

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080720\
 Data File : VN062780.D
 Acq On : 7 Aug 2020 15:39
 Operator : JC/MD
 Sample : VN0807WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Quant Time: Aug 08 02:12:44 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	164253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	267620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	115866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	124713	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	7.55	113	88151	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.06	98	333533	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
62) 4-Bromofluorobenzene	12.38	95	121750	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45997	19.556	ug/l	97
3) Chloromethane	2.04	50	46772	21.073	ug/l	97
4) Vinyl Chloride	2.16	62	45666	21.936	ug/l	98
5) Bromomethane	2.52	94	25997	18.865	ug/l	98
6) Chloroethane	2.66	64	27081	19.774	ug/l	98
7) Trichlorofluoromethane	2.98	101	67314	18.134	ug/l	99
8) Diethyl Ether	3.37	74	19010	17.889	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	28254	18.315	ug/l	99
10) Methyl Iodide	3.91	142	32430	18.025	ug/l #	93
11) Tert butyl alcohol	4.73	59	36520	82.034	ug/l	96
12) 1,1-Dichloroethene	3.70	96	25793	17.684	ug/l	98
13) Acrolein	3.57	56	17539	65.069	ug/l	98
14) Allyl chloride	4.27	41	47645	16.568	ug/l	99
15) Acrylonitrile	4.93	53	91042	88.171	ug/l	100
16) Acetone	3.78	43	80833	82.359	ug/l	98
17) Carbon Disulfide	4.00	76	72502	17.655	ug/l	98
18) Methyl Acetate	4.28	43	44563	18.485	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	110332	17.338	ug/l	95
20) Methylene Chloride	4.50	84	33773	18.321	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	29153	17.736	ug/l	95
22) Diisopropyl ether	5.91	45	116644	19.054	ug/l	94
23) Vinyl Acetate	5.85	43	387823	83.289	ug/l	98
24) 1,1-Dichloroethane	5.80	63	63872	17.804	ug/l	99
25) 2-Butanone	6.79	43	118995	85.603	ug/l	99
26) 2,2-Dichloropropane	6.77	77	52272	15.807	ug/l	98
27) cis-1,2-Dichloroethene	6.79	96	35835	18.174	ug/l	93
28) Bromochloromethane	7.15	49	34634	20.003	ug/l	96
29) Tetrahydrofuran	7.17	42	79510	88.043	ug/l	100
30) Chloroform	7.33	83	66570	17.461	ug/l	97
31) Cyclohexane	7.61	56	59314	18.011	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	58536	17.172	ug/l	97
36) 1,1-Dichloropropene	7.75	75	43189	16.574	ug/l	96
37) Ethyl Acetate	6.88	43	41354	15.192	ug/l	96
38) Carbon Tetrachloride	7.73	117	50675	16.443	ug/l	99

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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	52881	16.863	ug/l	93
40) Benzene	8.00	78	133766	17.203	ug/l	97
41) Methacrylonitrile	7.12	41	19251	15.673	ug/l #	55
42) 1,2-Dichloroethane	8.09	62	56157	16.968	ug/l	100
43) Isopropyl Acetate	8.13	43	74936	16.505	ug/l #	91
44) Trichloroethene	8.80	130	33362	17.610	ug/l	97
45) 1,2-Dichloropropane	9.08	63	37870	17.994	ug/l	96
46) Dibromomethane	9.18	93	24391	17.688	ug/l	99
47) Bromodichloromethane	9.37	83	54152	17.485	ug/l	99
48) Methyl methacrylate	9.17	41	37310	16.707	ug/l	99
49) 1,4-Dioxane	9.17	88	13214	319.331	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	254108	86.501	ug/l	99
52) Toluene	10.13	92	84290	17.557	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	55589	16.318	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	58991	17.247	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	35793	17.456	ug/l	98
56) Ethyl methacrylate	10.40	69	52179	16.906	ug/l	98
57) 1,3-Dichloropropane	10.68	76	59965	17.211	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	67592	77.477	ug/l	98
59) 2-Hexanone	10.72	43	182945	83.486	ug/l	100
60) Dibromochloromethane	10.87	129	40039	17.111	ug/l	99
61) 1,2-Dibromoethane	10.98	107	36227	17.905	ug/l	99
64) Tetrachloroethene	10.60	164	28776	17.646	ug/l	97
65) Chlorobenzene	11.41	112	90935	17.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	37385	17.621	ug/l	97
67) Ethyl Benzene	11.48	91	157814	16.692	ug/l	96
68) m/p-Xylenes	11.60	106	119690	34.875	ug/l	97
69) o-Xylene	11.92	106	57463	17.867	ug/l	96
70) Styrene	11.94	104	98586	17.439	ug/l	99
71) Bromoform	12.10	173	29447	16.963	ug/l #	99
73) Isopropylbenzene	12.22	105	157278	18.027	ug/l	99
74) N-amyl acetate	12.05	43	63474	17.953	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	56346	18.346	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	72337	23.149	ug/l #	100
77) Bromobenzene	12.50	156	40349	18.613	ug/l	92
78) n-propylbenzene	12.57	91	182425	17.812	ug/l	100
79) 2-Chlorotoluene	12.65	91	113377	17.653	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	138011	18.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	17583	17.178	ug/l	97
82) 4-Chlorotoluene	12.75	91	119944	18.123	ug/l	99
83) tert-Butylbenzene	12.97	119	115774	18.076	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	135078	18.654	ug/l	99
85) sec-Butylbenzene	13.15	105	151979	18.070	ug/l	99
86) p-Isopropyltoluene	13.26	119	132748	17.781	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	67958	17.548	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	67505	17.379	ug/l	97
89) n-Butylbenzene	13.59	91	105325	16.681	ug/l	100
90) Hexachloroethane	13.85	117	27376	17.012	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	67213	18.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11516	17.465	ug/l	96

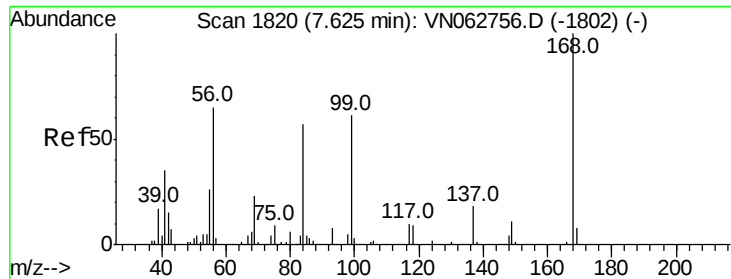
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26758	16.133	ug/l	100
94) Hexachlorobutadiene	14.98	225	20468	16.886	ug/l	98
95) Naphthalene	15.10	128	65423	15.080	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	28074	16.548	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

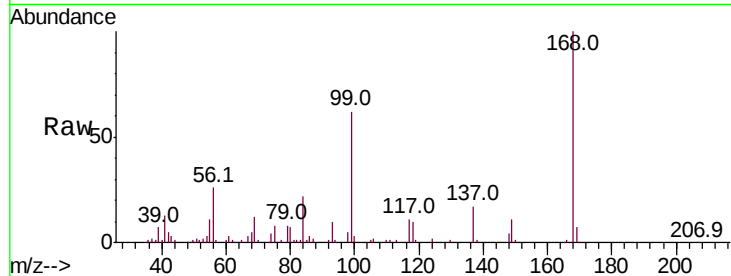
VN0807WBS01

Tot Ion:168 Resp: 164253

Ion Ratio Lower Upper

168 100

99 61.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

80000

60000

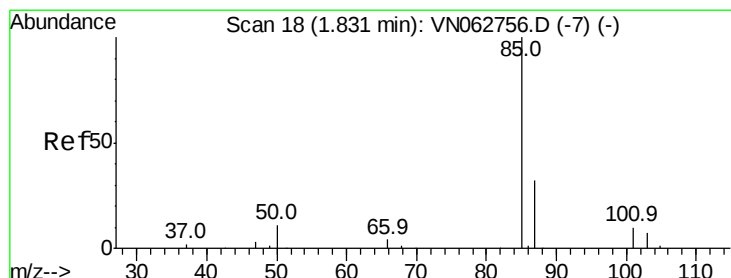
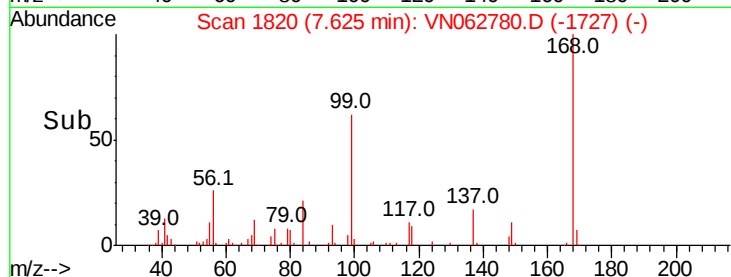
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.556 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062780.D

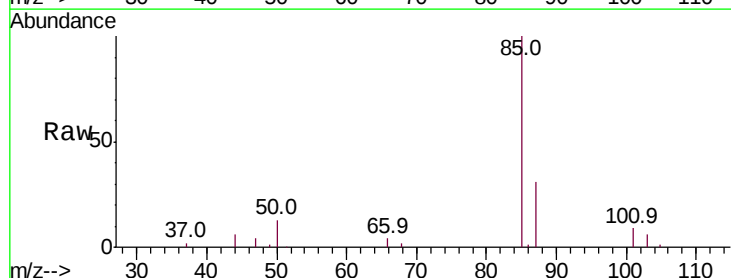
Acq: 7 Aug 2020 15:39

Tgt Ion: 85 Resp: 45997

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

30000

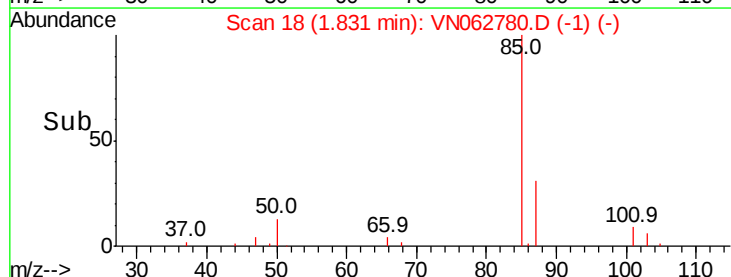
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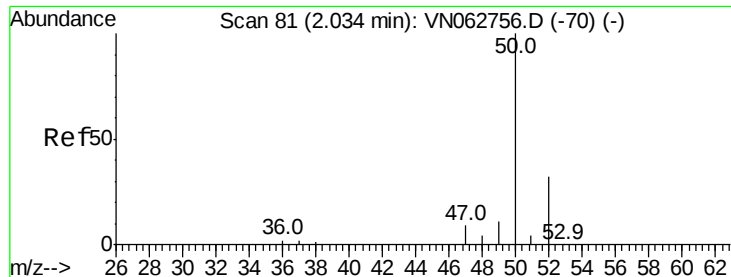
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.073 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

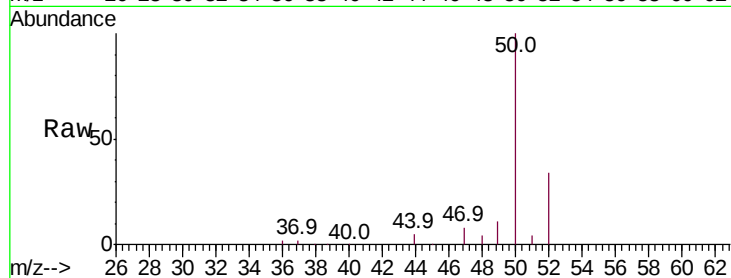
VN0807WBS01

Tot Ion: 50 Resp: 46772

Ion Ratio Lower Upper

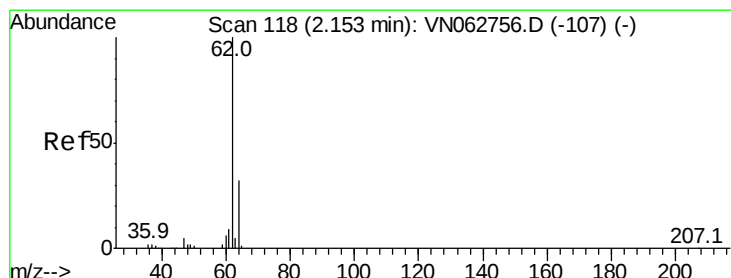
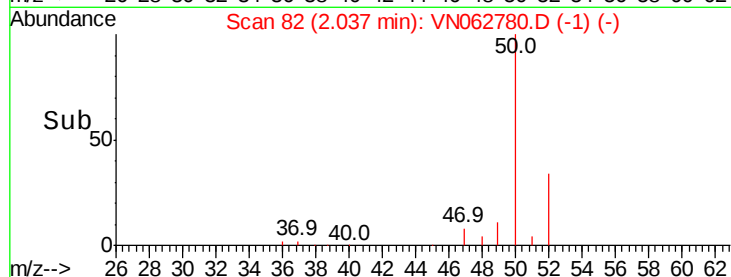
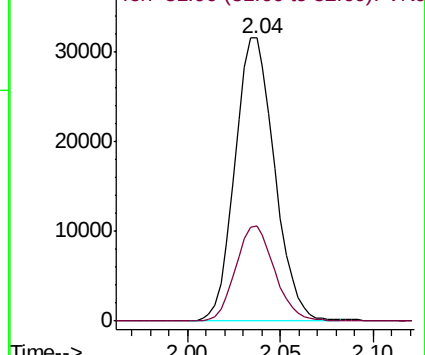
50 100

52 33.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.936 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062780.D

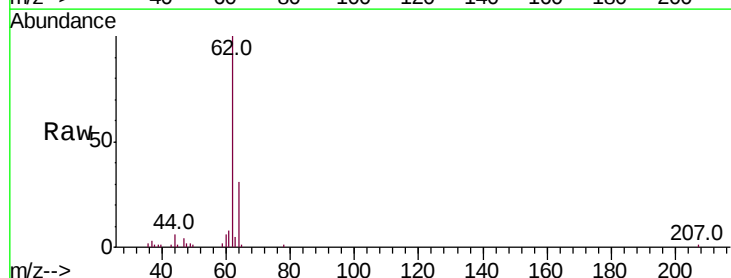
Acq: 7 Aug 2020 15:39

Tgt Ion: 62 Resp: 45666

Ion Ratio Lower Upper

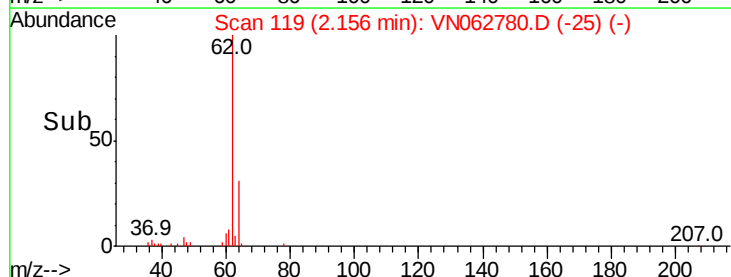
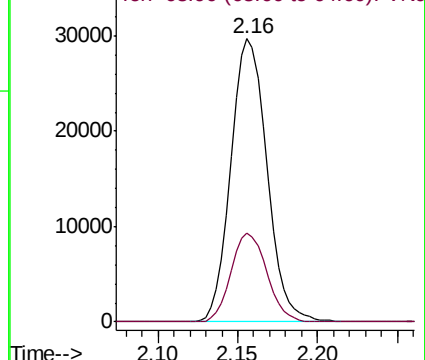
62 100

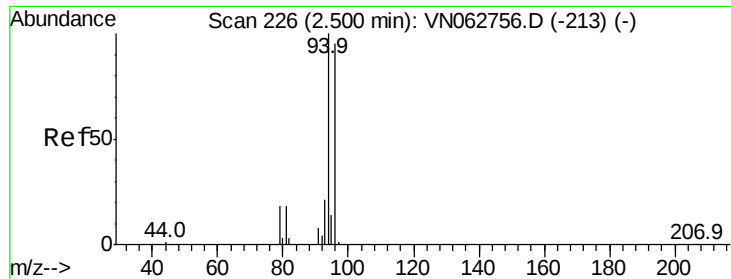
64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.865 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.02 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

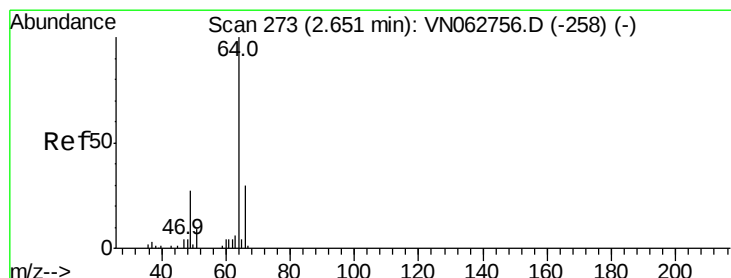
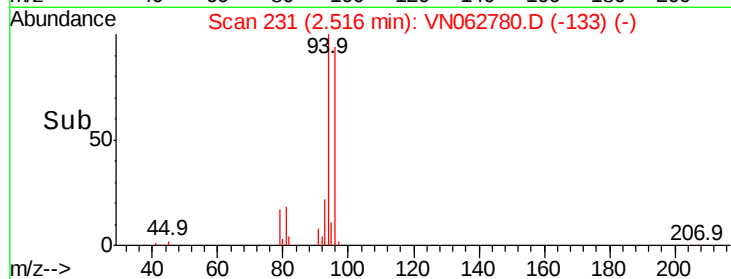
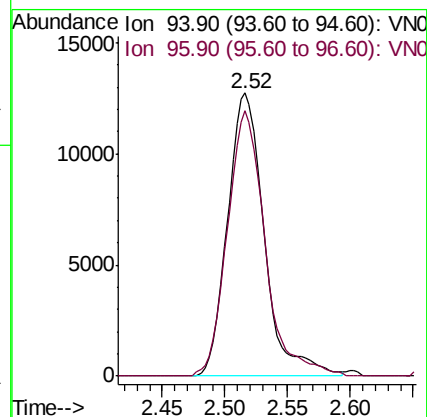
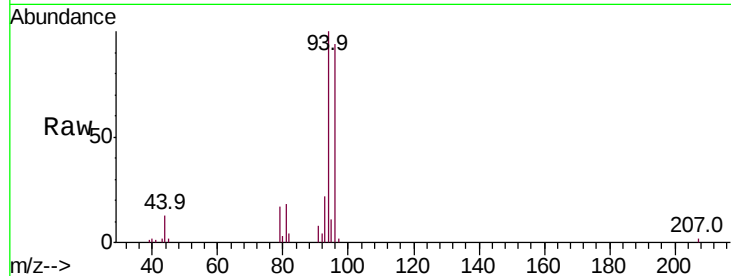
VN0807WBS01

Tot Ion: 94 Resp: 25997

Ion Ratio Lower Upper

94 100

96 93.8 76.2 114.4



#6

Chloroethane

Concen: 19.774 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.01 min

Lab File: VN062780.D

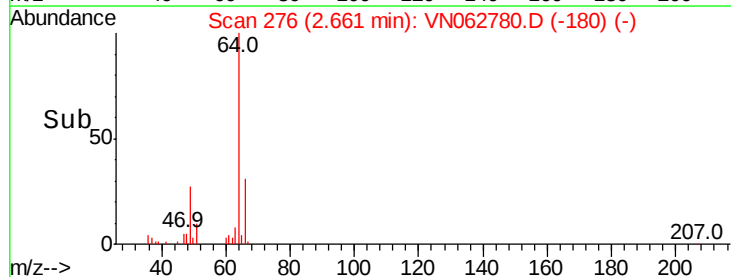
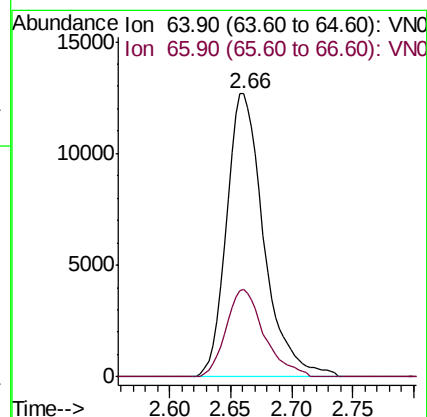
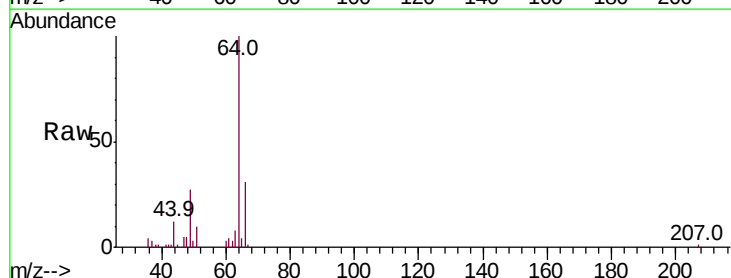
Acq: 7 Aug 2020 15:39

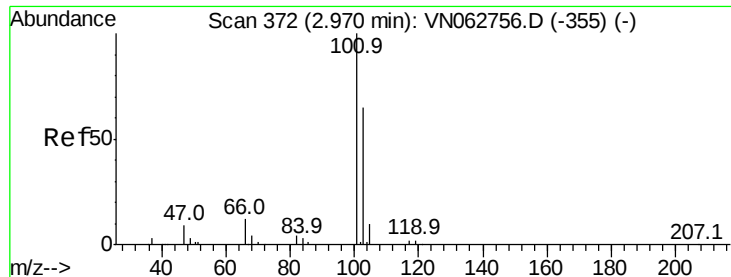
Tgt Ion: 64 Resp: 27081

Ion Ratio Lower Upper

64 100

66 30.8 24.0 36.0



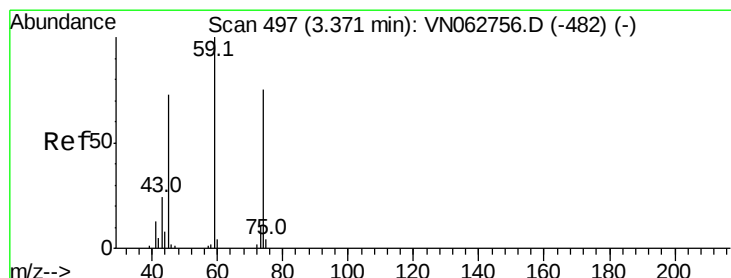
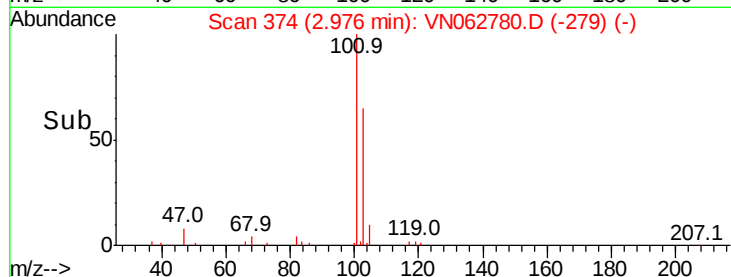
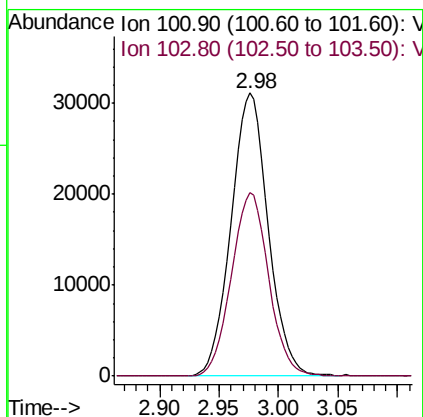
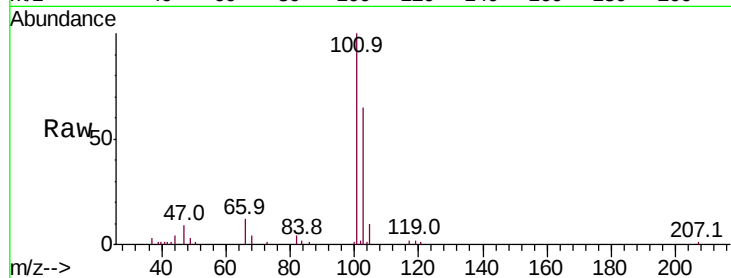


#7

Trichlorofluoromethane
 Concen: 18.134 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Instrument :
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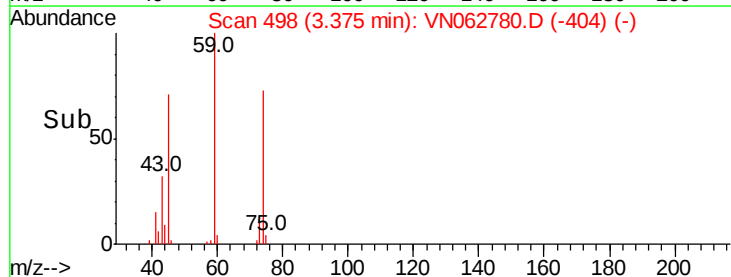
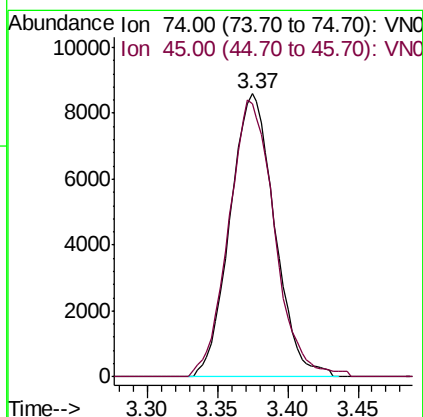
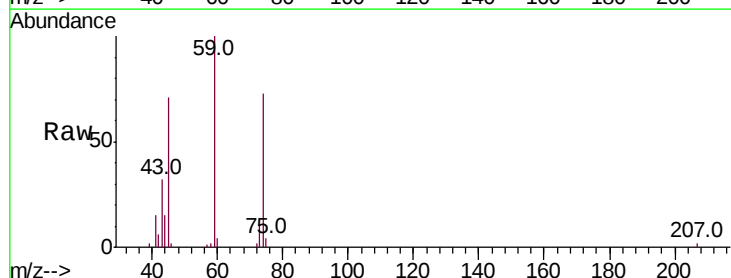
Tot Ion:101 Resp: 67314
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.3 78.5

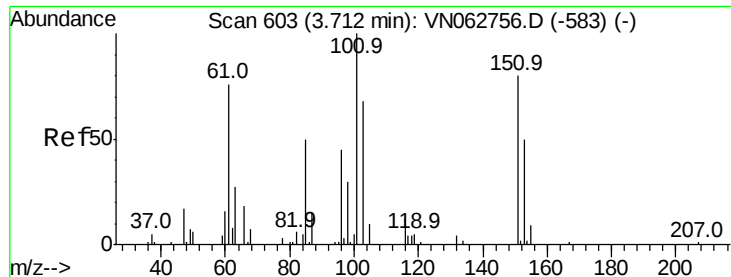


#8

Diethyl Ether
 Concen: 17.889 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 74 Resp: 19010
 Ion Ratio Lower Upper
 74 100
 45 100.5 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.315 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

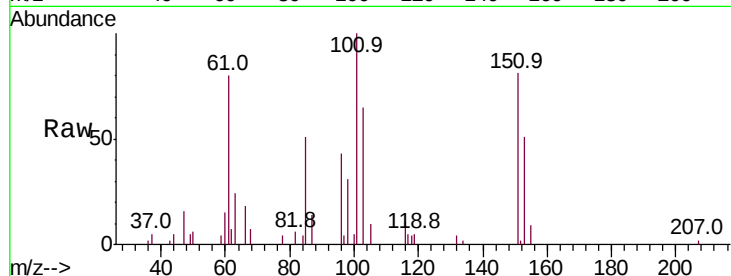
Tot Ion:101 Resp: 28254

Ion Ratio Lower Upper

101 100

85 49.0 38.5 57.7

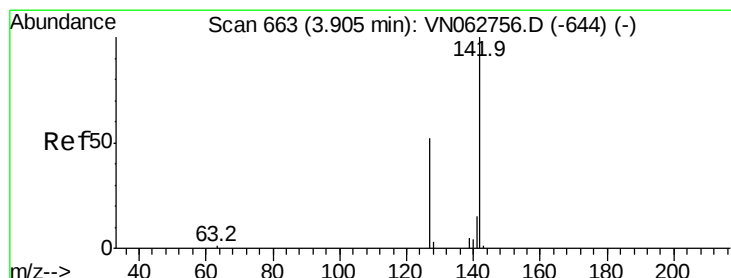
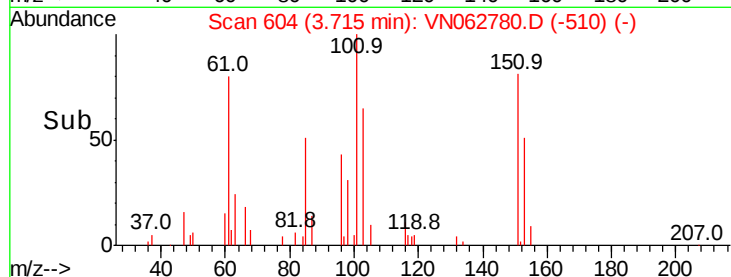
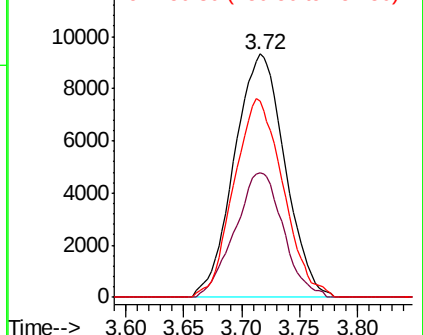
151 79.3 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.025 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

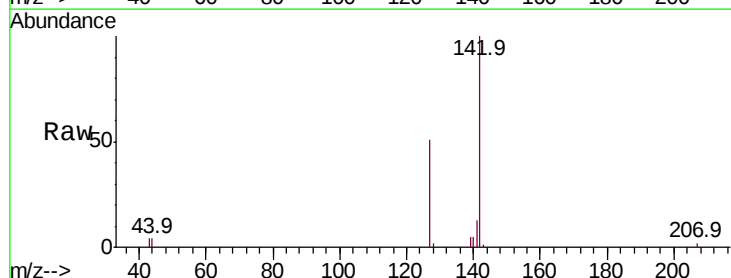
Tgt Ion:142 Resp: 32430

Ion Ratio Lower Upper

142 100

127 50.1 41.4 62.0

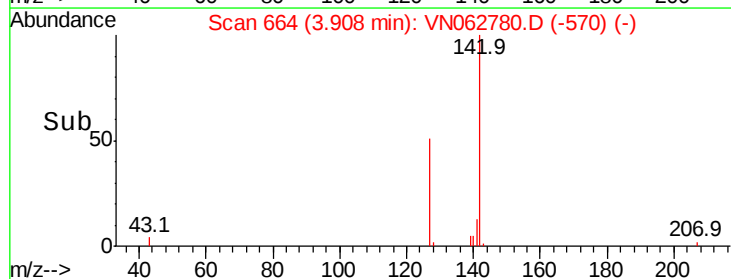
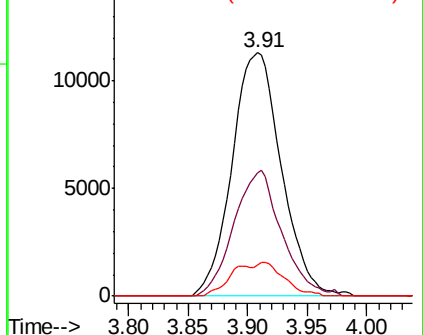
141 6.0 12.2 18.4#

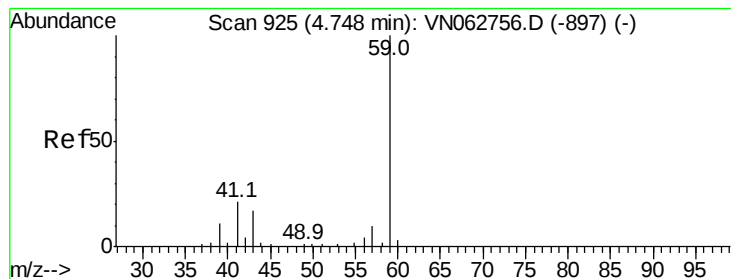


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



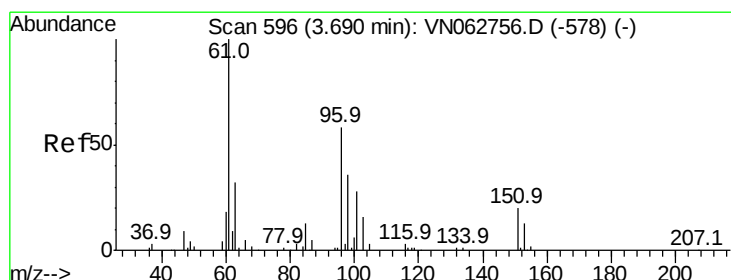
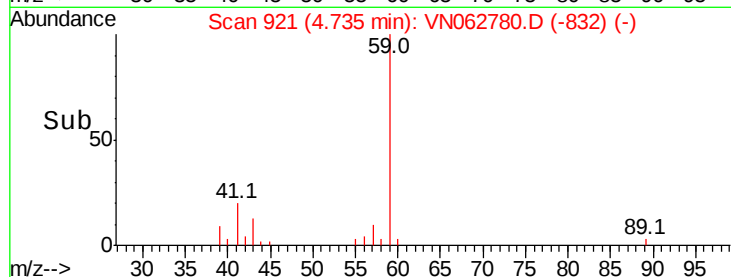
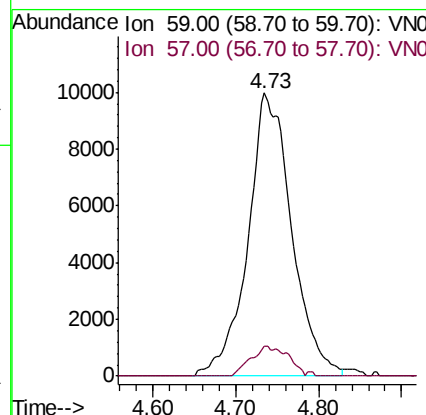
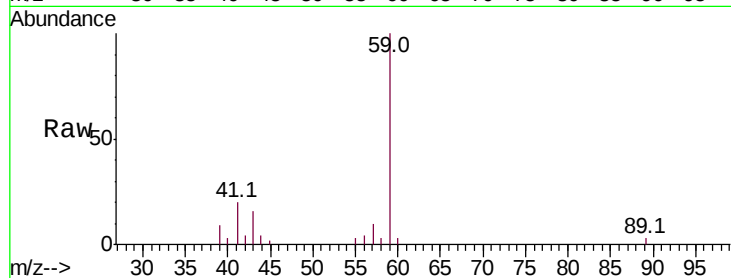


#11

Tert butyl alcohol
 Concen: 82.034 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

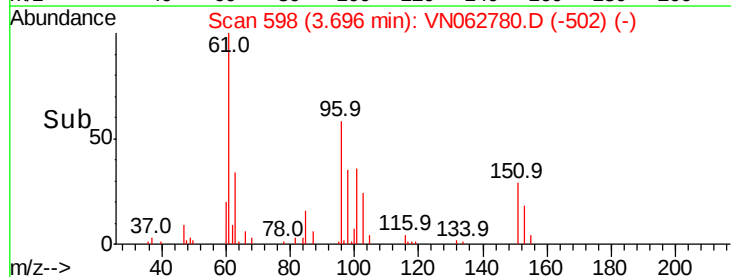
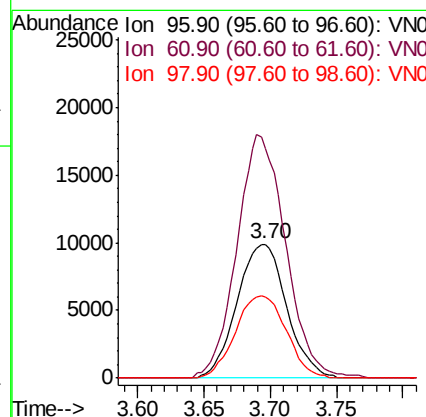
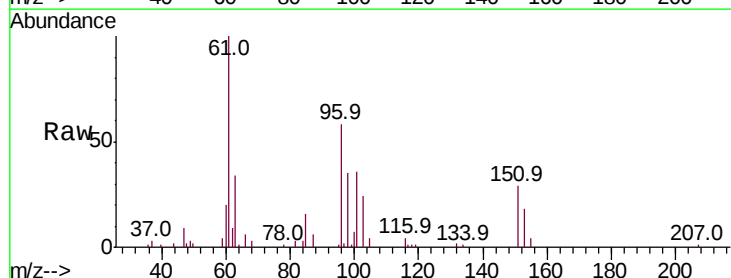
Tot Ion: 59 Resp: 36520
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.3 12.5

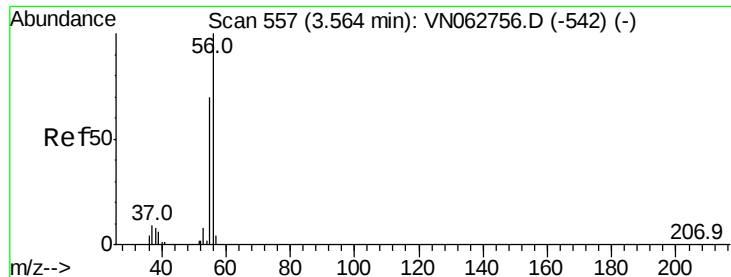


#12

1,1-Dichloroethene
 Concen: 17.684 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 96 Resp: 25793
 Ion Ratio Lower Upper
 96 100
 61 171.1 139.0 208.6
 98 60.4 50.2 75.4





#13

Acrolein

Concen: 65.069 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

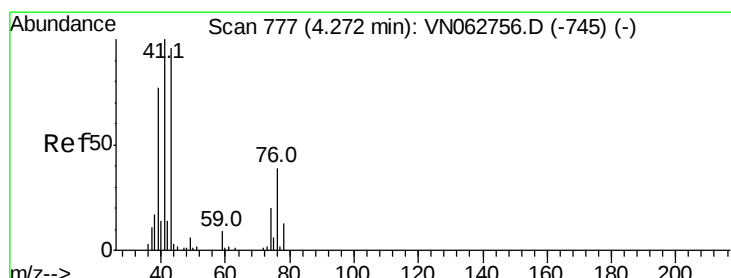
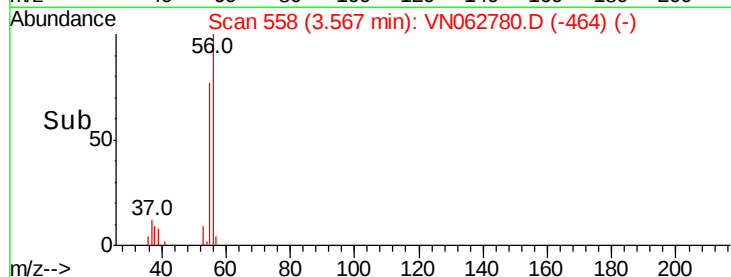
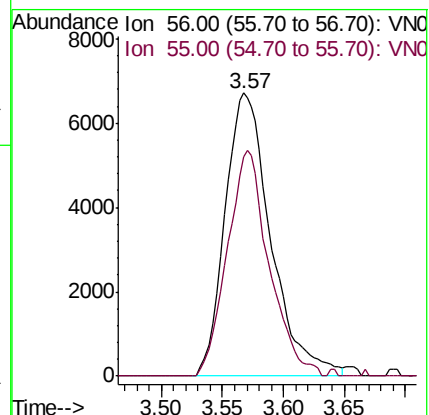
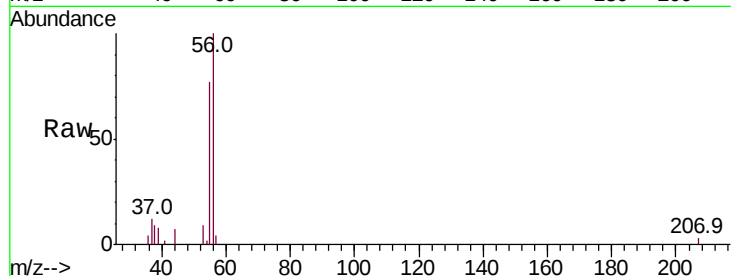
VN0807WBS01

Tot Ion: 56 Resp: 17539

Ion Ratio Lower Upper

56 100

55 72.9 57.0 85.6



#14

Allyl chloride

Concen: 16.568 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

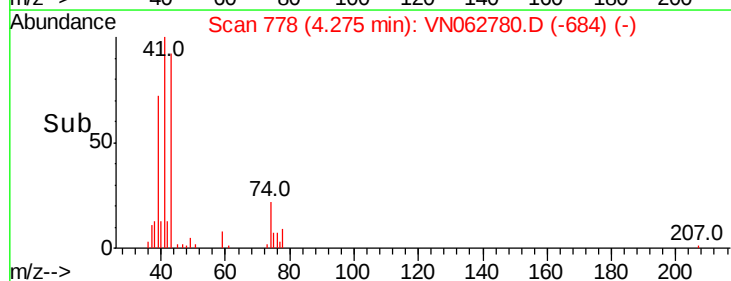
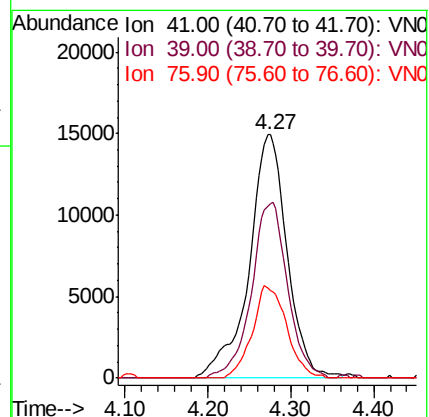
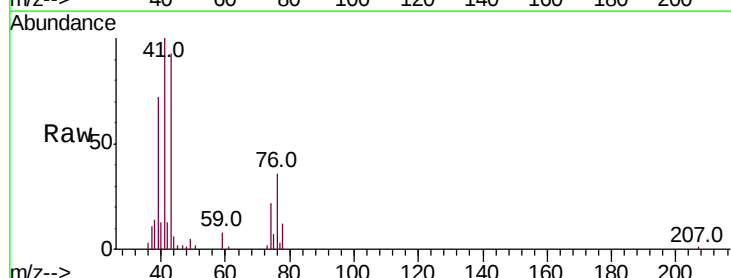
Tgt Ion: 41 Resp: 47645

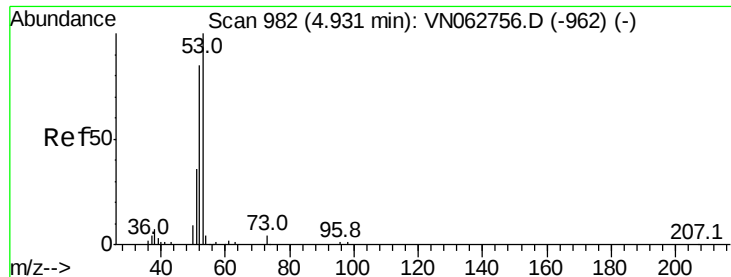
Ion Ratio Lower Upper

41 100

39 68.4 55.7 83.5

76 34.2 27.5 41.3





#15

Acrylonitrile

Concen: 88.171 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

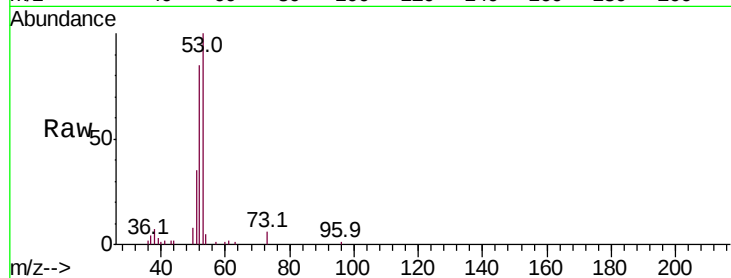
Tot Ion: 53 Resp: 91042

Ion Ratio Lower Upper

53 100

52 83.4 66.8 100.2

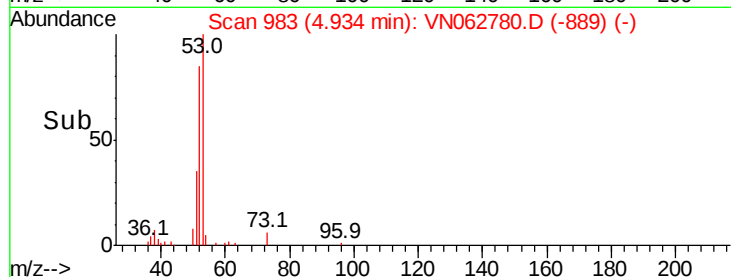
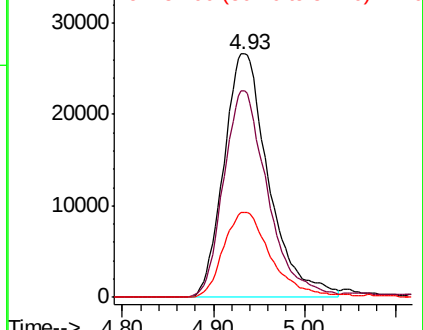
51 36.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.359 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062780.D

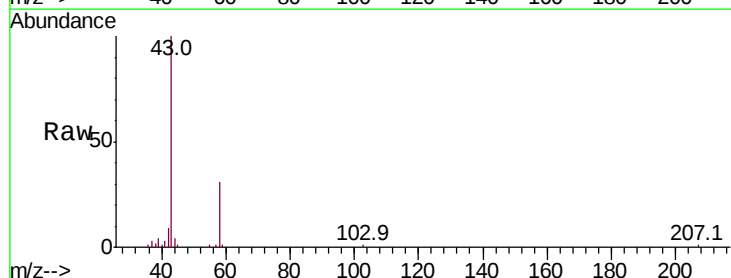
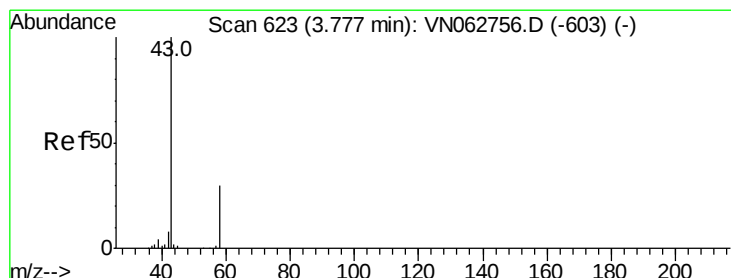
Acq: 7 Aug 2020 15:39

Tgt Ion: 43 Resp: 80833

Ion Ratio Lower Upper

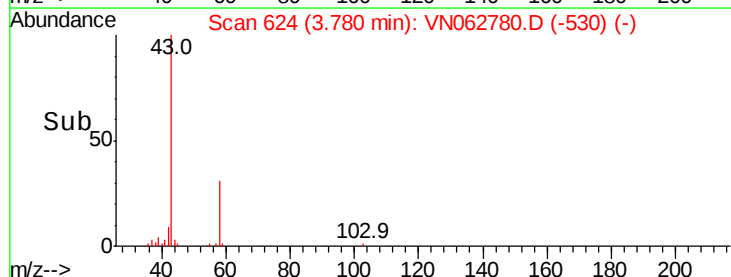
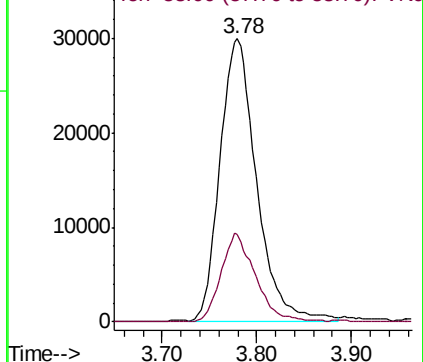
43 100

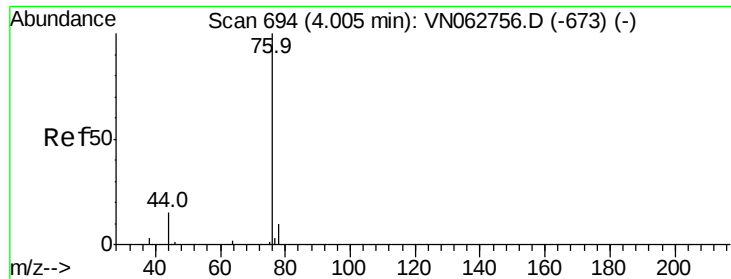
58 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

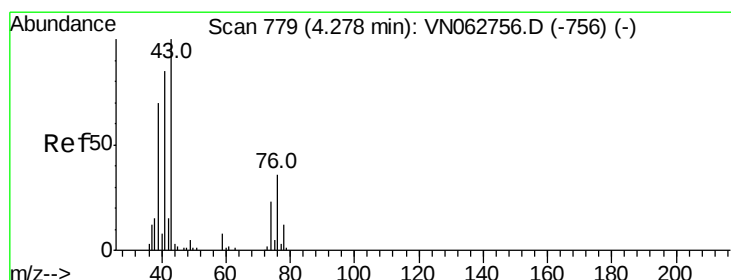
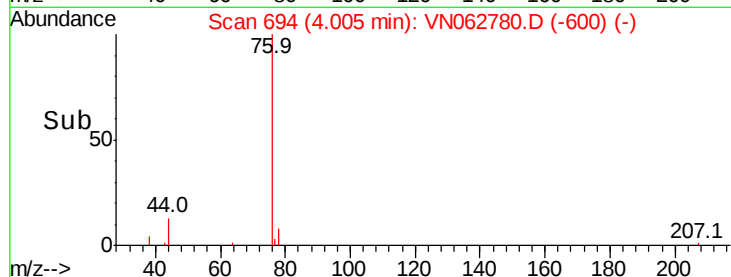
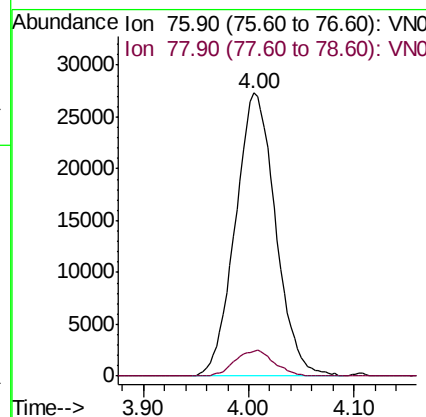
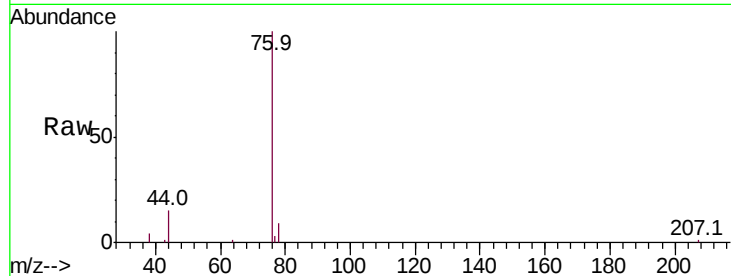




#17
Carbon Disulfide
Concen: 17.655 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

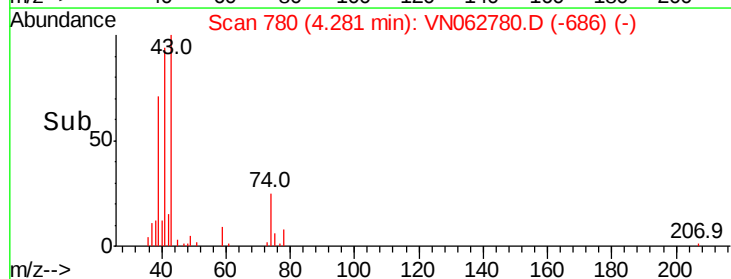
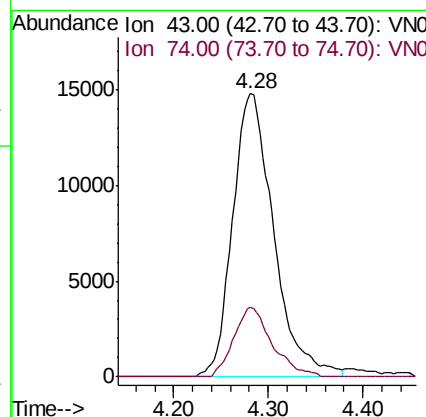
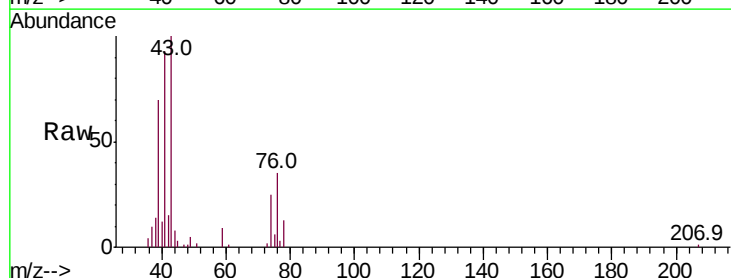
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

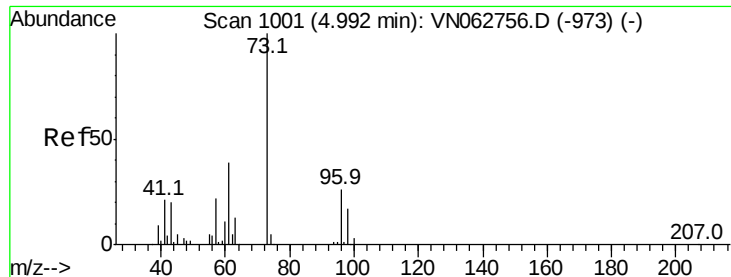
Tot Ion: 76 Resp: 72502
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5



#18
Methyl Acetate
Concen: 18.485 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 43 Resp: 44563
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0

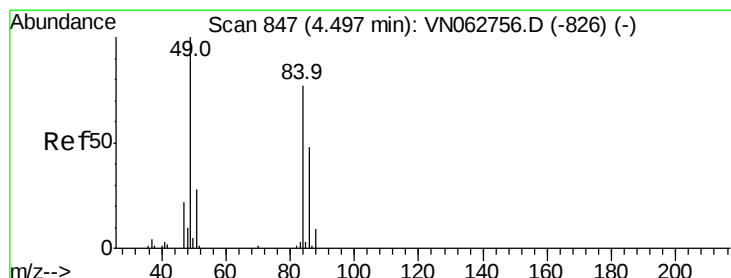
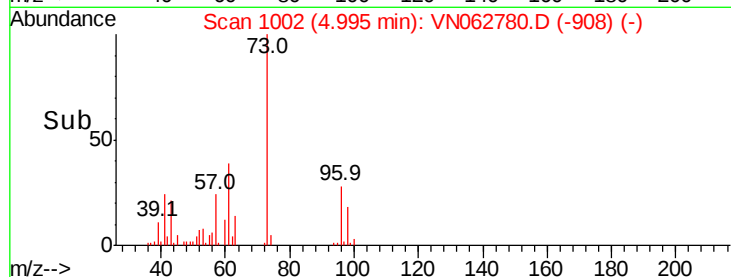
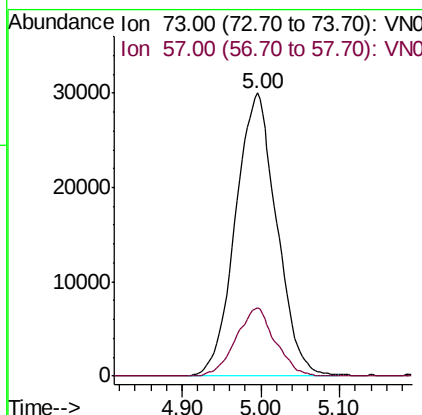
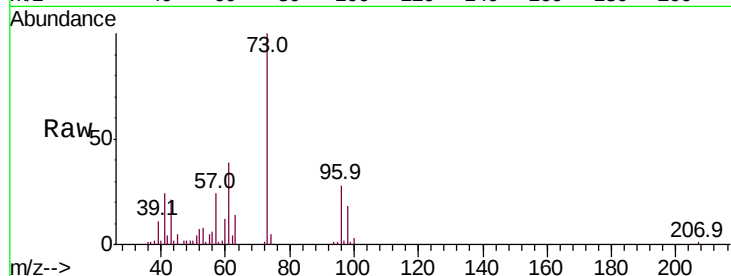




#19
Methvl tert-butvl Ether
Concen: 17.338 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

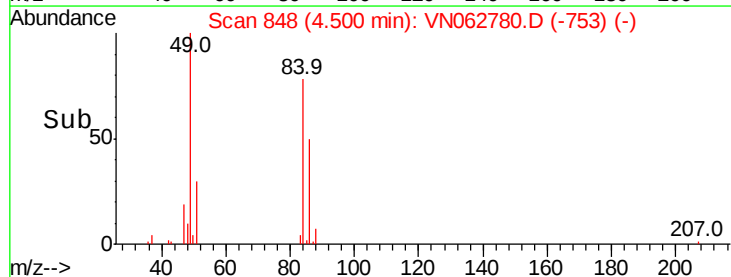
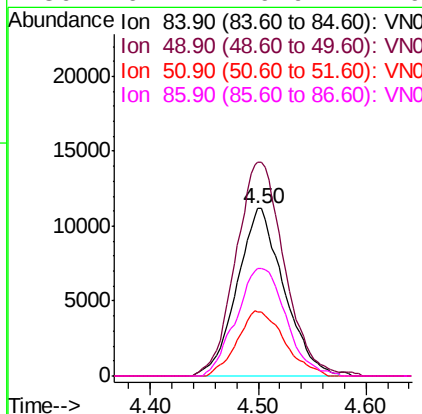
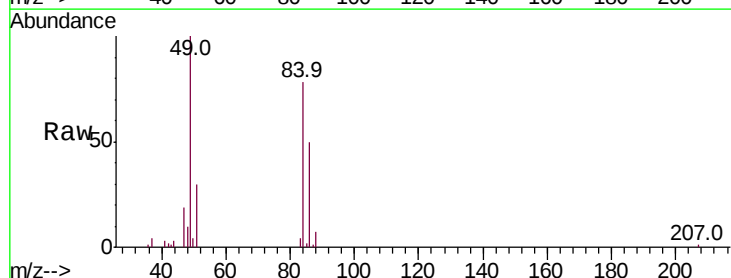
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

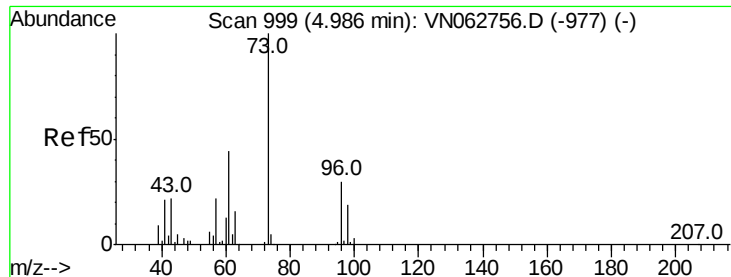
Tot Ion: 73 Resp: 110332
Ion Ratio Lower Upper
73 100
57 24.3 17.5 26.3



#20
Methylene Chloride
Concen: 18.321 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 84 Resp: 33773
Ion Ratio Lower Upper
84 100
49 127.4 103.4 155.2
51 38.6 29.3 43.9
86 64.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.736 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

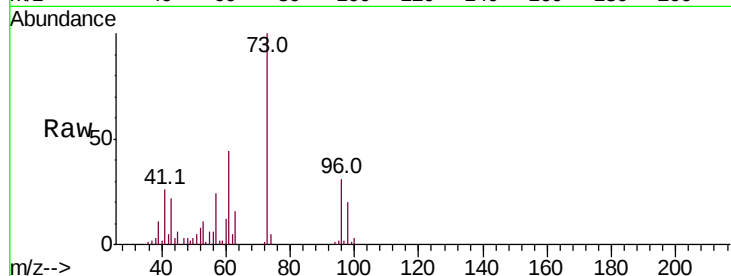
Tot Ion: 96 Resp: 29153

Ion Ratio Lower Upper

96 100

61 139.0 118.8 178.2

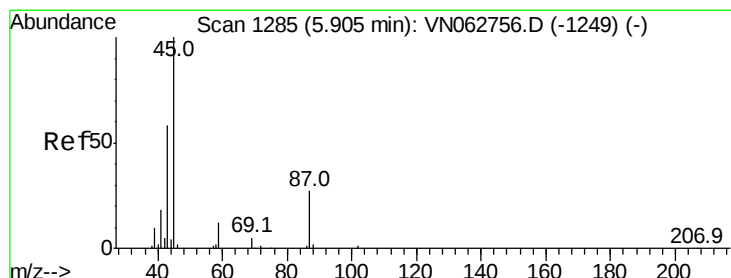
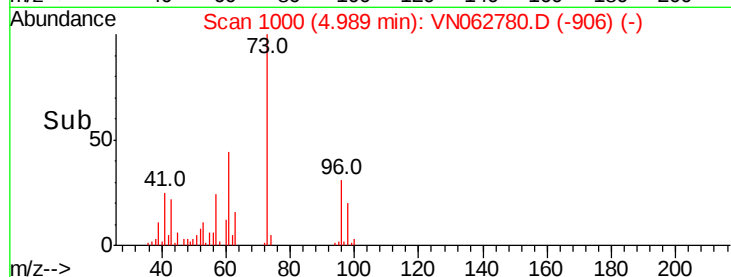
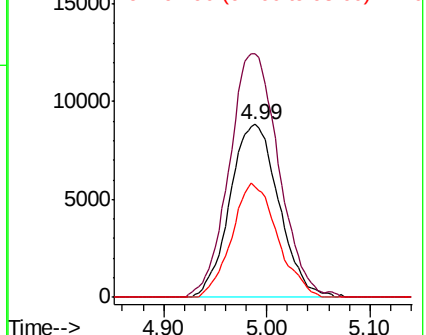
98 63.8 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.054 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Tgt Ion: 45 Resp: 116644

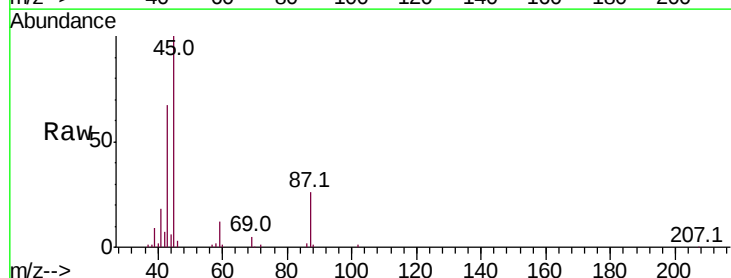
Ion Ratio Lower Upper

45 100

43 64.9 47.4 71.2

87 26.1 22.8 34.2

59 11.8 9.9 14.9

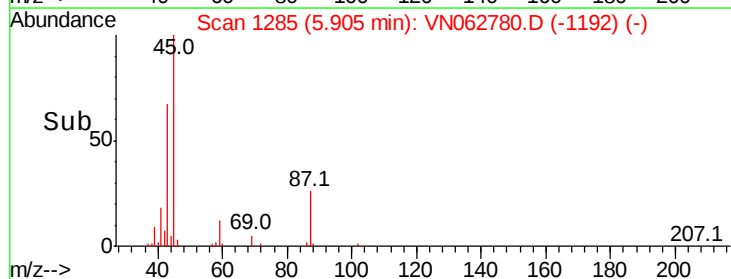
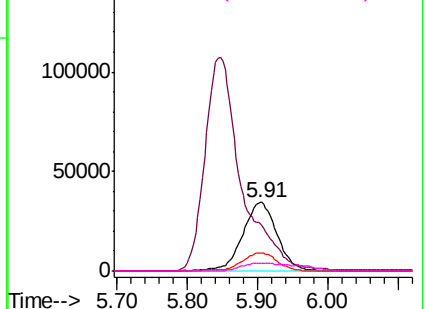


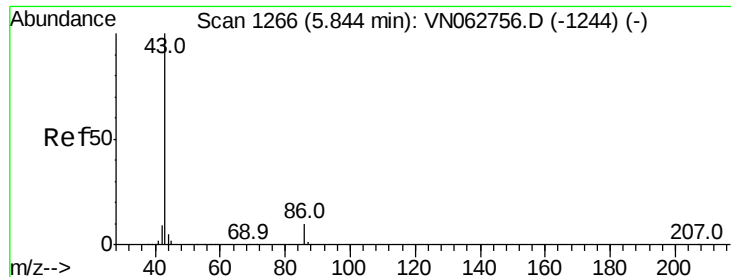
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

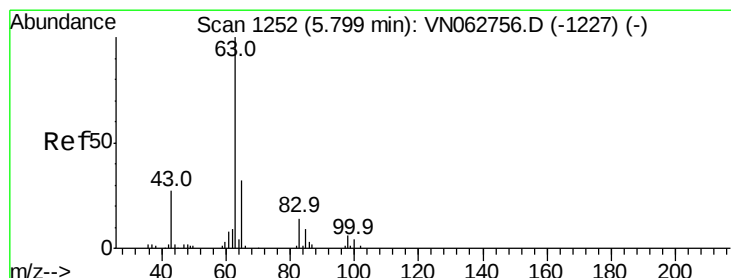
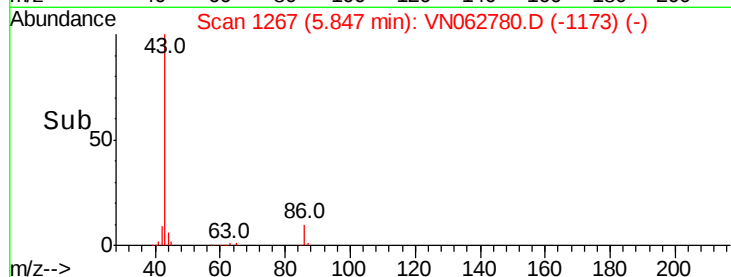
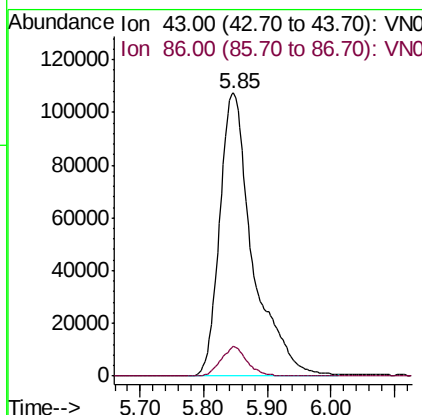
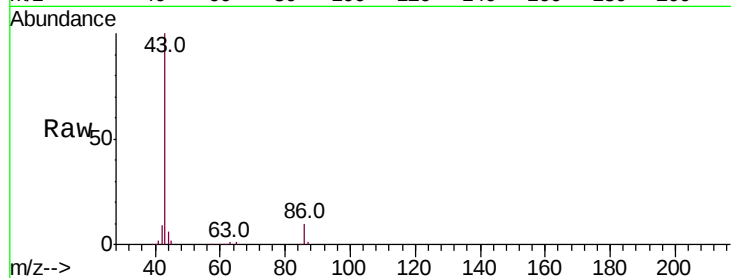




#23
 Vinyl Acetate
 Concen: 83.289 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

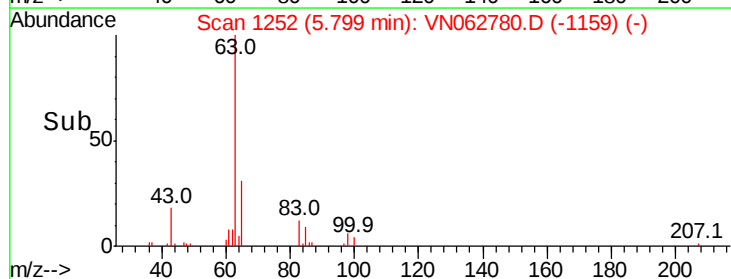
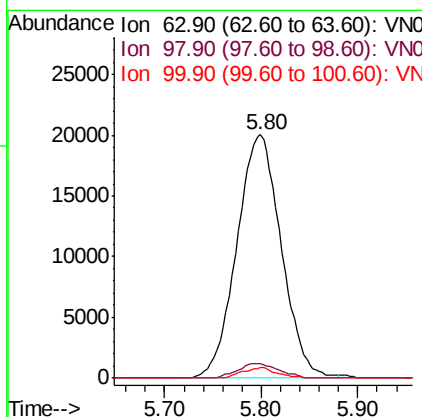
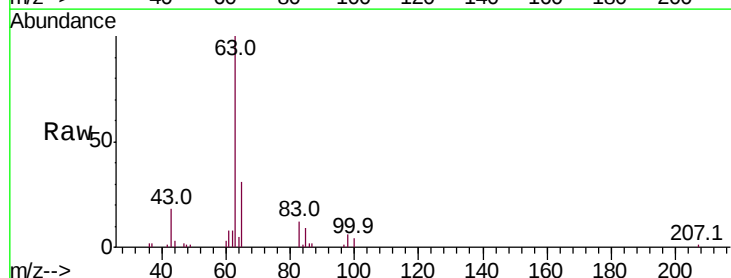
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

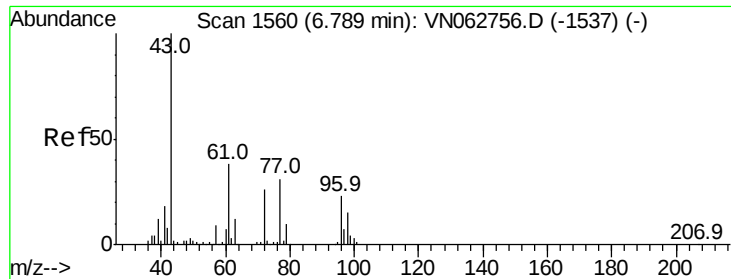
Tot Ion: 43 Resp: 387823
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 17.804 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 63 Resp: 63872
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 85.603 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

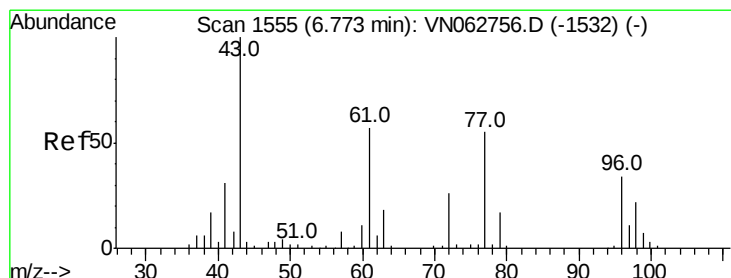
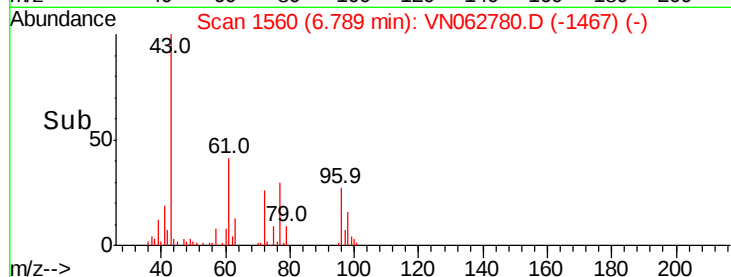
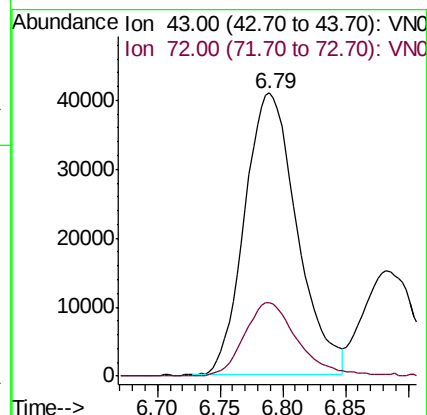
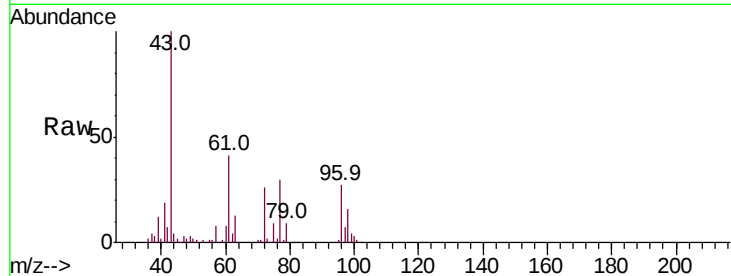
VN0807WBS01

Tot Ion: 43 Resp: 118995

Ion Ratio Lower Upper

43 100

72 26.1 21.1 31.7



#26

2,2-Dichloropropane

Concen: 15.807 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062780.D

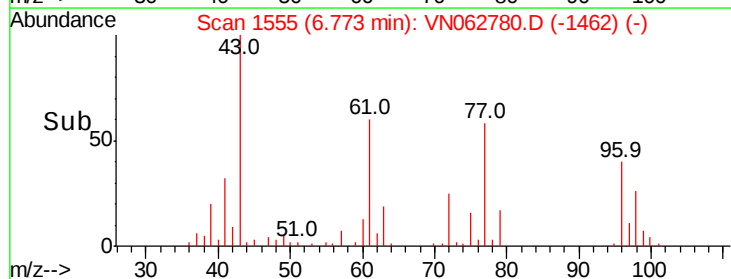
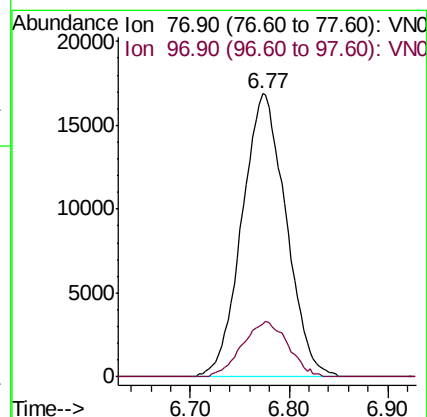
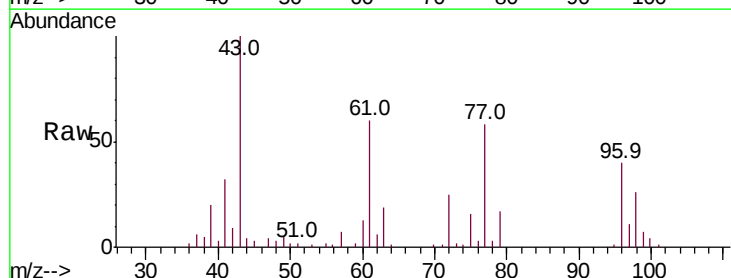
Acq: 7 Aug 2020 15:39

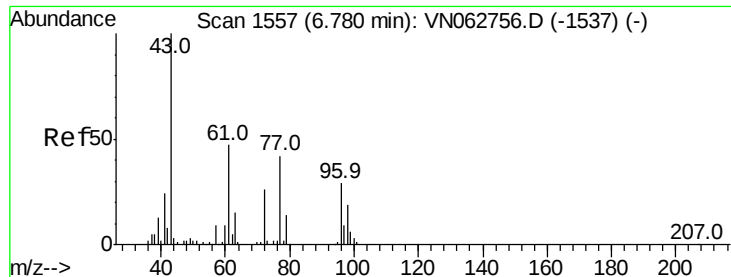
Tgt Ion: 77 Resp: 52272

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.174 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

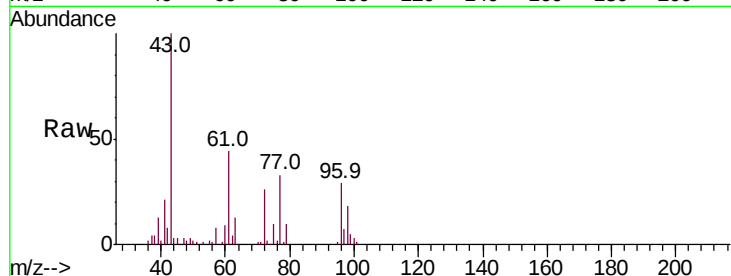
Tot Ion: 96 Resp: 35835

Ion Ratio Lower Upper

96 100

61 154.2 0.0 332.2

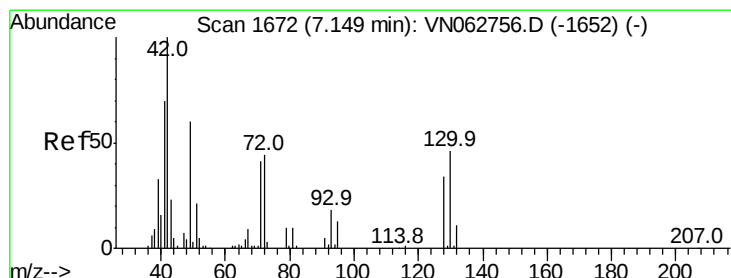
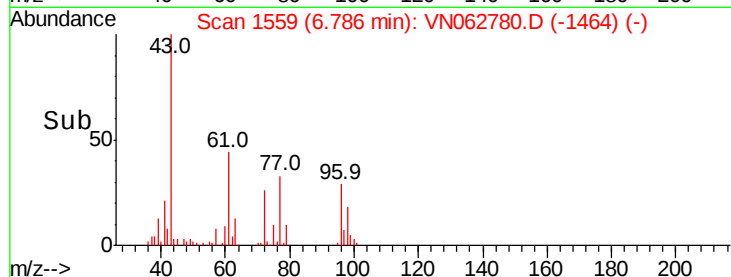
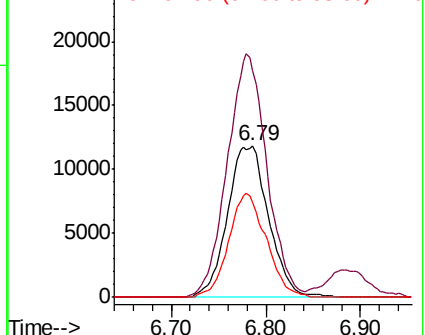
98 62.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.003 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

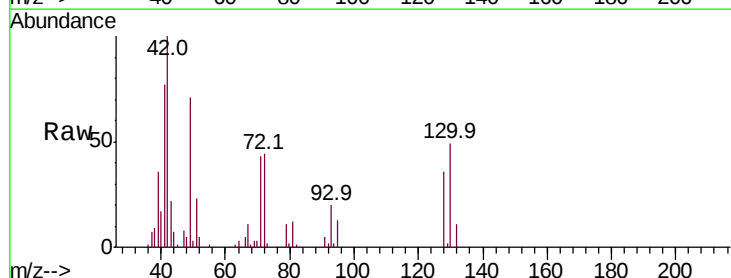
Tgt Ion: 49 Resp: 34634

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.2

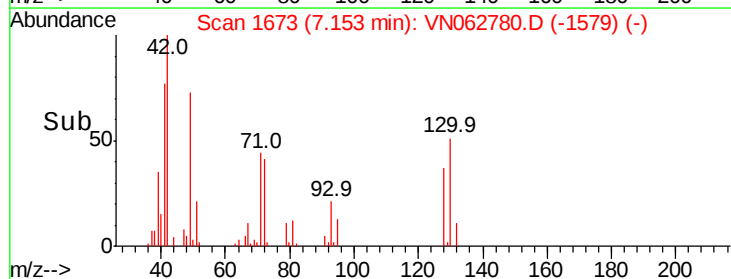
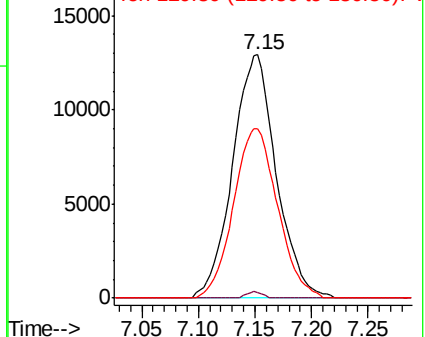
130 70.4 59.0 88.6

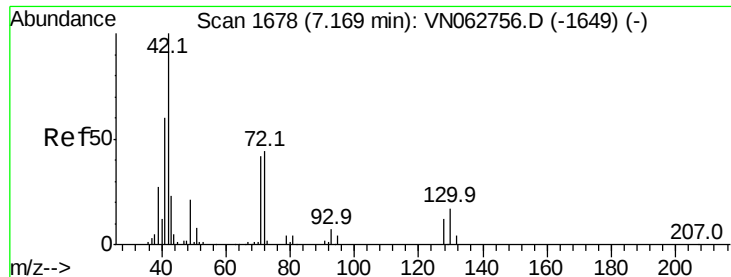


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 88.043 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

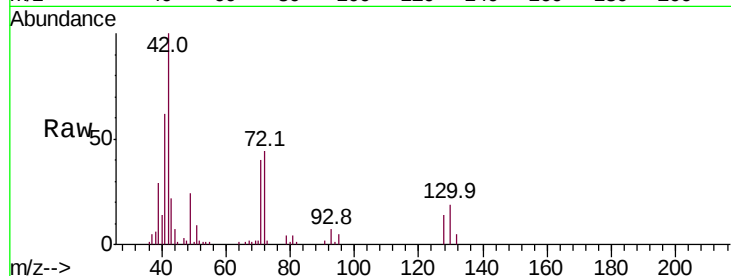
Tot Ion: 42 Resp: 79510

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

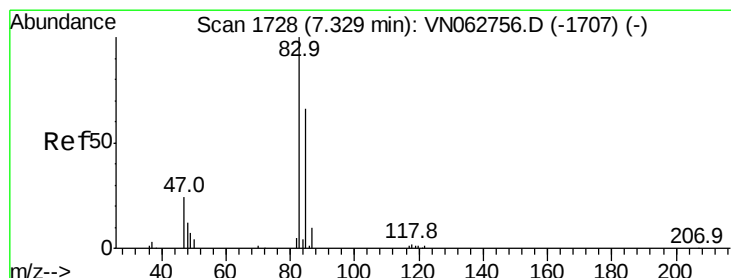
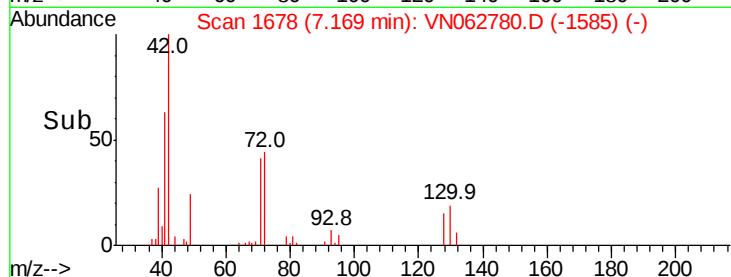
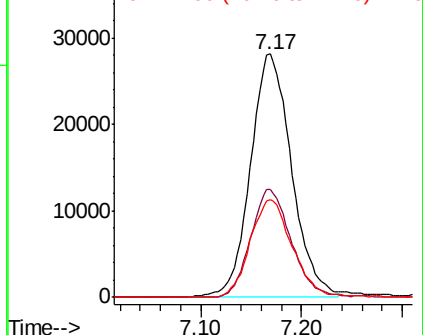
71 41.0 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 17.461 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062780.D

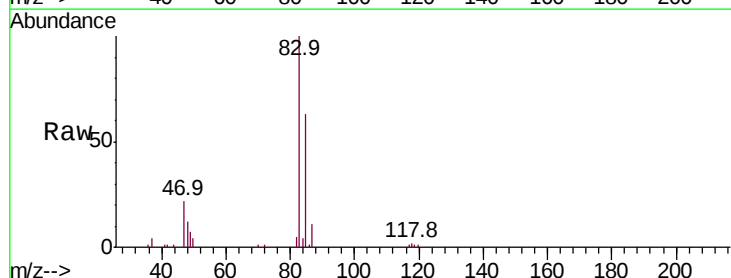
Acq: 7 Aug 2020 15:39

Tgt Ion: 83 Resp: 66570

Ion Ratio Lower Upper

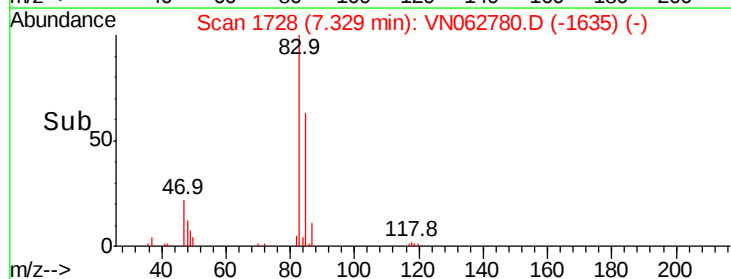
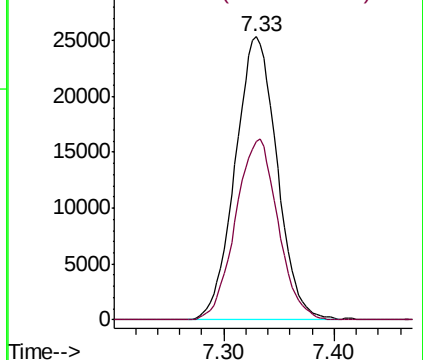
83 100

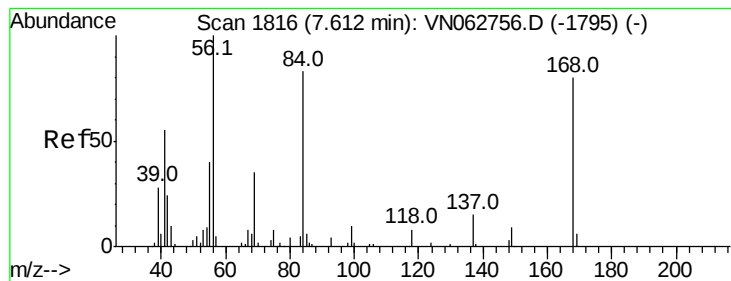
85 63.2 52.7 79.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.011 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

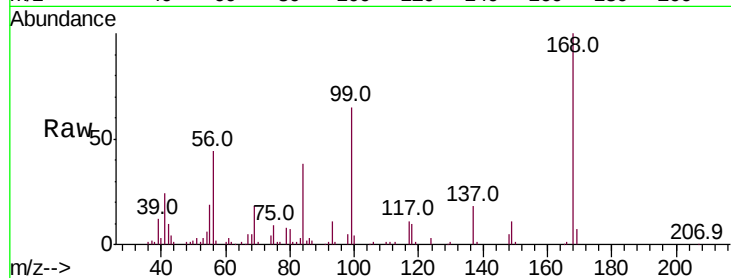
Tot Ion: 56 Resp: 59314

Ion Ratio Lower Upper

56 100

69 39.7 28.1 42.1

84 85.0 66.8 100.2

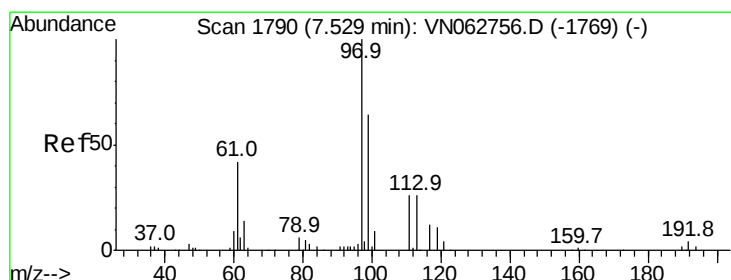
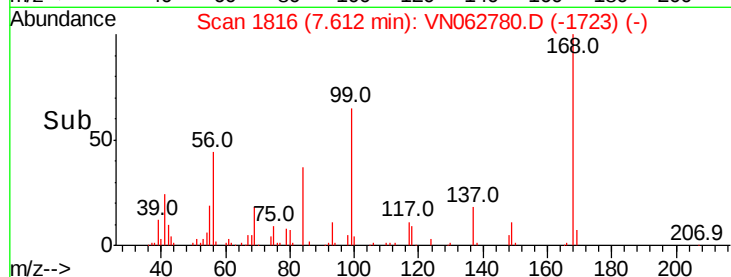
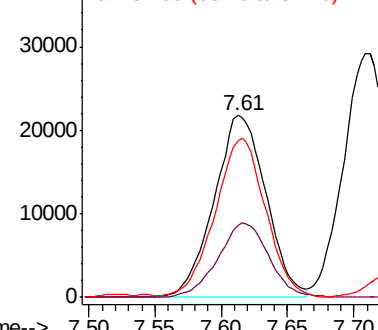


Abundance

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: 17.172 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

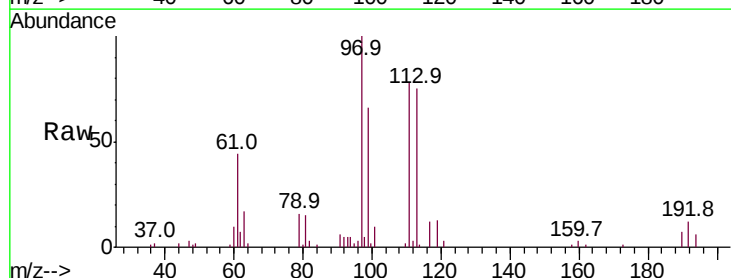
Tgt Ion: 97 Resp: 58536

Ion Ratio Lower Upper

97 100

99 64.1 50.0 75.0

61 46.1 34.8 52.2

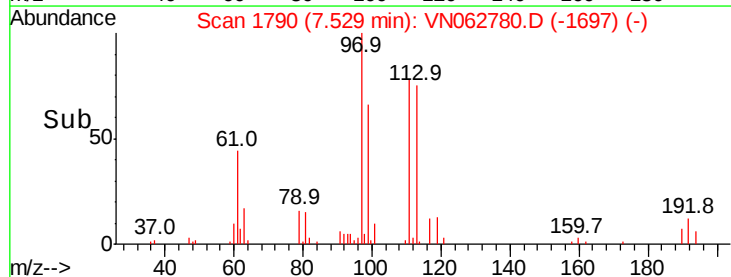
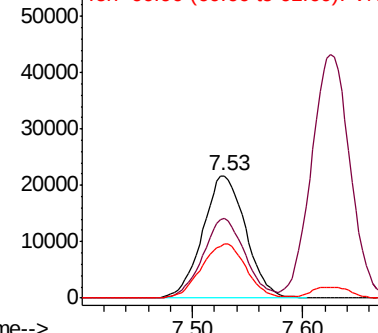


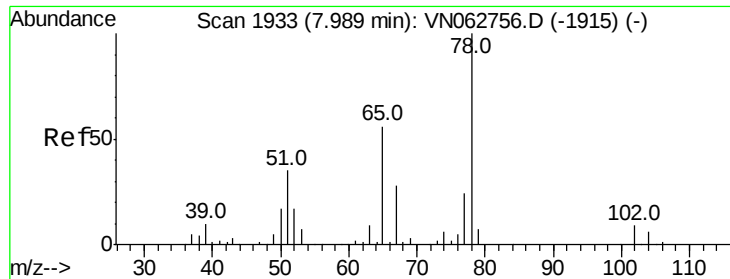
Abundance

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

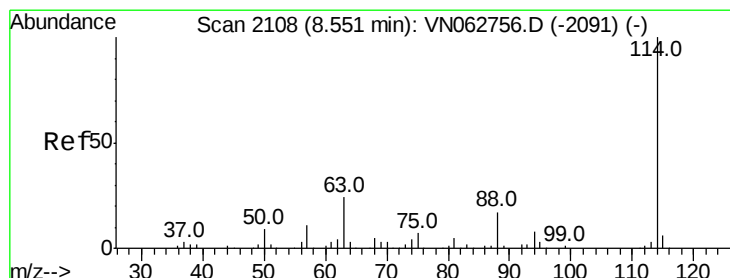
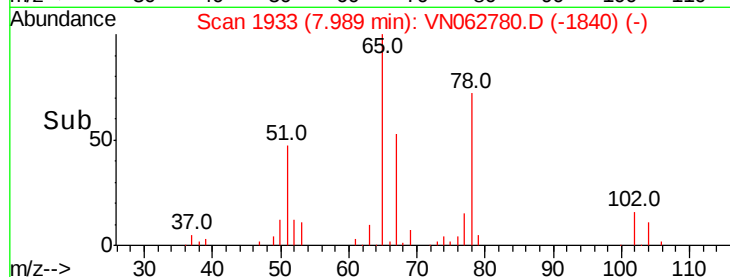
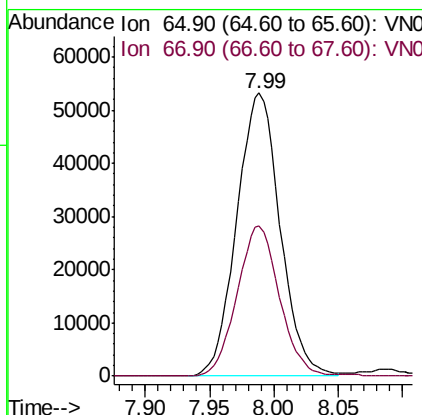
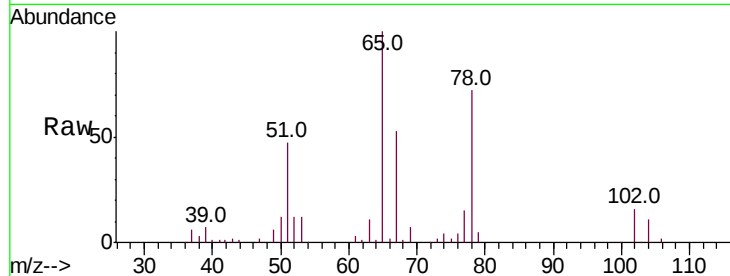




#33
 1,2-Dichloroethane-d4
 Concen: 45.914 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

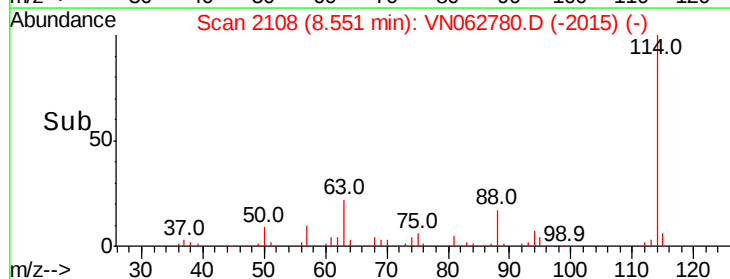
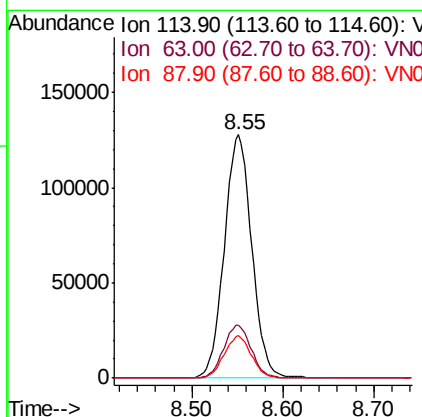
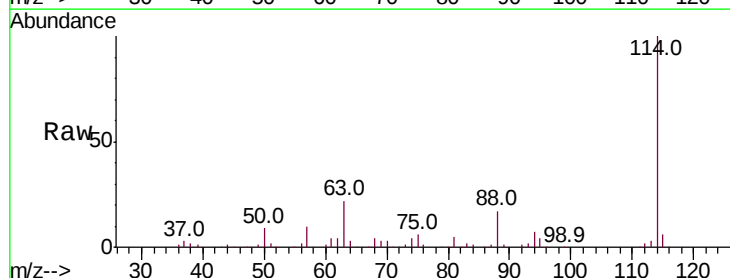
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

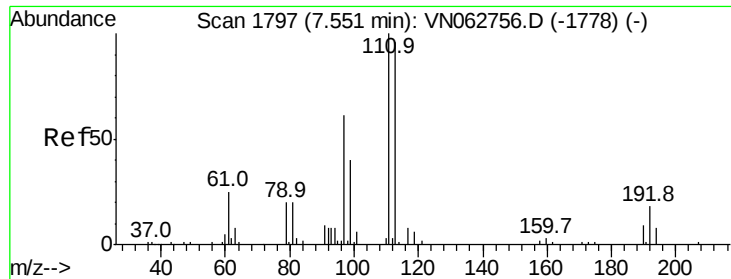
Tot Ion: 65 Resp: 124713
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 114 Resp: 267620
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.6
 88 17.3 0.0 34.4

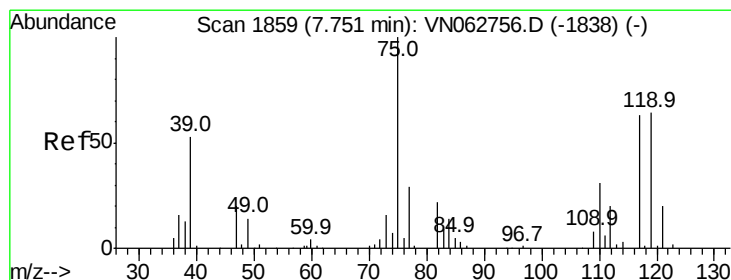
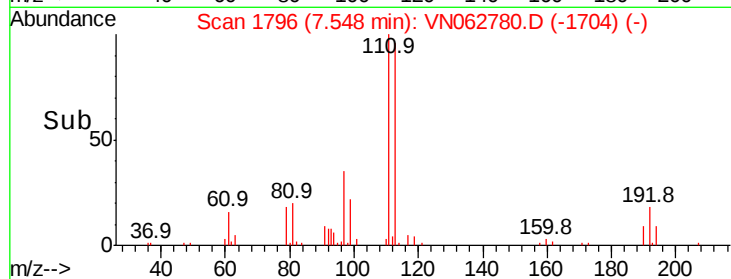
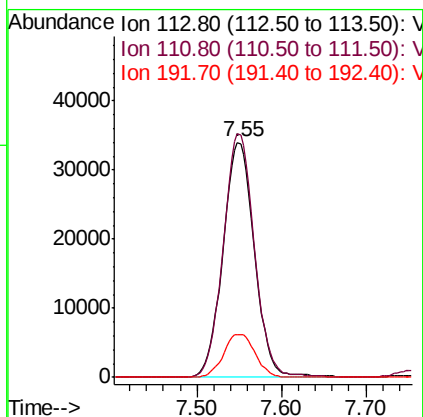
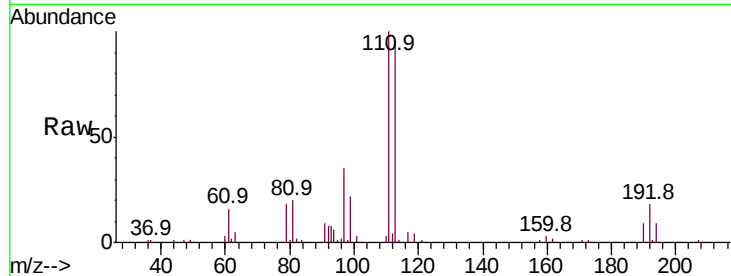




#35
 Dibromofluoromethane
 Concen: 48.152 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

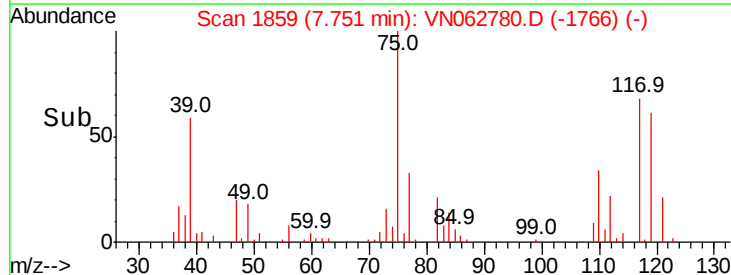
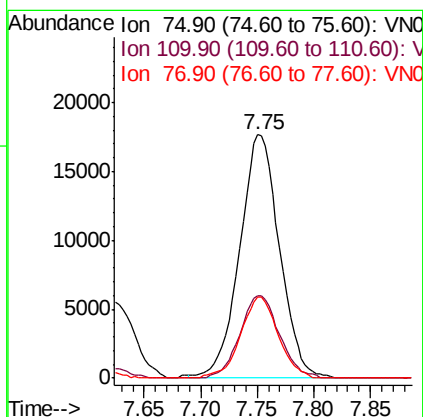
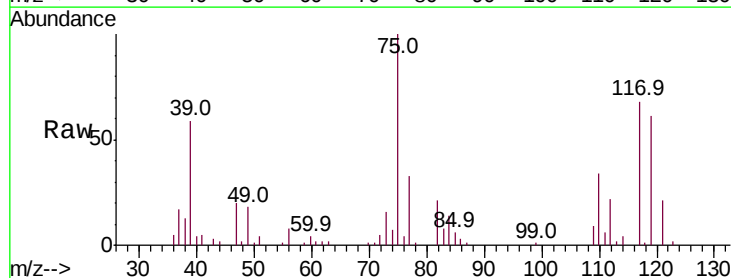
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

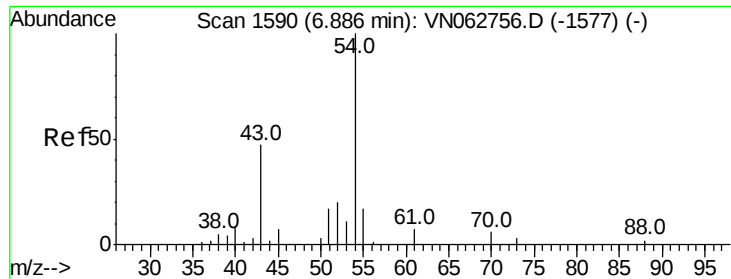
Tot Ion:113 Resp: 88151
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.6
 192 18.3 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 16.574 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 75 Resp: 43189
 Ion Ratio Lower Upper
 75 100
 110 33.5 15.6 46.7
 77 31.6 24.1 36.1

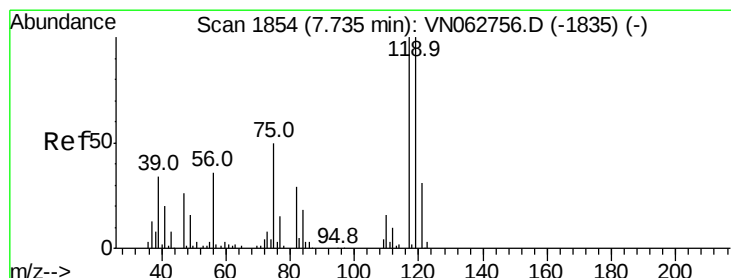
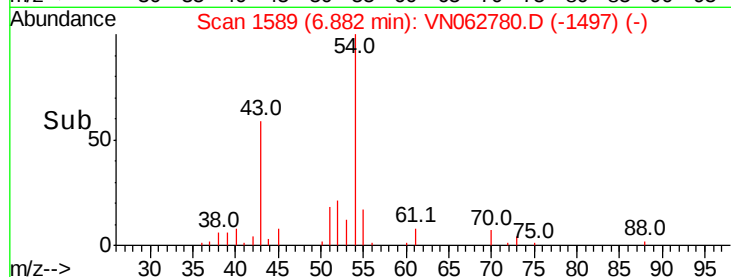
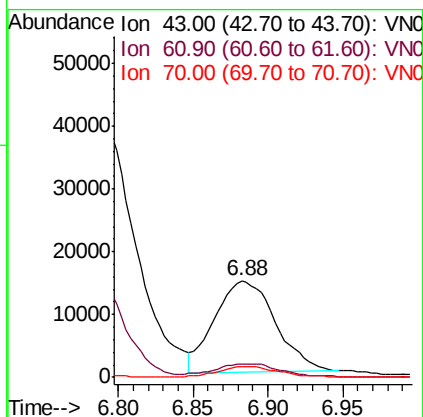
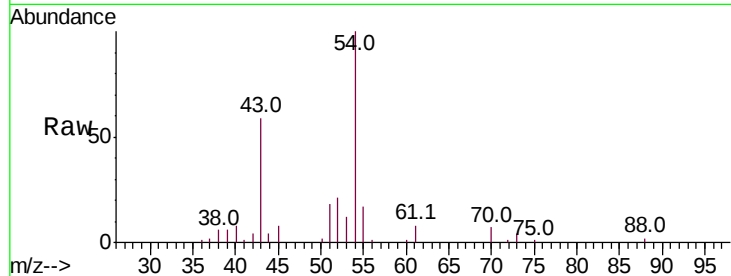




#37
Ethyl Acetate
Concen: 15.192 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

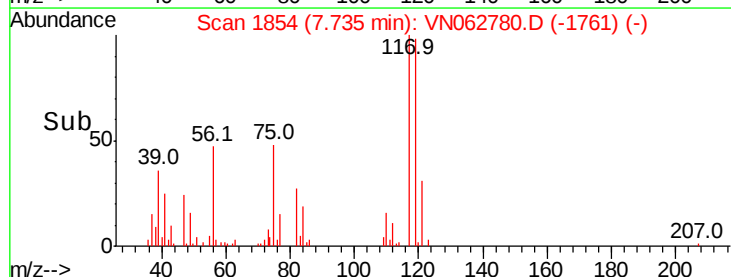
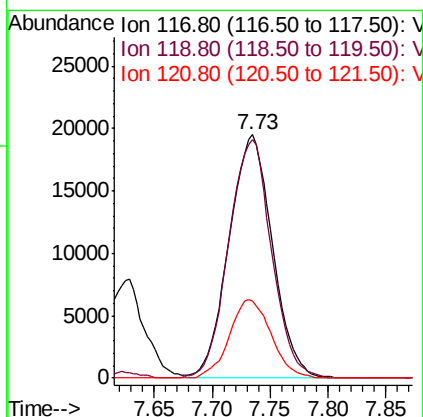
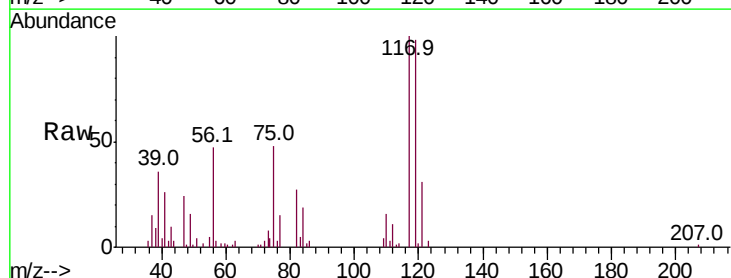
Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

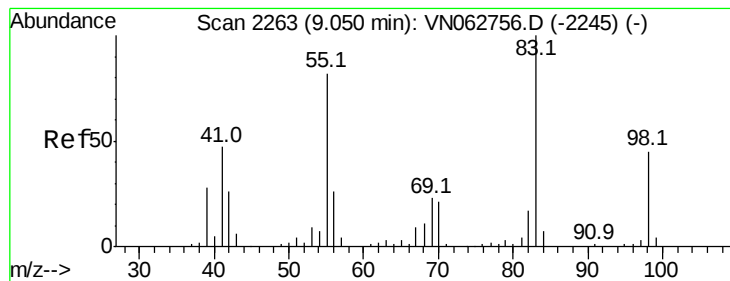
Tot Ion: 43 Resp: 41354
Ion Ratio Lower Upper
43 100
61 16.9 12.1 18.1
70 11.5 8.3 12.5



#38
Carbon Tetrachloride
Concen: 16.443 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 117 Resp: 50675
Ion Ratio Lower Upper
117 100
119 98.0 79.4 119.2
121 31.5 24.9 37.3





#39

Methvlcvclohexane

Concen: 16.863 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

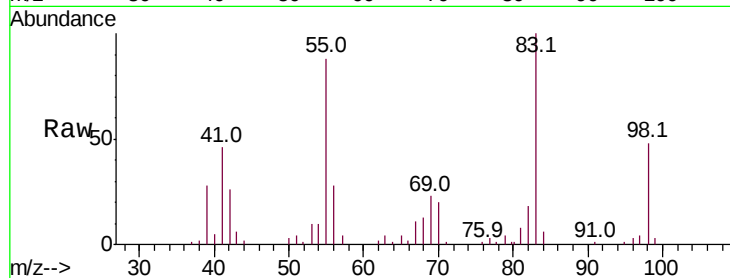
Tot Ion: 83 Resp: 52881

Ion Ratio Lower Upper

83 100

55 88.2 65.7 98.5

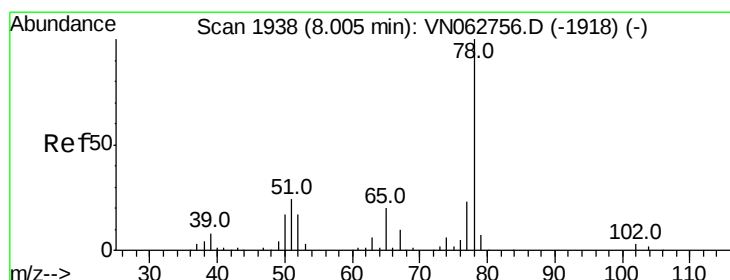
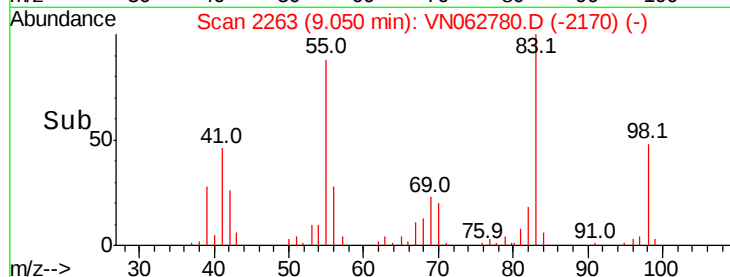
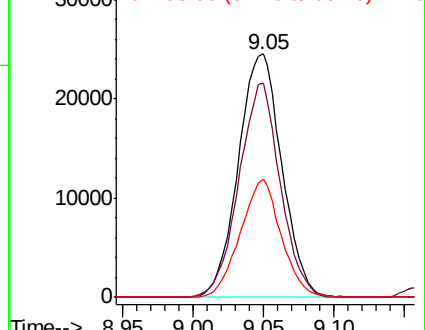
98 48.3 35.6 53.4



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: 17.203 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062780.D

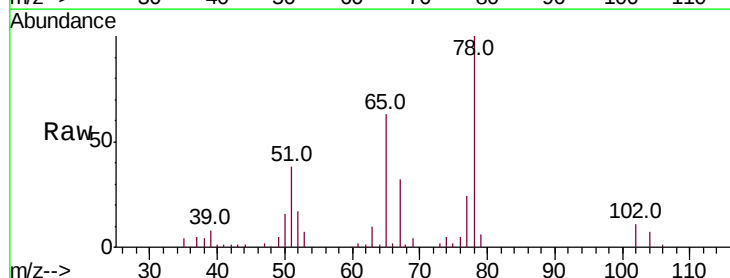
Acq: 7 Aug 2020 15:39

Tgt Ion: 78 Resp: 133766

Ion Ratio Lower Upper

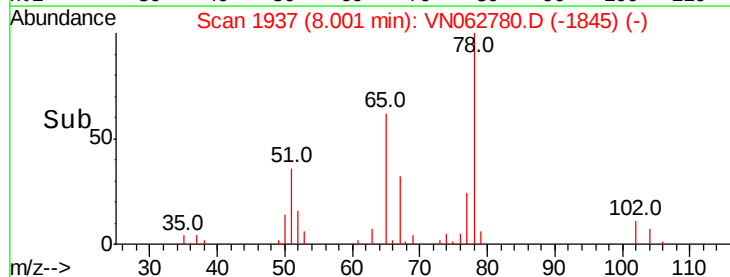
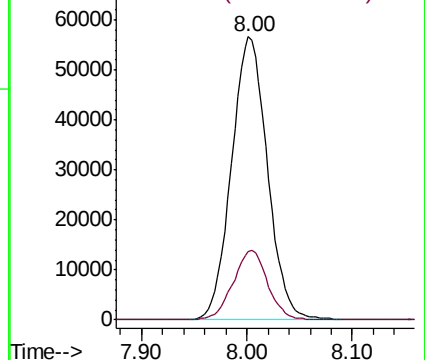
78 100

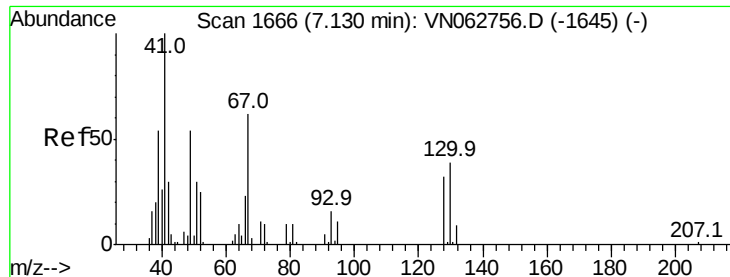
77 24.1 18.1 27.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

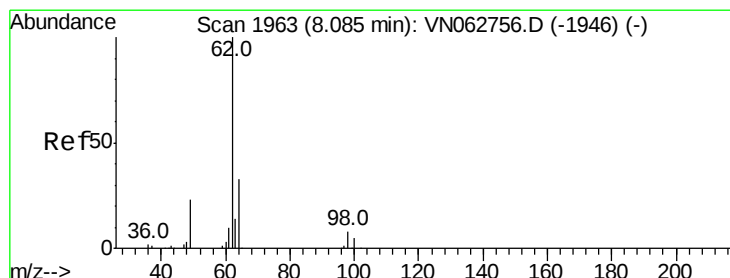
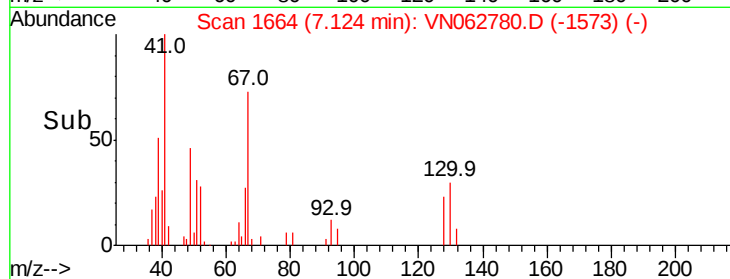
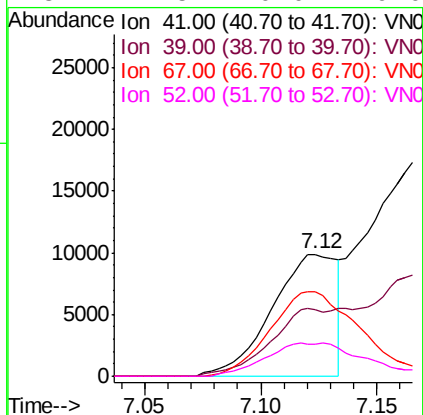
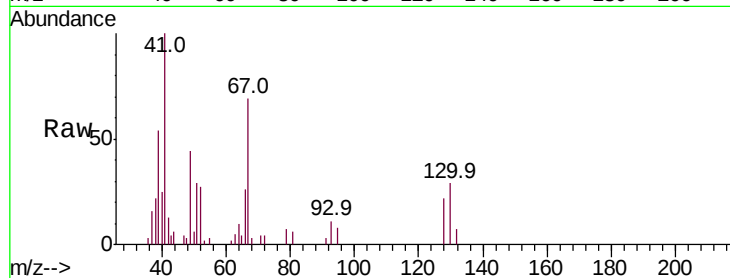




#41
Methacrylonitrile
Concen: 15.673 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

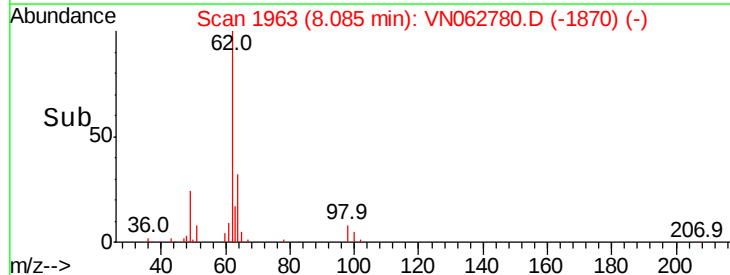
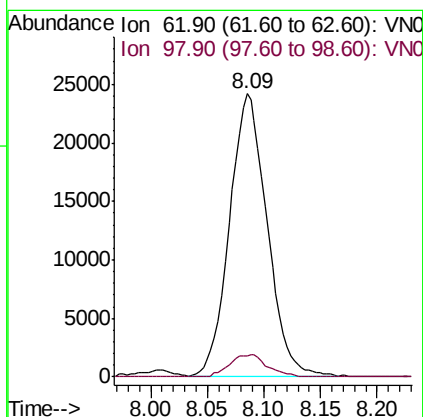
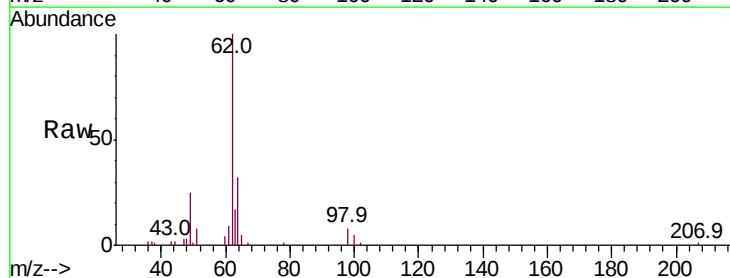
Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

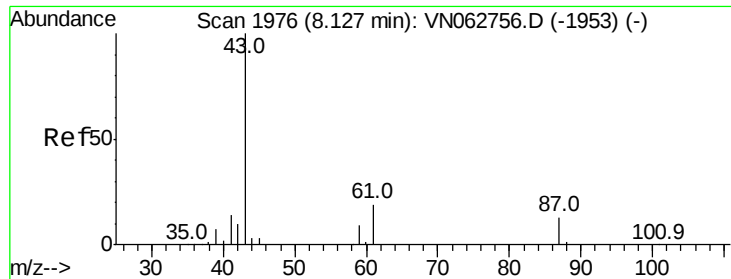
Tot Ion: 41 Resp: 19251
Ion Ratio Lower Upper
41 100
39 45.2 69.4 104.2#
67 97.6 0.0 0.0#
52 42.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 16.968 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 62 Resp: 56157
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8





#43

Isopropyl Acetate

Concen: 16.505 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

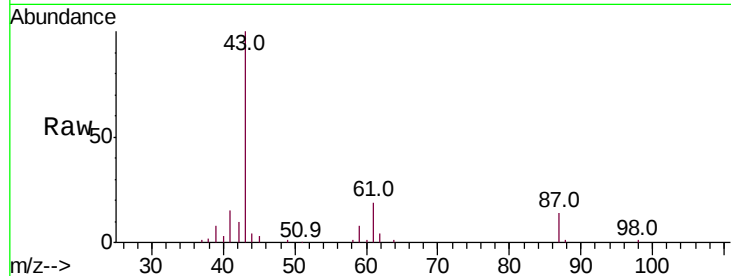
Tot Ion: 43 Resp: 74936

Ion Ratio Lower Upper

43 100

61 26.2 15.8 23.6#

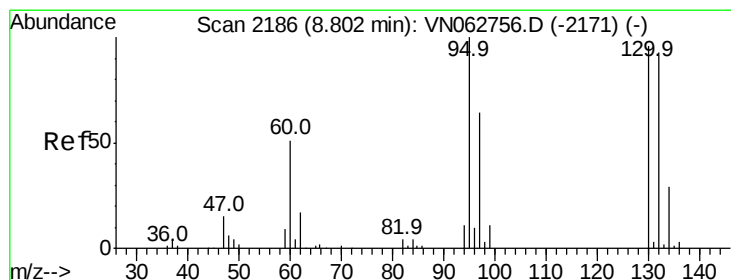
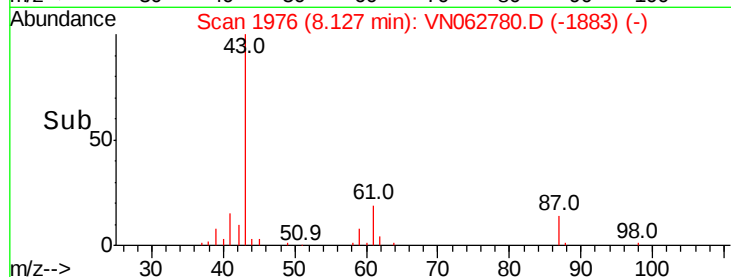
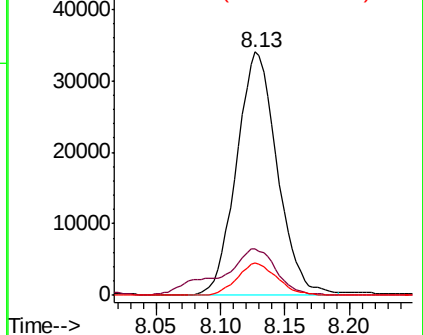
87 12.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 17.610 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062780.D

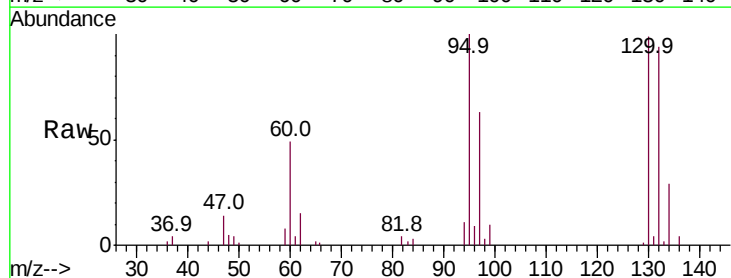
Acq: 7 Aug 2020 15:39

Tgt Ion:130 Resp: 33362

Ion Ratio Lower Upper

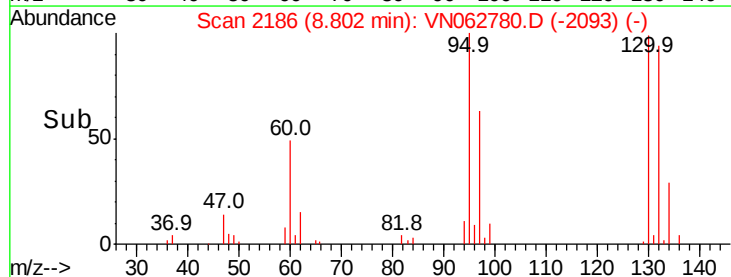
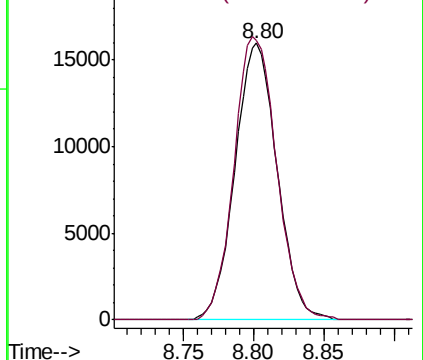
130 100

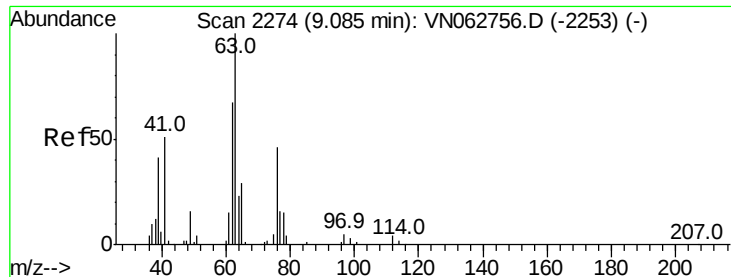
95 101.1 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 17.994 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

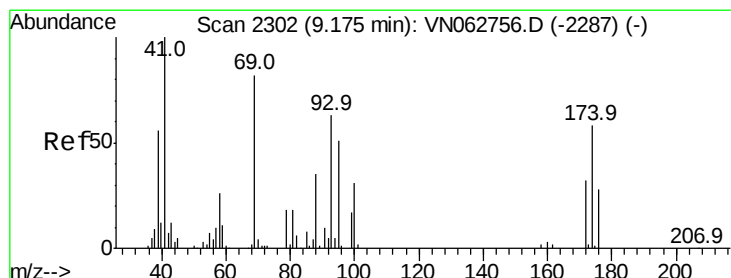
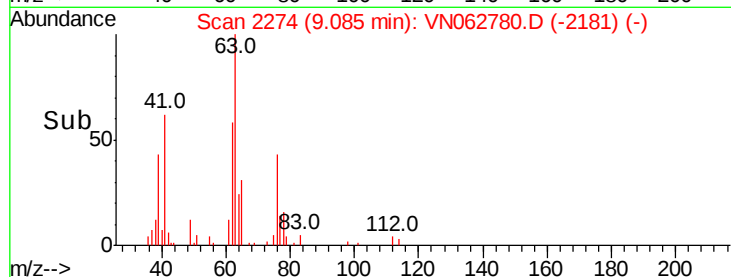
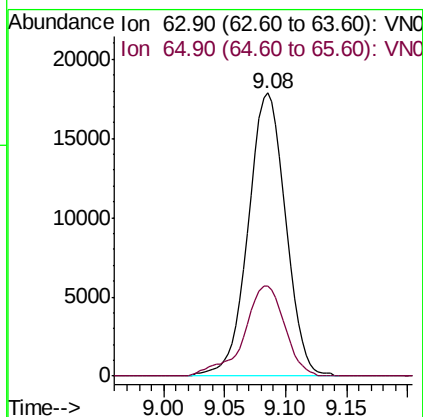
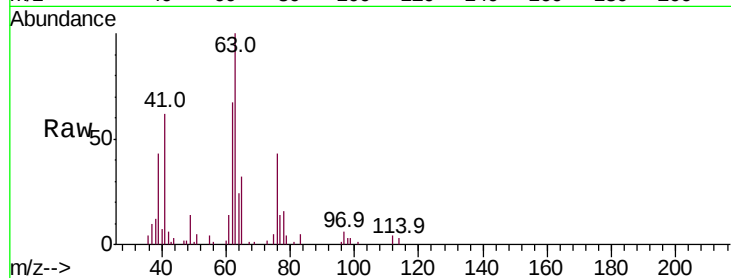
VN0807WBS01

Tot Ion: 63 Resp: 37870

Ion Ratio Lower Upper

63 100

65 31.7 23.5 35.3



#46

Dibromomethane

Concen: 17.688 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

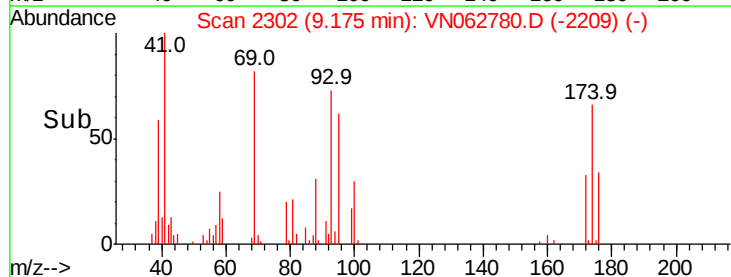
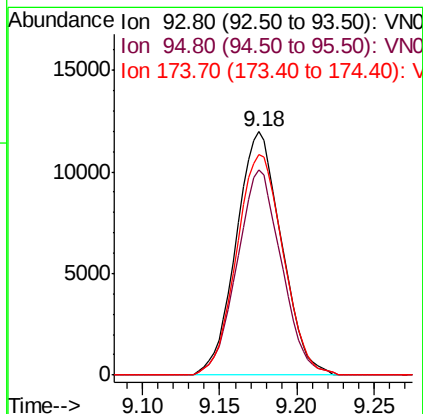
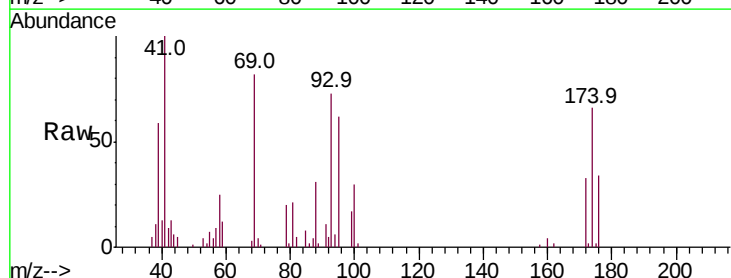
Tgt Ion: 93 Resp: 24391

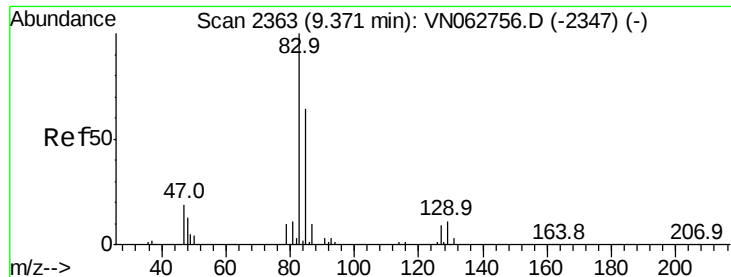
Ion Ratio Lower Upper

93 100

95 82.6 65.1 97.7

174 93.1 73.9 110.9





#47

Bromodichloromethane

Concen: 17.485 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

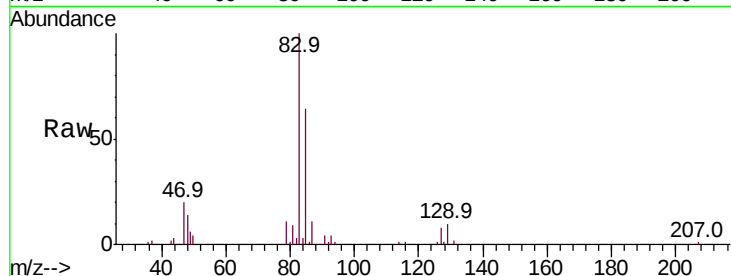
Tot Ion: 83 Resp: 54152

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.0

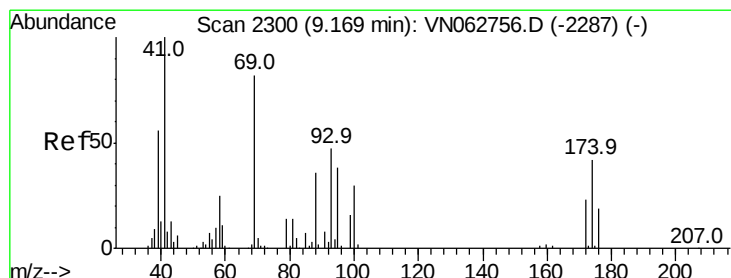
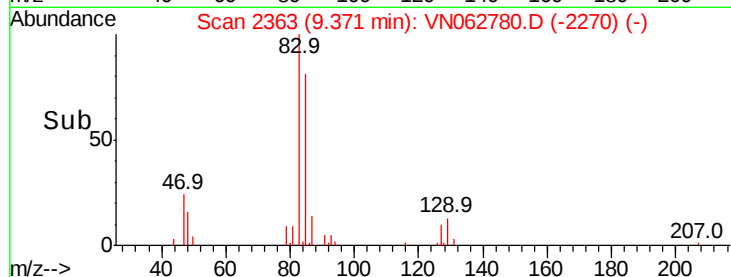
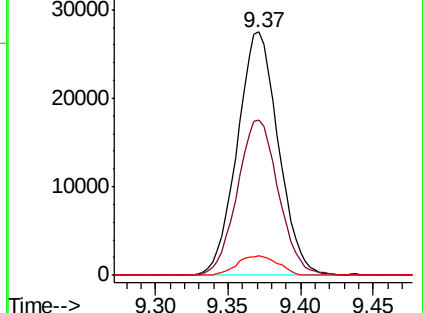
127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.707 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

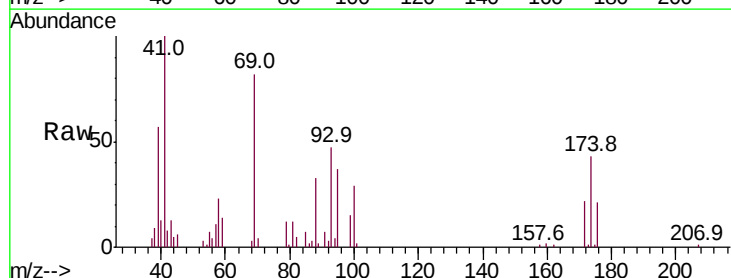
Tgt Ion: 41 Resp: 37310

Ion Ratio Lower Upper

41 100

69 84.3 67.4 101.2

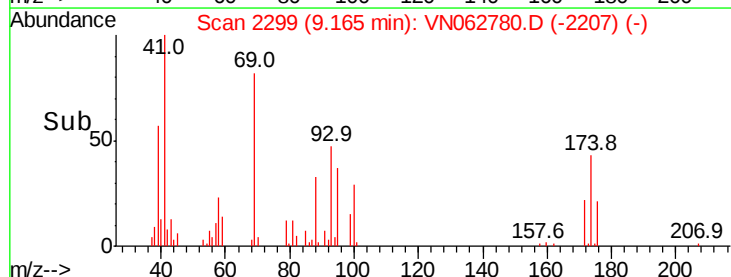
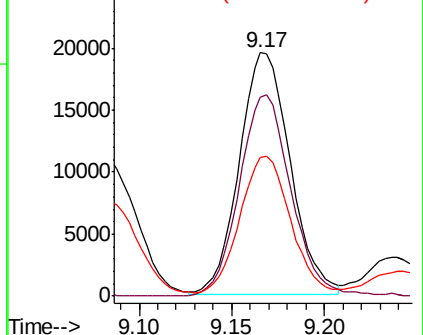
39 58.5 47.6 71.4

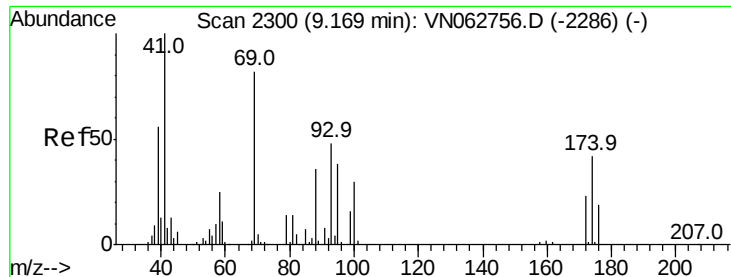


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 319.331 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

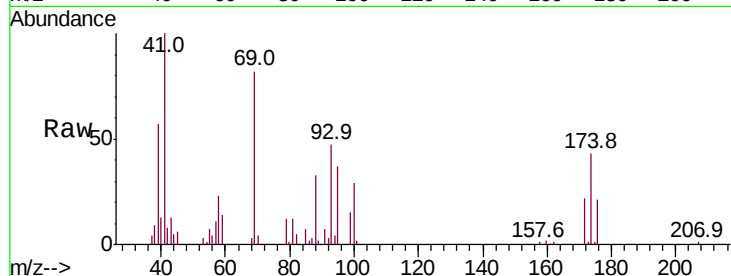
Tot Ion: 88 Resp: 13214

Ion Ratio Lower Upper

88 100

43 40.7 29.5 44.3

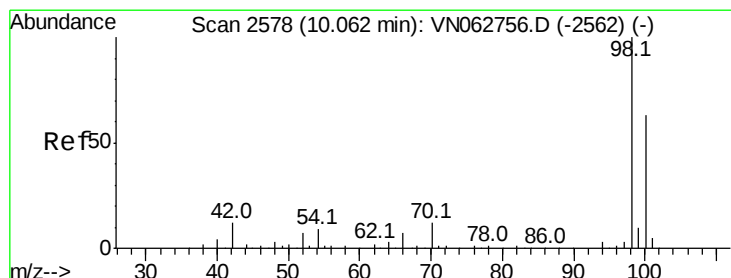
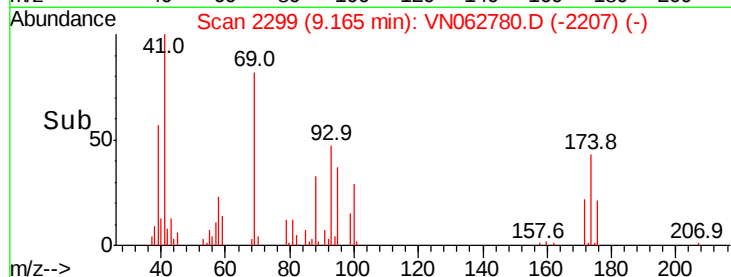
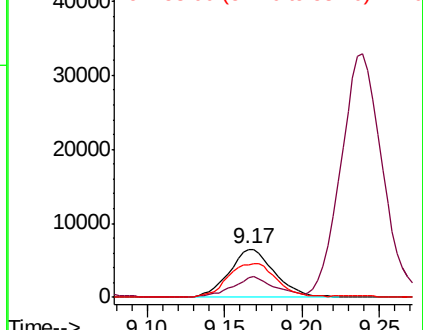
58 75.2 59.8 89.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.667 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062780.D

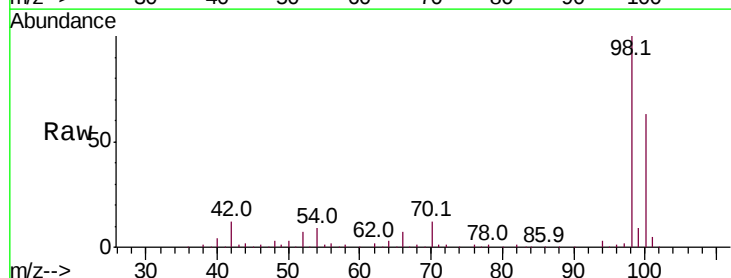
Acq: 7 Aug 2020 15:39

Tgt Ion: 98 Resp: 333533

Ion Ratio Lower Upper

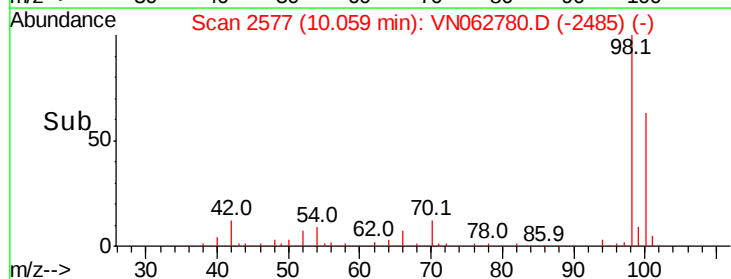
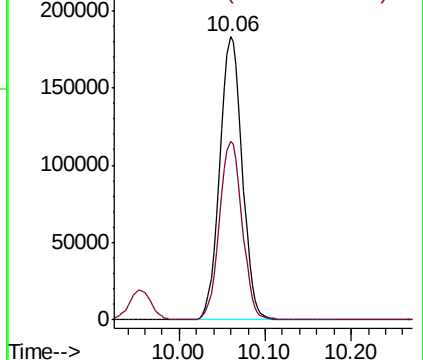
98 100

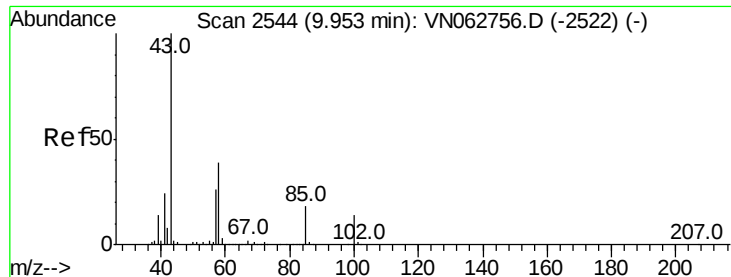
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

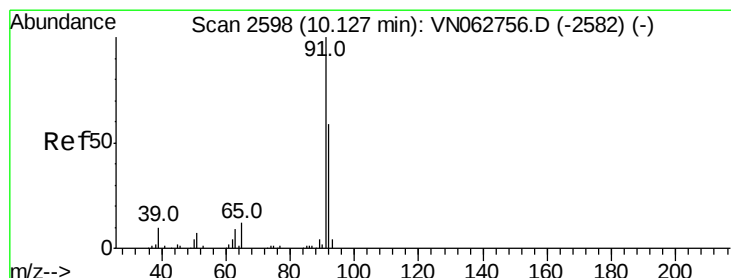
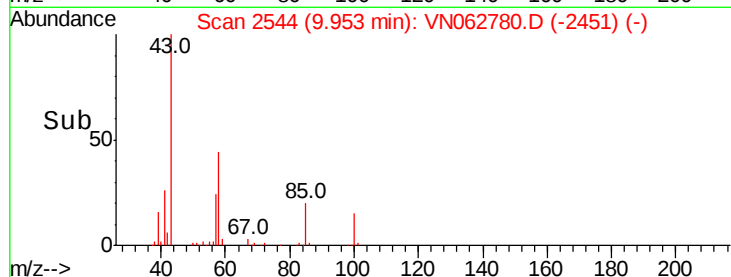
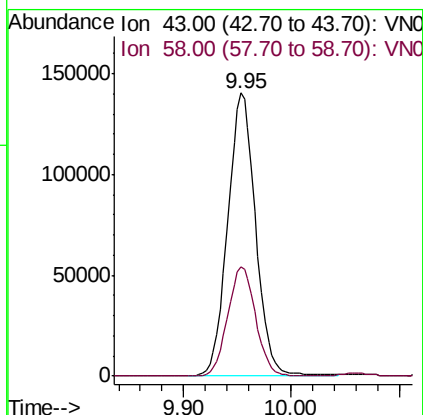
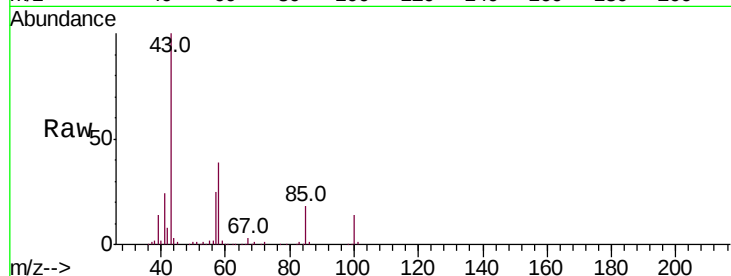




#51
 4-Methyl-2-Pentanone
 Concen: 86.501 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

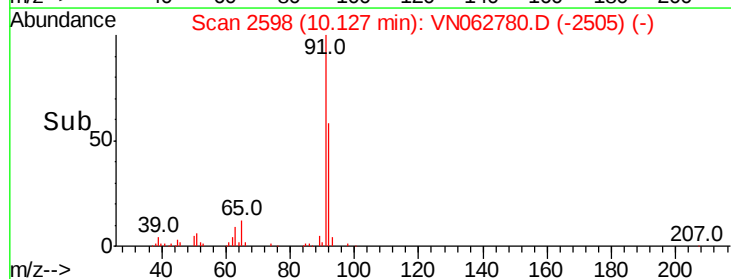
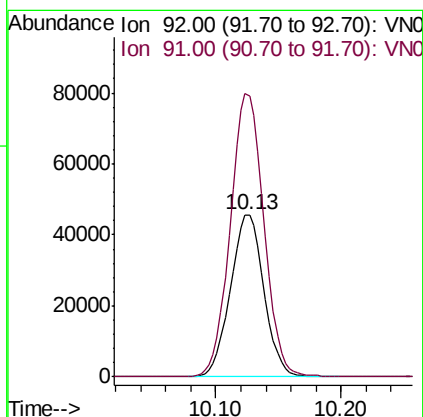
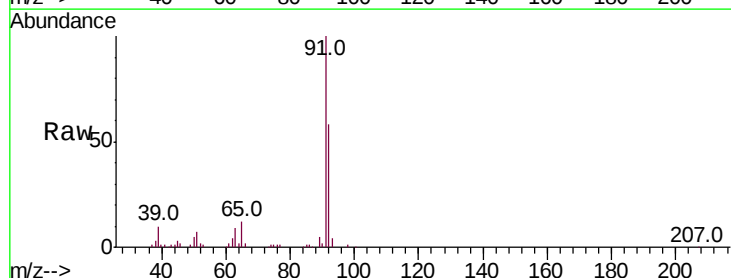
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

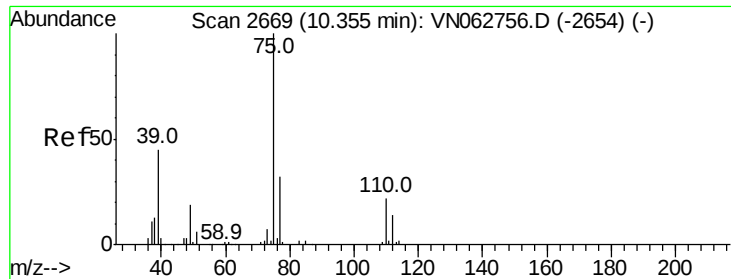
Tot Ion: 43 Resp: 254108
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.1 46.7



#52
 Toluene
 Concen: 17.557 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 92 Resp: 84290
 Ion Ratio Lower Upper
 92 100
 91 175.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 16.318 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

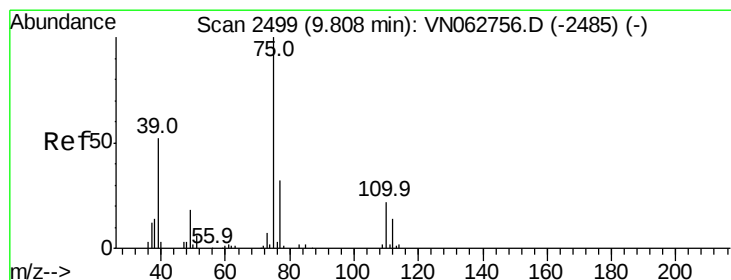
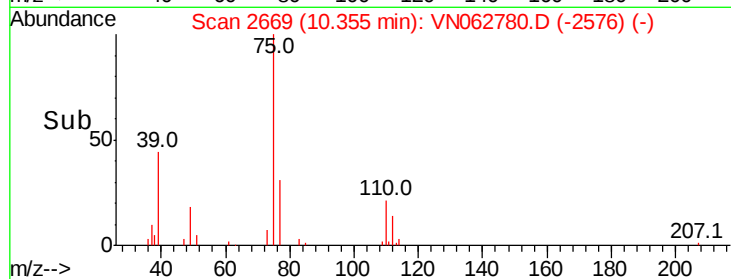
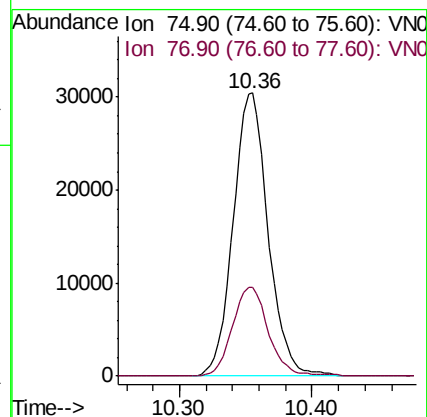
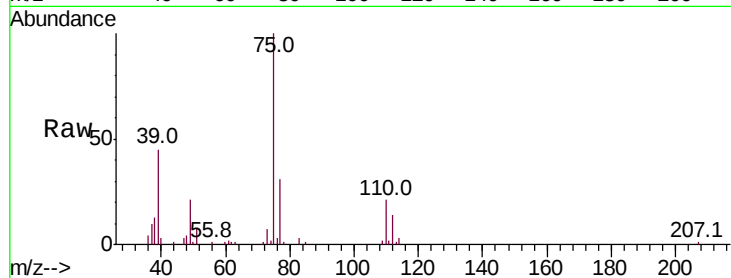
VN0807WBS01

Tot Ion: 75 Resp: 55589

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.247 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

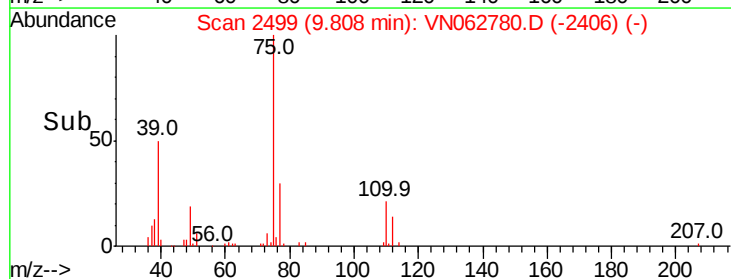
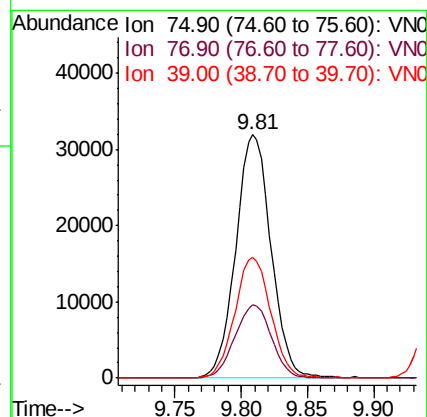
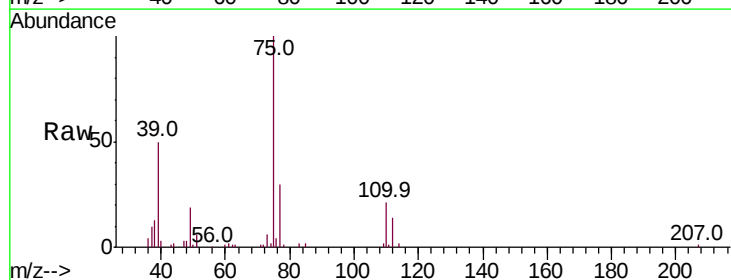
Tgt Ion: 75 Resp: 58991

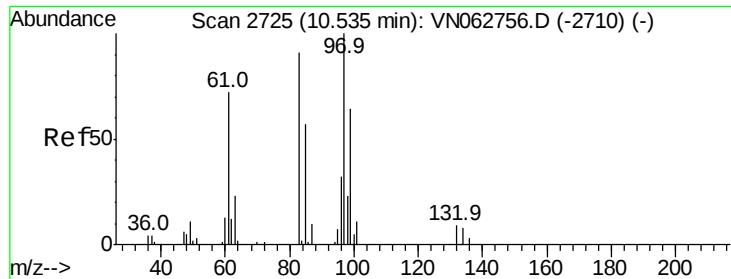
Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3

39 49.7 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 17.456 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

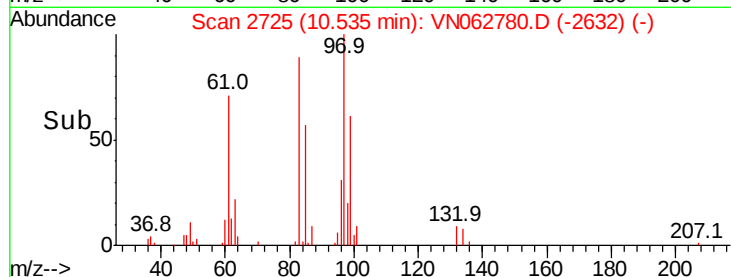
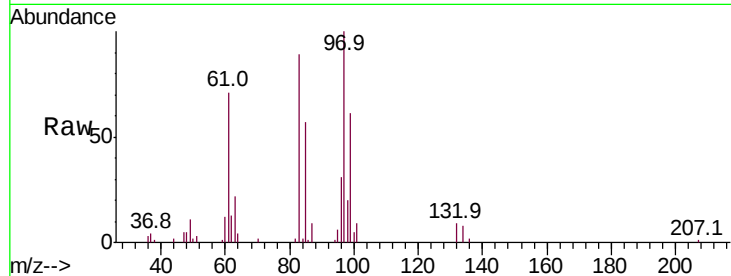
MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 97 Resp: 35793

Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.6	108.8
85	56.9	46.0	69.0
99	61.0	51.1	76.7

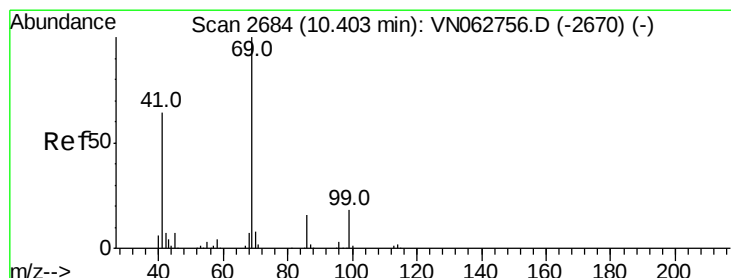


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 16.906 ug/l

RT: 10.40 min Scan# 2683

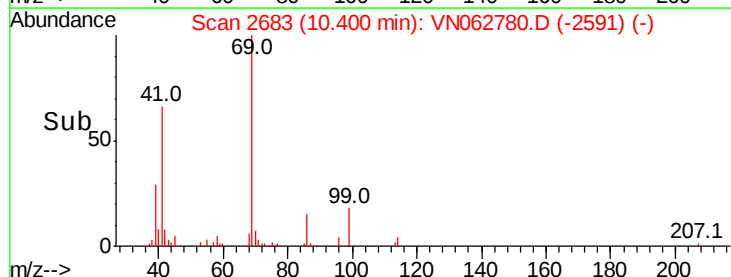
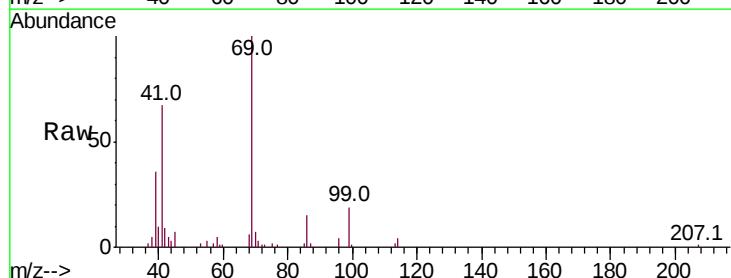
Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Tgt Ion: 69 Resp: 52179

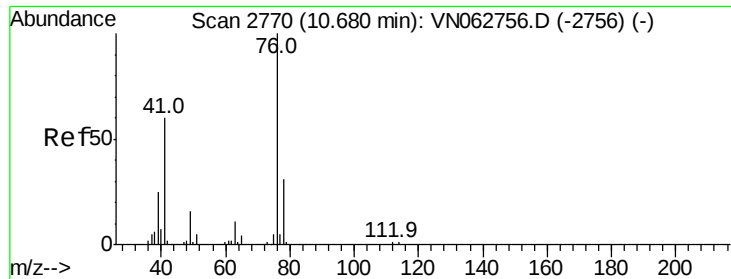
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.2	78.2
39	36.9	30.9	46.3



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 17.211 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

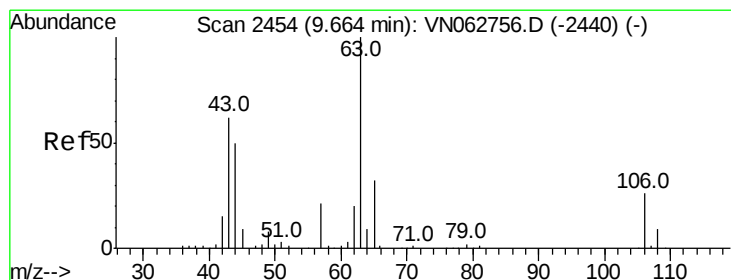
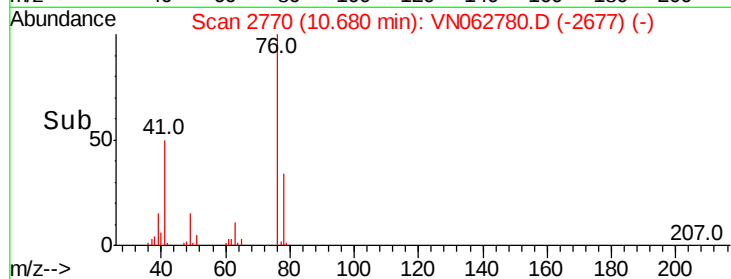
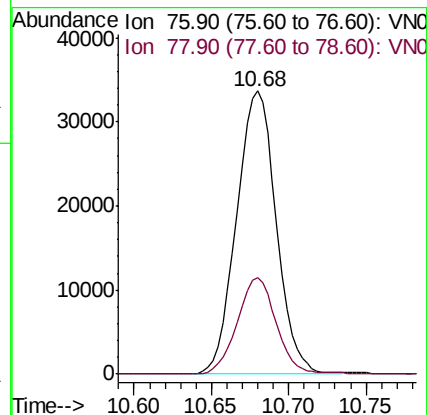
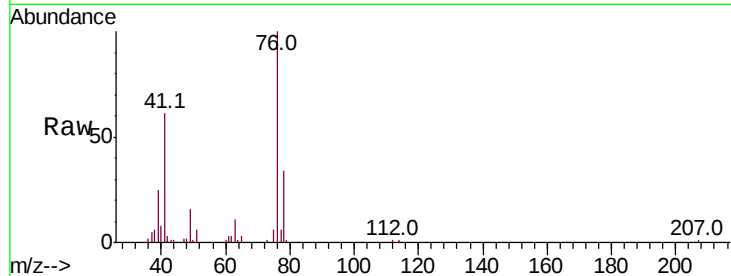
VN0807WBS01

Tot Ion: 76 Resp: 59965

Ion Ratio Lower Upper

76 100

78 33.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 77.477 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062780.D

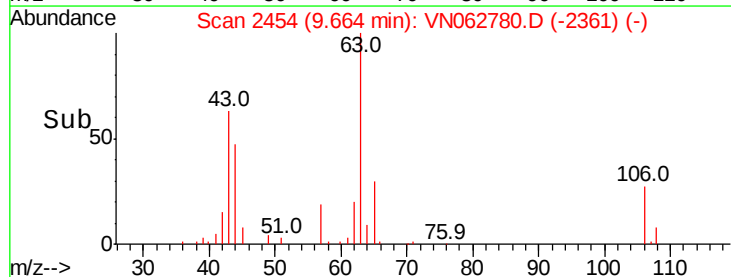
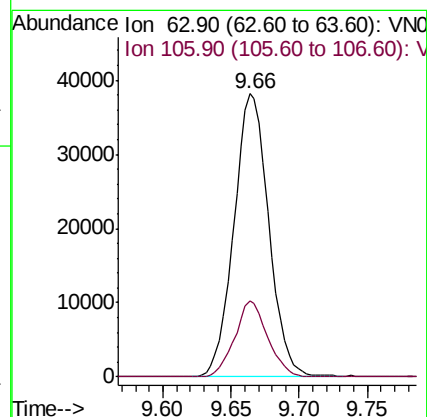
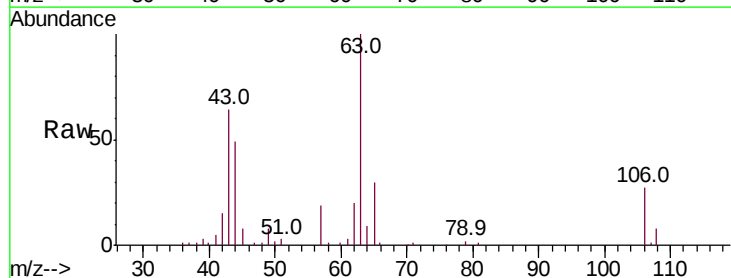
Acq: 7 Aug 2020 15:39

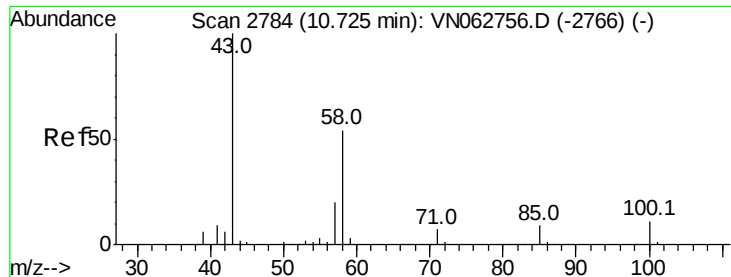
Tgt Ion: 63 Resp: 67592

Ion Ratio Lower Upper

63 100

106 25.3 20.9 31.3

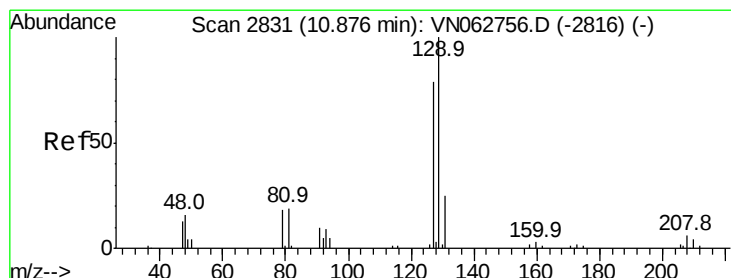
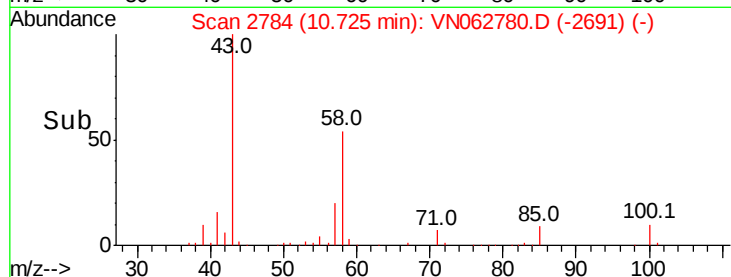
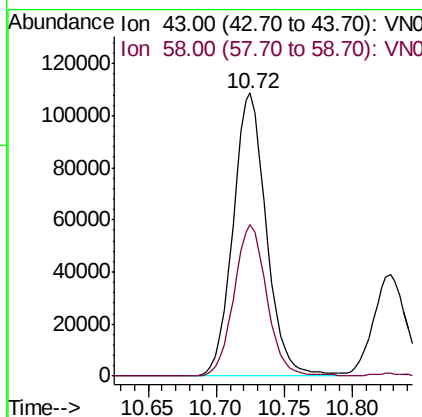
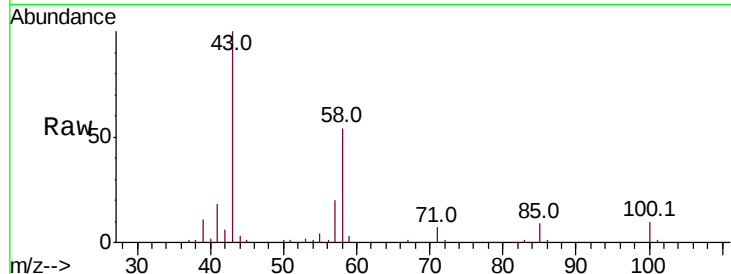




#59
2-Hexanone
Concen: 83.486 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

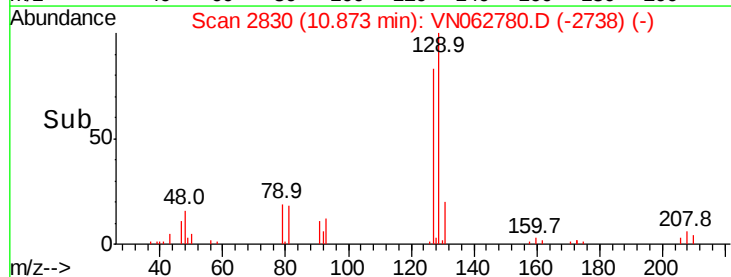
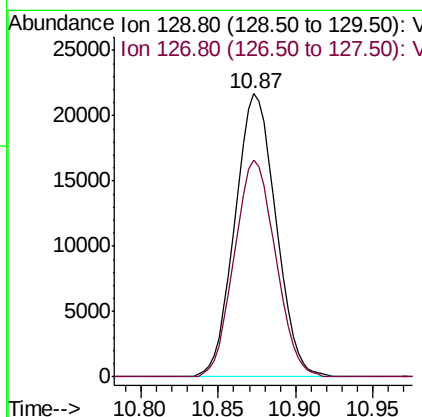
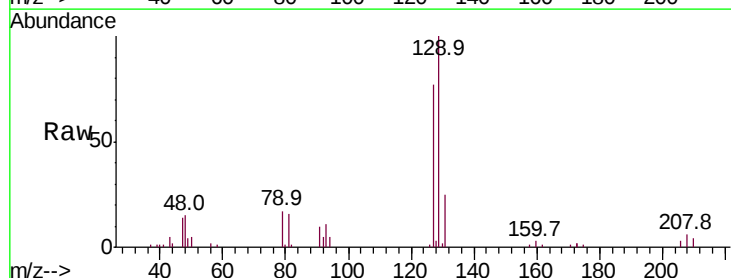
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

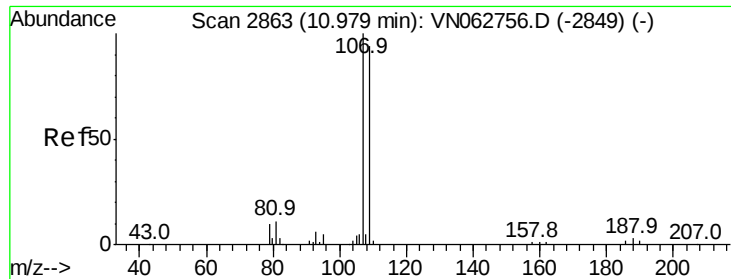
Tot Ion: 43 Resp: 182945
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1



#60
Dibromochloromethane
Concen: 17.111 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 129 Resp: 40039
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2

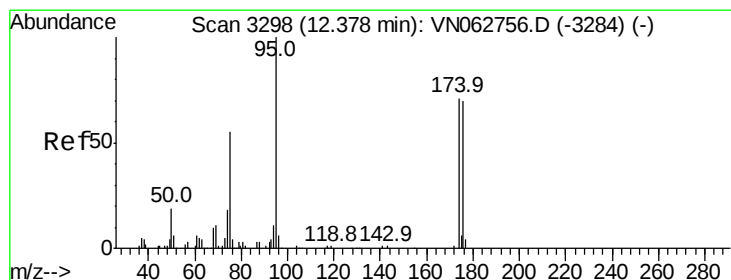
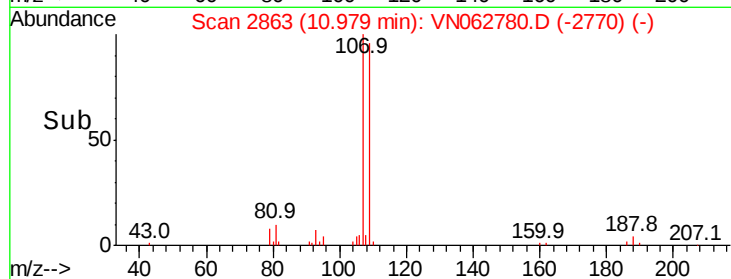
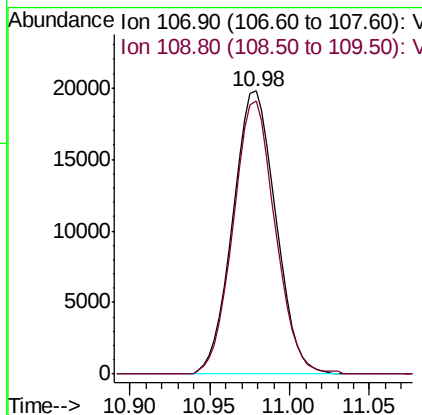
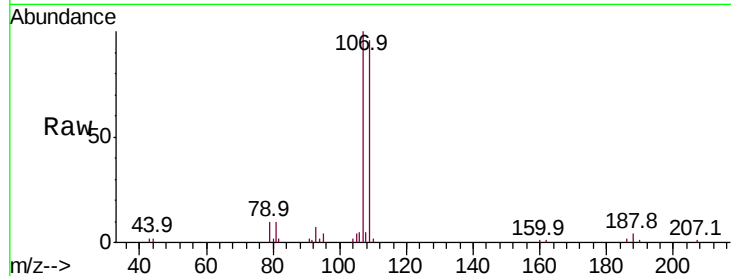




#61
 1,2-Dibromoethane
 Concen: 17.905 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

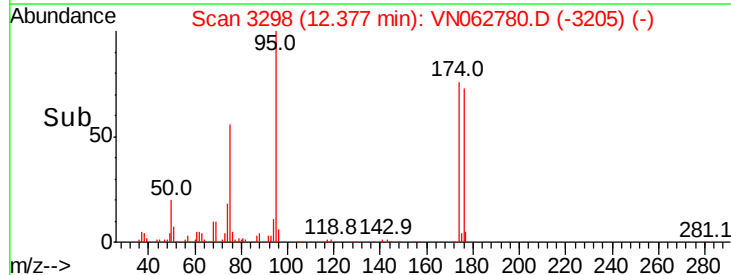
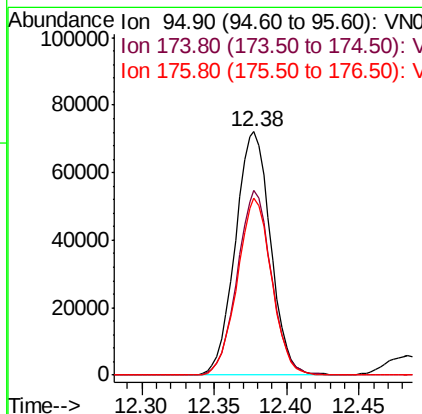
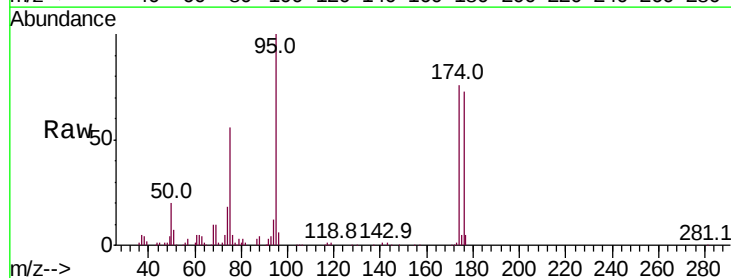
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

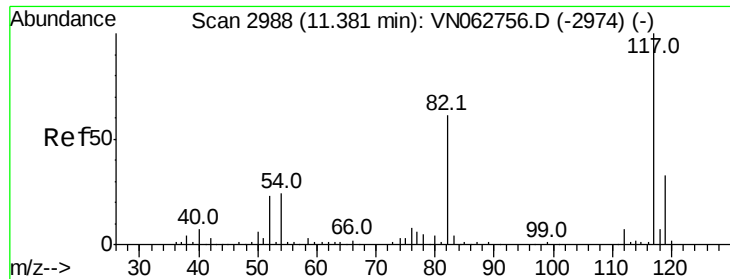
Tot Ion:107 Resp: 36227
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 45.078 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 95 Resp: 121750
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 144.8
 176 71.0 0.0 142.2

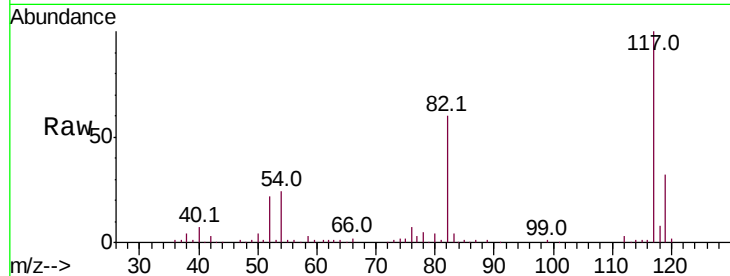




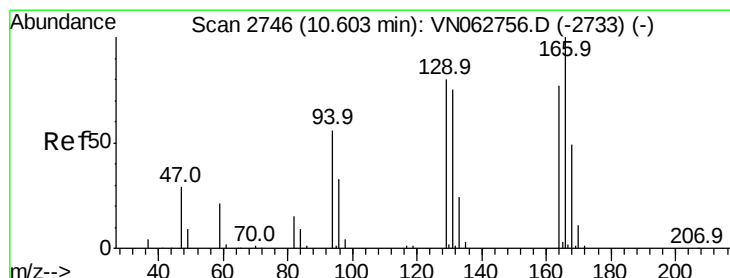
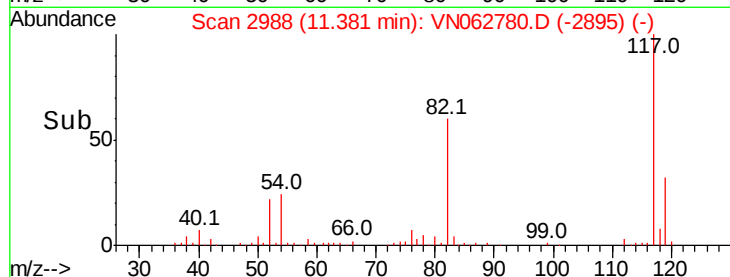
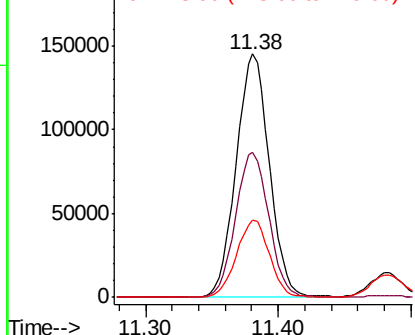
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion:117 Resp: 252745
Ion Ratio Lower Upper
117 100
82 59.8 49.0 73.4
119 31.6 26.2 39.2

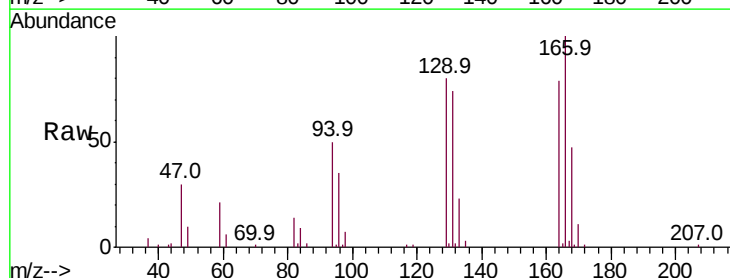


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

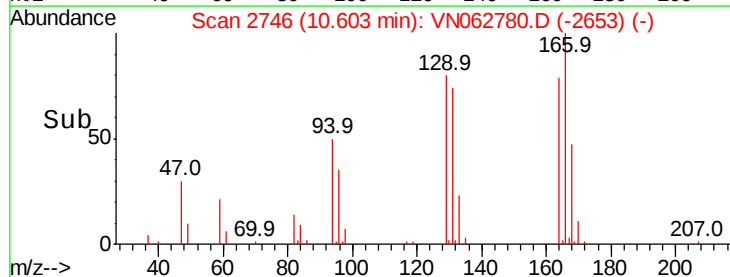
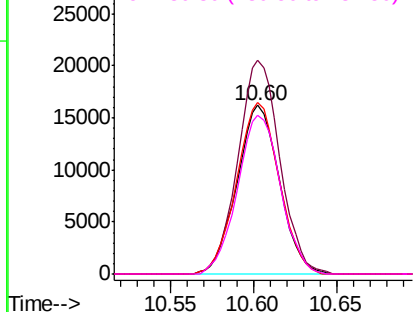


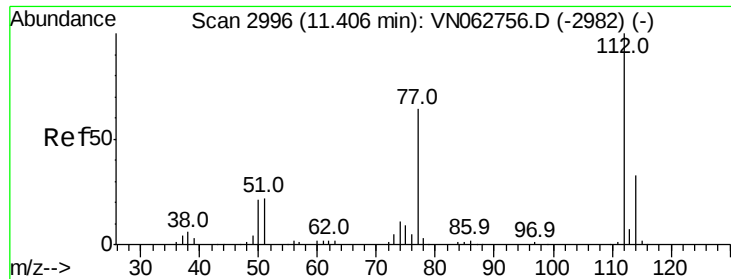
#64
Tetrachloroethene
Concen: 17.646 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion:164 Resp: 28776
Ion Ratio Lower Upper
164 100
166 126.7 103.8 155.8
129 101.5 82.7 124.1
131 93.8 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

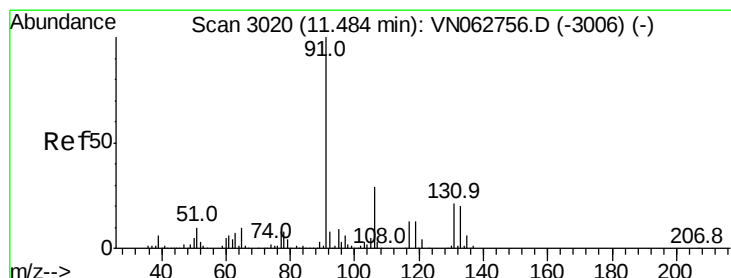
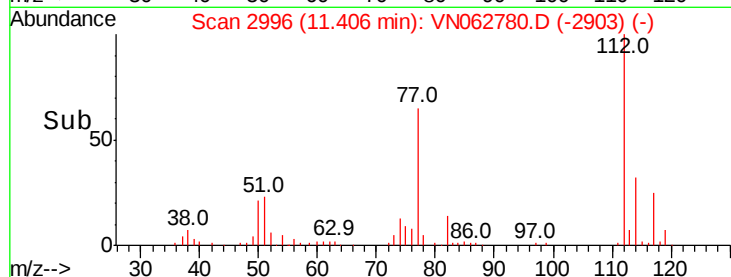
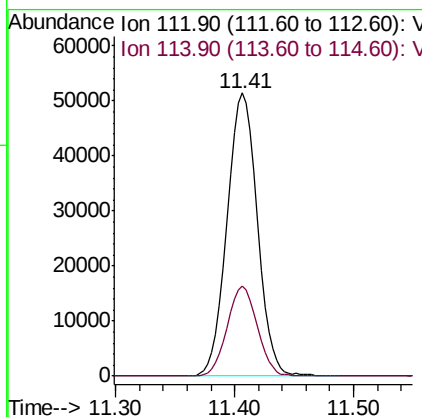
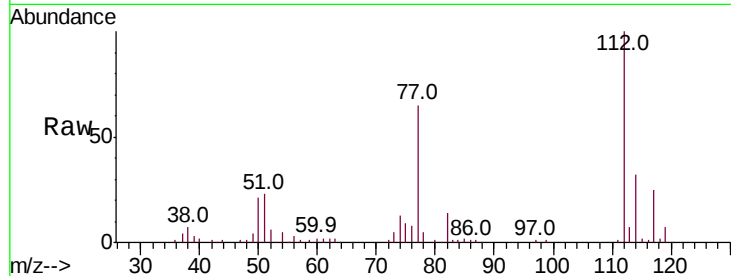




#65
Chlorobenzene
Concen: 17.212 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

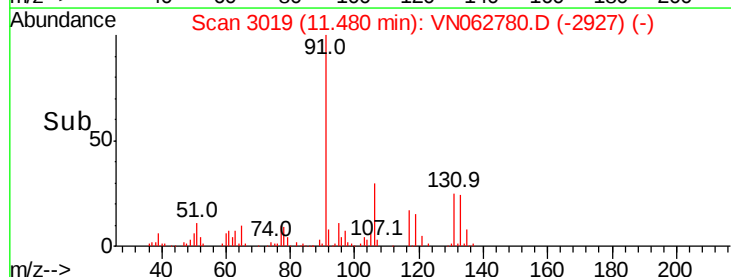
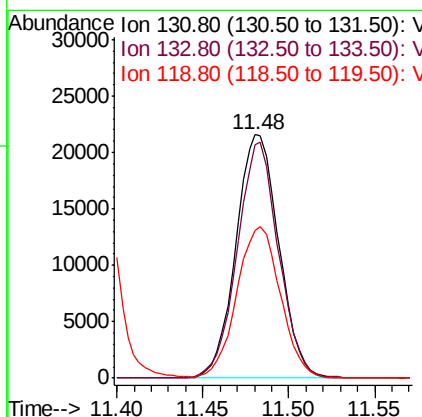
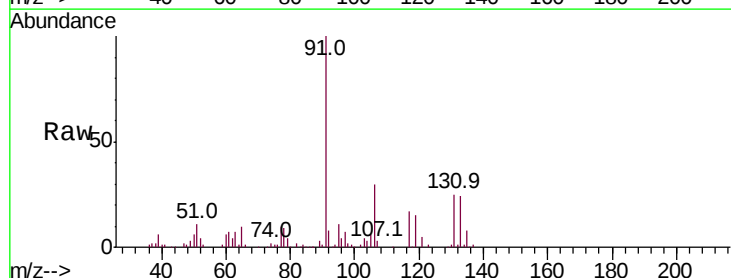
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

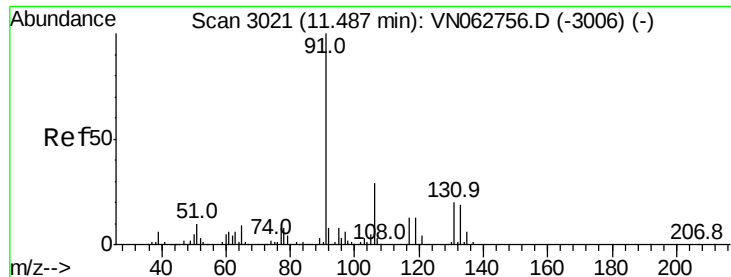
Tot Ion:112 Resp: 90935
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 17.621 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion:131 Resp: 37385
Ion Ratio Lower Upper
131 100
133 93.7 48.6 145.8
119 63.4 32.2 96.6





#67

Ethyl Benzene

Concen: 16.692 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

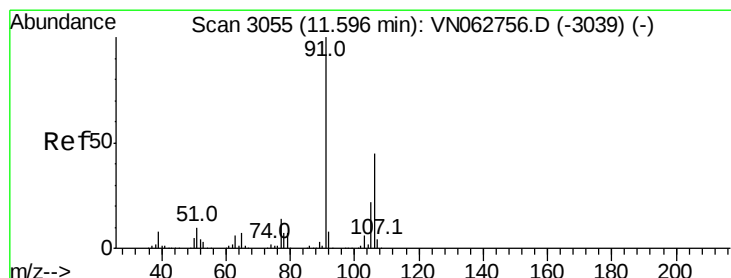
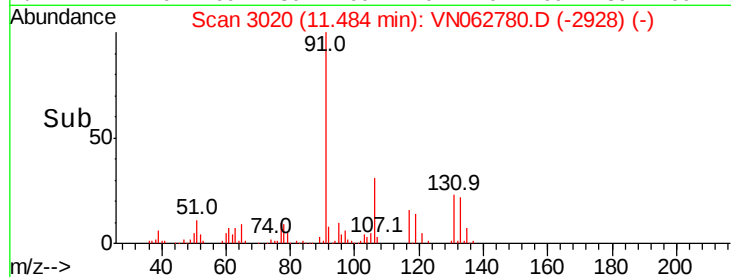
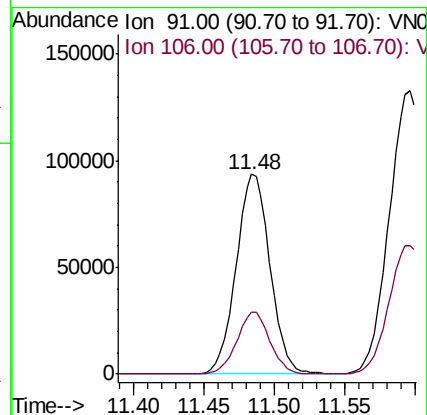
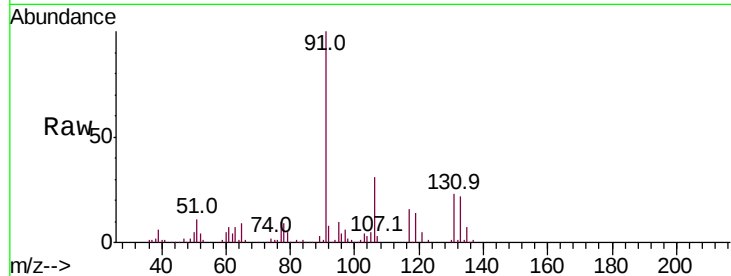
VN0807WBS01

Tot Ion: 91 Resp: 157814

Ion Ratio Lower Upper

91 100

106 30.9 23.2 34.8



#68

m/p-Xylenes

Concen: 34.875 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062780.D

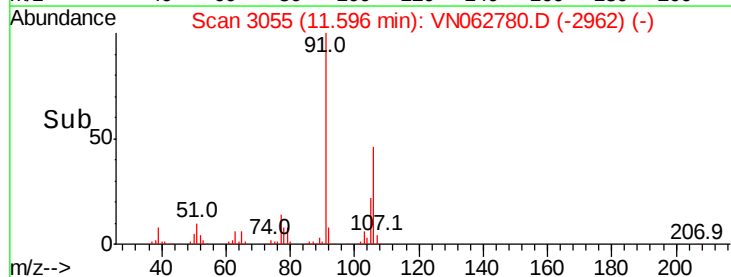
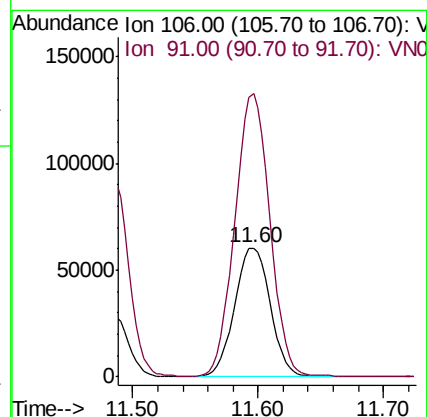
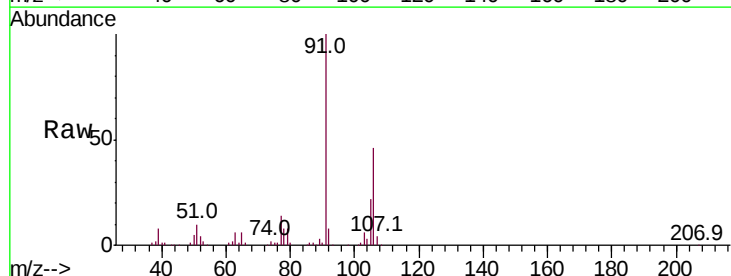
Acq: 7 Aug 2020 15:39

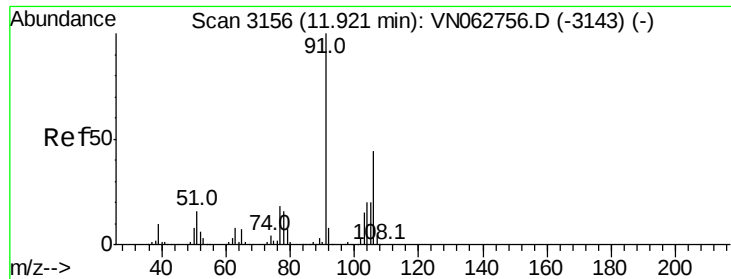
Tgt Ion: 106 Resp: 119690

Ion Ratio Lower Upper

106 100

91 215.2 175.9 263.9

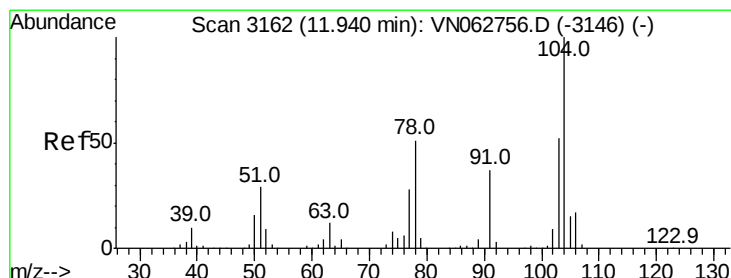
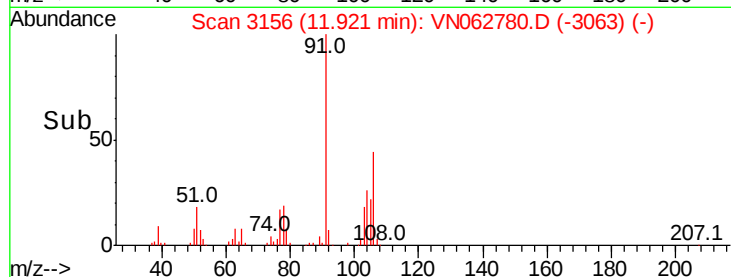
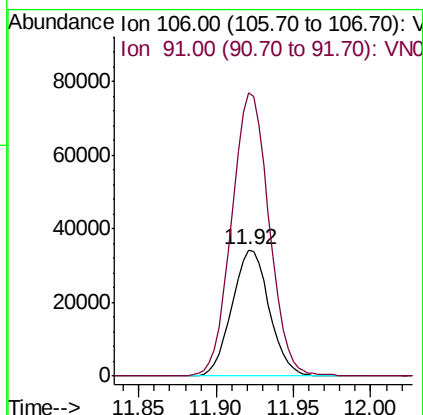
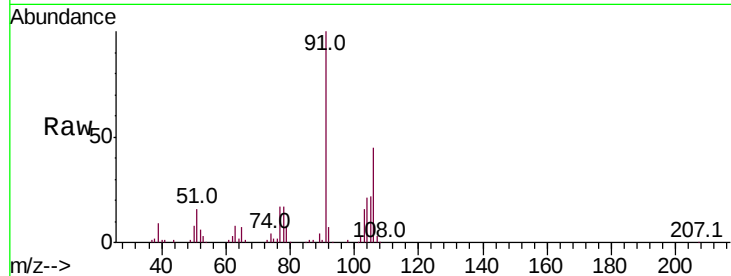




#69
o-Xylene
Concen: 17.867 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

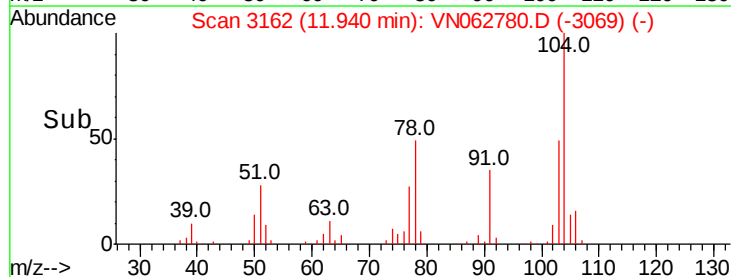
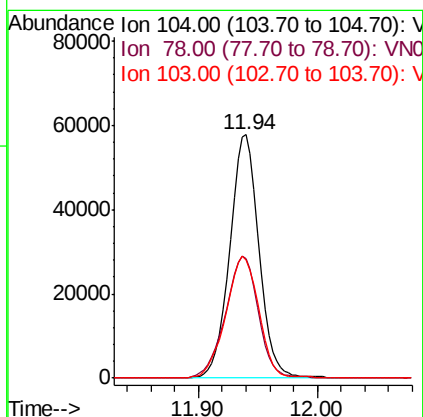
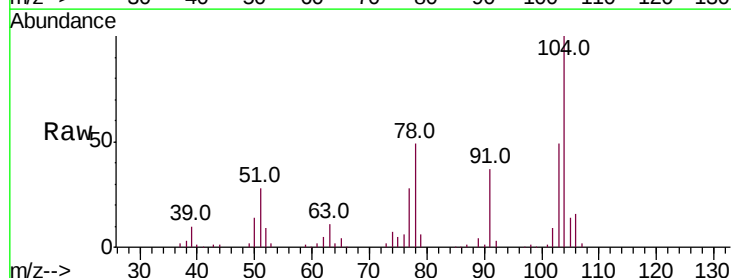
Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

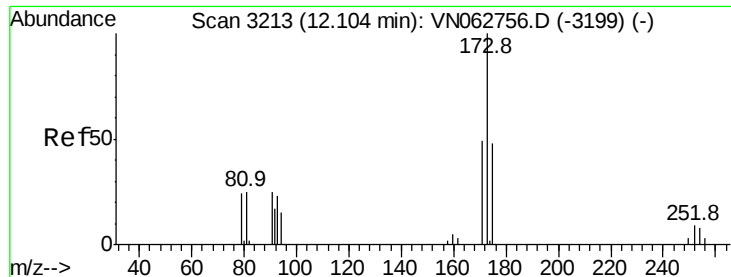
Tot Ion:106 Resp: 57463
Ion Ratio Lower Upper
106 100
91 225.3 115.8 347.4



#70
Styrene
Concen: 17.439 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion:104 Resp: 98586
Ion Ratio Lower Upper
104 100
78 56.6 45.9 68.9
103 56.4 45.1 67.7





#71

Bromoform

Concen: 16.963 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

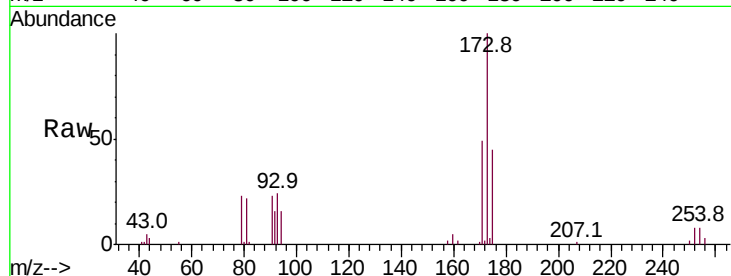
Tot Ion:173 Resp: 29447

Ion Ratio Lower Upper

173 100

175 47.0 24.0 72.0

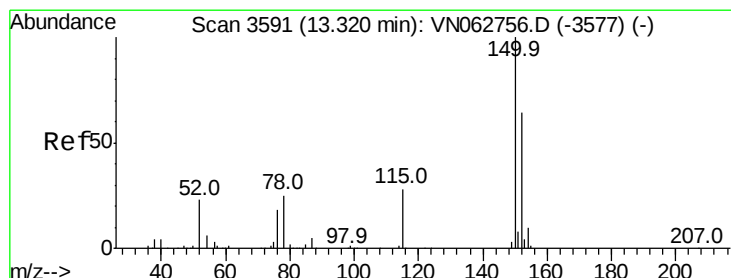
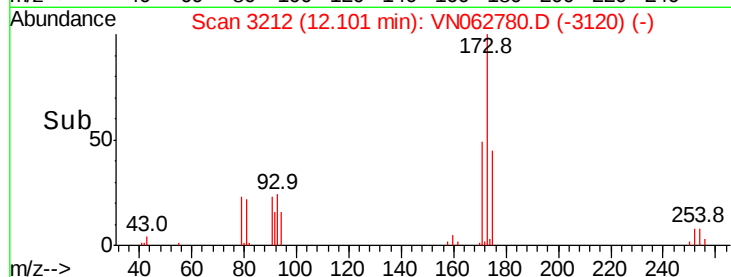
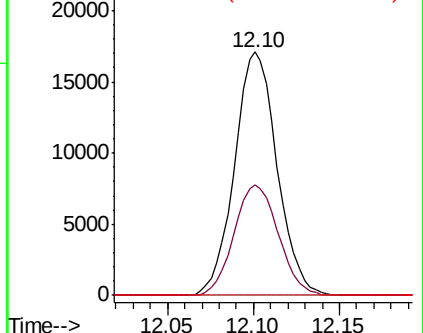
254 0.0 0.0 0.0



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: VN062780.D

Acq: 7 Aug 2020 15:39

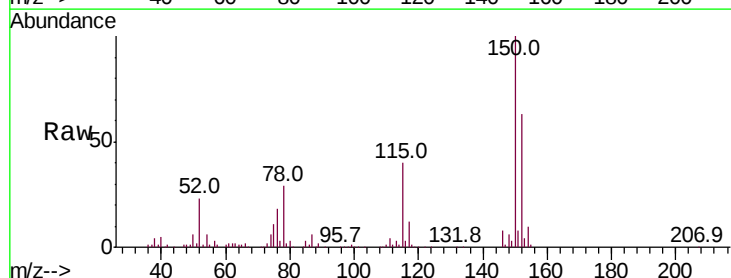
Tgt Ion:152 Resp: 115866

Ion Ratio Lower Upper

152 100

115 64.6 31.6 94.8

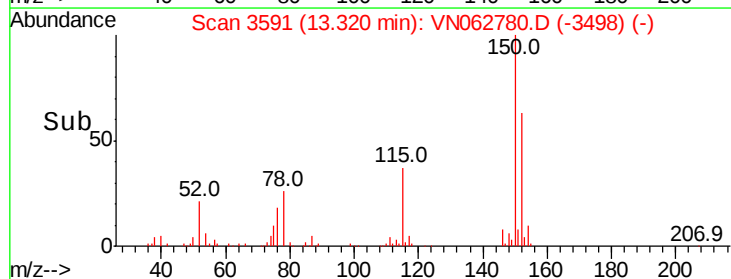
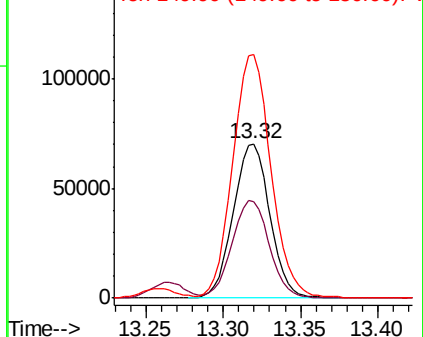
150 165.9 0.0 349.2

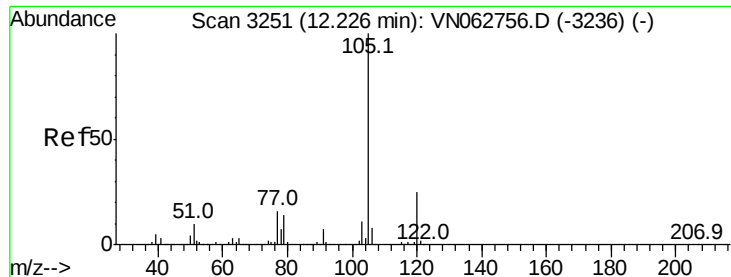


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

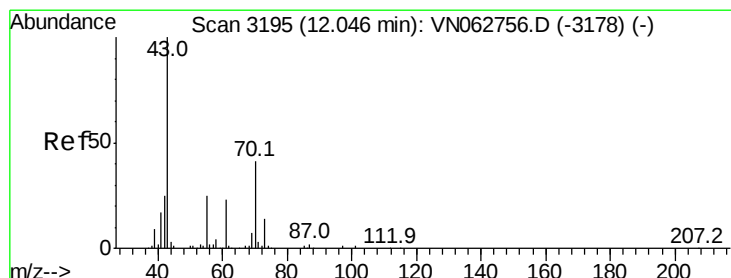
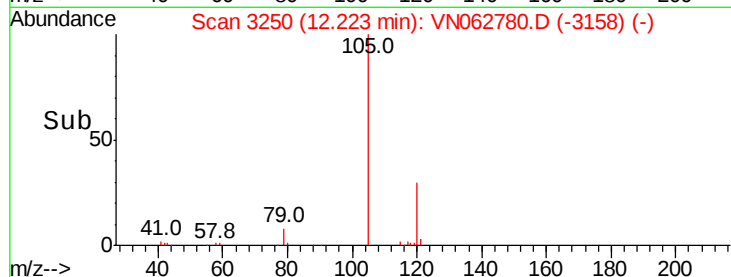
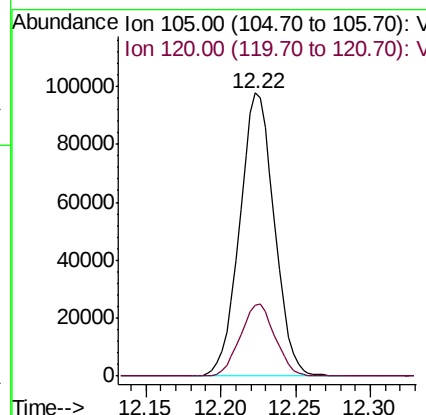
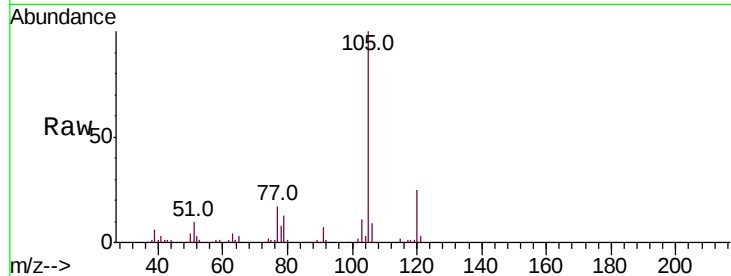




#73
Isopropylbenzene
Concen: 18.027 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

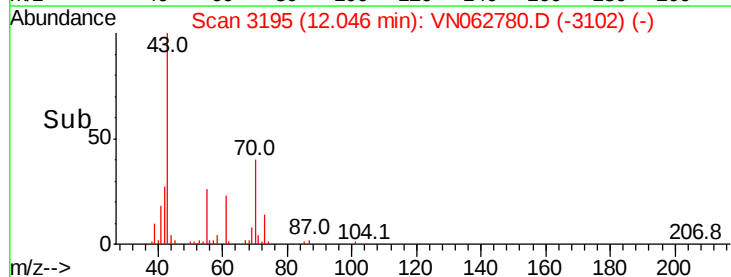
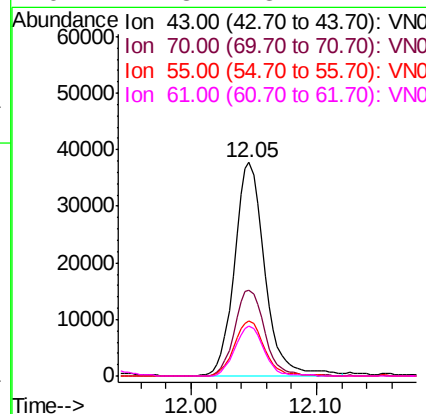
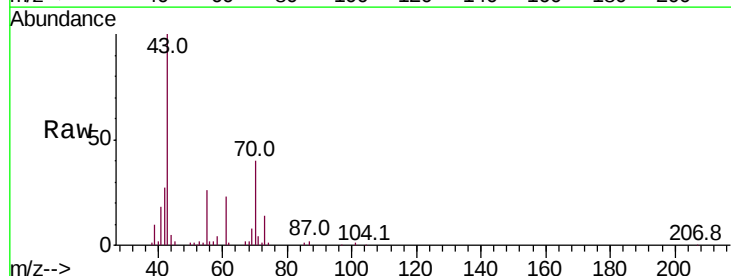
Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

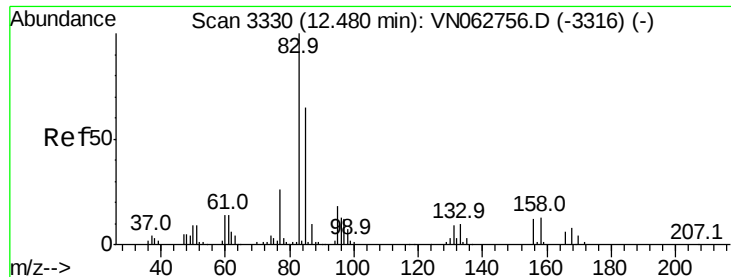
Tot Ion:105 Resp: 157278
Ion Ratio Lower Upper
105 100
120 25.5 12.6 37.8



#74
N-ethyl acetate
Concen: 17.953 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 43 Resp: 63474
Ion Ratio Lower Upper
43 100
70 39.7 32.3 48.5
55 25.7 20.2 30.2
61 22.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.346 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

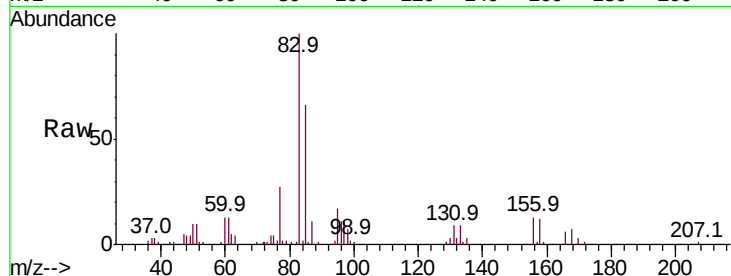
Tot Ion: 83 Resp: 56346

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.4

85 64.5 31.9 95.9

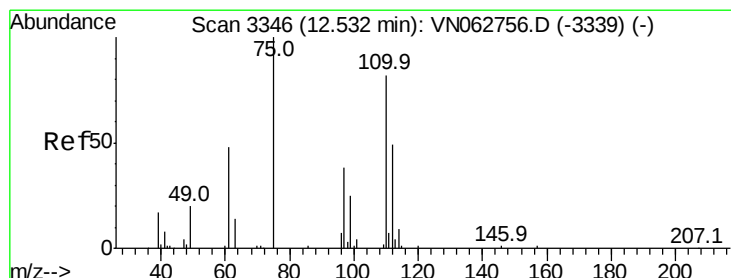
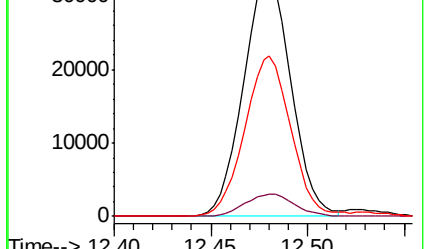
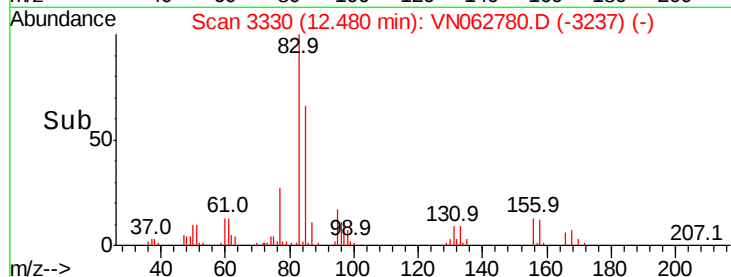


Abundance Ion 82.90 (82.60 to 83.60): VN062780.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062780.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062780.D (-3237) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 23.149 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062780.D

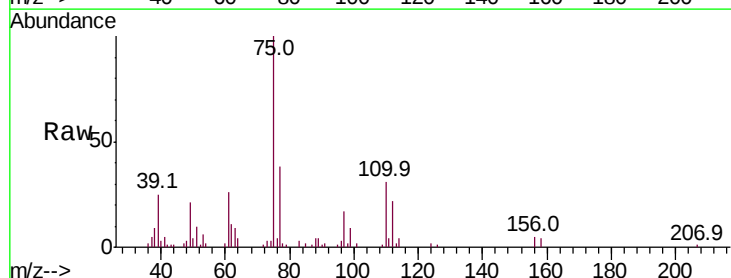
Acq: 7 Aug 2020 15:39

Tgt Ion: 75 Resp: 72337

Ion Ratio Lower Upper

75 100

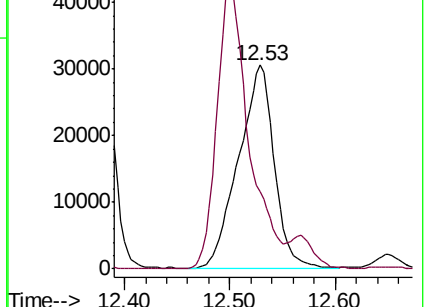
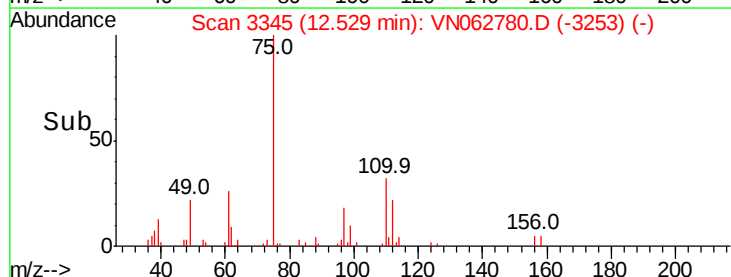
77 0.0 0.0 0.0

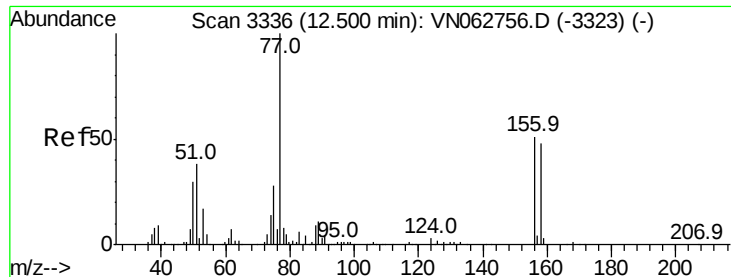


Abundance Ion 74.90 (74.60 to 75.60): VN062780.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062780.D (-3253) (-)

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 18.613 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

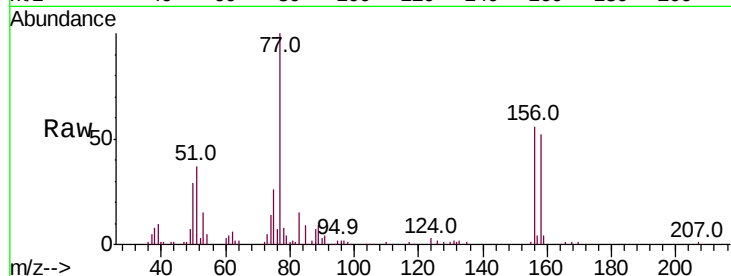
Tot Ion:156 Resp: 40349

Ion Ratio Lower Upper

156 100

77 221.7 119.7 359.1

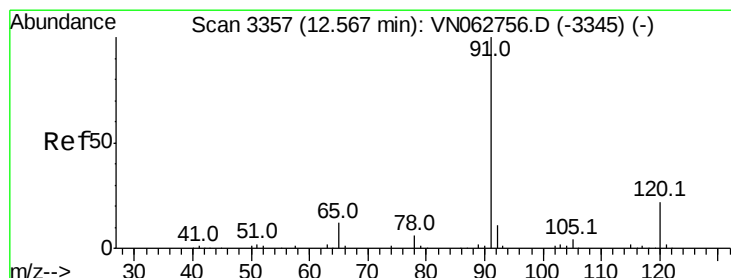
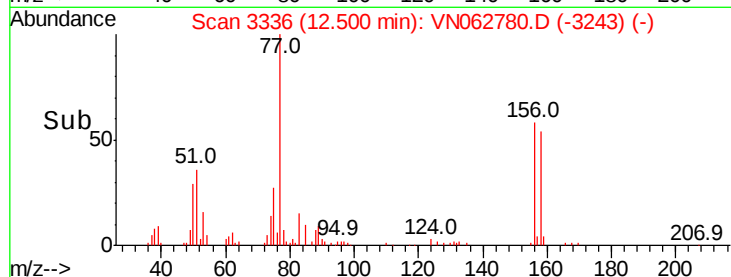
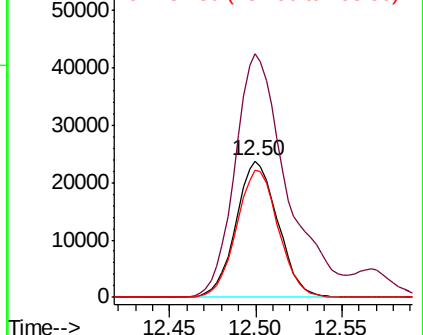
158 93.4 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.812 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062780.D

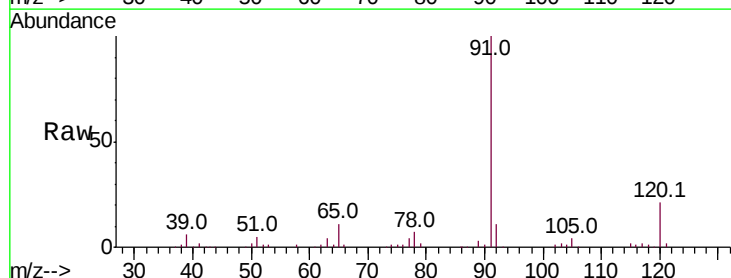
Acq: 7 Aug 2020 15:39

Tgt Ion: 91 Resp: 182425

Ion Ratio Lower Upper

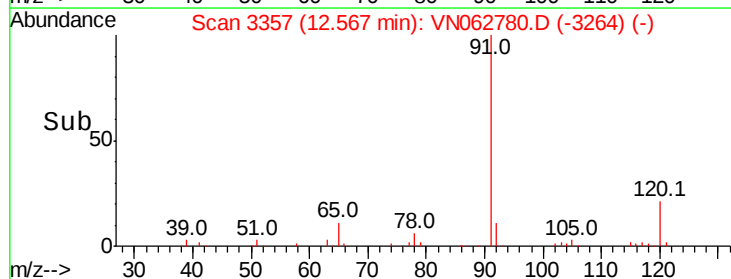
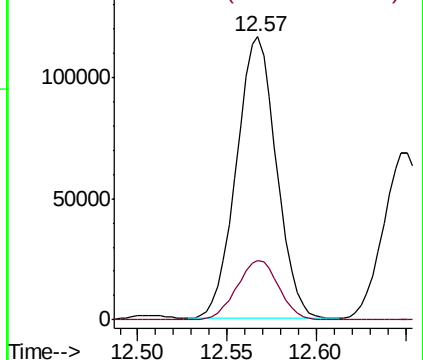
91 100

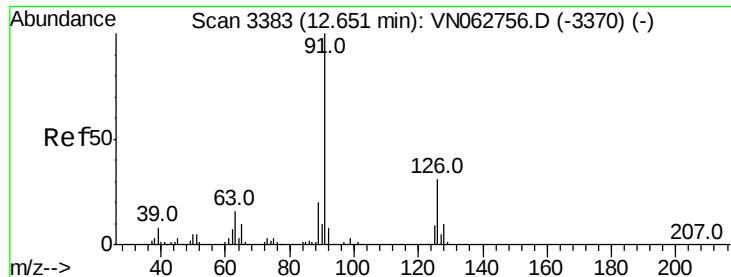
120 22.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.653 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

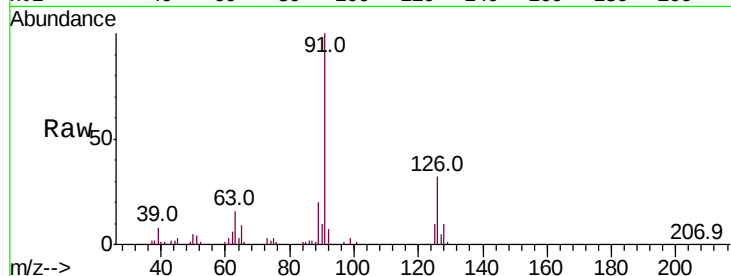
VN0807WBS01

Tot Ion: 91 Resp: 113377

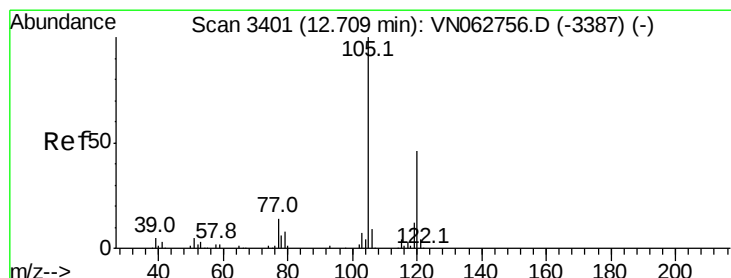
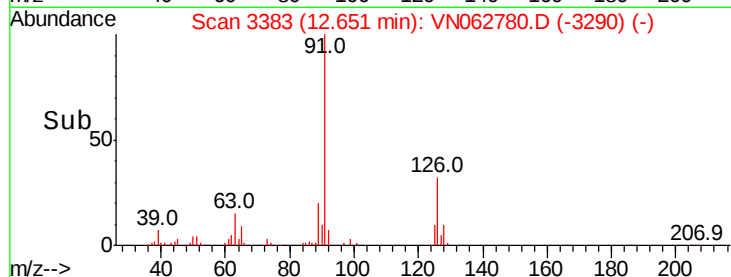
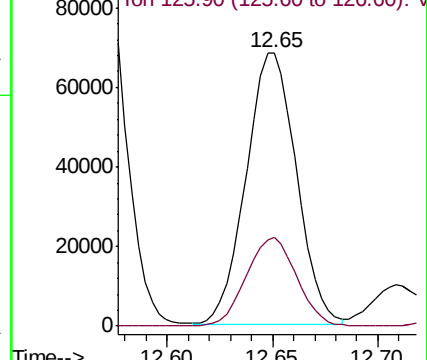
Ion Ratio Lower Upper

91 100

126 32.9 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.234 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062780.D

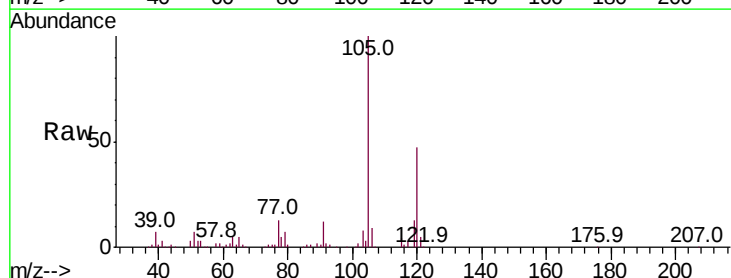
Acq: 7 Aug 2020 15:39

Tgt Ion:105 Resp: 138011

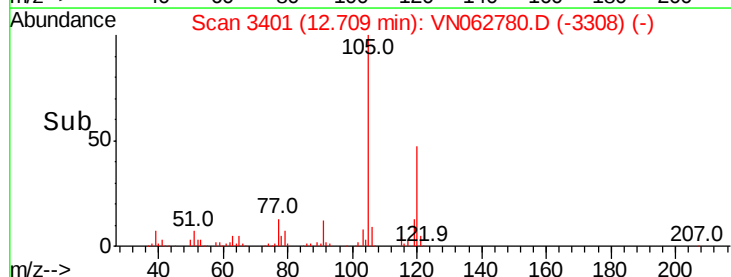
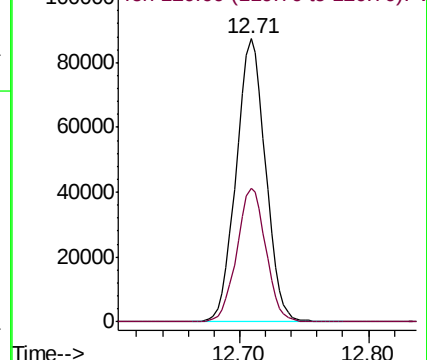
Ion Ratio Lower Upper

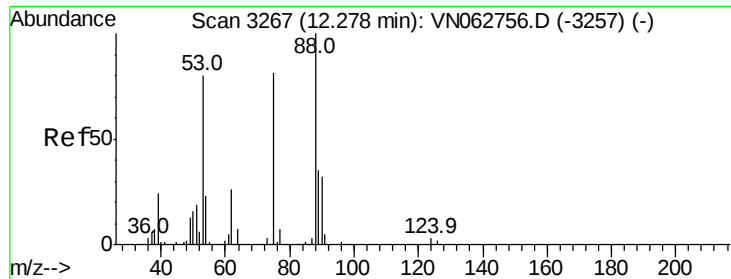
105 100

120 46.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.178 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

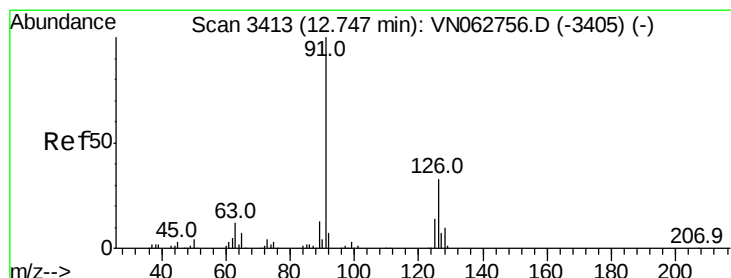
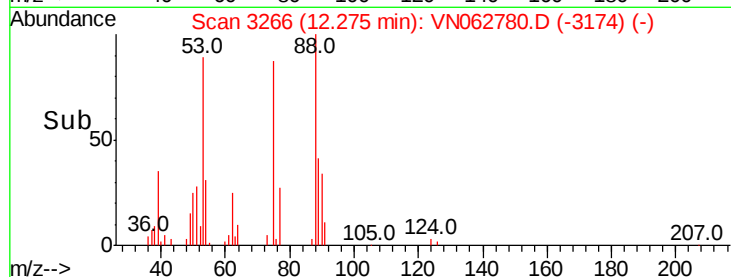
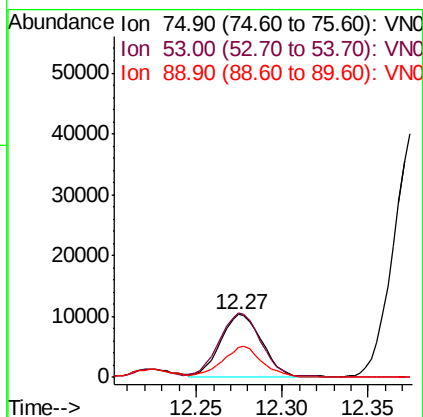
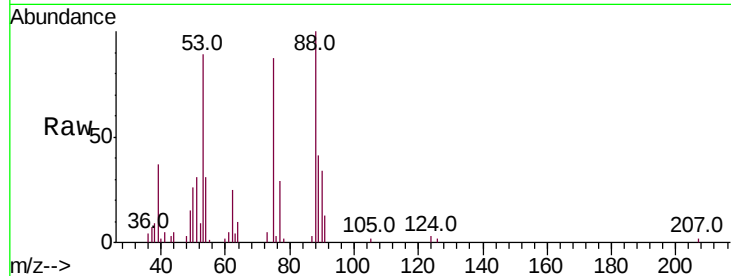
Tot Ion: 75 Resp: 17583

Ion Ratio Lower Upper

75 100

53 102.9 79.1 118.7

89 46.2 36.2 54.2



#82

4-Chlorotoluene

Concen: 18.123 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062780.D

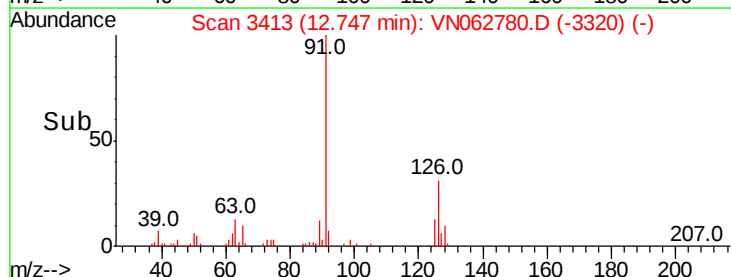
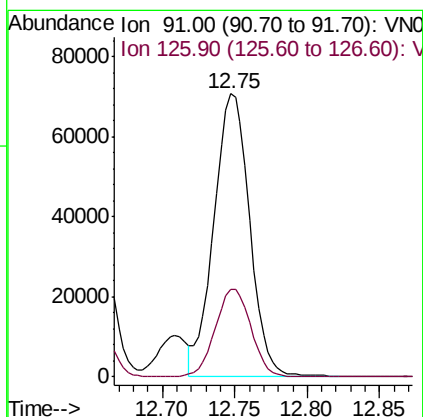
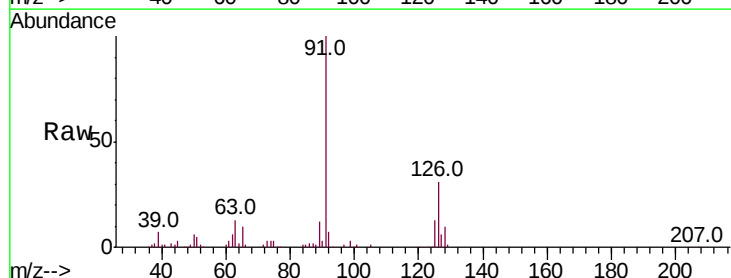
Acq: 7 Aug 2020 15:39

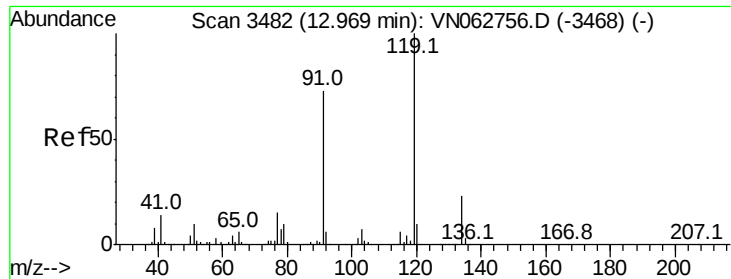
Tgt Ion: 91 Resp: 119944

Ion Ratio Lower Upper

91 100

126 31.3 15.3 45.9

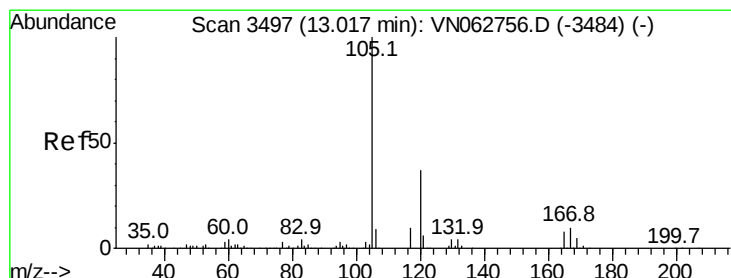
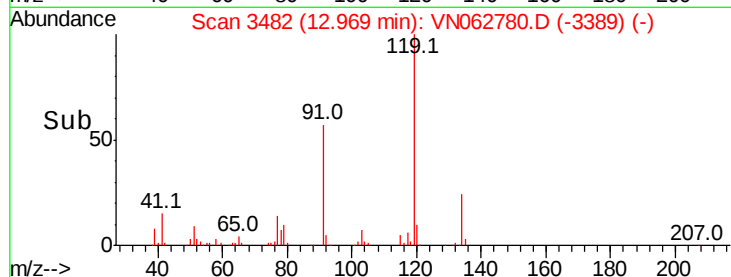
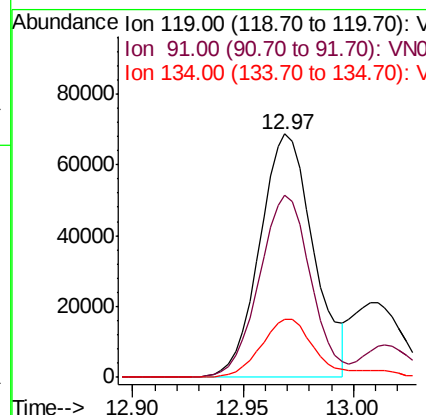
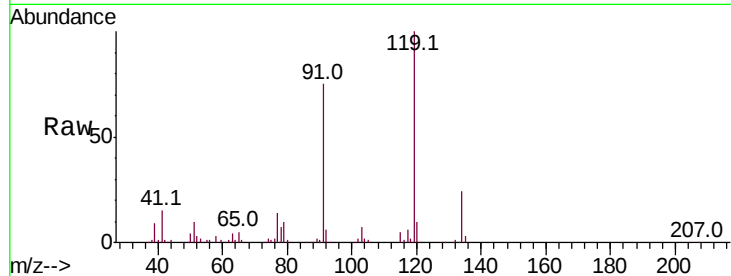




#83
tert-Butylbenzene
Concen: 18.076 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

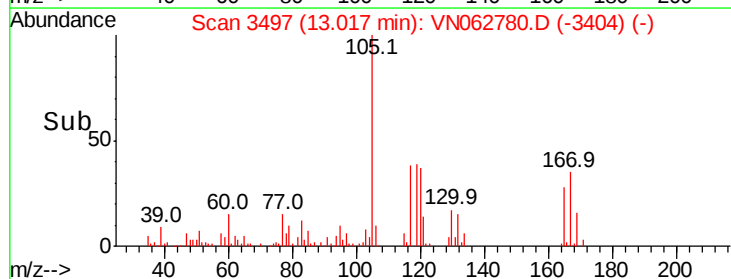
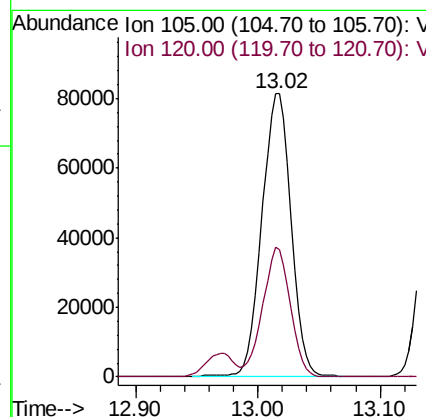
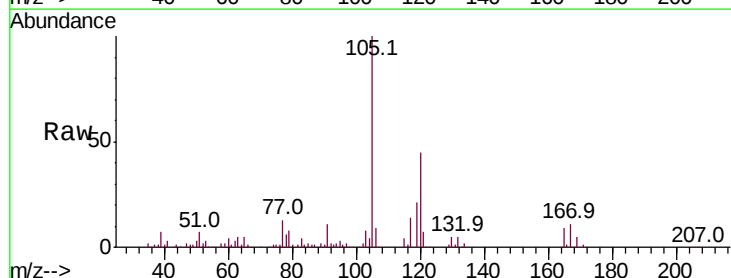
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

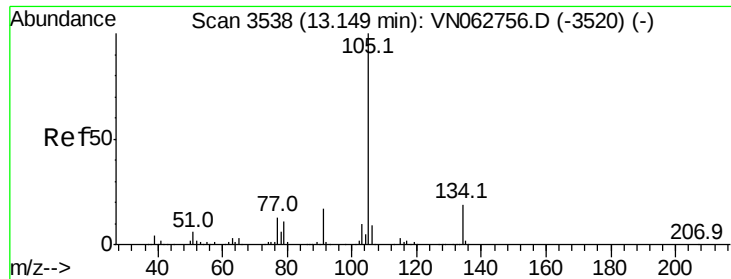
Tot Ion:119 Resp: 115774
Ion Ratio Lower Upper
119 100
91 72.0 36.5 109.5
134 25.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 18.654 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion:105 Resp: 135078
Ion Ratio Lower Upper
105 100
120 43.4 21.4 64.2

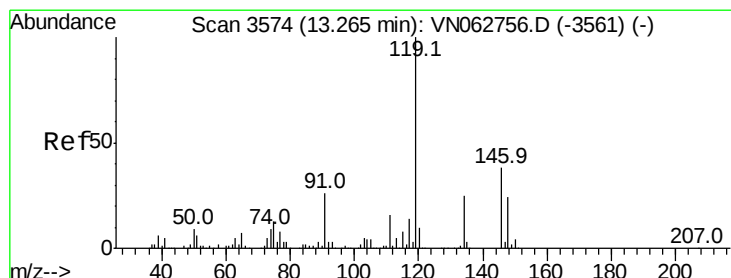
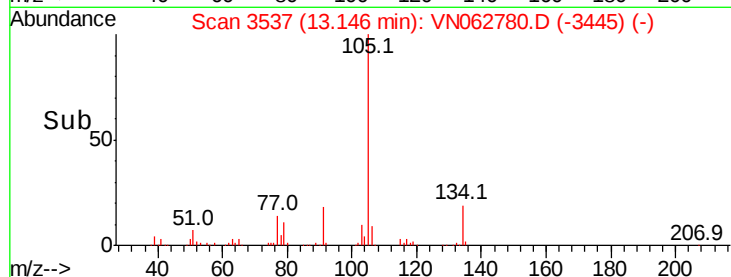
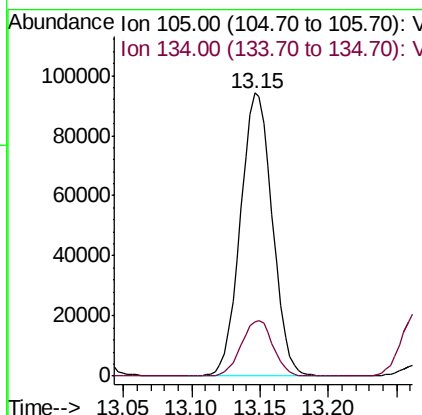
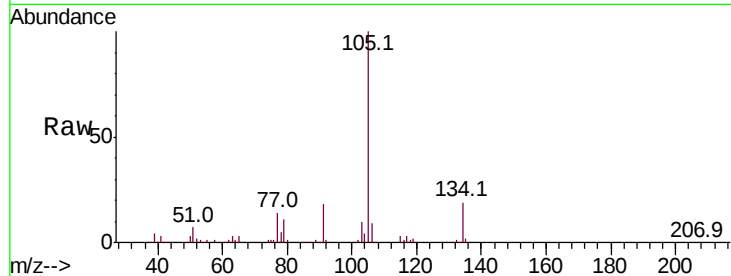




#85
 sec-Butylbenzene
 Concen: 18.070 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

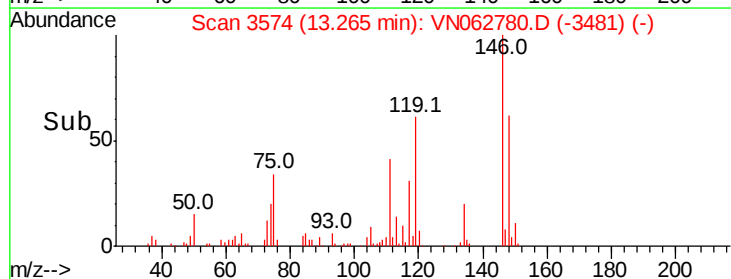
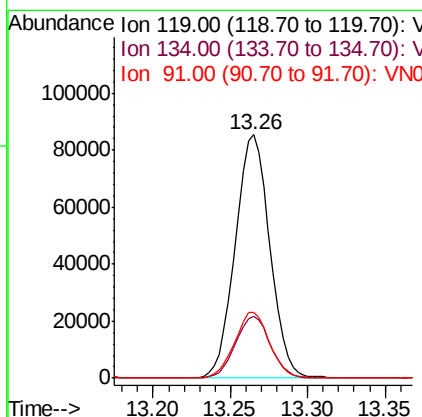
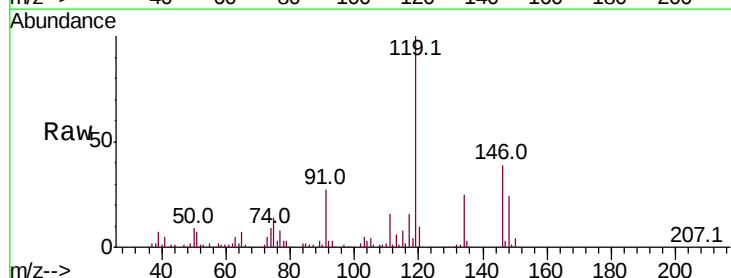
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

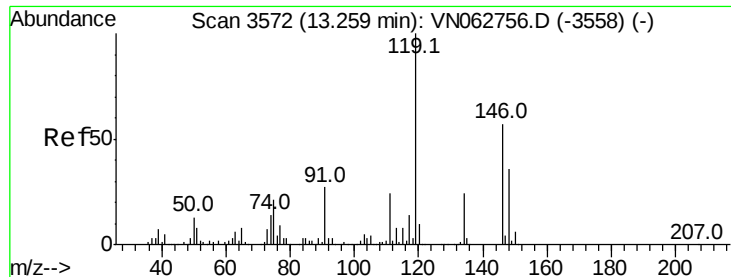
Tot Ion:105 Resp: 151979
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 17.781 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion:119 Resp: 132748
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 27.3 13.4 40.2

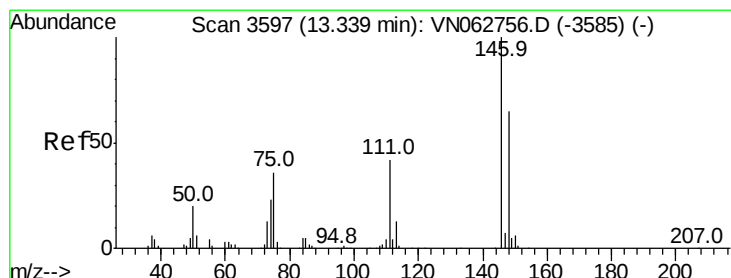
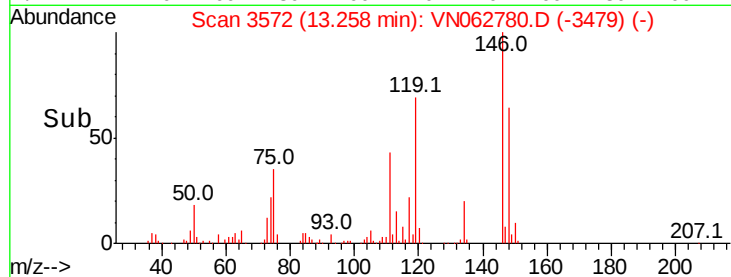
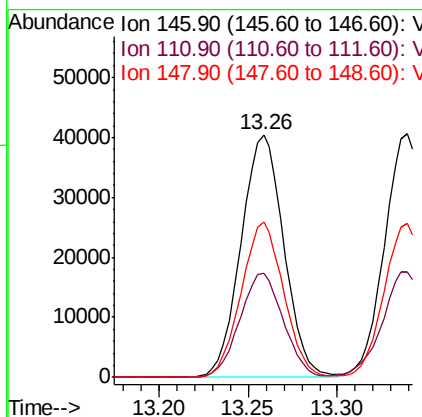
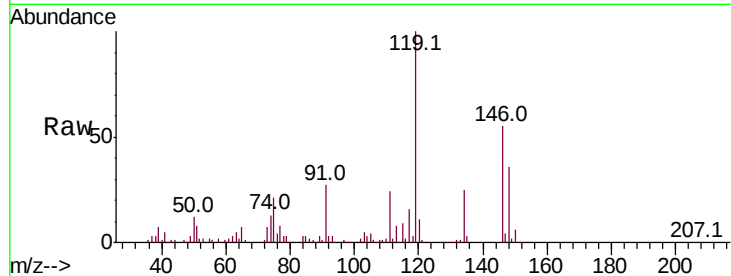




#87
 1,3-Dichlorobenzene
 Concen: 17.548 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

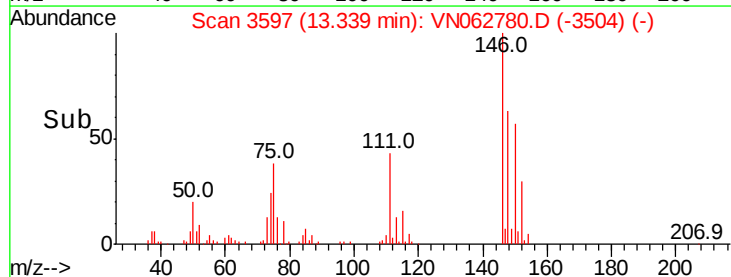
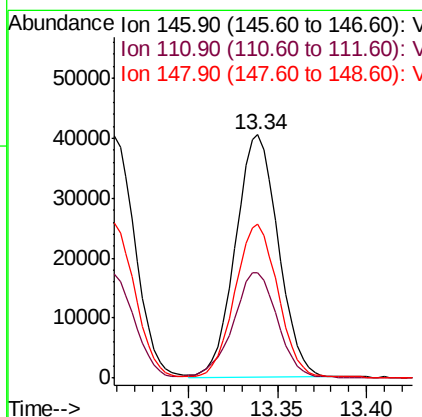
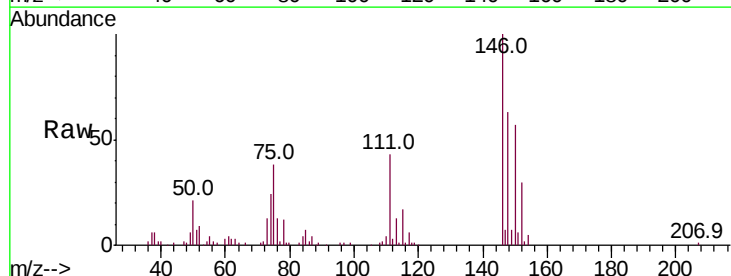
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

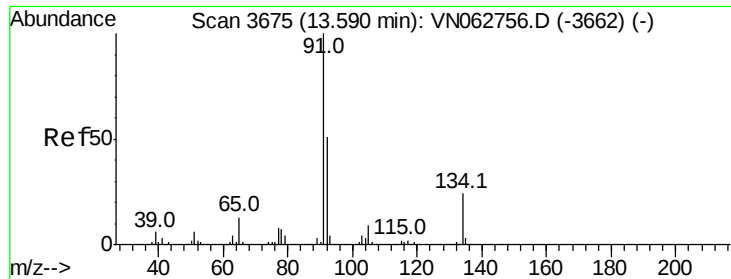
Tot Ion:146 Resp: 67958
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.7 65.1
 148 63.6 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 17.379 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion:146 Resp: 67505
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.6 64.6
 148 63.2 32.6 97.8

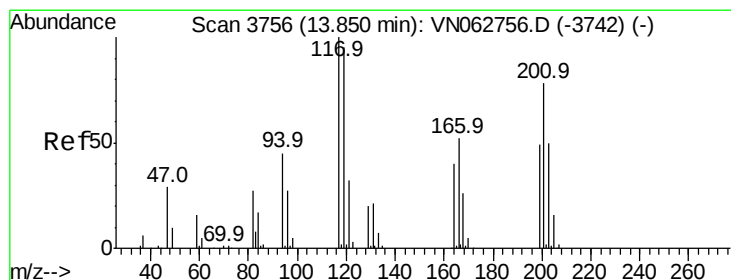
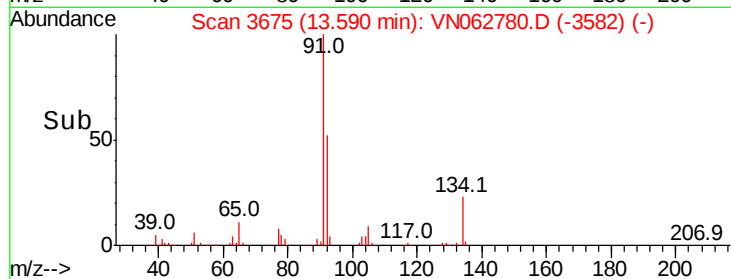
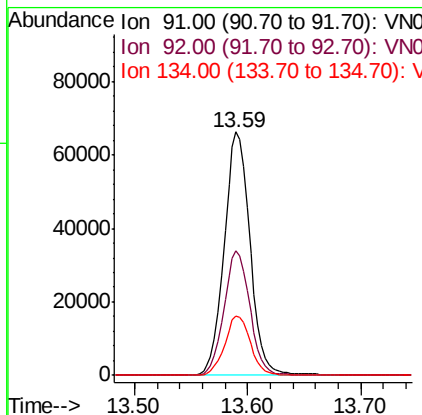
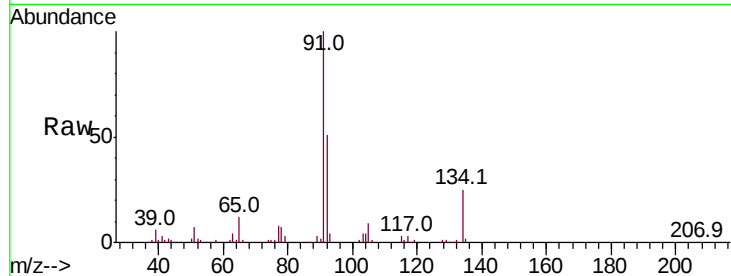




#89
n-Butylbenzene
Concen: 16.681 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

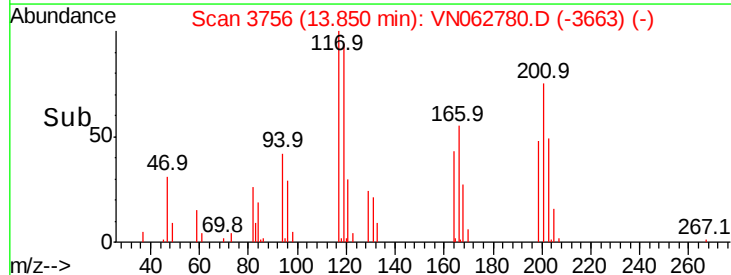
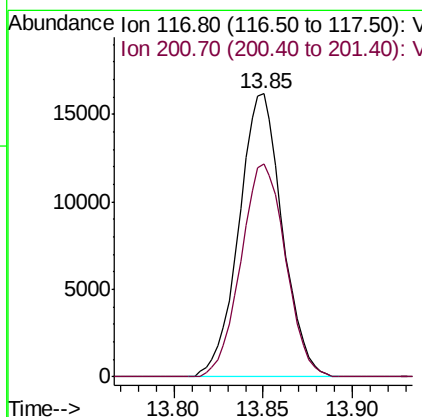
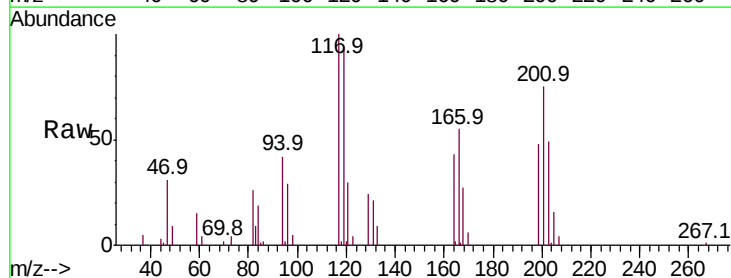
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

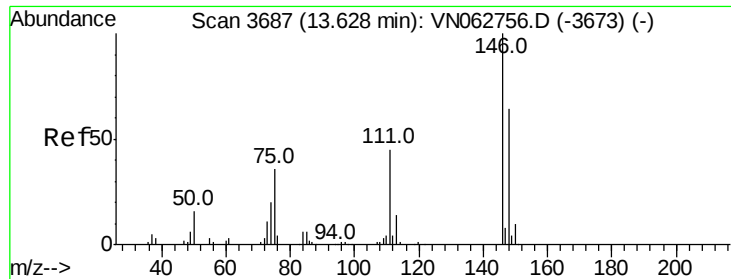
Tot Ion: 91 Resp: 105325
Ion Ratio Lower Upper
91 100
92 51.0 25.7 77.0
134 24.3 12.2 36.6



#90
Hexachloroethane
Concen: 17.012 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062780.D
Acq: 7 Aug 2020 15:39

Tgt Ion: 117 Resp: 27376
Ion Ratio Lower Upper
117 100
201 77.7 39.2 117.6

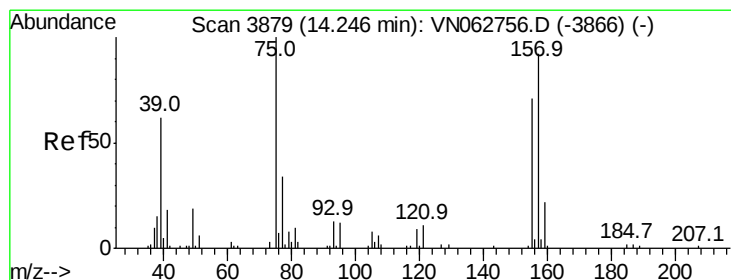
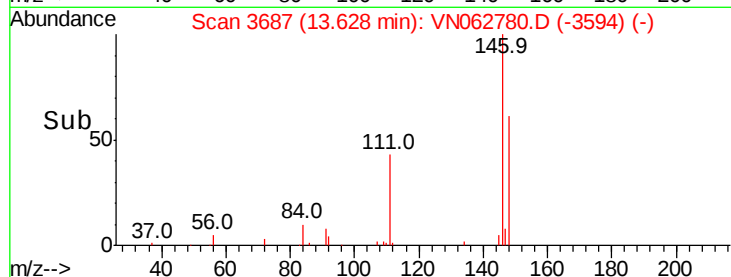
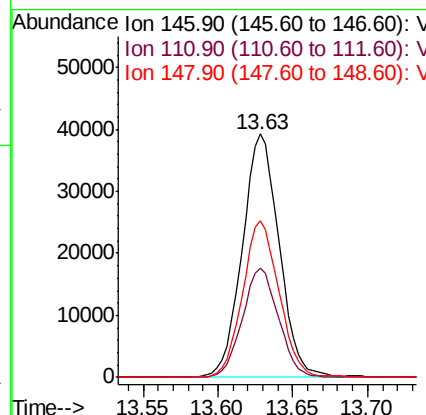
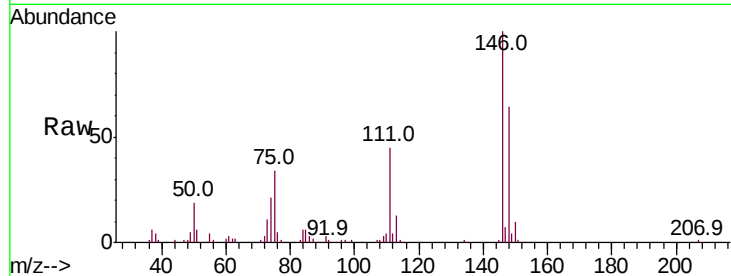




#91
 1,2-Dichlorobenzene
 Concen: 18.512 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

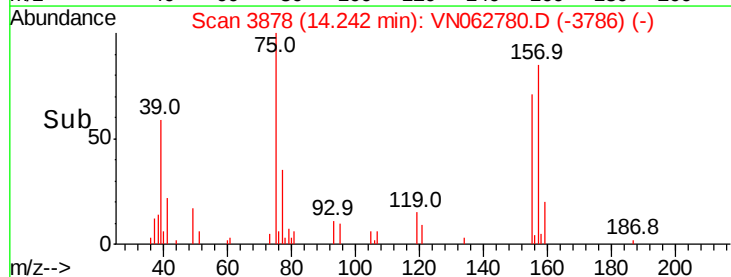
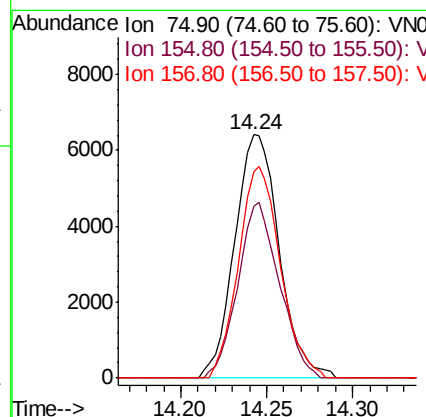
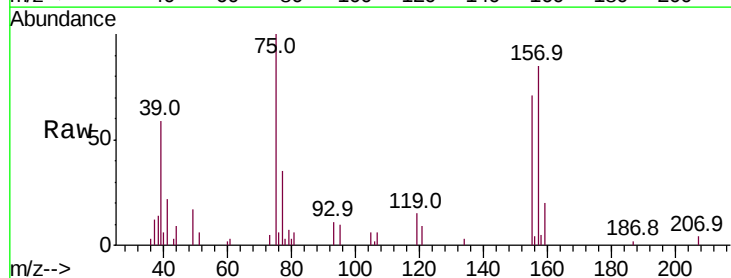
Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

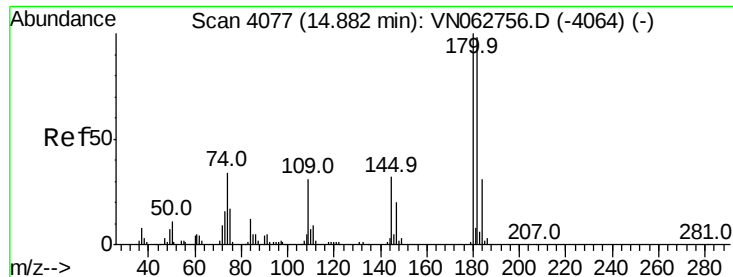
Tot Ion:146 Resp: 67213
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.8 68.4
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.465 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062780.D
 Acq: 7 Aug 2020 15:39

Tgt Ion: 75 Resp: 11516
 Ion Ratio Lower Upper
 75 100
 155 67.2 35.0 105.1
 157 81.8 43.2 129.6





#93

1,2,4-Trichlorobenzene

Concen: 16.133 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

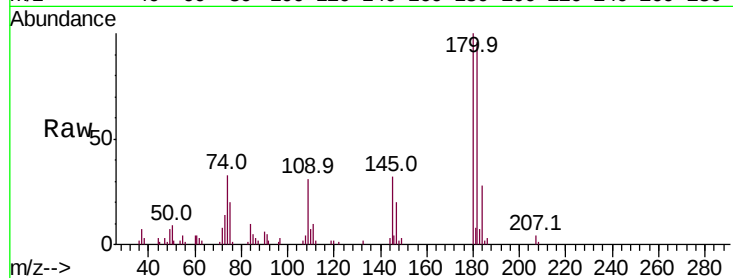
Tot Ion:180 Resp: 26758

Ion Ratio Lower Upper

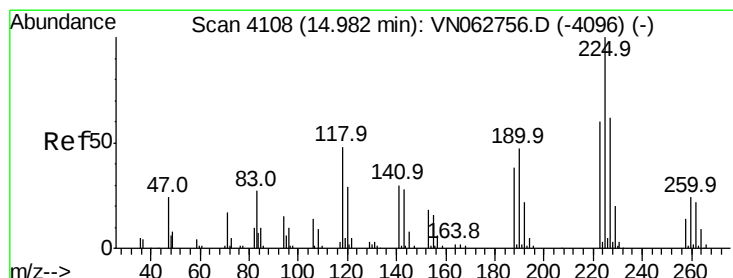
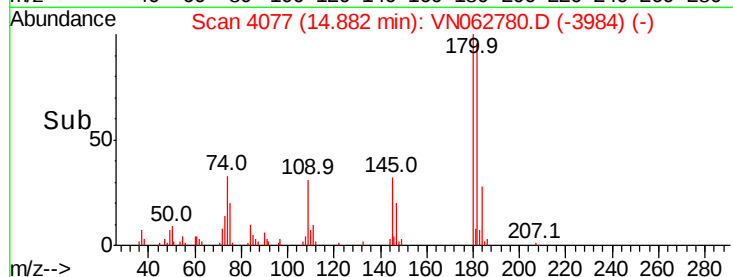
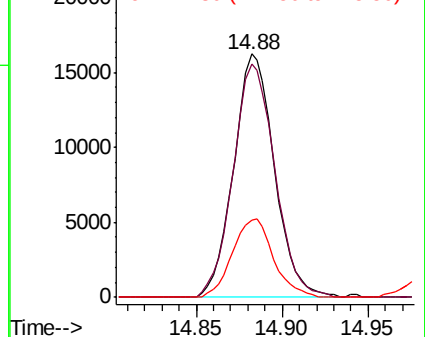
180 100

182 98.1 49.1 147.4

145 32.2 16.3 48.8



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



#94

Hexachlorobutadiene

Concen: 16.886 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

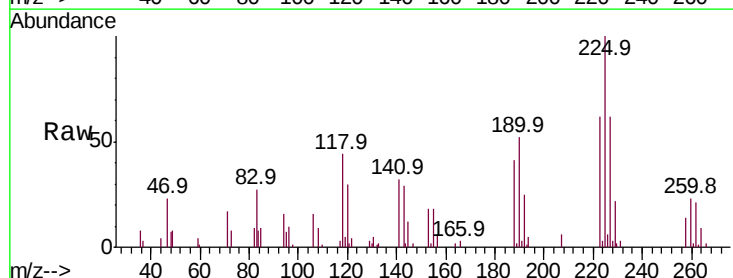
Tgt Ion:225 Resp: 20468

Ion Ratio Lower Upper

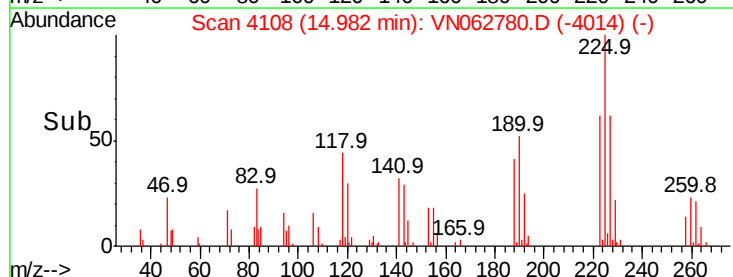
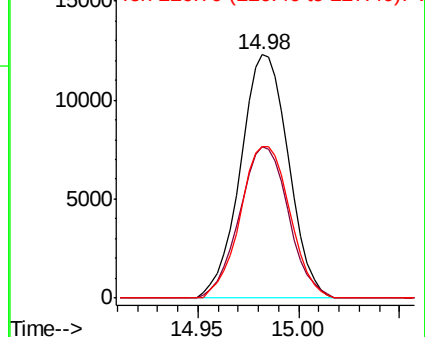
225 100

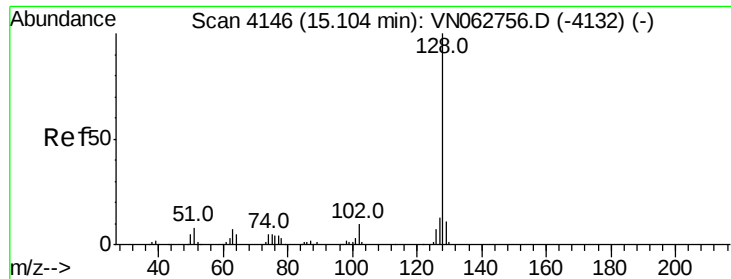
223 63.5 30.6 92.0

227 64.4 31.6 95.0



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





#95

Naphthalene

Concen: 15.080 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

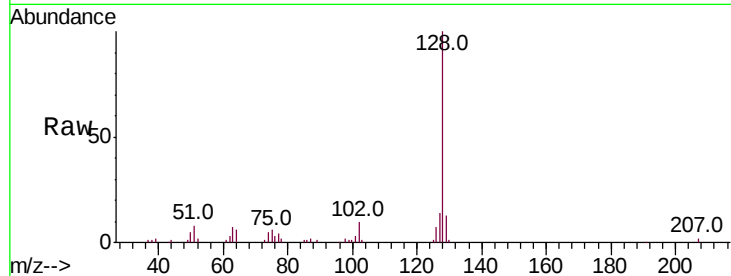
Tot Ion:128 Resp: 65423

Ion Ratio Lower Upper

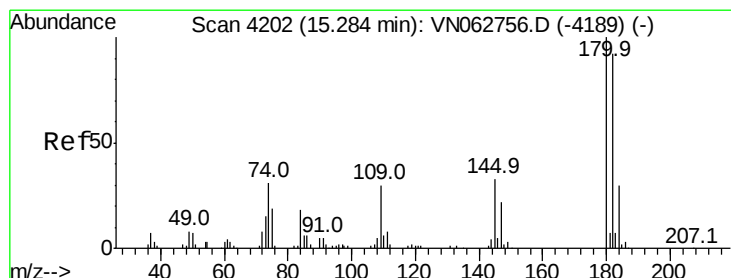
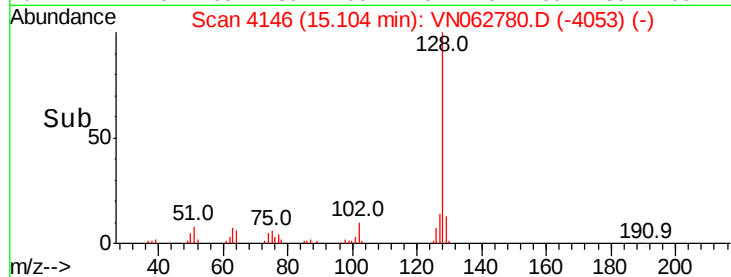
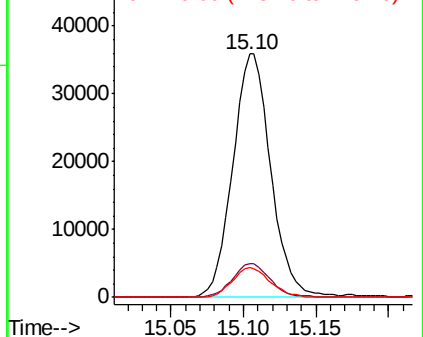
128 100

127 13.7 10.8 16.2

129 12.1 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 16.548 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062780.D

Acq: 7 Aug 2020 15:39

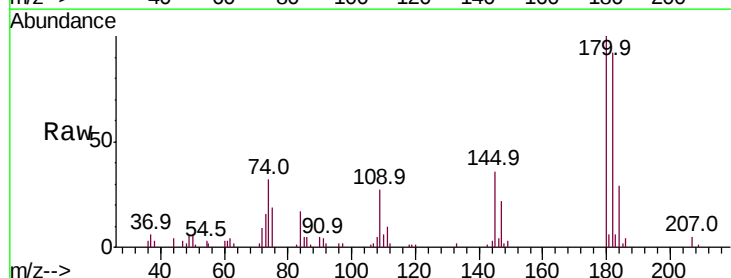
Tgt Ion:180 Resp: 28074

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.6

145 34.9 17.3 51.7



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

