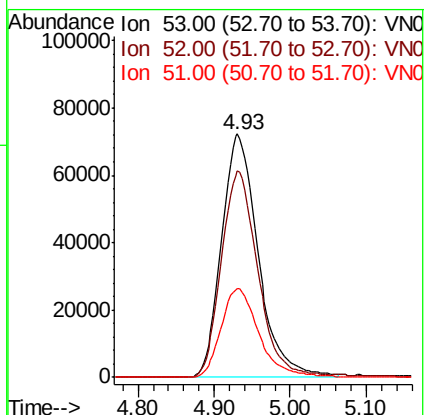
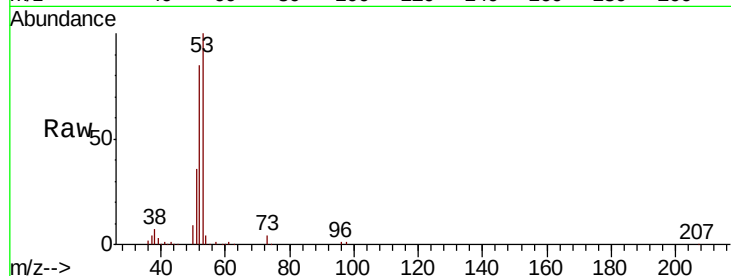
Tot Ion: 53 Resp: 242616

Ion Ratio Lower Upper

53 100

52 84.4 66.8 100.2

51 37.6 29.5 44.3



#16

Acetone

Concen: 218.258 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062820.D

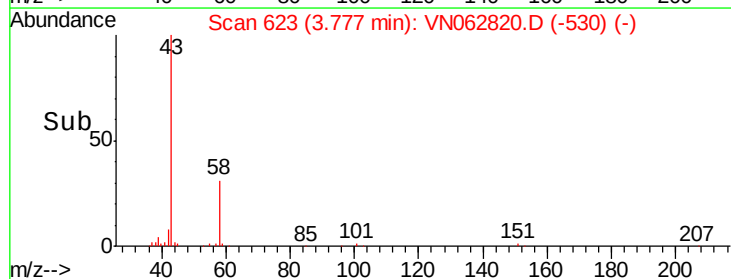
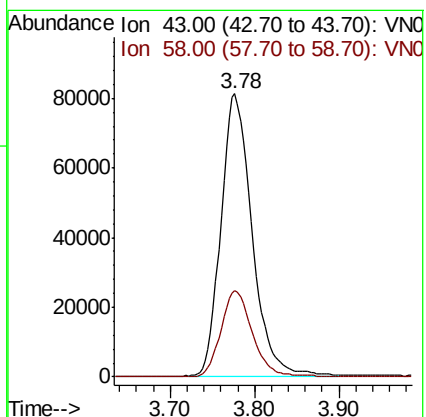
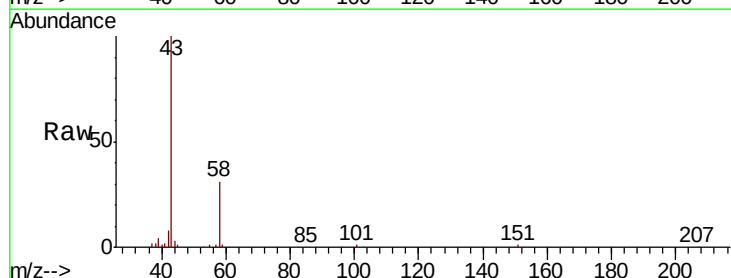
Acq: 10 Aug 2020 20:14

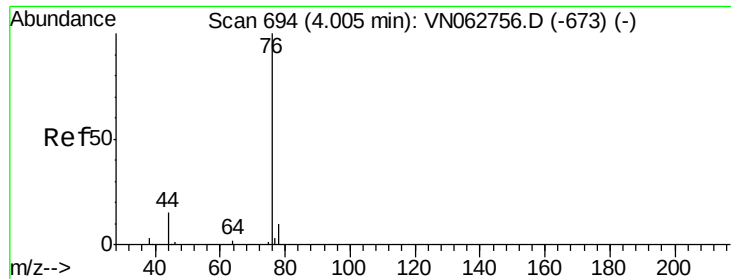
Tgt Ion: 43 Resp: 206609

Ion Ratio Lower Upper

43 100

58 30.7 24.1 36.1

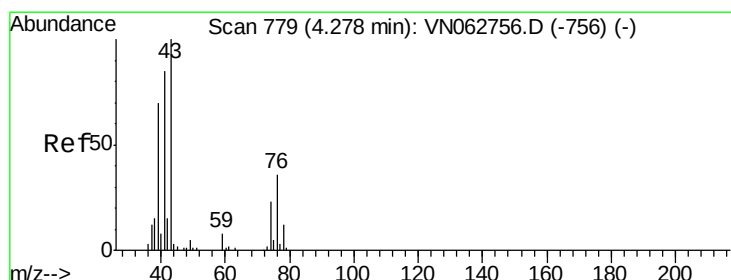
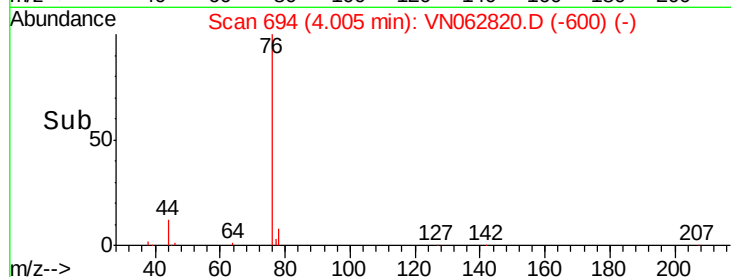
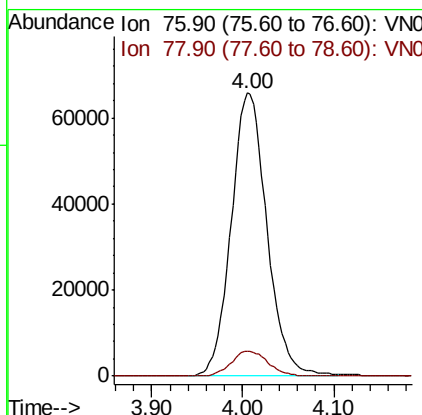
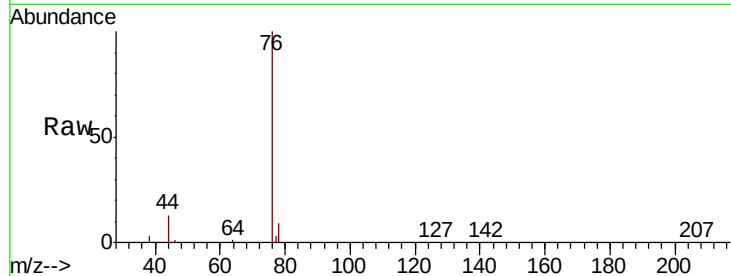




#17
Carbon Disulfide
Concen: 46.739 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

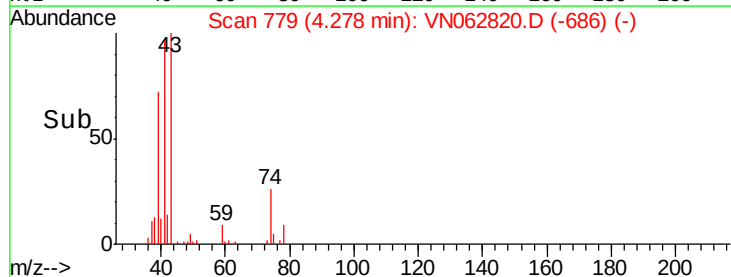
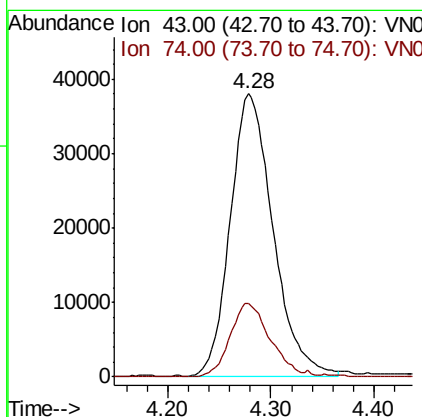
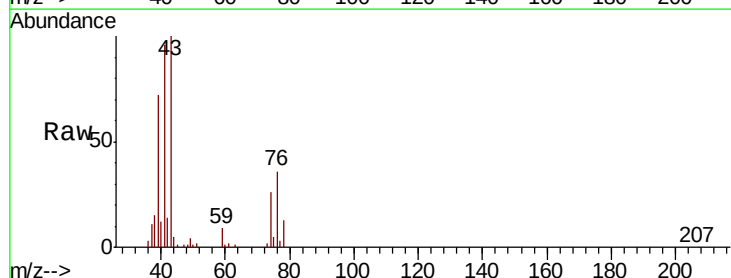
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

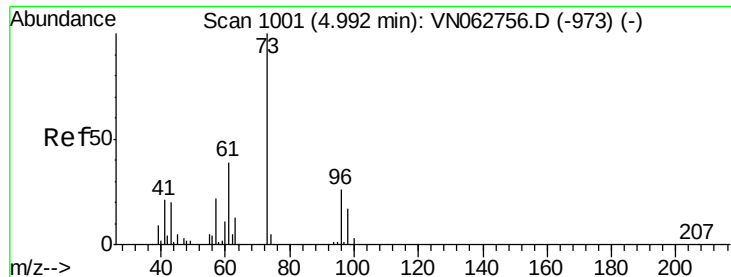
Tot Ion: 76 Resp: 179264
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#18
Methyl Acetate
Concen: 49.349 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 43 Resp: 110522
Ion Ratio Lower Upper
43 100
74 24.4 18.6 28.0

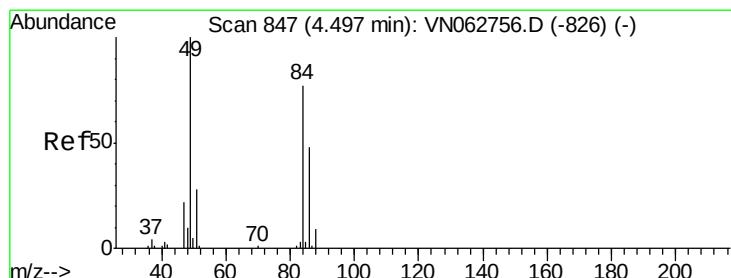
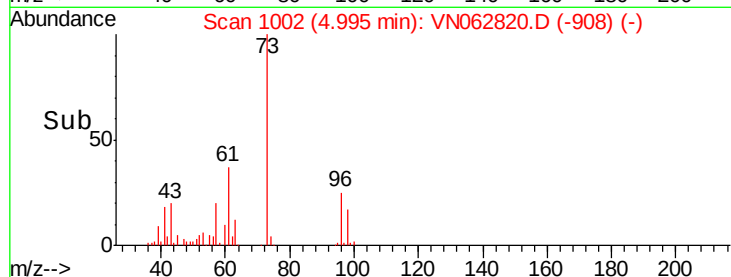
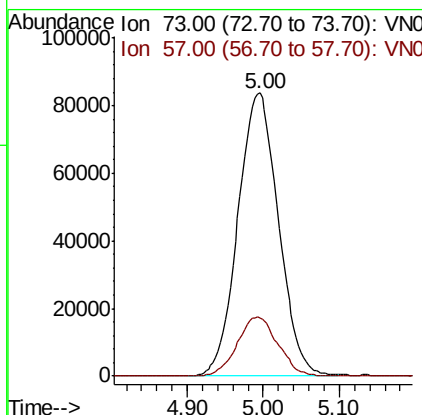
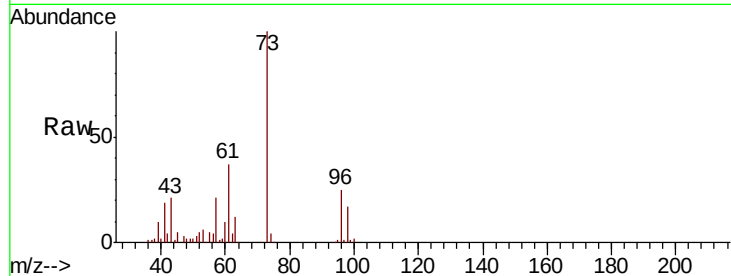




#19
Methyl tert-butyl Ether
Concen: 50.514 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

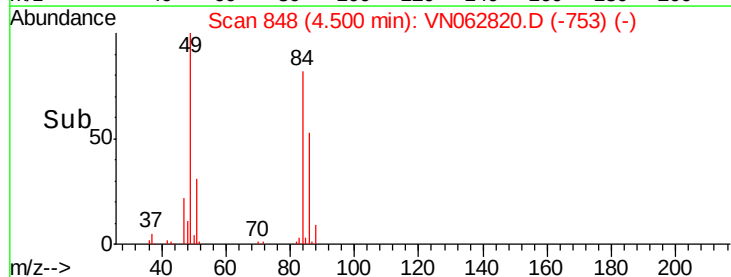
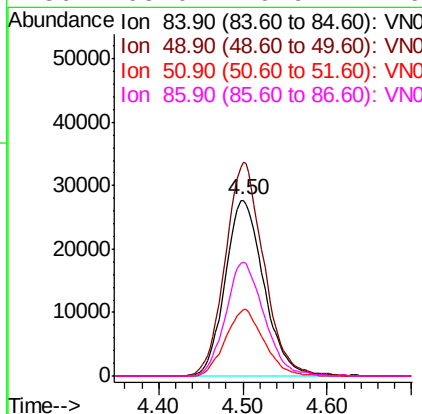
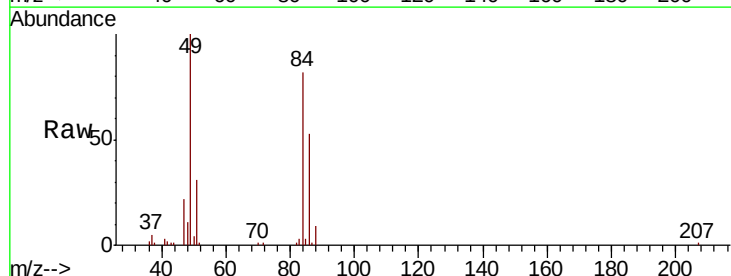
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

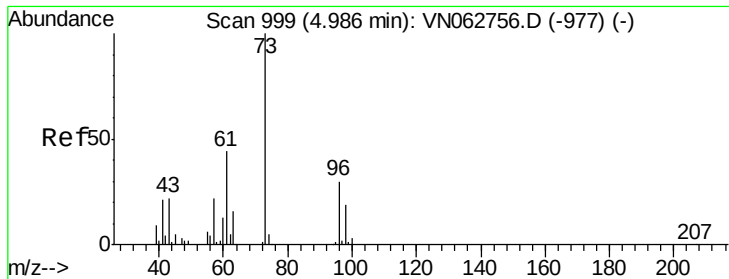
Tot Ion: 73 Resp: 310043
Ion Ratio Lower Upper
73 100
57 20.7 17.5 26.3



#20
Methylene Chloride
Concen: 50.908 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 84 Resp: 88169
Ion Ratio Lower Upper
84 100
49 121.1 103.4 155.2
51 37.9 29.3 43.9
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.542 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

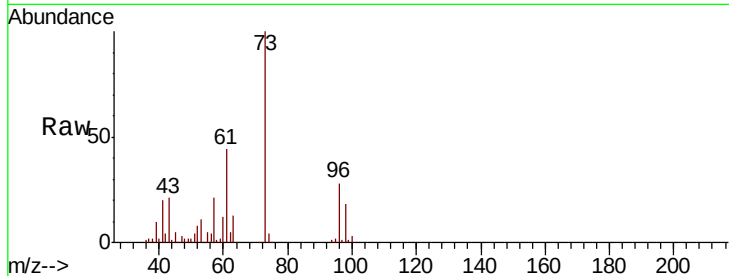
Tot Ion: 96 Resp: 73784

Ion Ratio Lower Upper

96 100

61 154.9 118.8 178.2

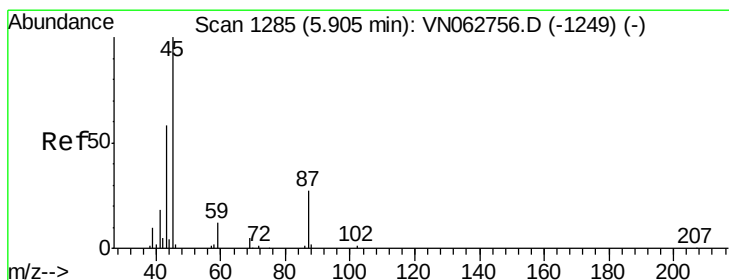
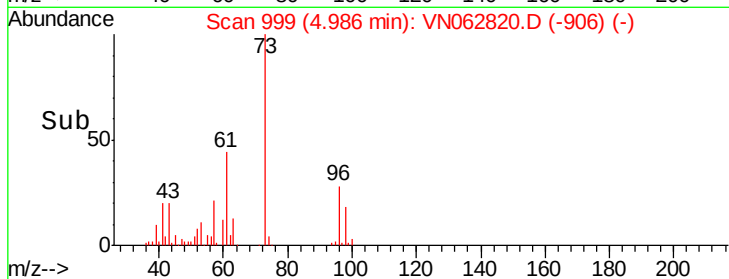
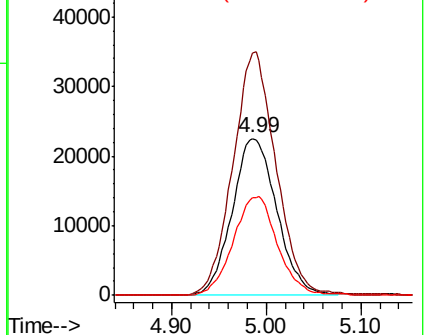
98 62.2 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN062820.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN062820.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN062820.D (-906) (-)



#22

Diisopropyl ether

Concen: 48.767 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Tgt Ion: 45 Resp: 287942

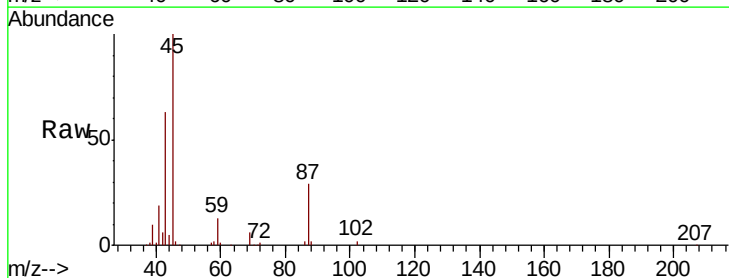
Ion Ratio Lower Upper

45 100

43 60.9 47.4 71.2

87 29.1 22.8 34.2

59 13.0 9.9 14.9

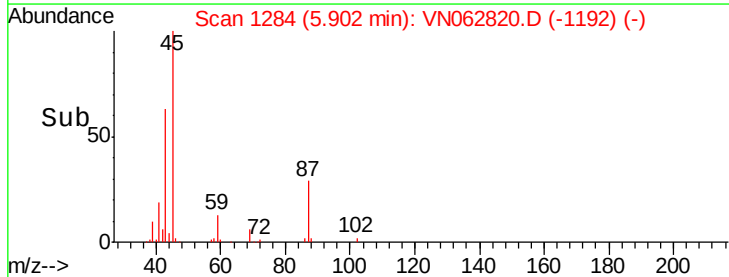
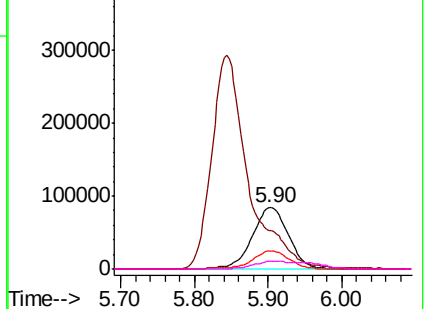


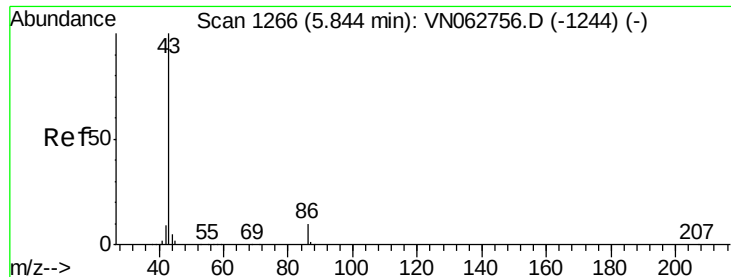
Abundance Ion 45.00 (44.70 to 45.70): VN062820.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN062820.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN062820.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN062820.D (-1192) (-)





#23

Vinyl Acetate

Concen: 225.687 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

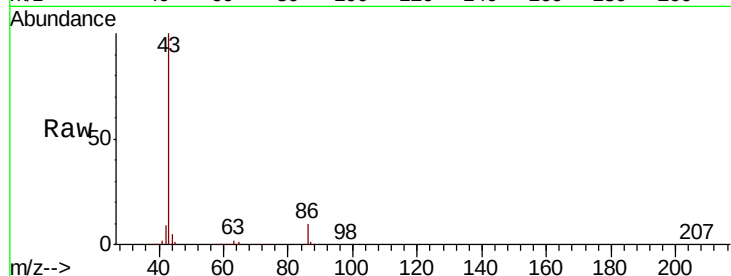
VSTDCCC050EC

Tot Ion: 43 Resp: 1013567

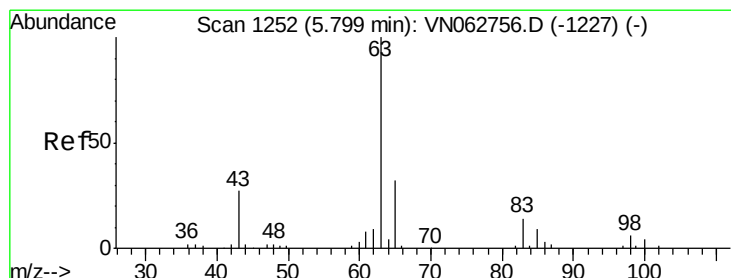
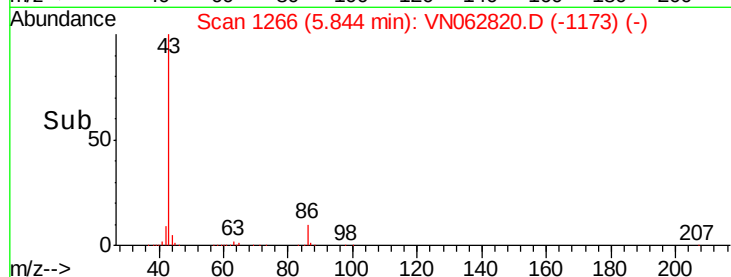
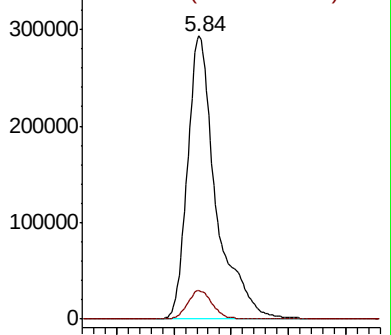
Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN062820.D (-1173) (-)



#24

1,1-Dichloroethane

Concen: 46.087 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

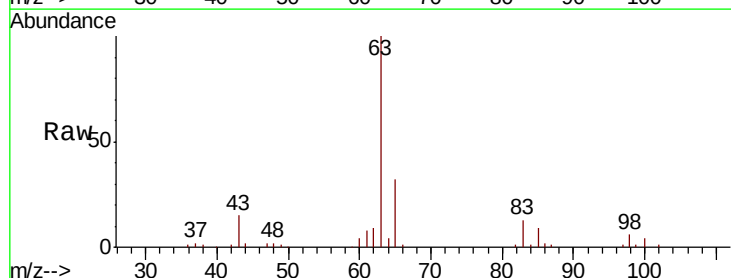
Tgt Ion: 63 Resp: 159469

Ion Ratio Lower Upper

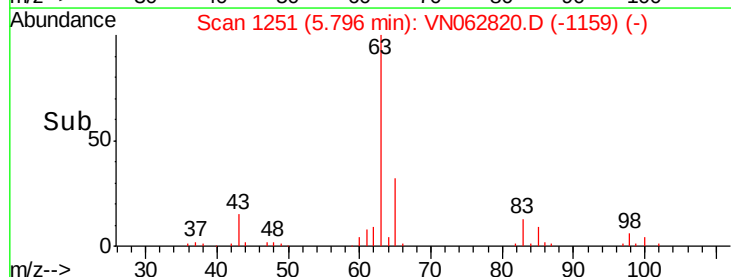
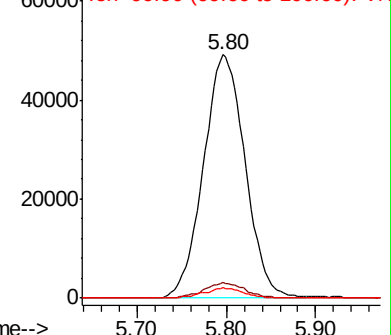
63 100

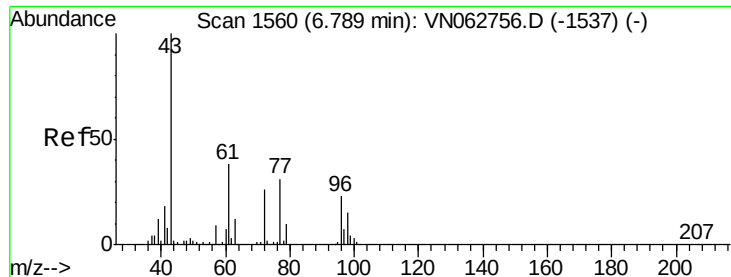
98 6.3 3.0 9.2

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN062820.D (-1159) (-)





#25

2-Butanone

Concen: 237.998 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

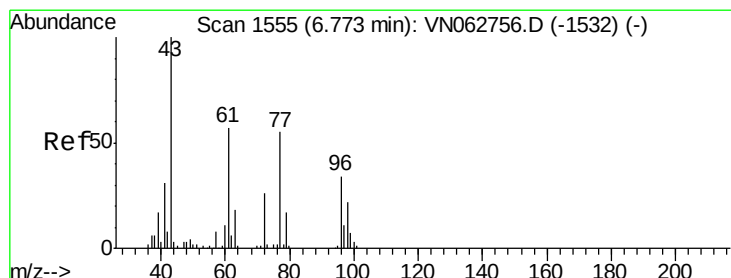
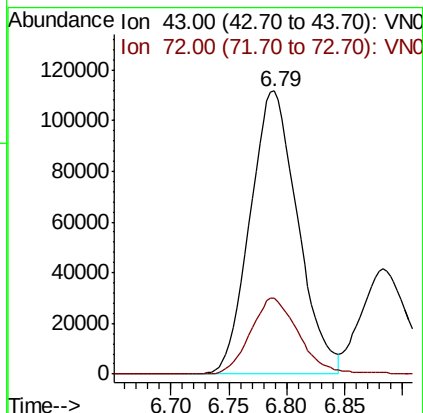
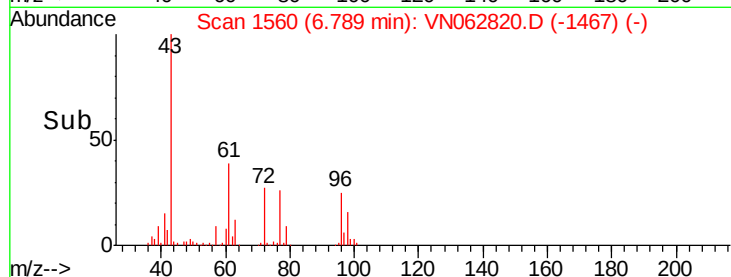
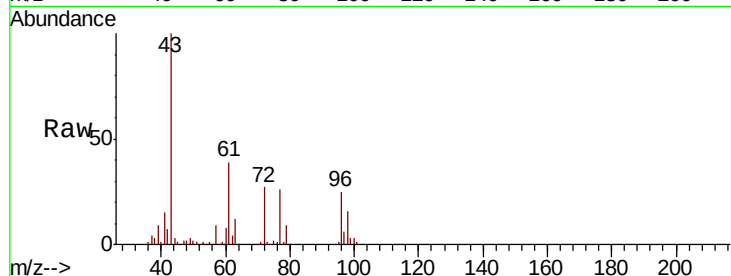
VSTDCCC050EC

Tot Ion: 43 Resp: 319088

Ion Ratio Lower Upper

43 100

72 26.8 21.1 31.7



#26

2,2-Dichloropropane

Concen: 35.168 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062820.D

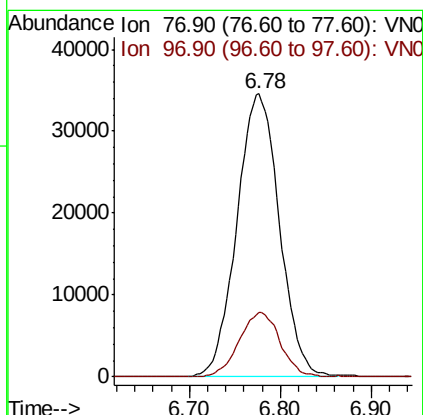
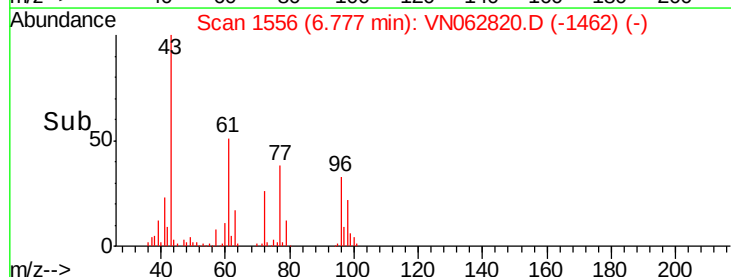
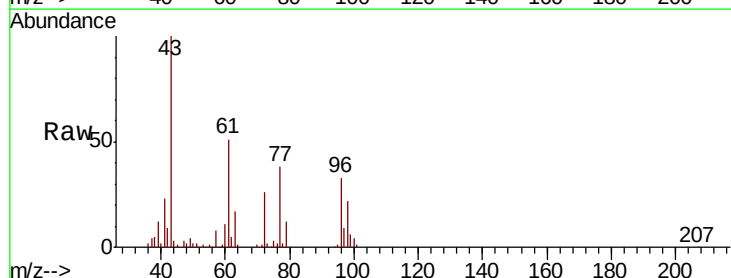
Acq: 10 Aug 2020 20:14

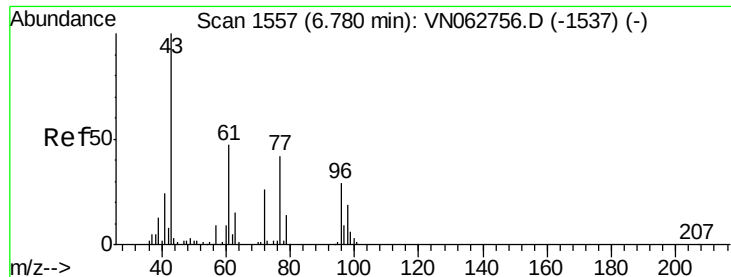
Tgt Ion: 77 Resp: 112170

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.265 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

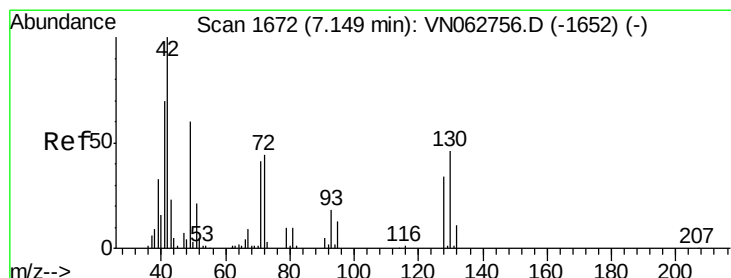
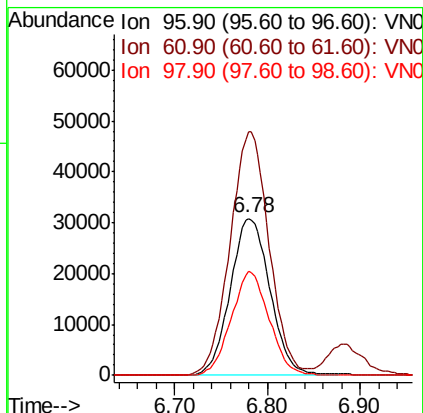
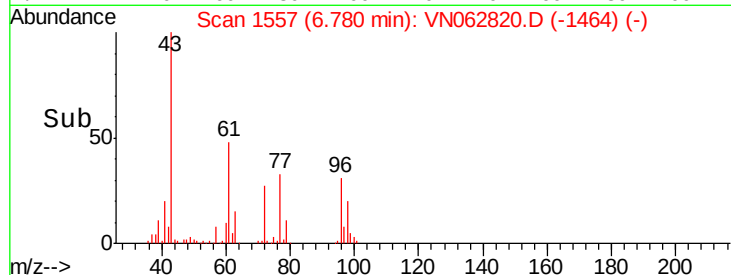
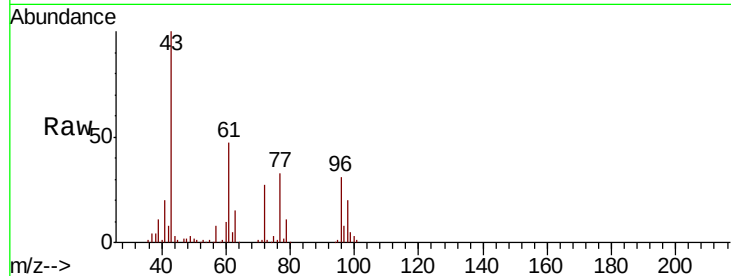
Tot Ion: 96 Resp: 91788

Ion Ratio Lower Upper

96 100

61 152.0 0.0 332.2

98 62.8 0.0 129.4



#28

Bromochloromethane

Concen: 49.007 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

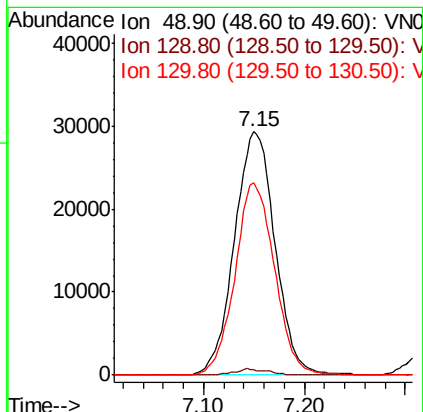
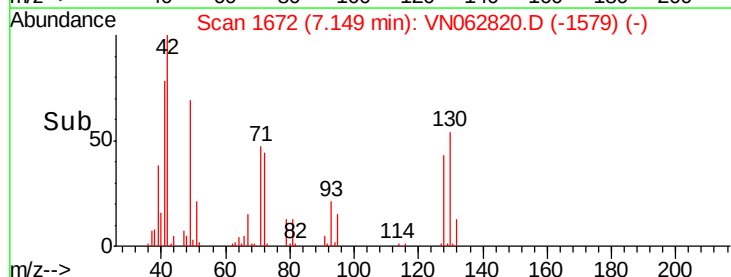
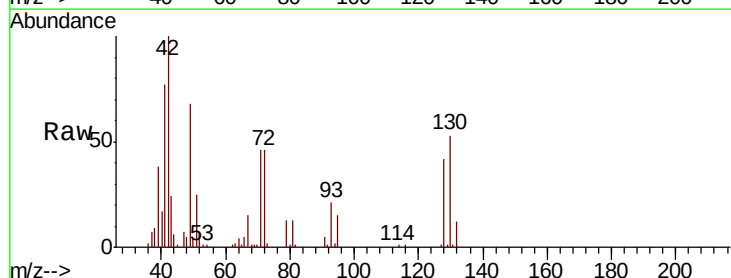
Tgt Ion: 49 Resp: 81840

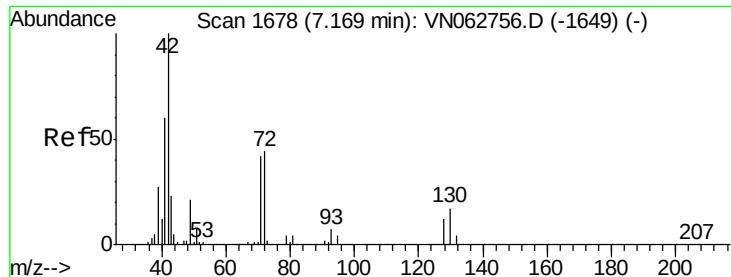
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.2

130 77.1 59.0 88.6

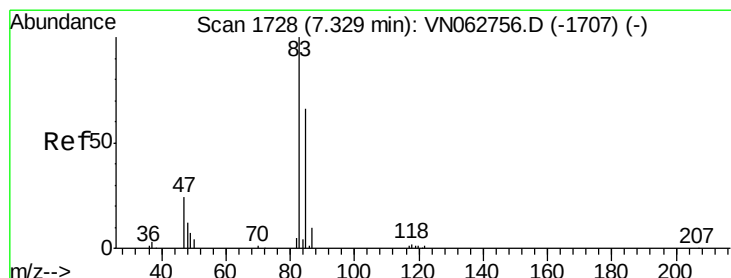
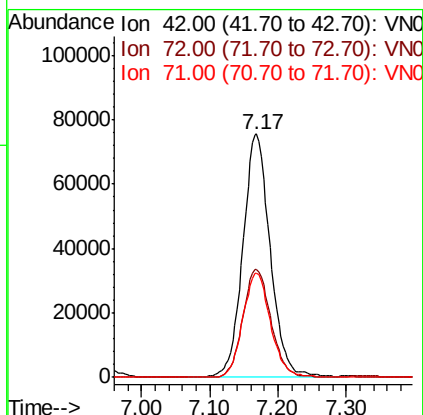
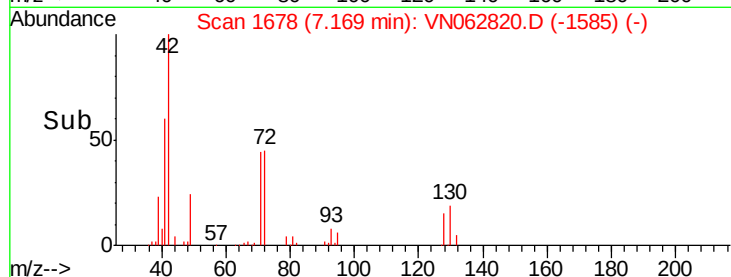
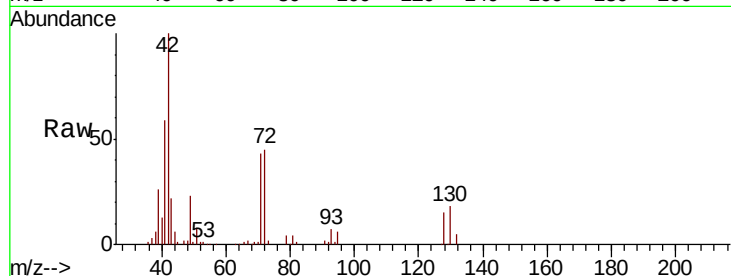




#29
Tetrahydrofuran
Concen: 241.893 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

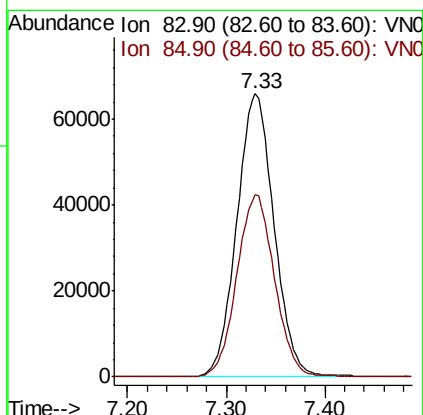
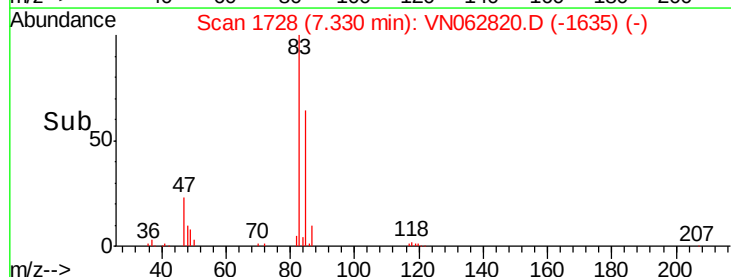
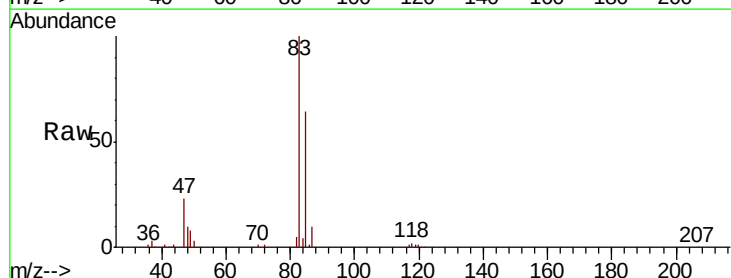
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

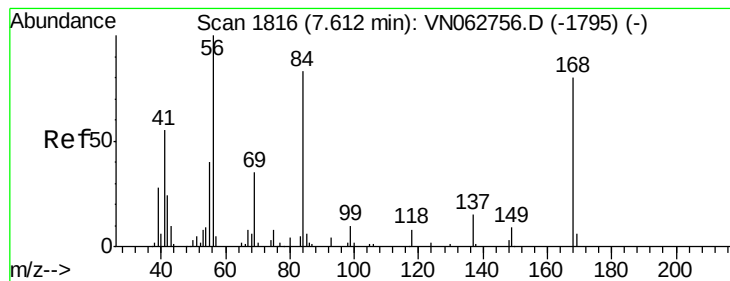
Tot Ion: 42 Resp: 210693
Ion Ratio Lower Upper
42 100
72 45.6 35.0 52.4
71 43.2 33.2 49.8



#30
Chloroform
Concen: 46.809 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 83 Resp: 172127
Ion Ratio Lower Upper
83 100
85 64.2 52.7 79.1





#31

Cyclohexane

Concen: 46.627 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

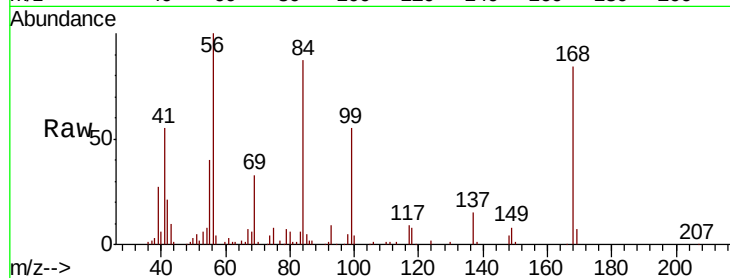
Tot Ion: 56 Resp: 148099

Ion Ratio Lower Upper

56 100

69 32.9 28.1 42.1

84 86.2 66.8 100.2

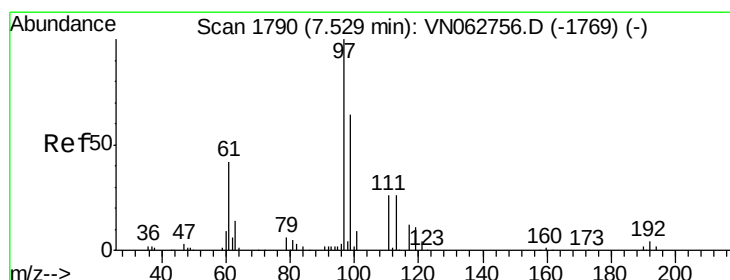
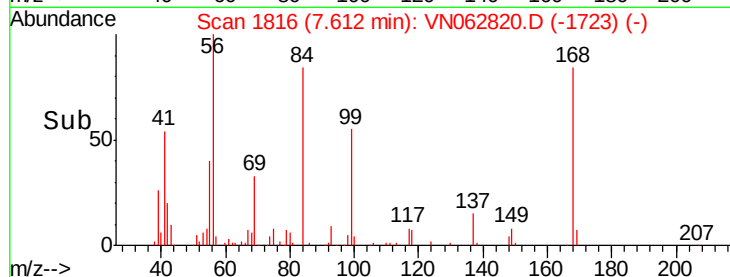
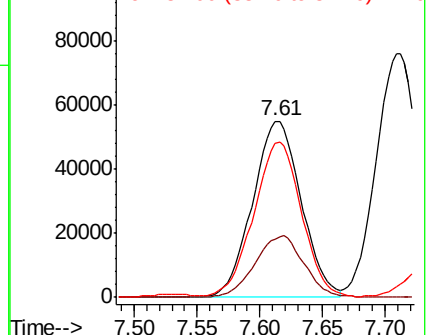


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.024 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

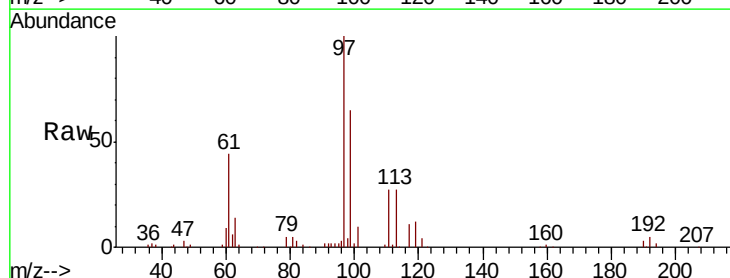
Tgt Ion: 97 Resp: 154603

Ion Ratio Lower Upper

97 100

99 63.2 50.0 75.0

61 43.6 34.8 52.2

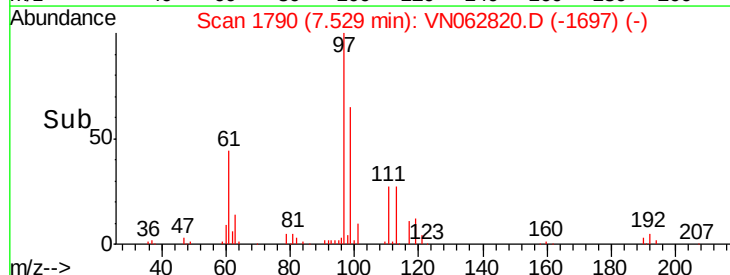
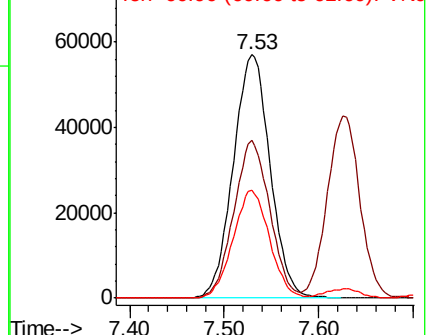


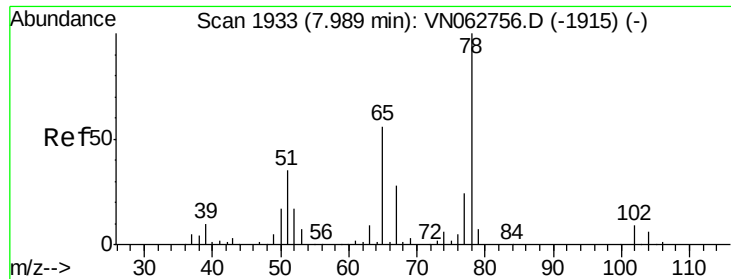
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

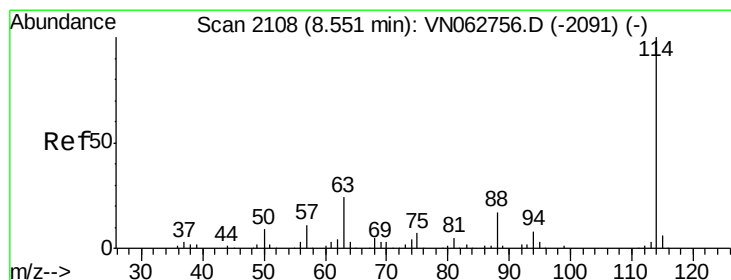
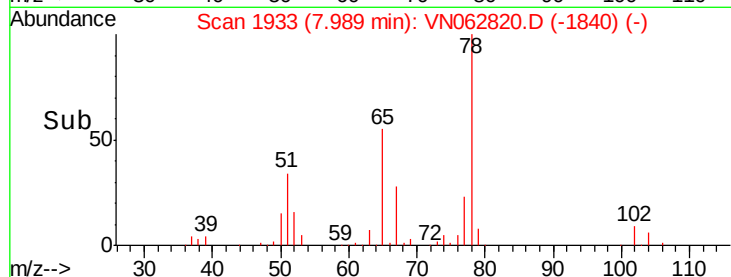
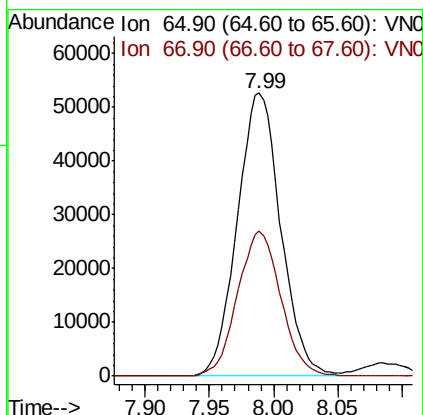
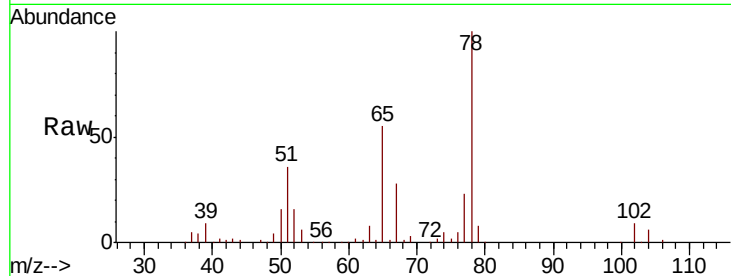




#33
 1,2-Dichloroethane-d4
 Concen: 47.232 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

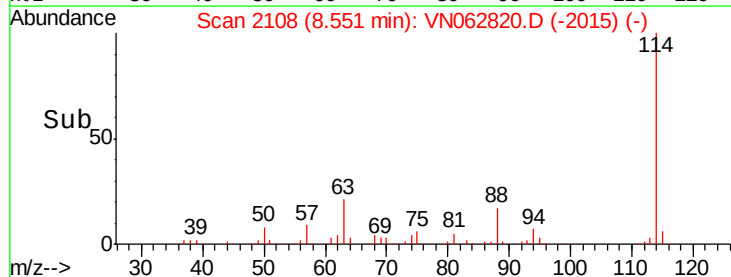
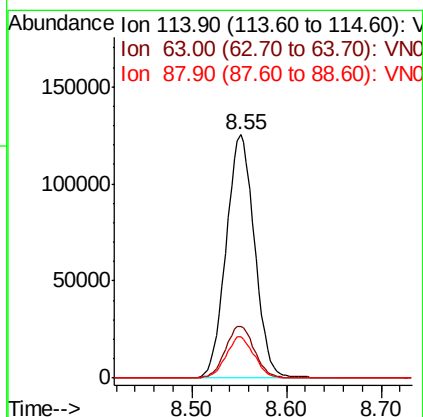
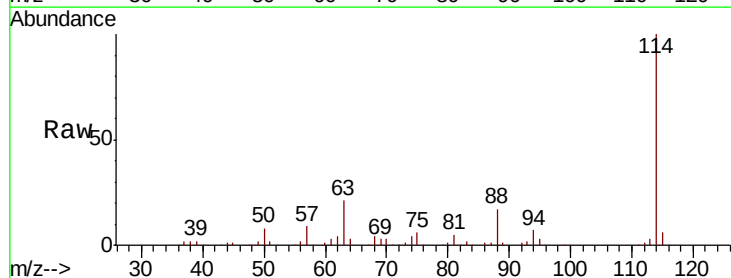
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

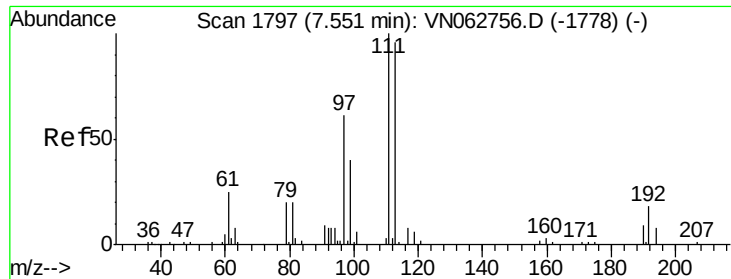
Tot Ion: 65 Resp: 123738
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 114 Resp: 261161
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 47.6
 88 17.2 0.0 34.4

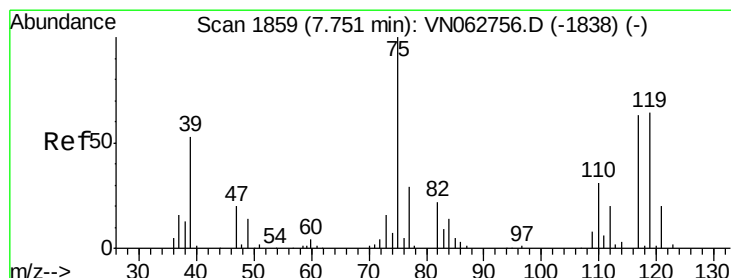
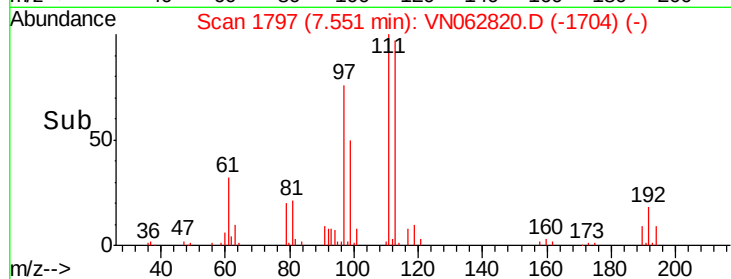
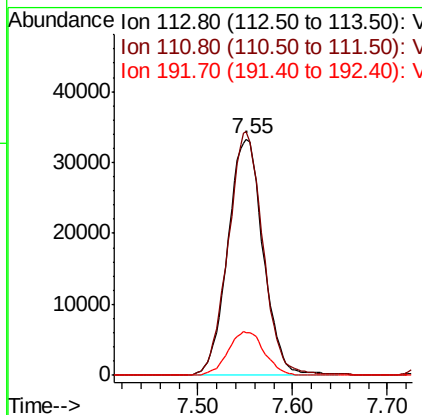
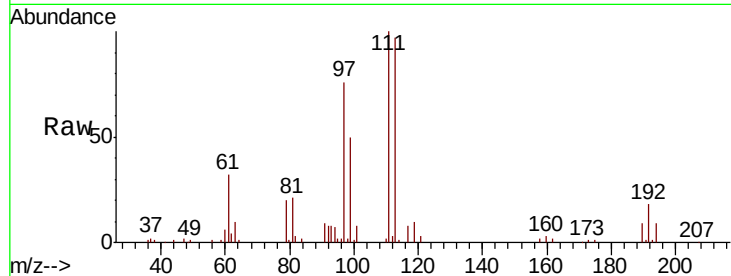




#35
 Dibromofluoromethane
 Concen: 48.526 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

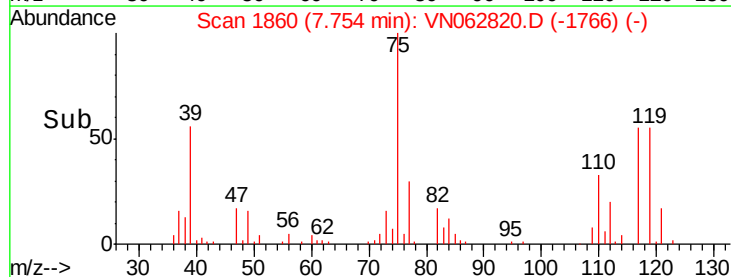
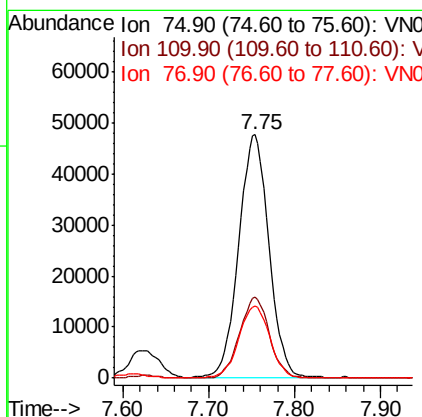
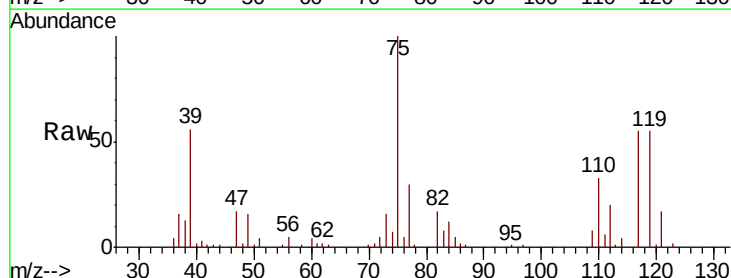
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

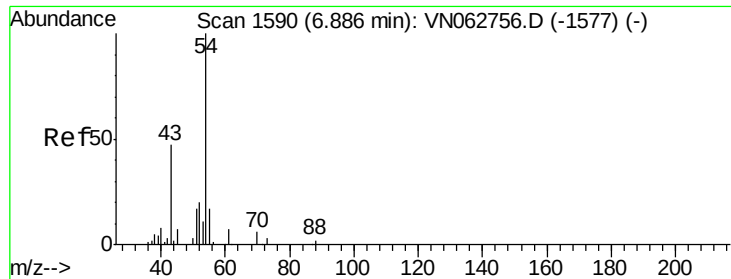
Tot Ion:113 Resp: 86691
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.8 122.6
 192 18.8 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 46.072 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 75 Resp: 117160
 Ion Ratio Lower Upper
 75 100
 110 32.6 15.6 46.7
 77 30.2 24.1 36.1

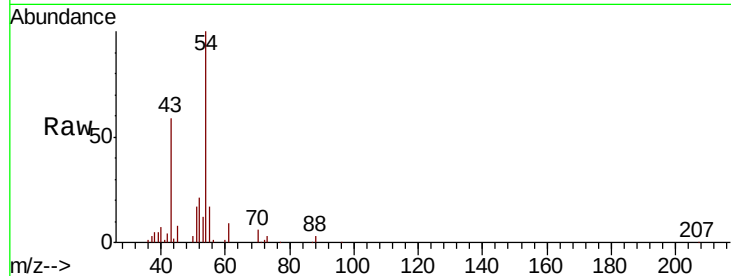




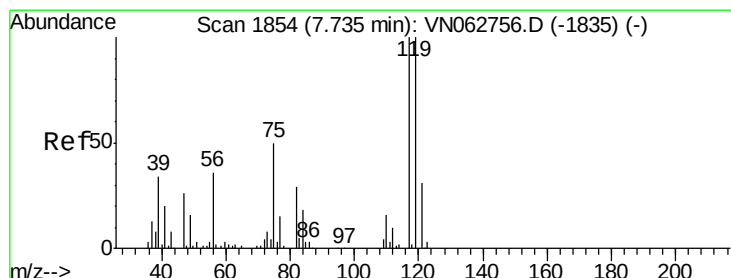
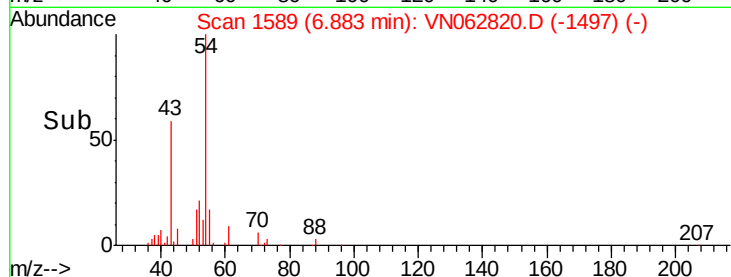
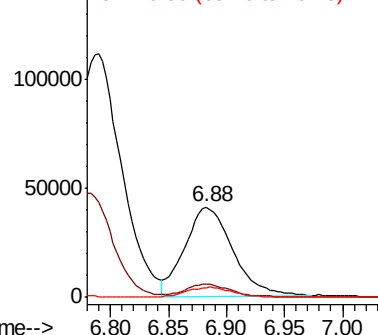
#37
Ethyl Acetate
Concen: 44.012 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 116911
Ion Ratio Lower Upper
43 100
61 14.8 12.1 18.1
70 11.1 8.3 12.5

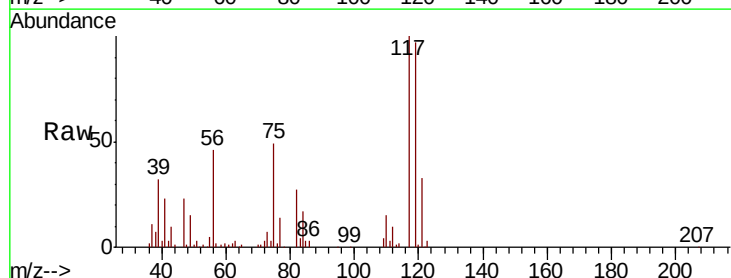


Abundance Ion 43.00 (42.70 to 43.70): VN0
150000
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

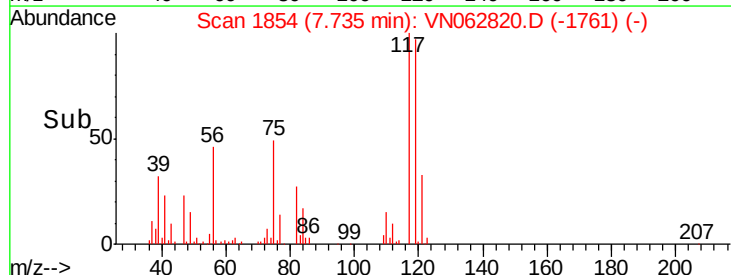
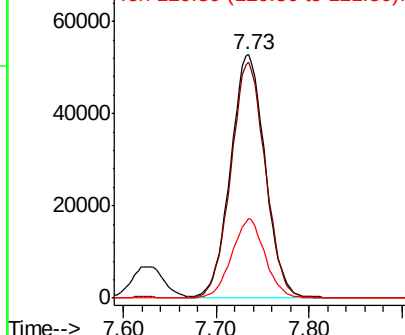


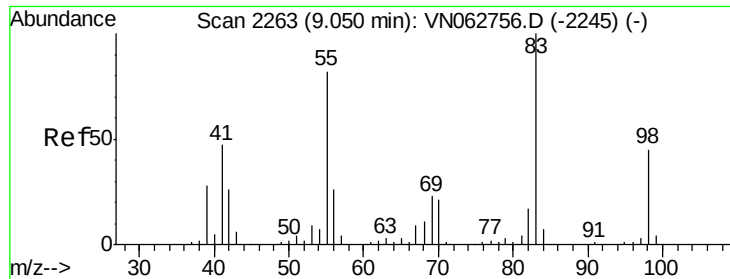
#38
Carbon Tetrachloride
Concen: 45.469 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 117 Resp: 136750
Ion Ratio Lower Upper
117 100
119 96.8 79.4 119.2
121 32.7 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

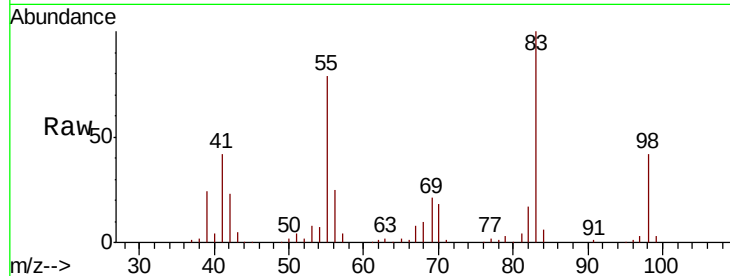




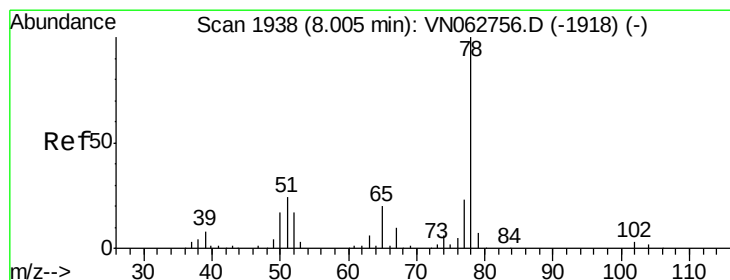
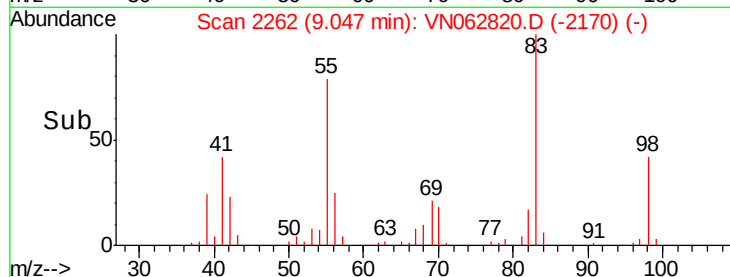
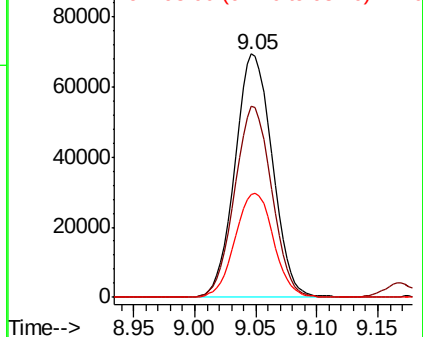
#39
Methylvlcyclohexane
Concen: 48.037 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 147007
Ion Ratio Lower Upper
83 100
55 78.7 65.7 98.5
98 42.1 35.6 53.4

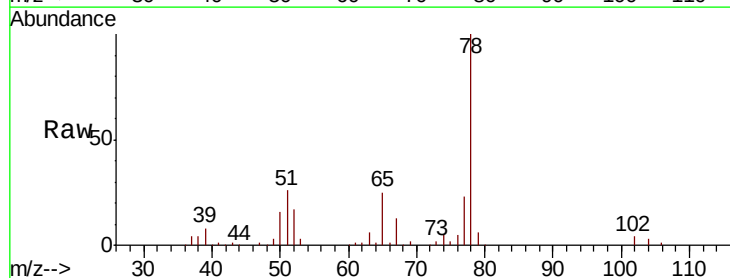


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

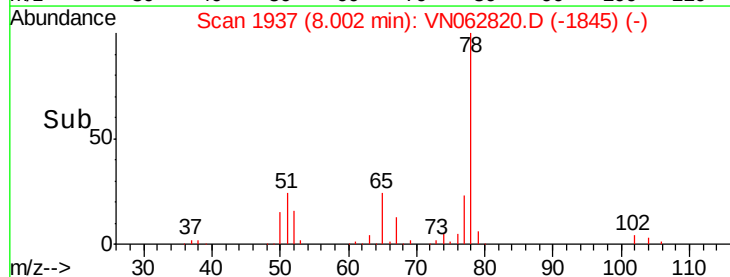
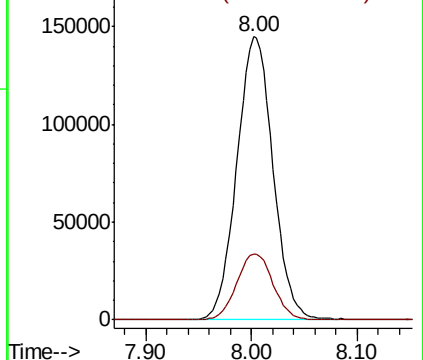


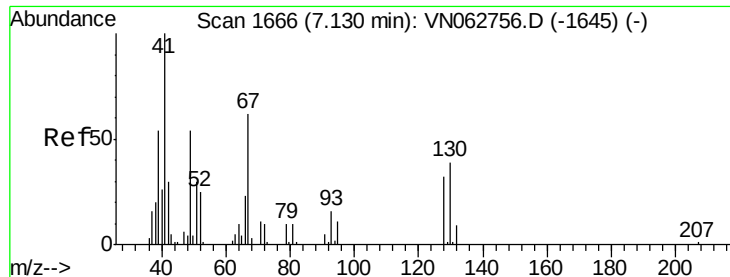
#40
Benzene
Concen: 45.371 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 78 Resp: 344287
Ion Ratio Lower Upper
78 100
77 23.3 18.1 27.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

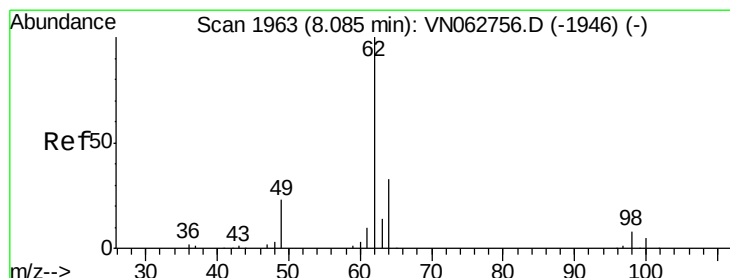
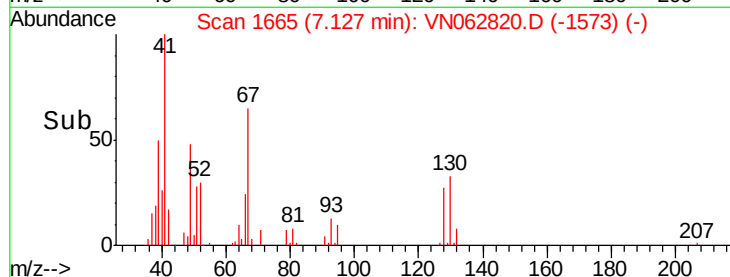
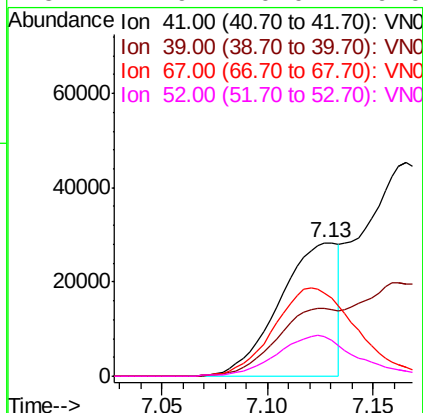
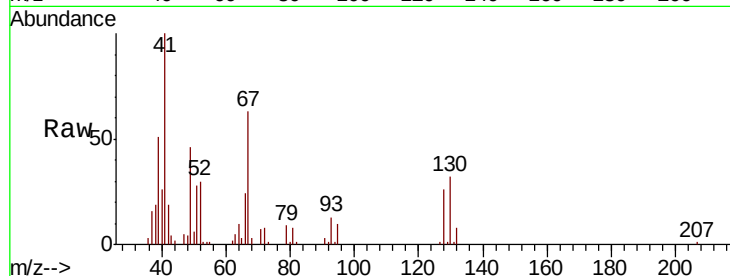




#41
Methacrylonitrile
Concen: 45.880 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

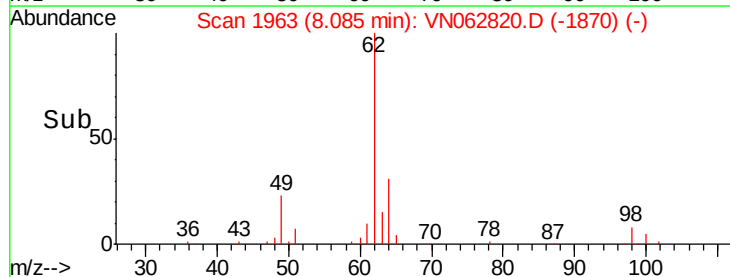
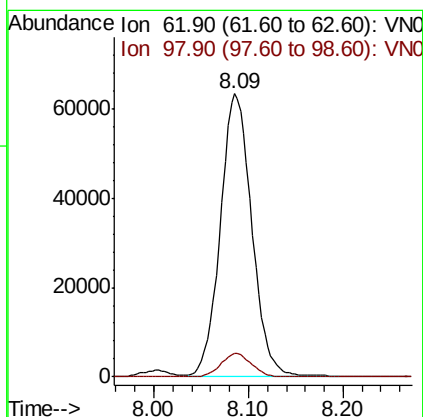
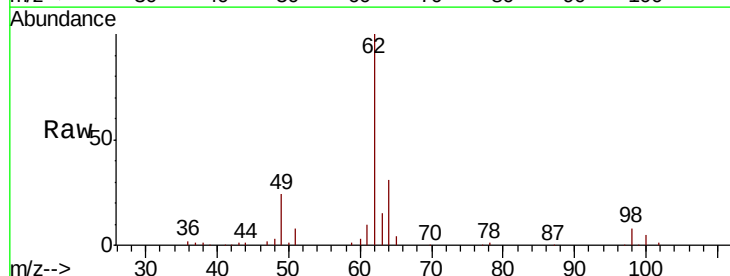
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

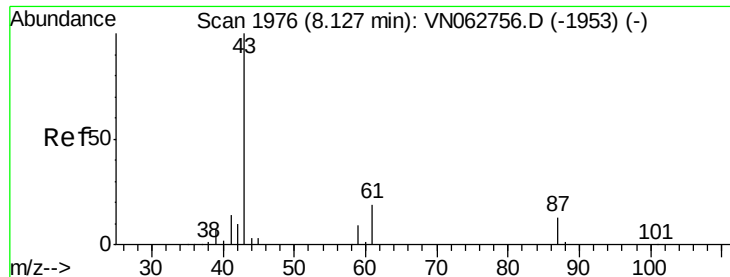
Tot Ion: 41 Resp: 54995
Ion Ratio Lower Upper
41 100
39 52.3 69.4 104.2#
67 93.4 0.0 0.0#
52 41.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 45.455 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 62 Resp: 146805
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 45.102 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

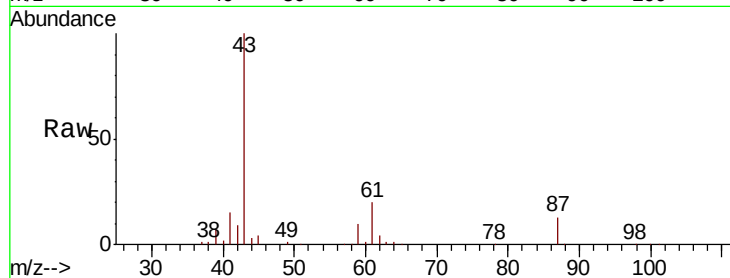
Tot Ion: 43 Resp: 199836

Ion Ratio Lower Upper

43 100

61 27.3 15.8 23.6#

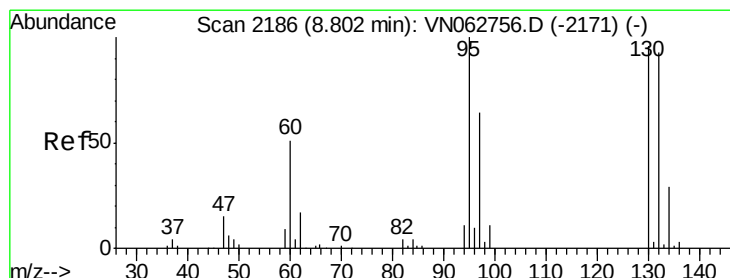
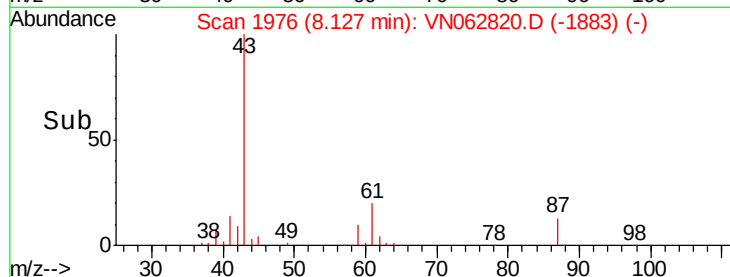
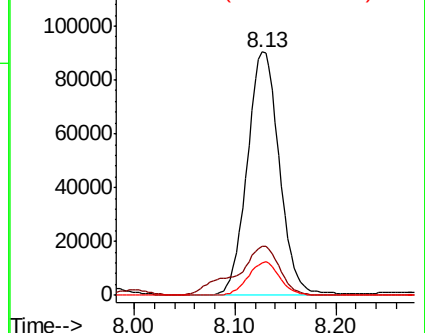
87 13.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062820.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062820.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062820.D (-1953) (-)



#44

Trichloroethene

Concen: 45.715 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062820.D

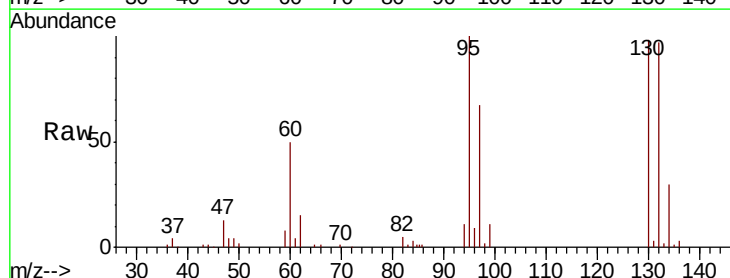
Acq: 10 Aug 2020 20:14

Tgt Ion:130 Resp: 84515

Ion Ratio Lower Upper

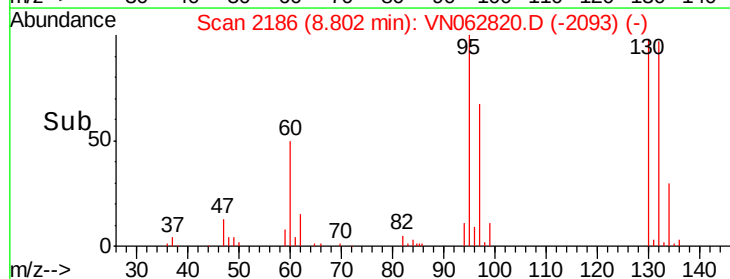
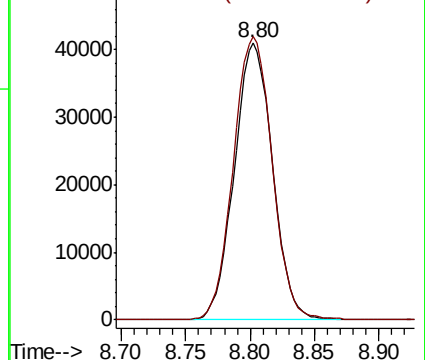
130 100

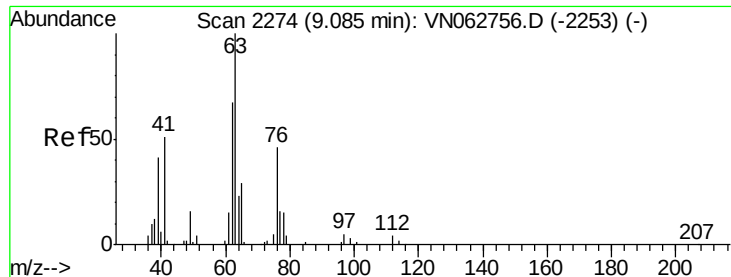
95 102.1 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062820.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062820.D (-2093) (-)

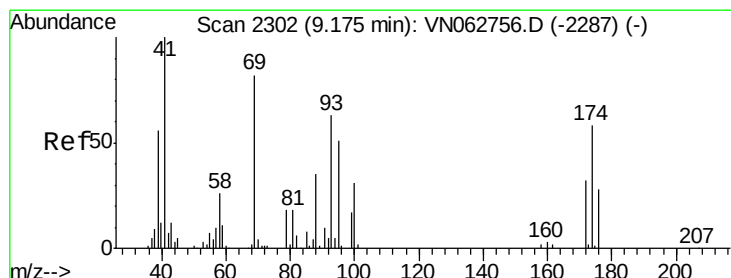
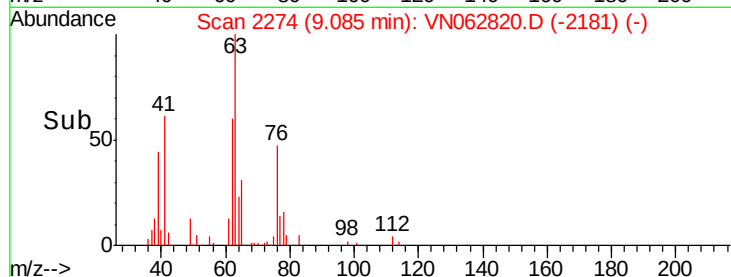
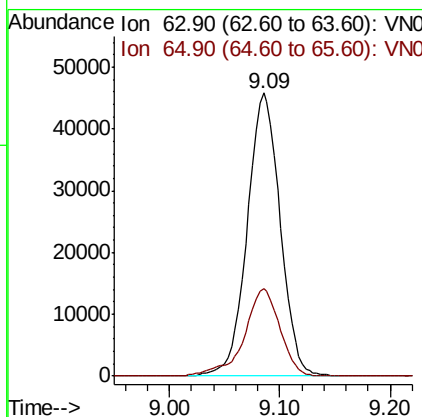
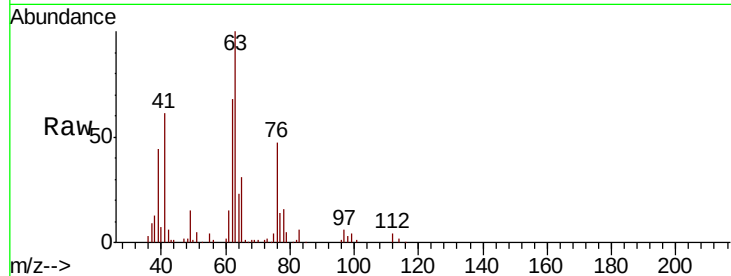




#45
 1,2-Dichloropropane
 Concen: 46.085 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

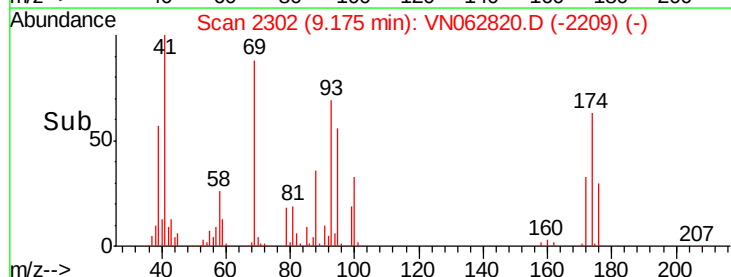
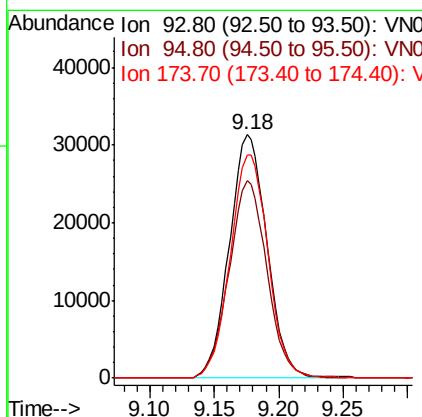
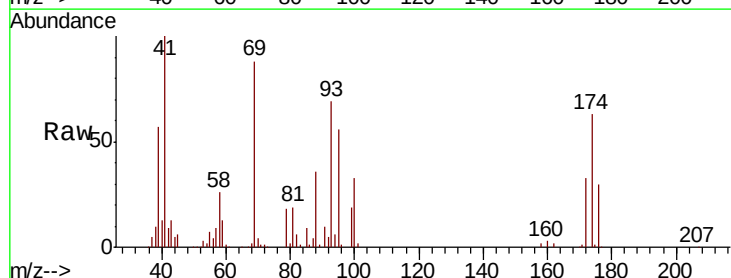
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

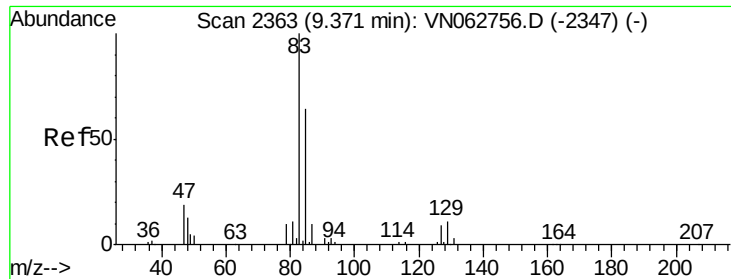
Tot Ion: 63 Resp: 94647
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.5 35.3



#46
 Dibromomethane
 Concen: 47.260 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 93 Resp: 63595
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.1 97.7
 174 92.1 73.9 110.9





#47

Bromodichloromethane

Concen: 47.560 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

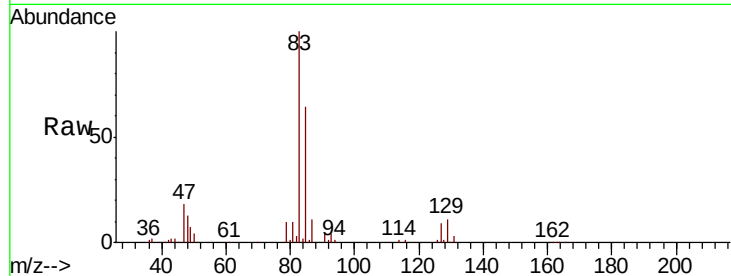
Tot Ion: 83 Resp: 143740

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.0

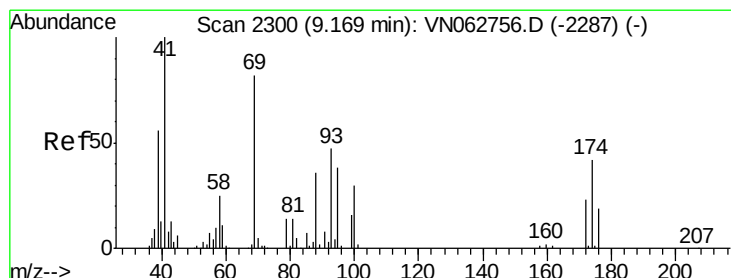
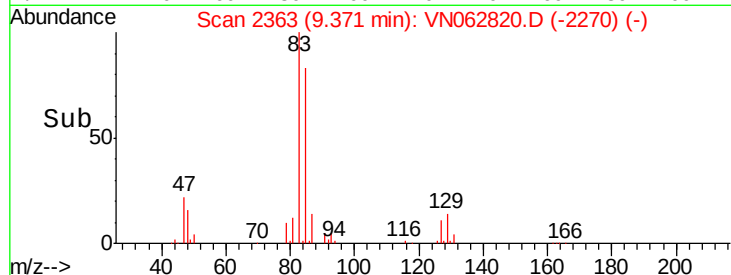
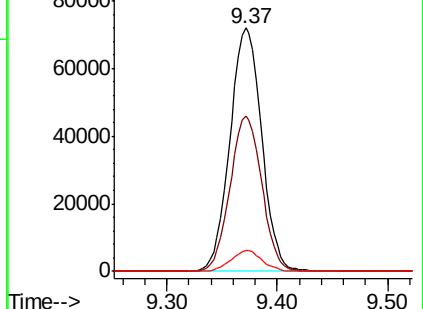
127 8.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062820.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062820.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062820.D (-2270) (-)



#48

Methyl methacrylate

Concen: 45.686 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

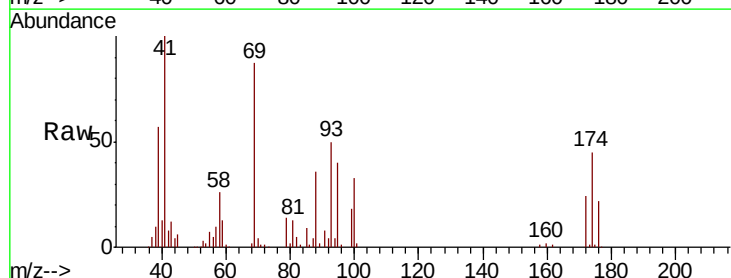
Tgt Ion: 41 Resp: 99564

Ion Ratio Lower Upper

41 100

69 89.5 67.4 101.2

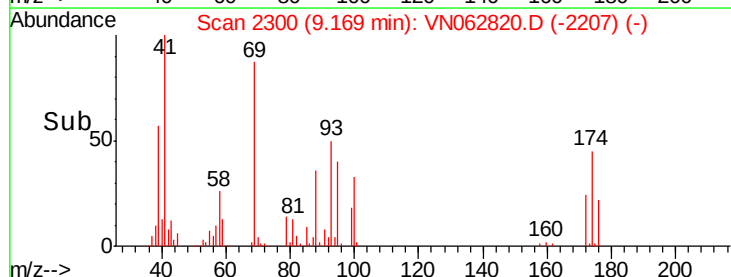
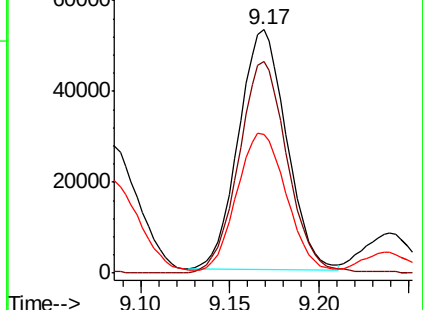
39 58.8 47.6 71.4

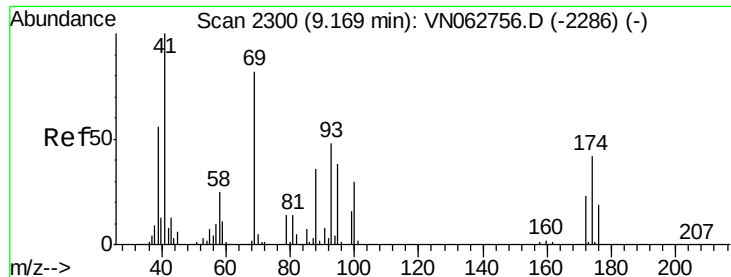


Abundance Ion 41.00 (40.70 to 41.70): VN062820.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062820.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062820.D (-2207) (-)





#49

1,4-Dioxane

Concen: 978.368 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

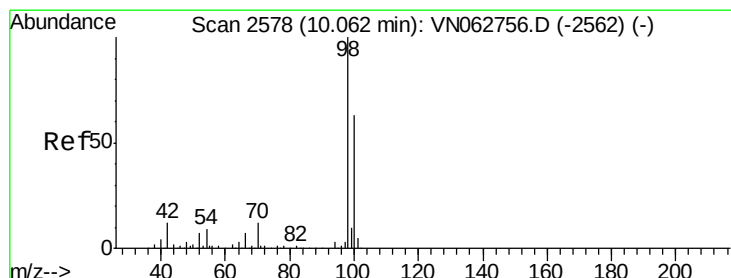
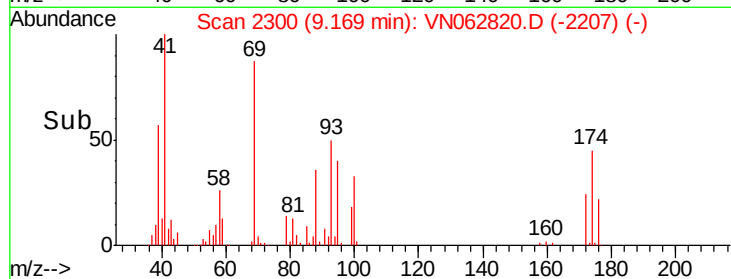
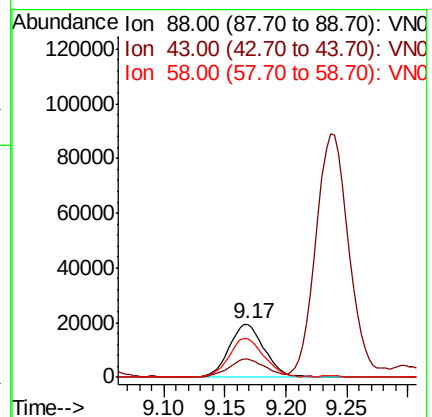
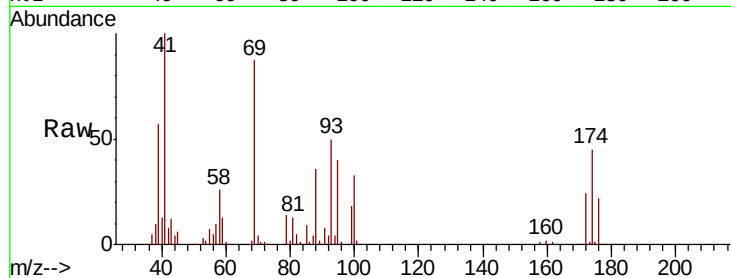
Tot Ion: 88 Resp: 39508

Ion Ratio Lower Upper

88 100

43 33.8 29.5 44.3

58 72.1 59.8 89.8



#50

Toluene-d8

Concen: 48.256 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062820.D

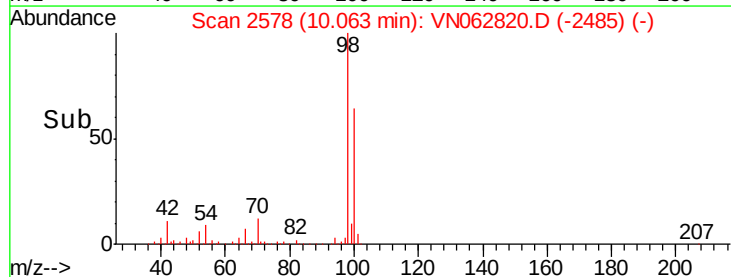
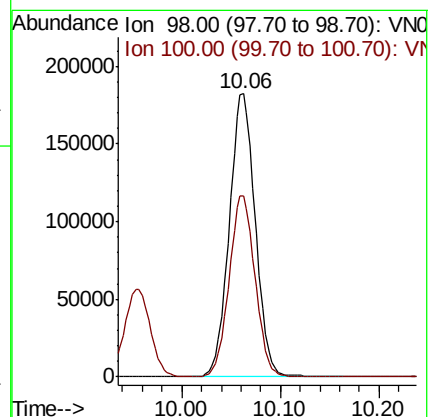
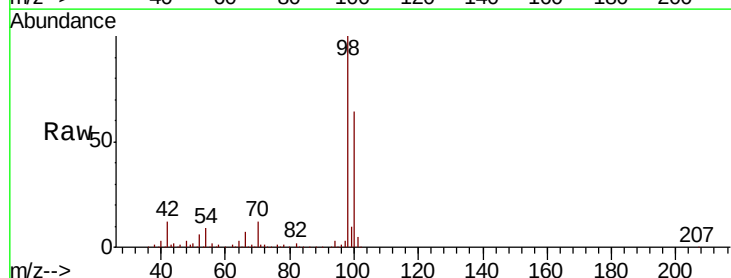
Acq: 10 Aug 2020 20:14

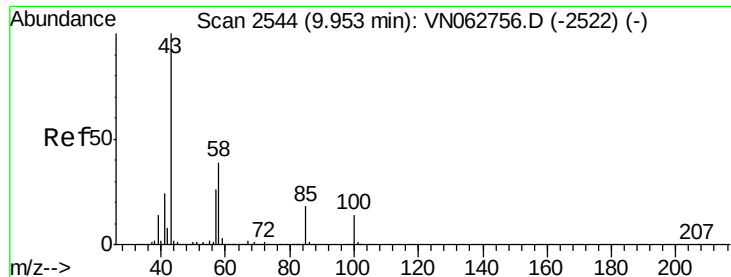
Tgt Ion: 98 Resp: 336563

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3

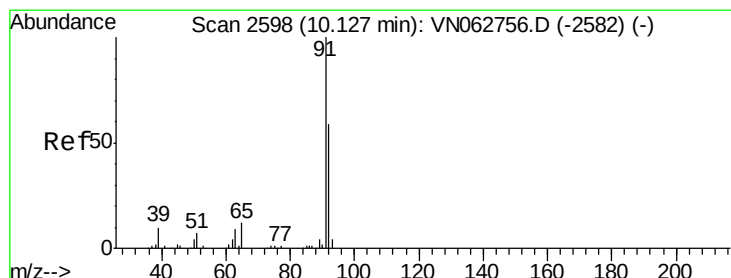
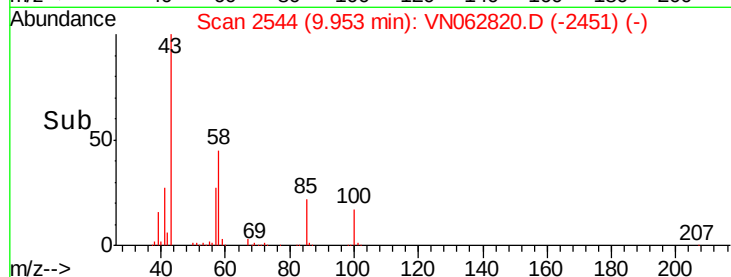
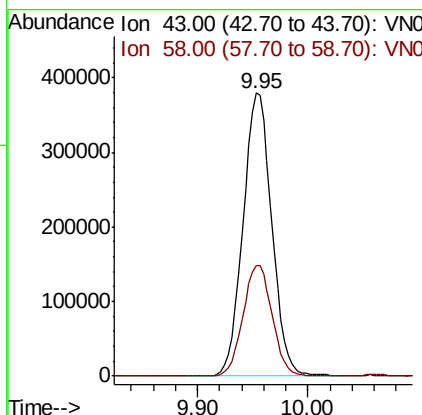
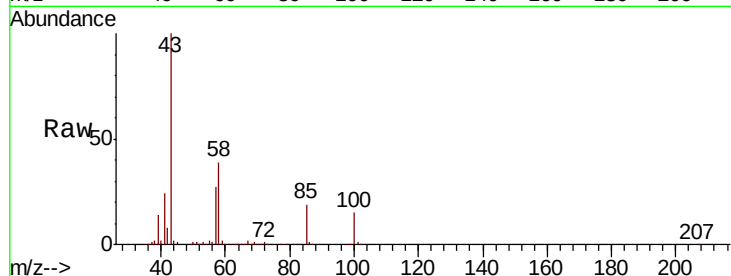




#51
 4-Methyl-2-Pentanone
 Concen: 237.924 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

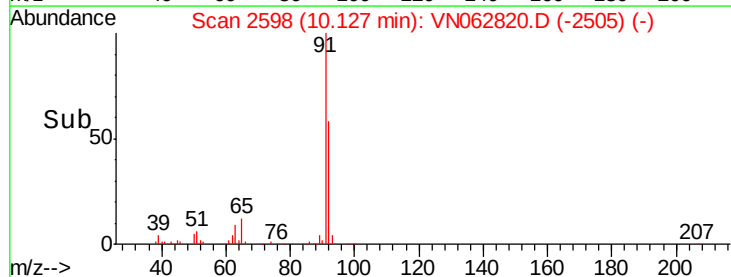
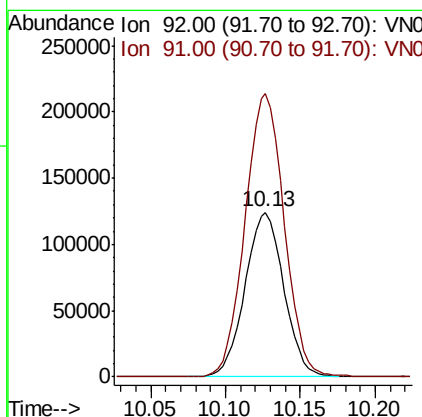
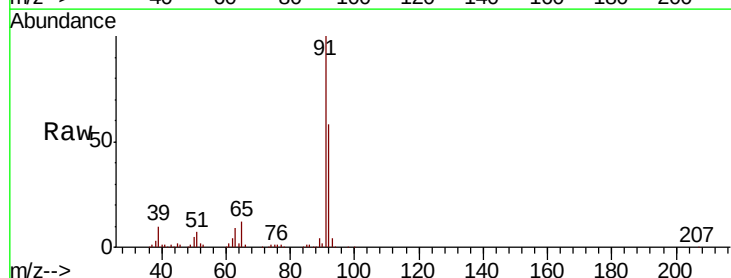
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

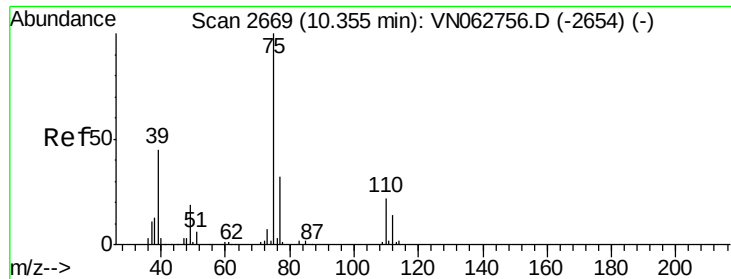
Tot Ion: 43 Resp: 682069
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.1 46.7



#52
 Toluene
 Concen: 47.771 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 92 Resp: 223813
 Ion Ratio Lower Upper
 92 100
 91 174.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 46.190 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

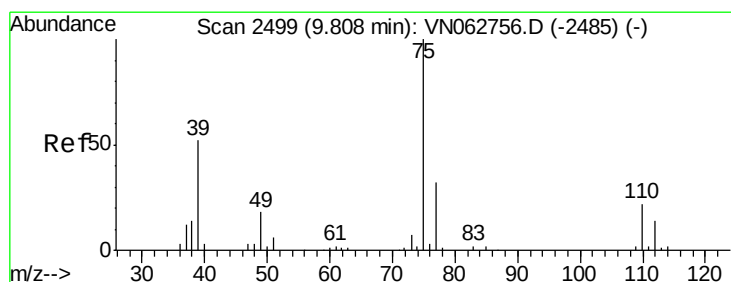
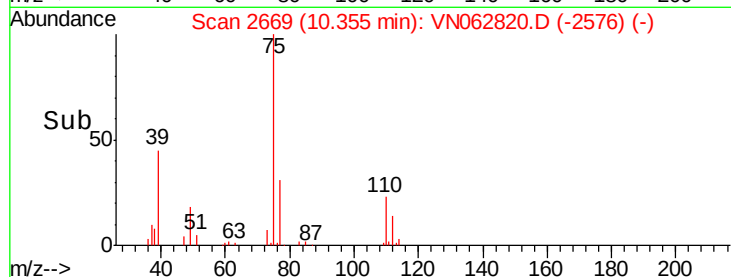
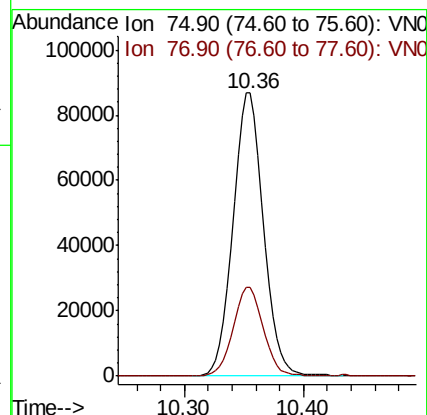
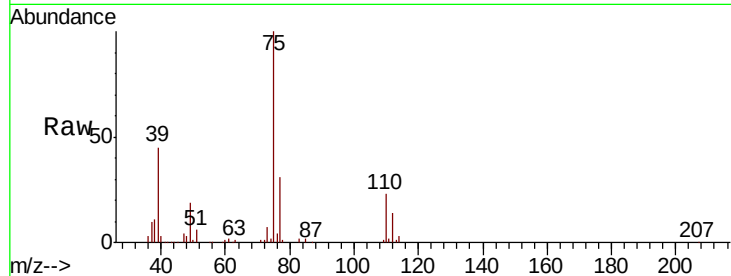
VSTDCCC050EC

Tot Ion: 75 Resp: 153554

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.356 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

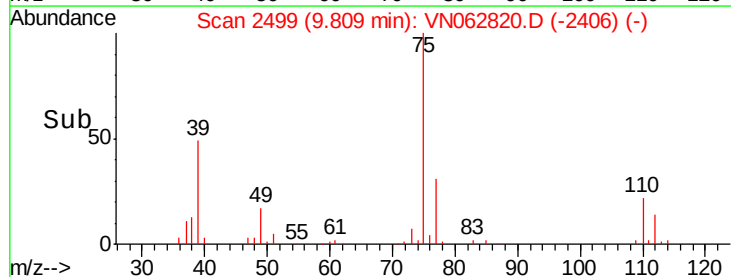
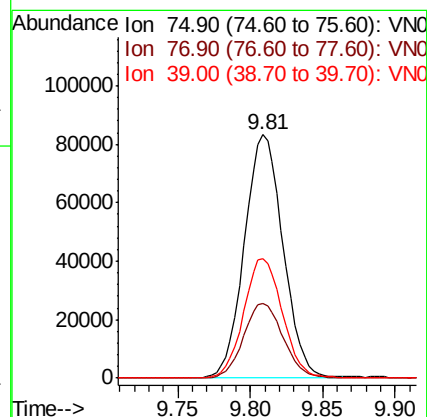
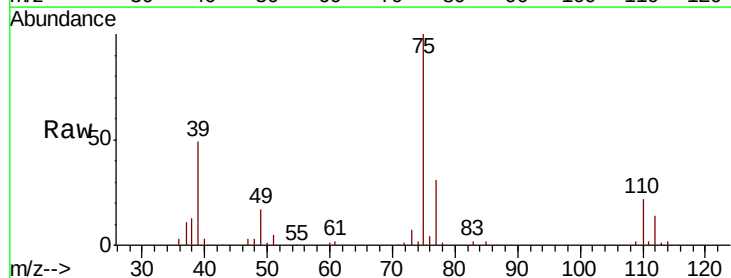
Tgt Ion: 75 Resp: 154726

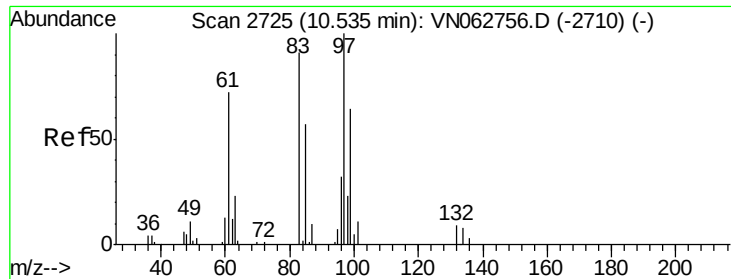
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 49.2 41.9 62.9

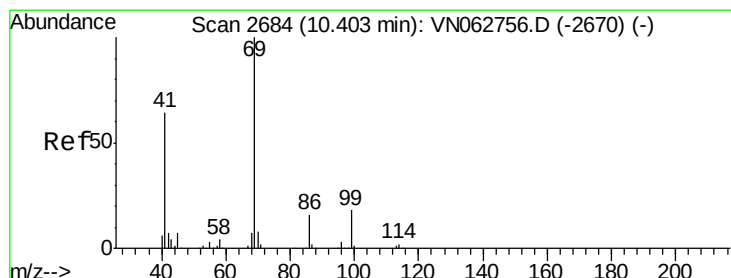
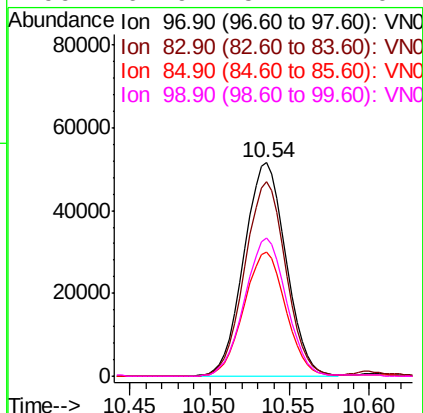
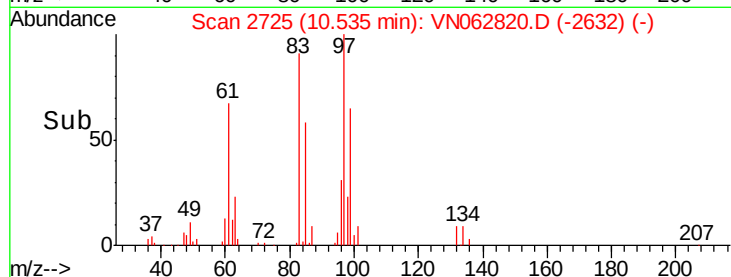
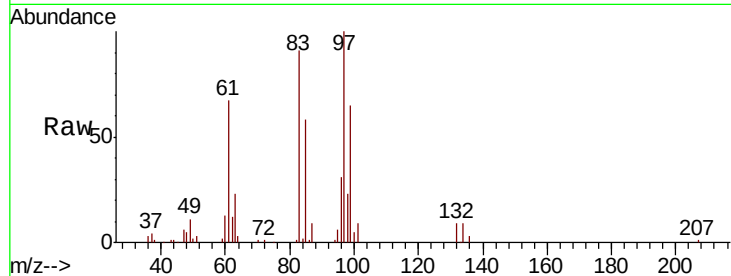




#55
 1,1,2-Trichloroethane
 Concen: 46.433 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

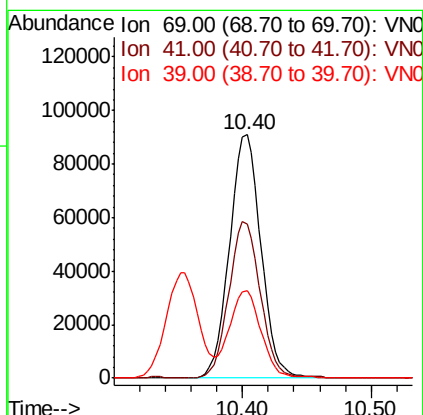
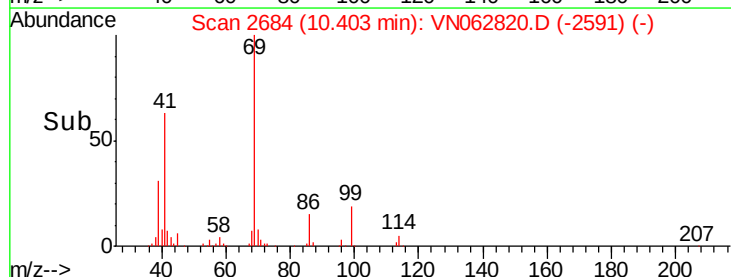
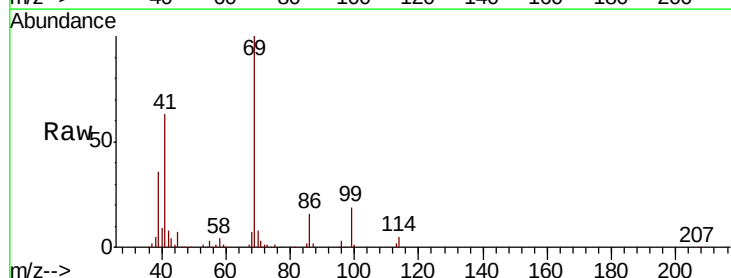
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

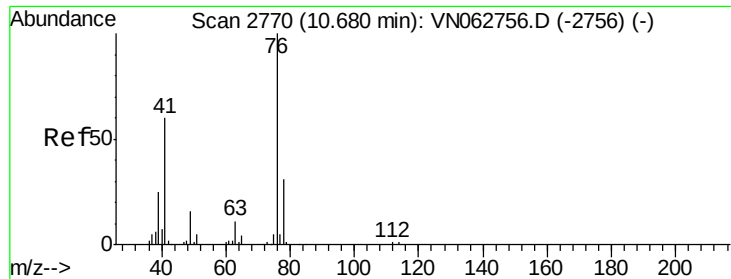
Tot Ion:	97	Resp:	92913
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.6	108.8
85	58.1	46.0	69.0
99	64.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 51.161 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion:	69	Resp:	154091
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.2	78.2
39	36.5	30.9	46.3





#57

1,3-Dichloropropane

Concen: 47.587 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

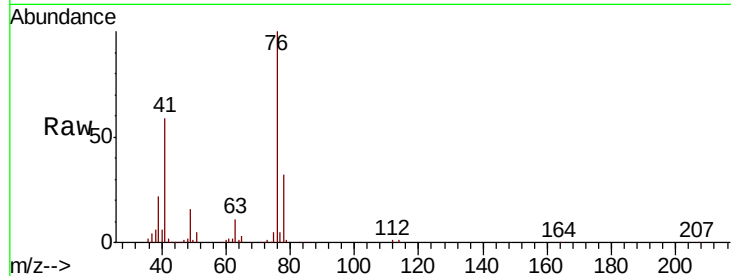
VSTDCCC050EC

Tot Ion: 76 Resp: 161792

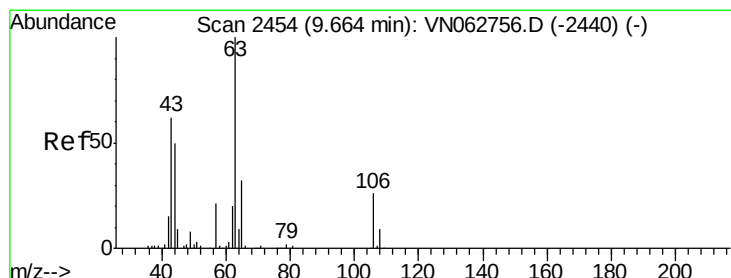
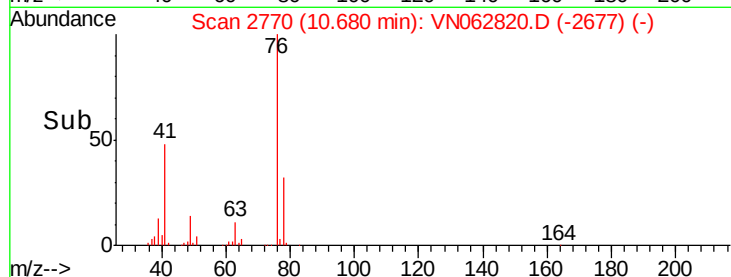
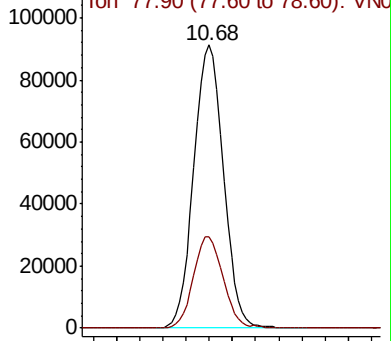
Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN062820.D (-2677) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 244.349 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062820.D

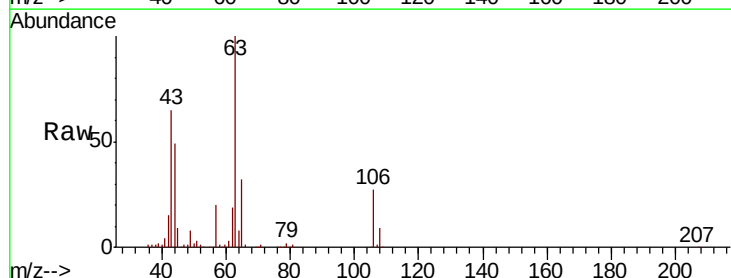
Acq: 10 Aug 2020 20:14

Tgt Ion: 63 Resp: 208027

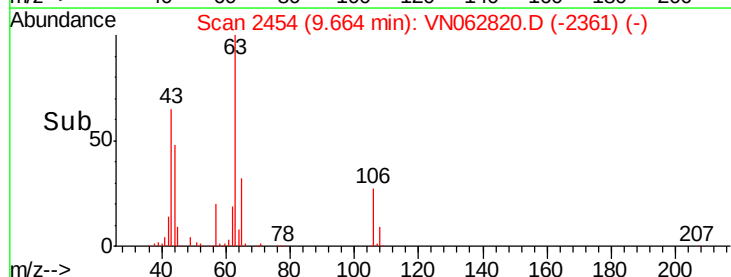
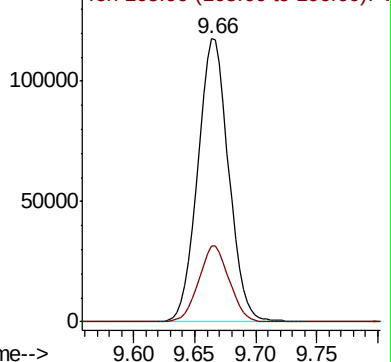
Ion Ratio Lower Upper

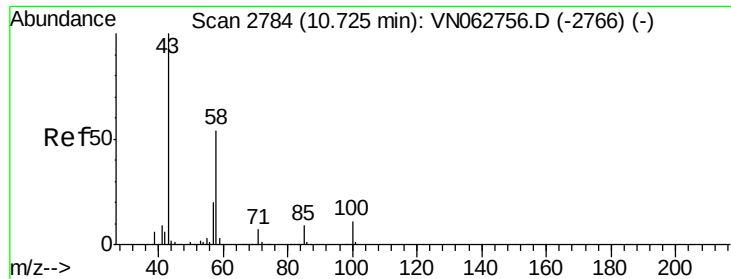
63 100

106 26.5 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN062820.D (-2361) (-)

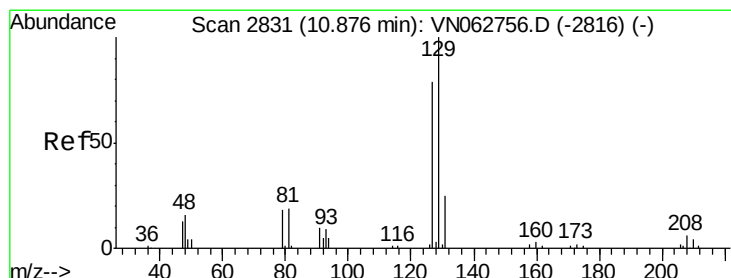
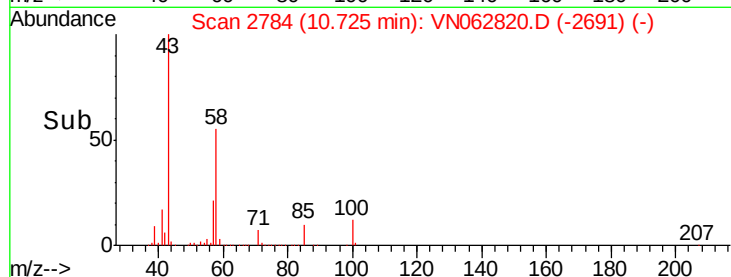
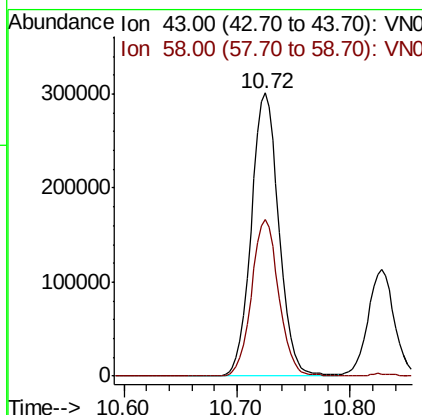
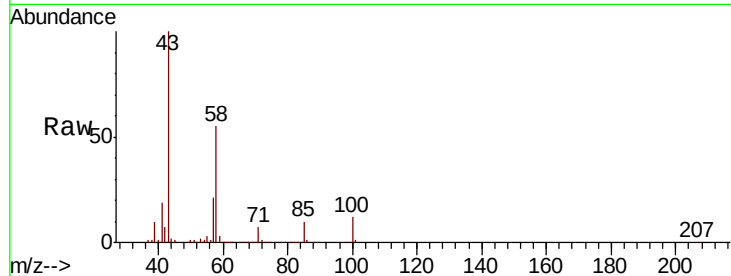




#59
2-Hexanone
Concen: 238.750 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

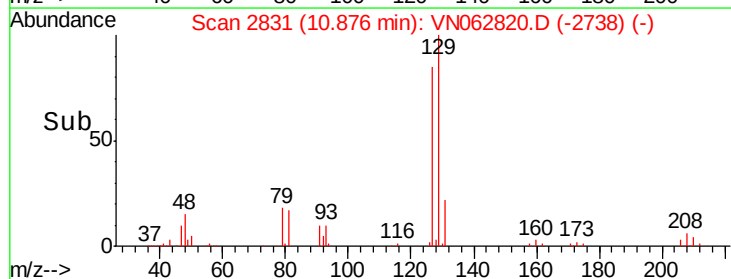
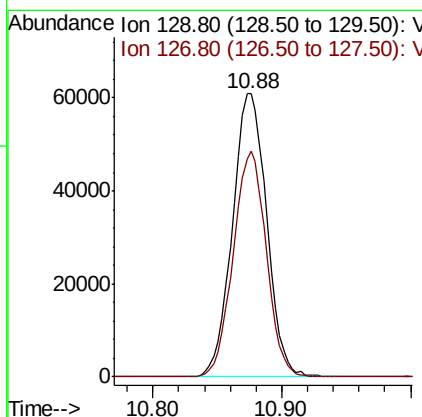
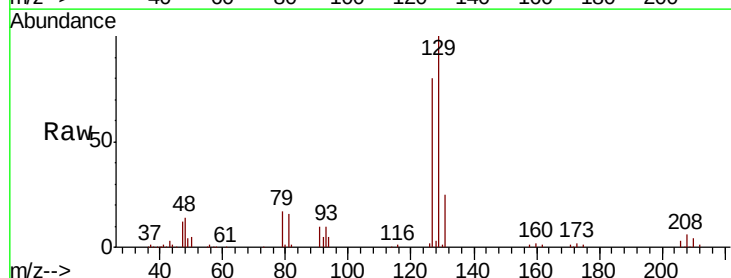
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

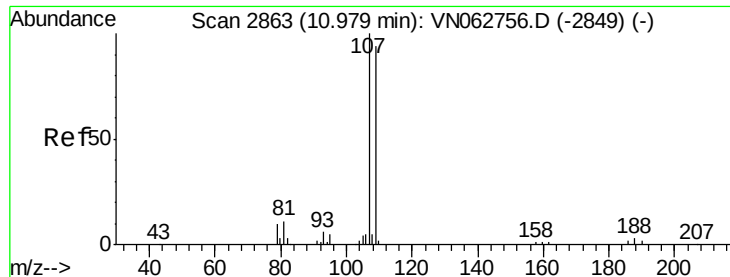
Tot Ion: 43 Resp: 510549
Ion Ratio Lower Upper
43 100
58 54.5 26.7 80.1



#60
Dibromochloromethane
Concen: 49.068 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 129 Resp: 112047
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2

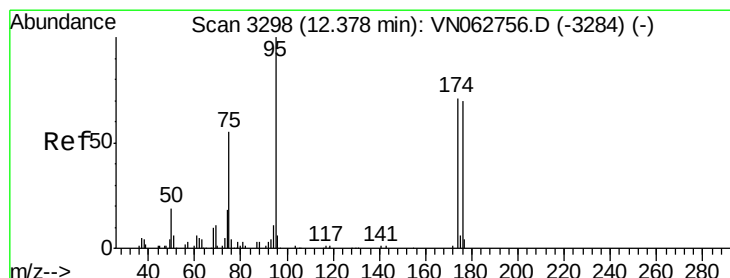
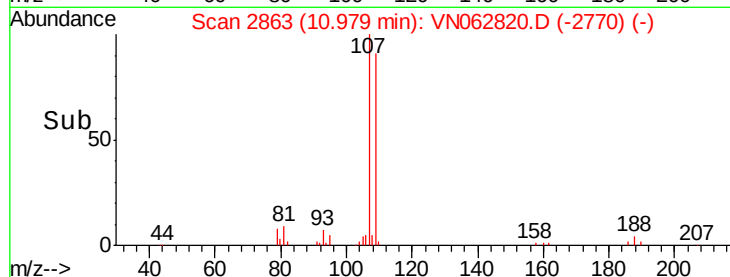
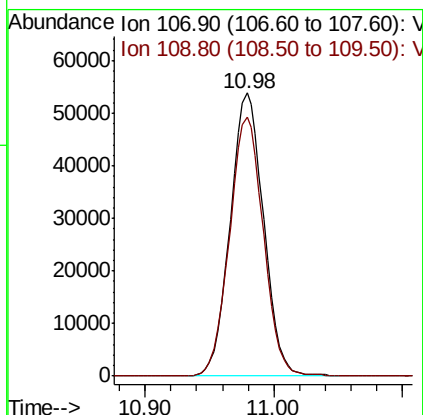
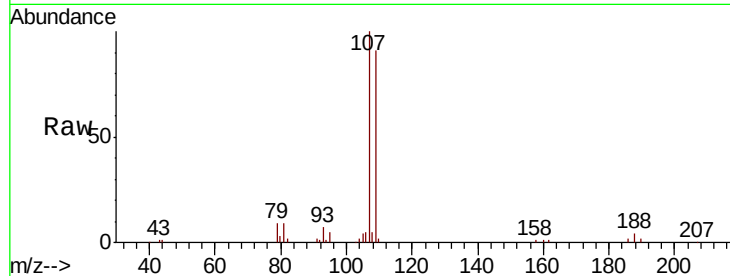




#61
 1,2-Dibromoethane
 Concen: 49.024 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

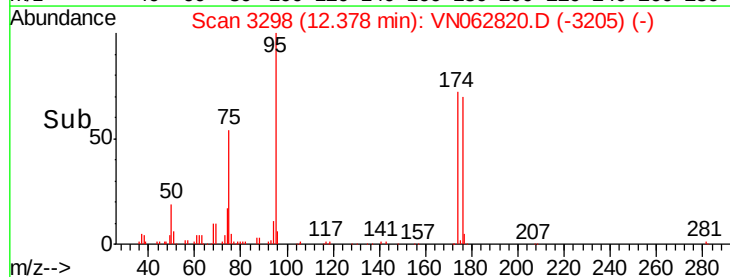
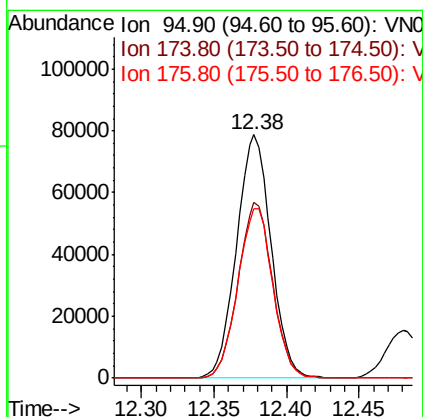
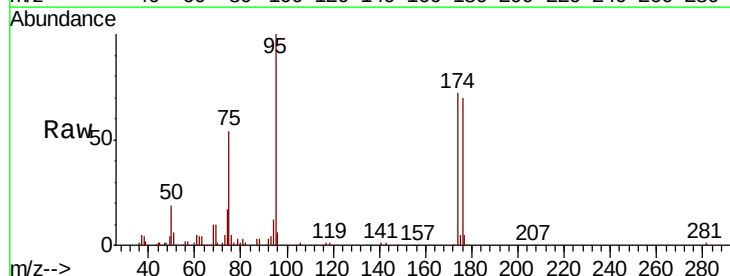
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

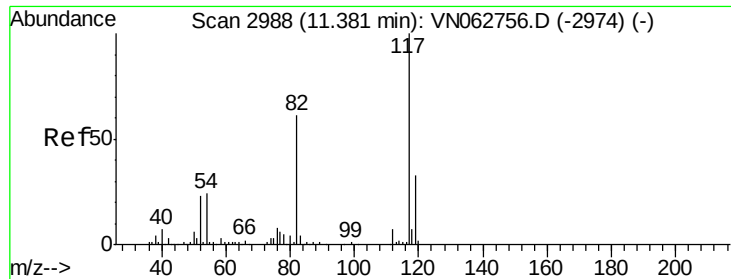
Tot Ion:107 Resp: 96797
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 49.390 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 95 Resp: 130178
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 144.8
 176 70.9 0.0 142.2

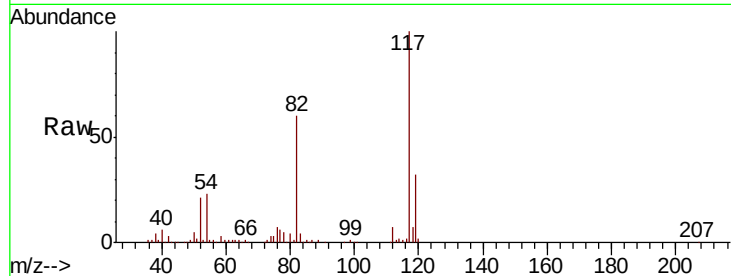




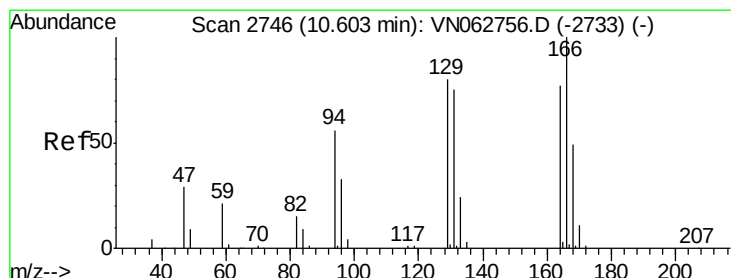
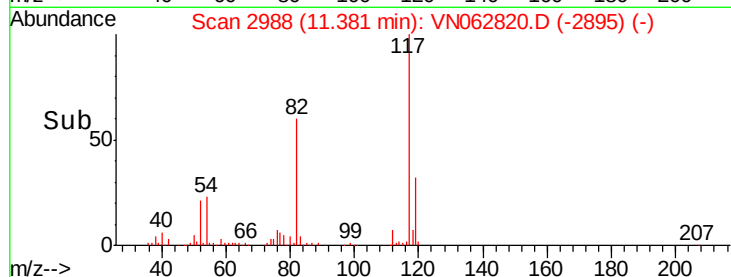
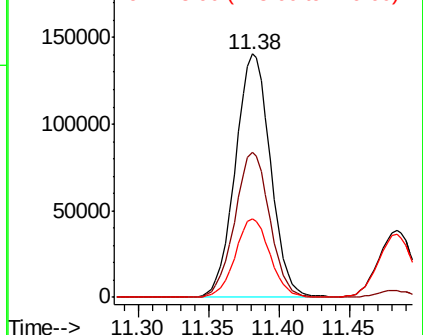
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 245168
Ion Ratio Lower Upper
117 100
82 59.8 49.0 73.4
119 32.3 26.2 39.2

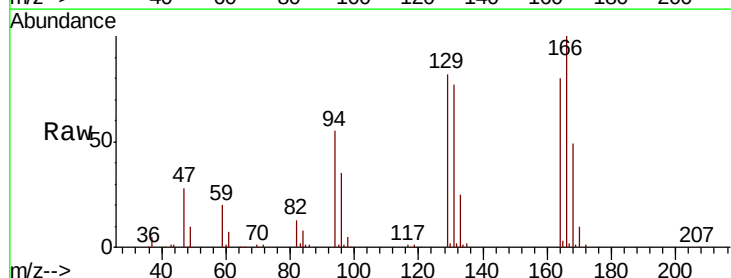


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

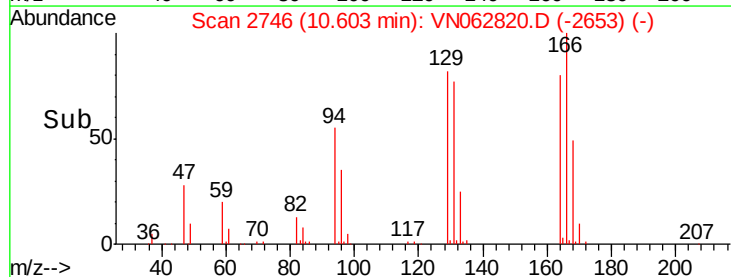
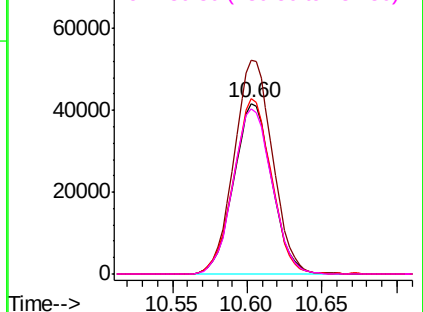


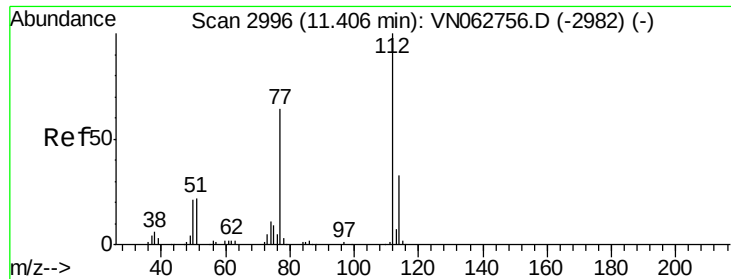
#64
Tetrachloroethene
Concen: 46.699 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion:164 Resp: 73871
Ion Ratio Lower Upper
164 100
166 125.0 103.8 155.8
129 102.8 82.7 124.1
131 96.5 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

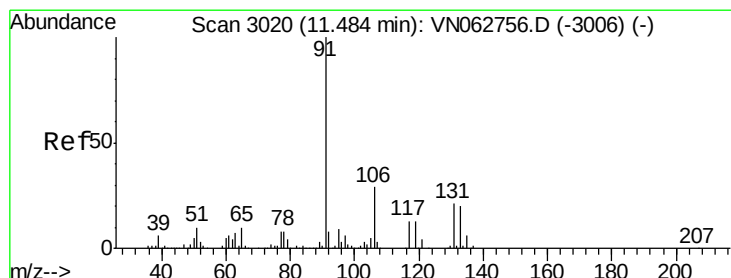
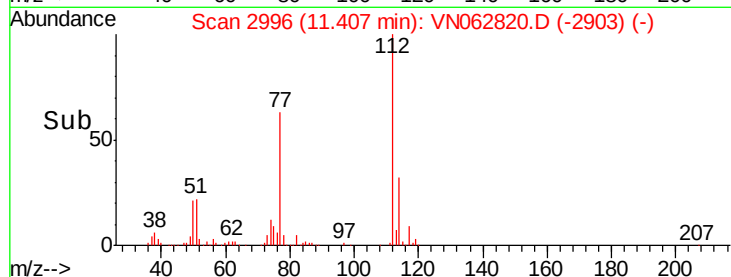
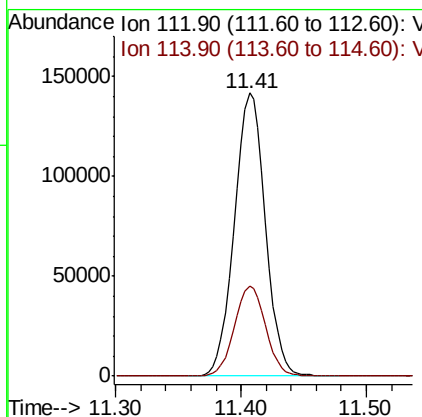
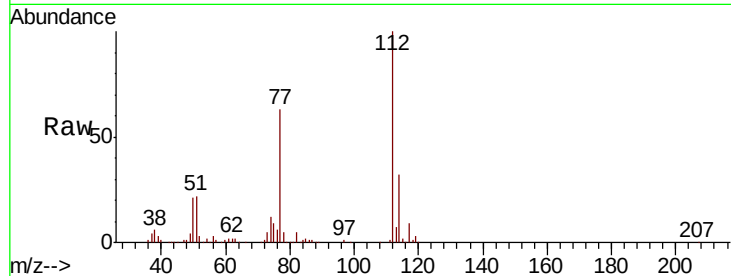




#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

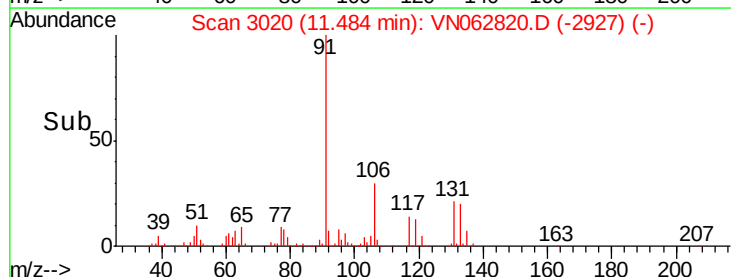
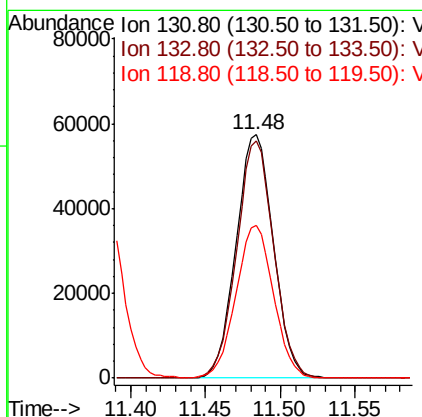
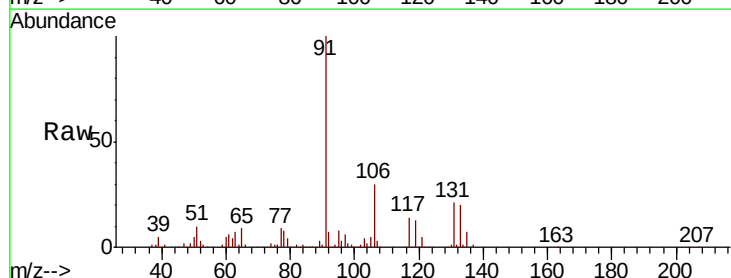
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

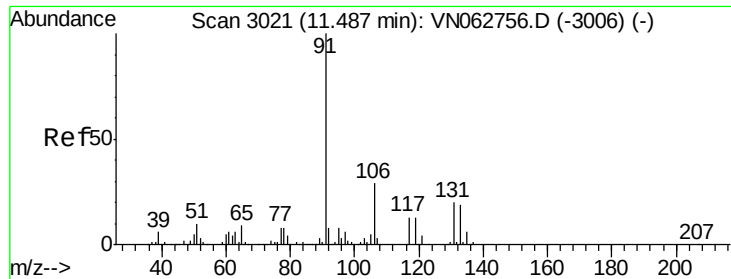
Tot Ion:112 Resp: 243304
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.439 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion:131 Resp: 99691
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.8
119 63.3 32.2 96.6

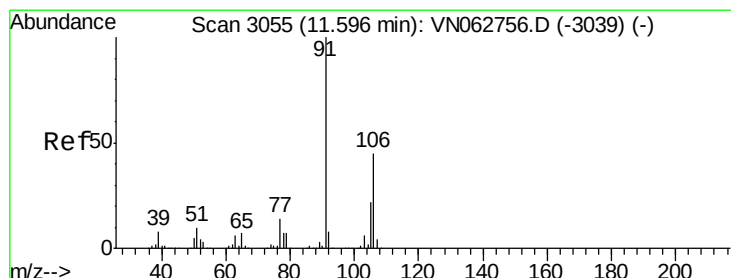
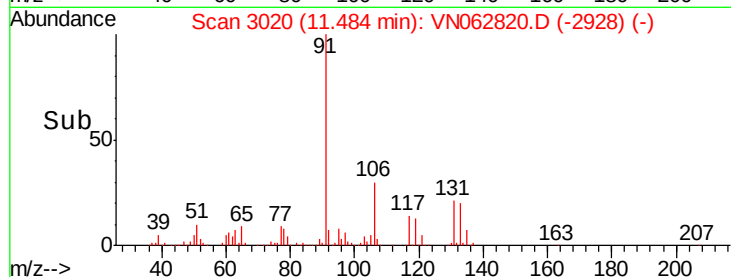
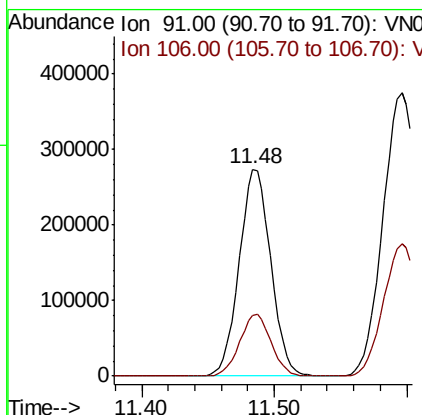
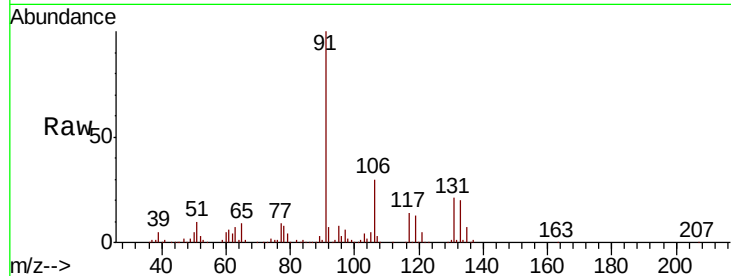




#67
Ethyl Benzene
Concen: 49.349 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

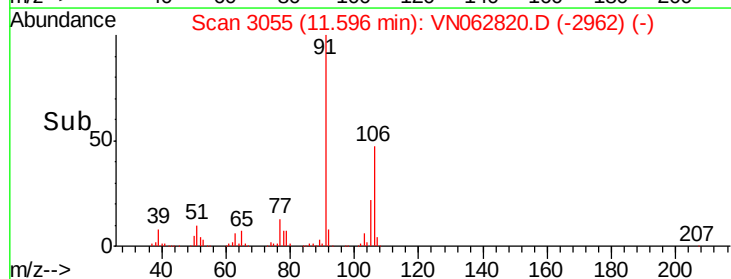
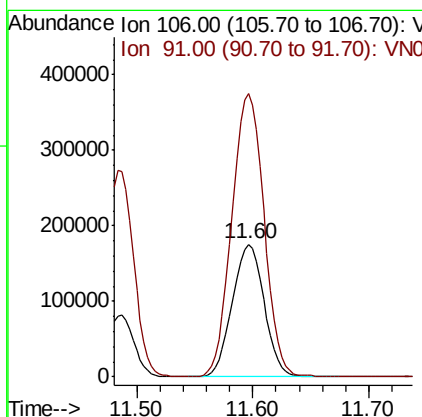
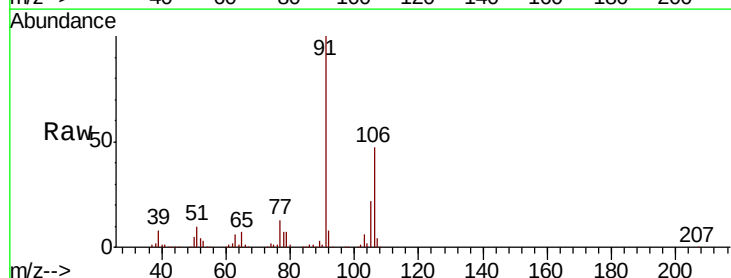
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

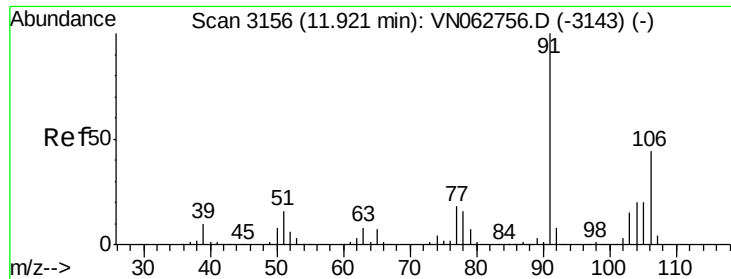
Tot Ion: 91 Resp: 452580
Ion Ratio Lower Upper
91 100
106 29.5 23.2 34.8



#68
m/p-Xylenes
Concen: 100.123 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 106 Resp: 333319
Ion Ratio Lower Upper
106 100
91 216.3 175.9 263.9

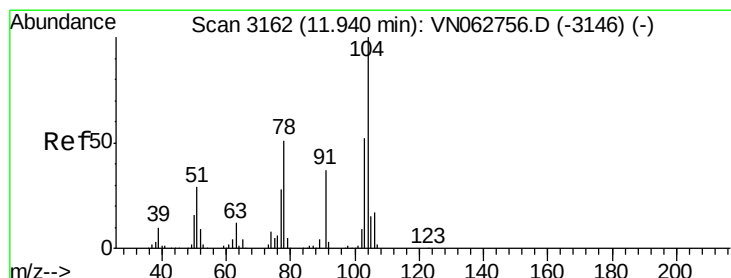
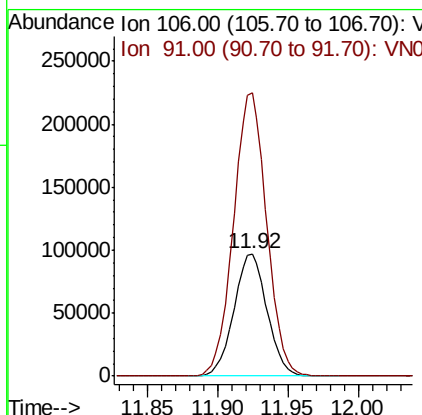
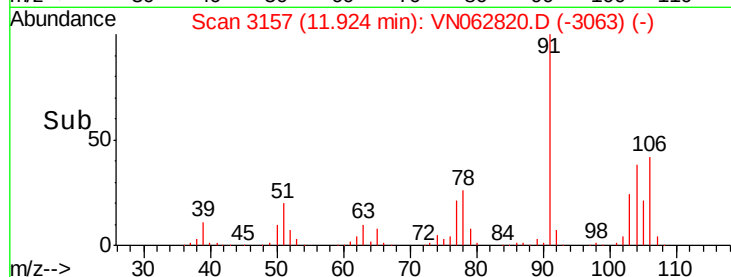
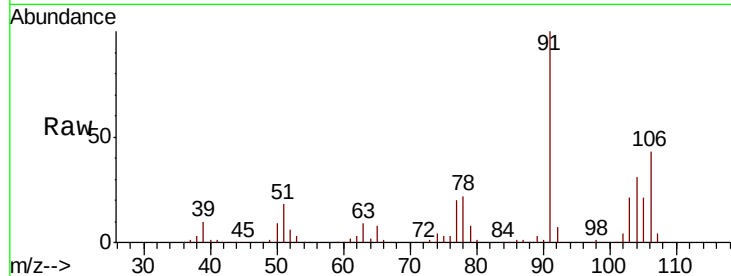




#69
o-Xylene
Concen: 51.338 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

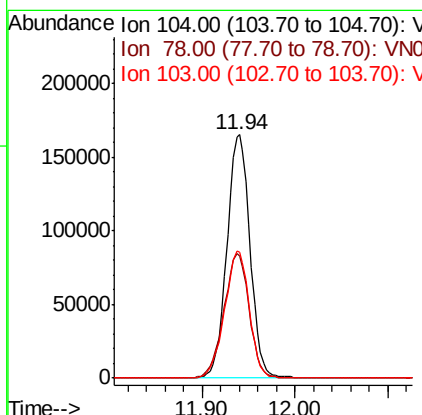
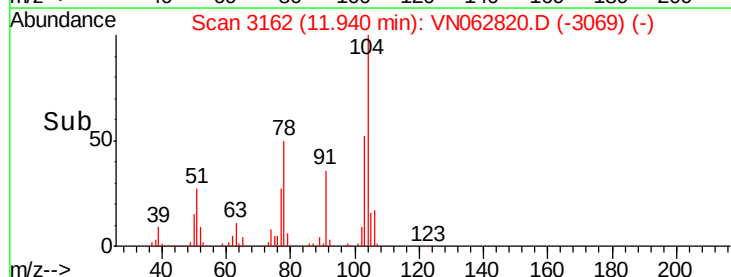
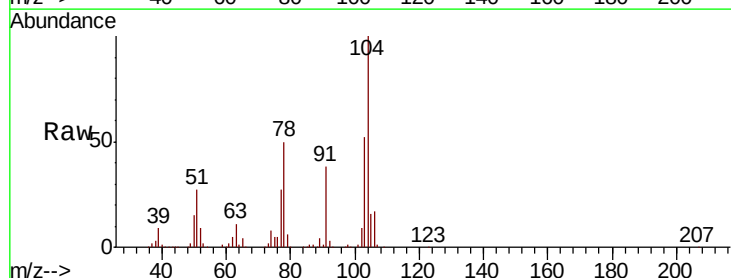
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

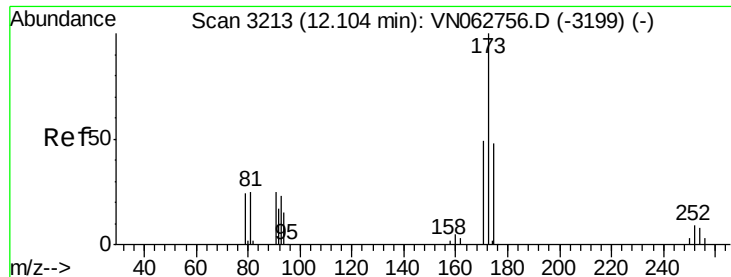
Tot Ion:106 Resp: 160166
Ion Ratio Lower Upper
106 100
91 231.3 115.8 347.4



#70
Styrene
Concen: 52.149 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion:104 Resp: 285977
Ion Ratio Lower Upper
104 100
78 55.8 45.9 68.9
103 55.5 45.1 67.7





#71

Bromoform

Concen: 47.345 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

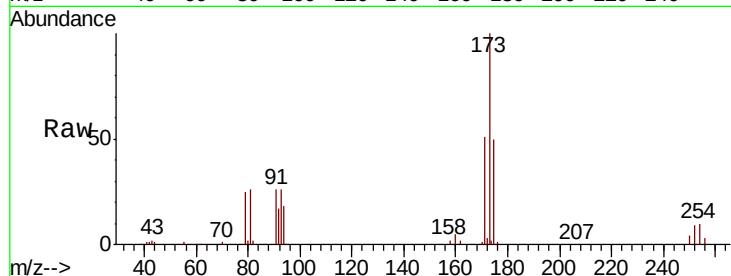
Tot Ion:173 Resp: 79723

Ion Ratio Lower Upper

173 100

175 48.9 24.0 72.0

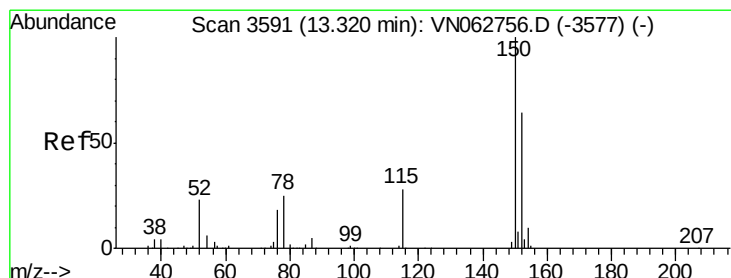
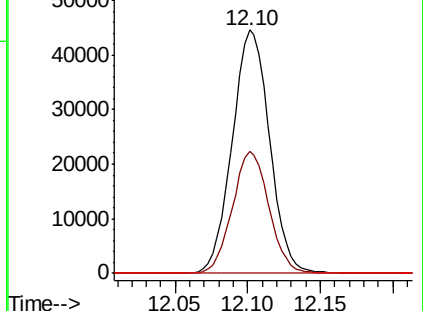
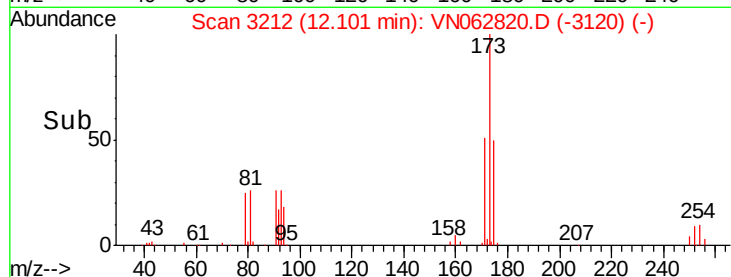
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

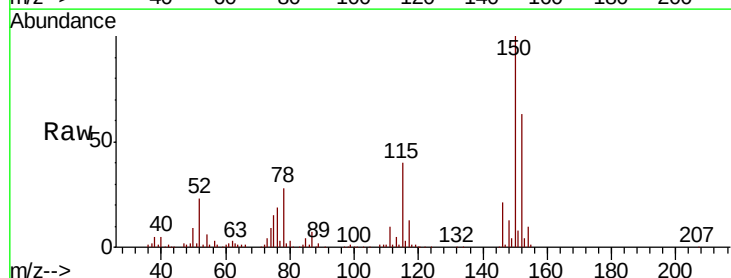
Tgt Ion:152 Resp: 117301

Ion Ratio Lower Upper

152 100

115 65.6 31.6 94.8

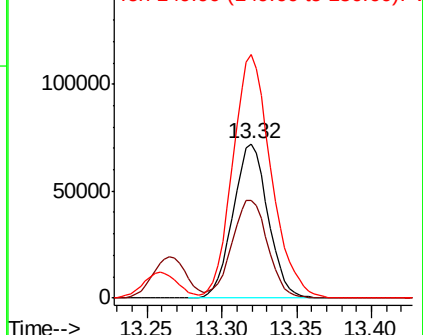
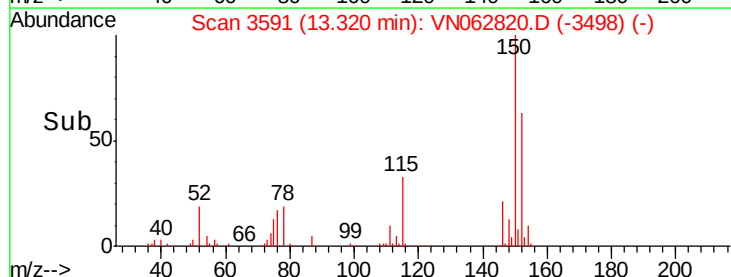
150 173.3 0.0 349.2

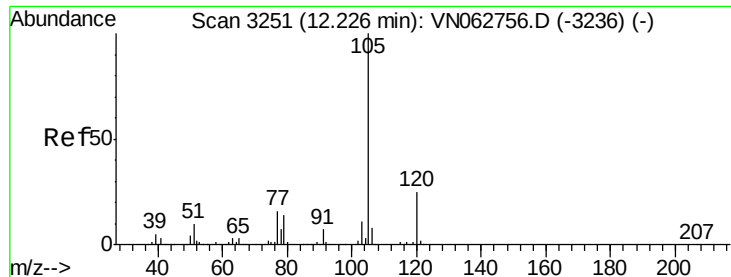


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.647 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

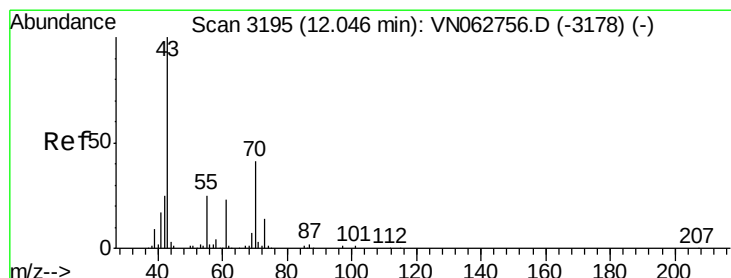
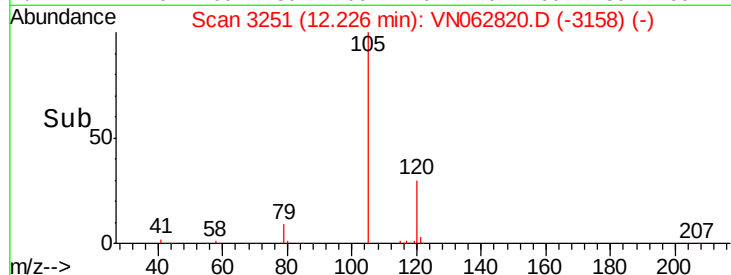
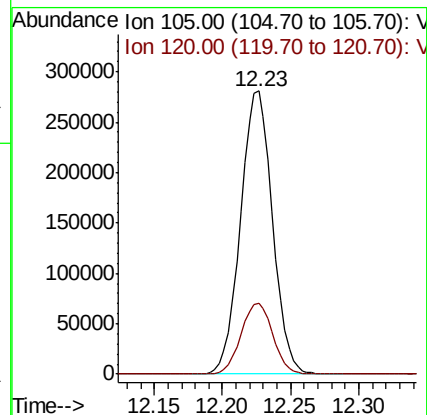
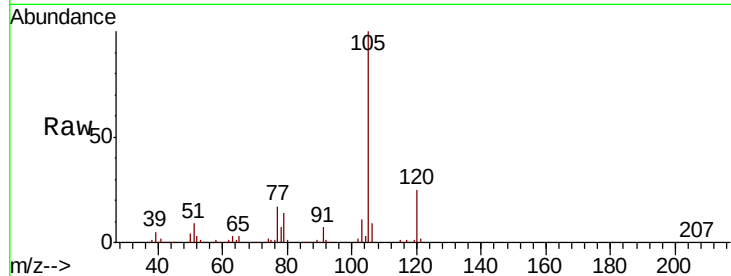
VSTDCCC050EC

Tot Ion:105 Resp: 456187

Ion Ratio Lower Upper

105 100

120 25.1 12.6 37.8



#74

N-ethyl acetate

Concen: 50.281 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Tgt Ion: 43 Resp: 179977

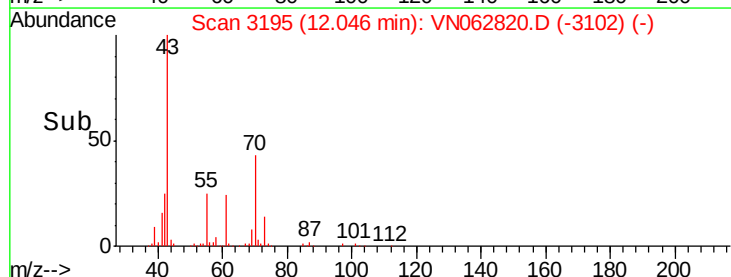
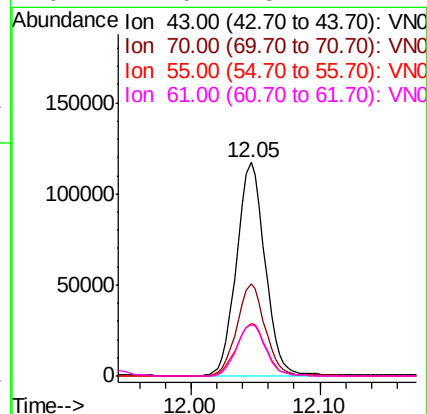
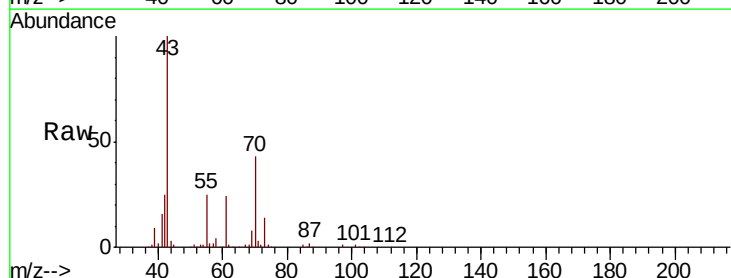
Ion Ratio Lower Upper

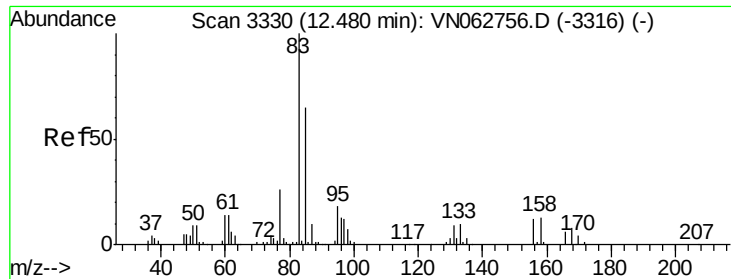
43 100

70 43.4 32.3 48.5

55 25.9 20.2 30.2

61 24.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.152 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

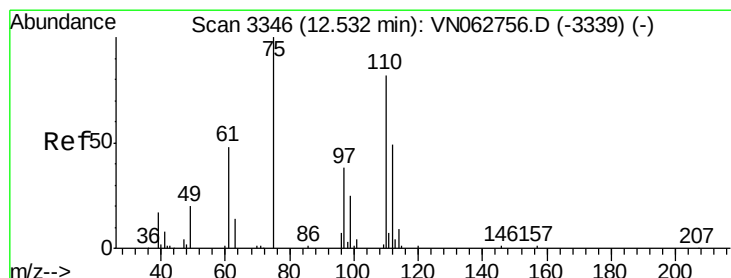
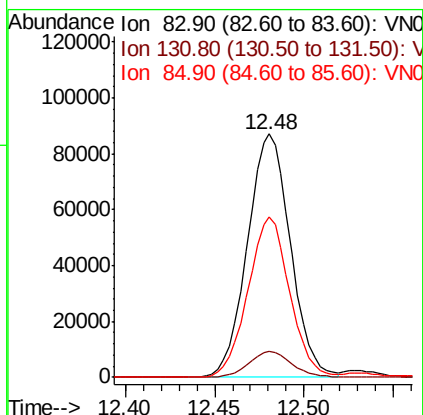
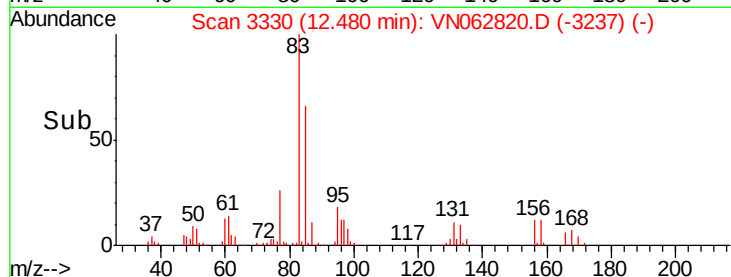
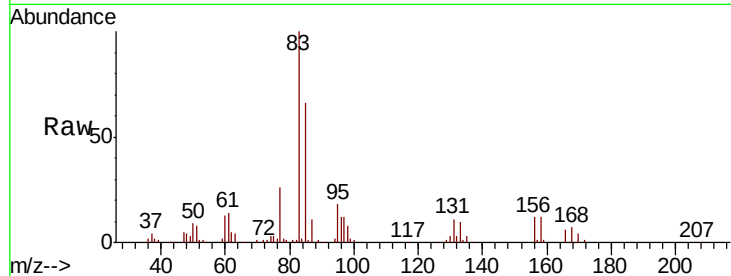
Tot Ion: 83 Resp: 146612

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

85 63.9 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 61.926 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062820.D

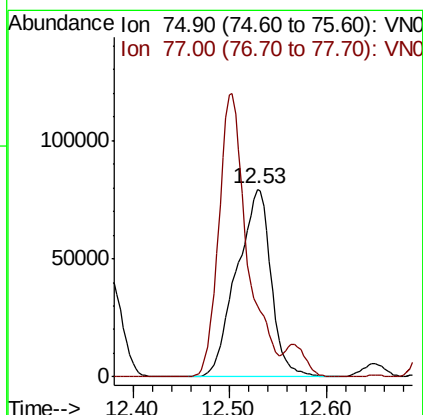
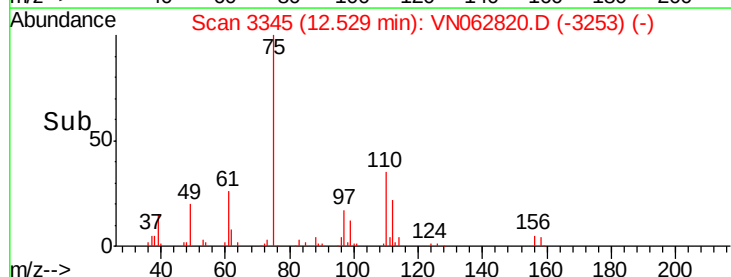
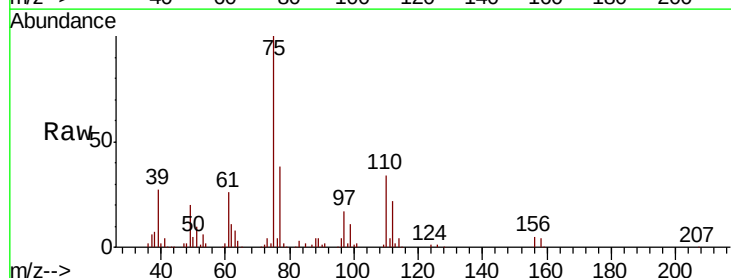
Acq: 10 Aug 2020 20:14

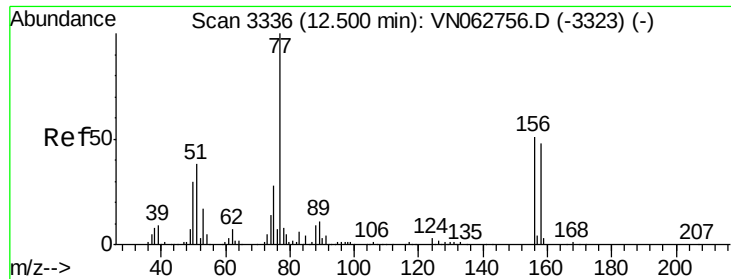
Tgt Ion: 75 Resp: 195901

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

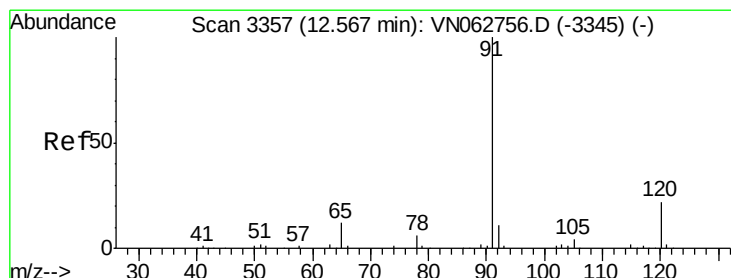
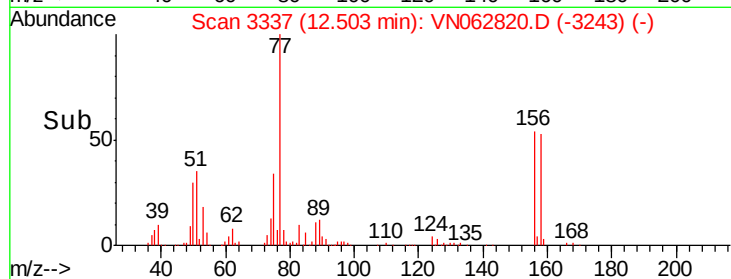
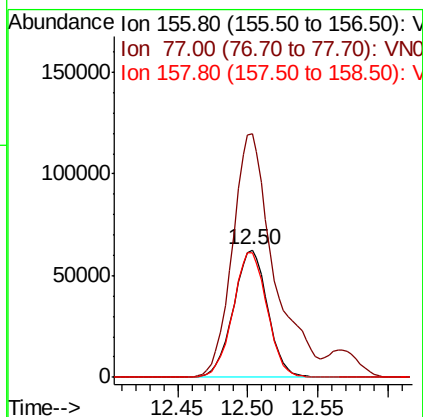
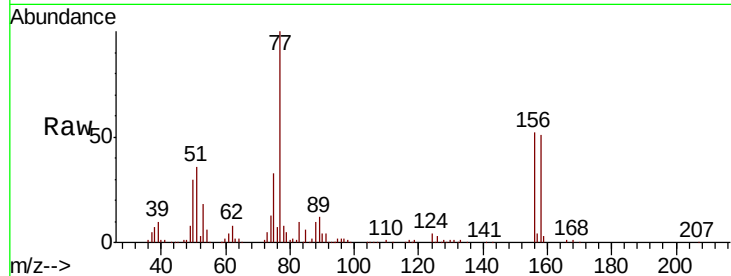




#77
Bromobenzene
Concen: 48.662 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

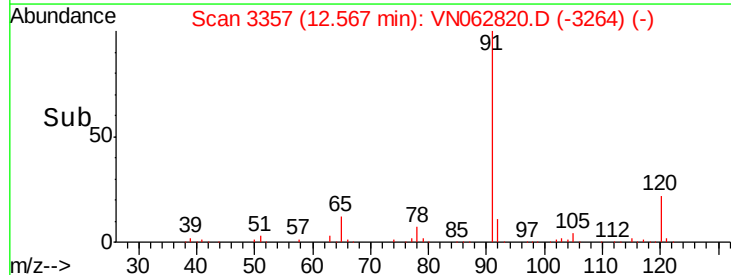
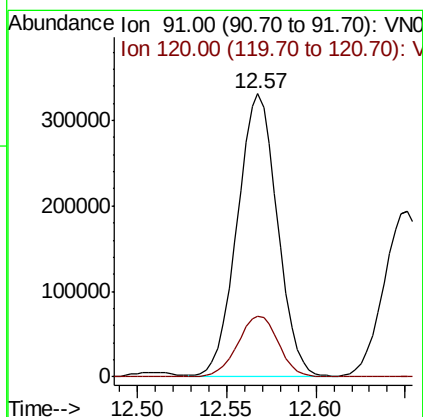
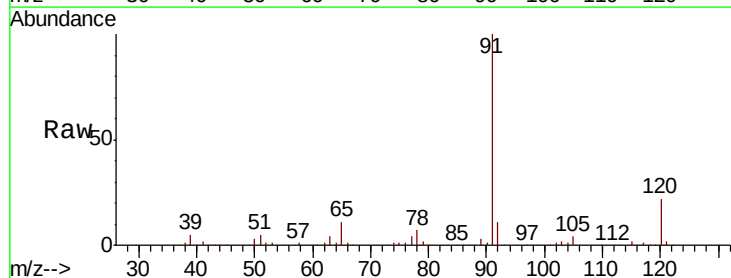
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

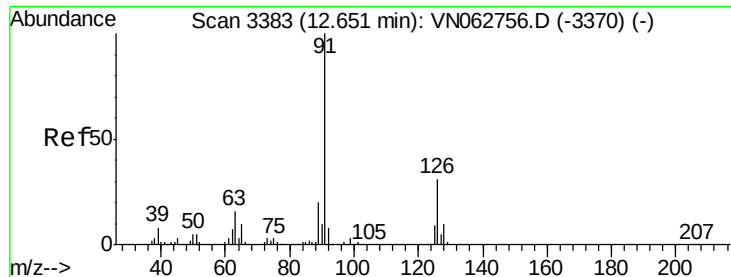
Tot Ion:156 Resp: 106796
Ion Ratio Lower Upper
156 100
77 229.8 119.7 359.1
158 97.1 48.1 144.3



#78
n-propylbenzene
Concen: 49.731 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 91 Resp: 515626
Ion Ratio Lower Upper
91 100
120 22.0 10.9 32.9





#79

2-Chlorotoluene

Concen: 49.058 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

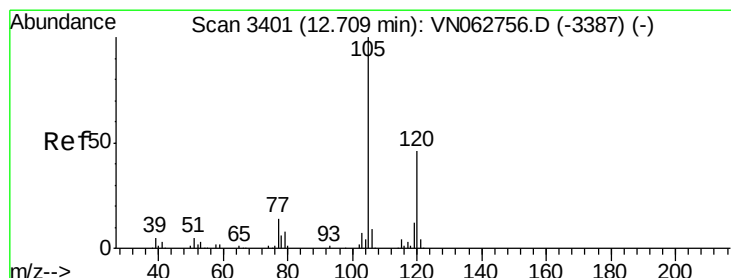
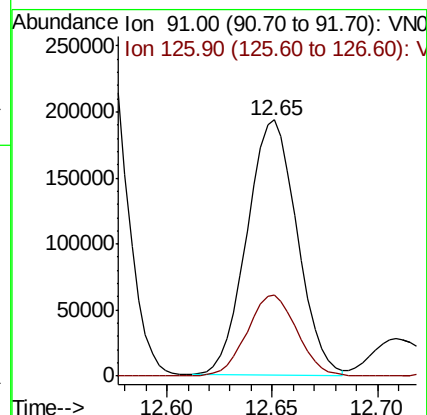
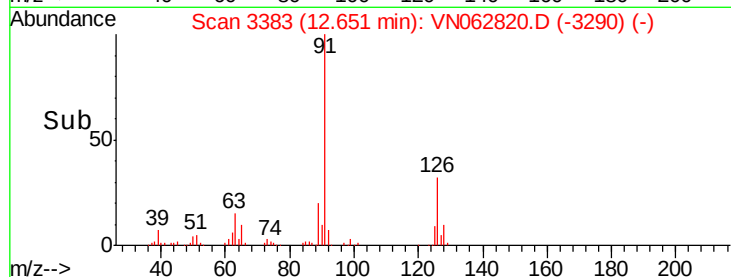
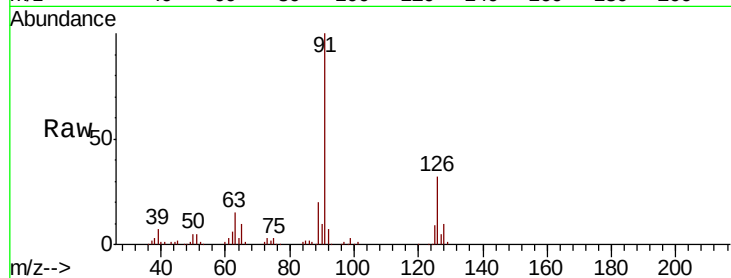
VSTDCCC050EC

Tot Ion: 91 Resp: 318972

Ion Ratio Lower Upper

91 100

126 31.8 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 51.952 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062820.D

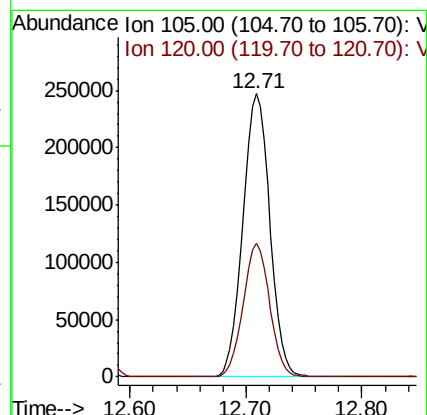
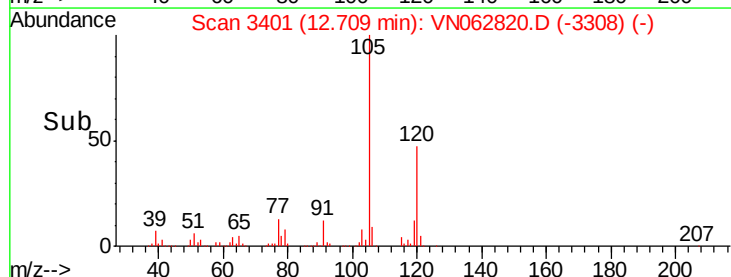
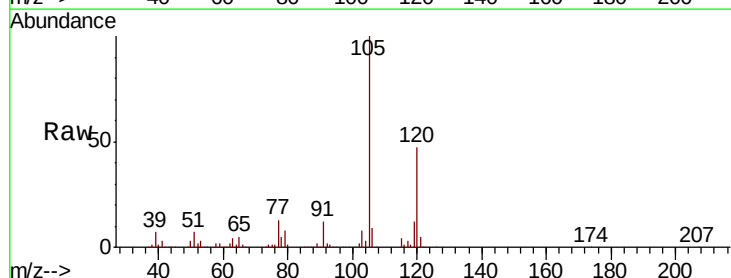
Acq: 10 Aug 2020 20:14

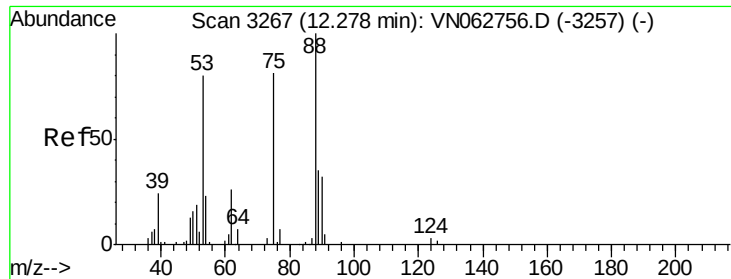
Tgt Ion: 105 Resp: 398095

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 47.525 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

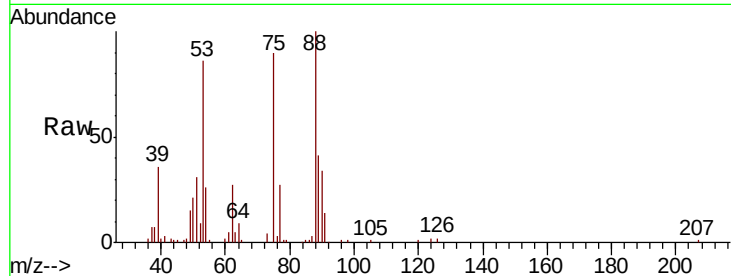
Tot Ion: 75 Resp: 49249

Ion Ratio Lower Upper

75 100

53 98.5 79.1 118.7

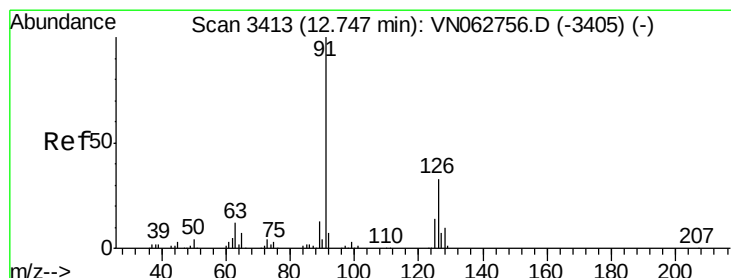
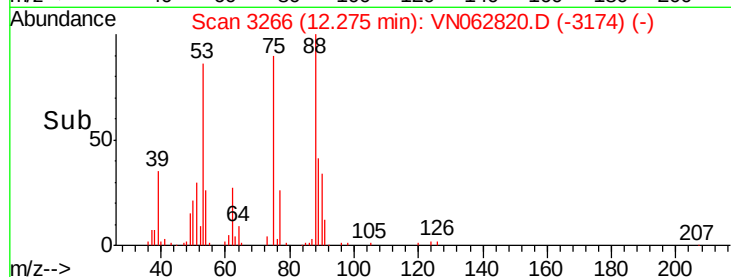
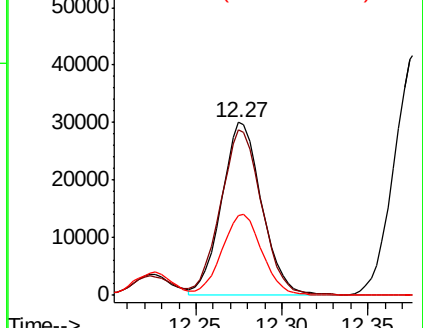
89 46.5 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.373 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062820.D

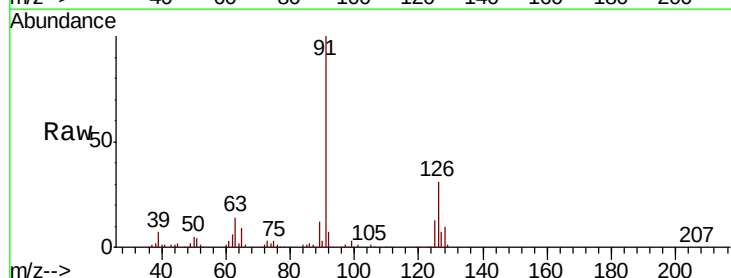
Acq: 10 Aug 2020 20:14

Tgt Ion: 91 Resp: 330815

Ion Ratio Lower Upper

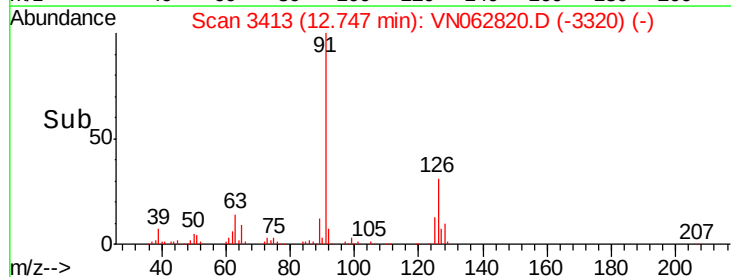
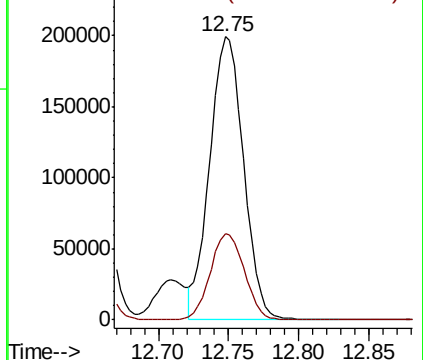
91 100

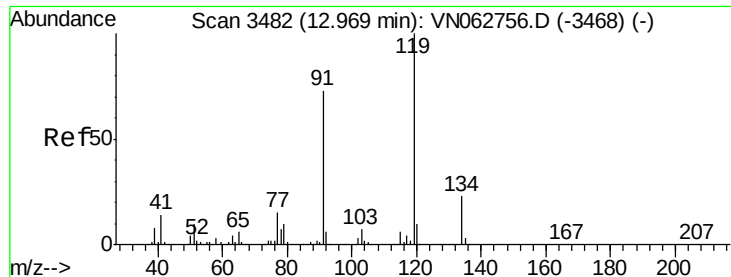
126 30.6 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

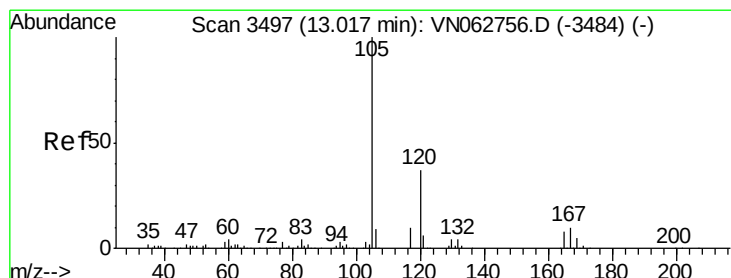
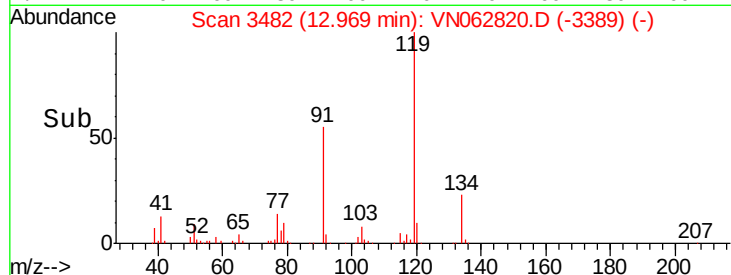
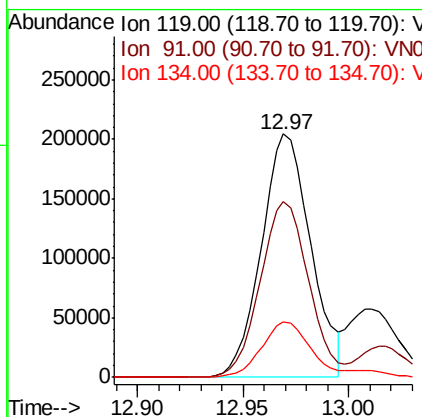
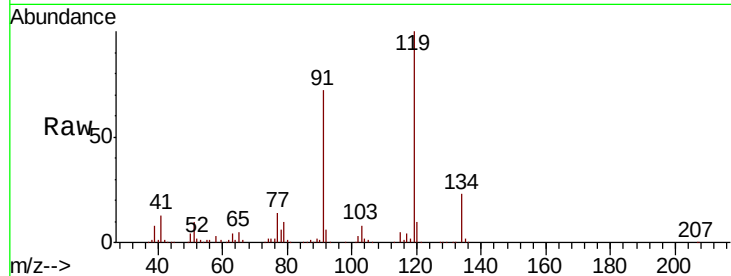




#83
 tert-Butylbenzene
 Concen: 51.563 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

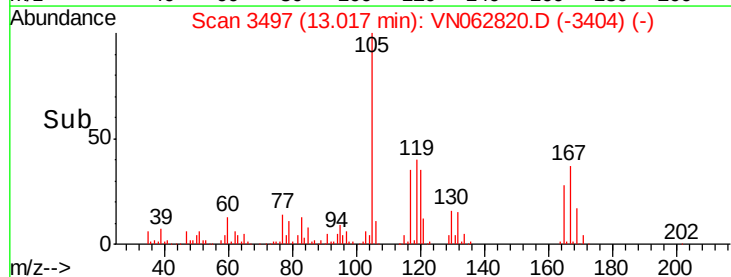
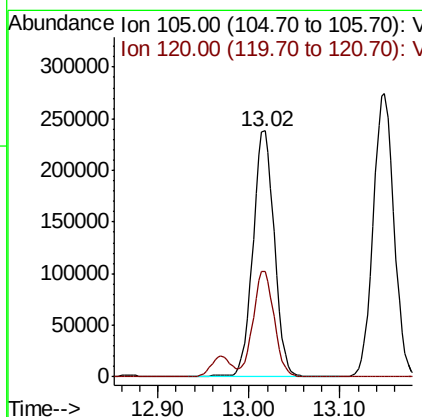
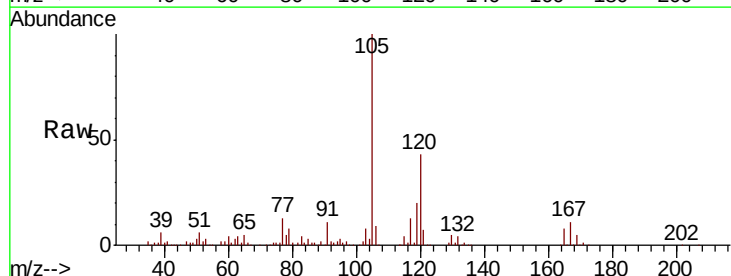
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

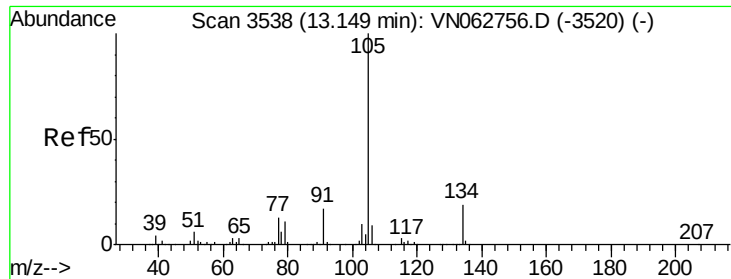
Tot Ion:119 Resp: 334338
 Ion Ratio Lower Upper
 119 100
 91 71.0 36.5 109.5
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.088 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion:105 Resp: 389180
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.4 64.2





#85

sec-Butylbenzene

Concen: 51.014 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

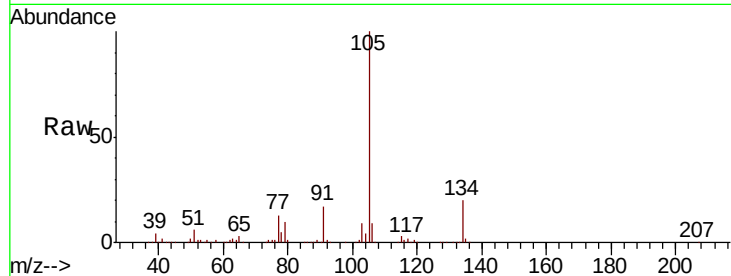
VSTDCCC050EC

Tot Ion:105 Resp: 434370

Ion Ratio Lower Upper

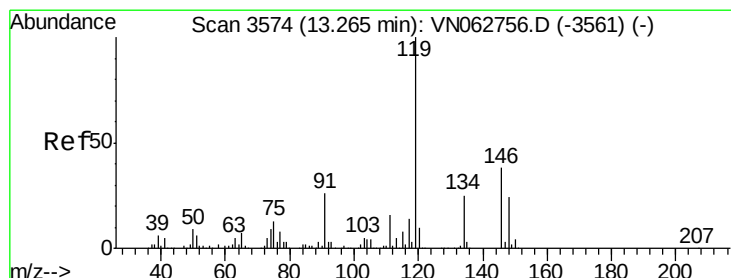
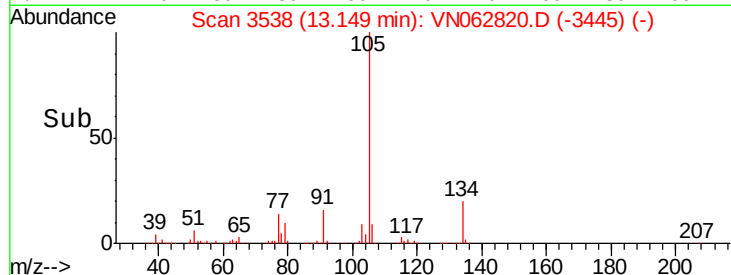
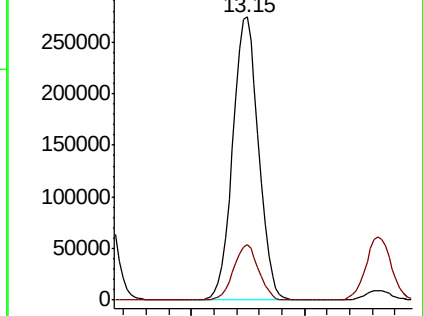
105 100

134 19.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.087 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

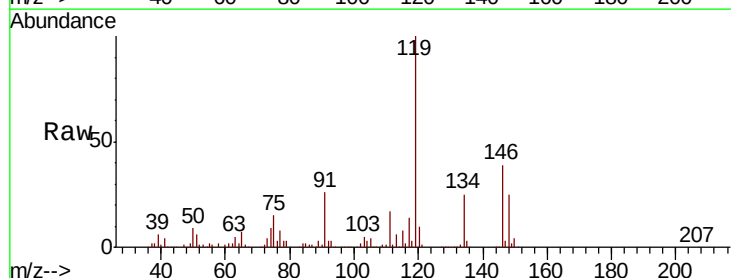
Tgt Ion:119 Resp: 386119

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

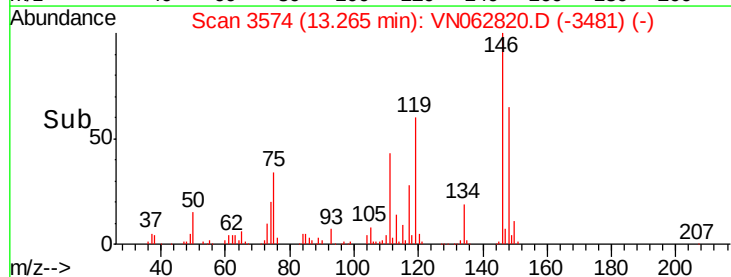
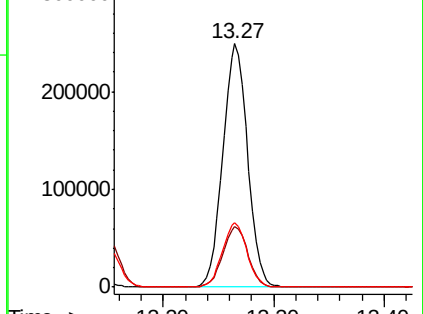
91 26.2 13.4 40.2

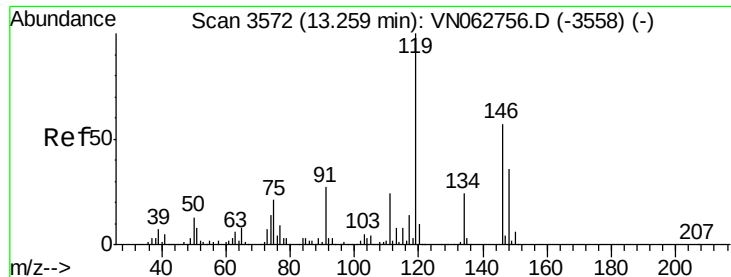


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

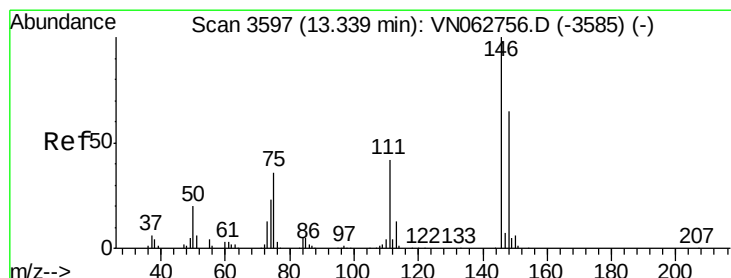
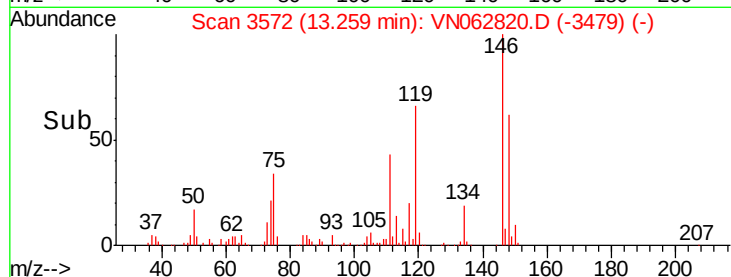
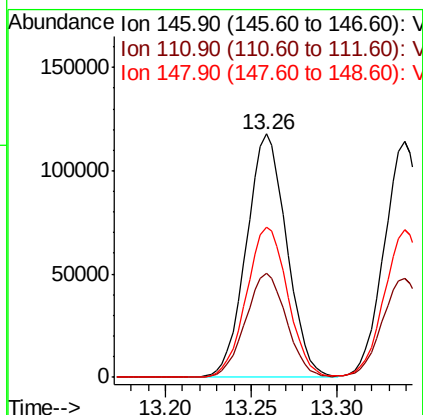
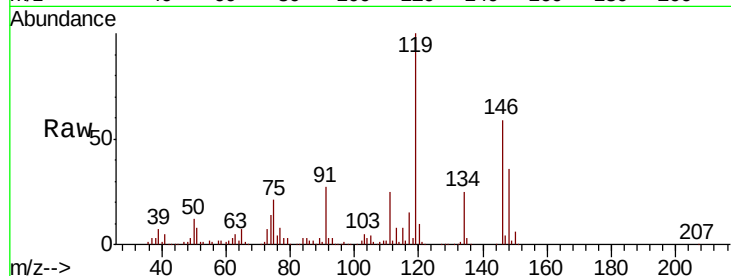




#87
 1,3-Dichlorobenzene
 Concen: 48.806 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

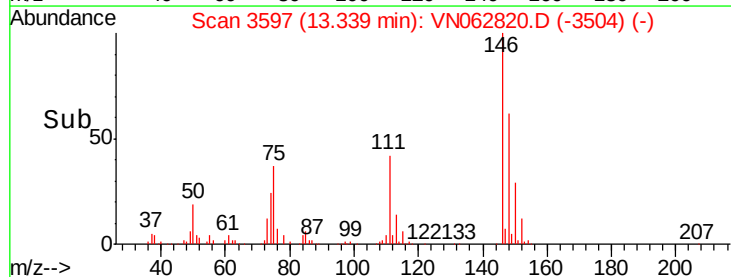
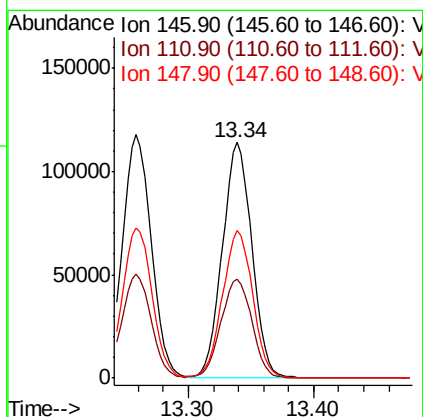
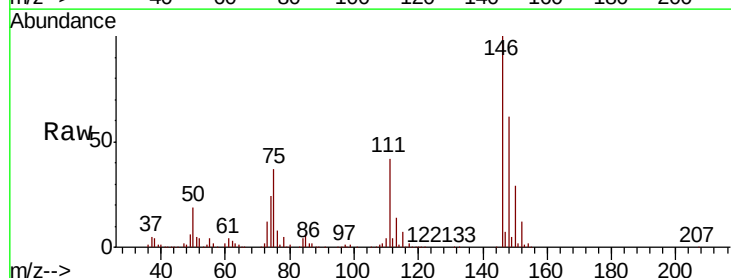
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

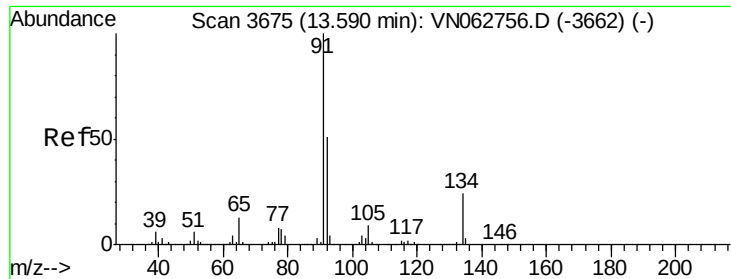
Tot Ion:146 Resp: 191353
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.7 65.1
 148 63.2 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 47.312 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion:146 Resp: 186047
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.6 64.6
 148 64.4 32.6 97.8





#89

n-Butylbenzene

Concen: 46.792 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

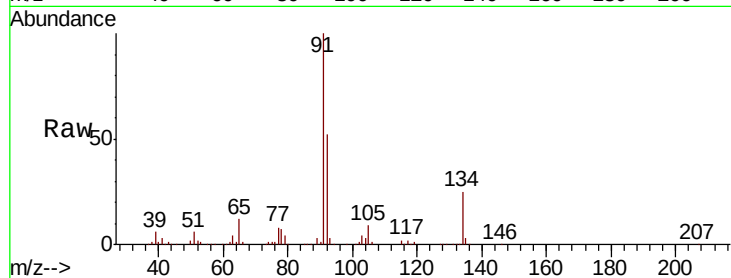
Tot Ion: 91 Resp: 299105

Ion Ratio Lower Upper

91 100

92 51.8 25.7 77.0

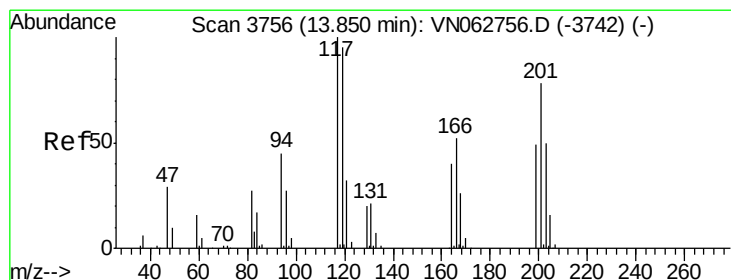
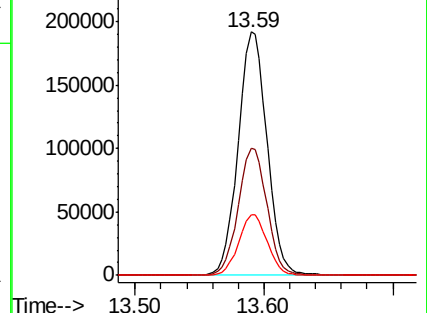
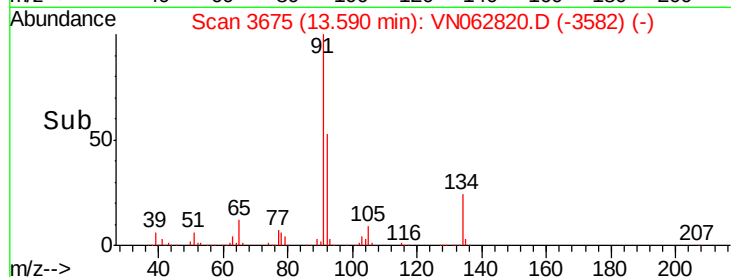
134 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN062820.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN062820.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN062820.D (-3582) (-)



#90

Hexachloroethane

Concen: 47.058 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062820.D

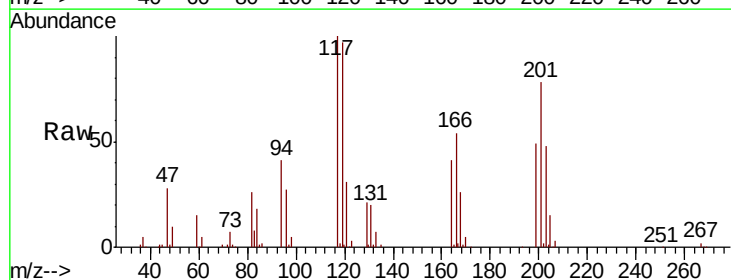
Acq: 10 Aug 2020 20:14

Tgt Ion: 117 Resp: 76666

Ion Ratio Lower Upper

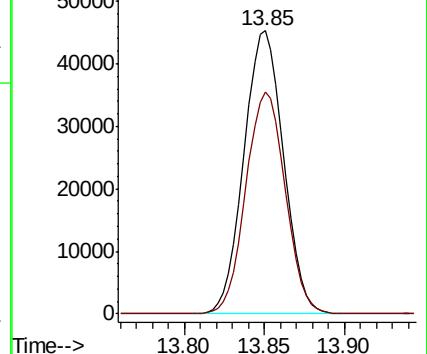
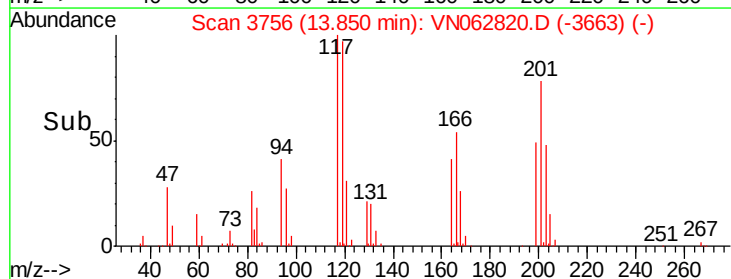
117 100

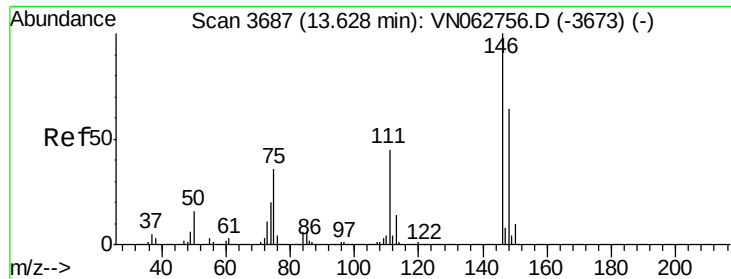
201 77.9 39.2 117.6



Abundance Ion 116.80 (116.50 to 117.50): VN062820.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062820.D (-3663) (-)

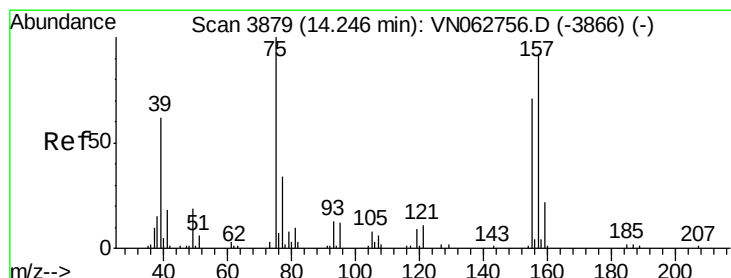
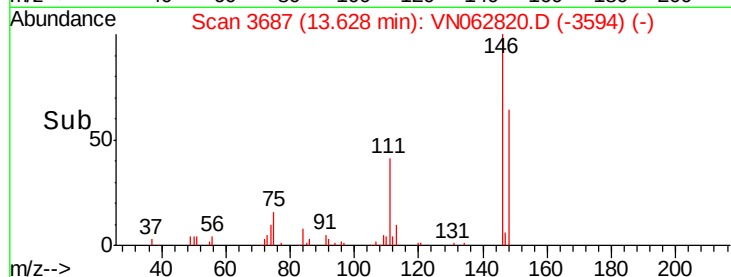
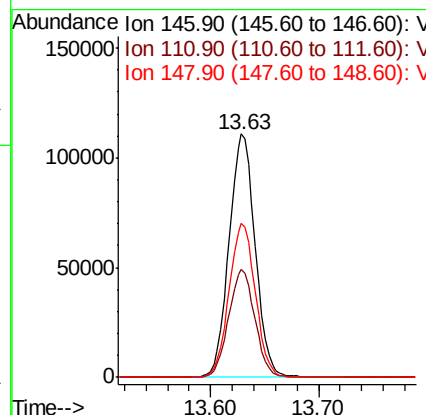
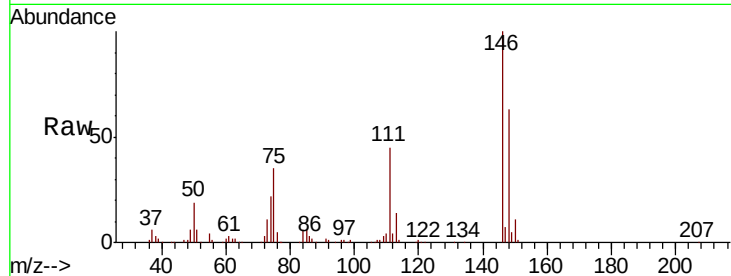




#91
 1,2-Dichlorobenzene
 Concen: 50.834 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

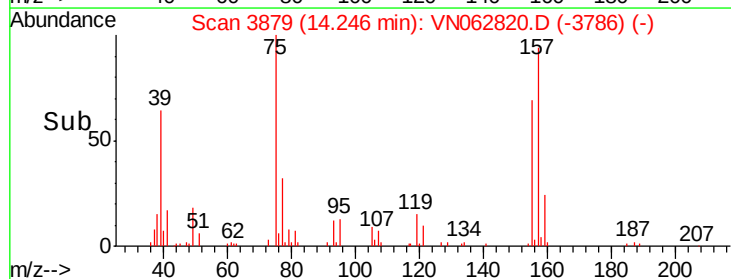
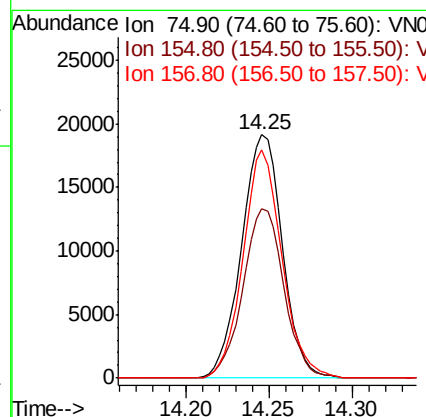
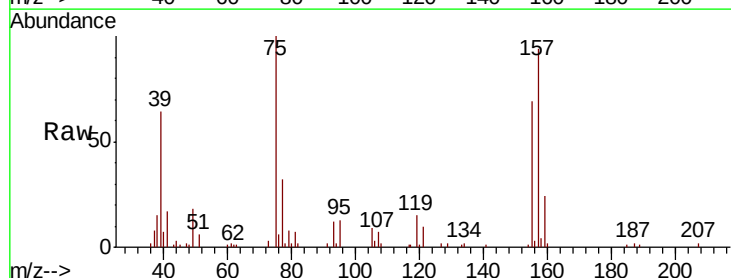
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

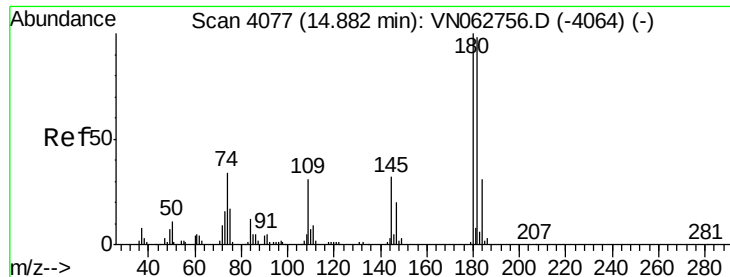
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.8	68.4
148	63.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.090 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	35.0	105.1
157	89.4	43.2	129.6

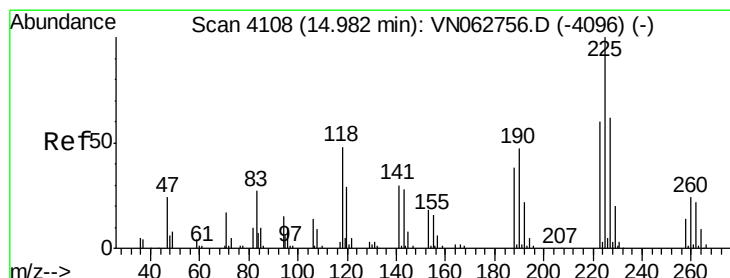
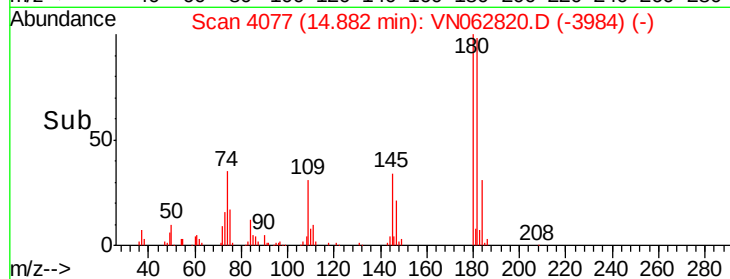
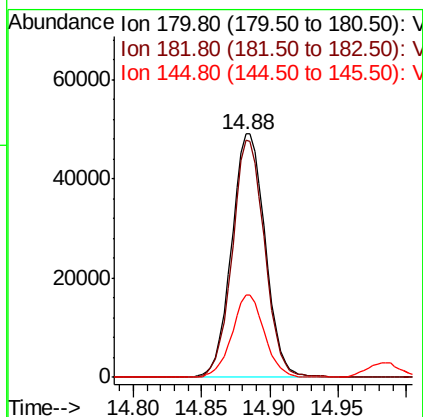
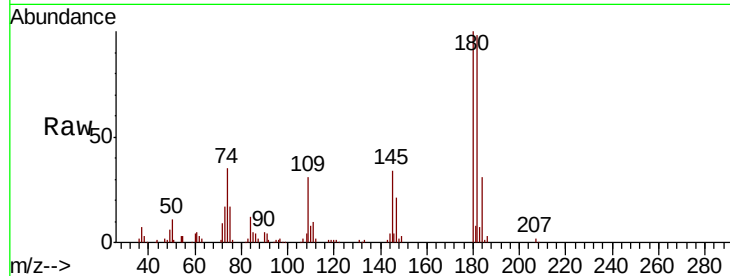




#93
 1,2,4-Trichlorobenzene
 Concen: 42.970 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

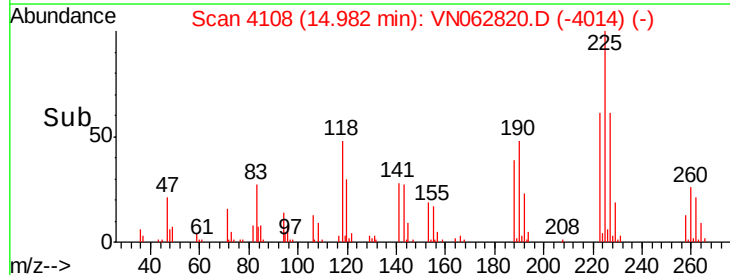
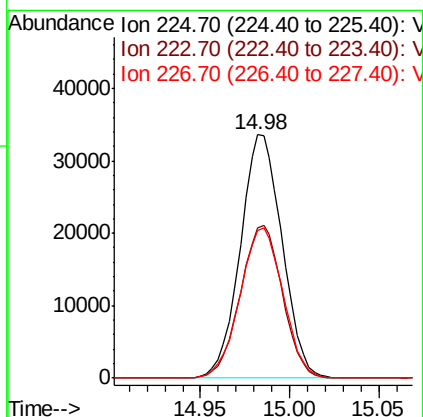
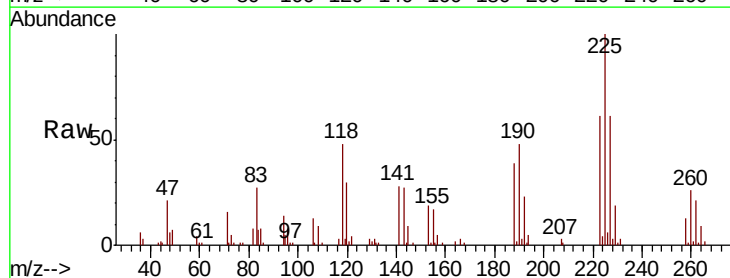
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

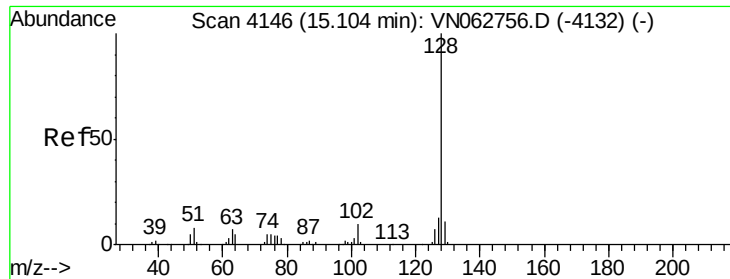
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	49.1	147.4
145	32.7	16.3	48.8



#94
 Hexachlorobutadiene
 Concen: 47.481 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.6	92.0
227	63.4	31.6	95.0

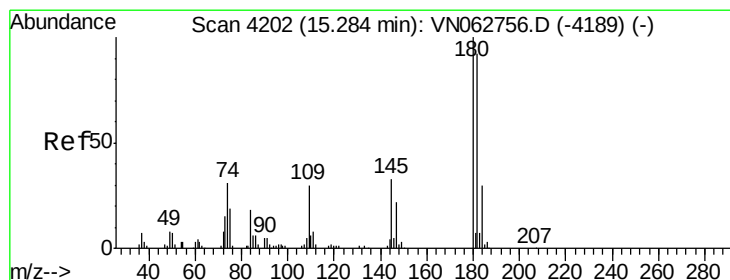
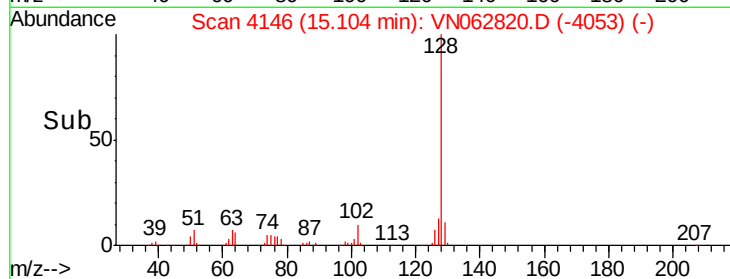
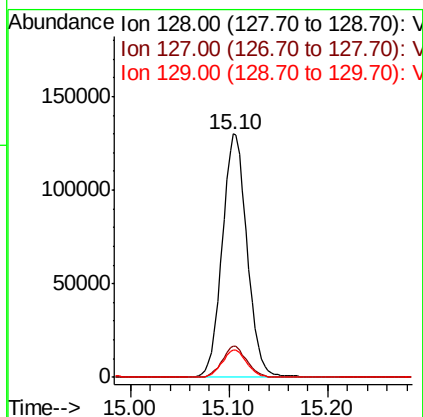
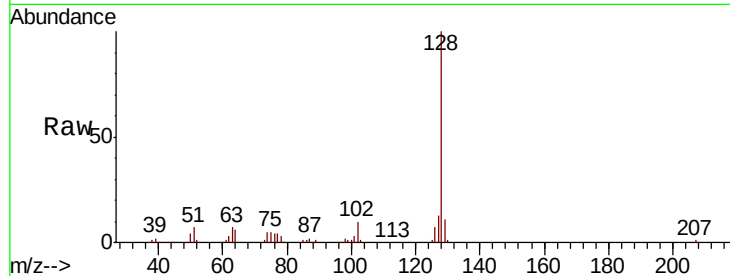




#95
Naphthalene
Concen: 43.254 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 230330
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 44.488 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion:180 Resp: 85937
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.6
145 34.6 17.3 51.7

