

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063416.D
 Acq On : 17 Sep 2020 14:02
 Operator : JC/MD
 Sample : L4050-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

Quant Time: Sep 18 02:49:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	257314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	474121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	476108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	208571	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.55	113	153942	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	10.06	98	613491	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.38	95	253264	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.16	62	1536	0.450	ug/l #	85
8) Diethyl Ether	3.37	74	4893	2.462	ug/l	85
11) Tert butyl alcohol	4.72	59	2869597	4729.005	ug/l	100
14) Allyl chloride	4.21	41	17874	3.112	ug/l #	39
15) Acrylonitrile	4.73	53	27377	17.737	ug/l #	11
16) Acetone	3.77	43	277031	196.795	ug/l	92
17) Carbon Disulfide	4.01	76	2935	0.347	ug/l #	63
18) Methyl Acetate	4.29	43	1805	0.505	ug/l #	79
19) Methyl tert-butyl Ether	4.99	73	24047	2.222	ug/l	97
25) 2-Butanone	6.78	43	591660	273.280	ug/l	94
26) 2,2-Dichloropropane	6.77	77	145785	25.891	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	1574	0.432	ug/l #	1
28) Bromochloromethane	7.16	49	1696	0.574	ug/l #	20
29) Tetrahydrofuran	7.16	42	675191	456.621	ug/l	99
30) Chloroform	7.34	83	1933	0.301	ug/l #	79
31) Cyclohexane	7.63	56	7462	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	24781	4.906	ug/l #	52
37) Ethyl Acetate	6.78	43	591660	119.348	ug/l #	84
38) Carbon Tetrachloride	7.63	117	29655	5.751	ug/l #	17
40) Benzene	8.00	78	50841	3.526	ug/l	100
41) Methacrylonitrile	7.16	41	407132	182.598	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	2568	0.443	ug/l #	78
43) Isopropyl Acetate	8.09	43	13276	1.498	ug/l #	74
48) Methyl methacrylate	9.15	41	900	0.207	ug/l #	27
49) 1,4-Dioxane	9.16	88	5643	90.290	ug/l #	88
51) 4-Methyl-2-Pentanone	9.95	43	21043	4.240	ug/l	90
52) Toluene	10.13	92	35280	4.070	ug/l	95
55) 1,1,2-Trichloroethane	10.43	97	1014	0.294	ug/l #	13
59) 2-Hexanone	10.58	43	19828	5.515	ug/l	73
65) Chlorobenzene	11.41	112	10121	1.001	ug/l	97
67) Ethyl Benzene	11.49	91	41079	2.158	ug/l	100
68) m/p-Xylenes	11.59	106	53100	7.738	ug/l	100
69) o-Xylene	11.92	106	31378	4.800	ug/l	96
70) Styrene	11.93	104	5513	0.503	ug/l #	13

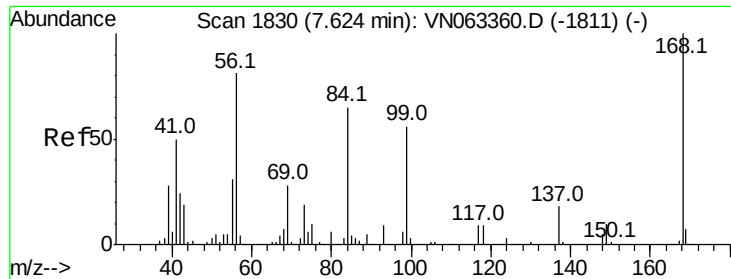
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063416.D
 Acq On : 17 Sep 2020 14:02
 Operator : JC/MD
 Sample : L4050-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

Quant Time: Sep 18 02:49:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	12.22	105	4350	0.254	ug/l	88
76) 1,2,3-Trichloropropane	12.38	75	139273	26.301	ug/l #	100
79) 2-Chlorotoluene	12.63	91	5916	0.494	ug/l #	65
80) 1,3,5-Trimethylbenzene	12.71	105	10007	0.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139273	72.108	ug/l #	7
82) 4-Chlorotoluene	13.01	91	5386	0.426	ug/l	100
83) tert-Butylbenzene	13.02	119	4461	0.378	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.02	105	37377	2.588	ug/l	99
86) p-Isopropyltoluene	13.26	119	34348	2.466	ug/l	98
87) 1,3-Dichlorobenzene	13.34	146	26419	3.696	ug/l	87
88) 1,4-Dichlorobenzene	13.34	146	26419	3.635	ug/l	87
90) Hexachloroethane	13.86	117	663	0.250	ug/l #	14
91) 1,2-Dichlorobenzene	13.63	146	1724	0.246	ug/l	79
95) Naphthalene	15.10	128	426198	31.182	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

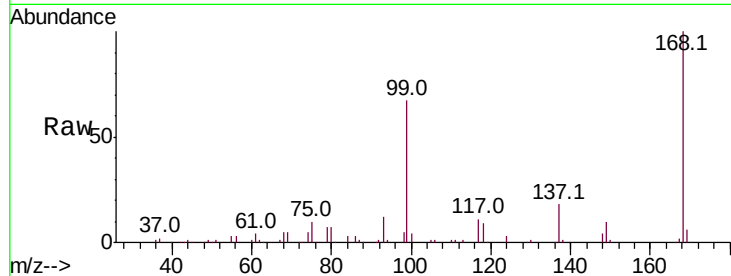
200916080-01-VOA

Tot Ion:168 Resp: 257314

Ion Ratio Lower Upper

168 100

99 67.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

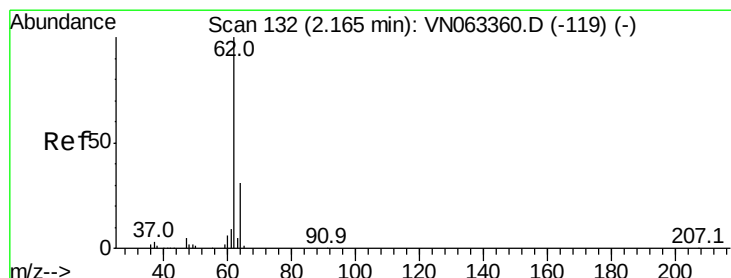
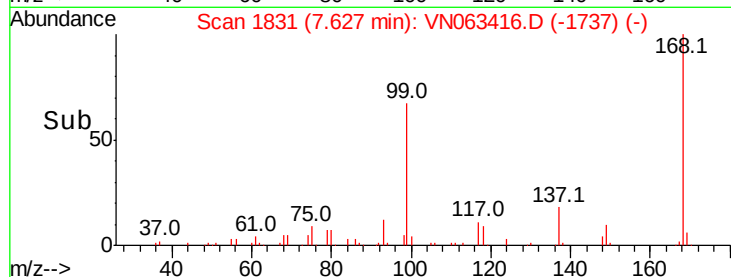
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 0.450 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN063416.D

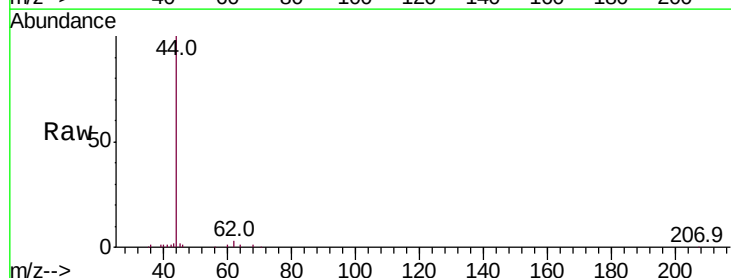
Acq: 17 Sep 2020 14:02

Tgt Ion: 62 Resp: 1536

Ion Ratio Lower Upper

62 100

64 22.9 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

1200

1000

800

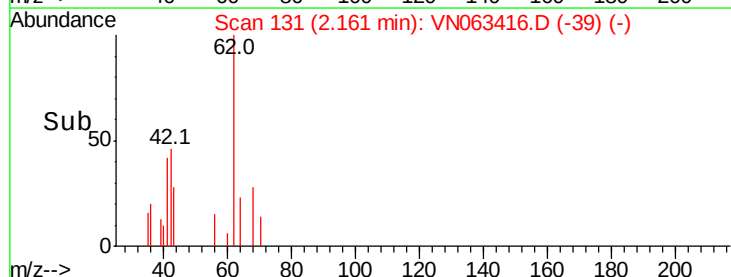
600

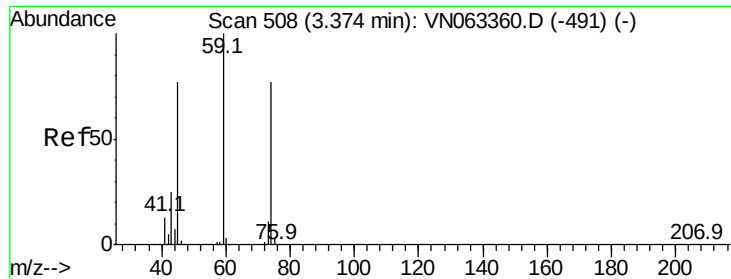
400

200

0

Time--> 2.12 2.14 2.16 2.18 2.20





#8

Diethyl Ether

Concen: 2.462 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

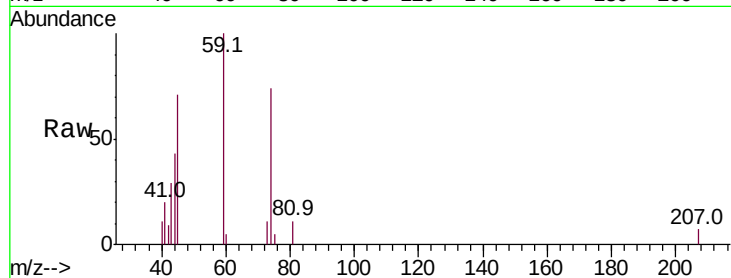
200916080-01-VOA

Tot Ion: 74 Resp: 4893

Ion Ratio Lower Upper

74 100

45 119.4 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

2500

2000

1500

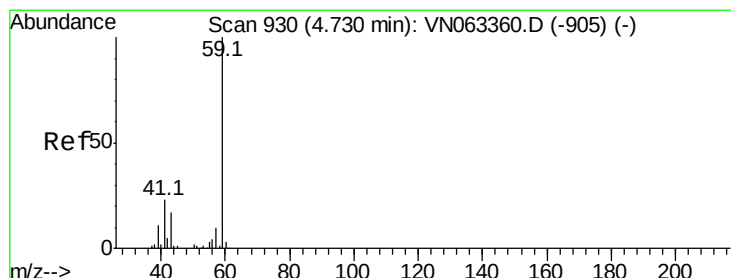
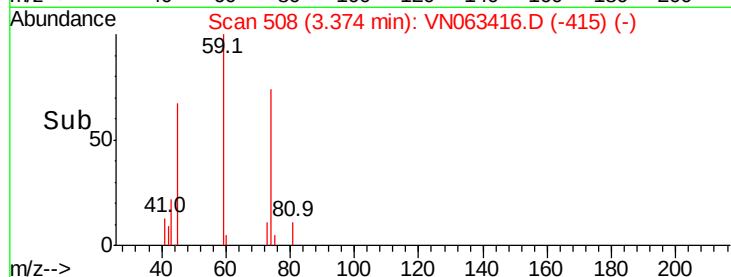
1000

500

0

3.30 3.35 3.40 3.45

Time-->



#11

Tert butyl alcohol

Concen: 4729.005 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063416.D

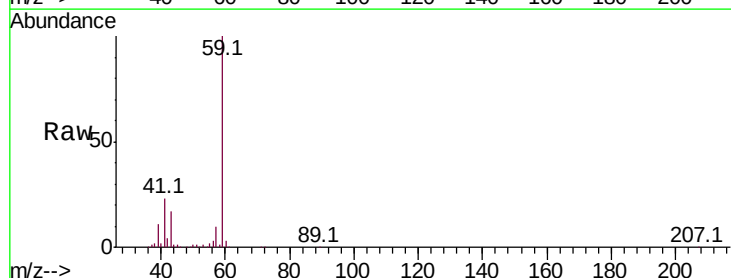
Acq: 17 Sep 2020 14:02

Tgt Ion: 59 Resp: 2869597

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

800000

600000

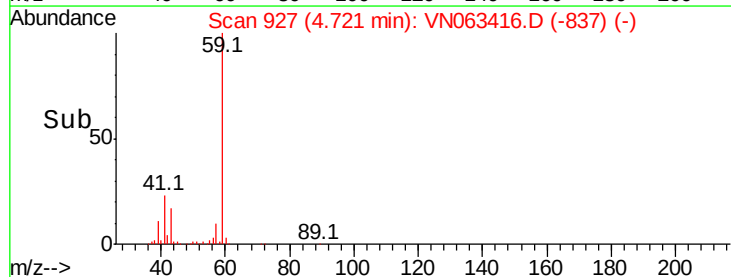
400000

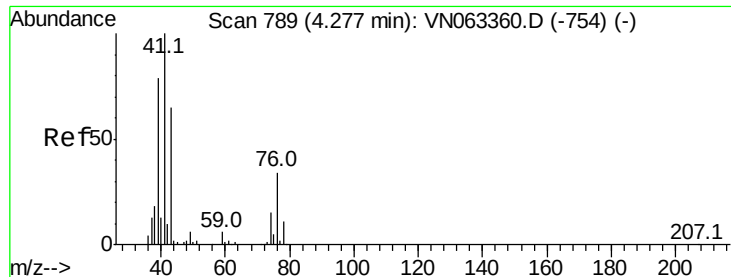
200000

0

4.60 4.70 4.80 4.90

Time-->

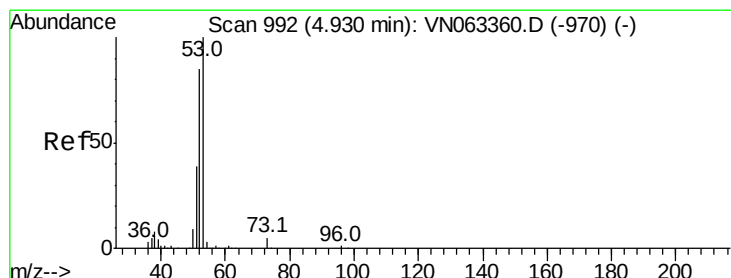
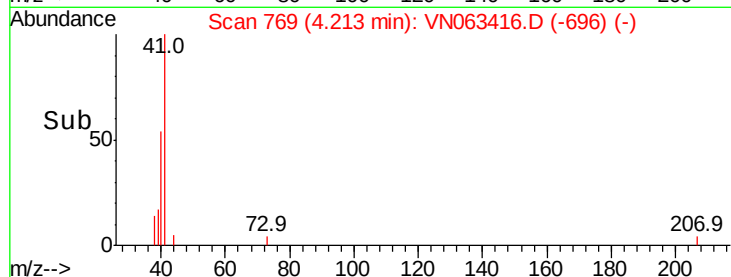
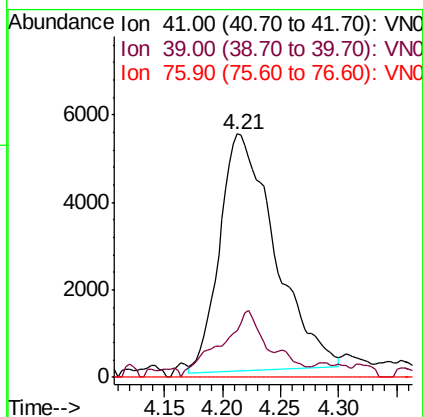
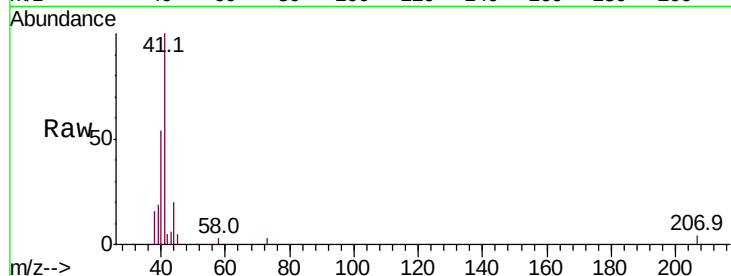




#14
 Allvl chloride
 Concen: 3.112 ug/l
 RT: 4.21 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

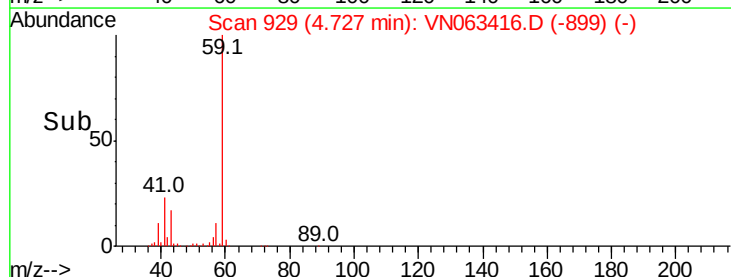
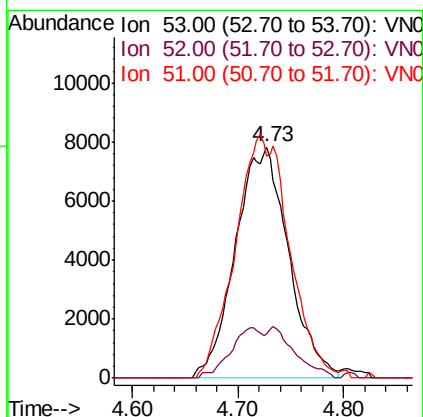
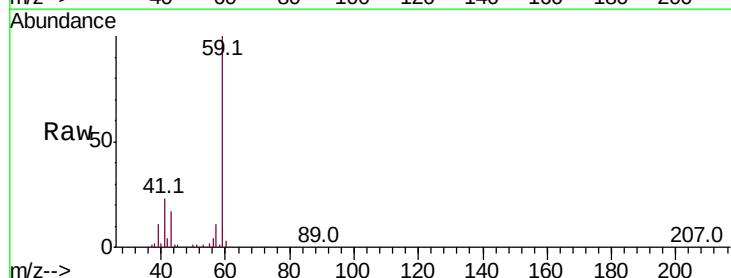
Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

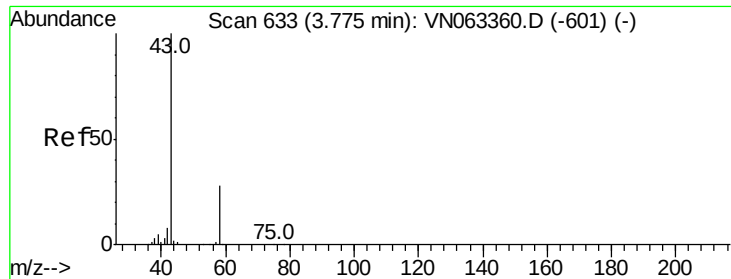
Tot Ion: 41 Resp: 17874
 Ion Ratio Lower Upper
 41 100
 39 21.1 59.3 88.9#
 76 0.0 25.3 37.9#



#15
 Acrylonitrile
 Concen: 17.737 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.20 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Tgt Ion: 53 Resp: 27377
 Ion Ratio Lower Upper
 53 100
 52 13.0 66.4 99.6#
 51 106.9 30.2 45.4#





#16

Acetone

Concen: 196.795 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

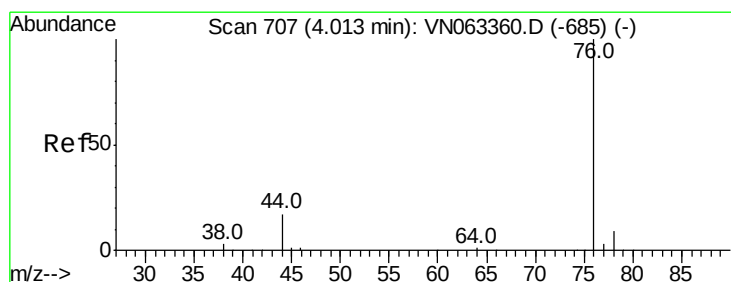
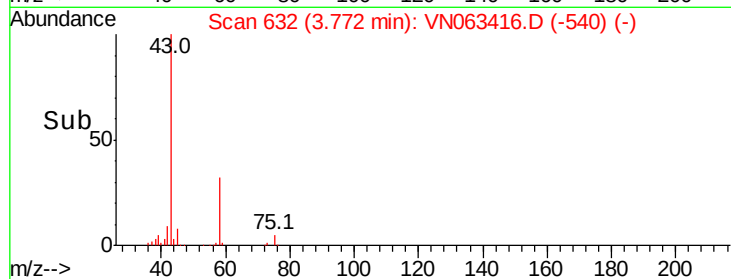
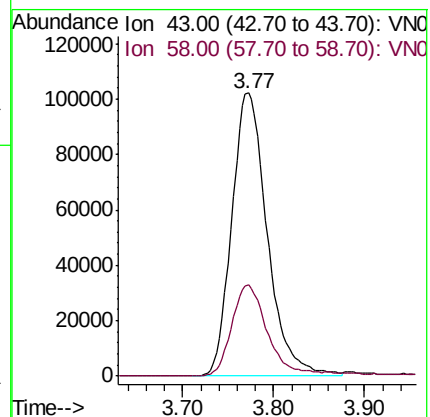
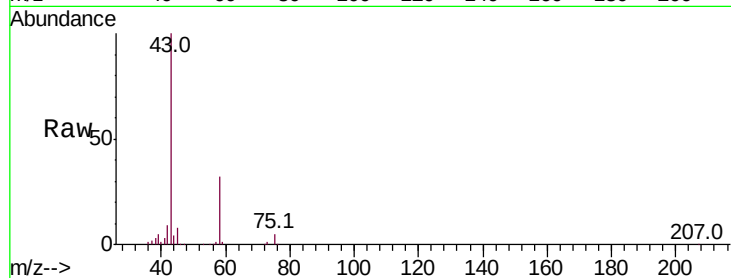
200916080-01-VOA

Tot Ion: 43 Resp: 277031

Ion Ratio Lower Upper

43 100

58 32.2 22.3 33.5



#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063416.D

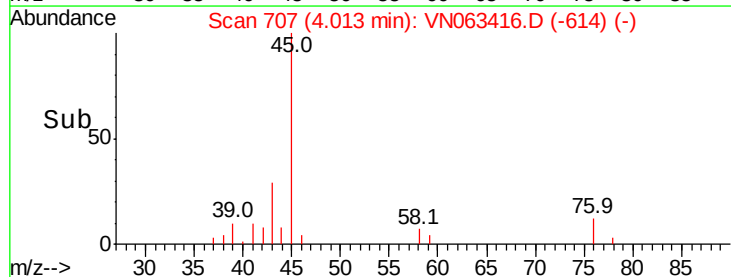
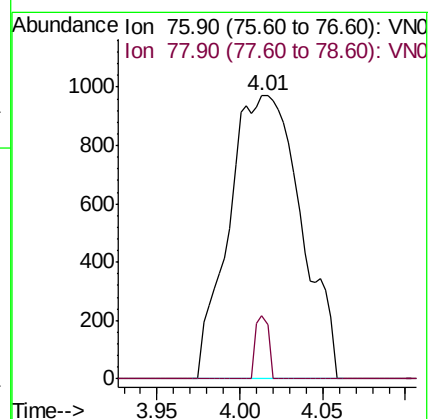
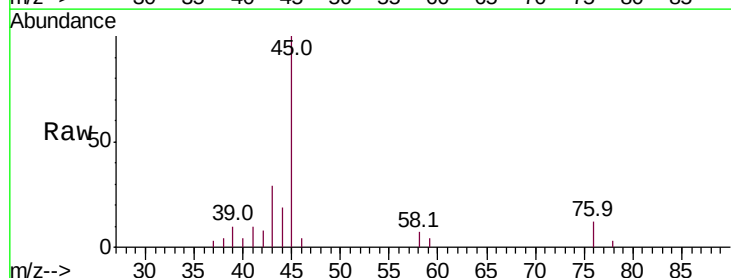
Acq: 17 Sep 2020 14:02

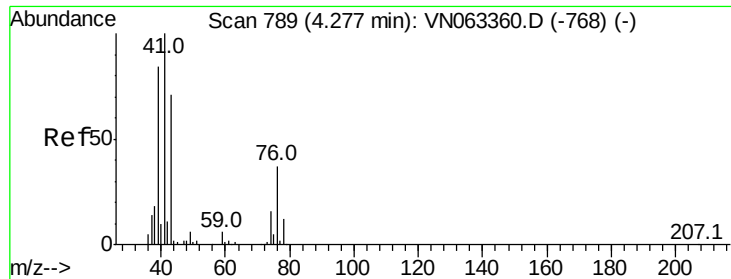
Tgt Ion: 76 Resp: 2935

Ion Ratio Lower Upper

76 100

78 22.5 7.2 10.8#

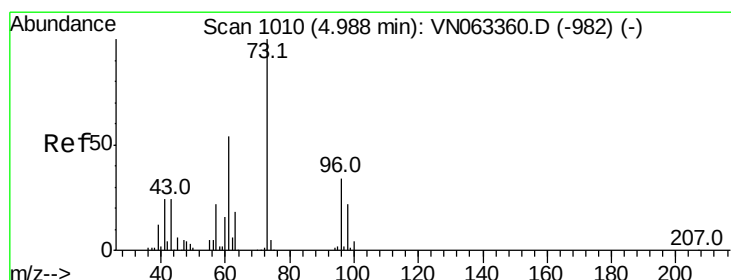
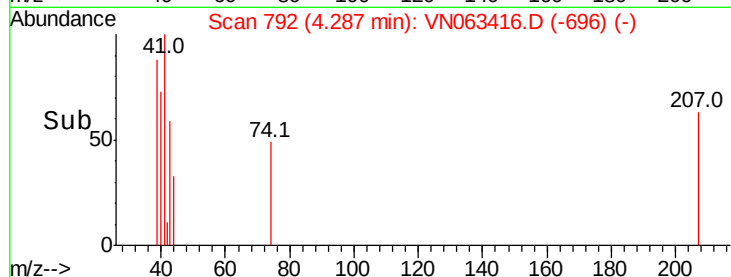
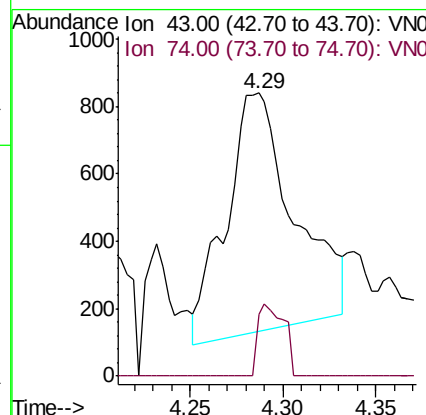
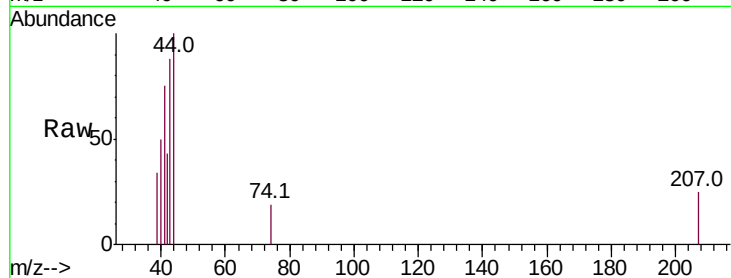




#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

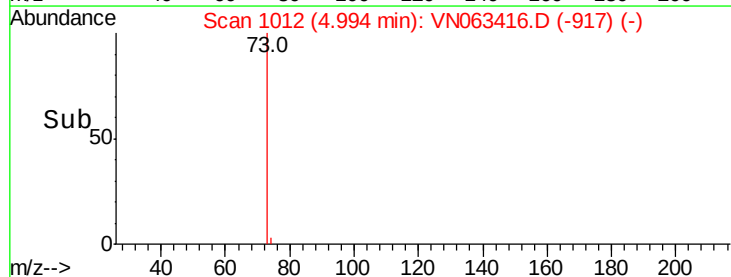
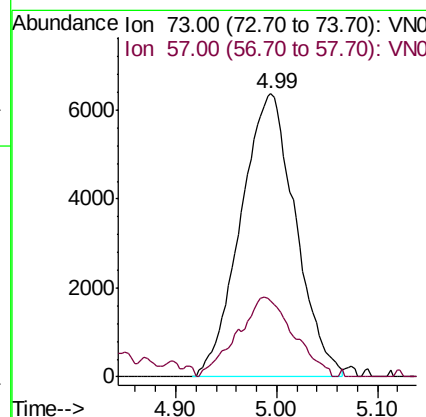
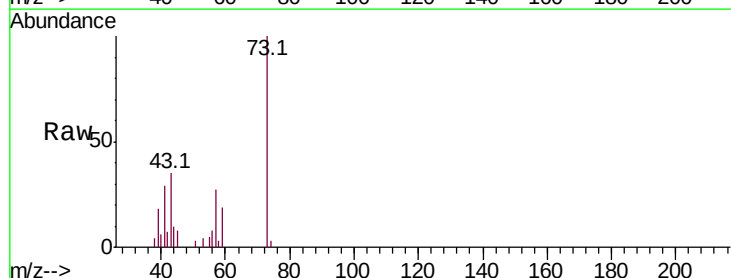
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

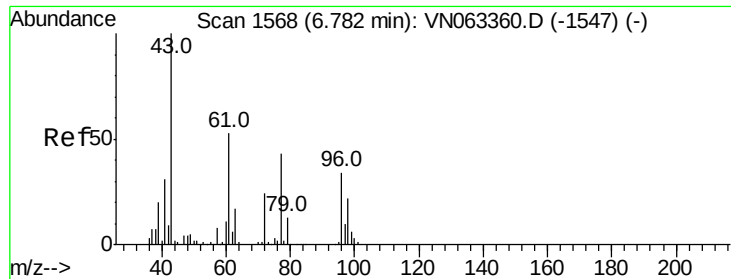
Tot Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
74 11.7 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 2.222 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 73 Resp: 24047
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9

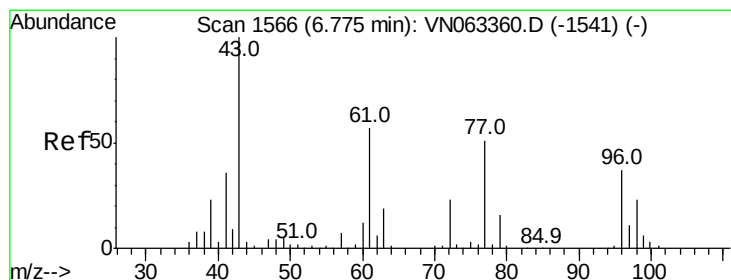
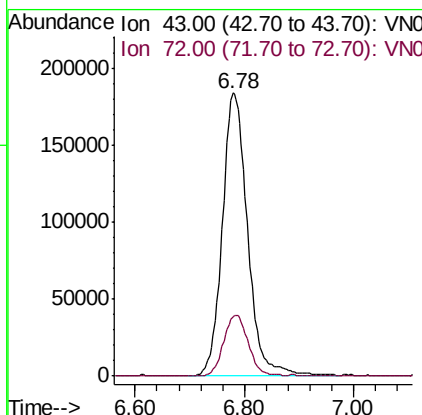
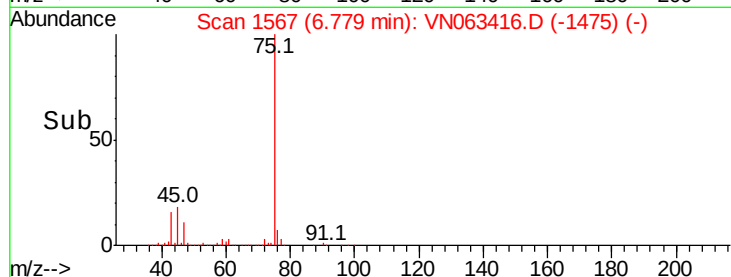
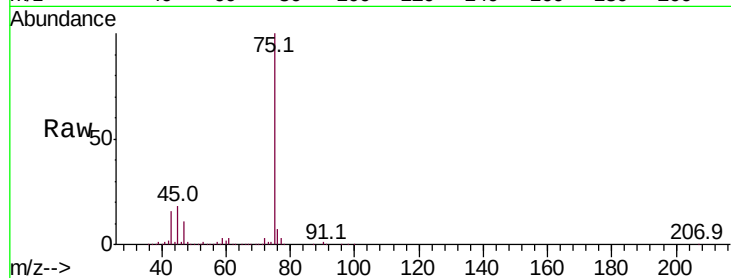




#25
2-Butanone
Concen: 273.280 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

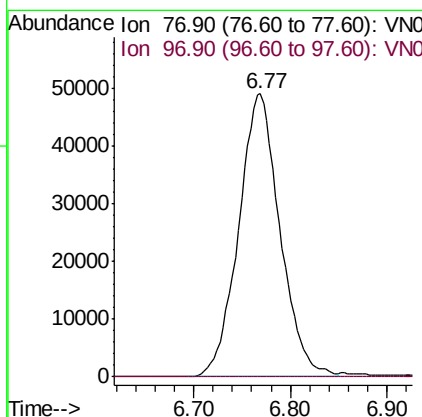
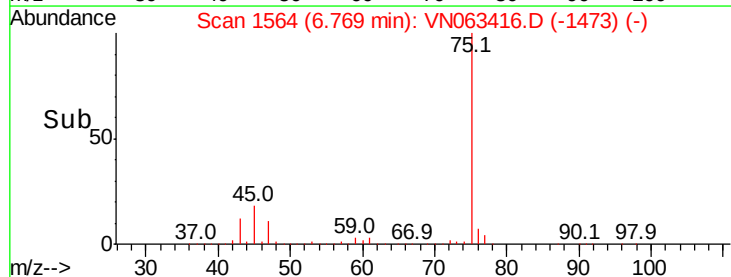
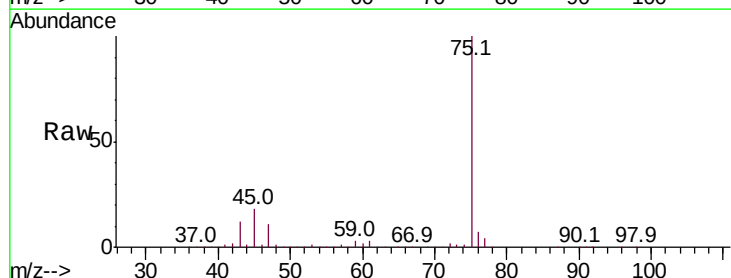
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

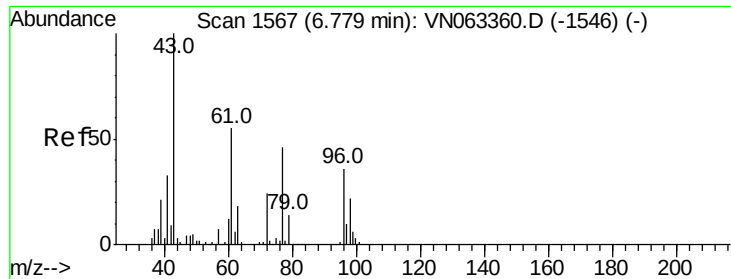
Tot Ion: 43 Resp: 591660
Ion Ratio Lower Upper
43 100
72 21.1 19.2 28.8



#26
2,2-Dichloropropane
Concen: 25.891 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 77 Resp: 145785
Ion Ratio Lower Upper
77 100
97 0.0 10.5 31.6#

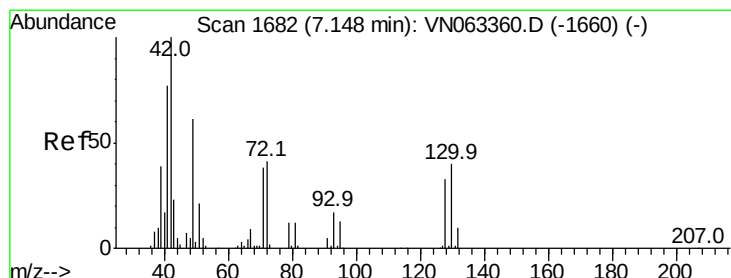
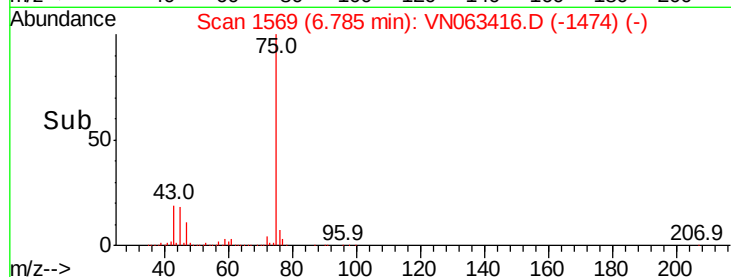
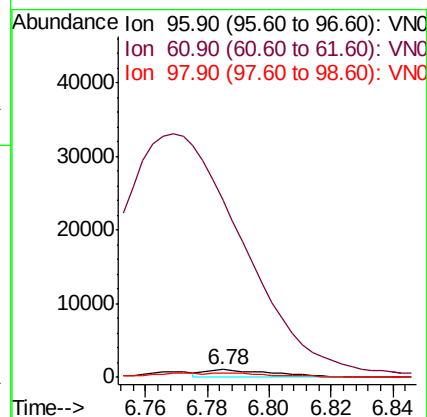
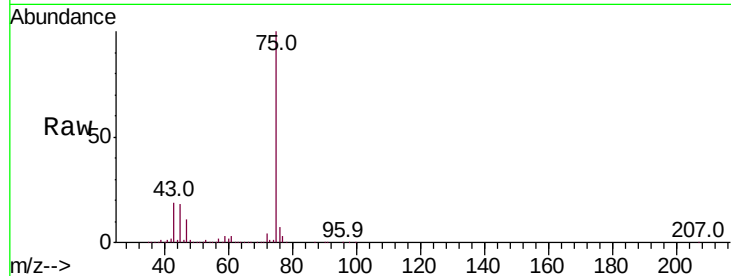




#27
 cis-1,2-Dichloroethene
 Concen: 0.432 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

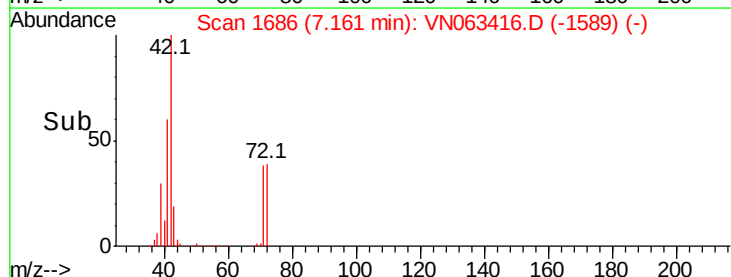
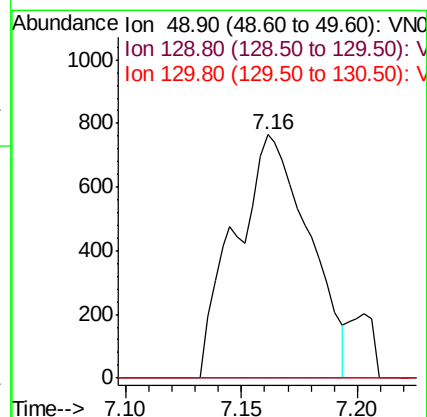
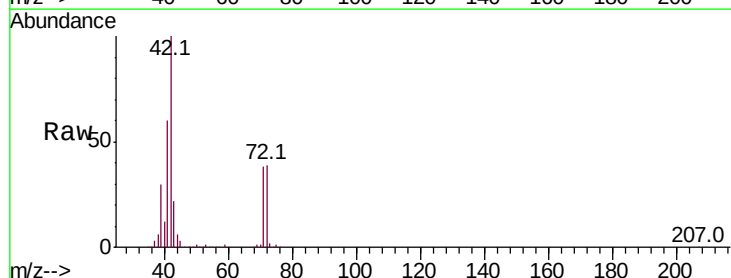
Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

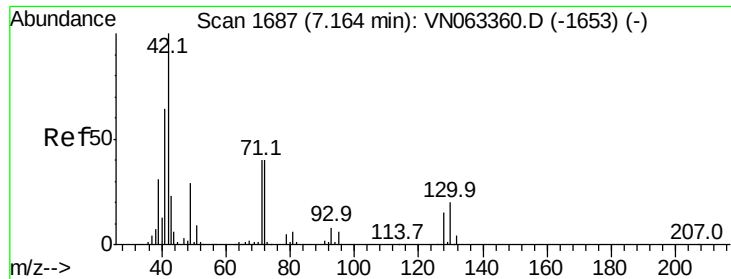
Tot Ion: 96 Resp: 1574
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 319.6
 98 0.0 0.0 127.8



#28
 Bromochloromethane
 Concen: 0.574 ug/l
 RT: 7.16 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Tgt Ion: 49 Resp: 1696
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 52.2 78.2#





#29

Tetrahydrofuran

Concen: 456.621 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

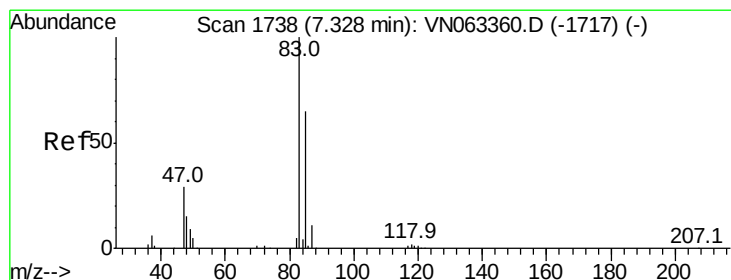
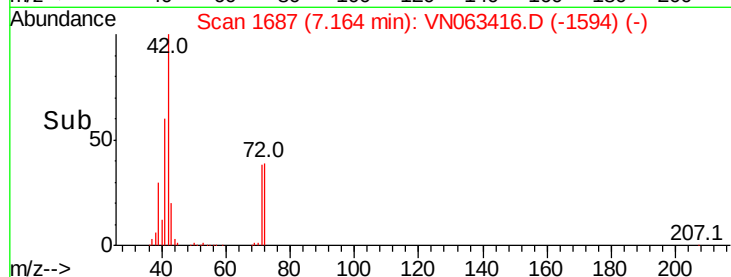
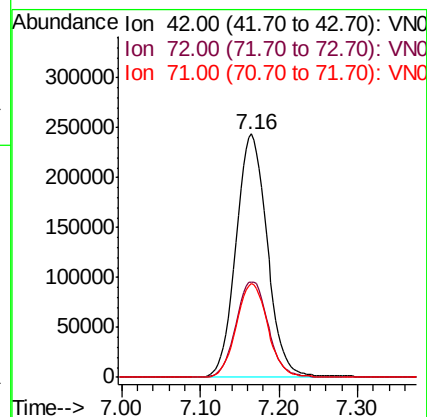
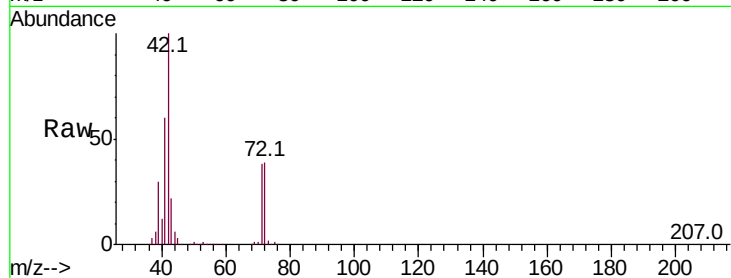
Tot Ion: 42 Resp: 675191

Ion Ratio Lower Upper

42 100

72 40.8 32.1 48.1

71 39.0 31.2 46.8



#30

Chloroform

Concen: 0.301 ug/l

RT: 7.34 min Scan# 1743

Delta R.T. 0.02 min

Lab File: VN063416.D

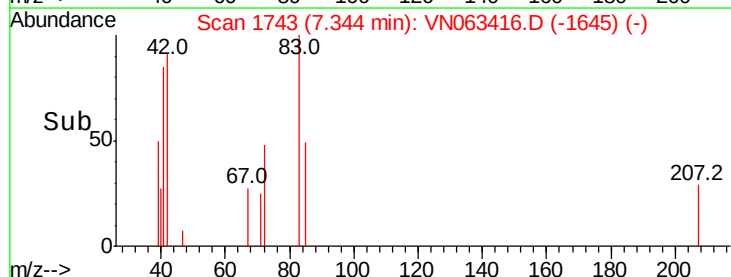
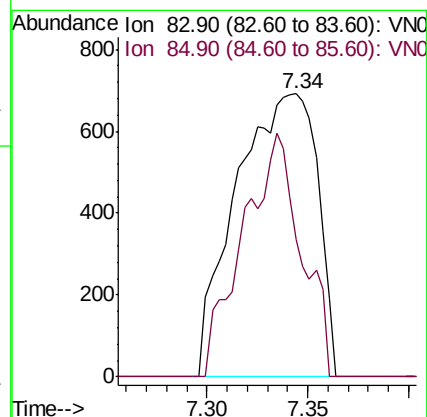
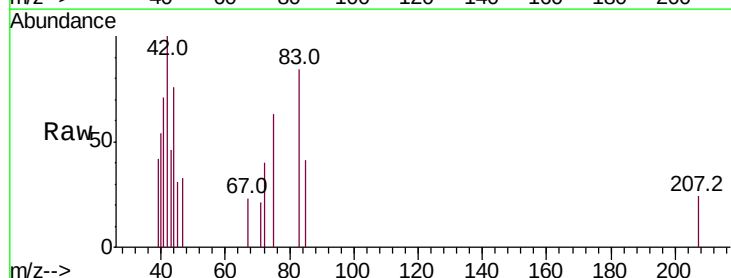
Acq: 17 Sep 2020 14:02

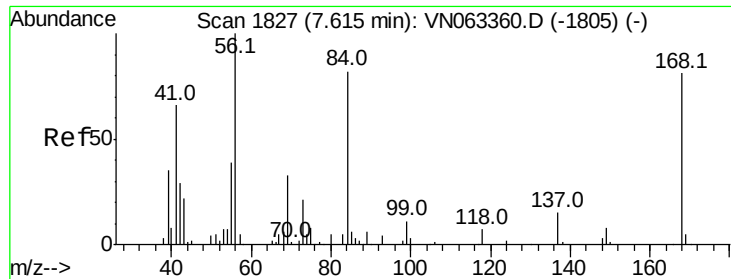
Tgt Ion: 83 Resp: 1933

Ion Ratio Lower Upper

83 100

85 48.7 52.1 78.1#

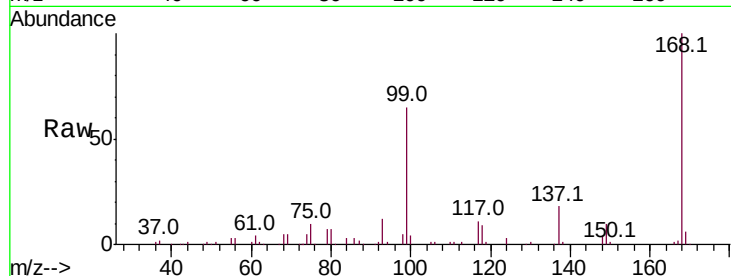




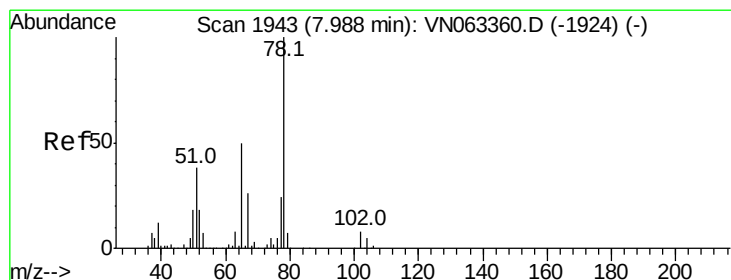
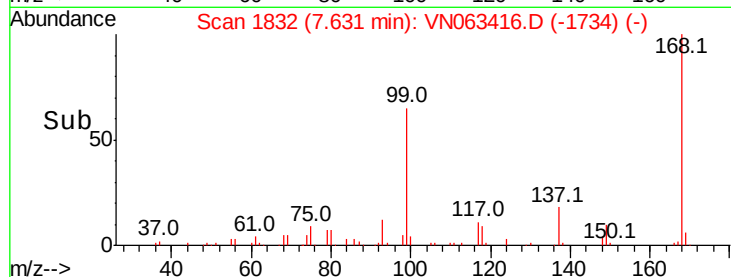
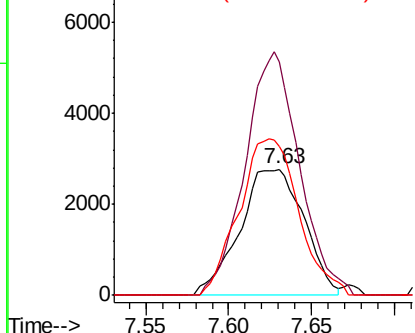
#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

Tot Ion: 56 Resp: 7462
Ion Ratio Lower Upper
56 100
69 184.5 26.1 39.1#
84 118.3 65.4 98.2#

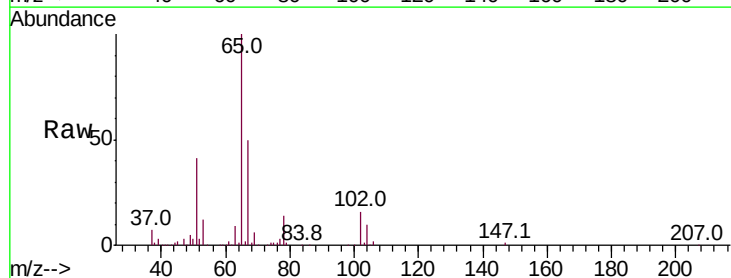


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

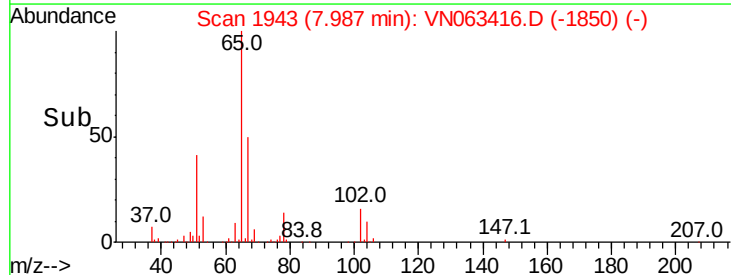
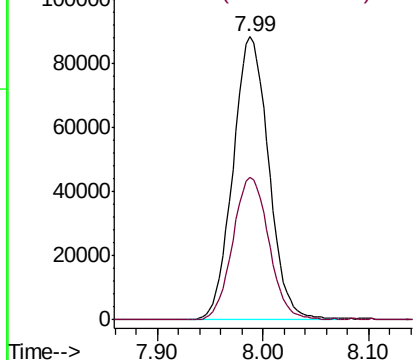


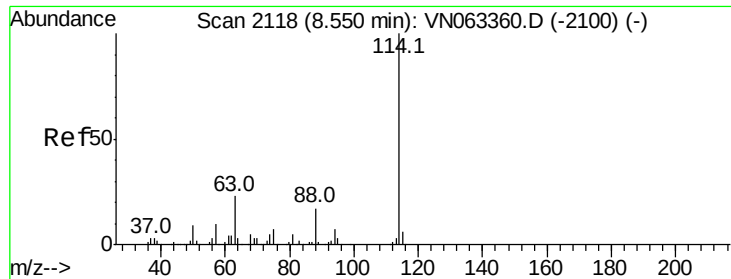
#33
1,2-Dichloroethane-d4
Concen: 47.617 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 65 Resp: 208571
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

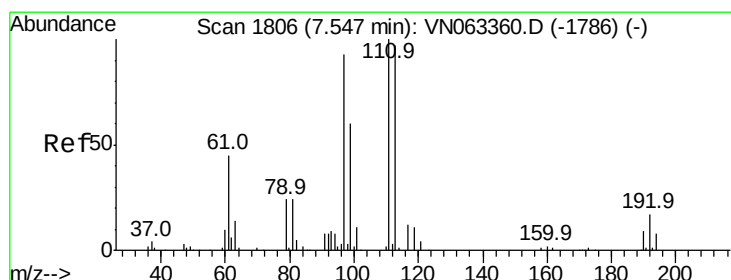
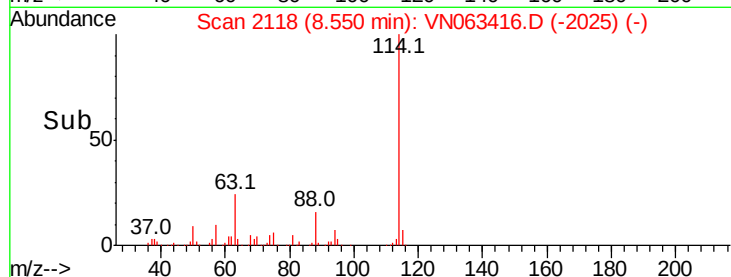
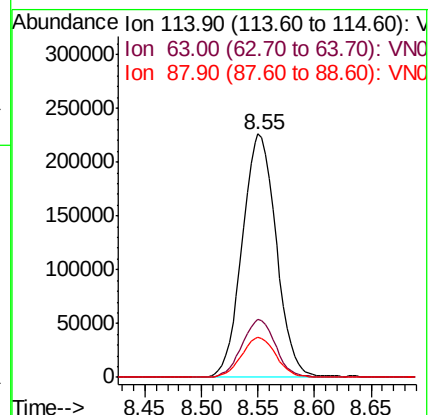
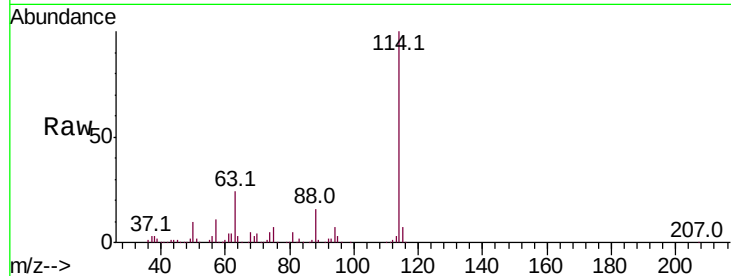




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

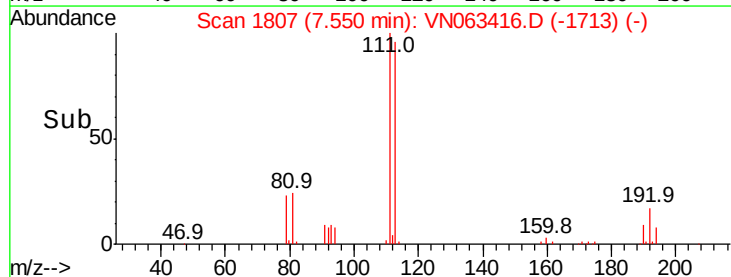
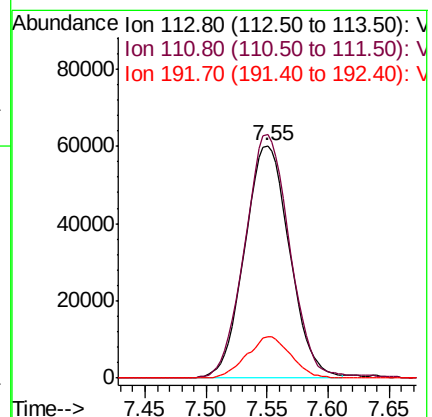
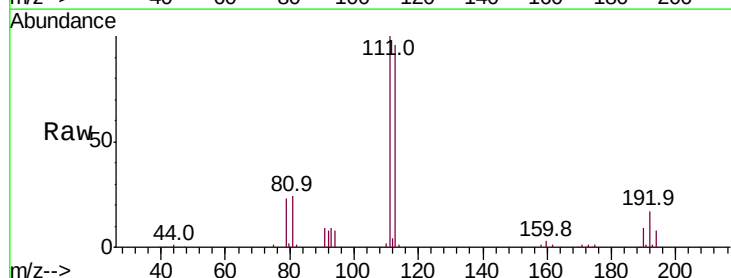
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

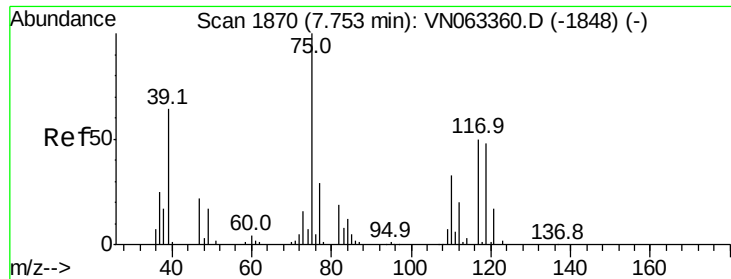
Tot Ion:114 Resp: 474121
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.4
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.901 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion:113 Resp: 153942
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 17.3 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.906 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

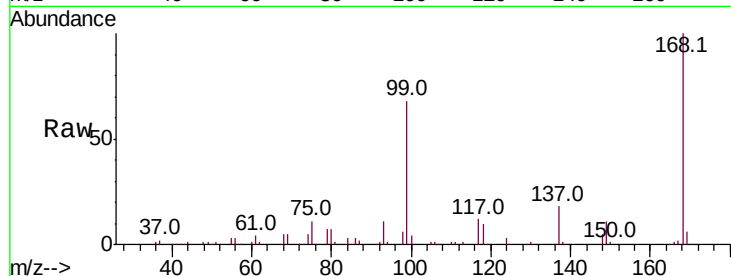
Tot Ion: 75 Resp: 24781

Ion Ratio Lower Upper

75 100

110 9.6 16.5 49.5#

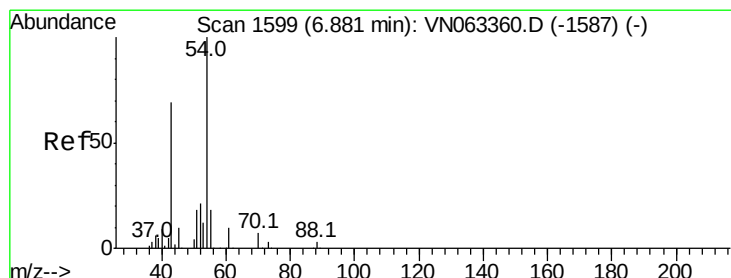
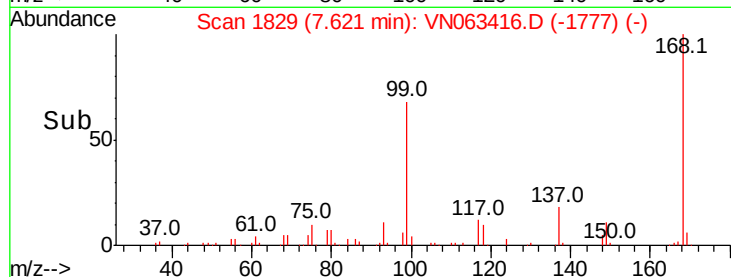
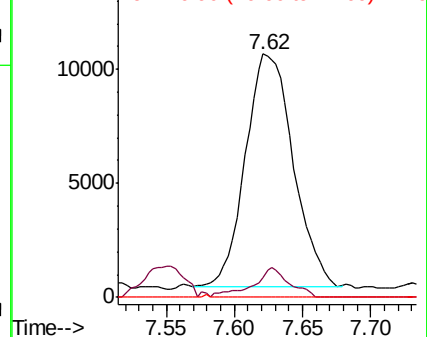
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 119.348 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.10 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

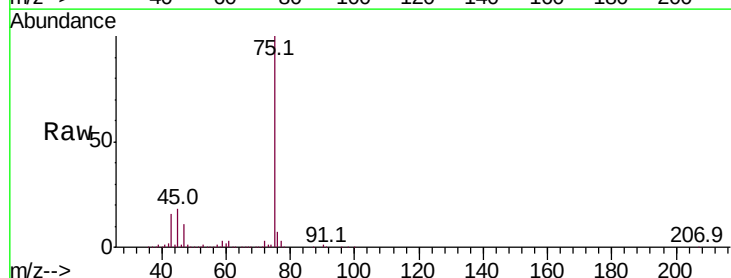
Tgt Ion: 43 Resp: 591660

Ion Ratio Lower Upper

43 100

61 17.3 10.6 15.8#

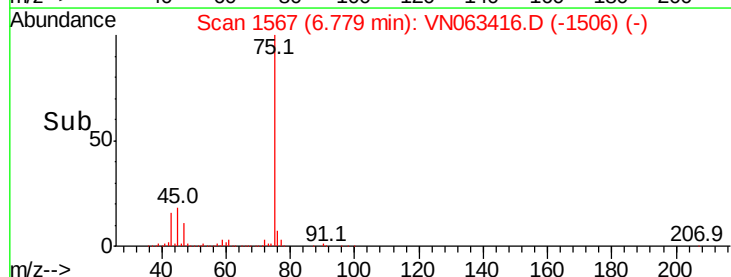
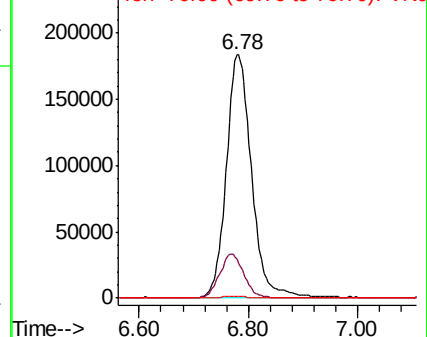
70 0.5 7.2 10.8#

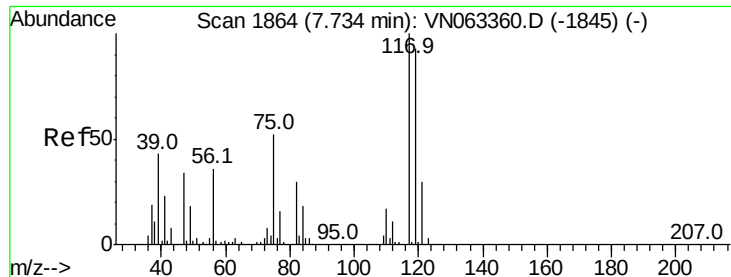


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

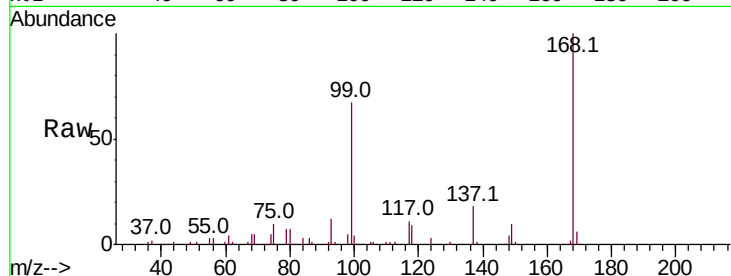
Tot Ion:117 Resp: 29655

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

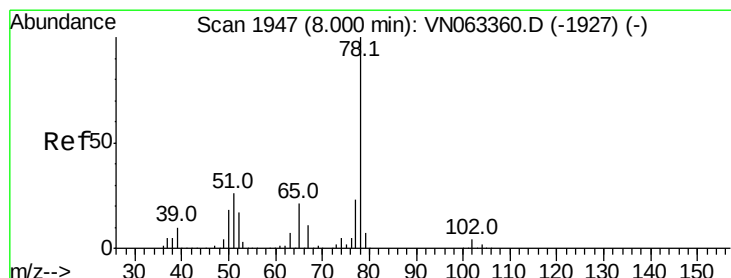
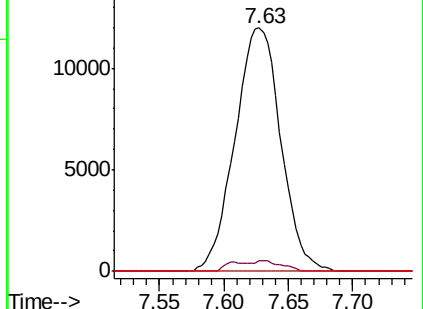
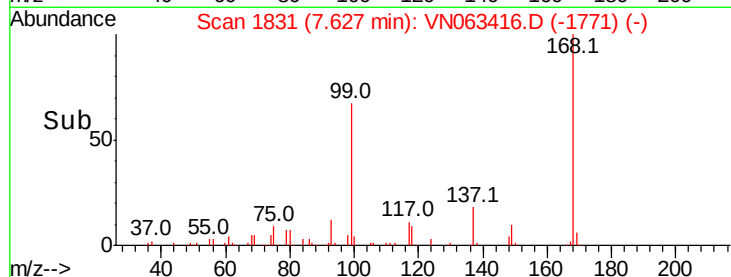
121 0.0 24.1 36.1#



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



#40

Benzene

Concen: 3.526 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN063416.D

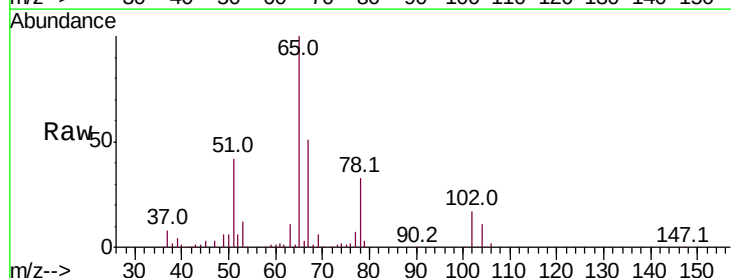
Acq: 17 Sep 2020 14:02

Tgt Ion: 78 Resp: 50841

Ion Ratio Lower Upper

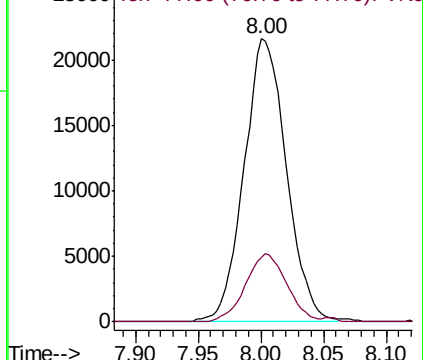
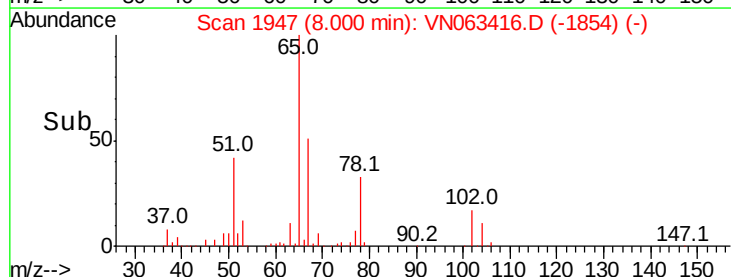
78 100

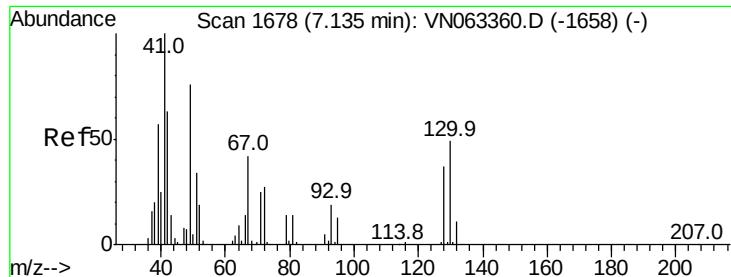
77 22.8 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

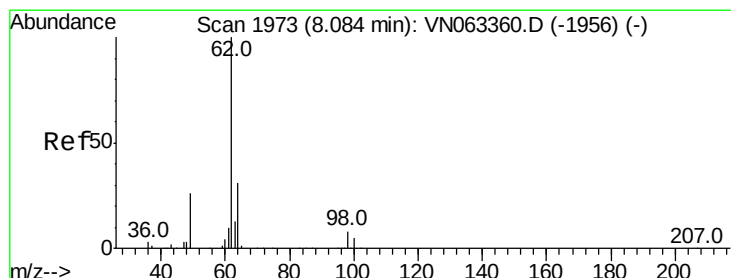
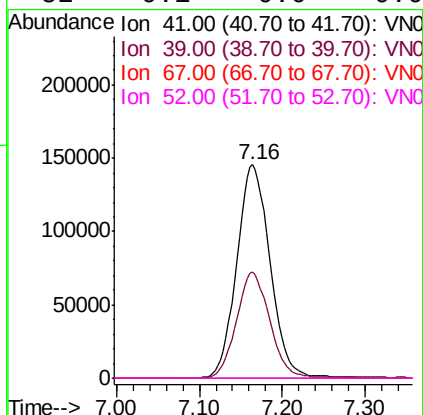
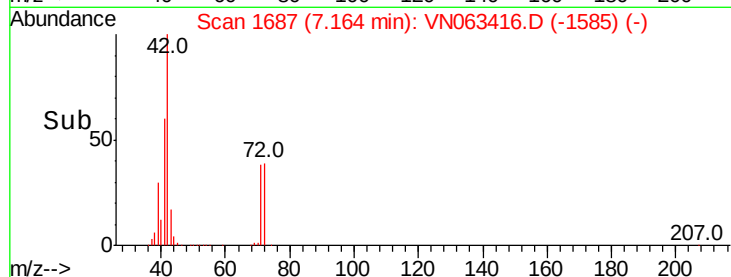
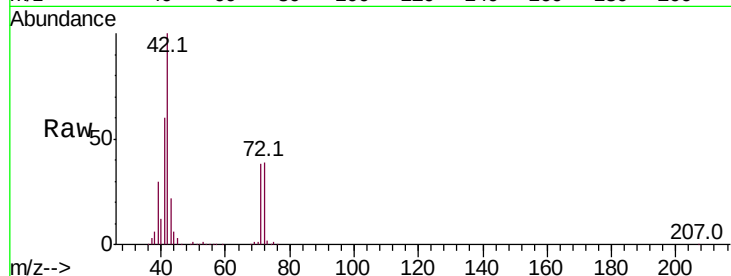




#41
Methacrylonitrile
Concen: 182.598 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

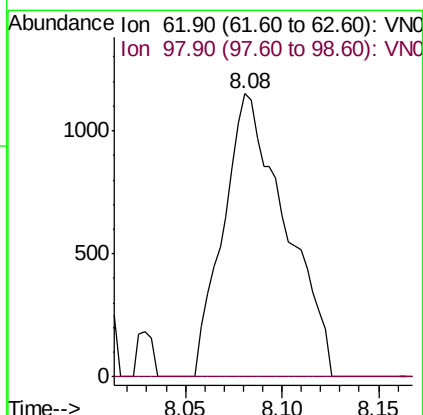
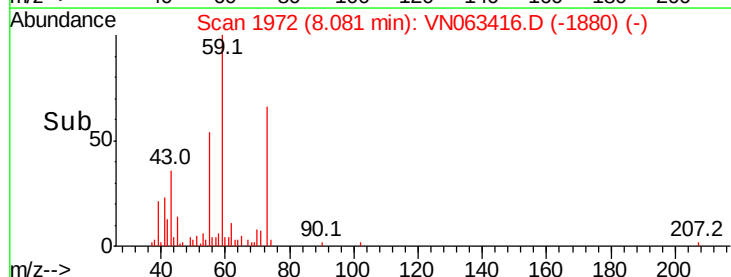
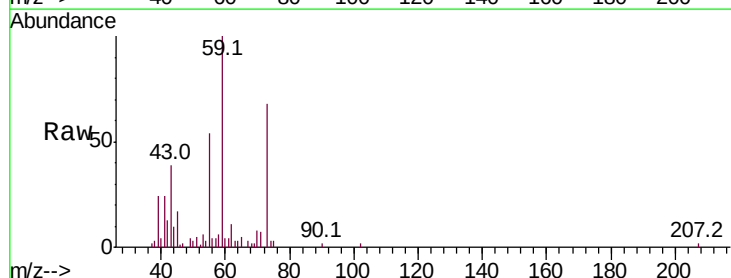
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

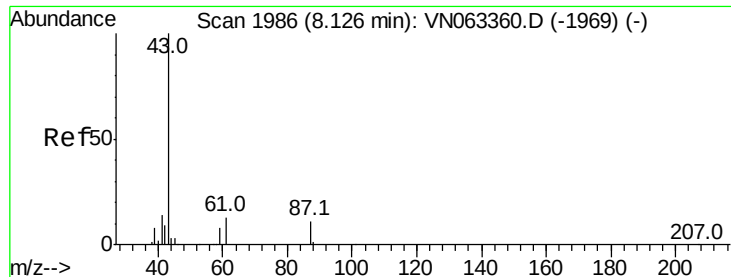
Tot Ion: 41 Resp: 407132
Ion Ratio Lower Upper
41 100
39 49.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 0.443 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 62 Resp: 2568
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.6





#43

Isopropyl Acetate

Concen: 1.498 ug/l

RT: 8.09 min Scan# 1976

Delta R.T. -0.03 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

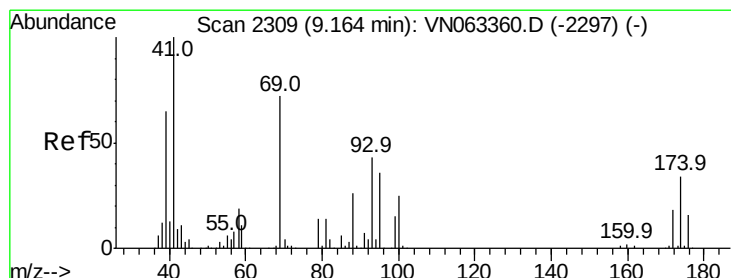
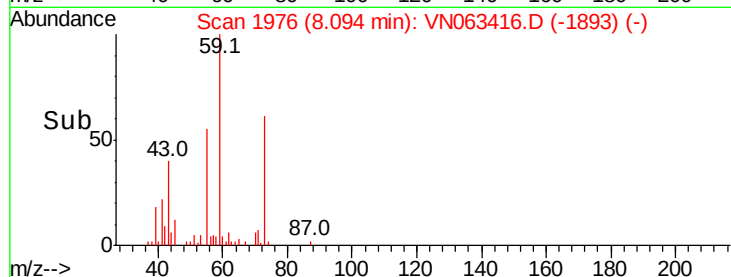
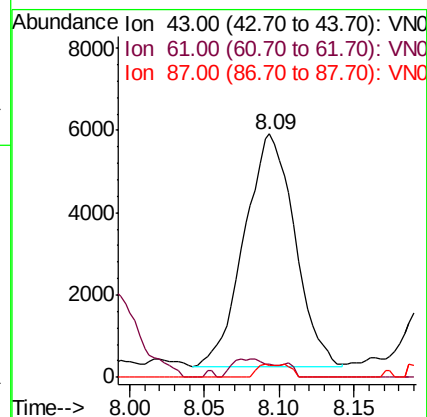
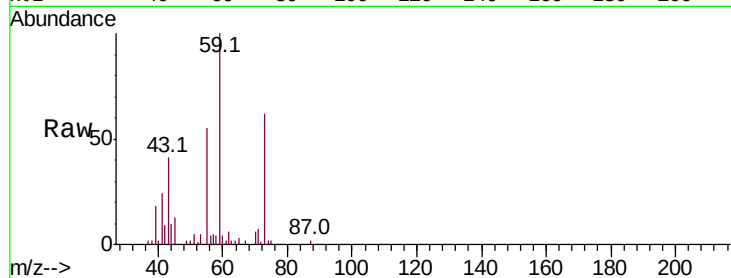
Tot Ion: 43 Resp: 13276

Ion Ratio Lower Upper

43 100

61 5.7 14.2 21.2#

87 2.0 9.0 13.6#



#48

Methyl methacrylate

Concen: 0.207 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

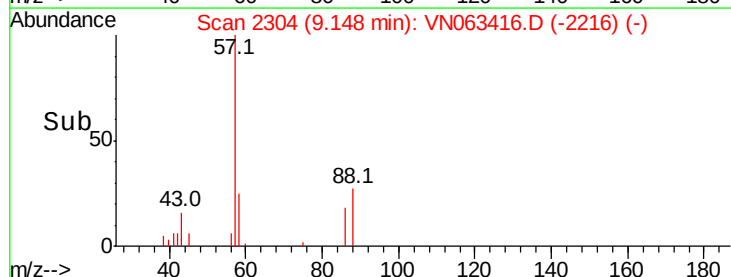
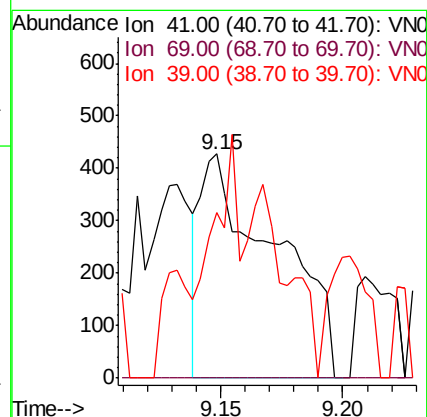
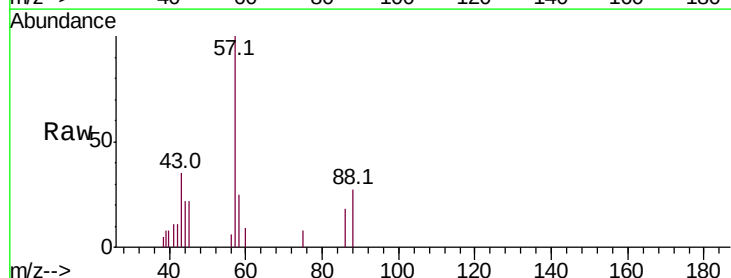
Tgt Ion: 41 Resp: 900

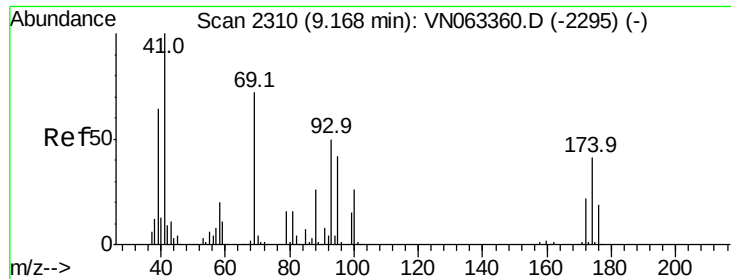
Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 20.6 52.9 79.3#

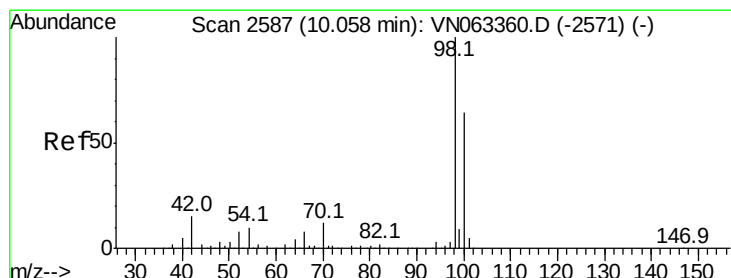
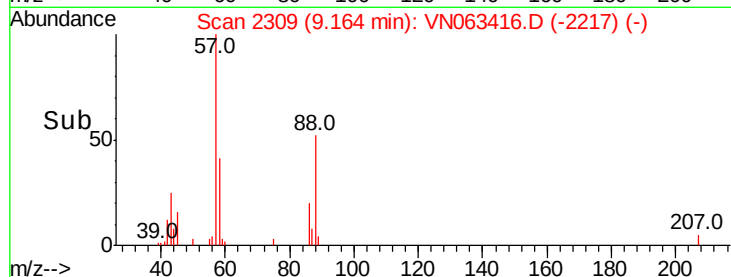
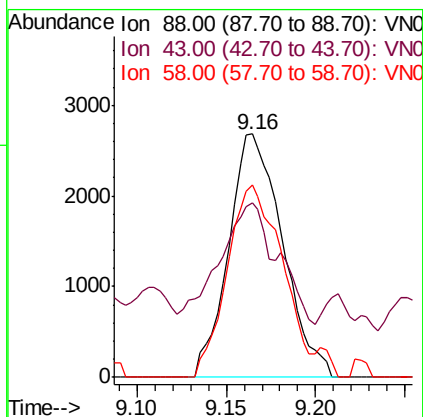
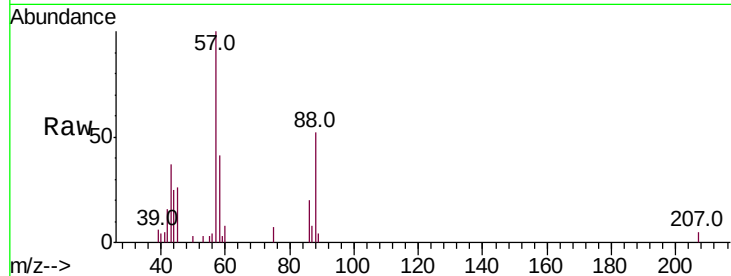




#49
1,4-Dioxane
Concen: 90.290 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

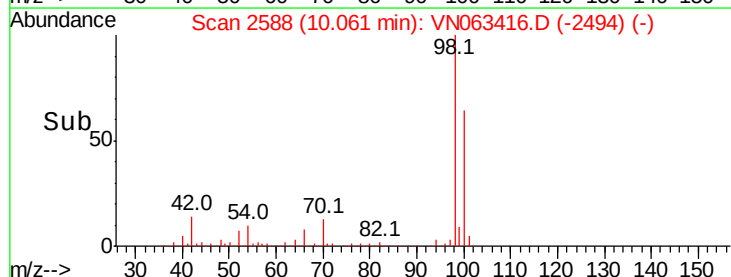
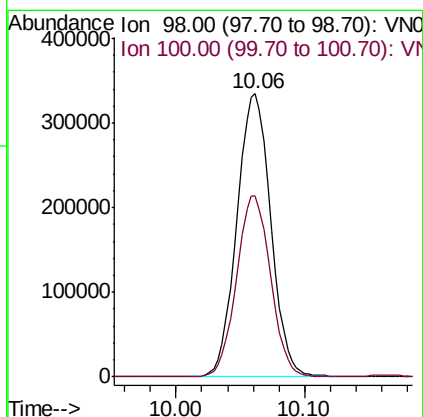
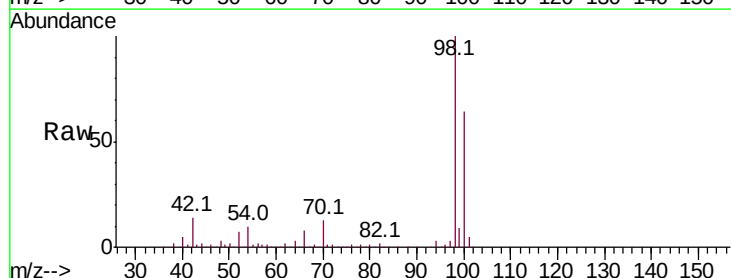
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

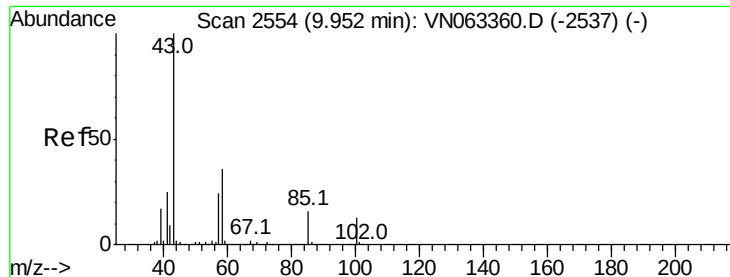
Tot Ion: 88 Resp: 5643
Ion Ratio Lower Upper
88 100
43 53.6 32.6 49.0#
58 81.0 60.0 90.0



#50
Toluene-d8
Concen: 49.708 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 98 Resp: 613491
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 4.240 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

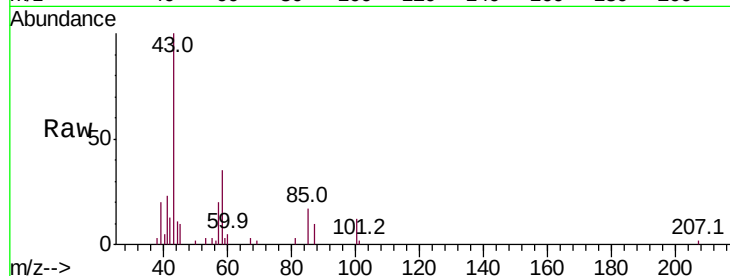
200916080-01-VOA

Tot Ion: 43 Resp: 21043

Ion Ratio Lower Upper

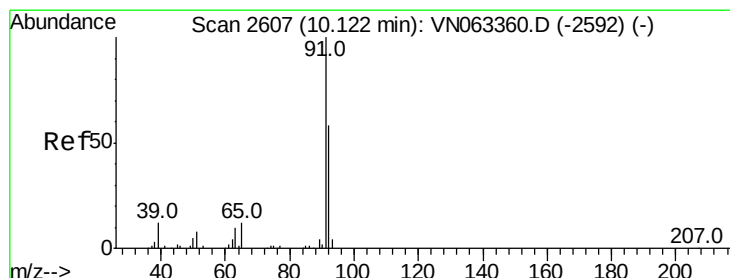
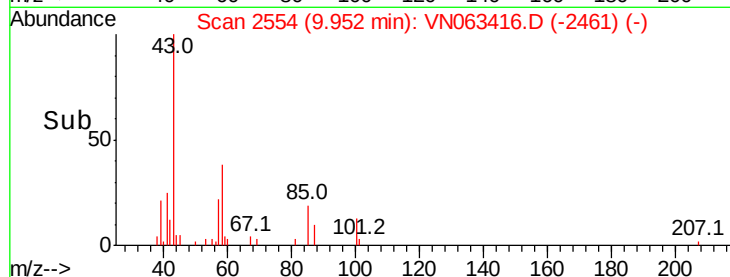
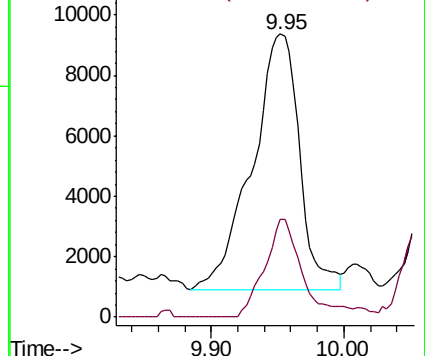
43 100

58 30.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.070 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063416.D

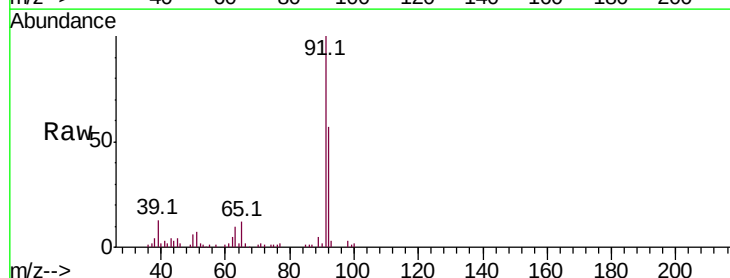
Acq: 17 Sep 2020 14:02

Tgt Ion: 92 Resp: 35280

Ion Ratio Lower Upper

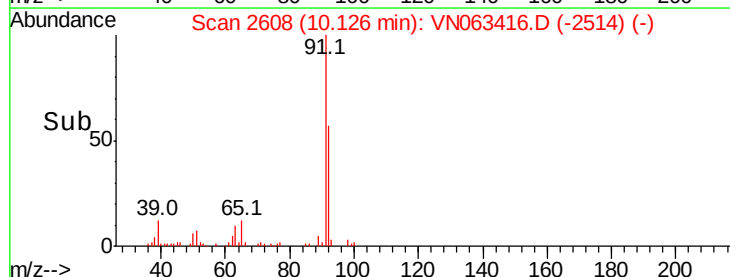
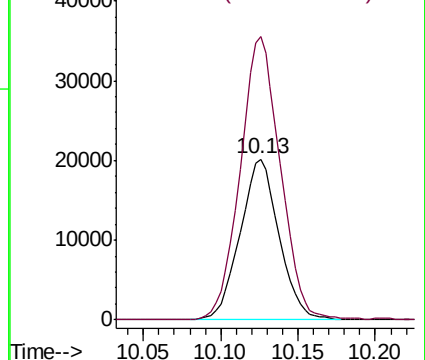
92 100

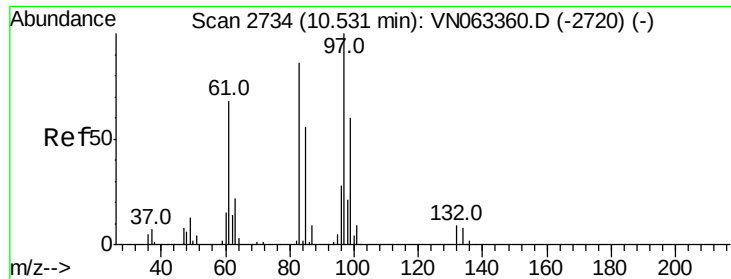
91 181.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

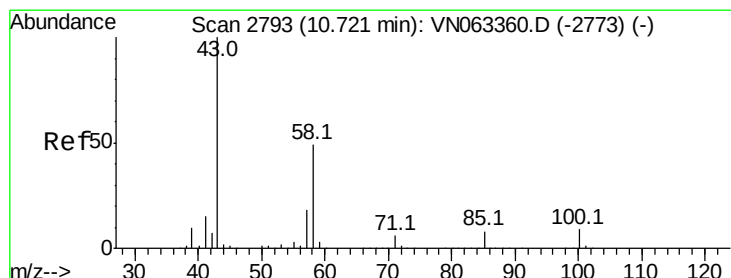
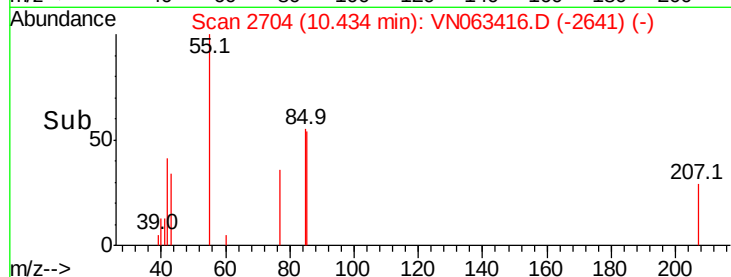
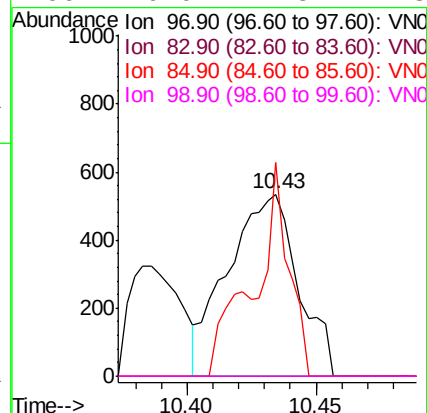
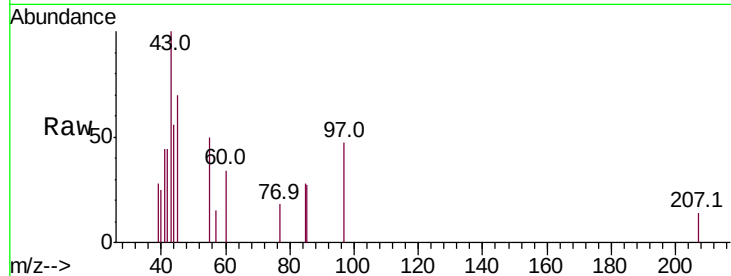




#55
 1,1,2-Trichloroethane
 Concen: 0.294 ug/l
 RT: 10.43 min Scan# 2704
 Delta R.T. -0.10 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

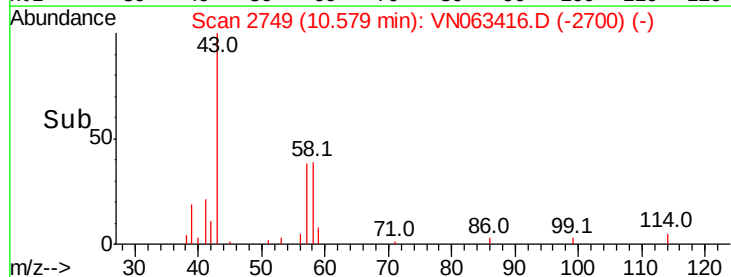
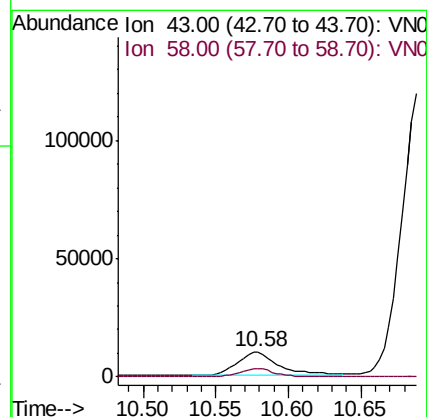
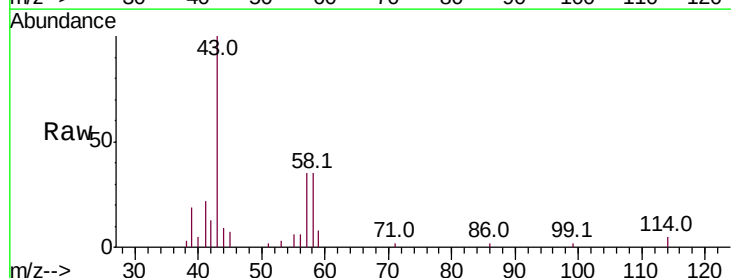
Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

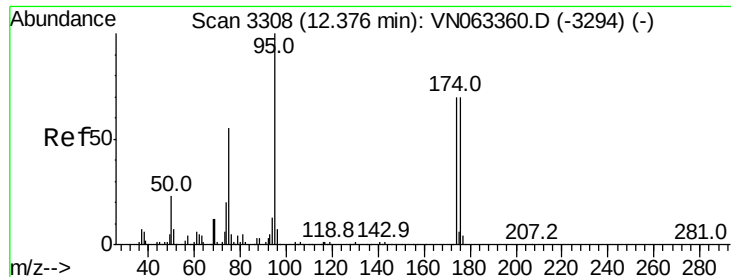
Tot Ion: 97 Resp: 1014
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.9 103.3#
 85 117.4 44.8 67.2#
 99 0.0 47.8 71.8#



#59
 2-Hexanone
 Concen: 5.515 ug/l
 RT: 10.58 min Scan# 2749
 Delta R.T. -0.14 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Tgt Ion: 43 Resp: 19828
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.7 74.1





#62

4-Bromofluorobenzene

Concen: 55.979 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

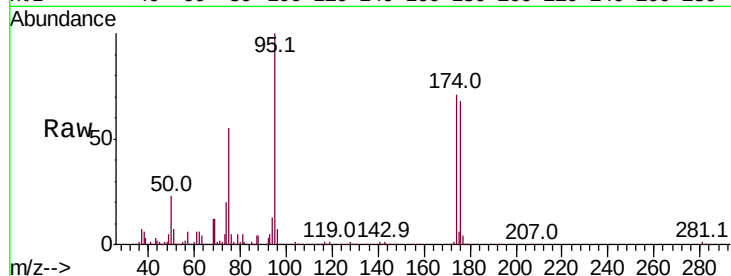
Tot Ion: 95 Resp: 253264

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

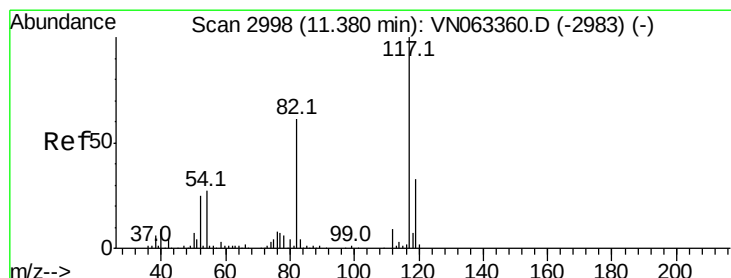
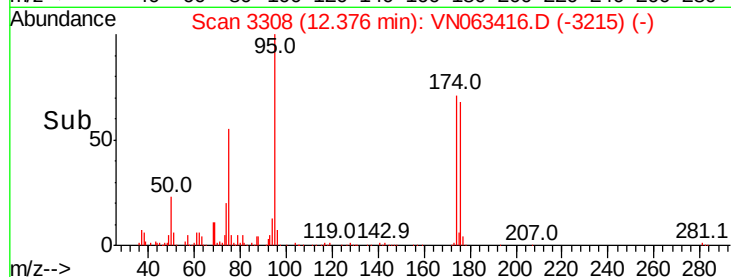
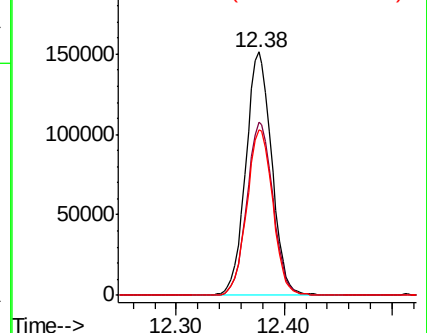
176 68.1 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

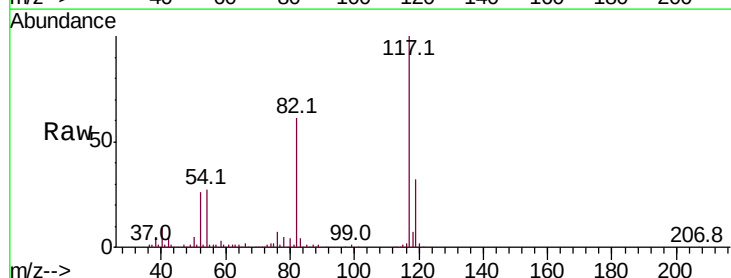
Tgt Ion: 117 Resp: 476108

Ion Ratio Lower Upper

117 100

82 60.8 49.2 73.8

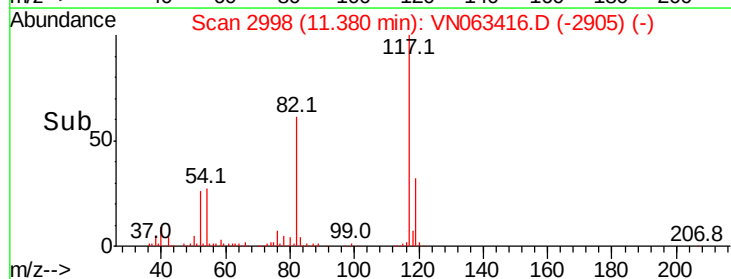
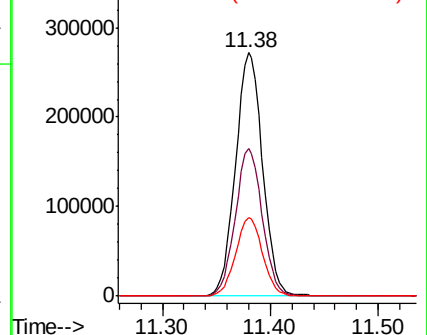
119 32.1 26.2 39.4

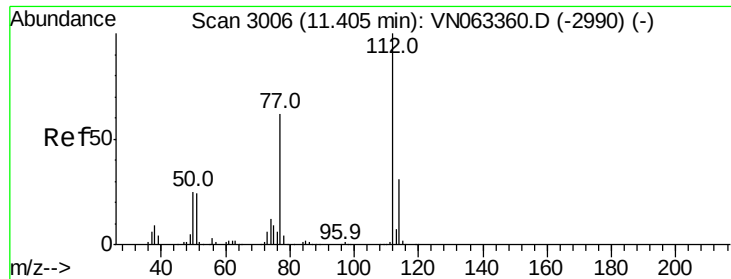


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)

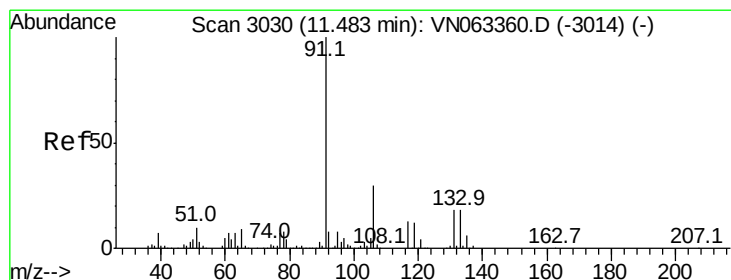
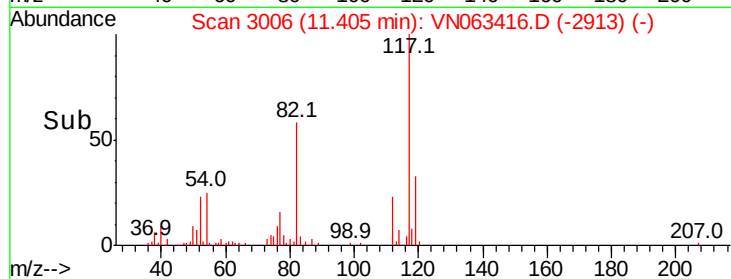
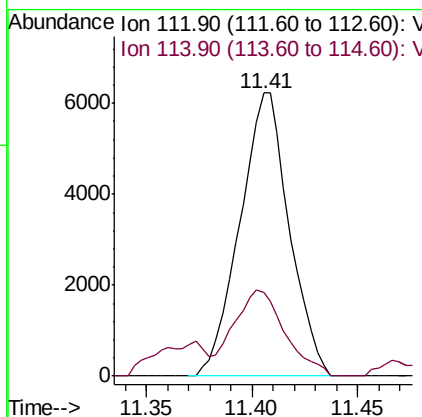
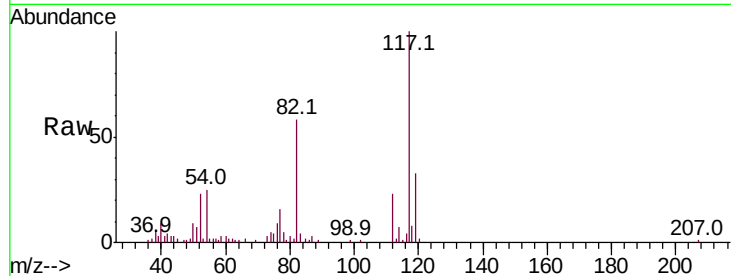




#65
Chlorobenzene
Concen: 1.001 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

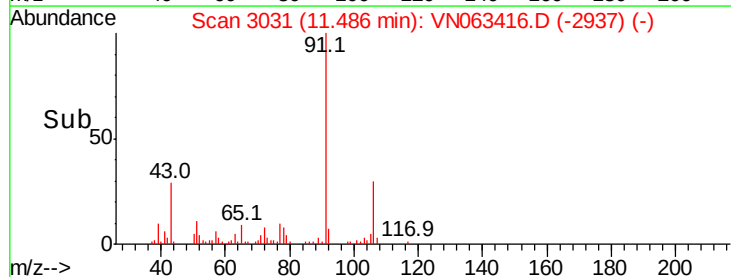
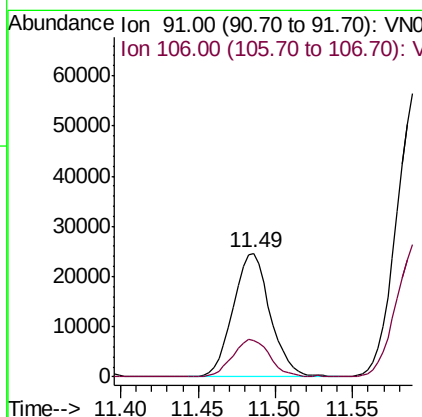
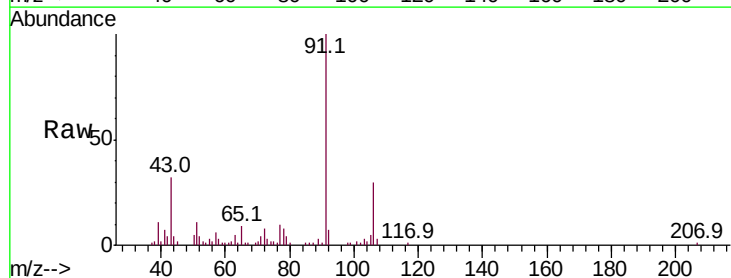
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

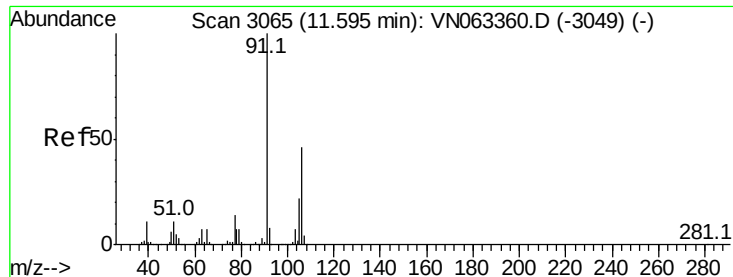
Tot Ion:112 Resp: 10121
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.6



#67
Ethyl Benzene
Concen: 2.158 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 91 Resp: 41079
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

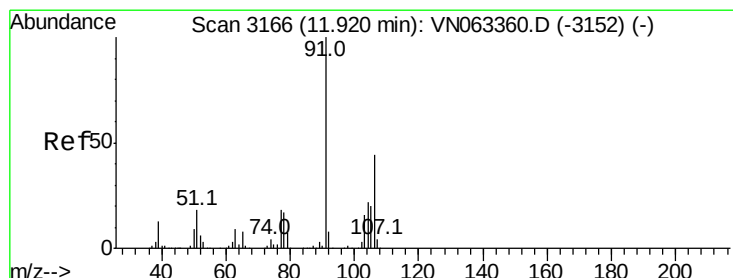
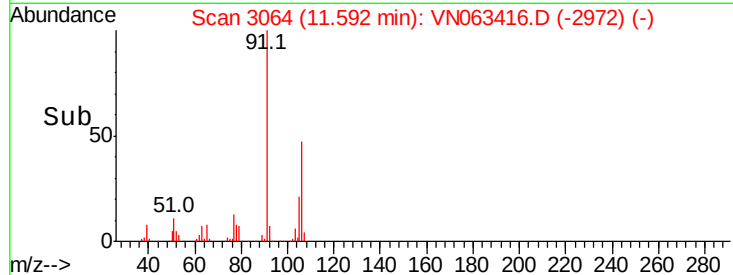
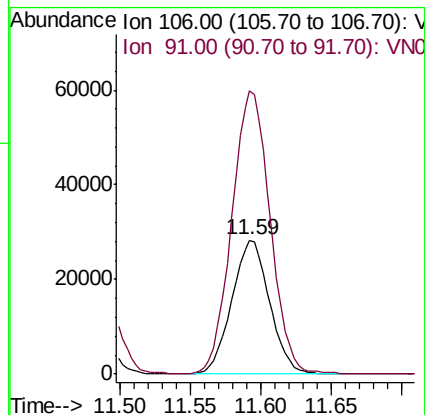
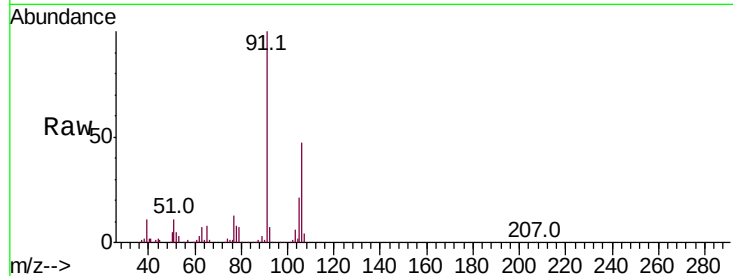




#68
m/p-Xylenes
Concen: 7.738 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

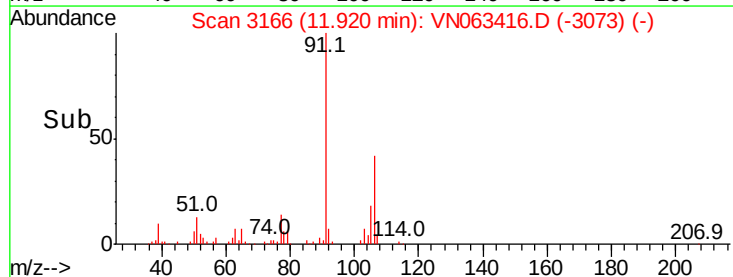
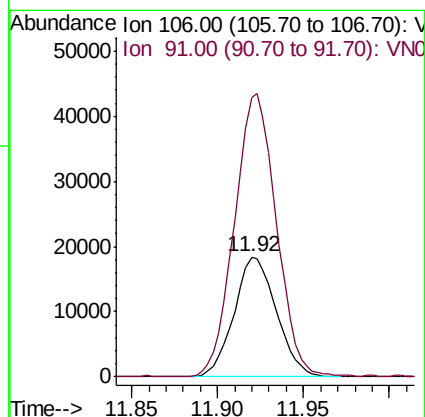
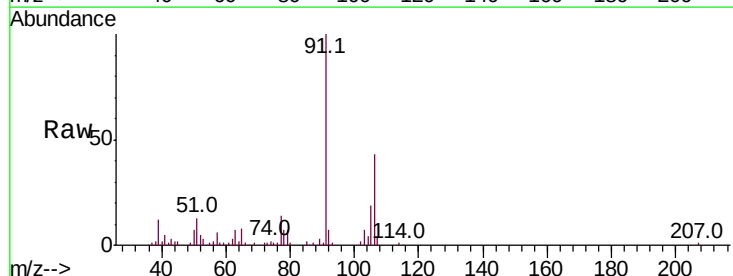
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

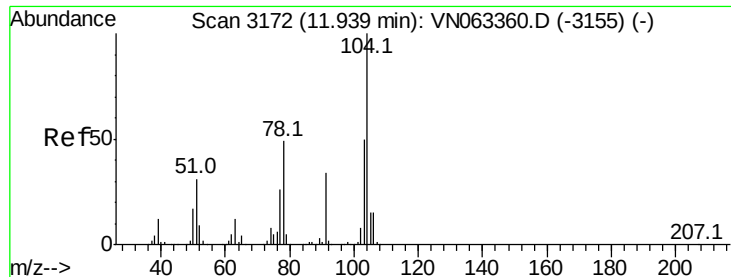
Tot Ion:106 Resp: 53100
Ion Ratio Lower Upper
106 100
91 214.1 171.2 256.8



#69
o-Xylene
Concen: 4.800 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion:106 Resp: 31378
Ion Ratio Lower Upper
106 100
91 234.4 113.6 340.8





#70

Stvrene

Concen: 0.503 ug/l

RT: 11.93 min Scan# 3170

Delta R.T. -0.01 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

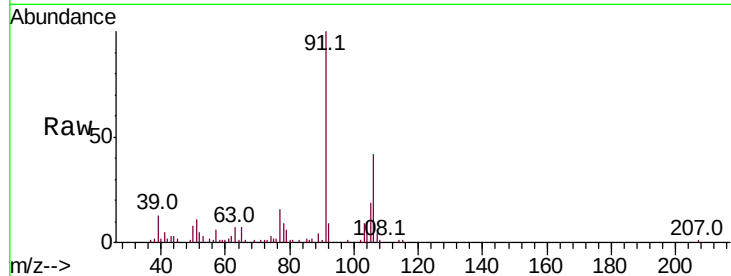
Tot Ion:104 Resp: 5513

Ion Ratio Lower Upper

104 100

78 117.1 44.4 66.6#

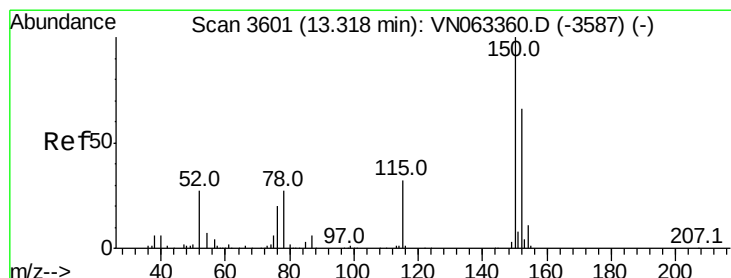
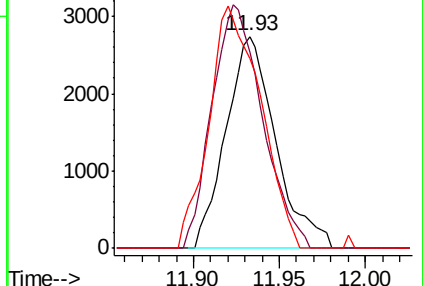
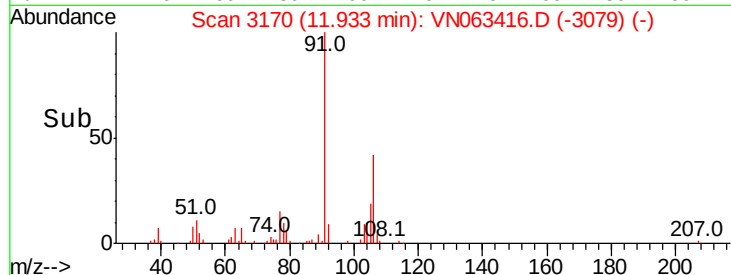
103 118.8 43.7 65.5#



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: VN063416.D

Acq: 17 Sep 2020 14:02

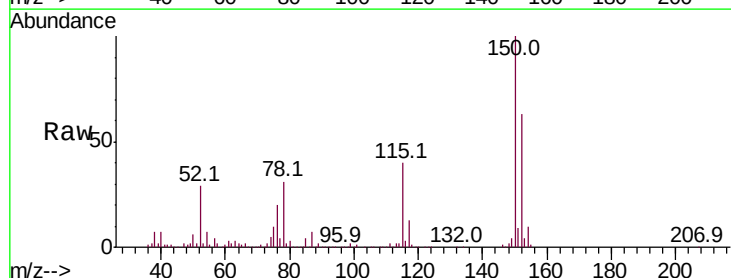
Tgt Ion:152 Resp: 213940

Ion Ratio Lower Upper

152 100

115 63.1 32.2 96.6

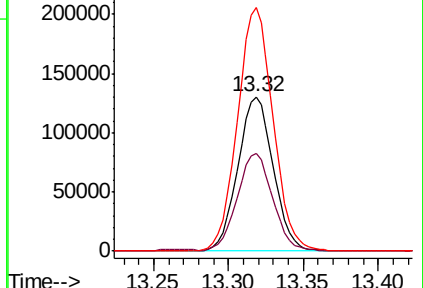
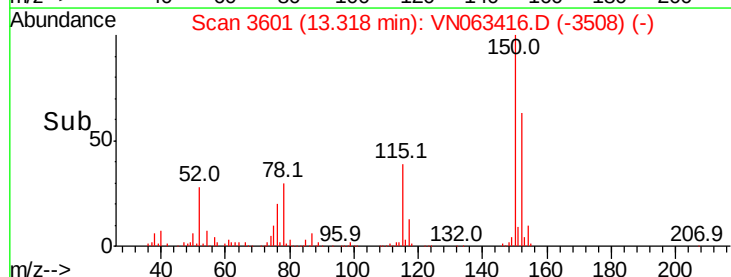
150 159.2 0.0 343.4

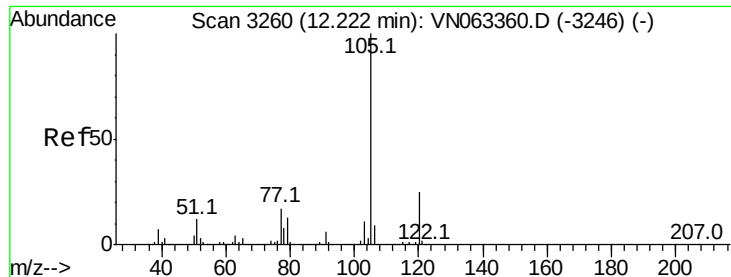


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.254 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

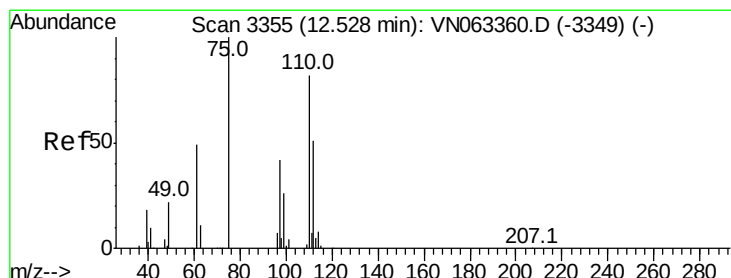
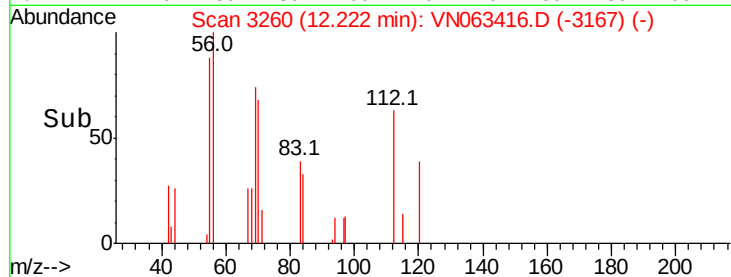
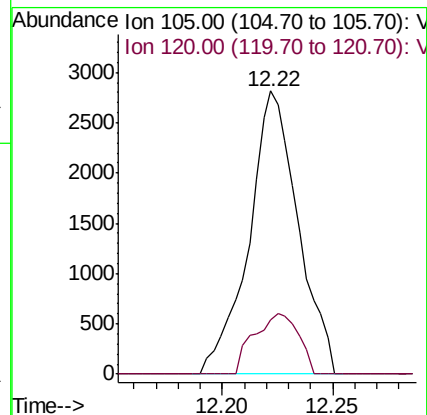
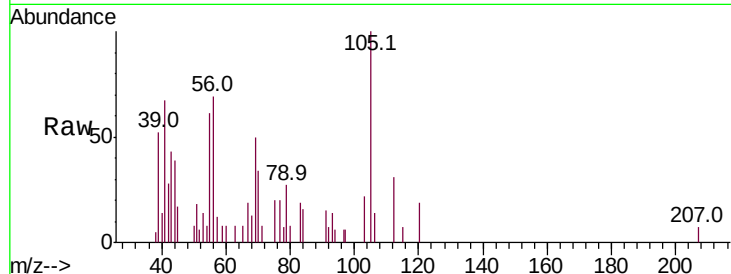
200916080-01-VOA

Tot Ion:105 Resp: 4350

Ion Ratio Lower Upper

105 100

120 19.2 12.7 38.0



#76

1,2,3-Trichloropropane

Concen: 26.301 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063416.D

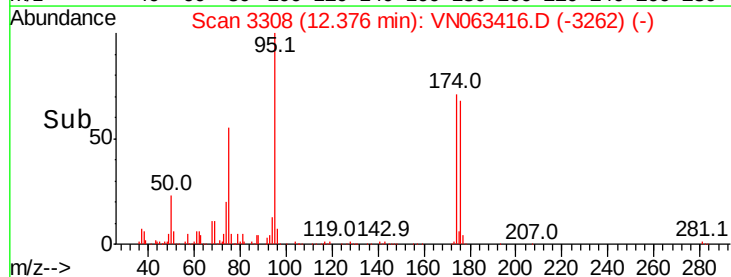
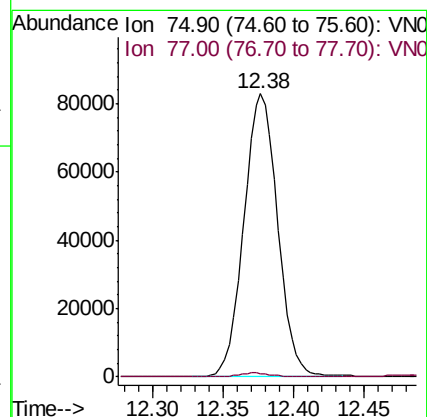
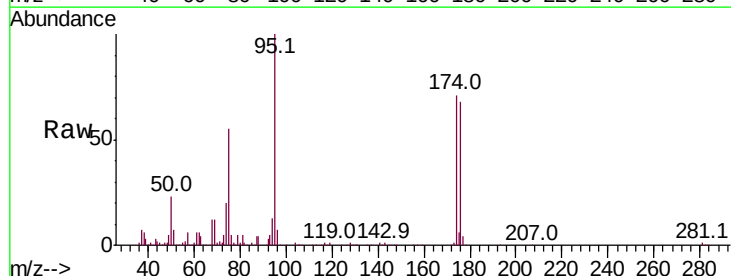
Acq: 17 Sep 2020 14:02

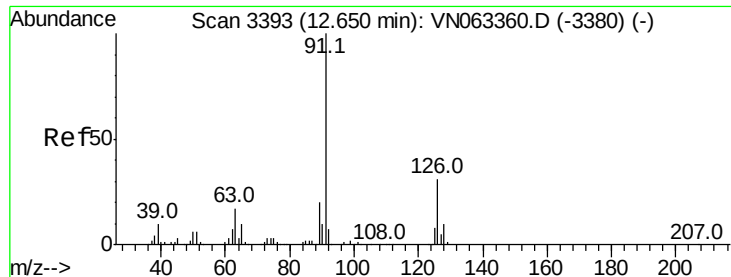
Tgt Ion: 75 Resp: 139273

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

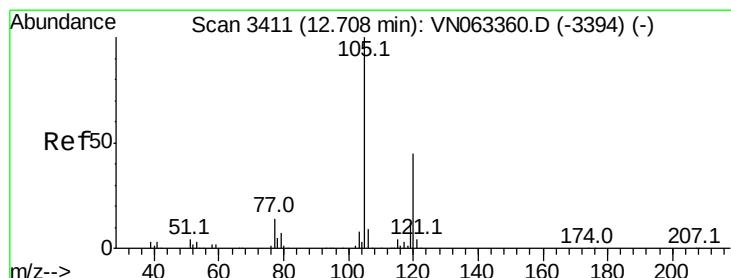
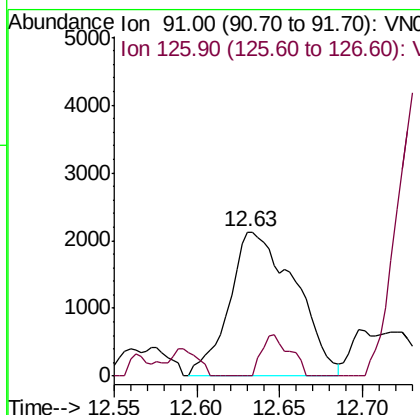
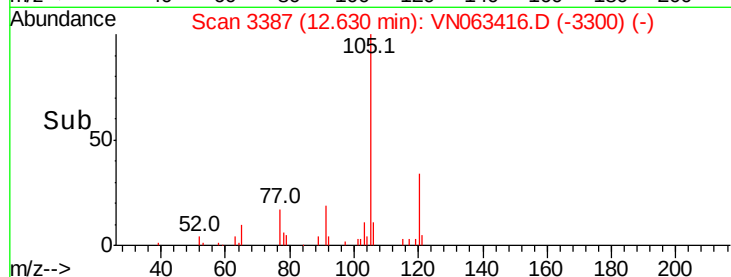
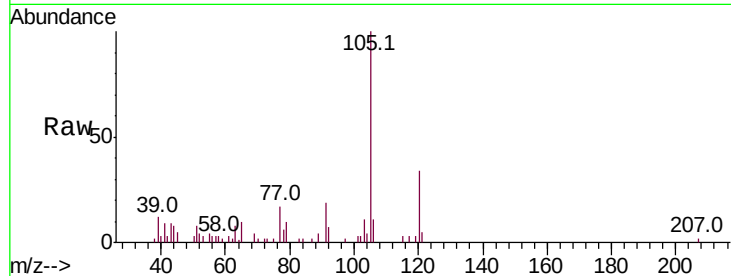




#79
 2-Chlorotoluene
 Concen: 0.494 ug/l
 RT: 12.63 min Scan# 3387
 Delta R.T. -0.02 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

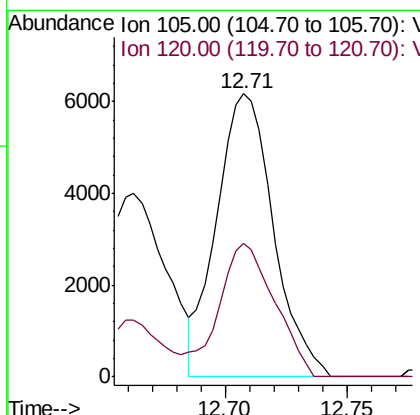
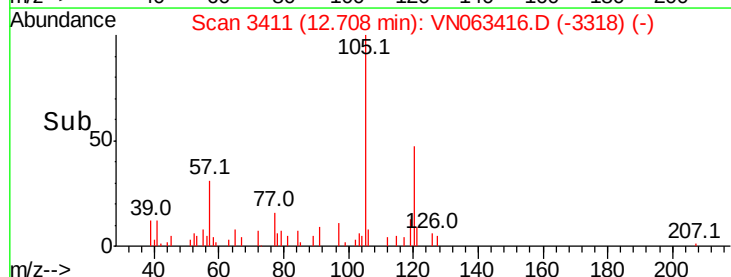
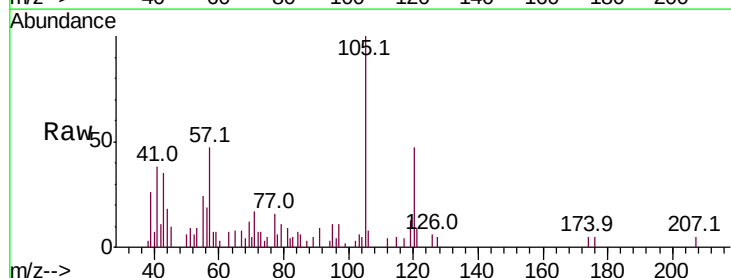
Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

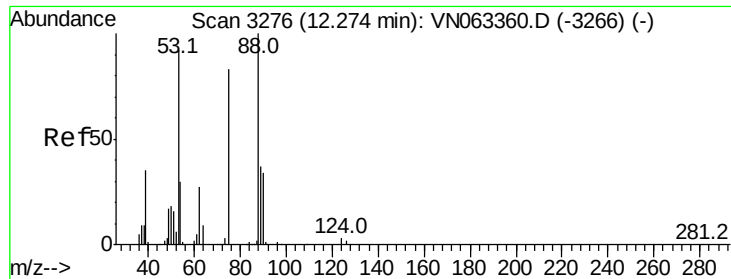
Tot Ion: 91 Resp: 5916
 Ion Ratio Lower Upper
 91 100
 126 12.0 15.8 47.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.700 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Tgt Ion: 105 Resp: 10007
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.8

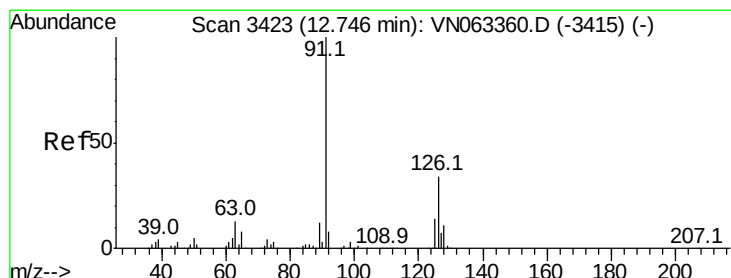
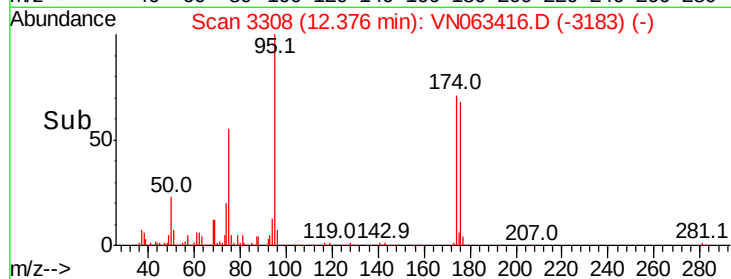
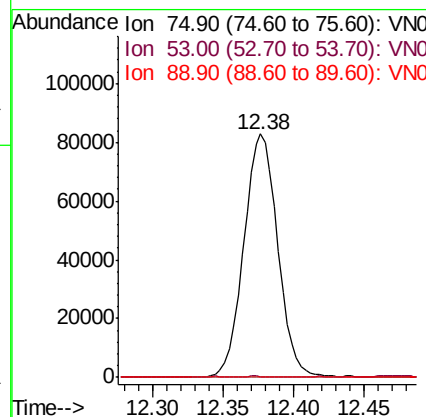
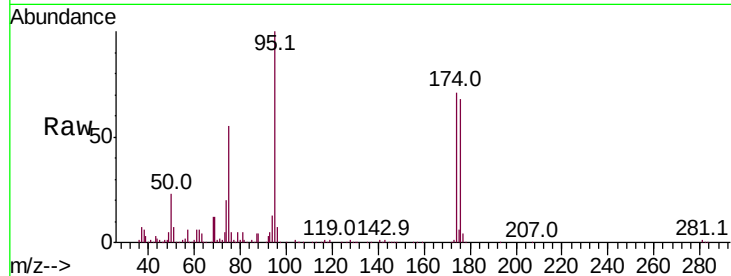




#81
trans-1,4-Dichloro-2-butene
Concen: 72.108 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

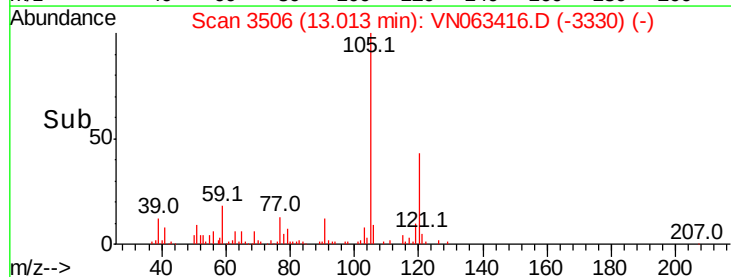
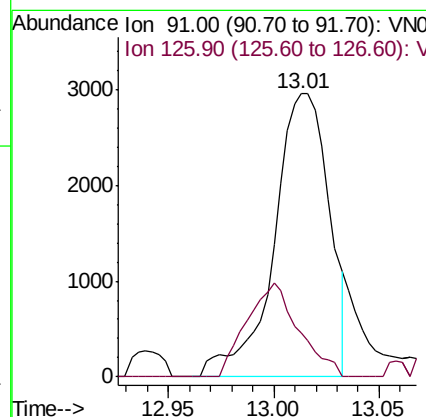
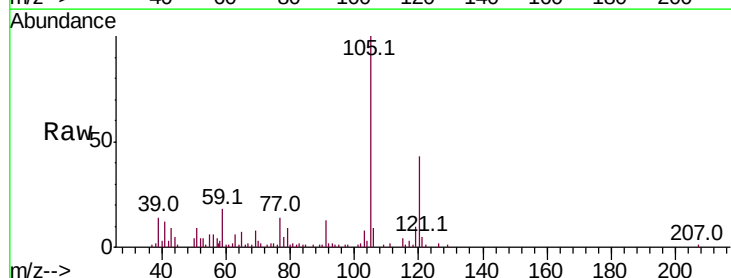
Instrument :
MSVOA_N
ClientSampleId :
200916080-01-VOA

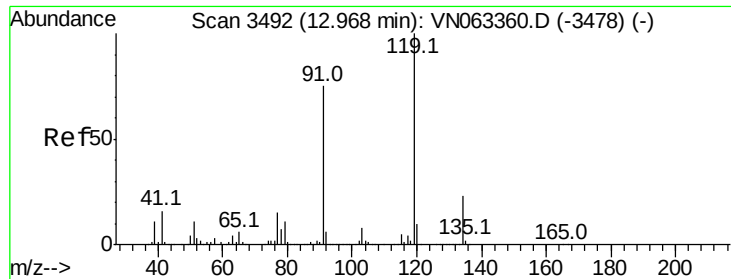
Tot Ion: 75 Resp: 139273
Ion Ratio Lower Upper
75 100
53 0.2 85.7 128.5#
89 0.0 38.0 57.0#



#82
4-Chlorotoluene
Concen: 0.426 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.27 min
Lab File: VN063416.D
Acq: 17 Sep 2020 14:02

Tgt Ion: 91 Resp: 5386
Ion Ratio Lower Upper
91 100
126 31.2 15.5 46.5





#83

tert-Butylbenzene

Concen: 0.378 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.05 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

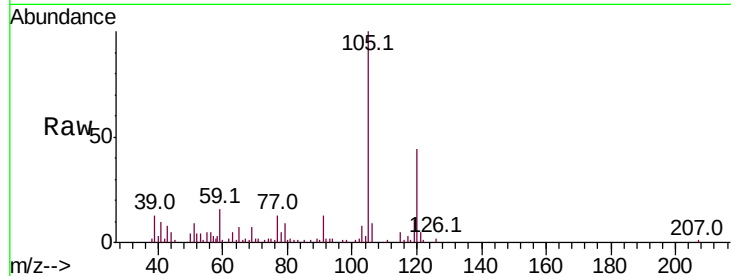
Tot Ion:119 Resp: 4461

Ion Ratio Lower Upper

119 100

91 139.4 36.3 108.9#

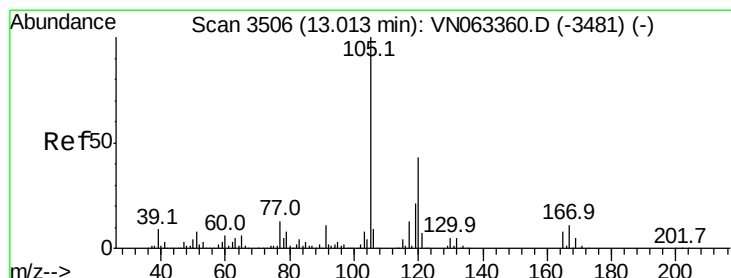
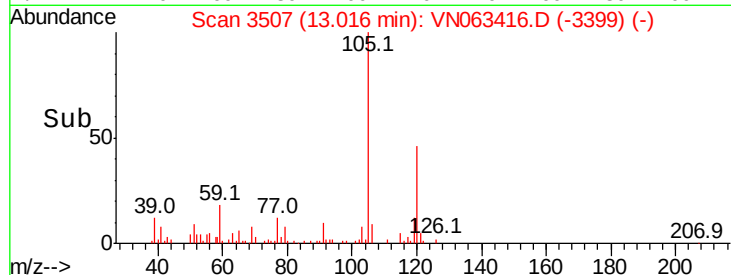
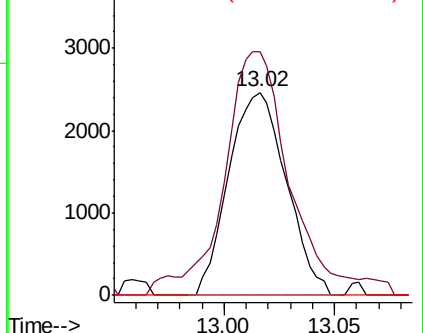
134 0.0 12.3 36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.588 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063416.D

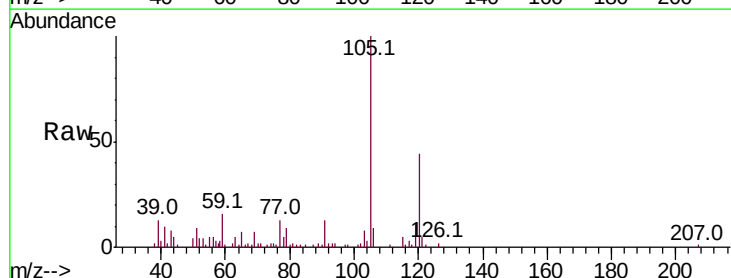
Acq: 17 Sep 2020 14:02

Tgt Ion:105 Resp: 37377

Ion Ratio Lower Upper

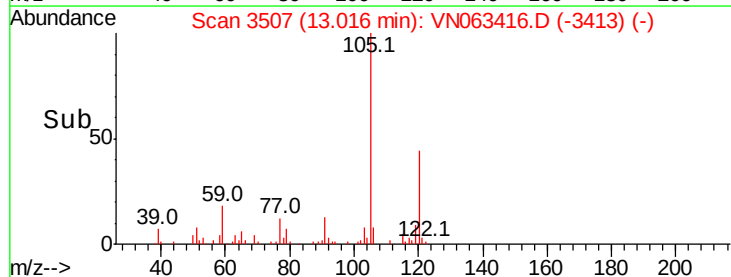
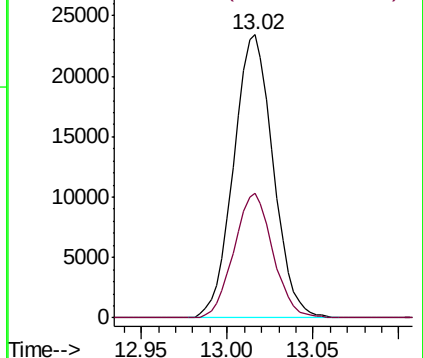
105 100

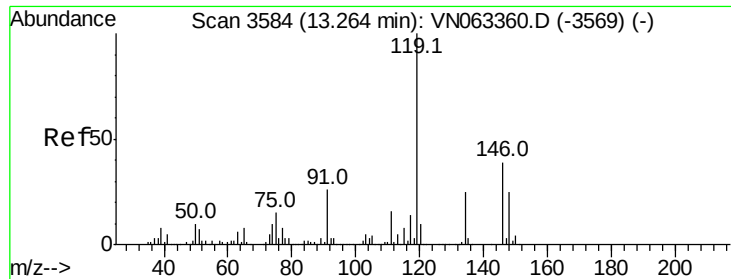
120 43.3 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

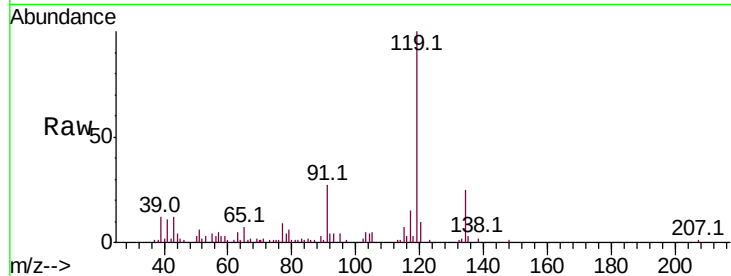




#86
 p-Isopropyltoluene
 Concen: 2.466 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 200916080-01-VOA

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	25.5	13.4	40.1

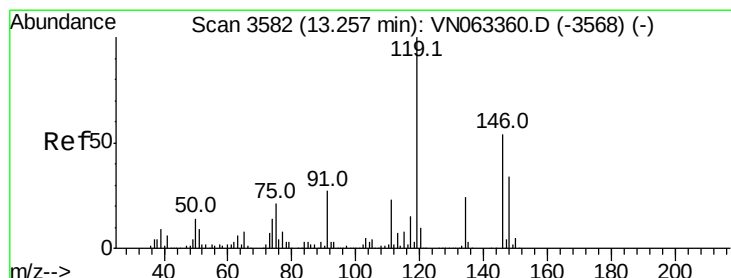
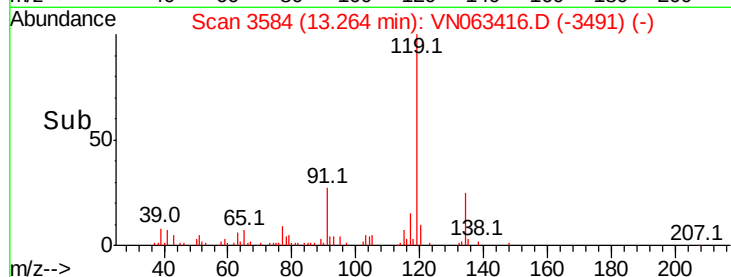
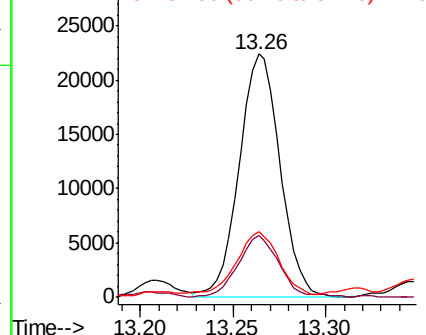


Abundance

Ion 119.00 (118.70 to 119.70): V

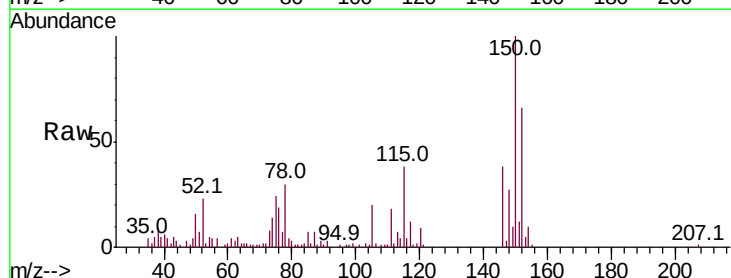
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
 1,3-Dichlorobenzene
 Concen: 3.696 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.08 min
 Lab File: VN063416.D
 Acq: 17 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	56.2	21.4	64.3
148	69.6	31.9	95.7

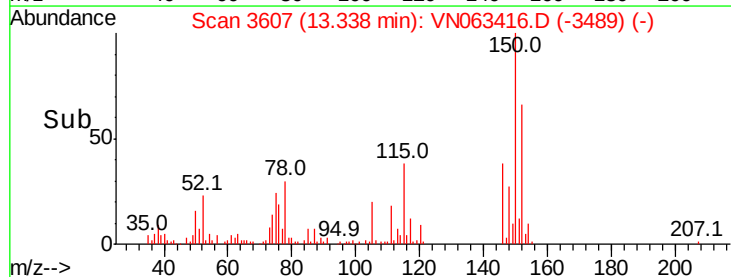
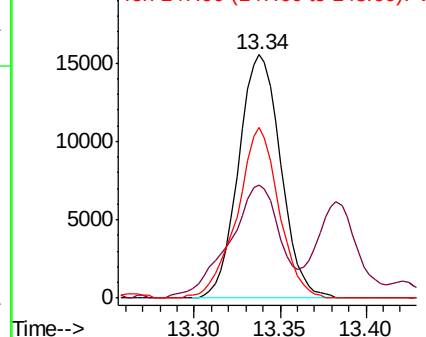


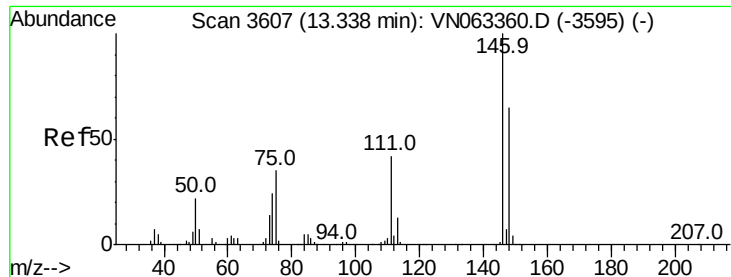
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 3.635 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

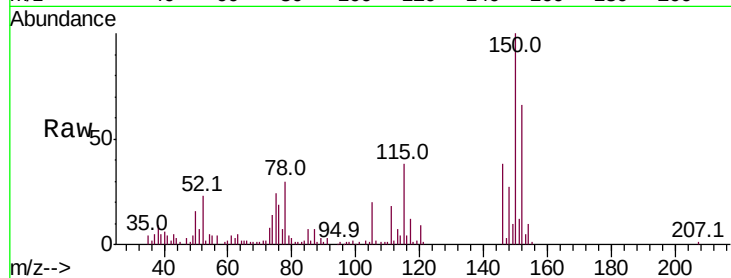
Tot Ion:146 Resp: 26419

Ion Ratio Lower Upper

146 100

111 56.2 21.2 63.6

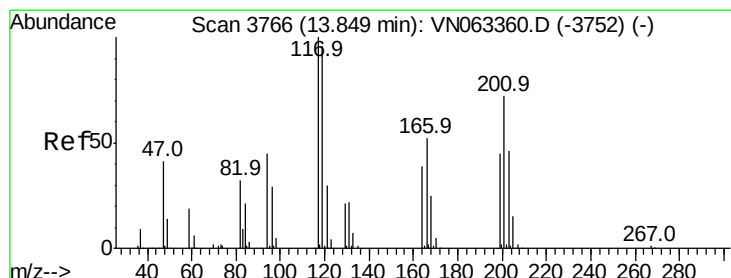
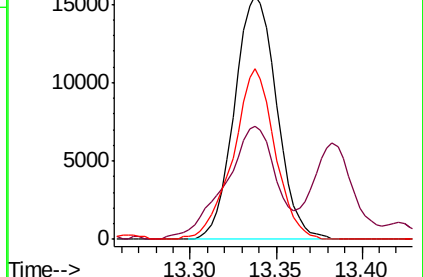
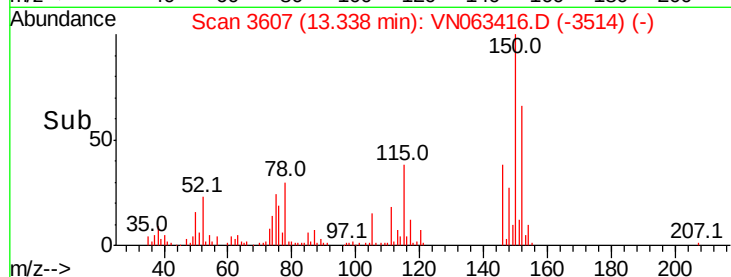
148 69.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.250 ug/l

RT: 13.86 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN063416.D

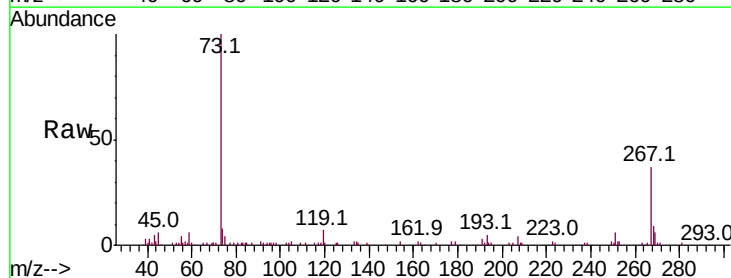
Acq: 17 Sep 2020 14:02

Tgt Ion:117 Resp: 663

Ion Ratio Lower Upper

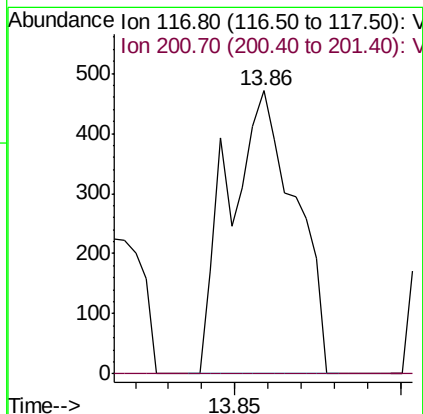
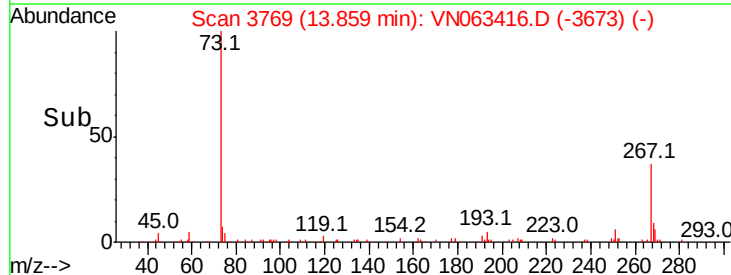
117 100

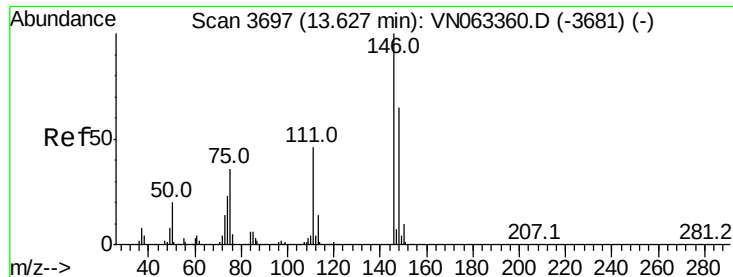
201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.246 ug/l

RT: 13.63 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

200916080-01-VOA

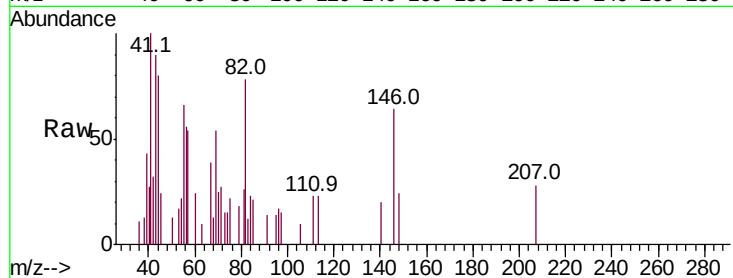
Tot Ion:146 Resp: 1724

Ion Ratio Lower Upper

146 100

111 43.3 22.4 67.2

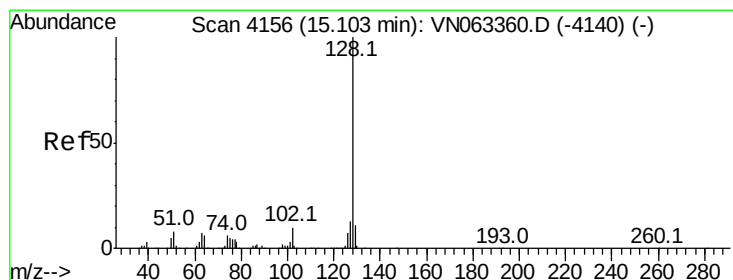
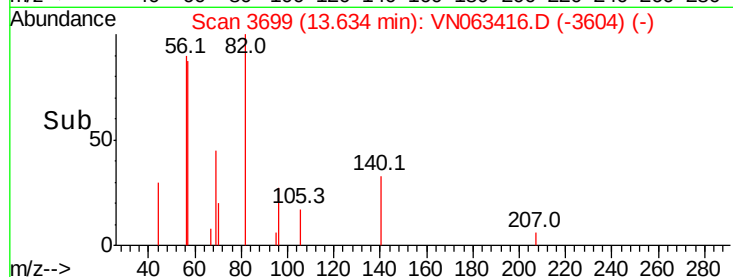
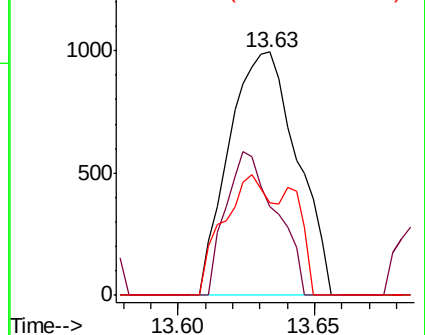
148 37.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 31.182 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063416.D

Acq: 17 Sep 2020 14:02

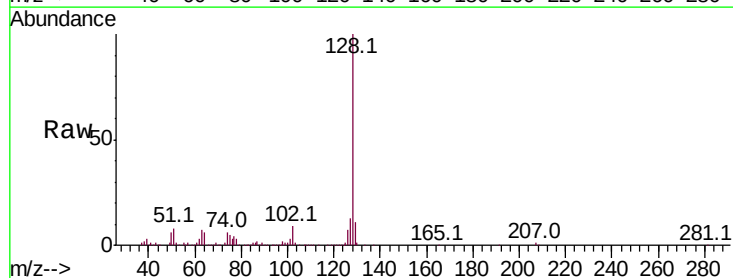
Tgt Ion:128 Resp: 426198

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.7 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

