

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064896.D
 Acq On : 3 Dec 2020 14:11
 Operator : JC/MD
 Sample : L4918-03
 Misc : 5.01µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20801

Quant Time: Dec 04 02:59:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	186677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	102468	47.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.42%
35) Dibromofluoromethane	7.55	113	89684	47.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.22%
50) Toluene-d8	10.06	98	426395	55.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	110.80%
62) 4-Bromofluorobenzene	12.37	95	182470	66.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	132.50%

Target Compounds

					Qvalue
11) Tert butyl alcohol	4.77	59	466	1.377 ug/l #	73
13) Acrolein	3.49	56	5418	26.208 ug/l #	1
14) Allyl chloride	4.35	41	10704	3.585 ug/l #	61
15) Acrylonitrile	4.97	53	7323	7.832 ug/l #	39
16) Acetone	3.78	43	7958961	11156.065 ug/l	90
18) Methyl Acetate	4.51	43	359419	167.565 ug/l #	50
19) Methyl tert-butyl Ether	4.99	73	10654	1.835 ug/l #	1
20) Methylene Chloride	4.50	84	1965	0.879 ug/l #	2
23) Vinyl Acetate	5.86	43	3618	0.757 ug/l #	71
25) 2-Butanone	6.76	43	6102	5.276 ug/l #	49
28) Bromochloromethane	7.34	49	662	0.405 ug/l #	10
29) Tetrahydrofuran	7.16	42	578	0.724 ug/l #	32
30) Chloroform	7.33	83	3001	0.815 ug/l #	1
31) Cyclohexane	7.59	56	904990	299.190 ug/l #	62
36) 1,1-Dichloropropene	7.62	75	13897	4.763 ug/l #	48
37) Ethyl Acetate	6.89	43	2005	0.713 ug/l #	74
38) Carbon Tetrachloride	7.62	117	17076	5.625 ug/l #	16
39) Methylcyclohexane	9.04	83	1284669	408.998 ug/l	100
40) Benzene	8.00	78	587475	65.705 ug/l	99
41) Methacrylonitrile	7.28	41	6572	5.068 ug/l #	28
42) 1,2-Dichloroethane	8.10	62	1294	0.429 ug/l #	1
43) Isopropyl Acetate	8.11	43	272148	60.174 ug/l #	59
45) 1,2-Dichloropropane	9.10	63	1054	0.455 ug/l #	1
46) Dibromomethane	9.13	93	1039	0.672 ug/l #	1
47) Bromodichloromethane	9.35	83	33876	10.884 ug/l #	27
48) Methyl methacrylate	9.17	41	83173	38.487 ug/l #	66
49) 1,4-Dioxane	9.10	88	514	12.584 ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	58698	21.619 ug/l #	81
52) Toluene	10.13	92	11378943	2066.527 ug/l #	60
53) t-1,3-Dichloropropene	10.13	75	252905	72.952 ug/l #	1
55) 1,1,2-Trichloroethane	10.50	97	207950	91.840 ug/l #	18
56) Ethyl methacrylate	10.37	69	9539	3.053 ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.69	63	1097	0.638 ug/l #	46
59) 2-Hexanone	10.69	43	186513	95.449 ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

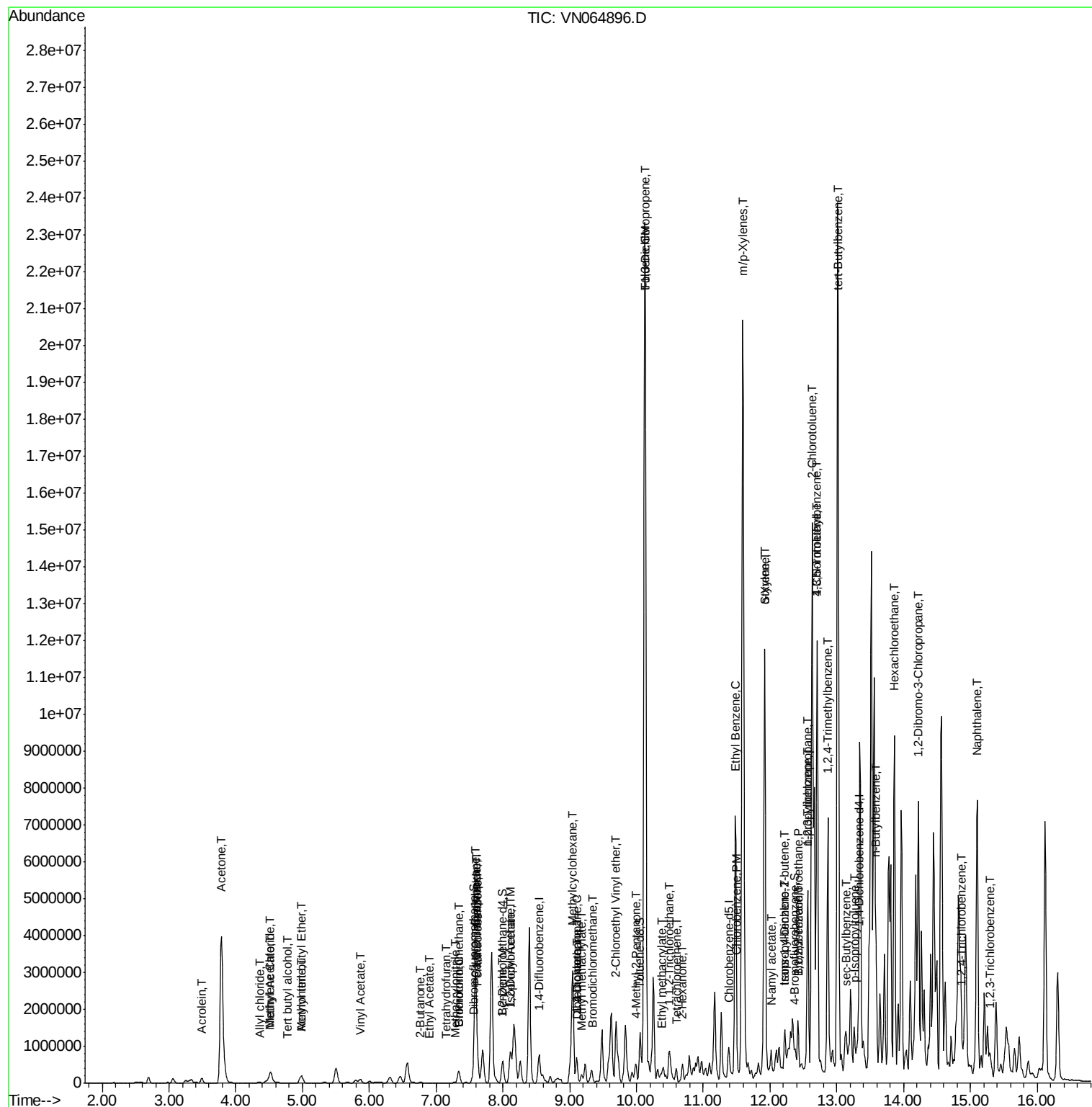
64) Tetrachloroethene	10.60	164	5087	1.665	ug/l	96
65) Chlorobenzene	11.51	112	4421	0.656	ug/l #	43
67) Ethyl Benzene	11.48	91	5079684	450.919	ug/l	90
68) m/p-Xylenes	11.59	106	7143236	1674.819	ug/l #	62
69) o-Xylene	11.92	106	3605922	890.934	ug/l	80
70) Styrene	11.92	104	181337	26.540	ug/l #	1
73) Isopropylbenzene	12.22	105	797769	65.387	ug/l	100
74) N-amyl acetate	12.02	43	148433	30.914	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.42	83	18545	5.186	ug/l #	8
76) 1,2,3-Trichloropropane	12.57	75	22899	6.062	ug/l #	100
77) Bromobenzene	12.42	156	22517	6.846	ug/l #	1
78) n-propylbenzene	12.57	91	3911458	281.417	ug/l	97
79) 2-Chlorotoluene	12.63	91	1471068	171.221	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.71	105	4750033	468.389	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.22	75	8768	6.362	ug/l #	58
82) 4-Chlorotoluene	12.71	91	521800	57.941	ug/l #	41
83) tert-Butylbenzene	13.02	119	2331840	274.323	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.87	105	4437332	432.763	ug/l	80
85) sec-Butylbenzene	13.14	105	588371	52.132	ug/l #	57
86) p-Isopropyltoluene	13.26	119	390923	38.045	ug/l	99
89) n-Butylbenzene	13.59	91	1586733	175.842	ug/l #	74
90) Hexachloroethane	13.86	117	479582	268.671	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.22	75	29068	36.125	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	935	0.263	ug/l #	46
95) Naphthalene	15.10	128	5980098	562.332	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	809	1.625	ug/l #	1

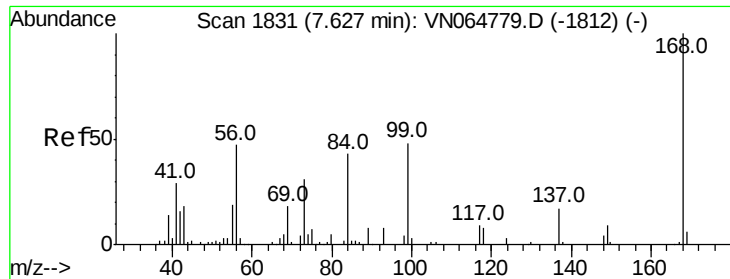
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

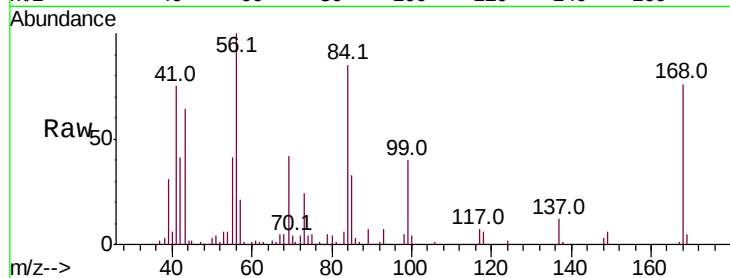
20801

Tot Ion:168 Resp: 186677

Ion Ratio Lower Upper

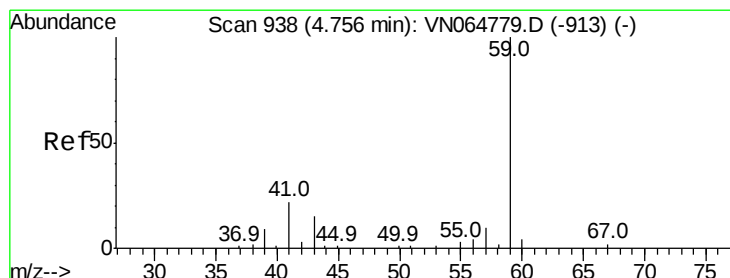
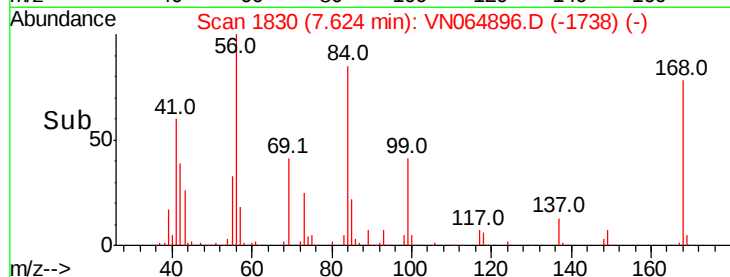
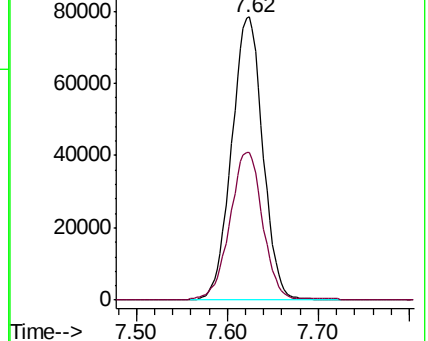
168 100

99 51.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.377 ug/l

RT: 4.77 min Scan# 942

Delta R.T. 0.01 min

Lab File: VN064896.D

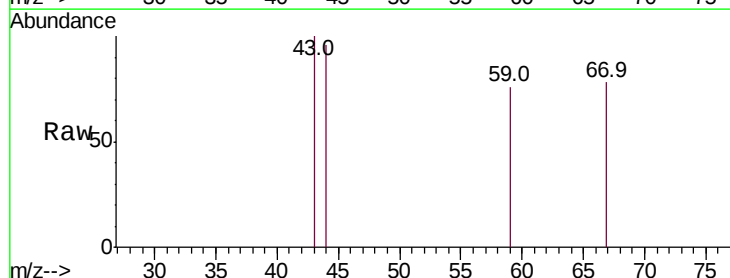
Acq: 3 Dec 2020 14:11

Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

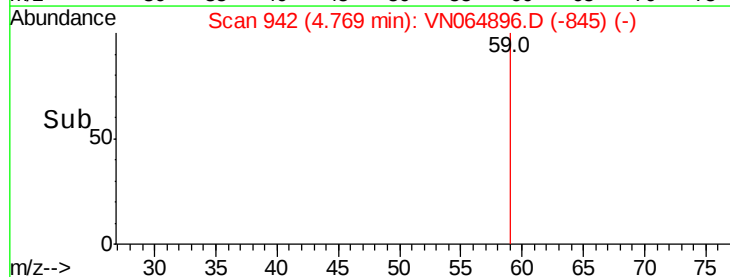
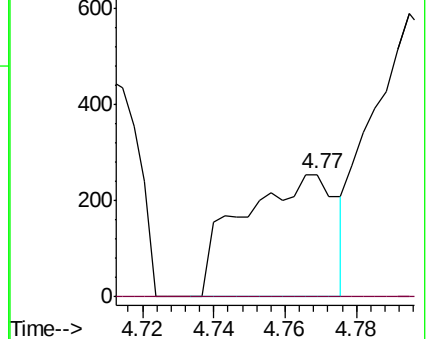
59 100

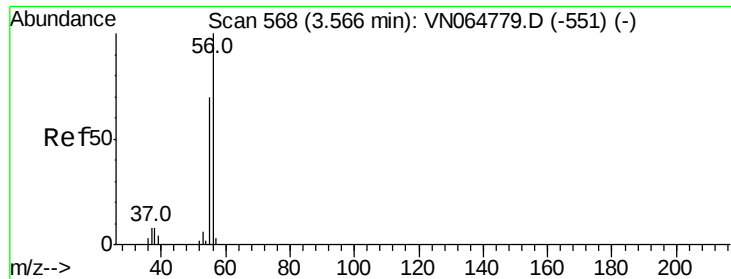
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 26.208 ug/l

RT: 3.49 min Scan# 544

Delta R.T. -0.08 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

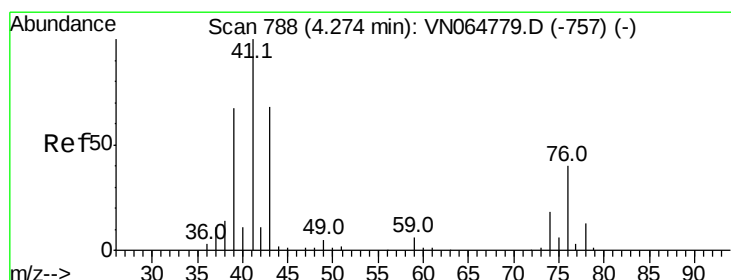
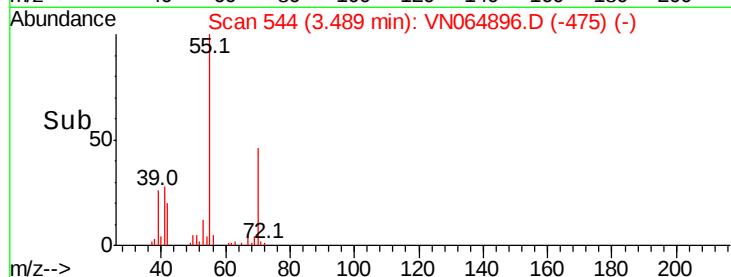
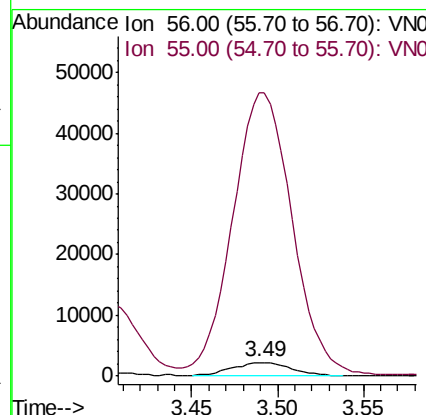
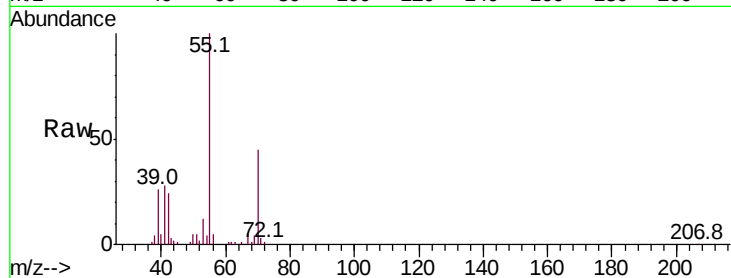
20801

Tot Ion: 56 Resp: 5418

Ion Ratio Lower Upper

56 100

55 2060.1 56.5 84.7#



#14

Allyl chloride

Concen: 3.585 ug/l

RT: 4.35 min Scan# 813

Delta R.T. 0.08 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

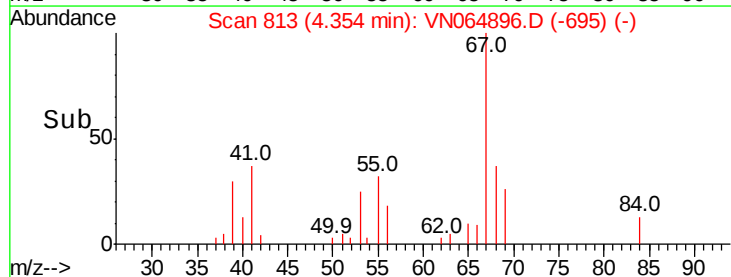
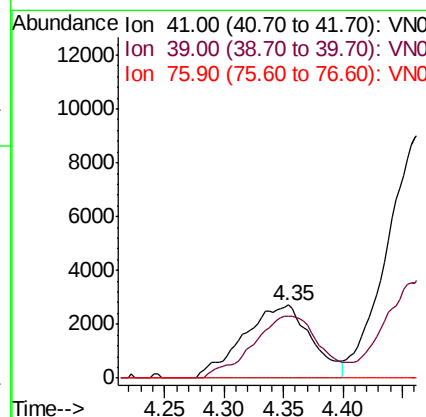
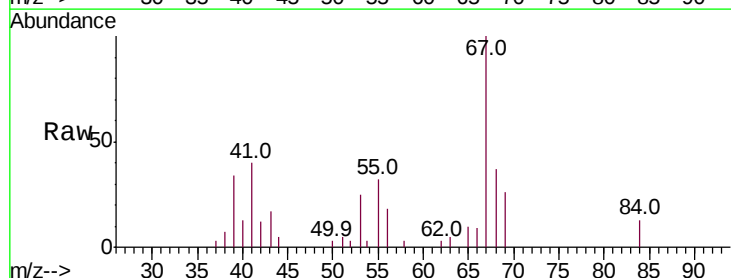
Tgt Ion: 41 Resp: 10704

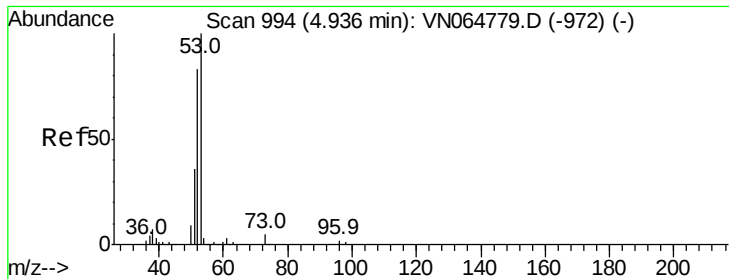
Ion Ratio Lower Upper

41 100

39 83.7 50.9 76.3#

76 0.0 29.0 43.4#





#15

Acrylonitrile

Concen: 7.832 ug/l

RT: 4.97 min Scan# 1005

Delta R.T. 0.04 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

20801

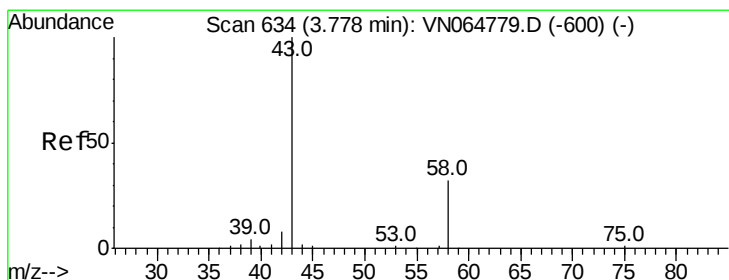
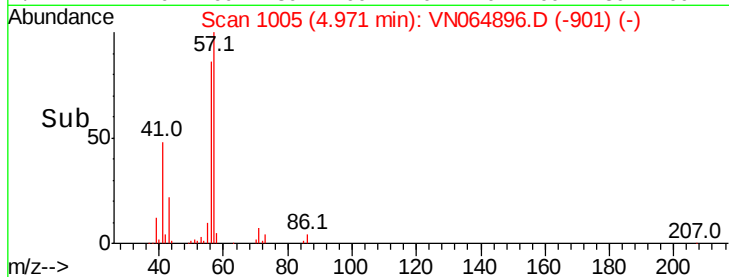
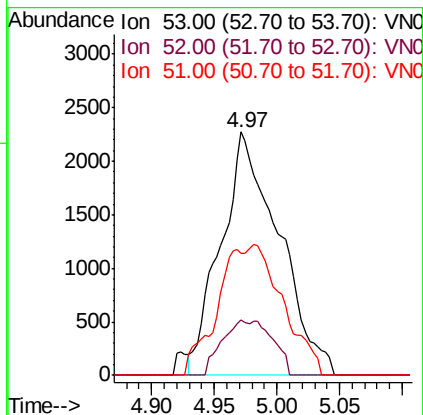
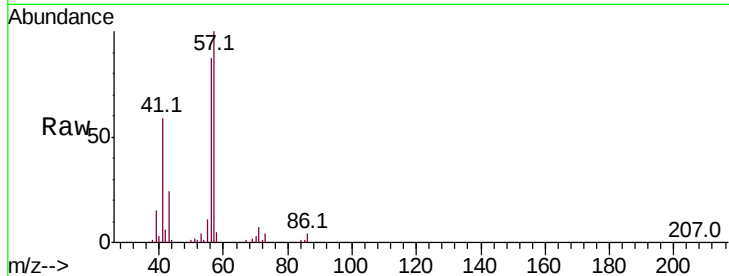
Tot Ion: 53 Resp: 7323

Ion Ratio Lower Upper

53 100

52 10.8 65.5 98.3#

51 24.0 28.6 43.0#



#16

Acetone

Concen: 11156.065 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064896.D

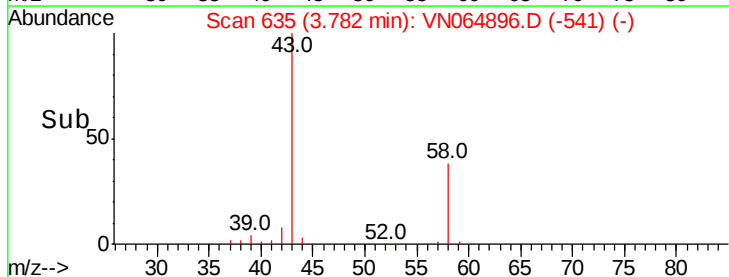
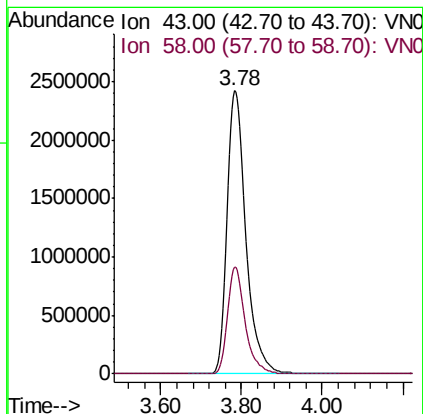
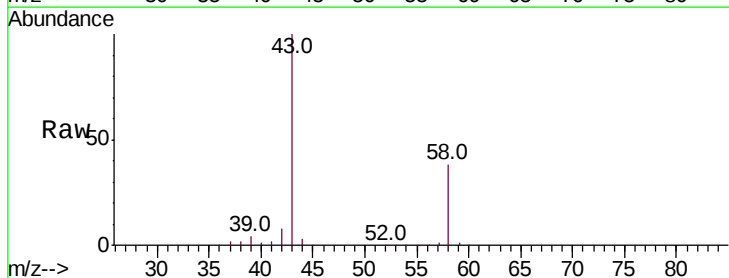
Acq: 3 Dec 2020 14:11

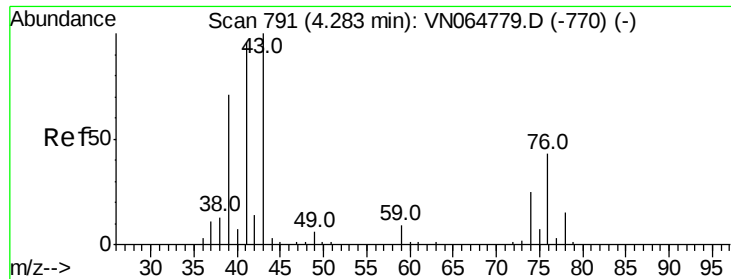
Tgt Ion: 43 Resp: 7958961

Ion Ratio Lower Upper

43 100

58 37.9 25.7 38.5

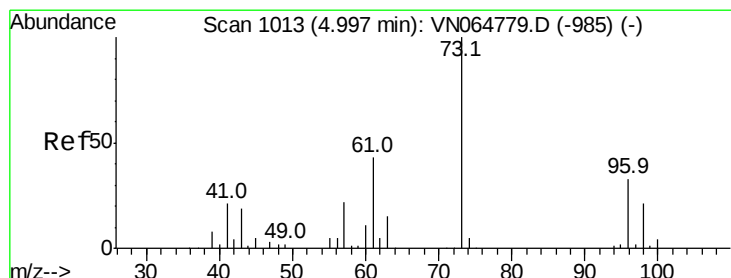
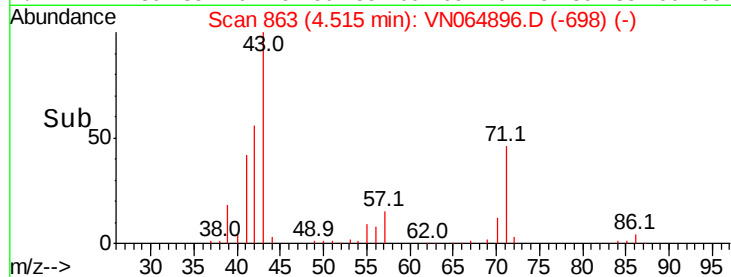
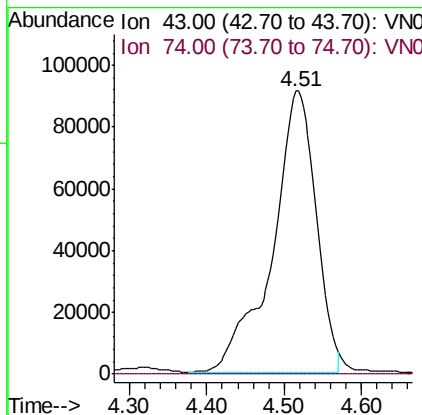
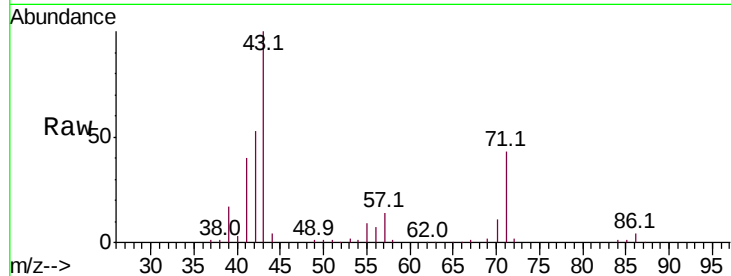




#18
Methyl Acetate
Concen: 167.565 ug/l
RT: 4.51 min Scan# 863
Delta R.T. 0.23 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

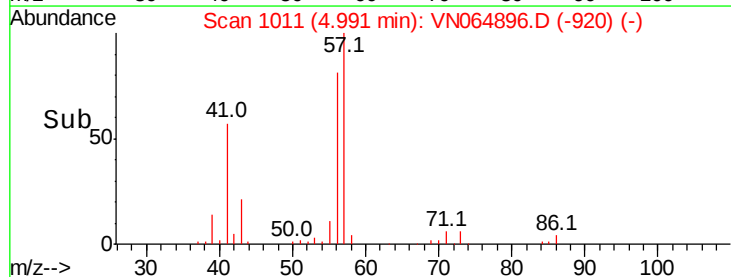
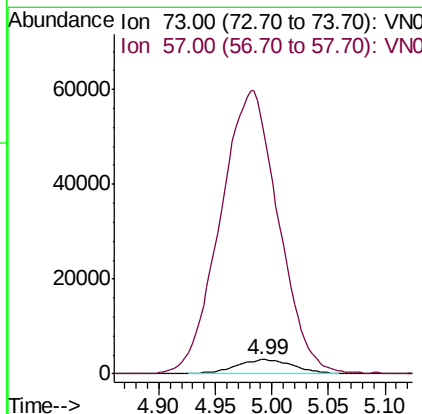
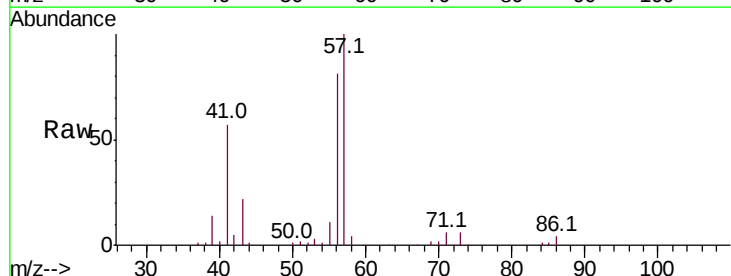
Instrument :
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ClientSampled :
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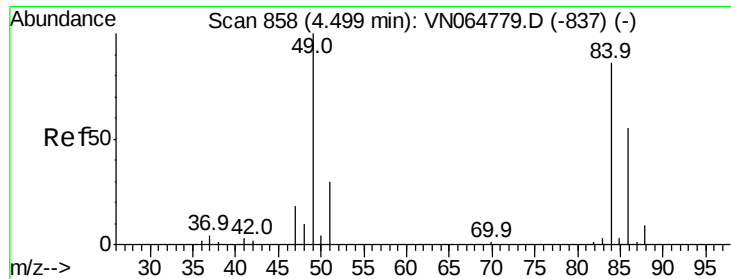
Tot Ion: 43 Resp: 359419
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#19
Methyl tert-butyl Ether
Concen: 1.835 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 73 Resp: 10654
Ion Ratio Lower Upper
73 100
57 1746.1 17.4 26.0#

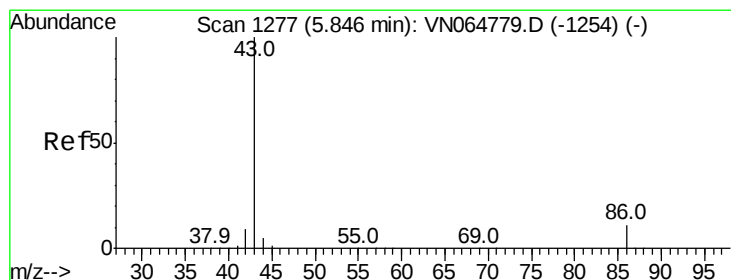
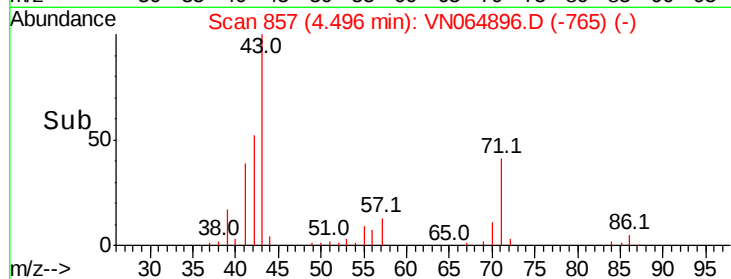
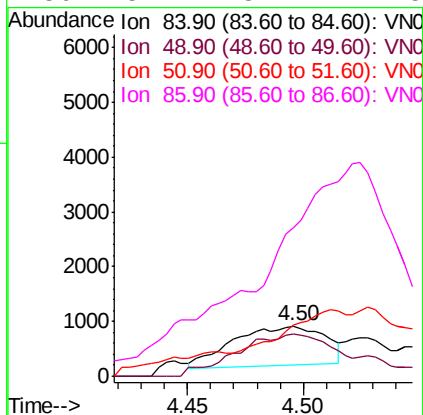
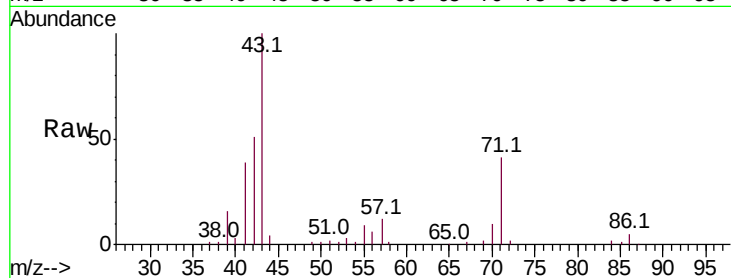




#20
Methvlene Chloride
Concen: 0.879 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

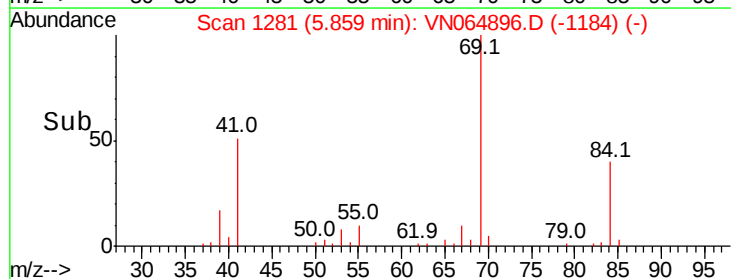
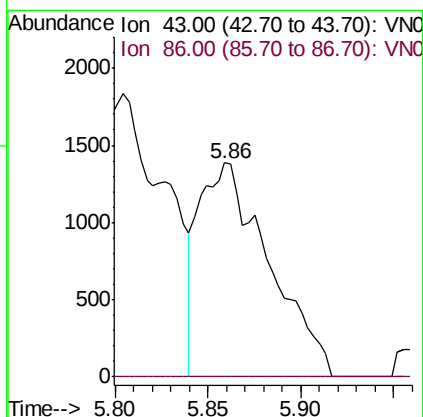
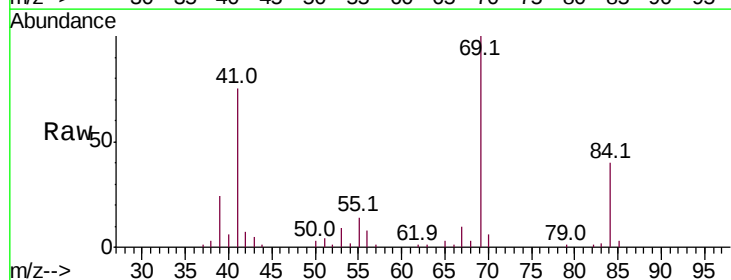
Instrument :
MSVOA_N
ClientSampleId :
20801

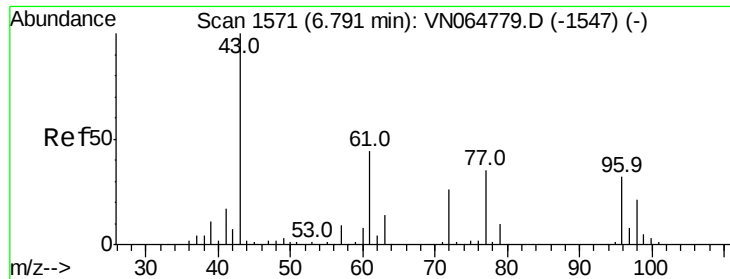
Tot Ion: 84 Resp: 1965
Ion Ratio Lower Upper
84 100
49 91.7 93.4 140.0#
51 90.2 28.2 42.4#
86 251.1 51.7 77.5#



#23
Vinyl Acetate
Concen: 0.757 ug/l
RT: 5.86 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 43 Resp: 3618
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

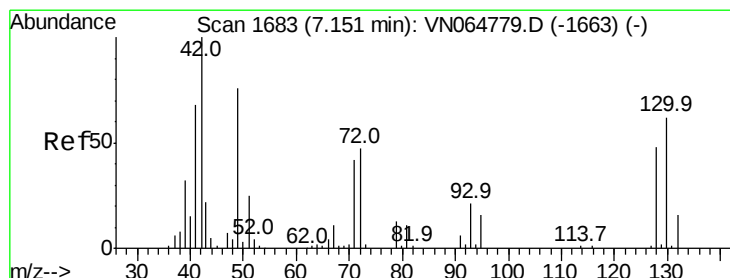
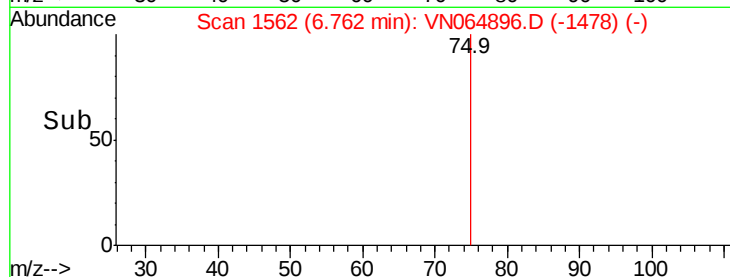
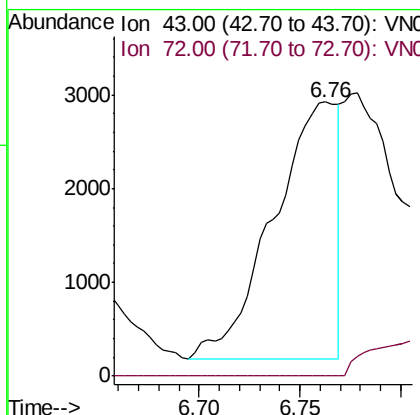
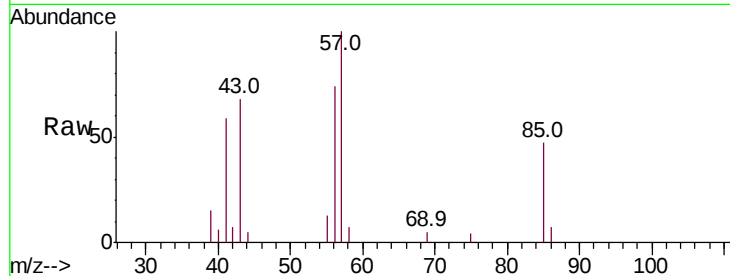




#25
2-Butanone
Concen: 5.276 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.03 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

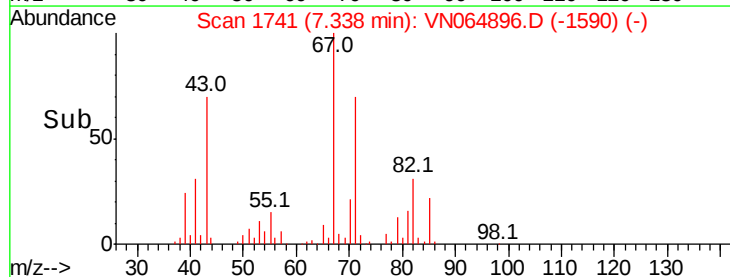
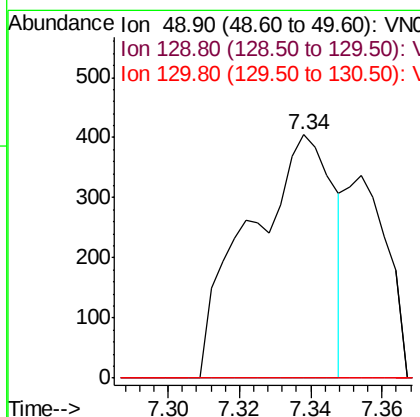
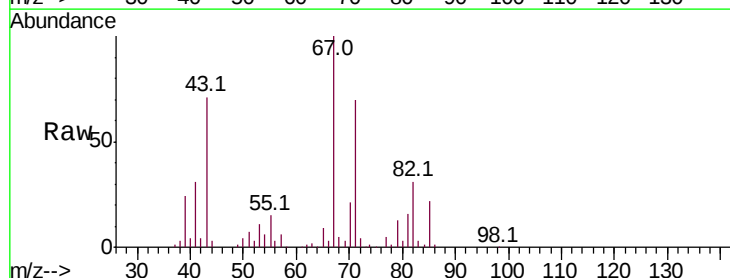
Instrument :
MSVOA_N
ClientSampled :
20801

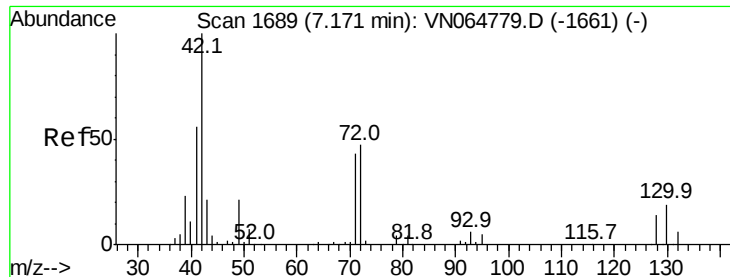
Tot Ion: 43 Resp: 6102
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#28
Bromochloromethane
Concen: 0.405 ug/l
RT: 7.34 min Scan# 1741
Delta R.T. 0.19 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 49 Resp: 662
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 66.2 99.2#





#29

Tetrahydrofuran

Concen: 0.724 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

20801

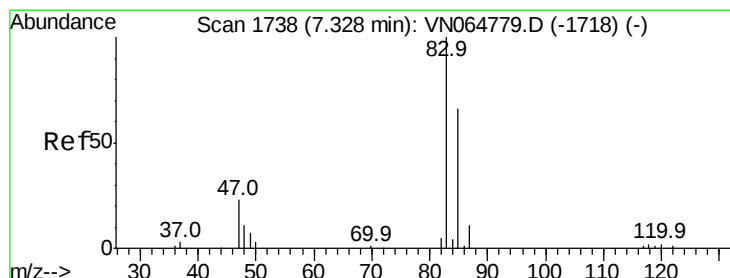
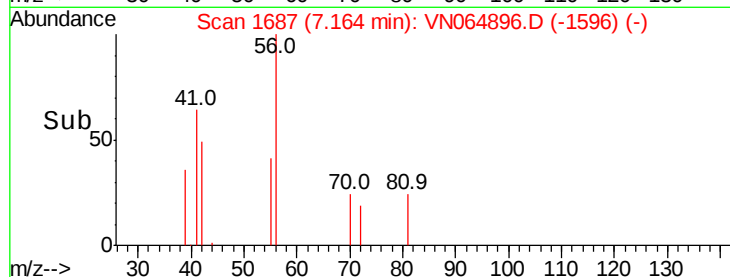
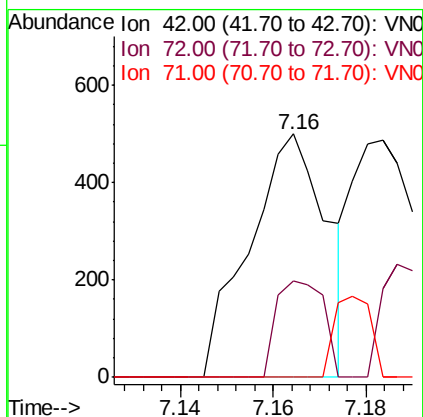
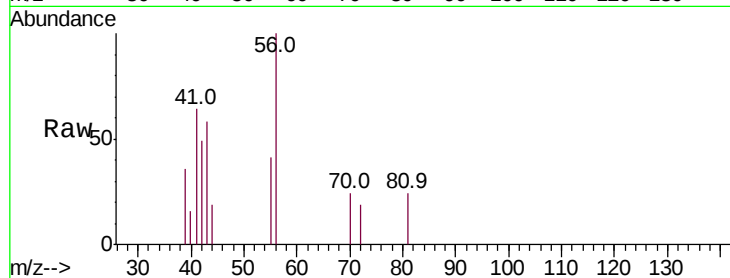
Tot Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.6 50.4#



#30

Chloroform

Concen: 0.815 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN064896.D

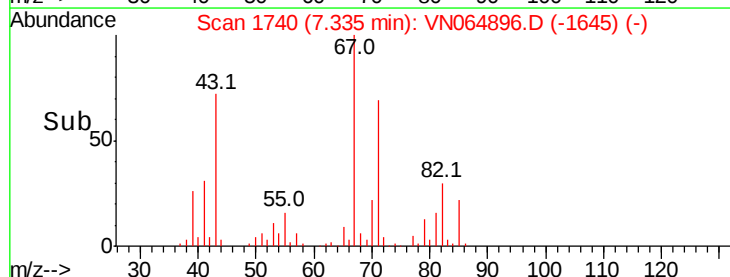
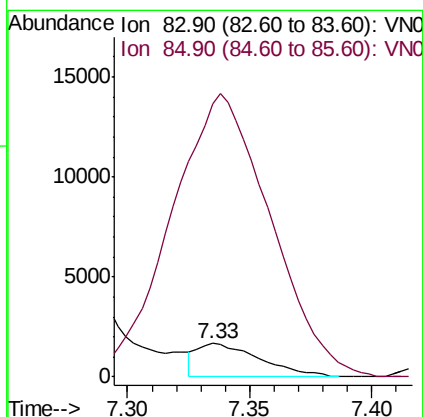
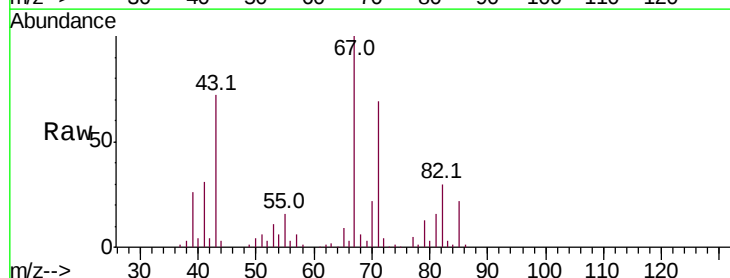
Acq: 3 Dec 2020 14:11

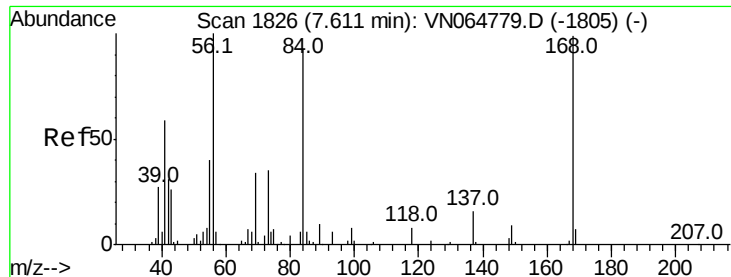
Tgt Ion: 83 Resp: 3001

Ion Ratio Lower Upper

83 100

85 771.1 52.6 78.8#

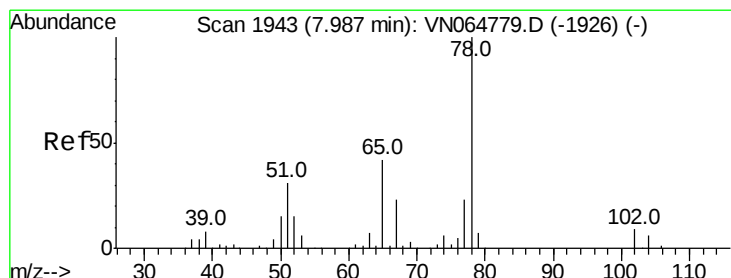
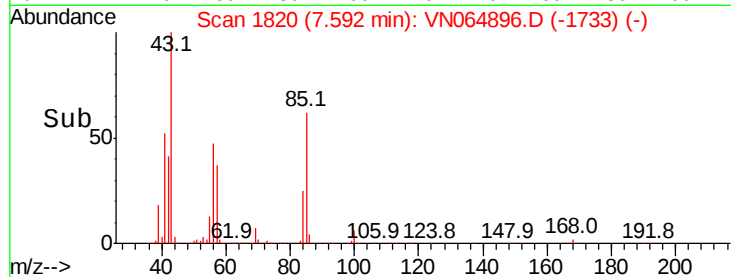
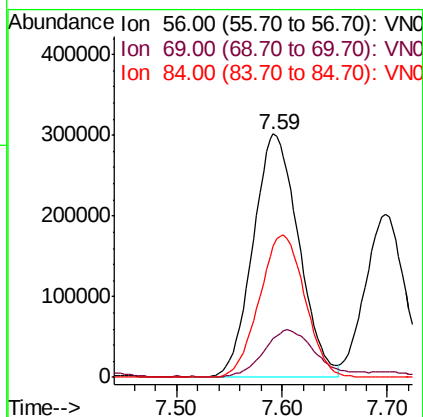
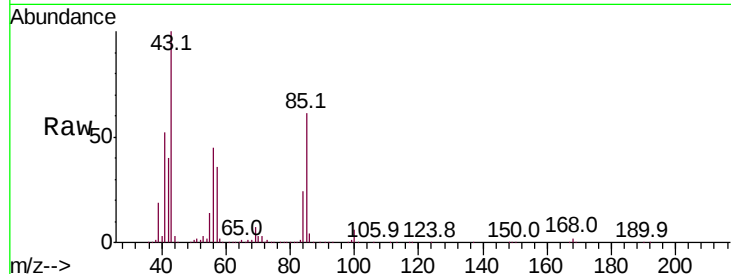




#31
Cvclohexane
Concen: 299.190 ug/l
RT: 7.59 min Scan# 1820
Delta R.T. -0.02 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

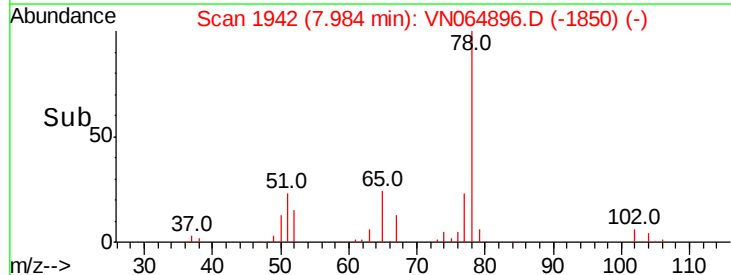
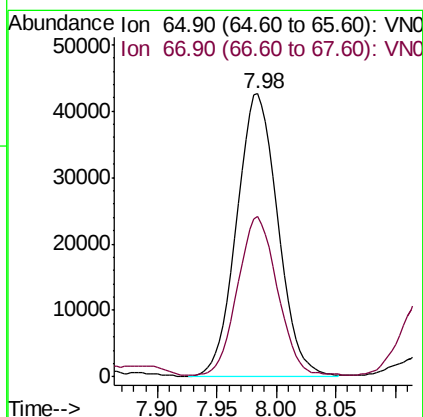
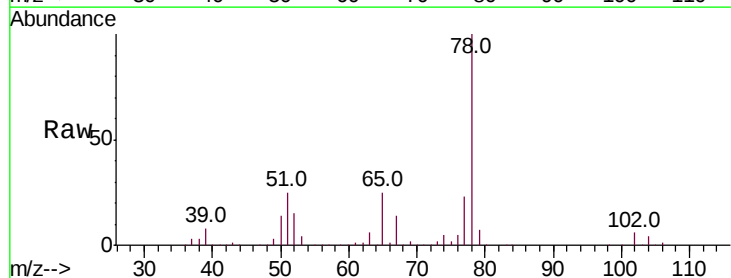
Instrument :
MSVOA_N
ClientSampled :
20801

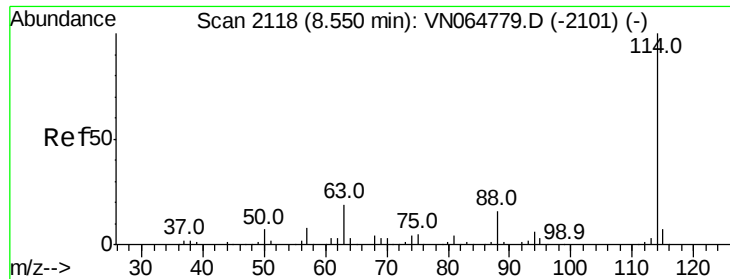
Tot Ion: 56 Resp: 904990
Ion Ratio Lower Upper
56 100
69 15.4 27.5 41.3#
84 54.0 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 47.215 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 65 Resp: 102468
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.2

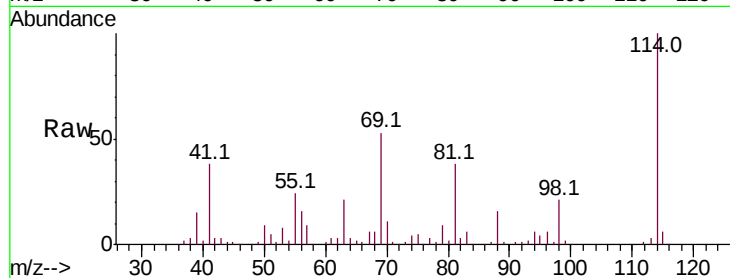




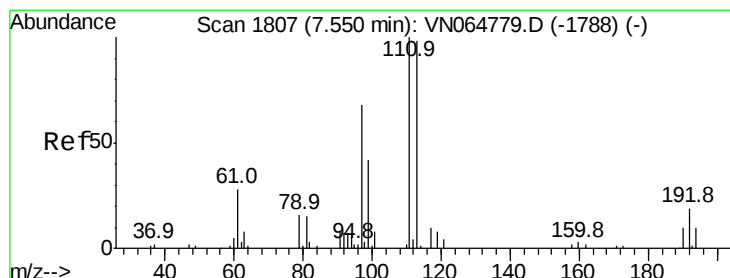
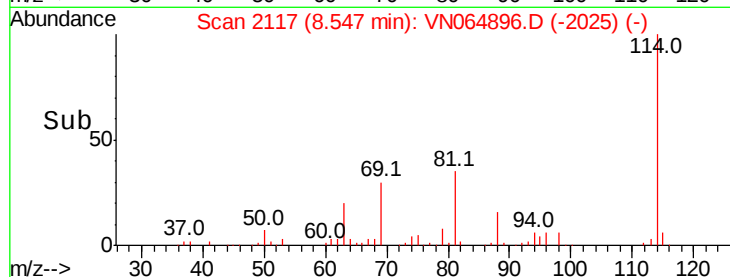
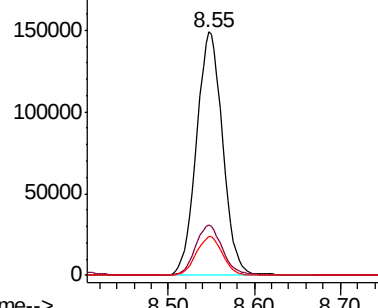
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 20801

Tot Ion:114 Resp: 314791
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.6
 88 16.1 0.0 32.6

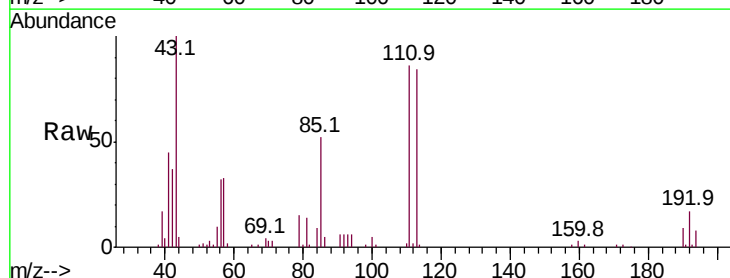


Abundance Ion 113.90 (113.60 to 114.60): V
 200000 Ion 63.00 (62.70 to 63.70): VN
 150000 Ion 87.90 (87.60 to 88.60): VN

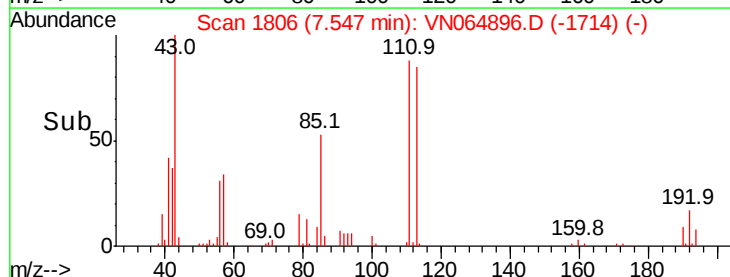
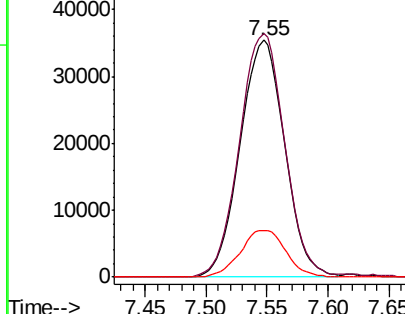


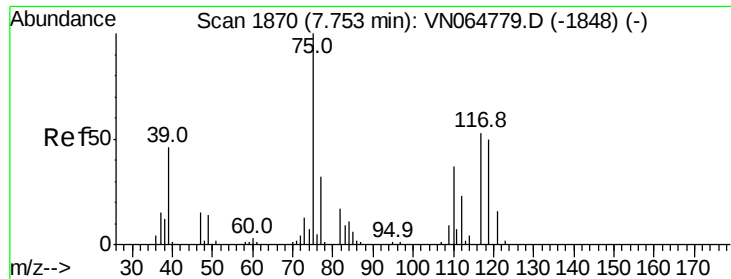
#35
 Dibromofluoromethane
 Concen: 47.613 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

Tgt Ion:113 Resp: 89684
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.6 122.4
 192 20.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 50000 Ion 110.80 (110.50 to 111.50): V
 40000 Ion 191.70 (191.40 to 192.40): V

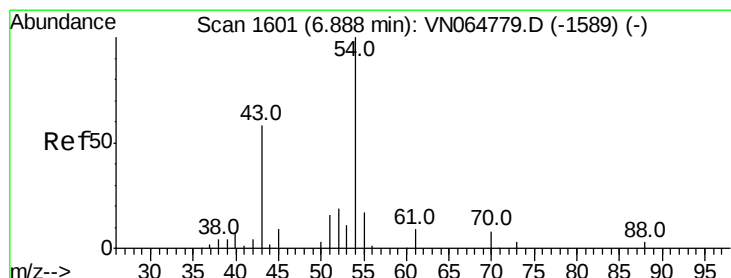
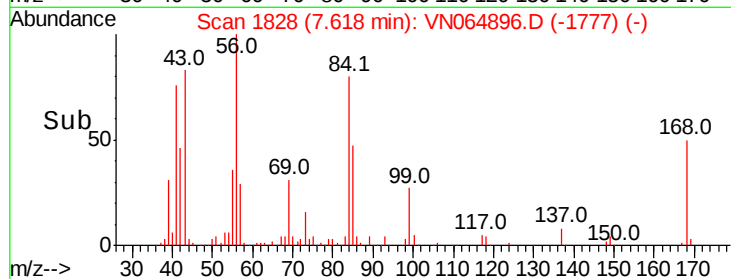
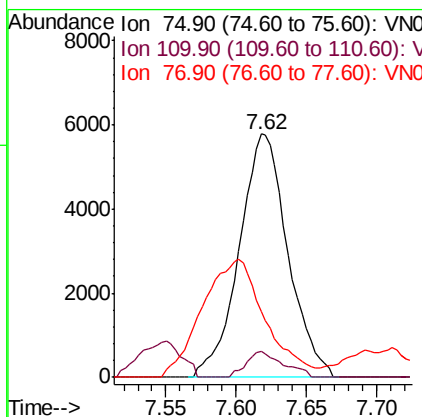
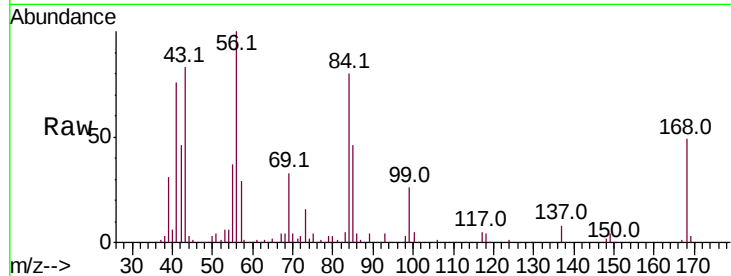




#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

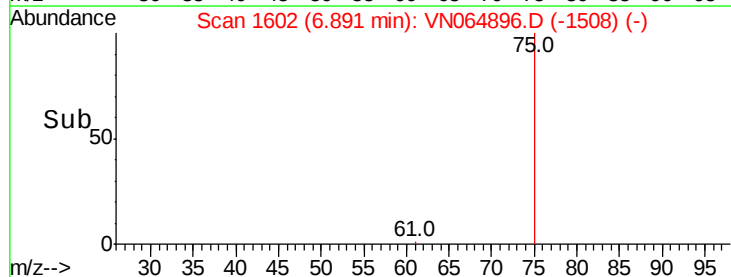
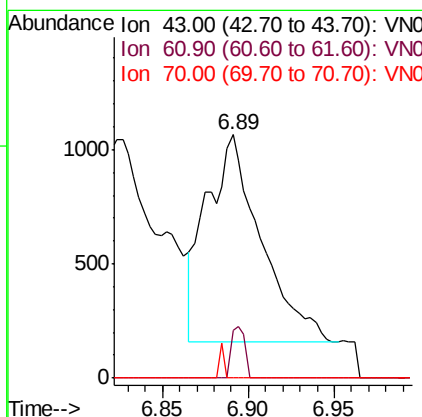
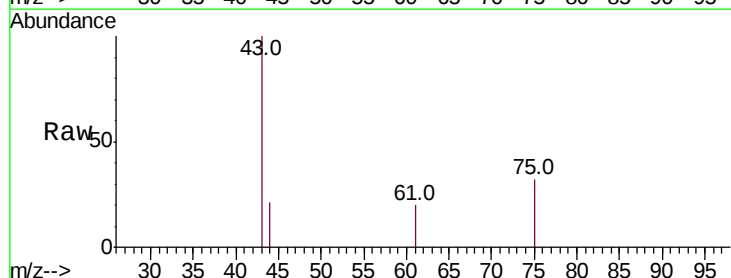
Instrument :
 MSVOA_N
 ClientSampled :
 20801

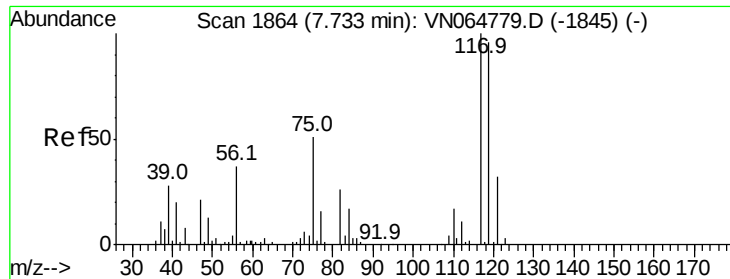
Tot Ion: 75 Resp: 13897
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.8 53.3#
 77 62.7 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.713 ug/l
 RT: 6.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

Tgt Ion: 43 Resp: 2005
 Ion Ratio Lower Upper
 43 100
 61 6.0 12.8 19.2#
 70 0.0 8.8 13.2#

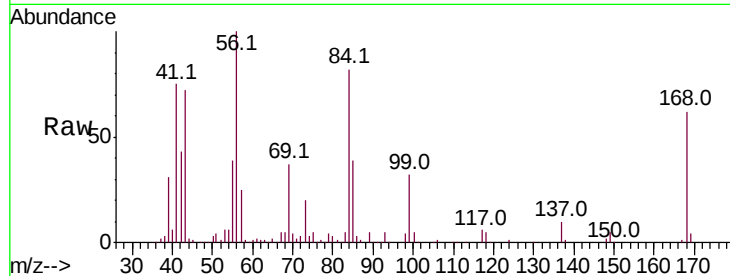




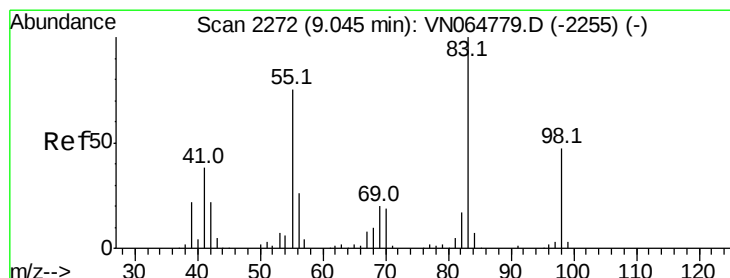
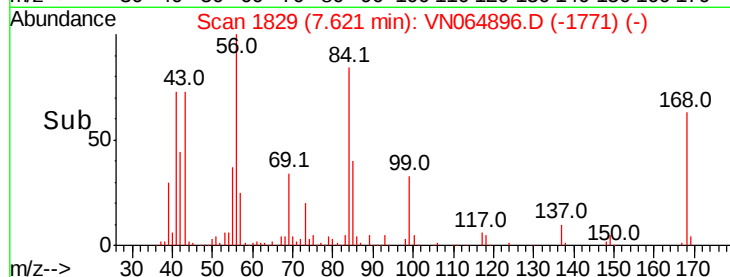
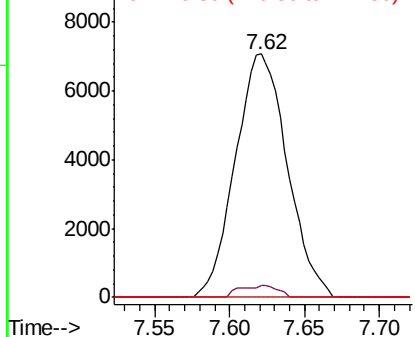
#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion:117 Resp: 17076
Ion Ratio Lower Upper
117 100
119 4.7 76.7 115.1#
121 0.0 25.4 38.2#

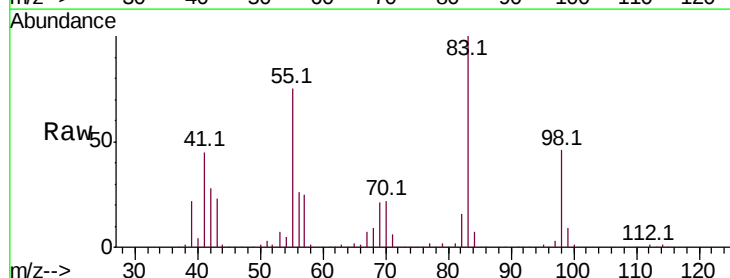


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

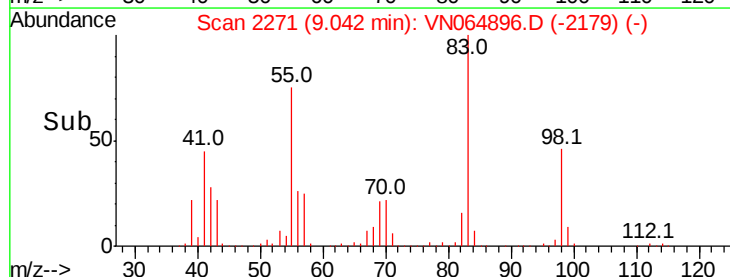
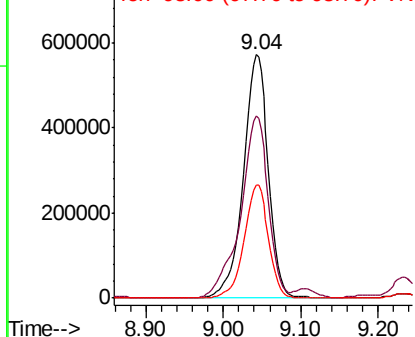


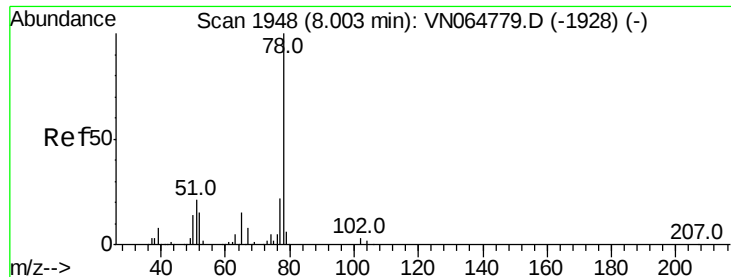
#39
Methylcyclohexane
Concen: 408.998 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 83 Resp: 1284669
Ion Ratio Lower Upper
83 100
55 74.8 60.2 90.2
98 46.5 37.4 56.2



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





#40

Benzene

Concen: 65.705 ug/l

RT: 8.00 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

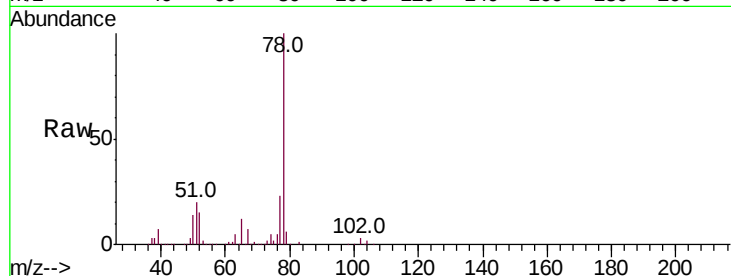
20801

Tot Ion: 78 Resp: 587475

Ion Ratio Lower Upper

78 100

77 22.9 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.00

250000

200000

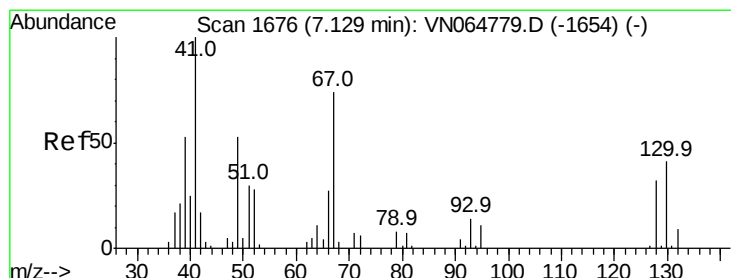
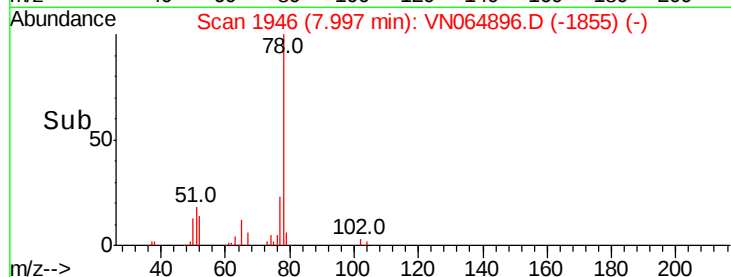
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 5.068 ug/l

RT: 7.28 min Scan# 1722

Delta R.T. 0.15 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Tgt Ion: 41 Resp: 6572

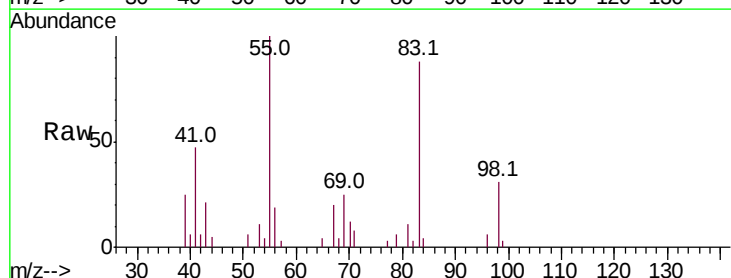
Ion Ratio Lower Upper

41 100

39 37.4 51.0 76.6#

67 0.0 79.8 119.8#

52 0.0 31.5 47.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

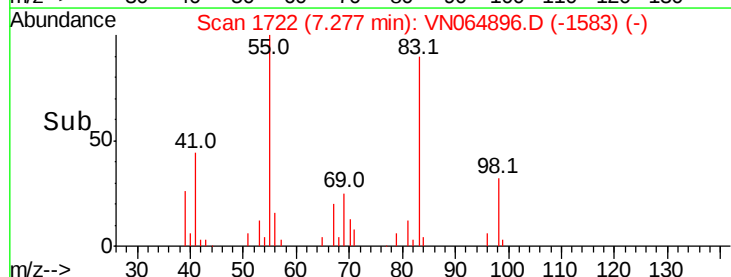
60000

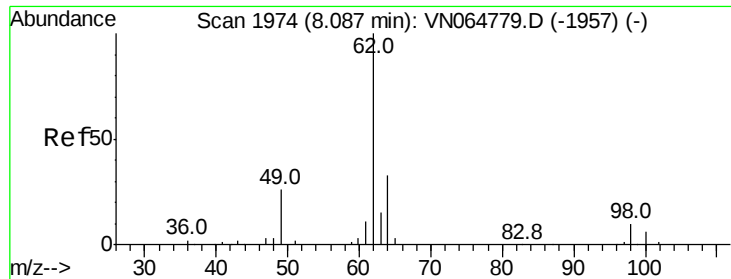
40000

20000

0

Time-->





#42

1,2-Dichloroethane

Concen: 0.429 ug/l

RT: 8.10 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

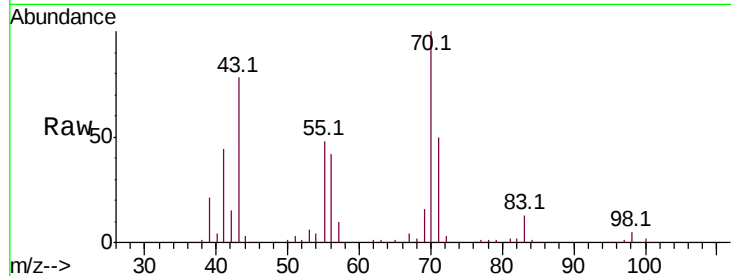
20801

Tot Ion: 62 Resp: 1294

Ion Ratio Lower Upper

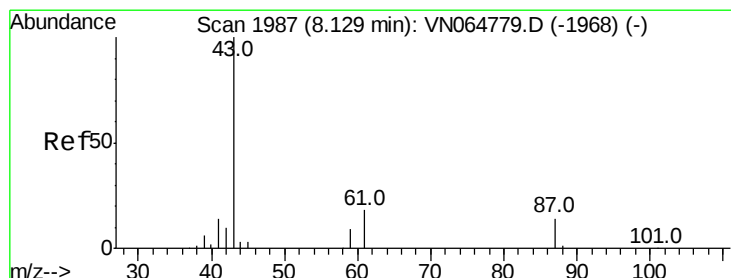
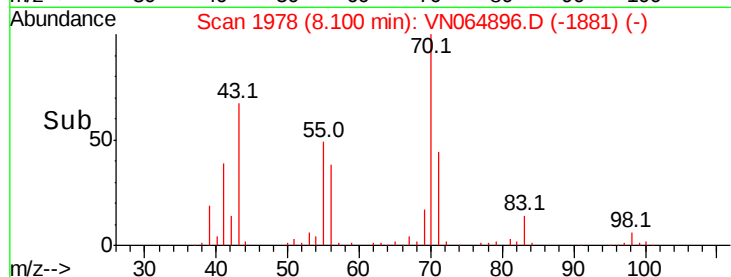
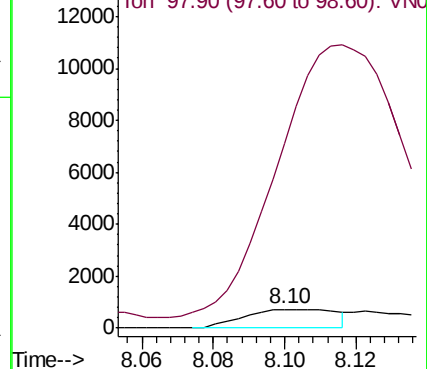
62 100

98 2099.9 0.0 19.6#



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#43

Isopropyl Acetate

Concen: 60.174 ug/l

RT: 8.11 min Scan# 1980

Delta R.T. -0.02 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

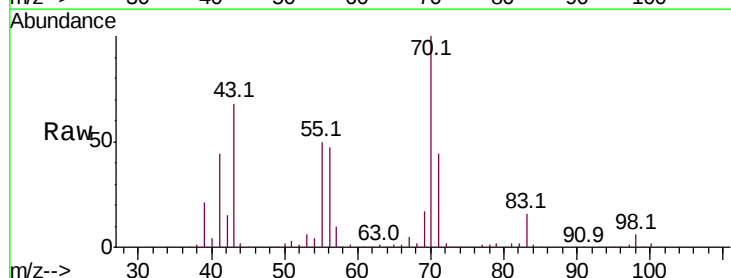
Tgt Ion: 43 Resp: 272148

Ion Ratio Lower Upper

43 100

61 0.2 17.2 25.8#

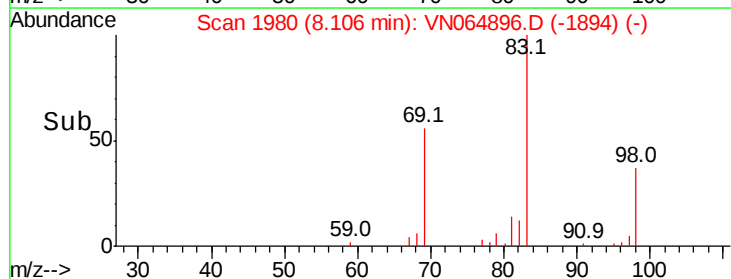
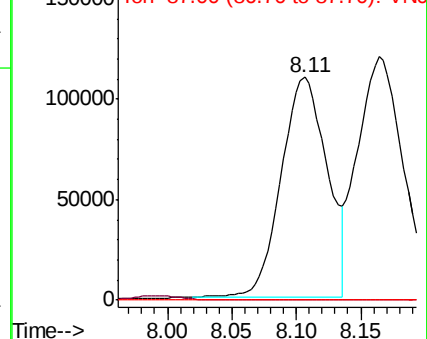
87 0.0 11.4 17.0#

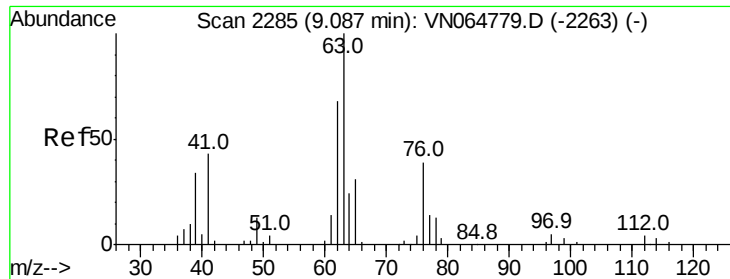


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

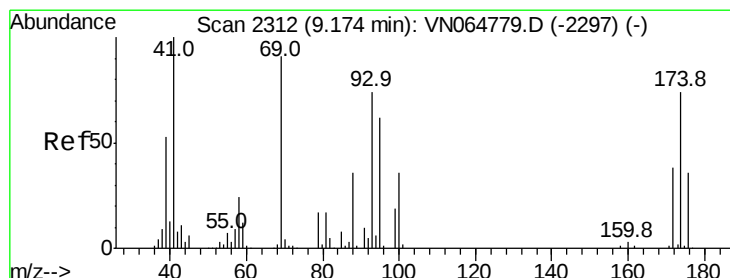
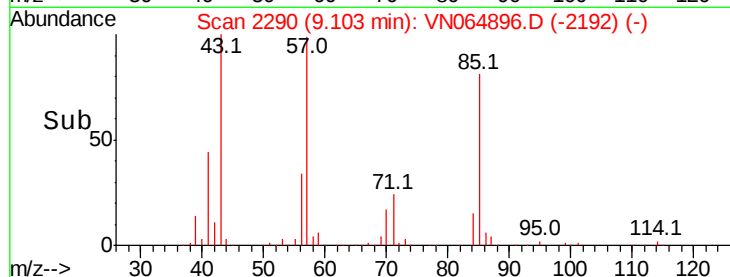
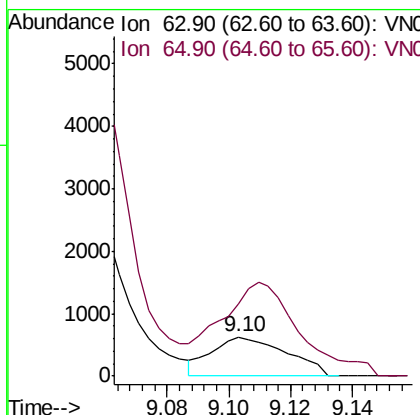
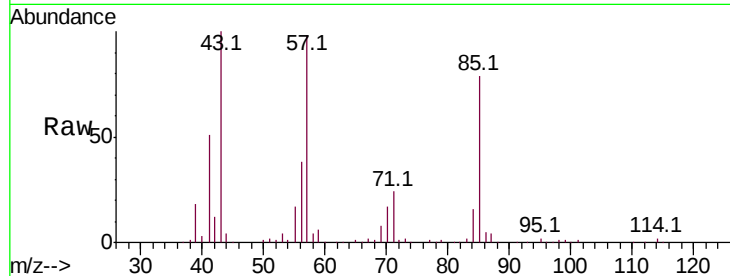




#45
 1,2-Dichloropropane
 Concen: 0.455 ug/l
 RT: 9.10 min Scan# 2290
 Delta R.T. 0.02 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

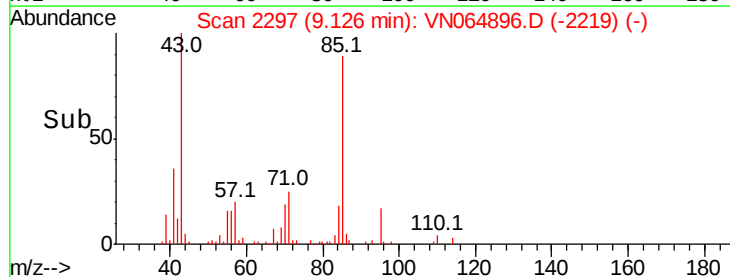
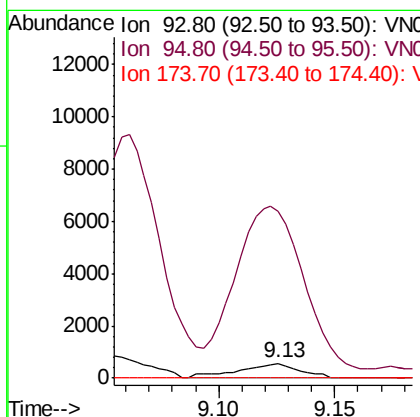
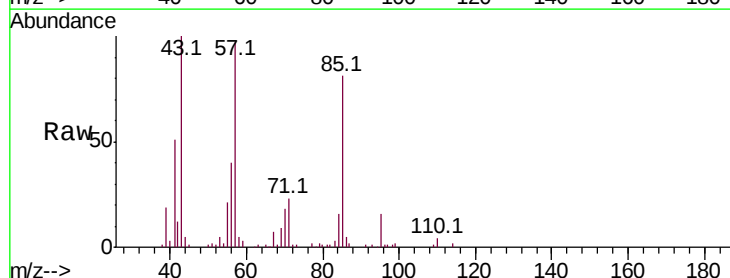
Instrument :
 MSVOA_N
 ClientSampled :
 20801

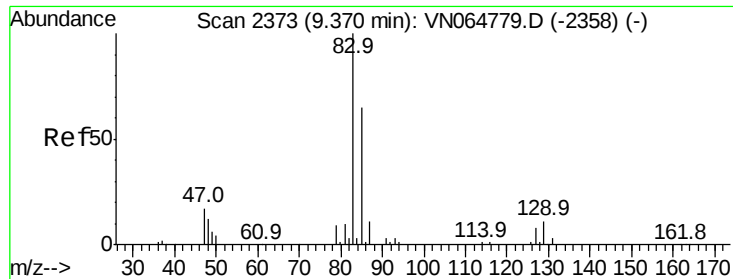
Tot Ion: 63 Resp: 1054
 Ion Ratio Lower Upper
 63 100
 65 144.1 25.0 37.4#



#46
 Dibromomethane
 Concen: 0.672 ug/l
 RT: 9.13 min Scan# 2297
 Delta R.T. -0.05 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

Tgt Ion: 93 Resp: 1039
 Ion Ratio Lower Upper
 93 100
 95 1232.8 68.8 103.2#
 174 0.0 83.1 124.7#





#47

Bromodichloromethane

Concen: 10.884 ug/l

RT: 9.35 min Scan# 2366

Delta R.T. -0.02 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

20801

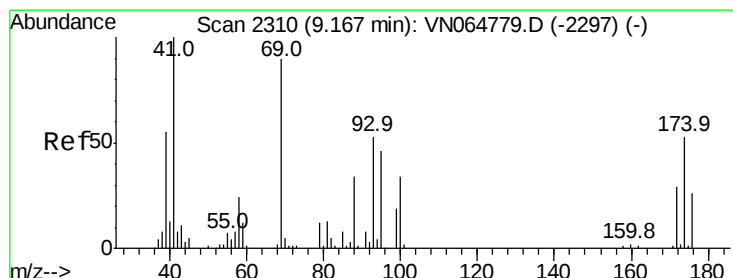
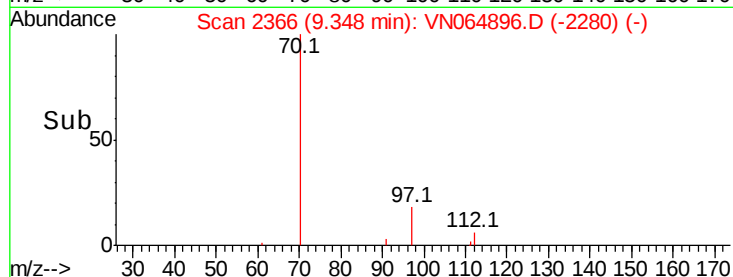
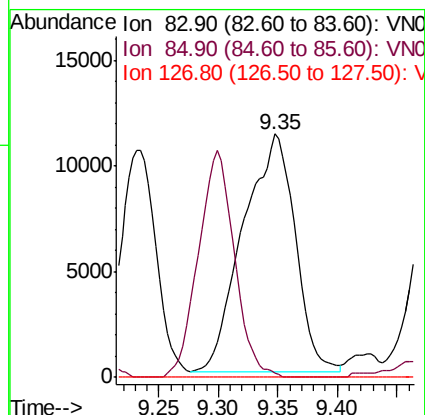
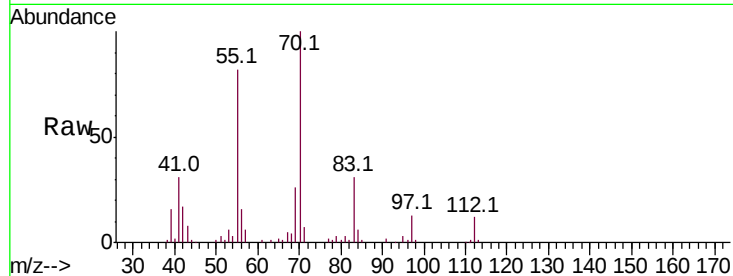
Tot Ion: 83 Resp: 33876

Ion Ratio Lower Upper

83 100

85 1.9 51.8 77.8#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 38.487 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

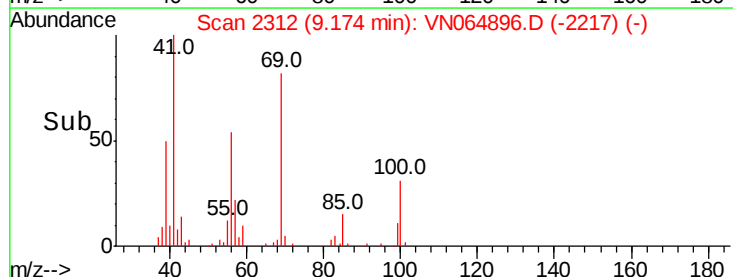
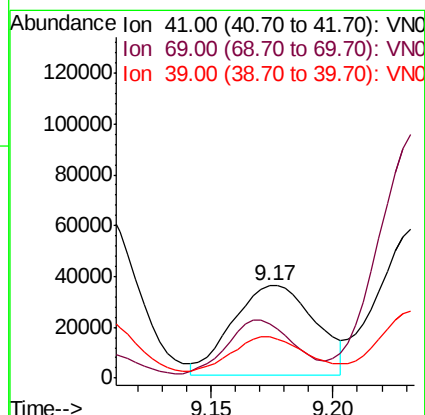
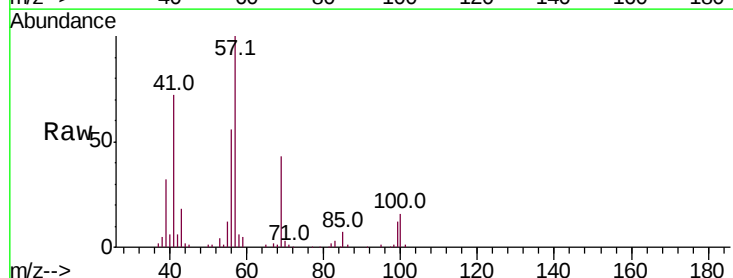
Tgt Ion: 41 Resp: 83173

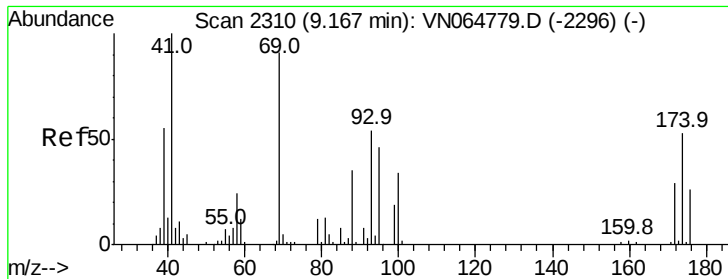
Ion Ratio Lower Upper

41 100

69 51.3 71.8 107.8#

39 39.3 44.1 66.1#





#49

1,4-Dioxane

Concen: 12.584 ug/l

RT: 9.10 min Scan# 2288

Delta R.T. -0.07 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
20801

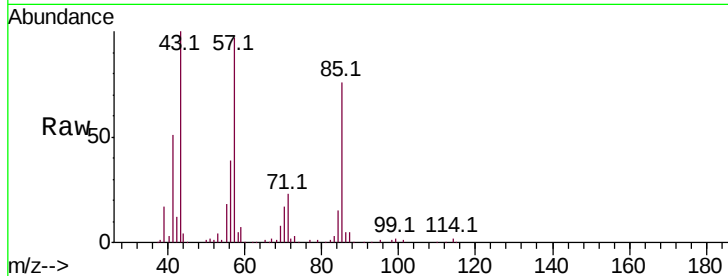
Tot Ion: 88 Resp: 514

Ion Ratio Lower Upper

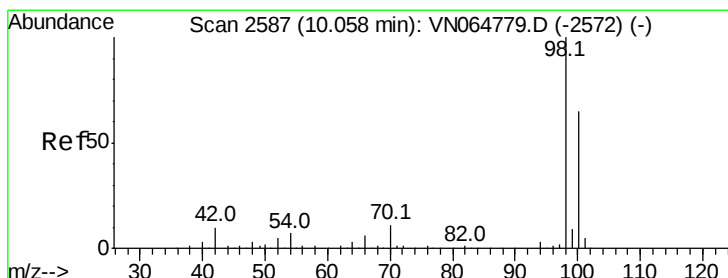
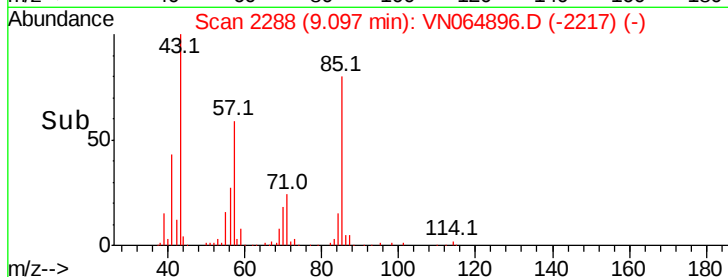
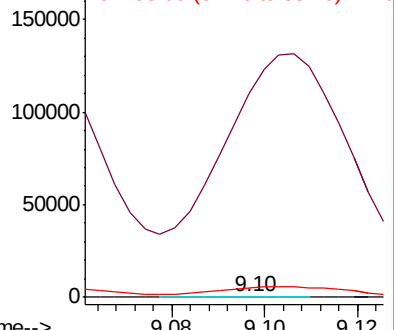
88 100

43 51785.6 24.2 36.4#

58 2281.3 52.5 78.7#



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: 55.403 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064896.D

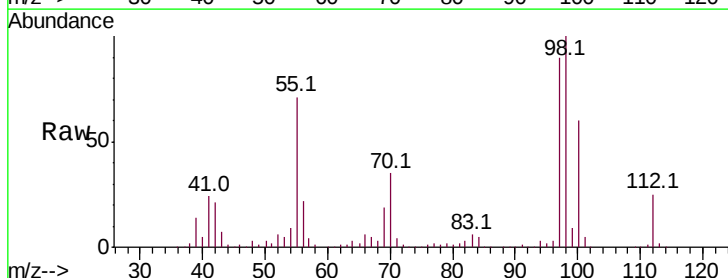
Acq: 3 Dec 2020 14:11

Tgt Ion: 98 Resp: 426395

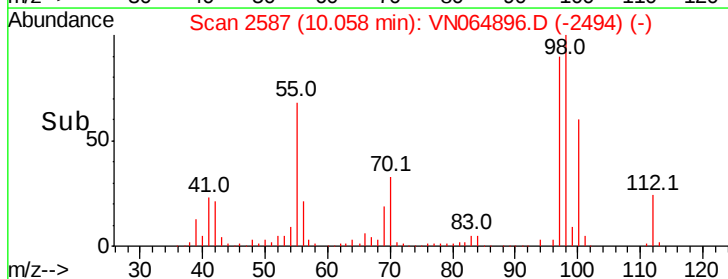
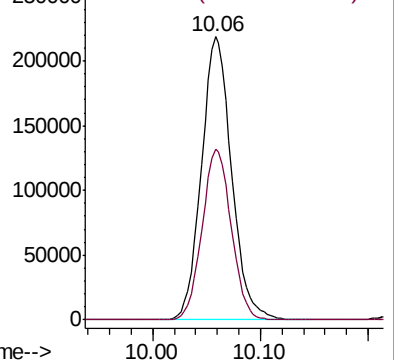
Ion Ratio Lower Upper

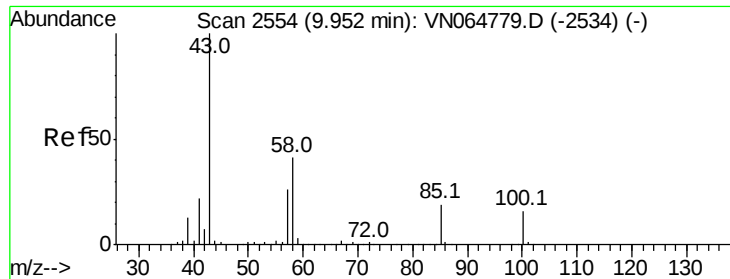
98 100

100 58.1 51.7 77.5



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: 21.619 ug/l

RT: 9.99 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

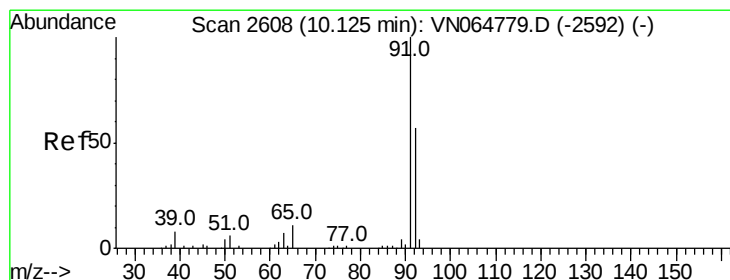
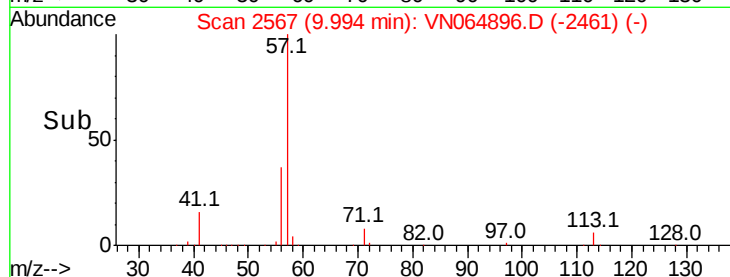
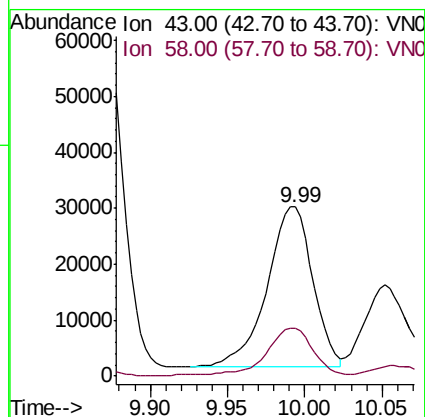
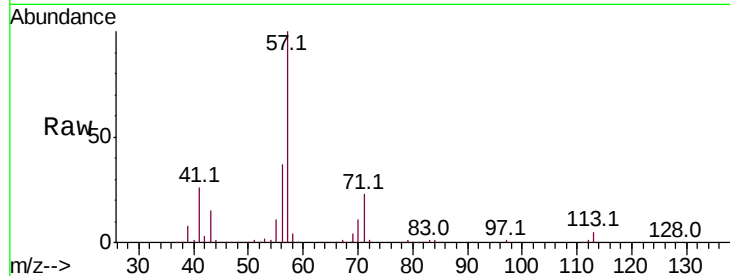
20801

Tot Ion: 43 Resp: 58698

Ion Ratio Lower Upper

43 100

58 28.8 32.4 48.6#



#52

Toluene

Concen: 2066.527 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064896.D

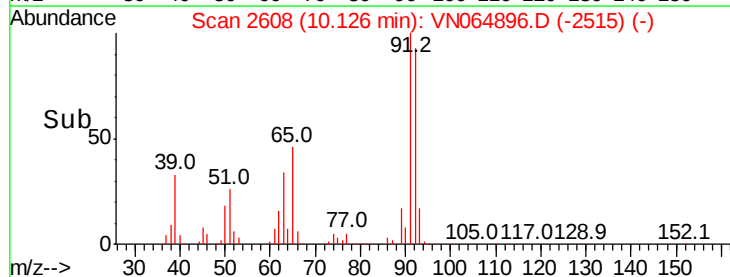
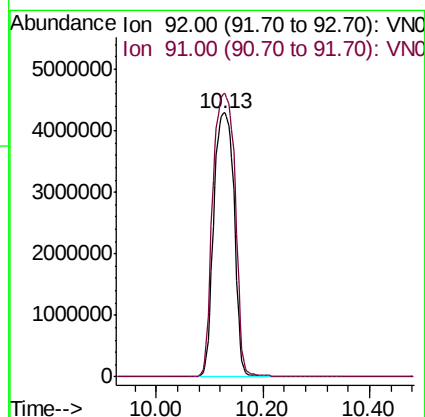
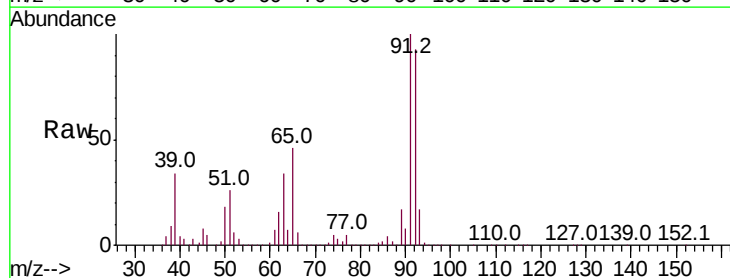
Acq: 3 Dec 2020 14:11

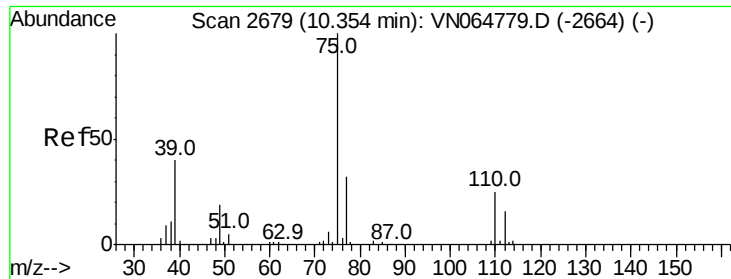
Tgt Ion: 92 Resp: 11378943

Ion Ratio Lower Upper

92 100

91 117.9 139.1 208.7#





#53

t-1,3-Dichloropropene

Concen: 72.952 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.23 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

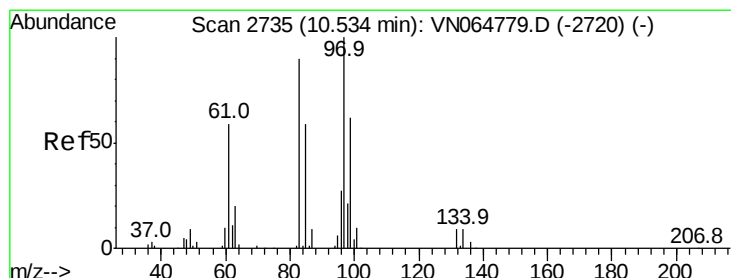
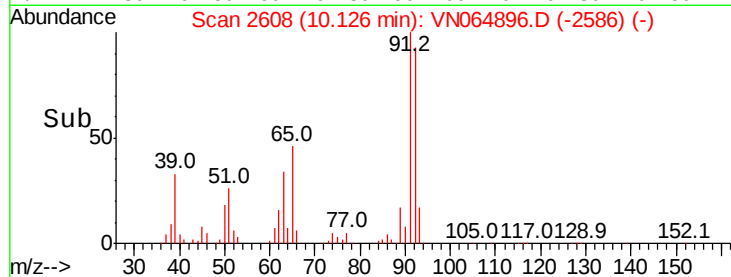
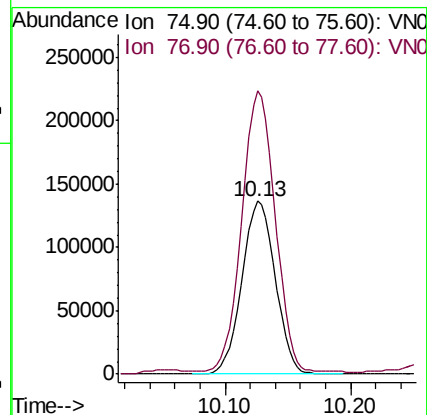
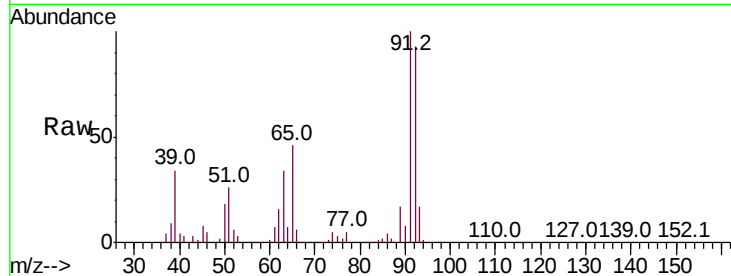
20801

Tot Ion: 75 Resp: 252905

Ion Ratio Lower Upper

75 100

77 162.4 25.8 38.6#



#55

1,1,2-Trichloroethane

Concen: 91.840 ug/l

RT: 10.50 min Scan# 2724

Delta R.T. -0.04 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Tgt Ion: 97 Resp: 207950

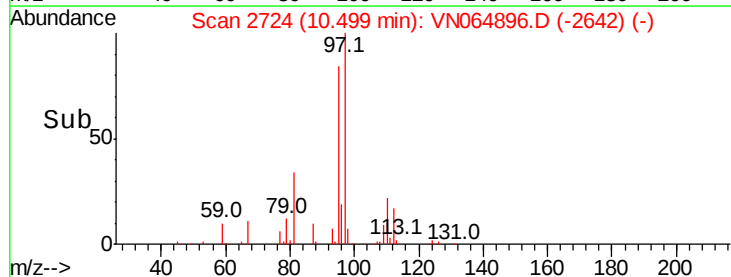
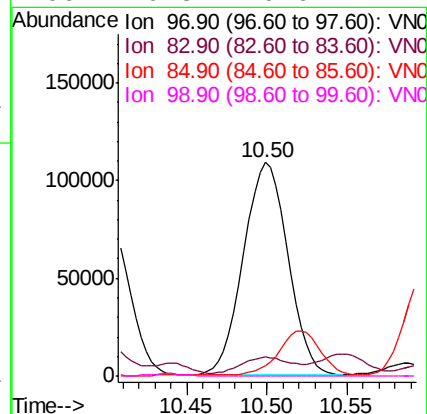
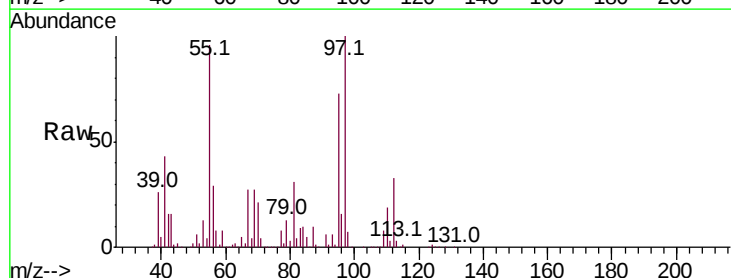
Ion Ratio Lower Upper

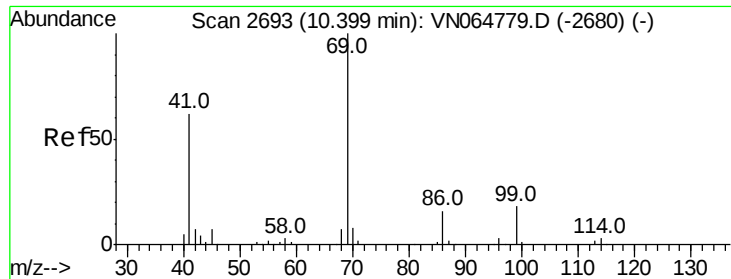
97 100

83 5.6 72.1 108.1#

85 4.5 46.8 70.2#

99 0.3 49.6 74.4#





#56

Ethyl methacrylate

Concen: 3.053 ug/l

RT: 10.37 min Scan# 2683

Delta R.T. -0.03 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

20801

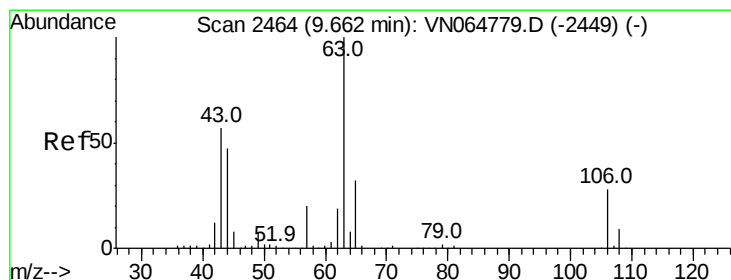
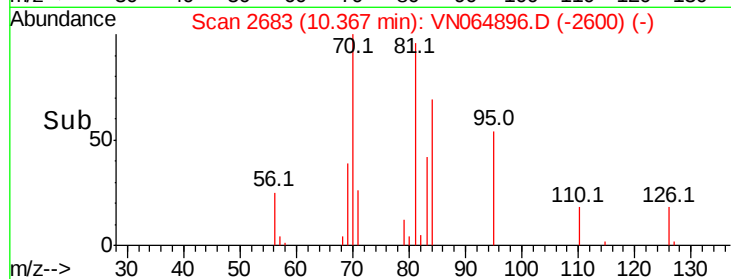
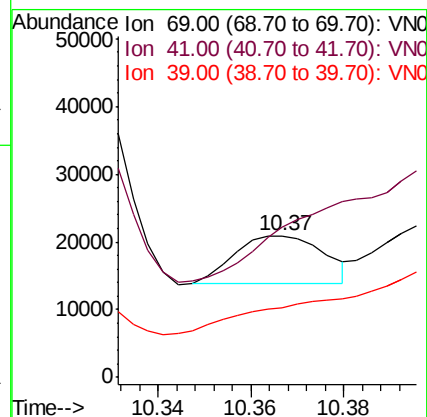
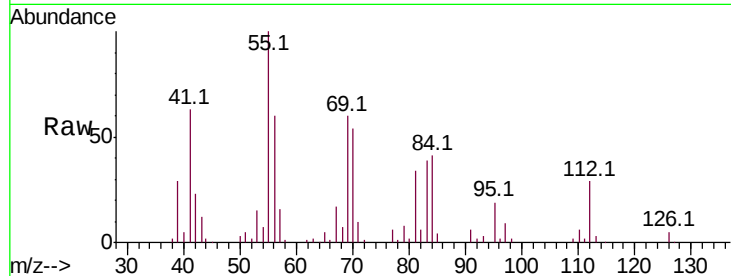
Tot Ion: 69 Resp: 9539

Ion Ratio Lower Upper

69 100

41 0.0 49.4 74.0#

39 0.0 25.9 38.9#



#58

2-Chloroethyl Vinyl ether

Concen: 0.638 ug/l

RT: 9.69 min Scan# 2473

Delta R.T. 0.03 min

Lab File: VN064896.D

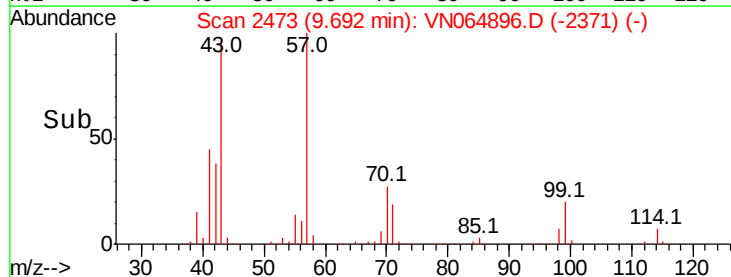
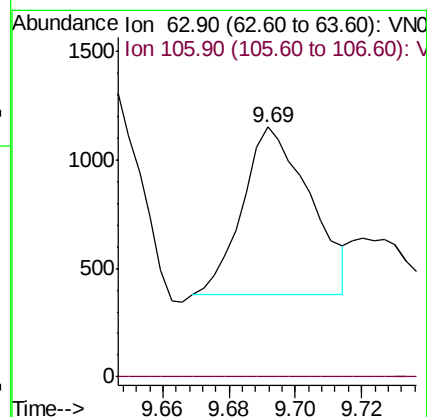
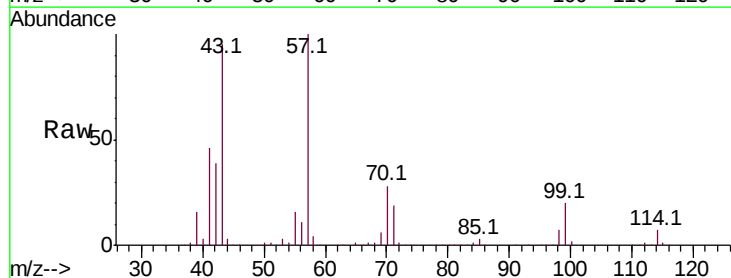
Acq: 3 Dec 2020 14:11

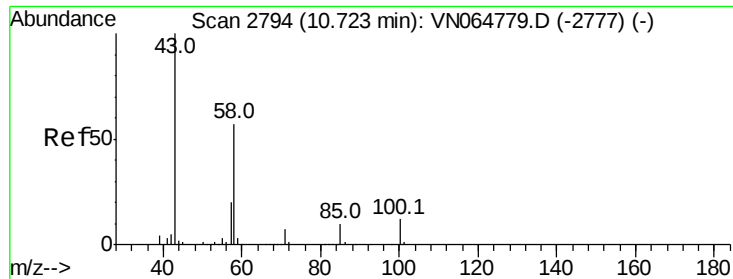
Tgt Ion: 63 Resp: 1097

Ion Ratio Lower Upper

63 100

106 0.0 22.7 34.1#





#59

2-Hexanone

Concen: 95.449 ug/l

RT: 10.69 min Scan# 2783

Delta R.T. -0.04 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

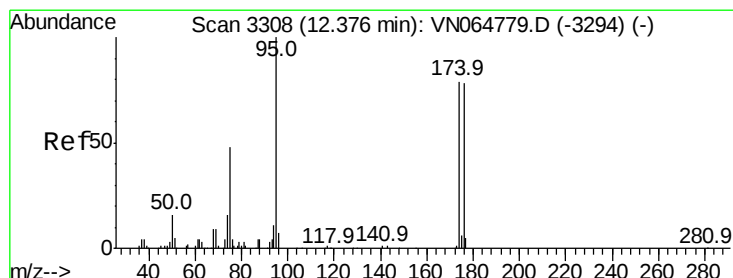
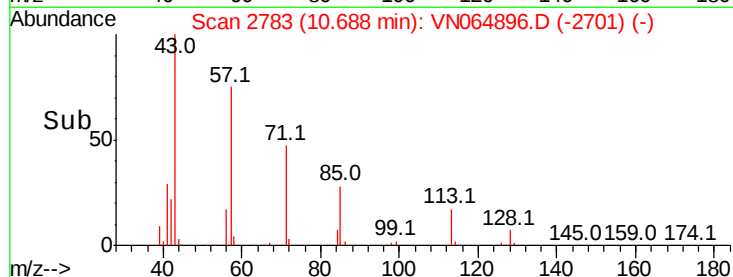
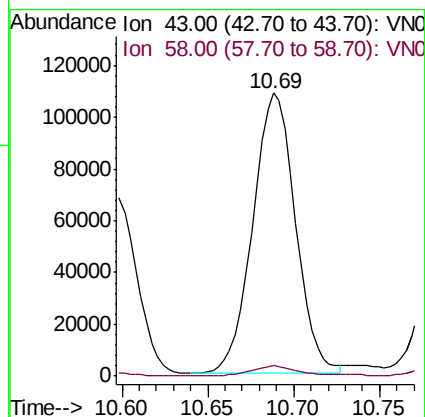
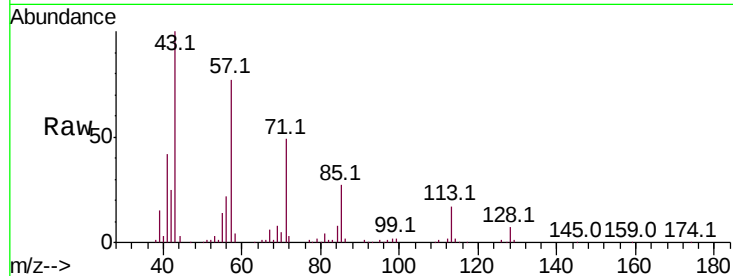
20801

Tot Ion: 43 Resp: 186513

Ion Ratio Lower Upper

43 100

58 3.8 28.3 84.9#



#62

4-Bromofluorobenzene

Concen: 66.248 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

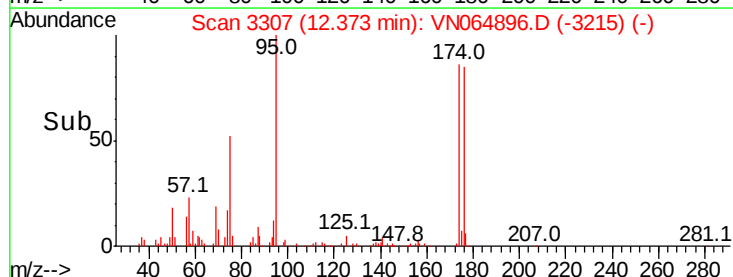
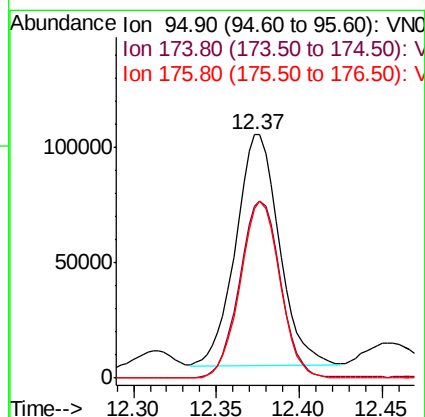
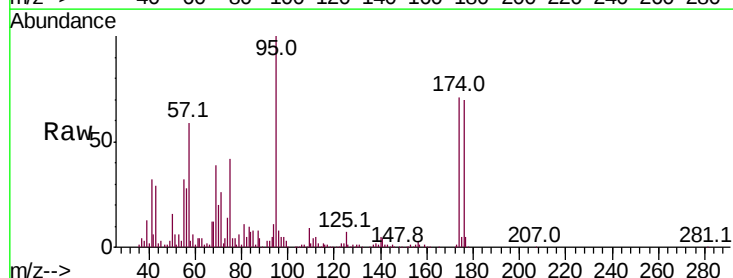
Tgt Ion: 95 Resp: 182470

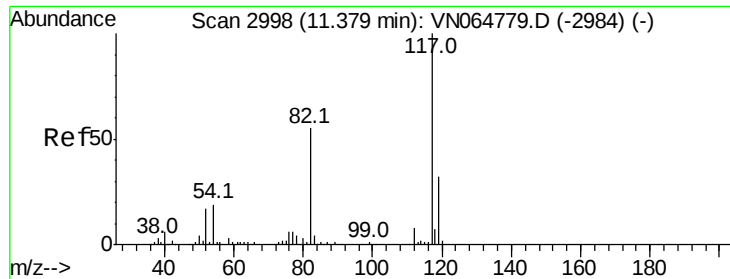
Ion Ratio Lower Upper

95 100

174 72.2 0.0 160.4

176 70.4 0.0 158.4

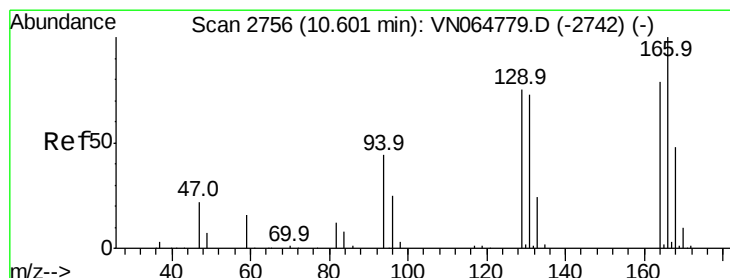
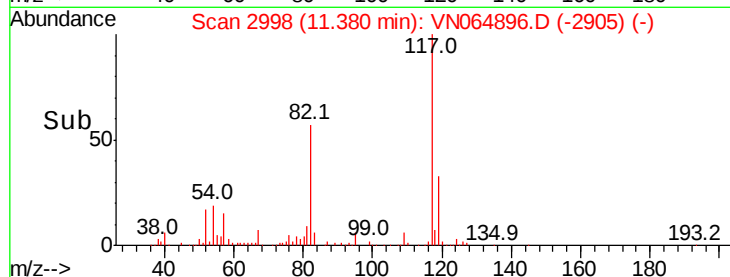
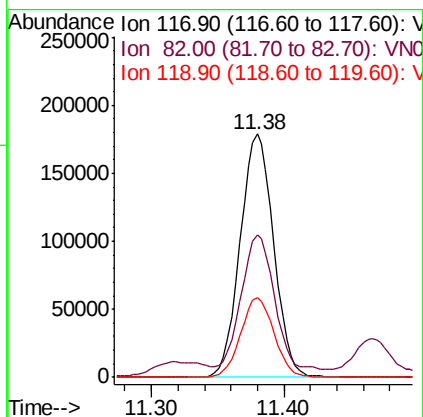
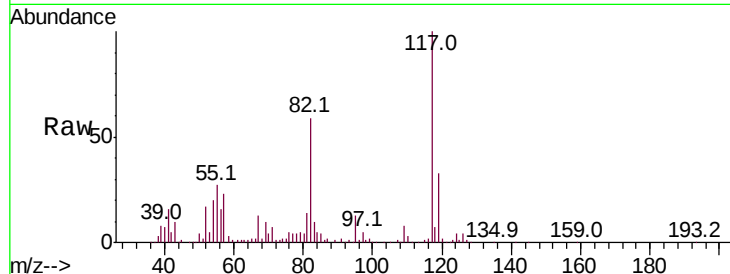




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

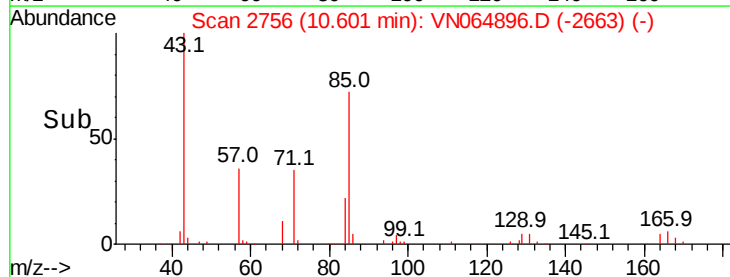
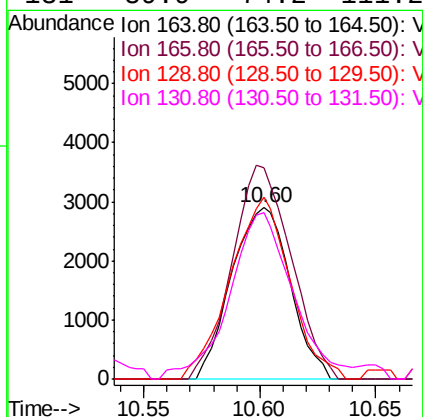
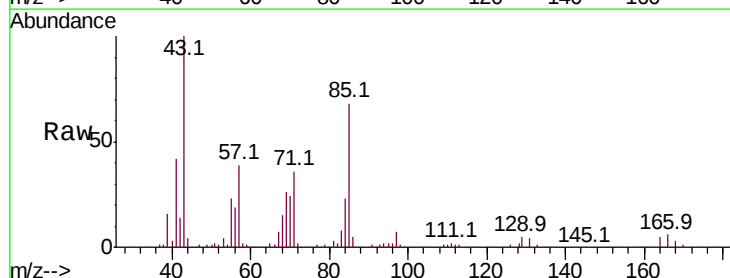
Instrument :
MSVOA_N
ClientSampleId :
20801

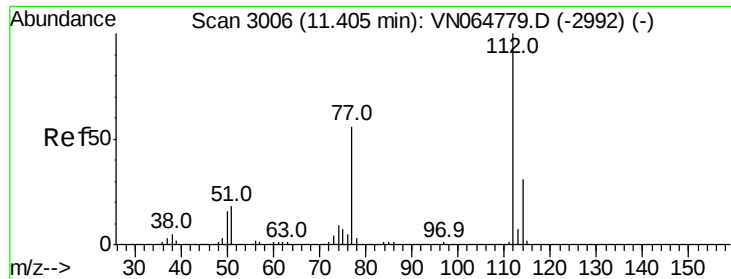
Tot Ion:117 Resp: 314012
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 1.665 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion:164 Resp: 5087
Ion Ratio Lower Upper
164 100
166 123.1 101.4 152.0
129 99.7 76.1 114.1
131 89.9 74.2 111.2





#65

Chlorobenzene

Concen: 0.656 ug/l

RT: 11.51 min Scan# 3039

Delta R.T. 0.11 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

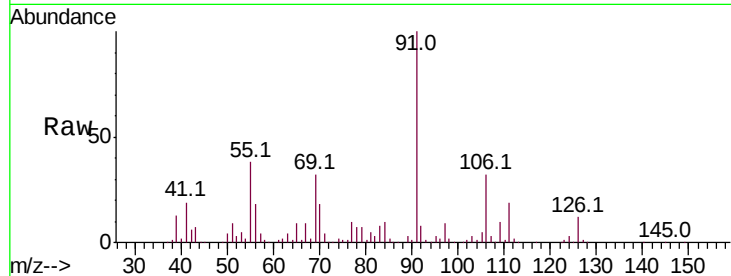
20801

Tot Ion:112 Resp: 4421

Ion Ratio Lower Upper

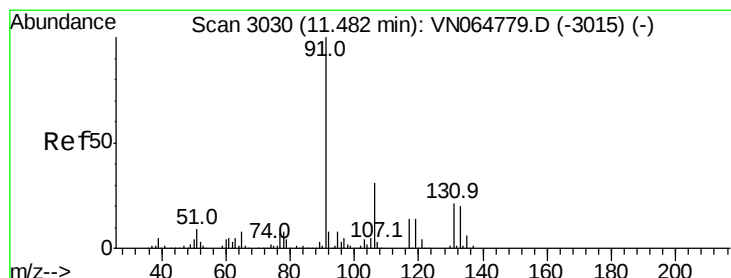
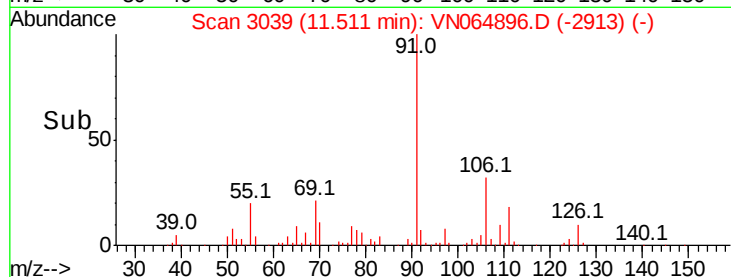
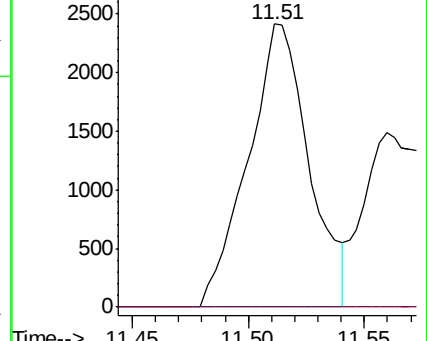
112 100

114 0.0 25.1 37.7#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 450.919 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064896.D

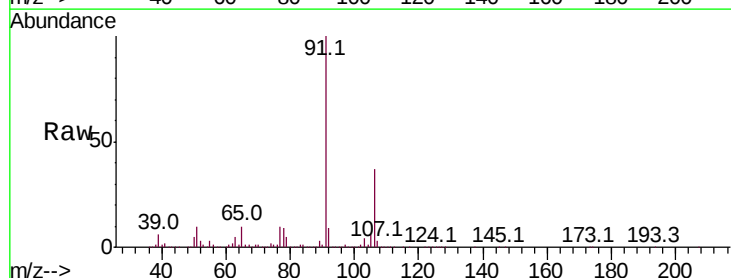
Acq: 3 Dec 2020 14:11

Tgt Ion: 91 Resp: 5079684

Ion Ratio Lower Upper

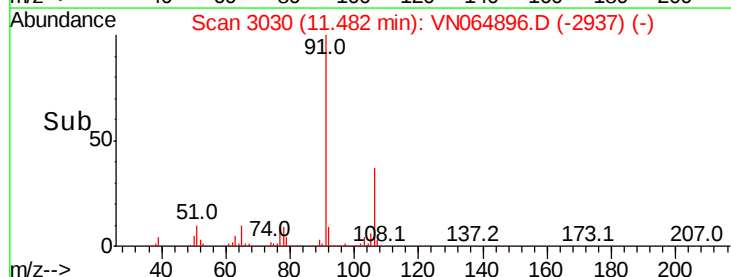
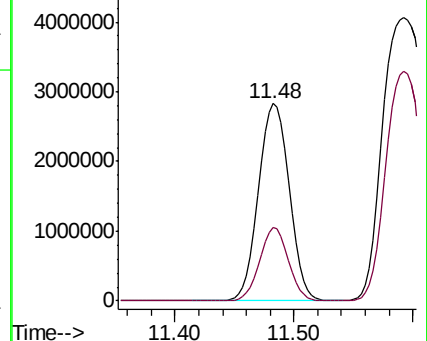
91 100

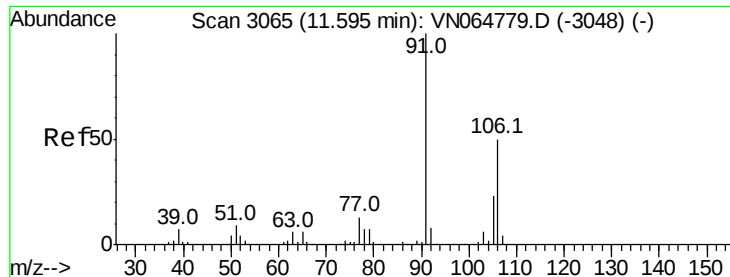
106 37.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

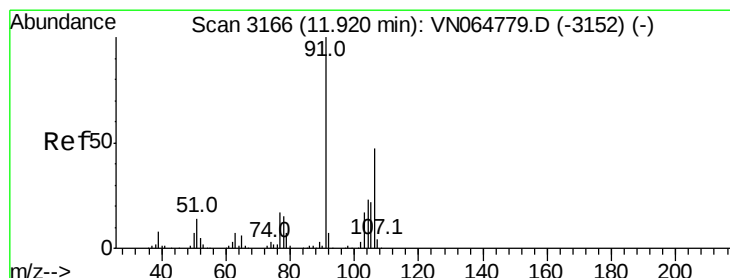
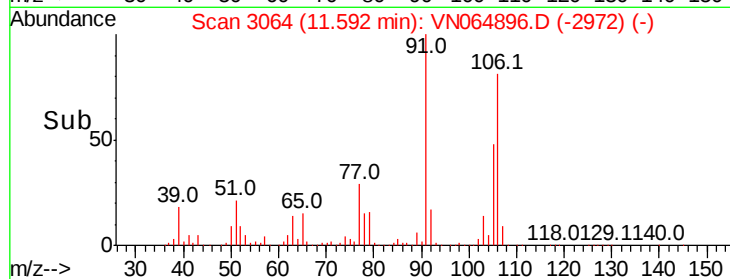
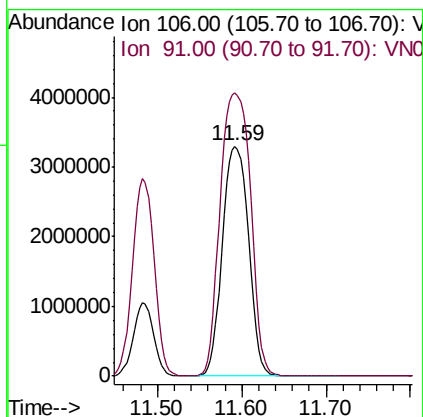
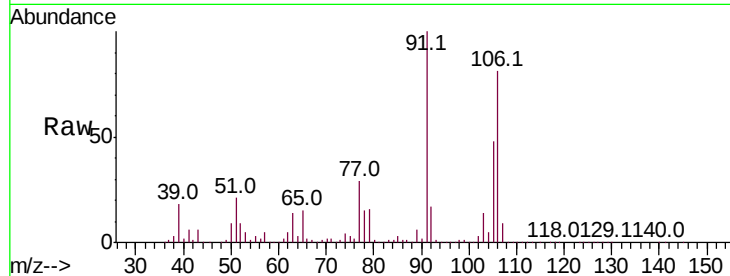




#68
m/p-Xvlenes
Concen: 1674.819 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

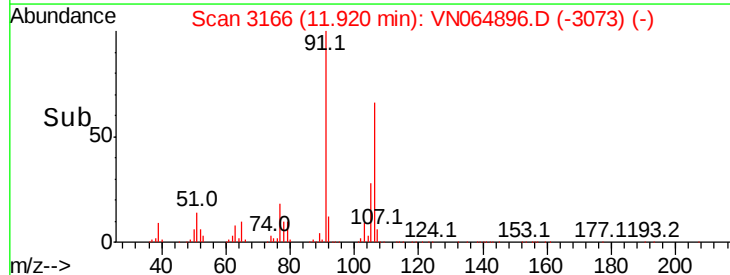
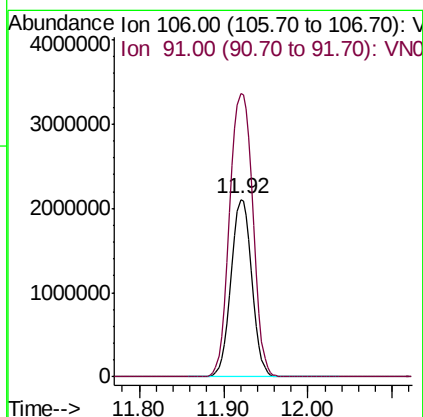
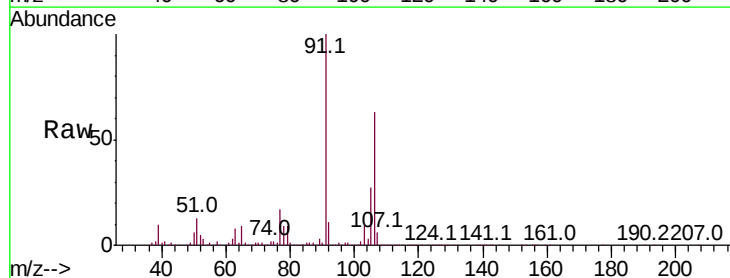
Instrument :
MSVOA_N
ClientSampled :
20801

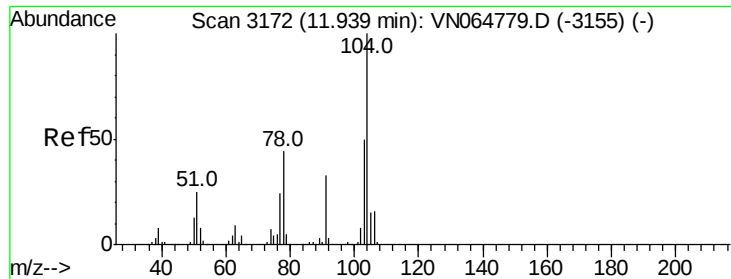
Tot Ion:106 Resp: 7143236
Ion Ratio Lower Upper
106 100
91 143.2 161.0 241.4#



#69
o-Xylene
Concen: 890.934 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion:106 Resp: 3605922
Ion Ratio Lower Upper
106 100
91 179.4 105.5 316.5





#70

Stvrene

Concen: 26.540 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

20801

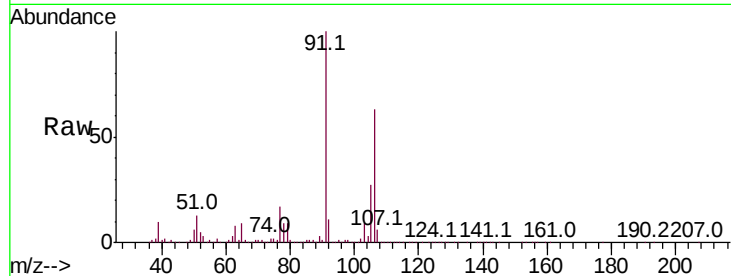
Tot Ion:104 Resp: 181337

Ion Ratio Lower Upper

104 100

78 283.6 39.0 58.6#

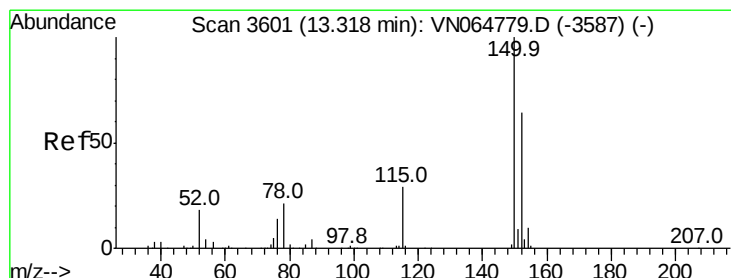
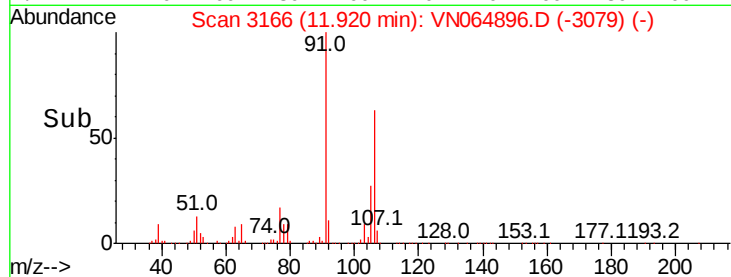
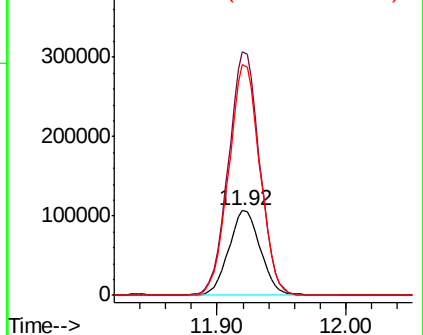
103 268.9 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

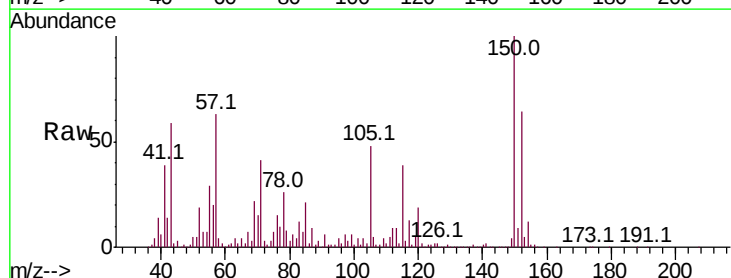
Tgt Ion:152 Resp: 175407

Ion Ratio Lower Upper

152 100

115 52.9 29.7 89.1

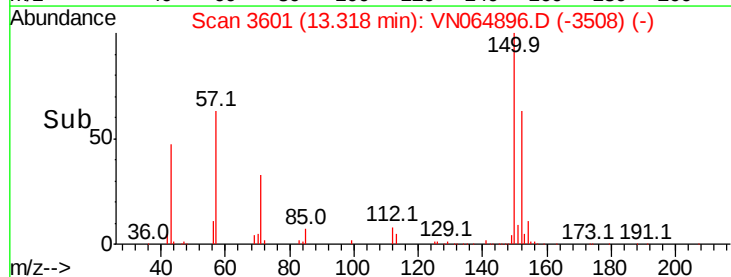
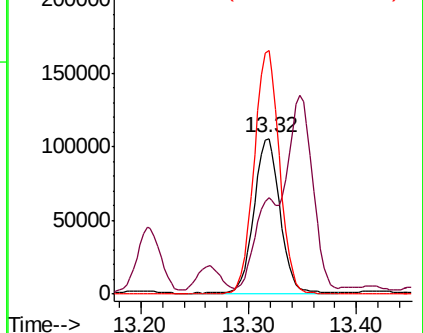
150 152.2 0.0 350.6

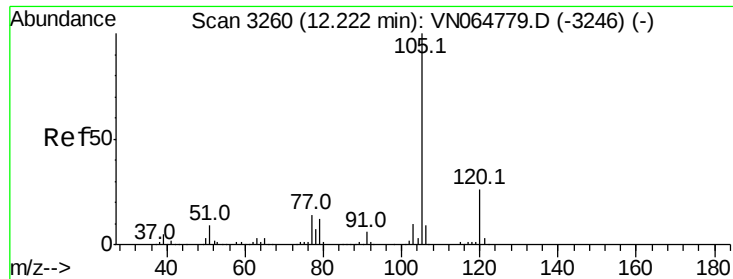


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 65.387 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

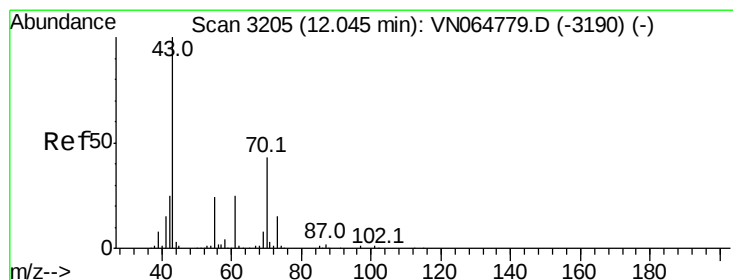
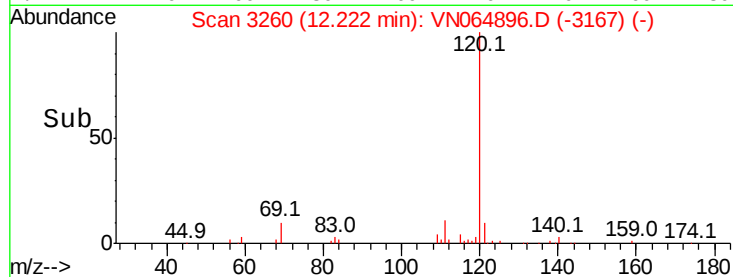
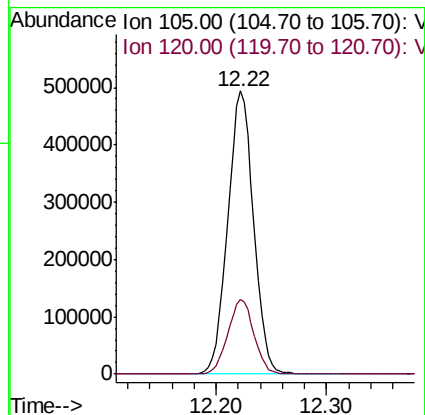
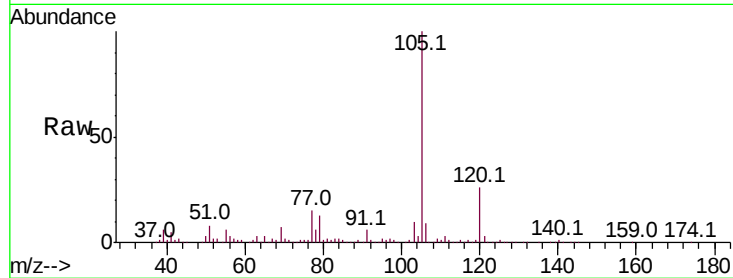
20801

Tot Ion:105 Resp: 797769

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 30.914 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Tgt Ion: 43 Resp: 148433

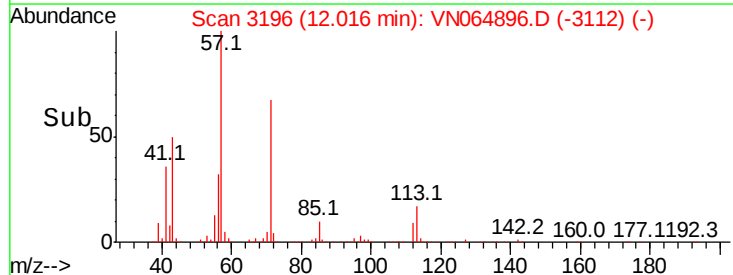
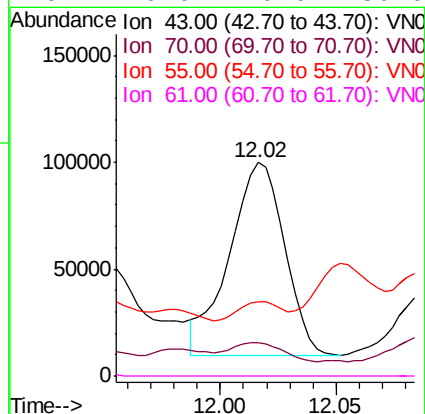
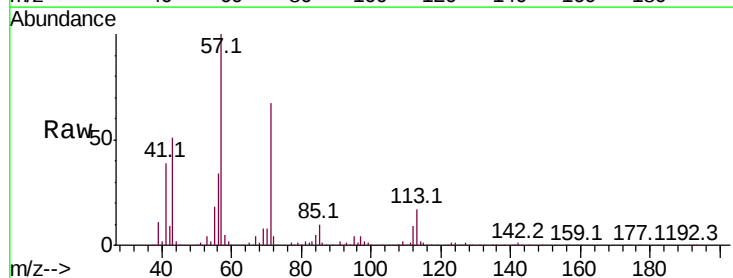
Ion Ratio Lower Upper

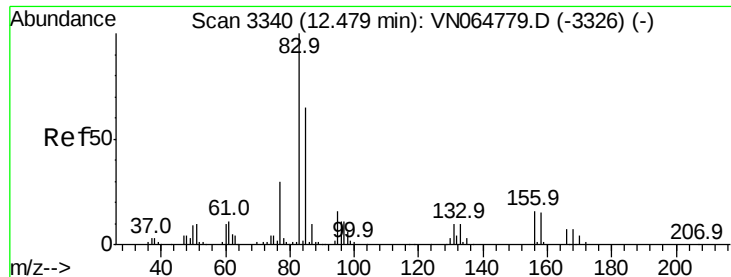
43 100

70 8.7 34.5 51.7#

55 5.4 20.4 30.6#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.186 ug/l

RT: 12.42 min Scan# 3322

Delta R.T. -0.06 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

20801

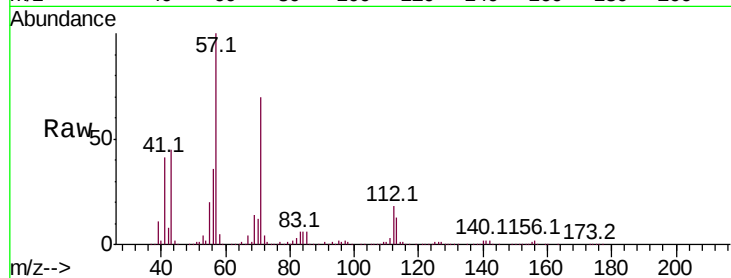
Tot Ion: 83 Resp: 18545

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 147.0 33.0 99.0#



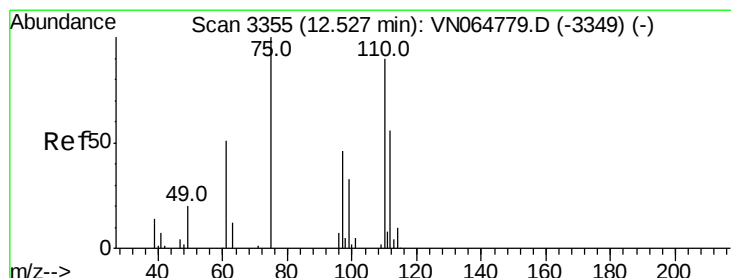
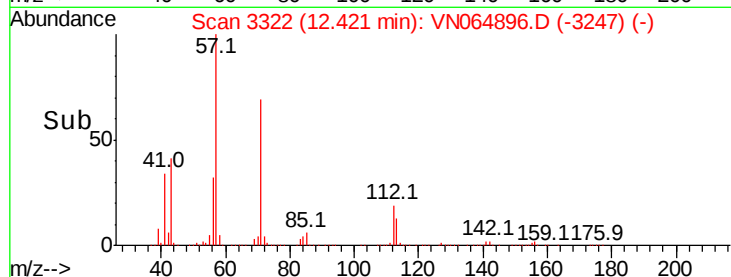
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 6.062 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN064896.D

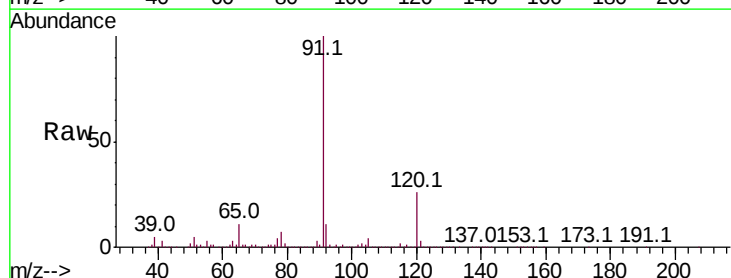
Acq: 3 Dec 2020 14:11

Tgt Ion: 75 Resp: 22899

Ion Ratio Lower Upper

75 100

77 684.5 0.0 0.0#

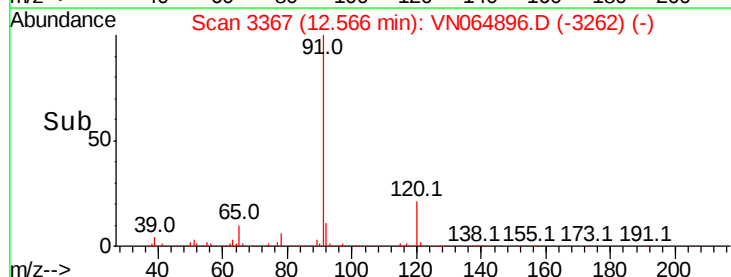


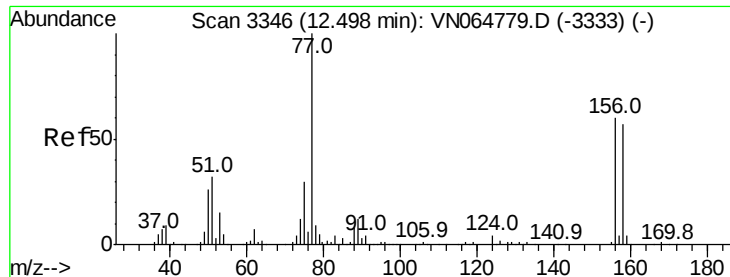
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.57

Time-->





#77

Bromobenzene

Concen: 6.846 ug/l

RT: 12.42 min Scan# 3323

Delta R.T. -0.07 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :
20801

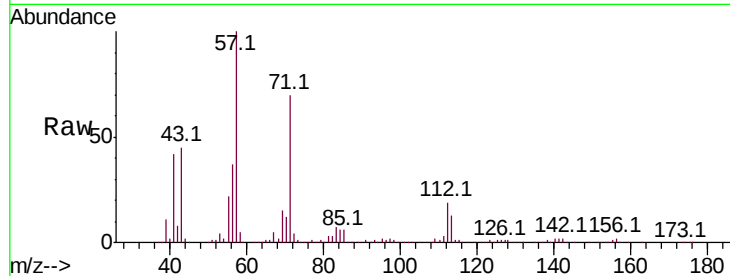
Tot Ion:156 Resp: 22517

Ion Ratio Lower Upper

156 100

77 0.0 101.3 303.7#

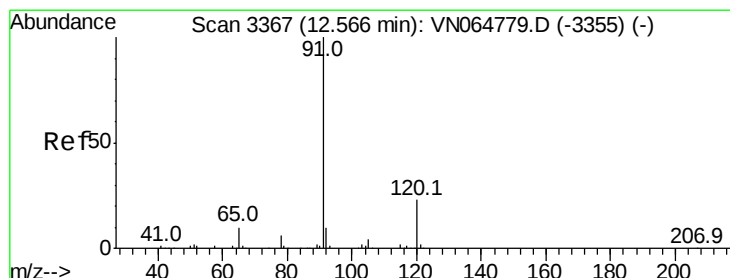
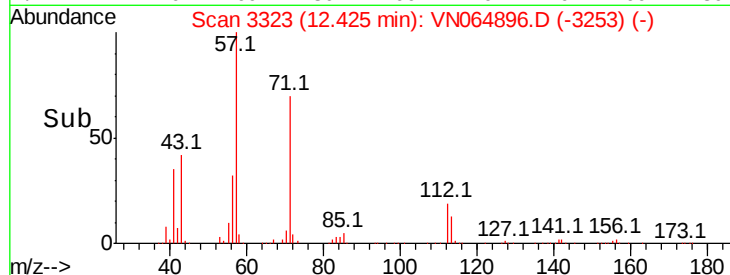
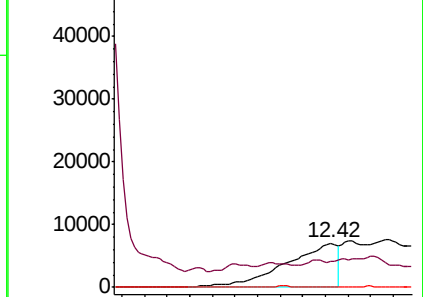
158 0.0 48.2 144.6#



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: 281.417 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064896.D

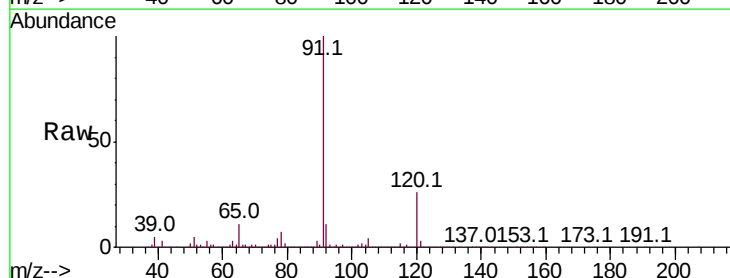
Acq: 3 Dec 2020 14:11

Tgt Ion: 91 Resp: 3911458

Ion Ratio Lower Upper

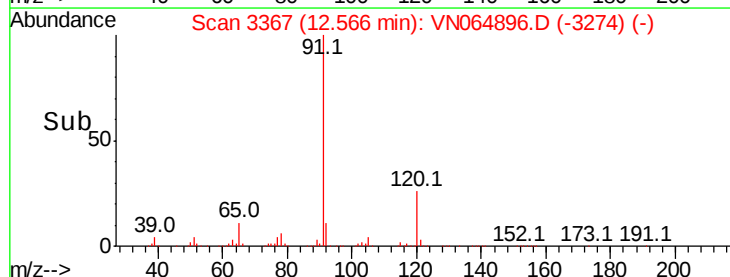
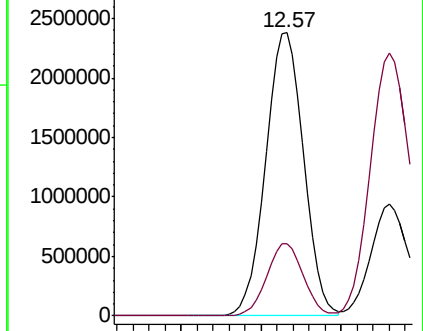
91 100

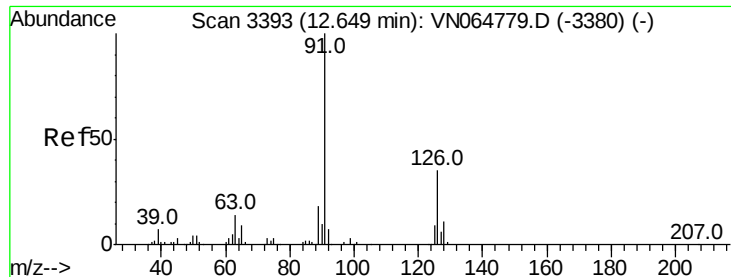
120 24.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 171.221 ug/l

RT: 12.63 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

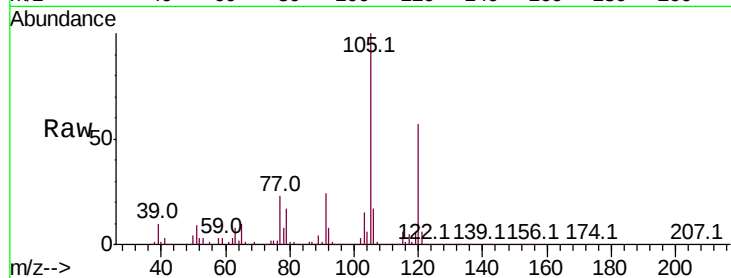
20801

Tot Ion: 91 Resp: 1471068

Ion Ratio Lower Upper

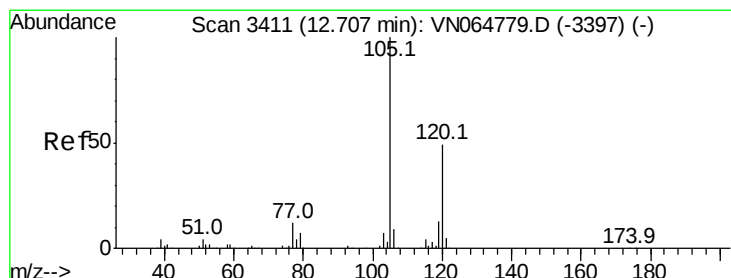
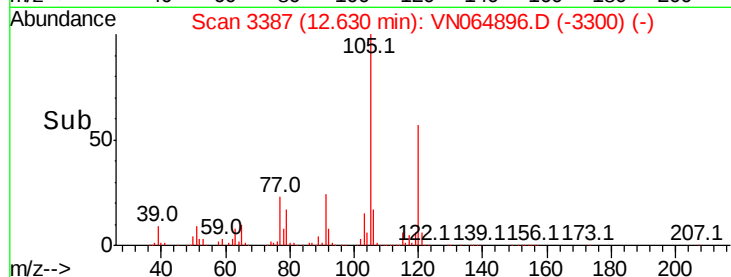
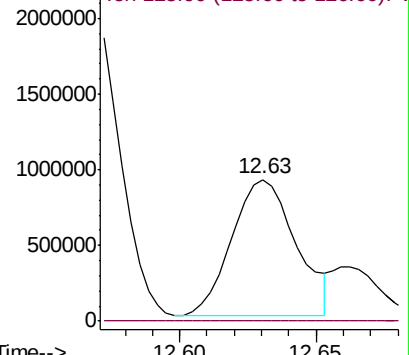
91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 468.389 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064896.D

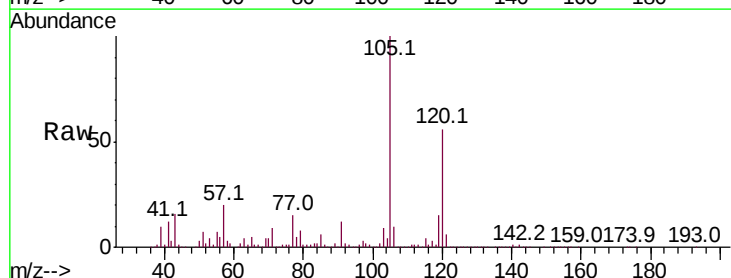
Acq: 3 Dec 2020 14:11

Tgt Ion:105 Resp: 4750033

Ion Ratio Lower Upper

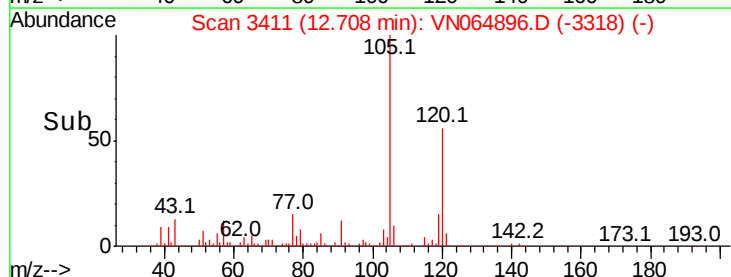
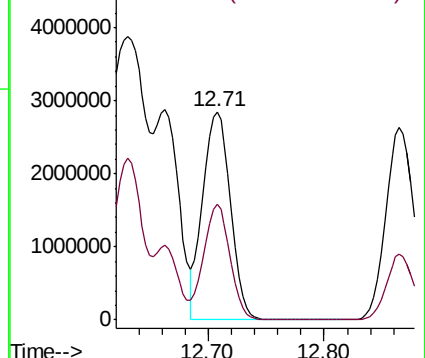
105 100

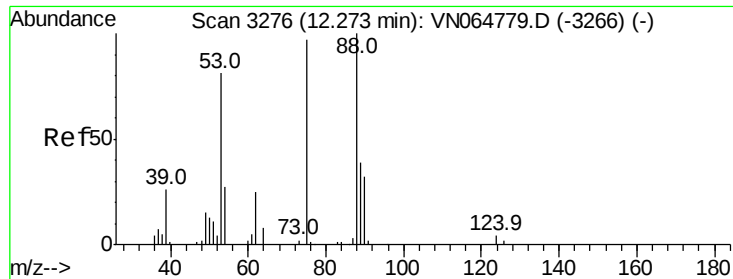
120 52.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

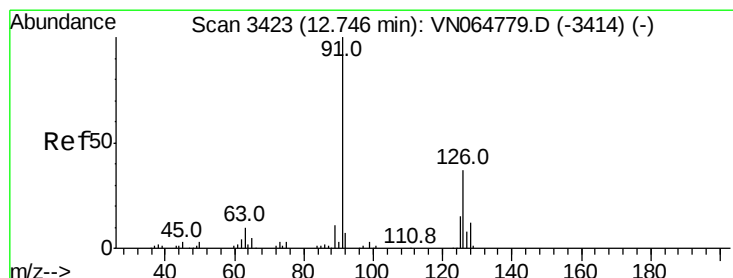
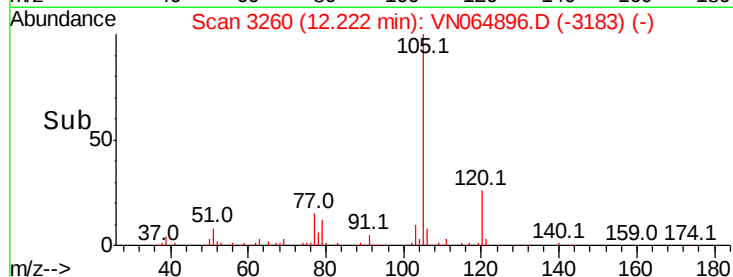
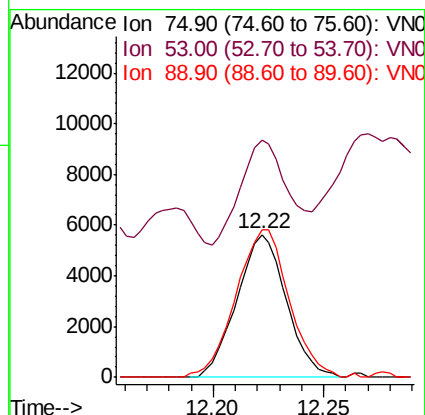
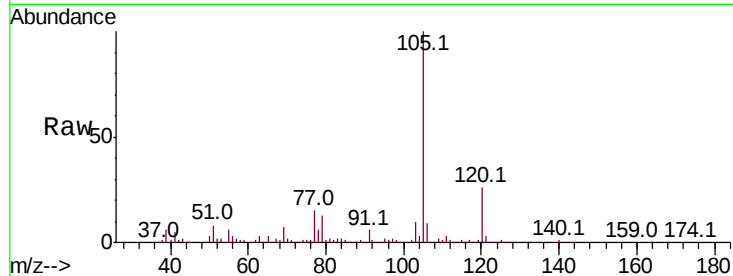




#81
trans-1,4-Dichloro-2-butene
Concen: 6.362 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.05 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

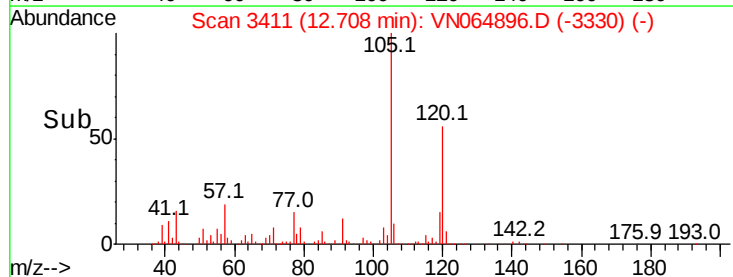
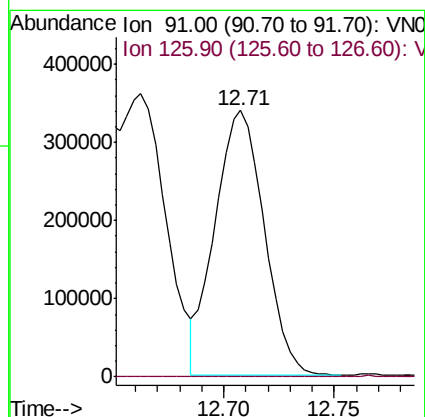
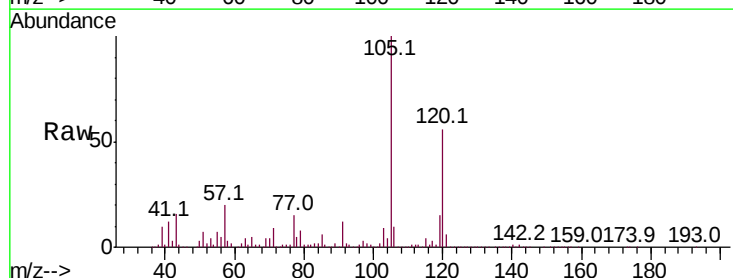
Instrument :
MSVOA_N
ClientSampled :
20801

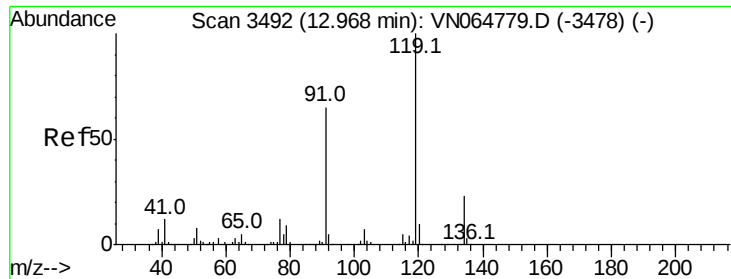
Tot Ion: 75 Resp: 8768
Ion Ratio Lower Upper
75 100
53 95.3 67.0 100.4
89 111.2 39.6 59.4#



#82
4-Chlorotoluene
Concen: 57.941 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. -0.04 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 91 Resp: 521800
Ion Ratio Lower Upper
91 100
126 0.3 16.9 50.7#

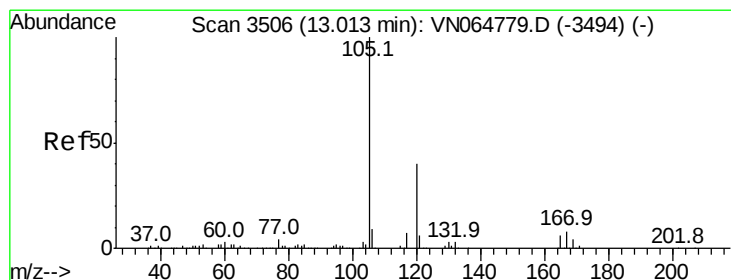
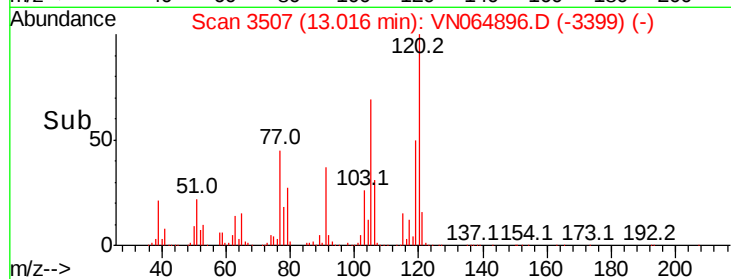
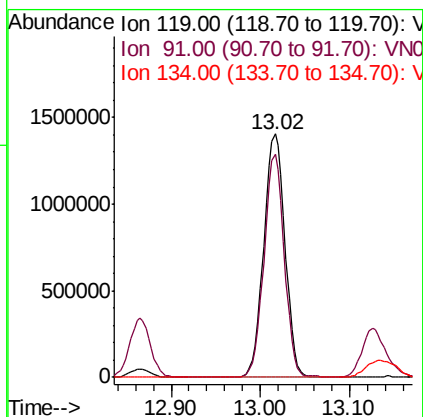
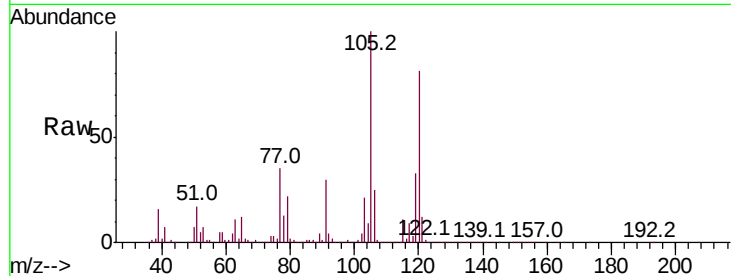




#83
 tert-Butylbenzene
 Concen: 274.323 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.05 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

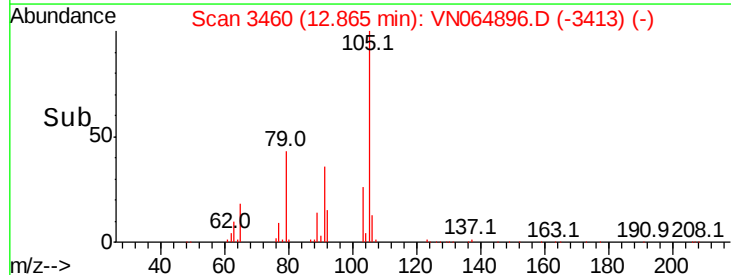
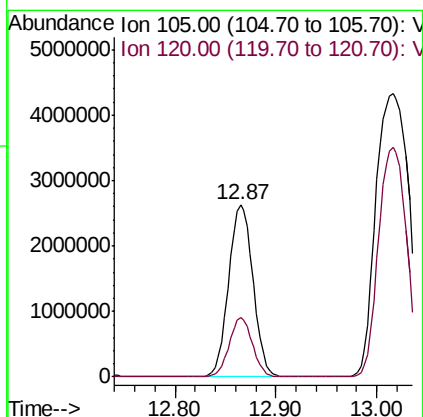
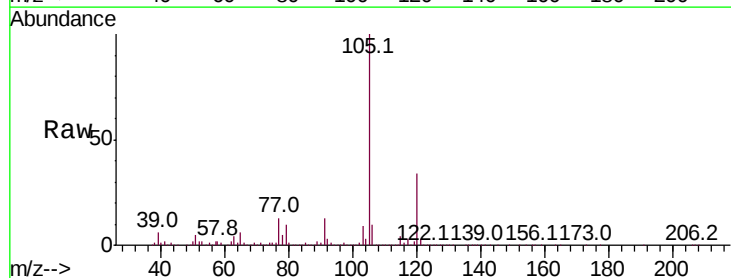
Instrument :
 MSVOA_N
 ClientSampled :
 20801

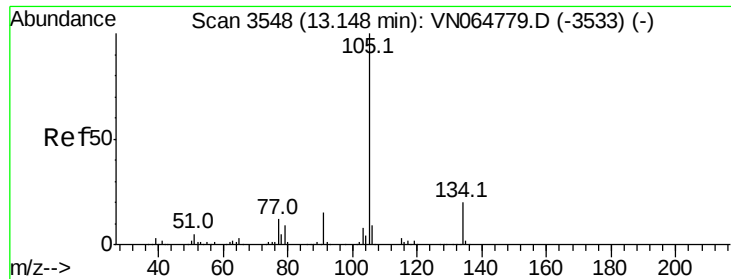
Tot Ion:119 Resp: 2331840
 Ion Ratio Lower Upper
 119 100
 91 87.3 32.3 96.8
 134 0.0 12.6 37.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 432.763 ug/l
 RT: 12.87 min Scan# 3460
 Delta R.T. -0.15 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 14:11

Tgt Ion:105 Resp: 4437332
 Ion Ratio Lower Upper
 105 100
 120 32.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 52.132 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

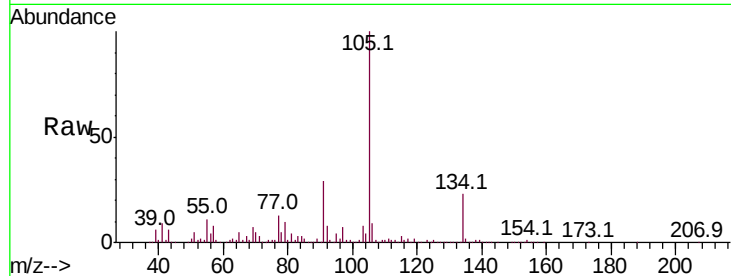
20801

Tot Ion:105 Resp: 588371

Ion Ratio Lower Upper

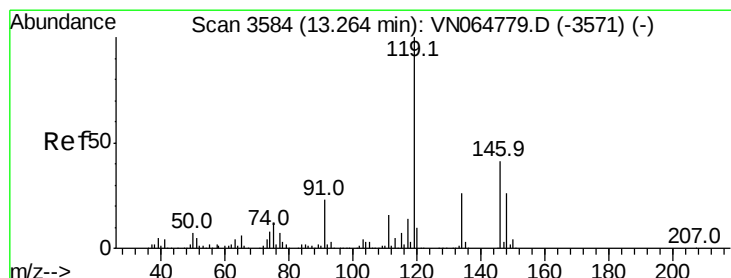
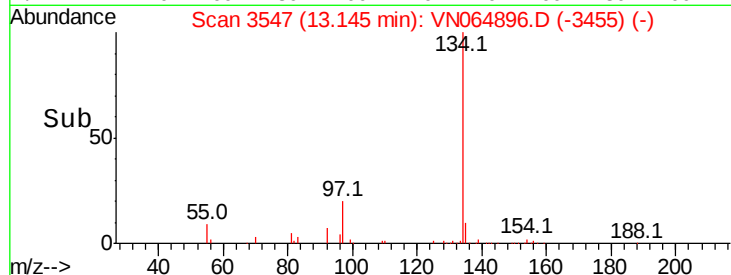
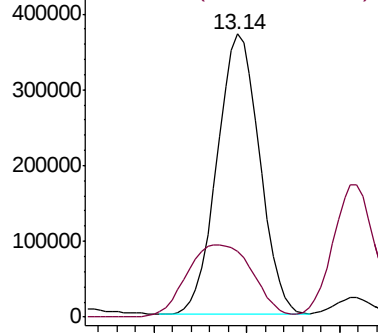
105 100

134 40.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 38.045 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

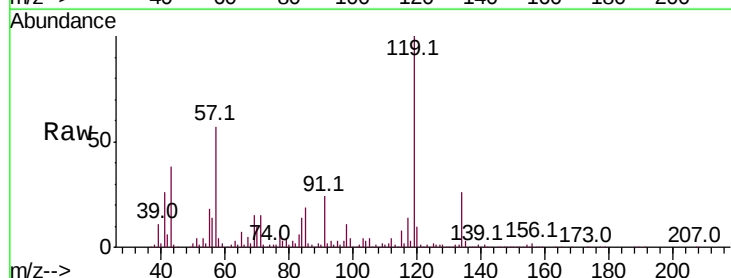
Tgt Ion:119 Resp: 390923

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

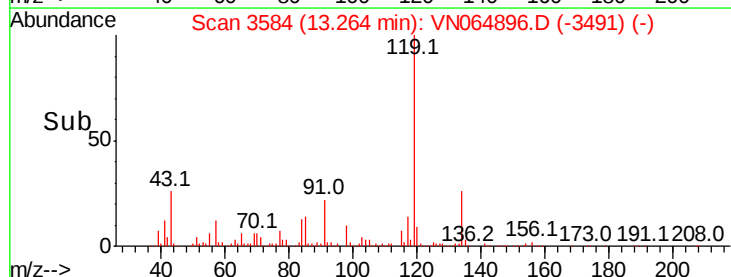
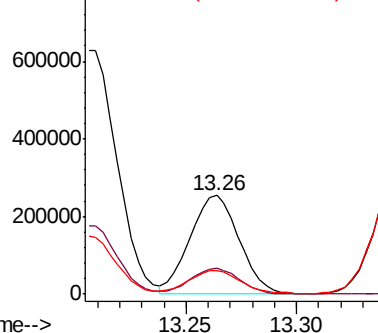
91 23.6 11.5 34.5

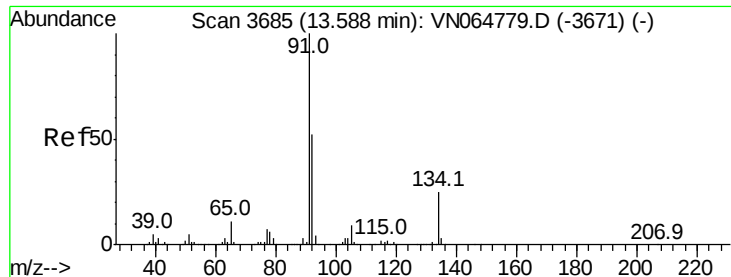


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

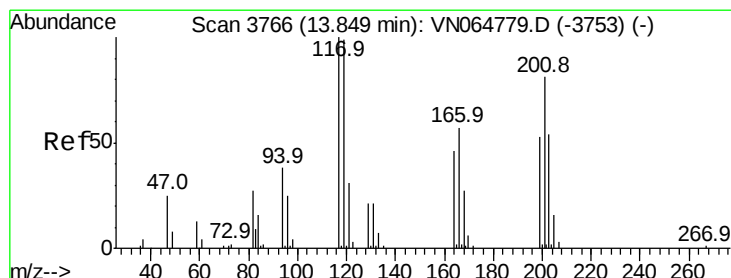
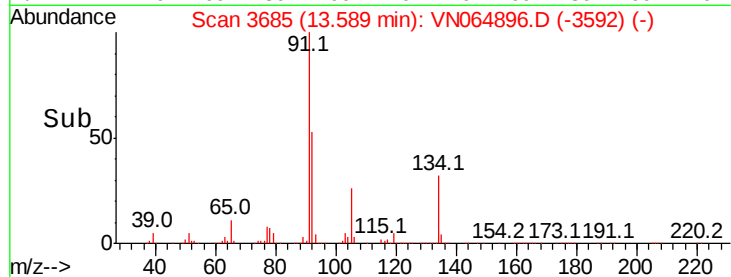
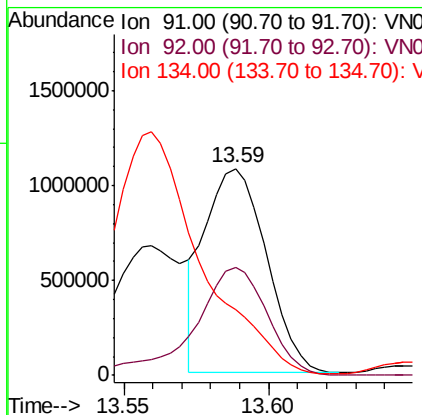
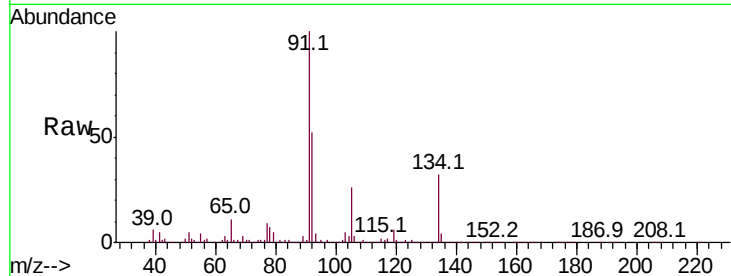




#89
n-Butylbenzene
Concen: 175.842 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

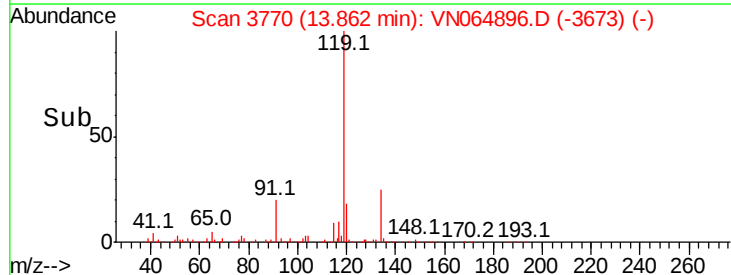
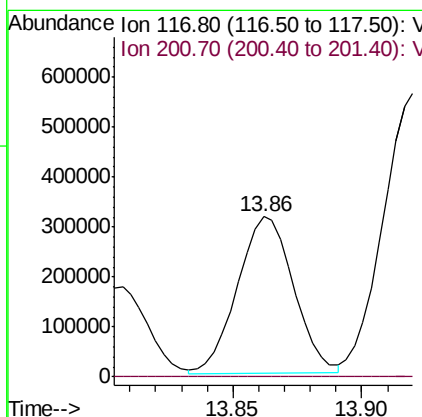
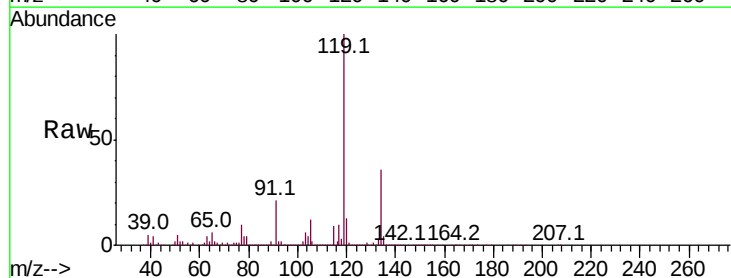
Instrument :
MSVOA_N
ClientSampled :
20801

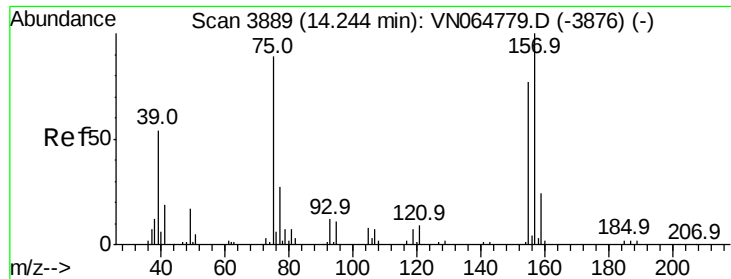
Tot Ion: 91 Resp: 1586733
Ion Ratio Lower Upper
91 100
92 62.2 26.0 78.0
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 268.671 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 117 Resp: 479582
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 36.125 ug/l

RT: 14.22 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

20801

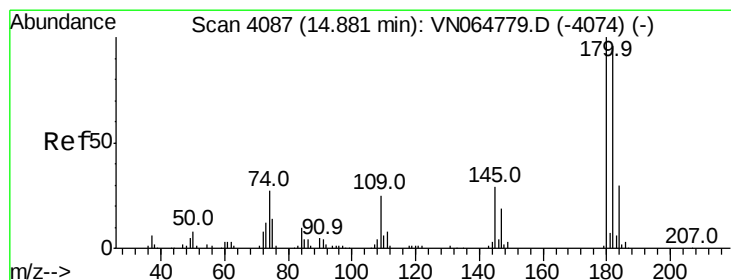
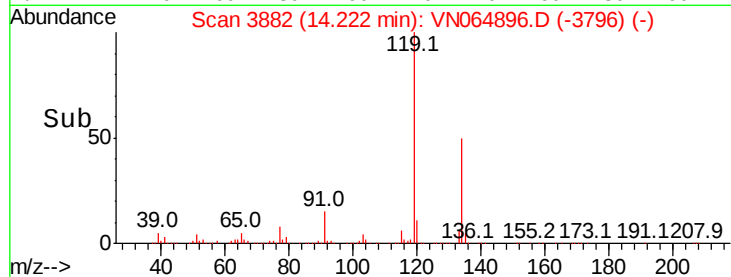
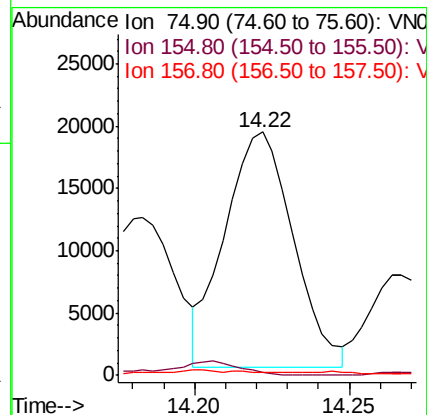
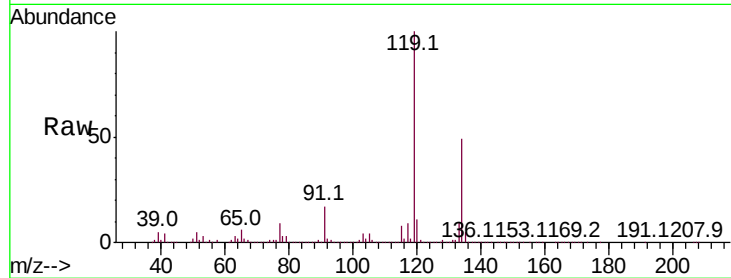
Tot Ion: 75 Resp: 29068

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.3#

157 0.0 56.4 169.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.263 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 14:11

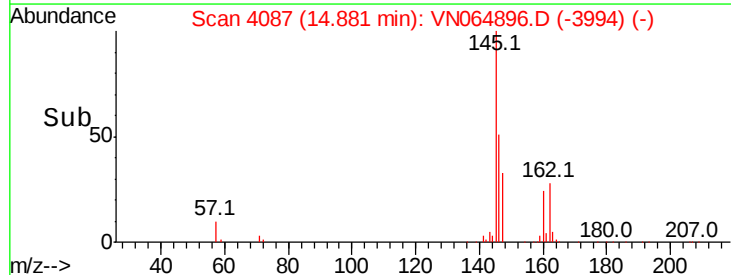
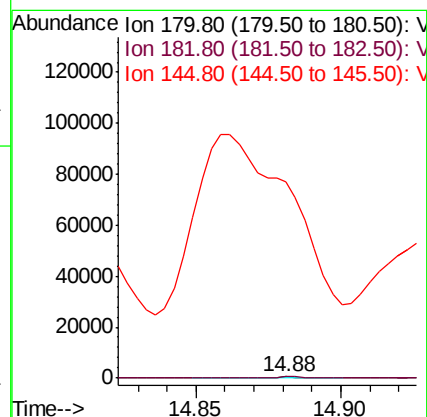
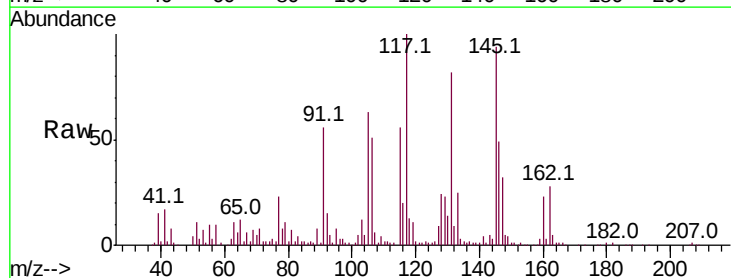
Tgt Ion:180 Resp: 935

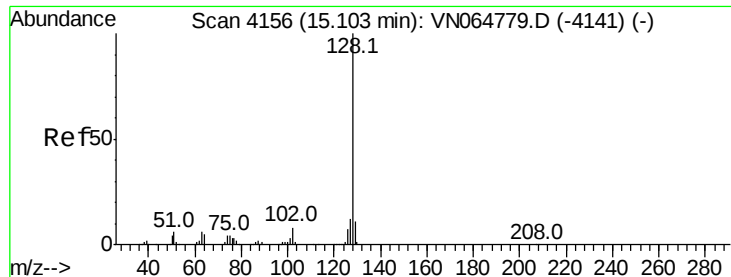
Ion Ratio Lower Upper

180 100

182 42.9 47.6 142.9#

145 0.0 15.3 45.8#

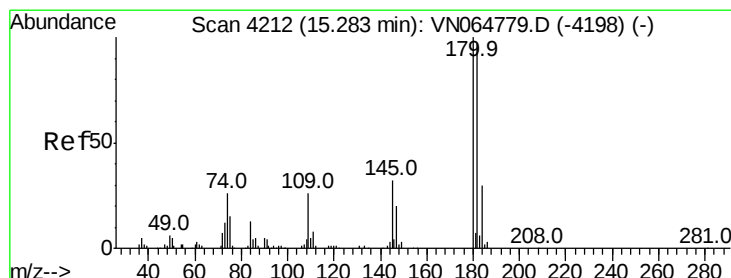
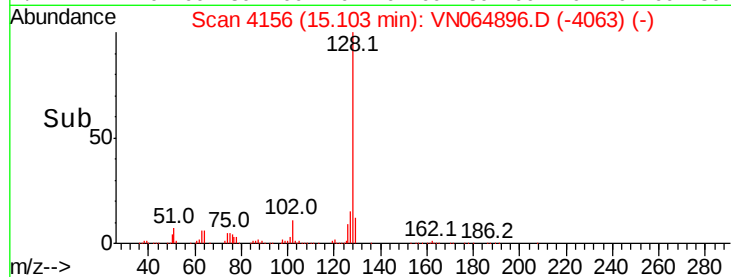
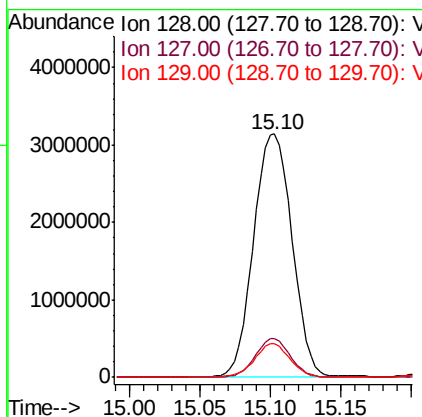
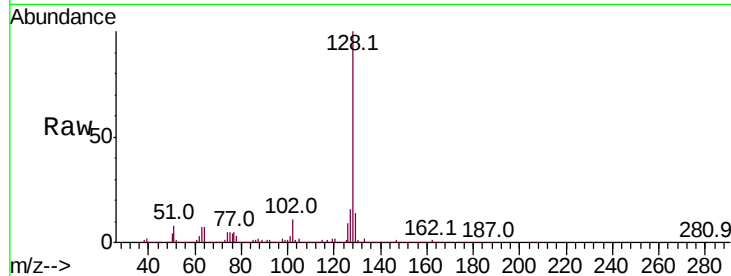




#95
Naphthalene
Concen: 562.332 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
20801

Tot Ion:128 Resp: 5980098
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 12.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.625 ug/l
RT: 15.31 min Scan# 4219
Delta R.T. 0.02 min
Lab File: VN064896.D
Acq: 3 Dec 2020 14:11

Tgt Ion:180 Resp: 809
Ion Ratio Lower Upper
180 100
182 90.0 48.1 144.4
145 14418.8 16.4 49.1#

