

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063716.D
 Acq On : 28 Sep 2020 19:32
 Operator : JC/MD
 Sample : L4178-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Sep 29 00:42:10 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	227888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	250759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	176071	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	7.55	113	132915	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	10.06	98	568039	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.38	95	242398	62.14	ug/l	0.00
Spiked Amount			Recovery	=	124.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	1124	2.091	ug/l #	72
13) Acrolein	3.54	56	493	2.475	ug/l #	13
14) Allyl chloride	4.55	41	436643	85.837	ug/l #	66
15) Acrylonitrile	5.00	53	32626	23.867	ug/l #	34
16) Acetone	3.78	43	54490	43.706	ug/l #	84
17) Carbon Disulfide	4.01	76	10037	1.342	ug/l	99
18) Methyl Acetate	4.54	43	924893	292.227	ug/l #	54
20) Methylene Chloride	4.51	84	645	0.204	ug/l #	5
23) Vinyl Acetate	5.88	43	8612	1.011	ug/l #	91
24) 1,1-Dichloroethane	5.88	63	3379	0.597	ug/l #	84
25) 2-Butanone	6.79	43	20090	10.478	ug/l	93
28) Bromochloromethane	7.34	49	699	0.267	ug/l #	20
29) Tetrahydrofuran	7.17	42	975	0.745	ug/l #	36
30) Chloroform	7.34	83	2980	0.524	ug/l #	1
31) Cyclohexane	7.61	56	826773	154.316	ug/l	97
36) 1,1-Dichloropropene	7.62	75	21835	5.014	ug/l #	50
37) Ethyl Acetate	6.79	43	20090	4.701	ug/l #	70
38) Carbon Tetrachloride	7.63	117	25653	5.771	ug/l #	19
39) Methylcyclohexane	9.05	83	1498234	317.002	ug/l	99
40) Benzene	8.00	78	11280	0.907	ug/l	93
41) Methacrylonitrile	7.17	41	5807	3.021	ug/l #	100
43) Isopropyl Acetate	8.11	43	78717	10.300	ug/l #	64
45) 1,2-Dichloropropane	9.05	63	20437	6.036	ug/l #	1
46) Dibromomethane	9.13	93	1066	0.479	ug/l #	1
47) Bromodichloromethane	9.35	83	11717	2.535	ug/l #	31
48) Methyl methacrylate	9.11	41	45846	12.210	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	9571	2.237	ug/l	88
52) Toluene	10.13	92	73064	9.776	ug/l	100
55) 1,1,2-Trichloroethane	10.50	97	118336	39.861	ug/l #	20
56) Ethyl methacrylate	10.40	69	55093	11.888	ug/l #	4
58) 2-Chloroethyl Vinyl ether	9.64	63	6072	2.498	ug/l #	51
59) 2-Hexanone	10.69	43	30785	9.932	ug/l #	28
67) Ethyl Benzene	11.49	91	11682362	683.598	ug/l #	8
68) m/p-Xylenes	11.59	106	623765	101.234	ug/l	99

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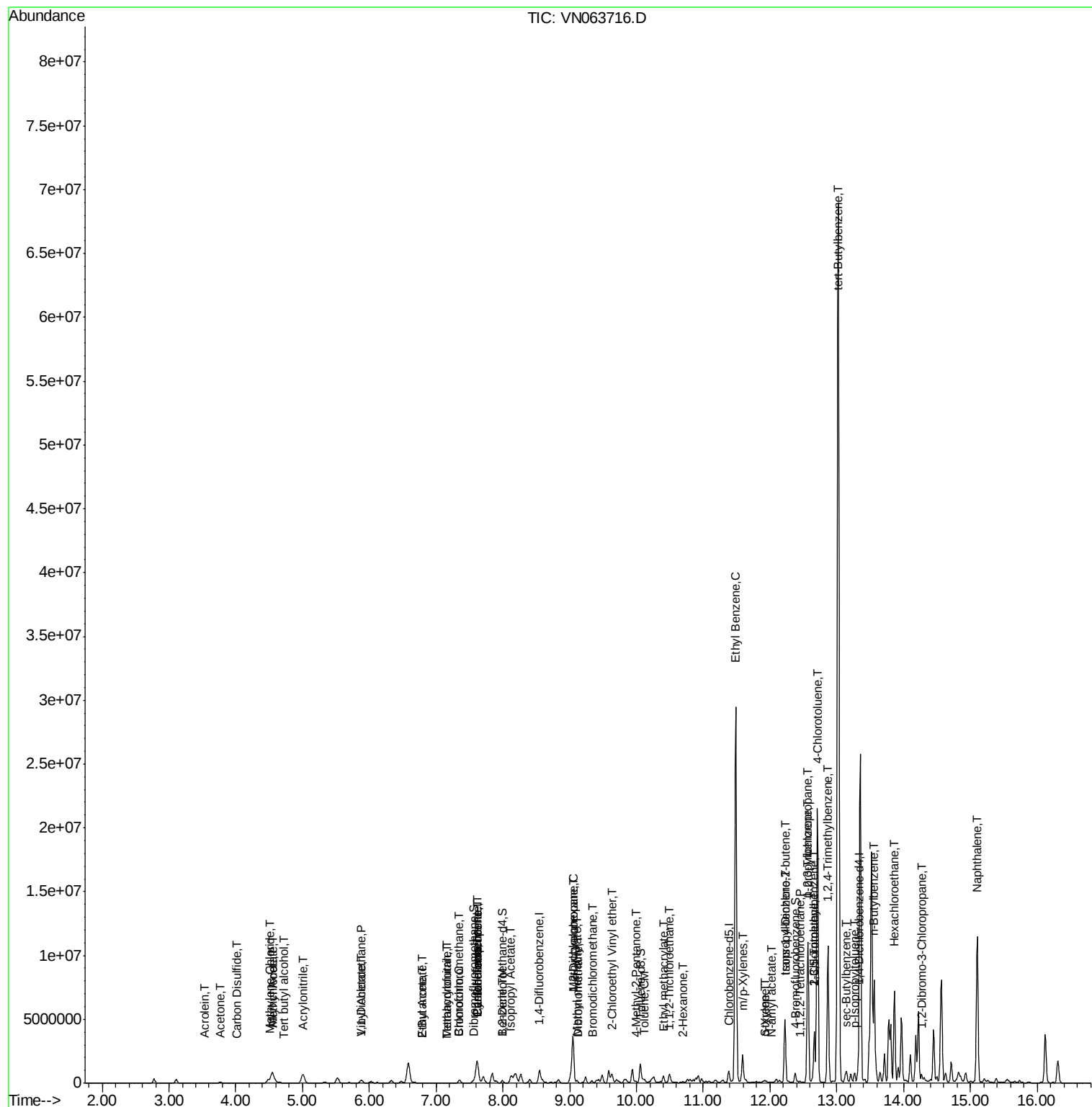
69) o-Xylene	11.92	106	33335	5.679	uq/l	98
70) Styrene	11.92	104	3038	0.309	uq/l #	1
73) Isopropylbenzene	12.23	105	3158065	157.161	uq/l	98
74) N-amyl acetate	12.02	43	16886	1.775	uq/l #	69
75) 1,1,2,2-Tetrachloroethane	12.44	83	3990	0.641	uq/l #	26
76) 1,2,3-Trichloropropane	12.57	75	73888	11.905	uq/l #	100
78) n-propylbenzene	12.57	91	7359180	314.437	uq/l	78
79) 2-Chlorotoluene	12.66	91	331511	23.629	uq/l #	43
80) 1,3,5-Trimethylbenzene	12.66	105	2620002	156.361	uq/l	73
81) trans-1,4-Dichloro-2-buten	12.22	75	43779	19.338	uq/l #	65
82) 4-Chlorotoluene	12.71	91	1741953	117.513	uq/l #	44
83) tert-Butylbenzene	13.02	119	6783361	490.498	uq/l #	61
84) 1,2,4-Trimethylbenzene	12.87	105	6114553	361.271	uq/l	90
85) sec-Butylbenzene	13.15	105	524918	28.356	uq/l #	69
86) p-Isopropyltoluene	13.27	119	388551	23.797	uq/l #	73
89) n-Butylbenzene	13.56	91	319504	21.230	uq/l #	1
90) Hexachloroethane	13.86	117	380594	122.416	uq/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2106	1.421	uq/l #	10
95) Naphthalene	15.10	128	8048753	502.410	uq/l #	87

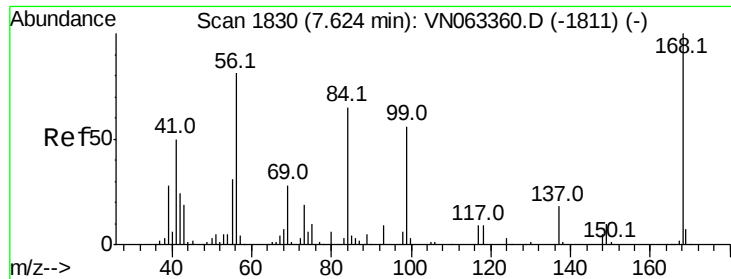
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

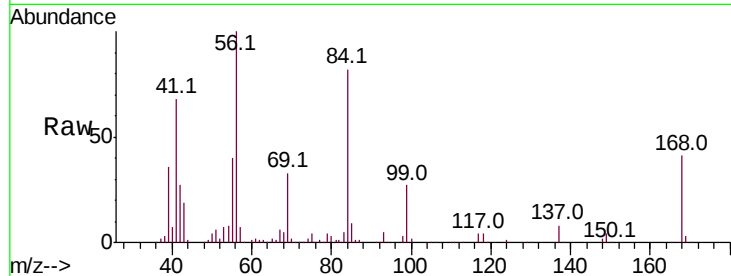
TP-4

Tot Ion:168 Resp: 227888

Ion Ratio Lower Upper

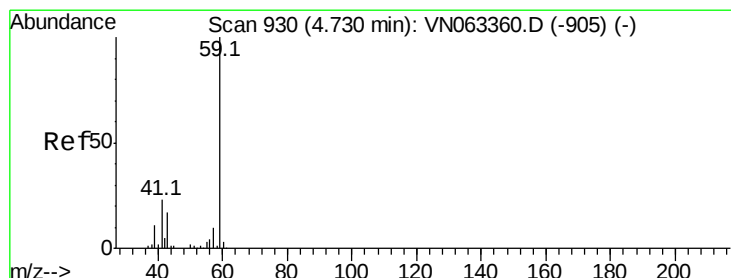
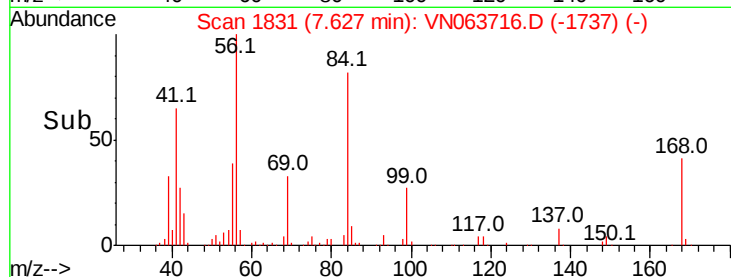
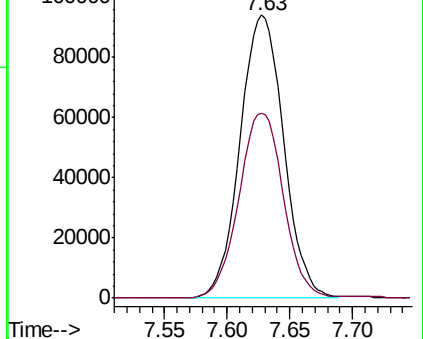
168 100

99 65.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063716.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN063716.D (-1737) (-)



#11

Tert butyl alcohol

Concen: 2.091 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063716.D

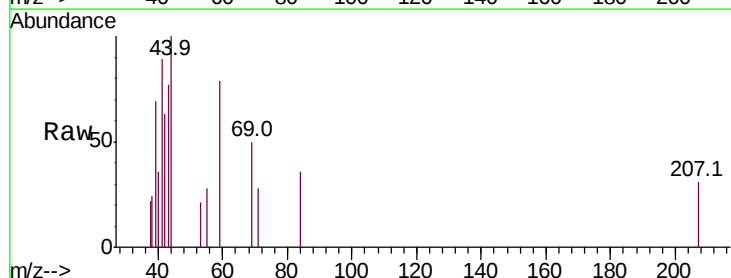
Acq: 28 Sep 2020 19:32

Tgt Ion: 59 Resp: 1124

Ion Ratio Lower Upper

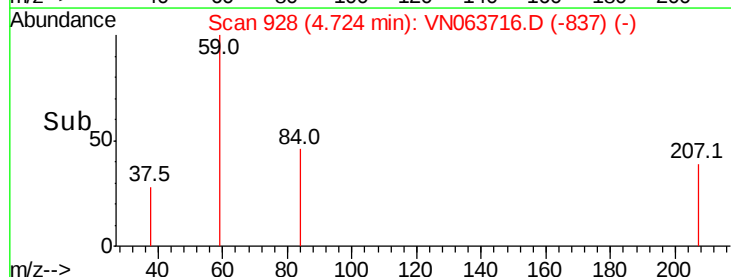
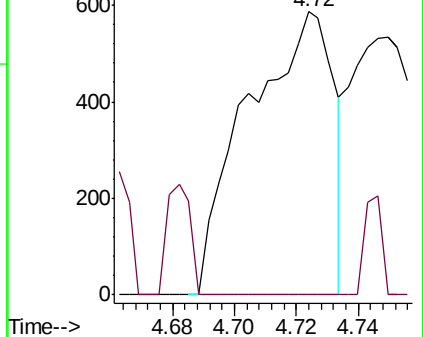
59 100

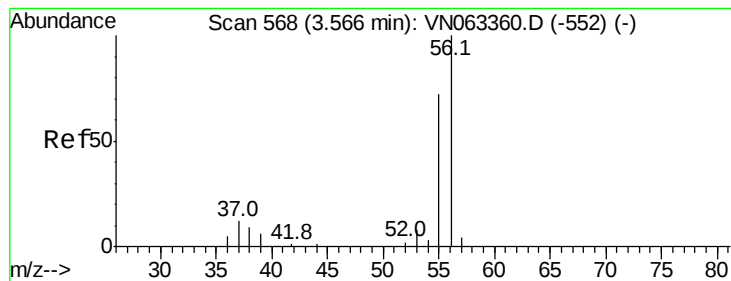
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN063716.D (-837) (-)

Ion 57.00 (56.70 to 57.70): VN063716.D (-837) (-)





#13

Acrolein

Concen: 2.475 ug/l

RT: 3.54 min Scan# 561

Delta R.T. -0.02 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

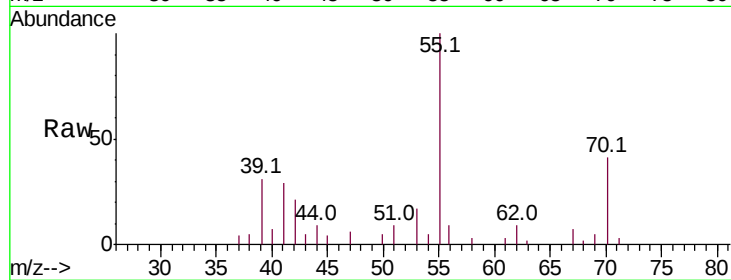
TP-4

Tot Ion: 56 Resp: 493

Ion Ratio Lower Upper

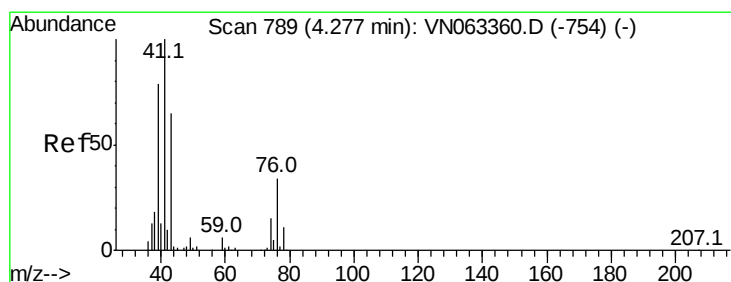
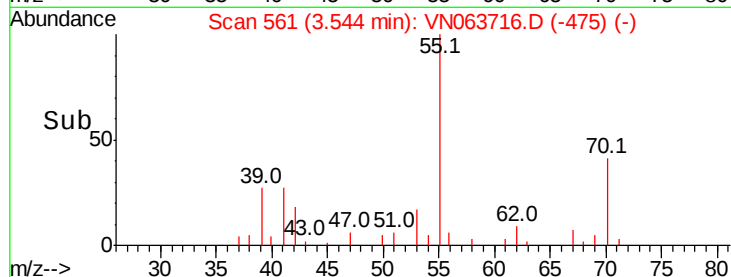
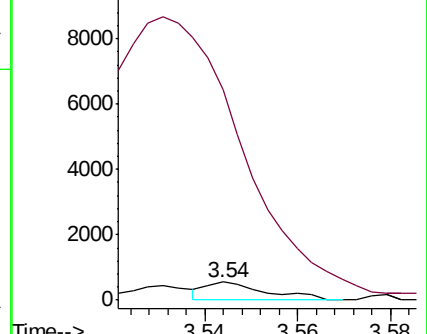
56 100

55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 85.837 ug/l

RT: 4.55 min Scan# 873

Delta R.T. 0.27 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

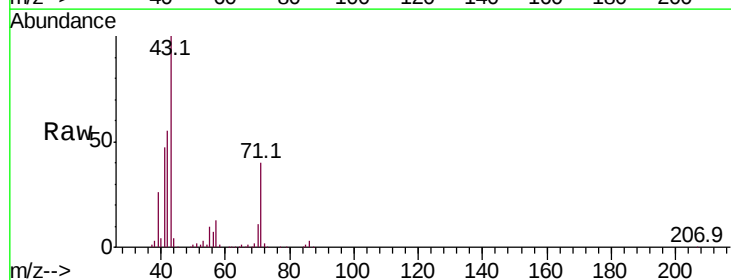
Tgt Ion: 41 Resp: 436643

Ion Ratio Lower Upper

41 100

39 54.2 59.3 88.9#

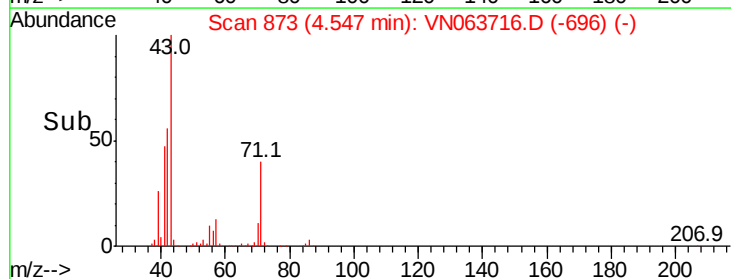
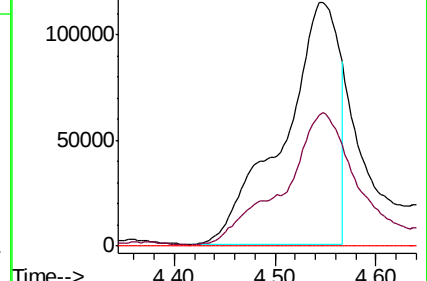
76 0.0 25.3 37.9#

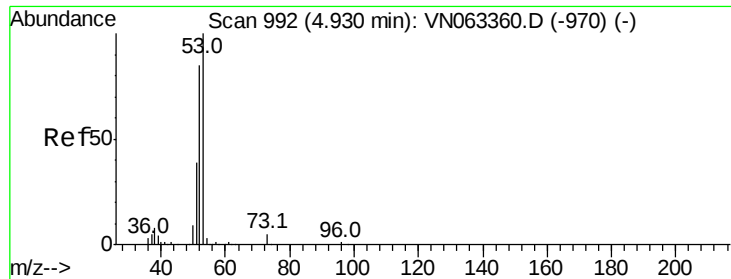


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 23.867 ug/l

RT: 5.00 min Scan# 1015

Delta R.T. 0.07 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

TP-4

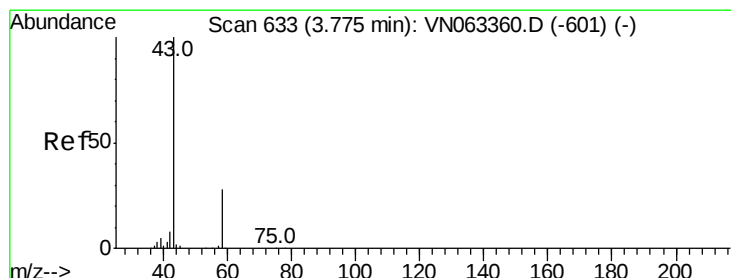
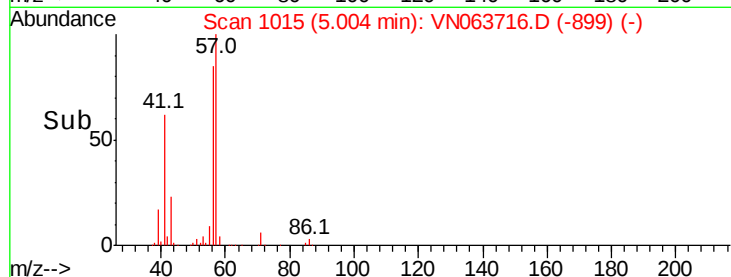
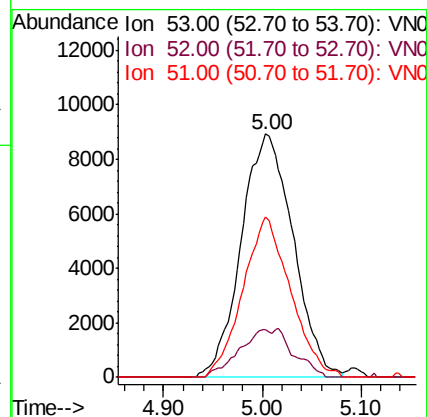
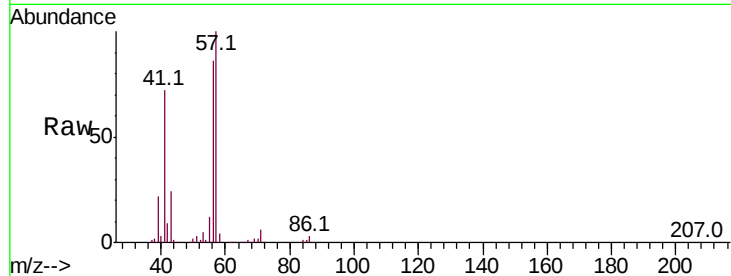
Tot Ion: 53 Resp: 32626

Ion Ratio Lower Upper

53 100

52 12.5 66.4 99.6#

51 60.4 30.2 45.4#



#16

Acetone

Concen: 43.706 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063716.D

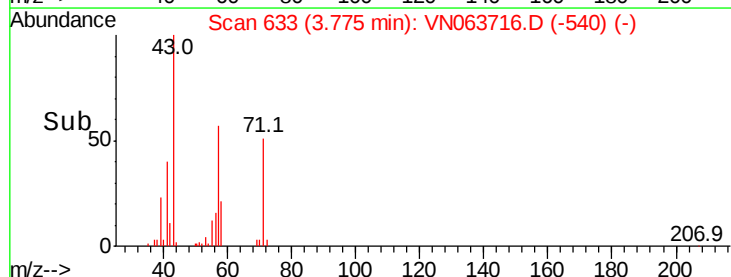
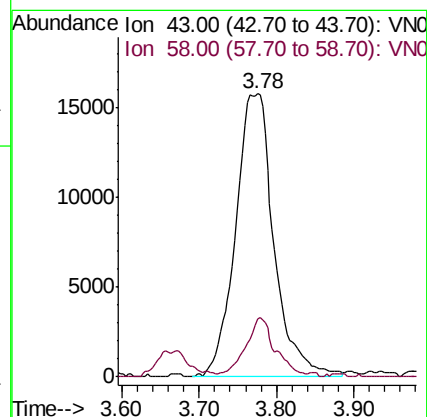
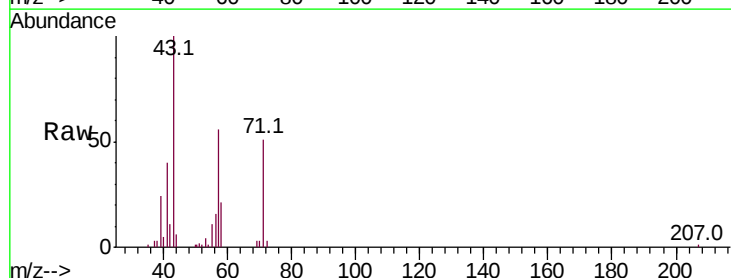
Acq: 28 Sep 2020 19:32

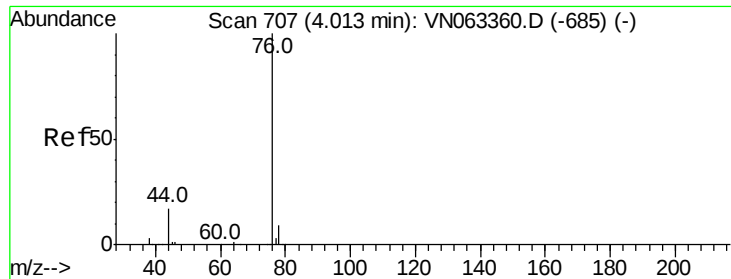
Tgt Ion: 43 Resp: 54490

Ion Ratio Lower Upper

43 100

58 19.4 22.3 33.5#





#17

Carbon Disulfide

Concen: 1.342 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

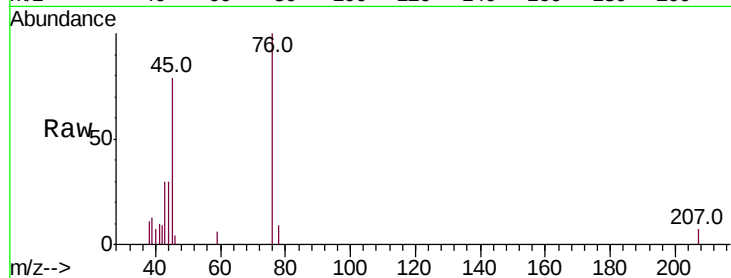
TP-4

Tot Ion: 76 Resp: 10037

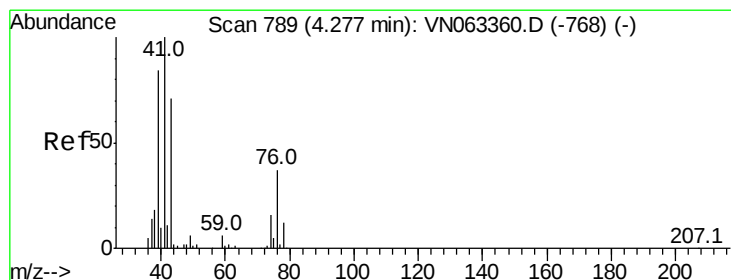
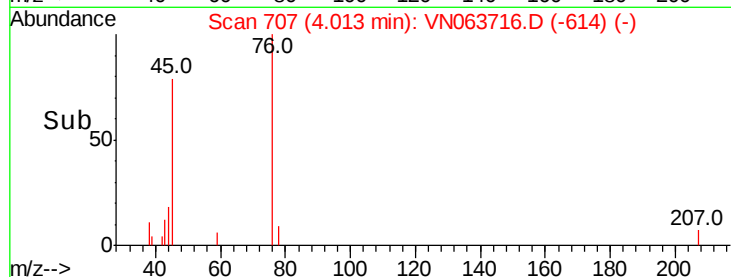
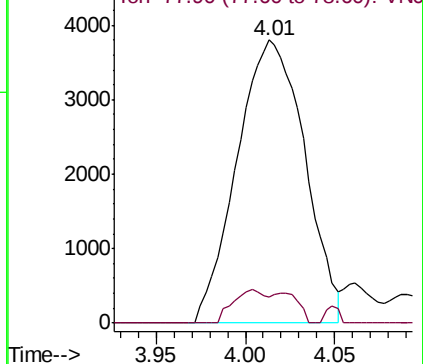
Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



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



#18

Methyl Acetate

Concen: 292.227 ug/l

RT: 4.54 min Scan# 872

Delta R.T. 0.27 min

Lab File: VN063716.D

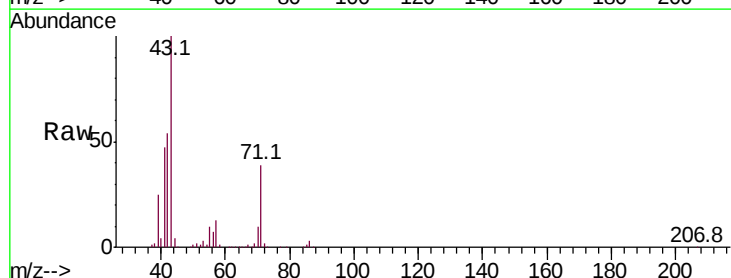
Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 924893

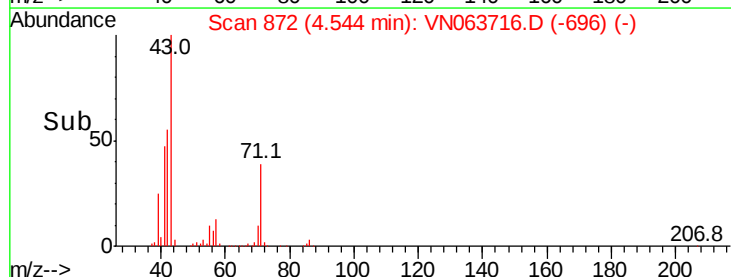
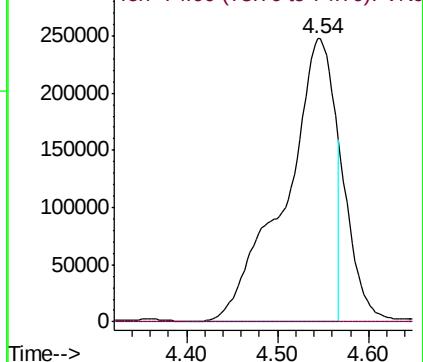
Ion Ratio Lower Upper

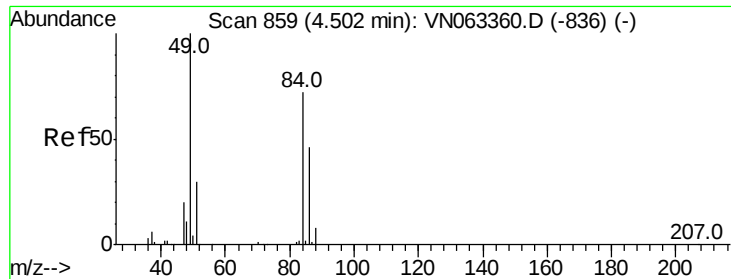
43 100

74 0.0 17.4 26.2#



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

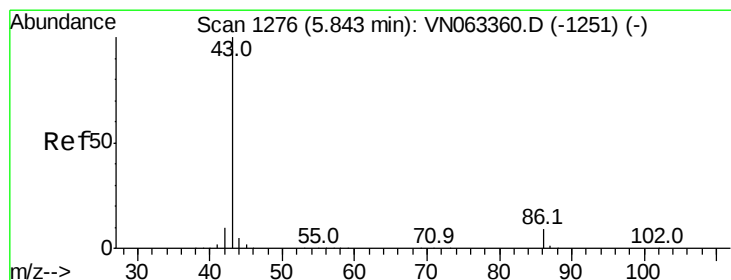
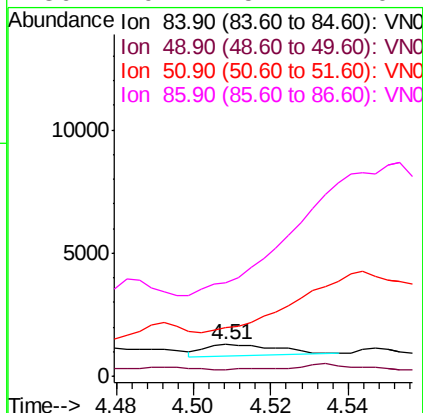
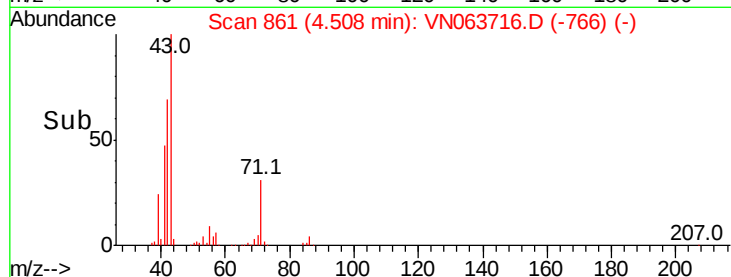
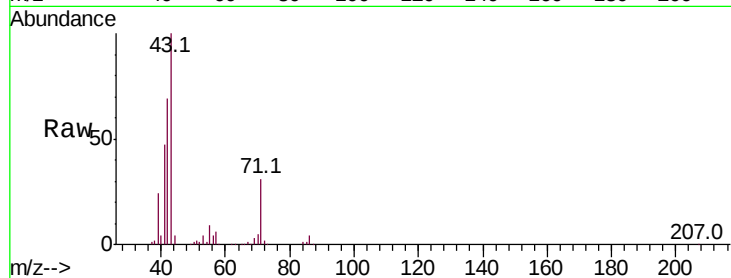




#20
Methvlene Chloride
Concen: 0.204 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

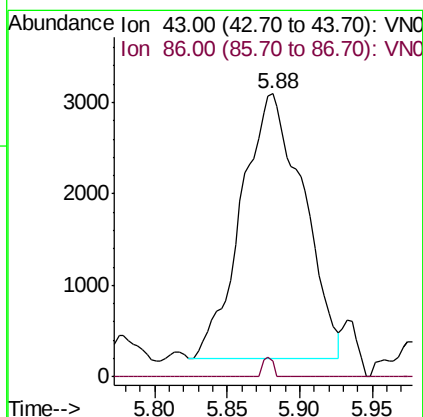
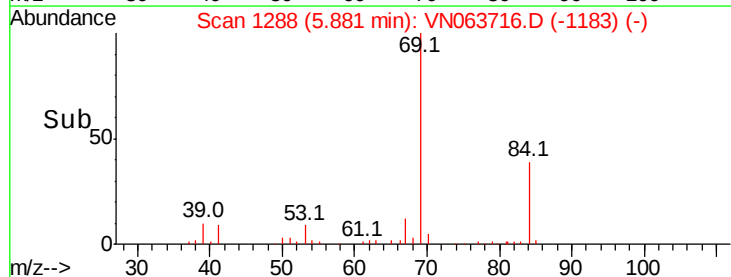
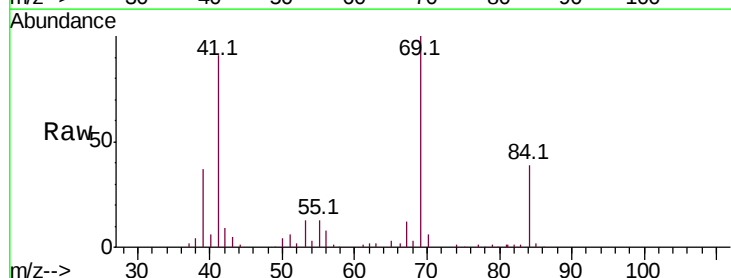
Instrument :
MSVOA_N
ClientSampled :
TP-4

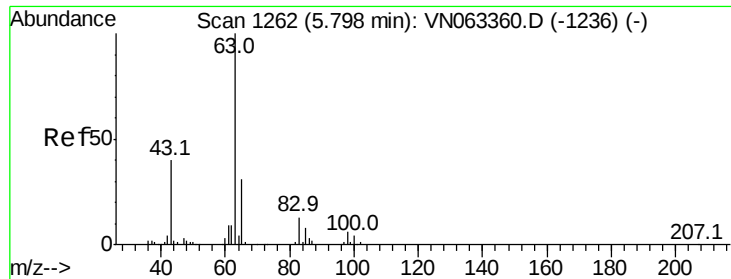
Tot Ion:	84	Resp:	645
Ion	Ratio	Lower	Upper
84	100		
49	0.0	110.7	166.1#
51	36.2	32.9	49.3
86	149.4	51.1	76.7#



#23
Vinyl Acetate
Concen: 1.011 ug/l
RT: 5.88 min Scan# 1288
Delta R.T. 0.04 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion:	43	Resp:	8612
Ion	Ratio	Lower	Upper
43	100		
86	5.8	7.1	10.7#





#24

1,1-Dichloroethane

Concen: 0.597 ug/l

RT: 5.88 min Scan# 1287

Delta R.T. 0.08 min

Lab File: VN063716.D

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ClientSampleId :

TP-4

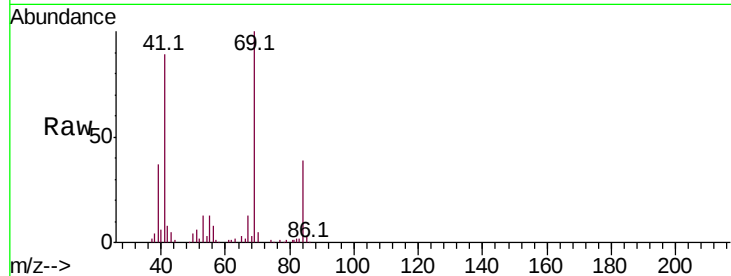
Tot Ion: 63 Resp: 3379

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

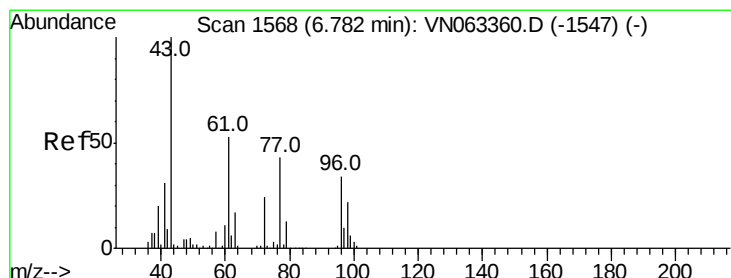
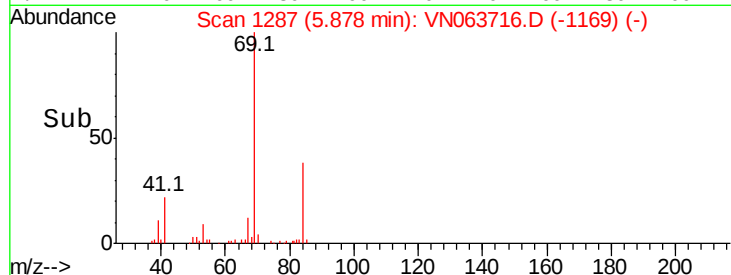
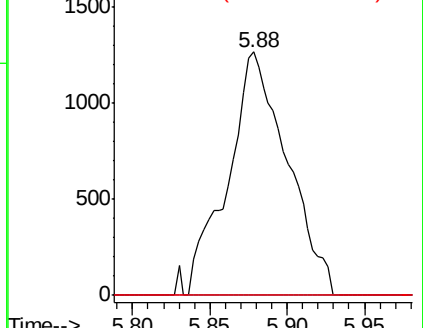
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 10.478 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063716.D

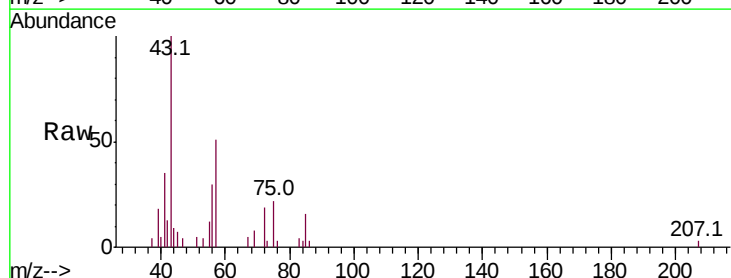
Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 20090

Ion Ratio Lower Upper

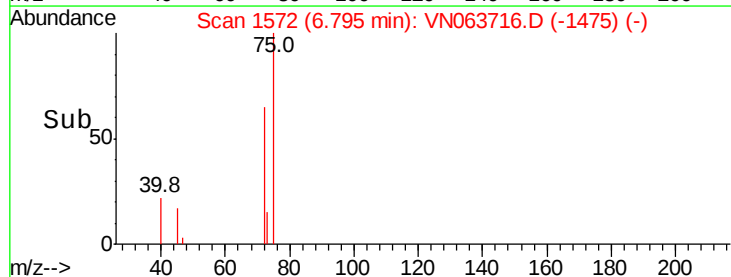
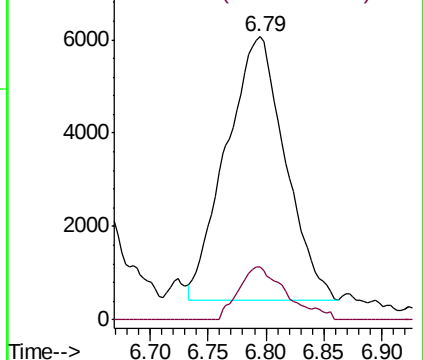
43 100

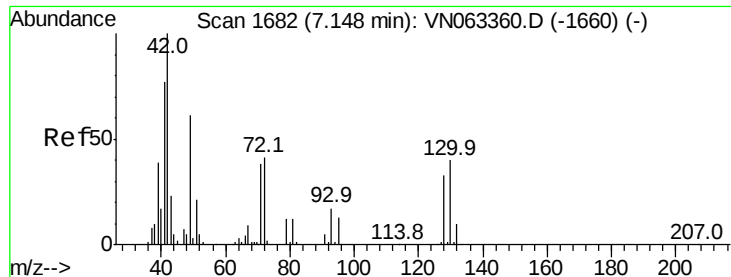
72 20.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 0.267 ug/l

RT: 7.34 min Scan# 1742

Delta R.T. 0.19 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

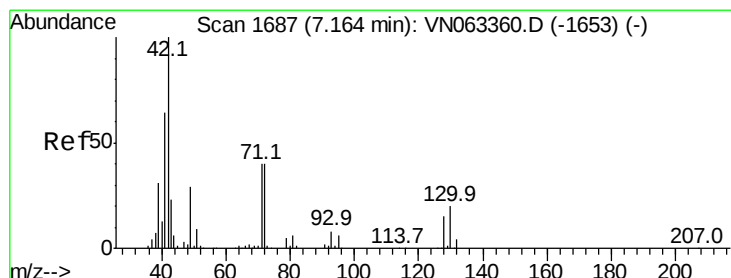
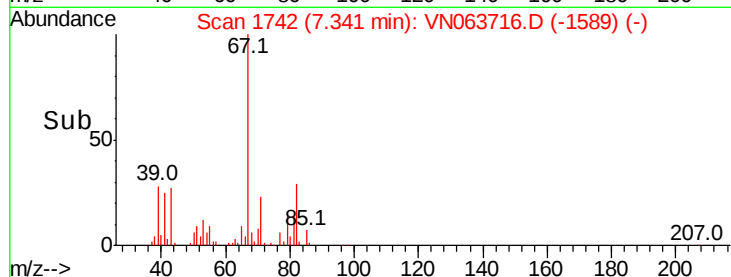
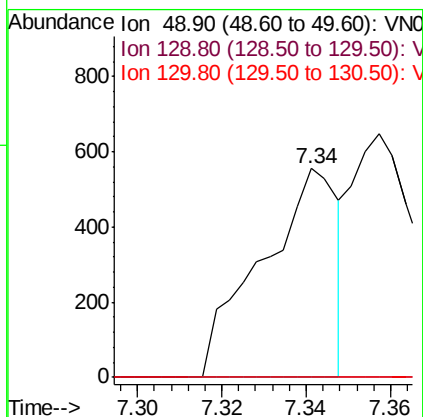
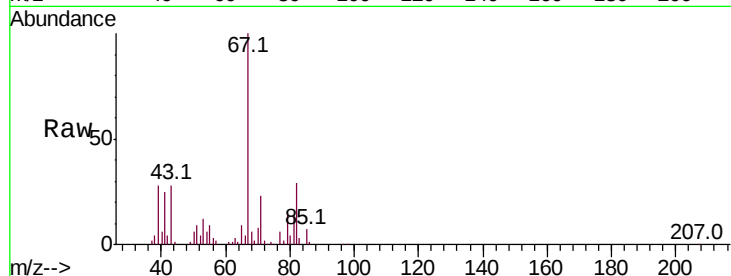
Tot Ion: 49 Resp: 699

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 52.2 78.2#



#29

Tetrahydrofuran

Concen: 0.745 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

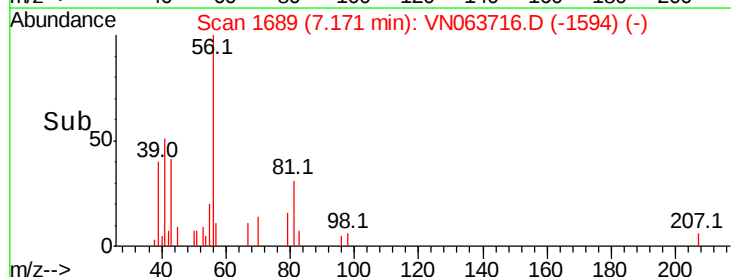
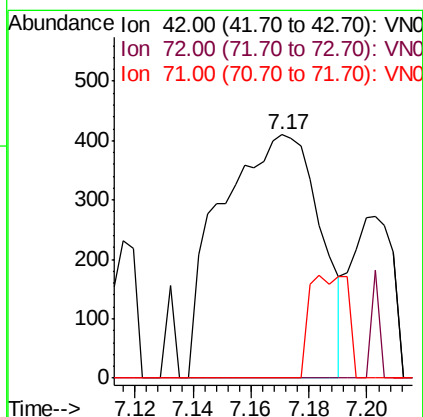
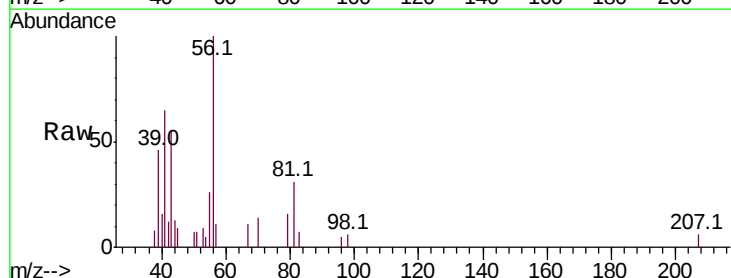
Tgt Ion: 42 Resp: 975

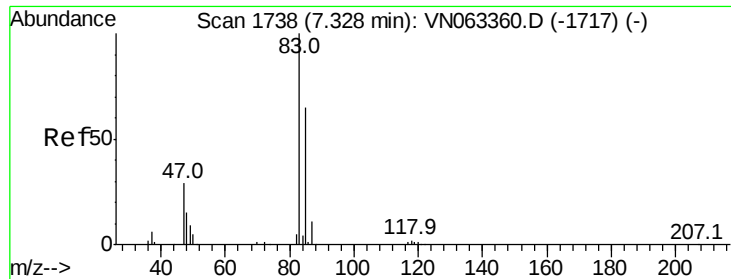
Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 0.0 31.2 46.8#

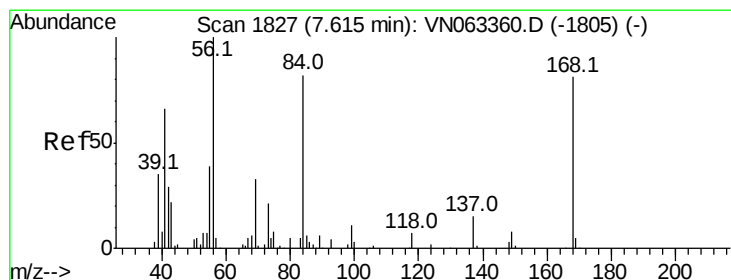
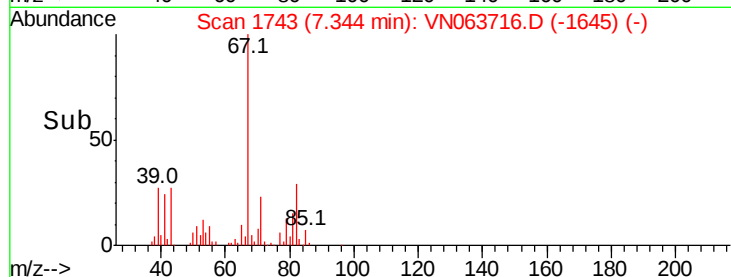
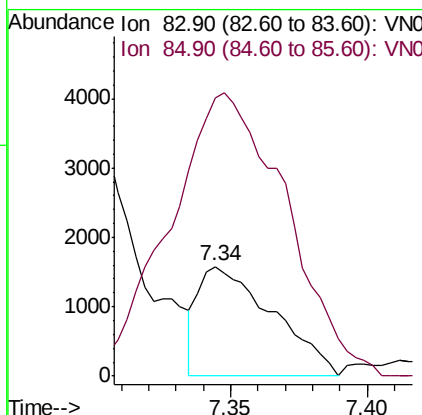
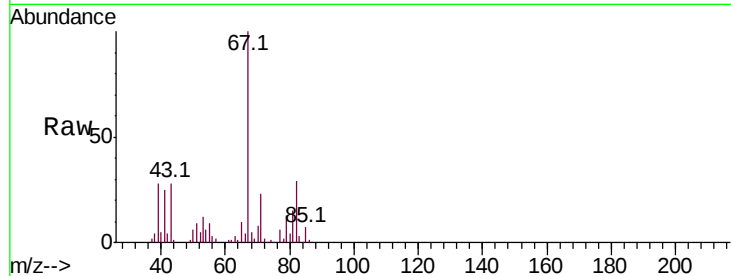




#30
Chloroform
Concen: 0.524 ug/l
RT: 7.34 min Scan# 1743
Delta R.T. 0.02 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

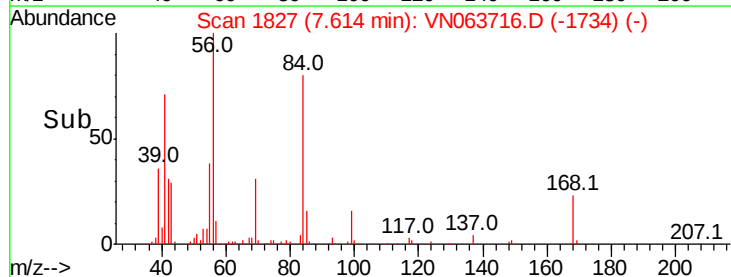
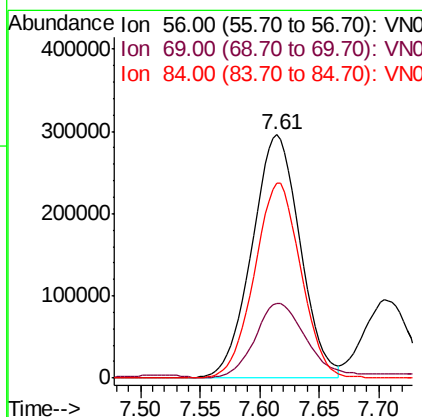
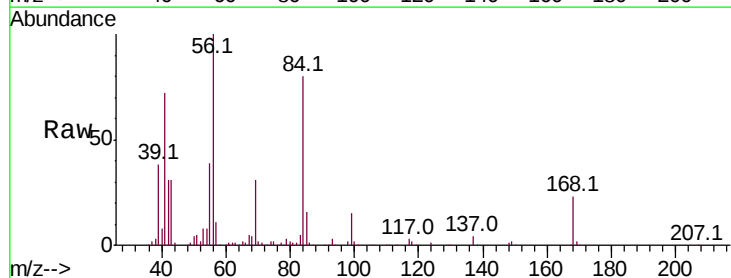
Instrument :
MSVOA_N
ClientSampled :
TP-4

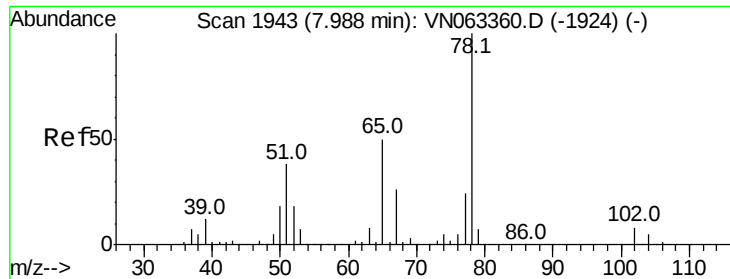
Tot Ion: 83 Resp: 2980
Ion Ratio Lower Upper
83 100
85 218.3 52.1 78.1#



#31
Cyclohexane
Concen: 154.316 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 56 Resp: 826773
Ion Ratio Lower Upper
56 100
69 30.2 26.1 39.1
84 80.0 65.4 98.2

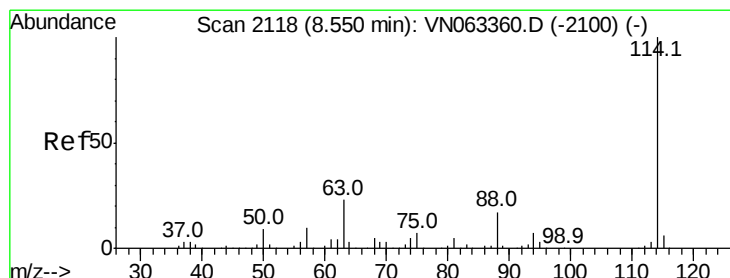
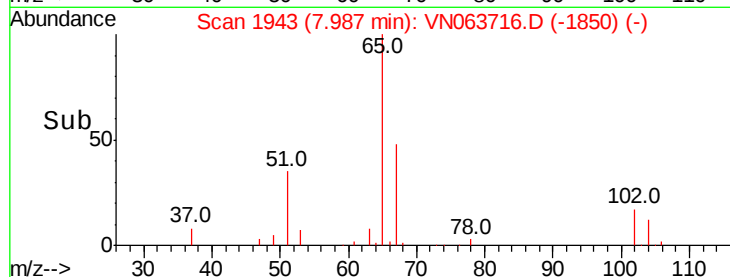
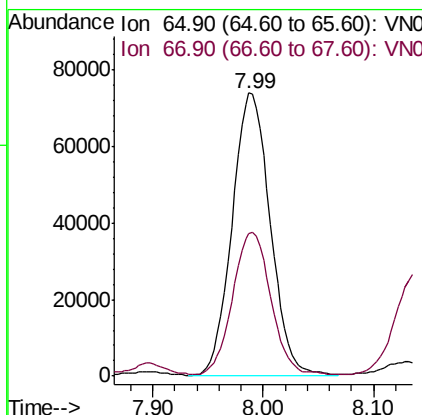
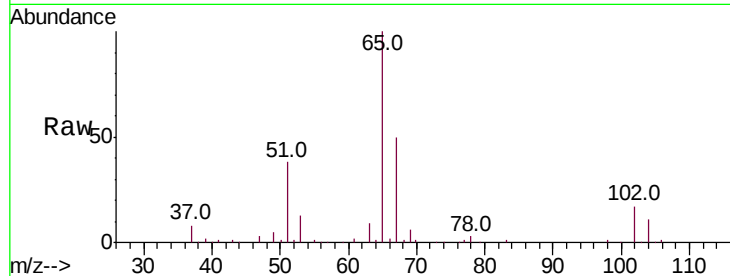




#33
 1,2-Dichloroethane-d4
 Concen: 45.388 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

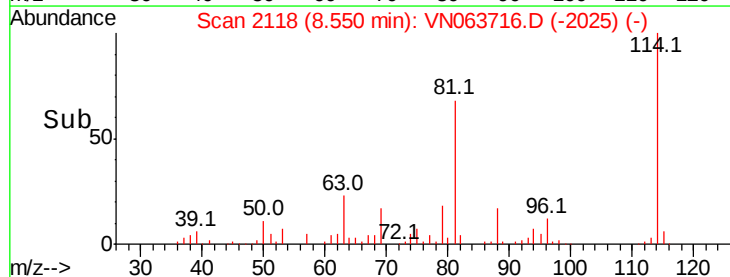
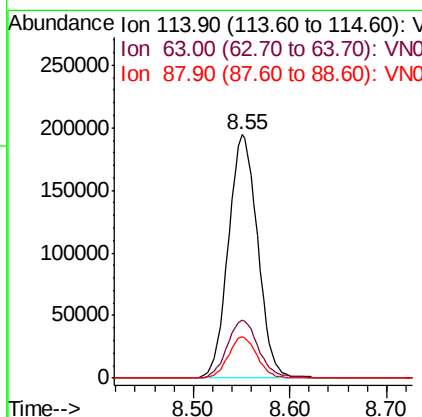
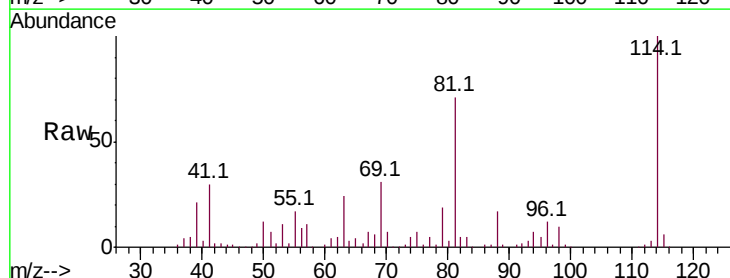
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

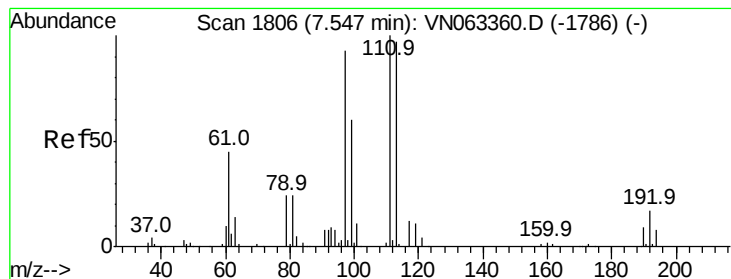
Tot Ion: 65 Resp: 176071
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Tgt Ion: 114 Resp: 408755
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.4
 88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.971 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

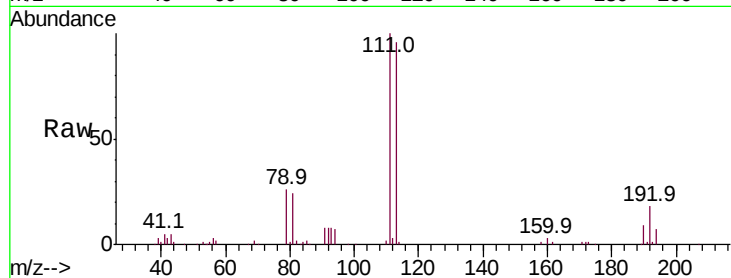
Tot Ion:113 Resp: 132915

Ion Ratio Lower Upper

113 100

111 101.0 82.9 124.3

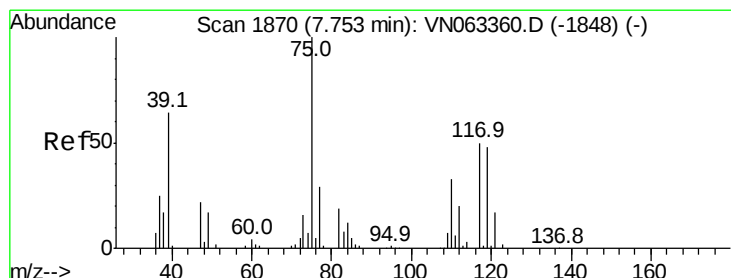
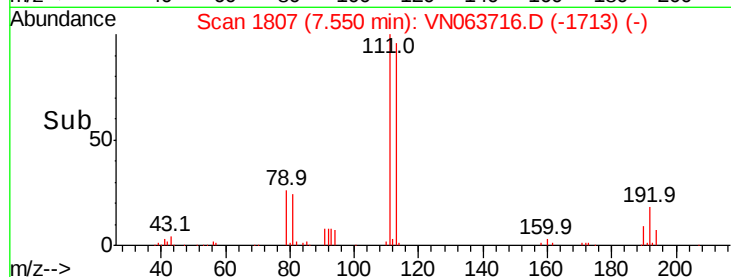
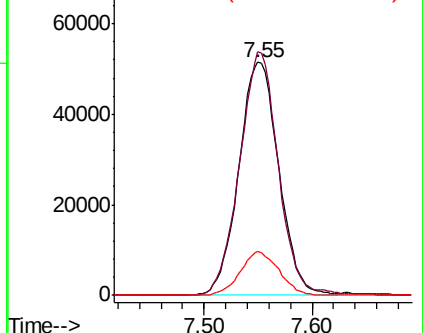
192 17.9 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.014 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

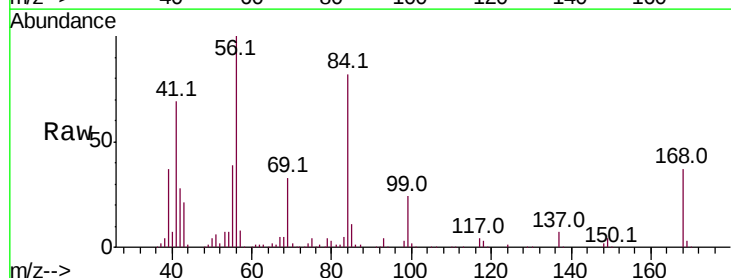
Tgt Ion: 75 Resp: 21835

Ion Ratio Lower Upper

75 100

110 8.4 16.5 49.5#

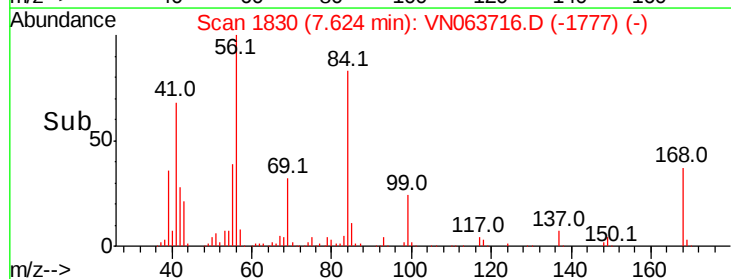
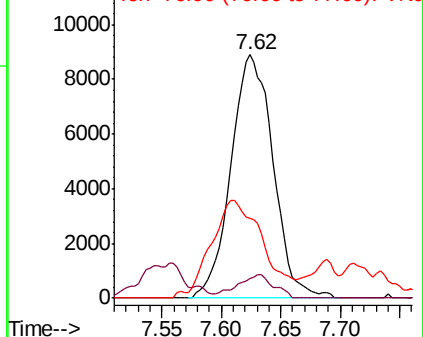
77 0.0 24.6 36.8#

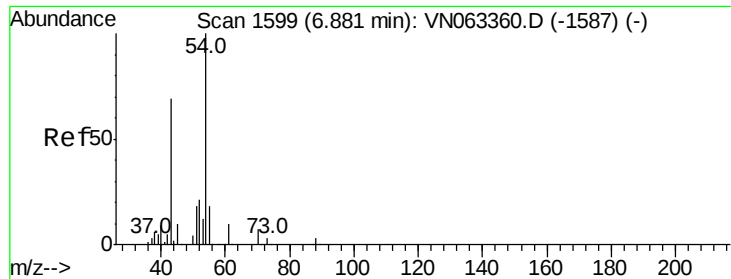


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 4.701 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. -0.09 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

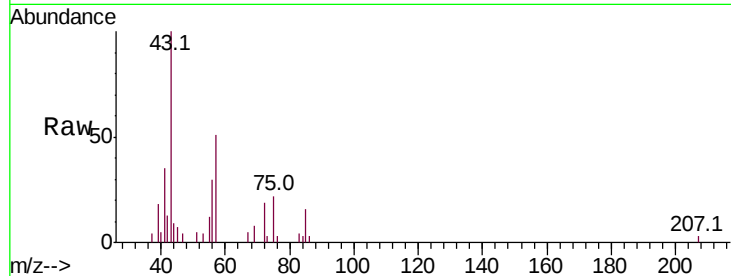
Tot Ion: 43 Resp: 20090

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.2 10.8#



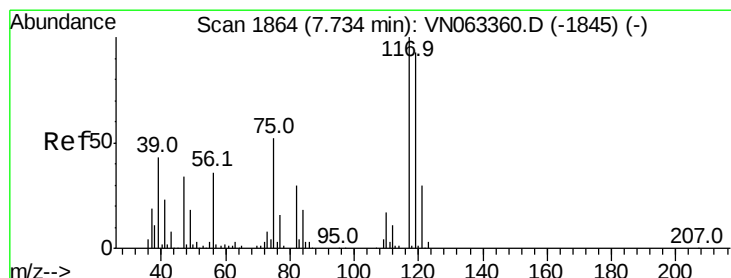
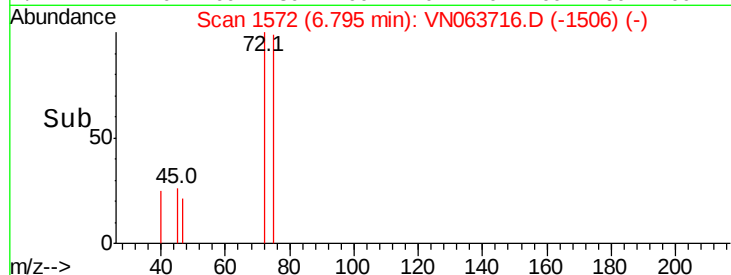
Abundance Ion 43.00 (42.70 to 43.70): VN063716.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063716.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063716.D (-1506) (-)

6.79

Time-->



#38

Carbon Tetrachloride

Concen: 5.771 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

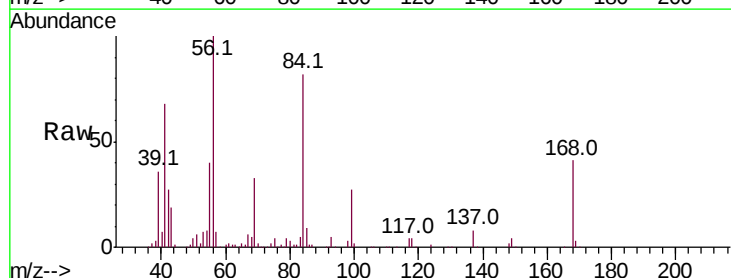
Tgt Ion: 117 Resp: 25653

Ion Ratio Lower Upper

117 100

119 6.8 74.5 111.7#

121 0.0 24.1 36.1#



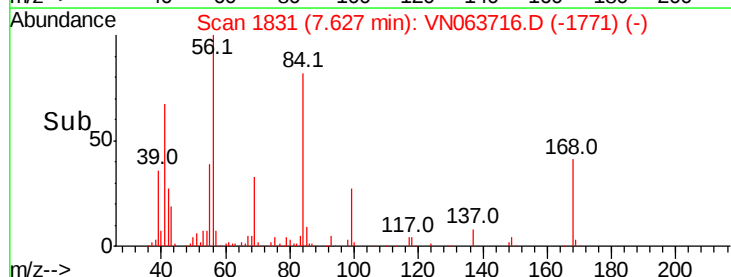
Abundance Ion 116.80 (116.50 to 117.50): VN063716.D (-1771) (-)

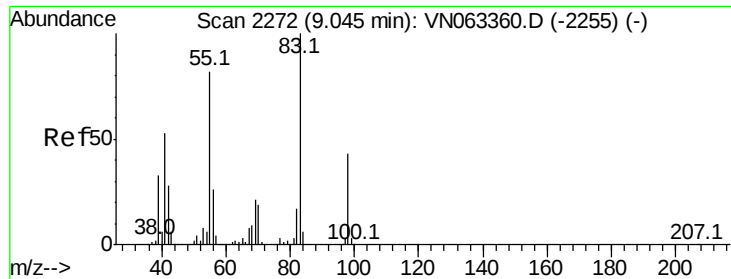
Ion 118.80 (118.50 to 119.50): VN063716.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063716.D (-1771) (-)

7.63

Time-->

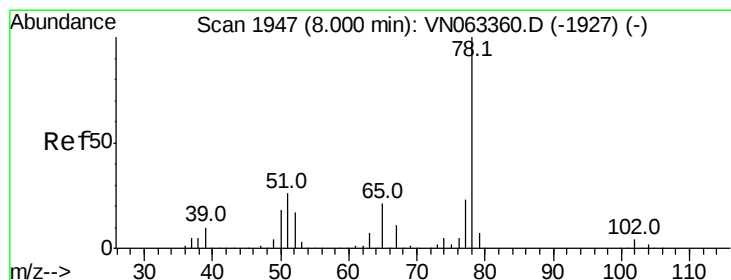
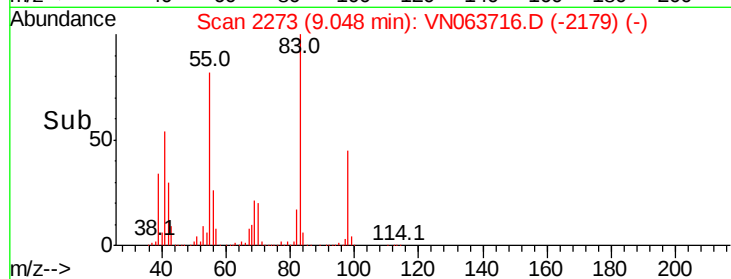
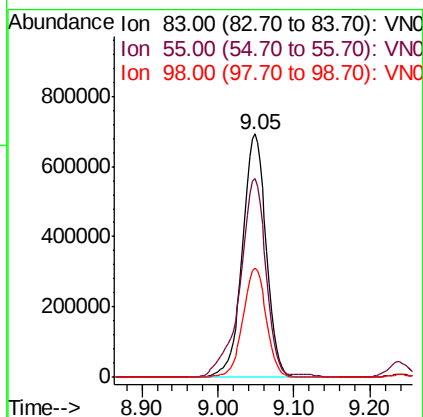
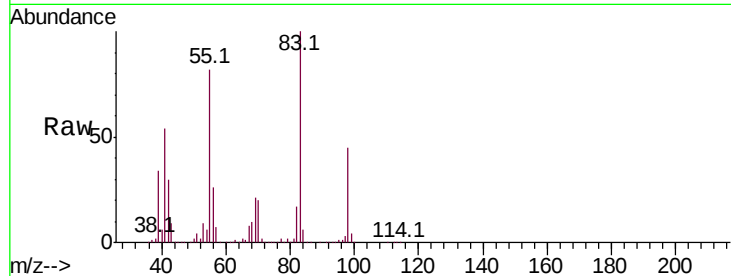




#39
Methvlcvclohexane
Concen: 317.002 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

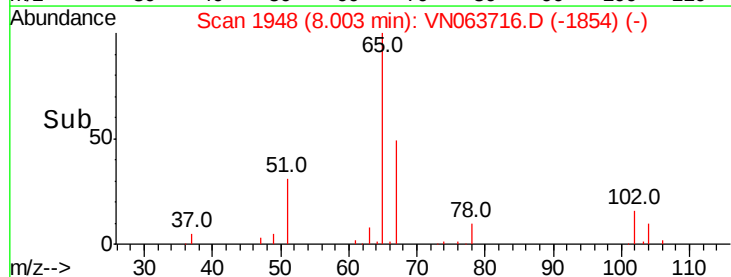
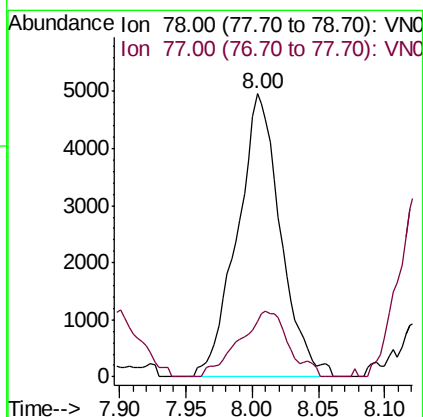
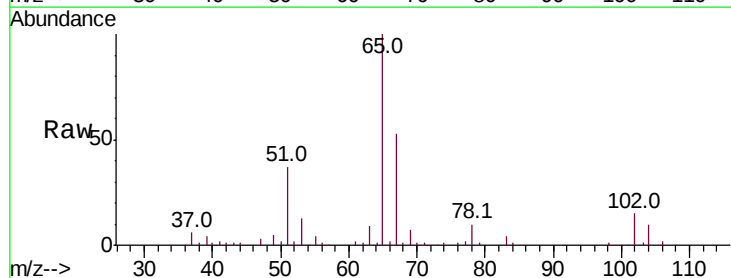
Instrument :
MSVOA_N
ClientSampled :
TP-4

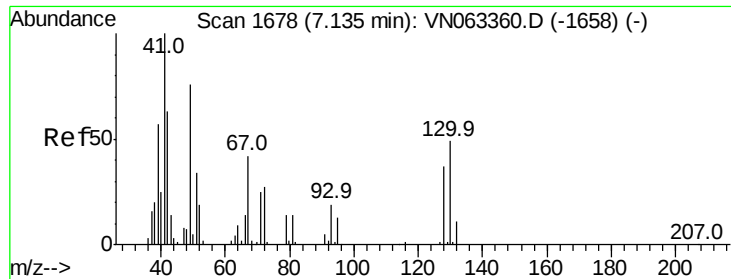
Tot Ion: 83 Resp: 1498234
Ion Ratio Lower Upper
83 100
55 81.9 65.5 98.3
98 45.1 34.2 51.4



#40
Benzene
Concen: 0.907 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 78 Resp: 11280
Ion Ratio Lower Upper
78 100
77 19.5 18.3 27.5

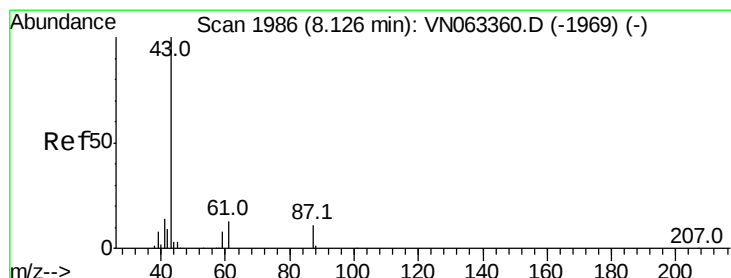
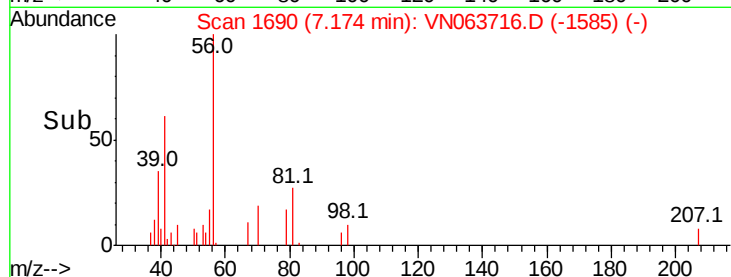
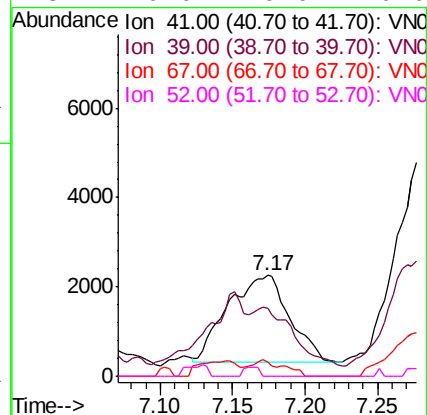
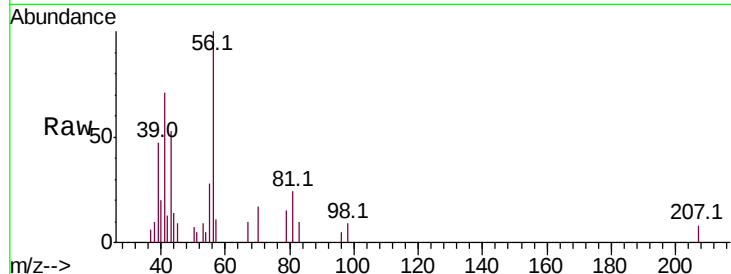




#41
Methacrylonitrile
Concen: 3.021 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

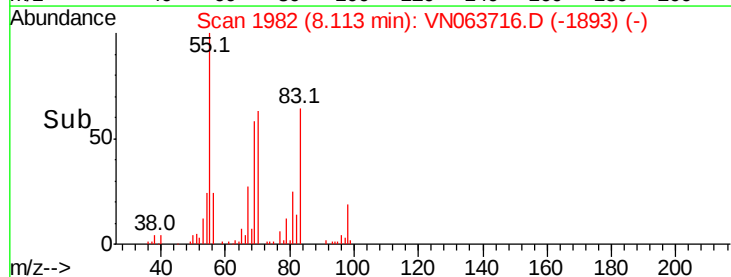
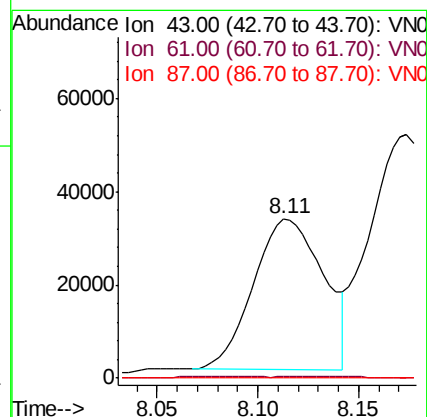
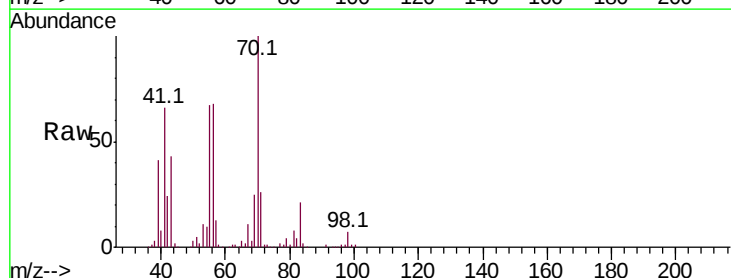
Instrument :
MSVOA_N
ClientSampled :
TP-4

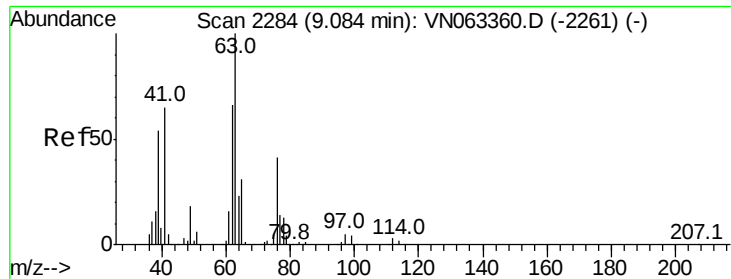
Tot Ion:	41	Resp:	5807
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.300 ug/l
RT: 8.11 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion:	43	Resp:	78717
Ion	Ratio	Lower	Upper
43	100		
61	0.2	14.2	21.2#
87	0.0	9.0	13.6#





#45

1,2-Dichloropropane

Concen: 6.036 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

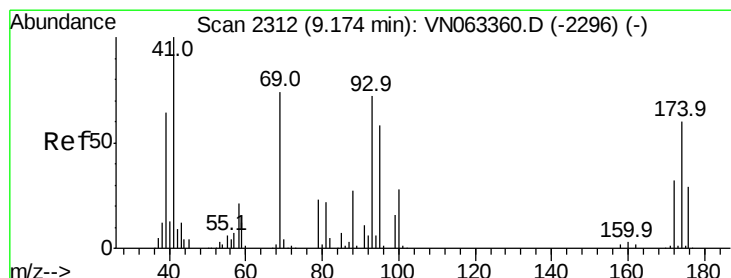
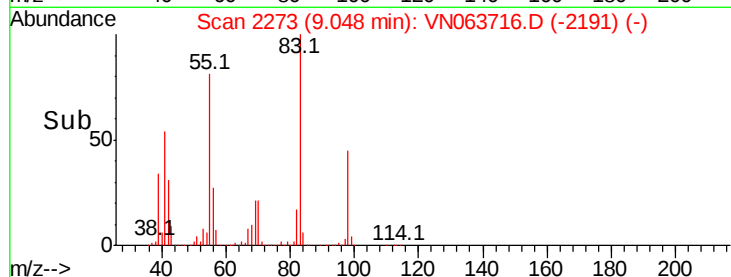
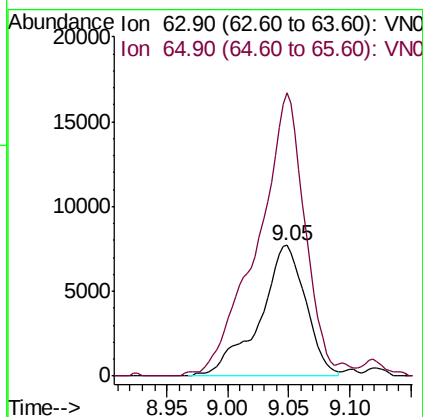
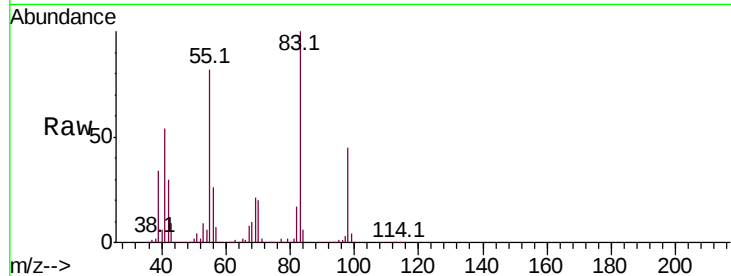
TP-4

Tot Ion: 63 Resp: 20437

Ion Ratio Lower Upper

63 100

65 212.7 25.0 37.6#



#46

Dibromomethane

Concen: 0.479 ug/l

RT: 9.13 min Scan# 2299

Delta R.T. -0.04 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

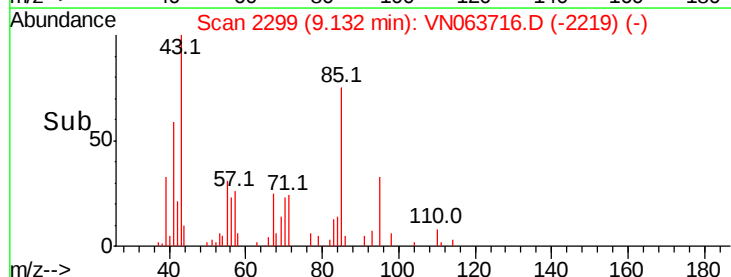
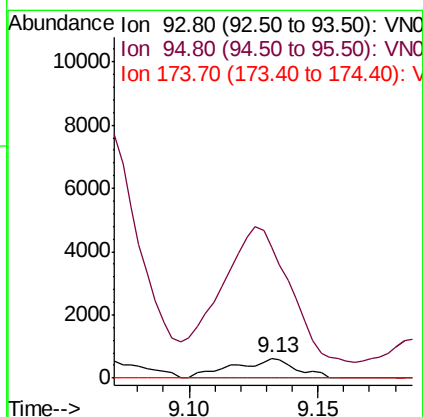
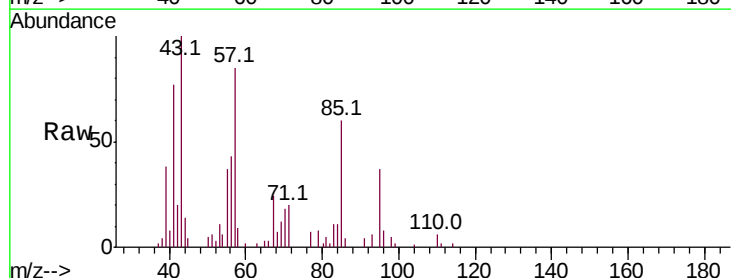
Tgt Ion: 93 Resp: 1066

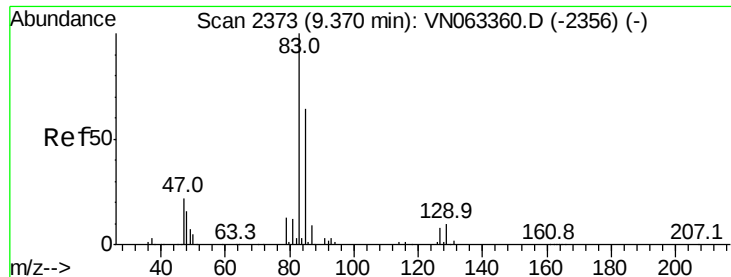
Ion Ratio Lower Upper

93 100

95 733.2 65.6 98.4#

174 0.0 68.1 102.1#





#47

Bromodichloromethane

Concen: 2.535 ug/l

RT: 9.35 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

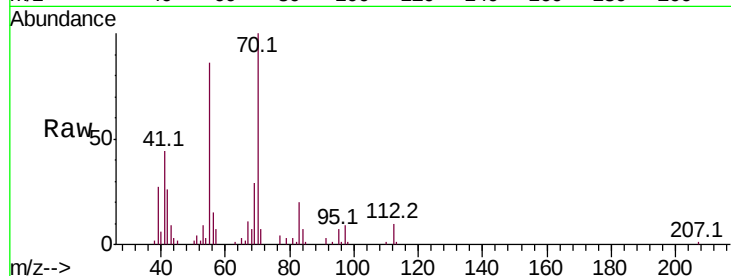
Tot Ion: 83 Resp: 11717

Ion Ratio Lower Upper

83 100

85 5.3 51.0 76.6#

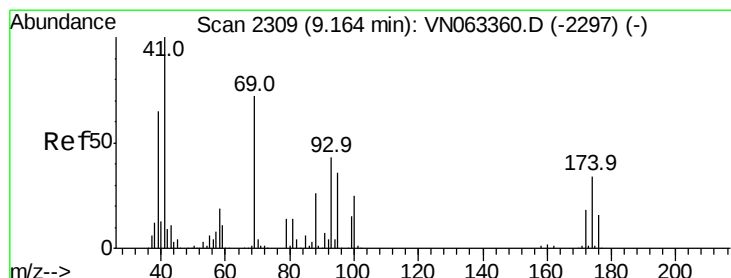
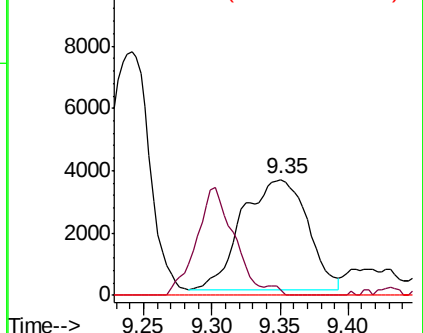
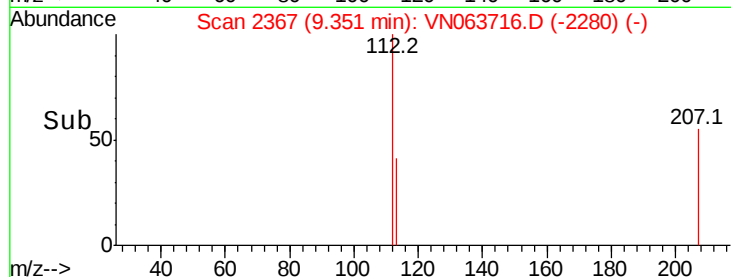
127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 12.210 ug/l

RT: 9.11 min Scan# 2292

Delta R.T. -0.05 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

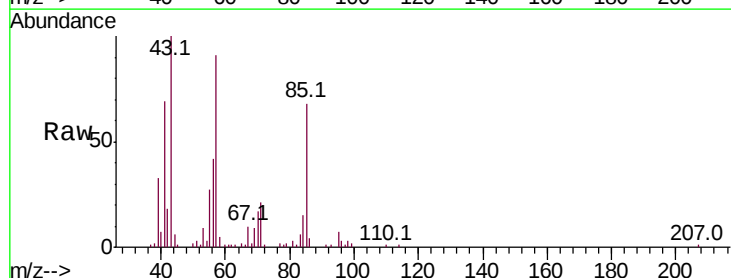
Tgt Ion: 41 Resp: 45846

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

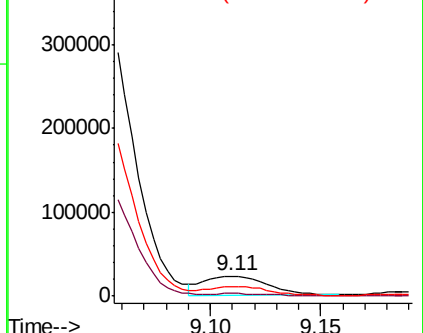
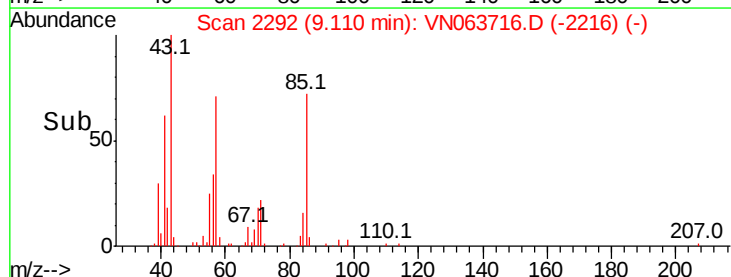
39 44.0 52.9 79.3#

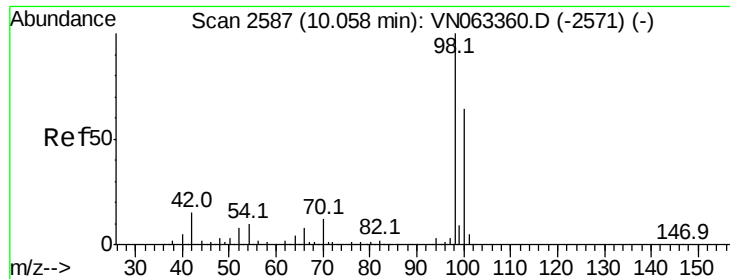


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 53.386 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

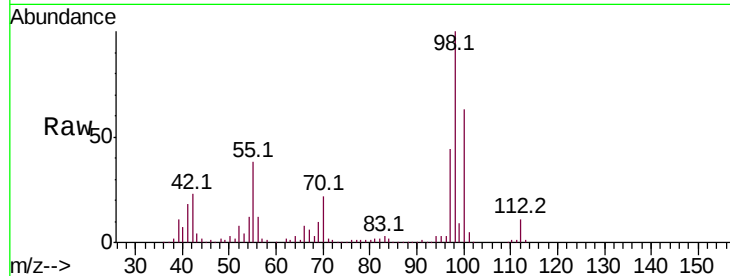
TP-4

Tot Ion: 98 Resp: 568039

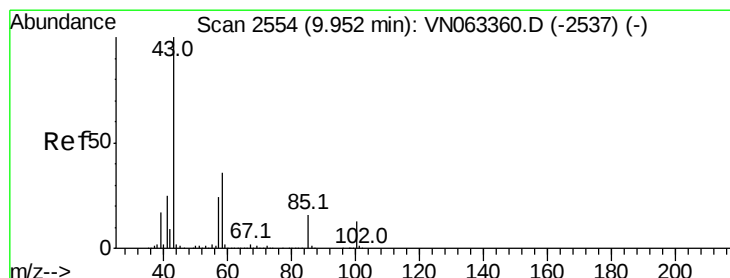
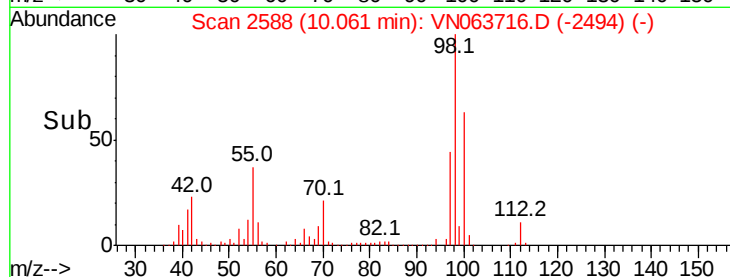
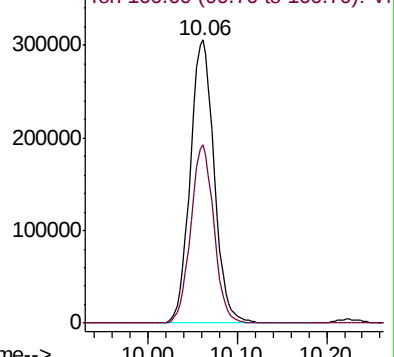
Ion Ratio Lower Upper

98 100

100 60.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.237 ug/l

RT: 9.99 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN063716.D

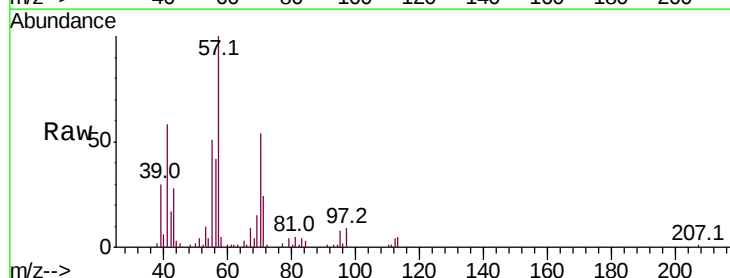
Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 9571

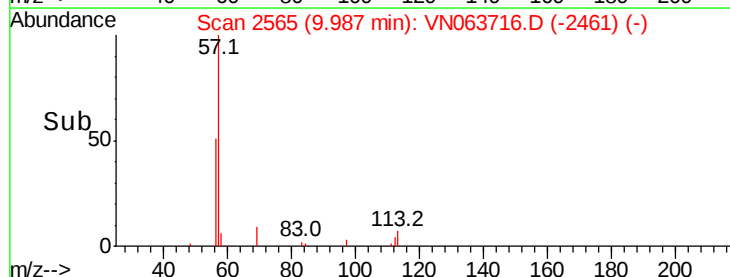
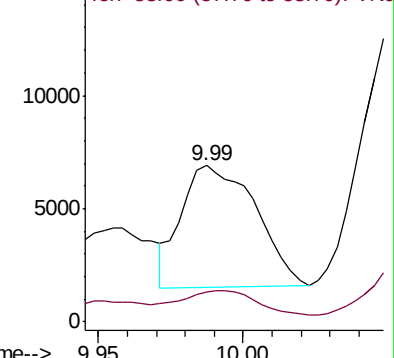
Ion Ratio Lower Upper

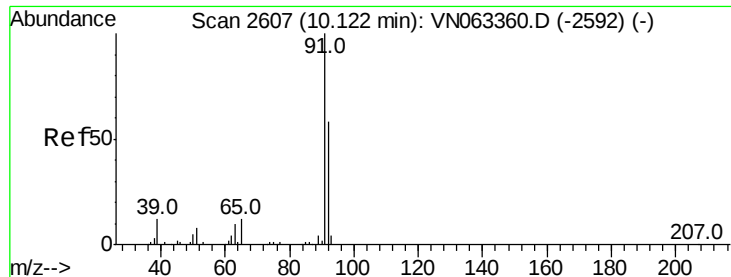
43 100

58 29.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)





#52

Toluene

Concen: 9.776 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

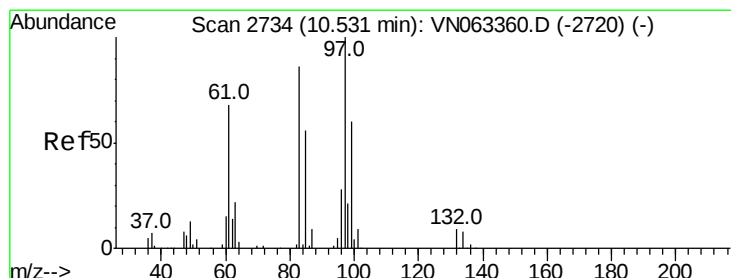
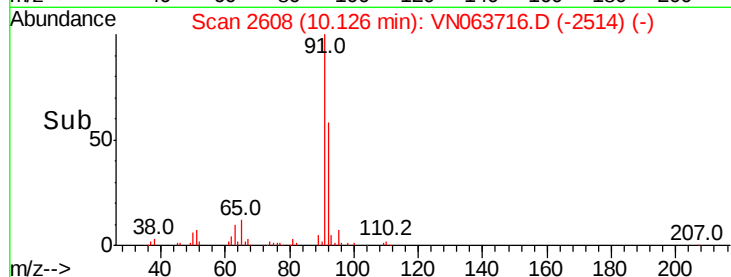
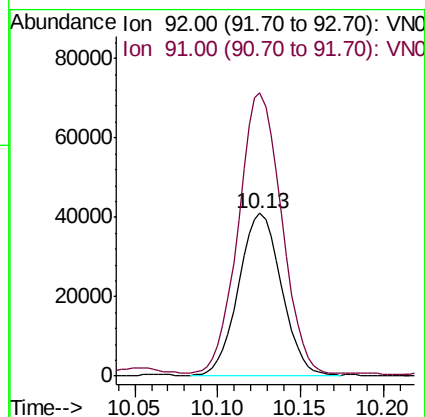
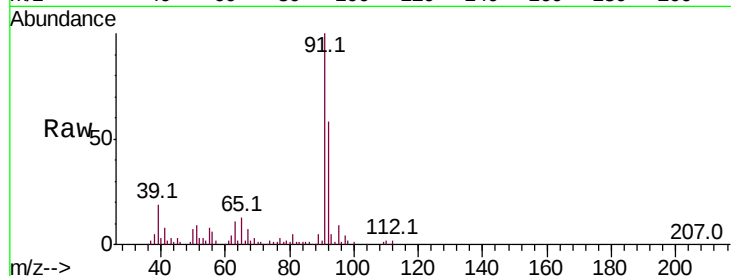
TP-4

Tot Ion: 92 Resp: 73064

Ion Ratio Lower Upper

92 100

91 174.9 139.7 209.5



#55

1,1,2-Trichloroethane

Concen: 39.861 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Tgt Ion: 97 Resp: 118336

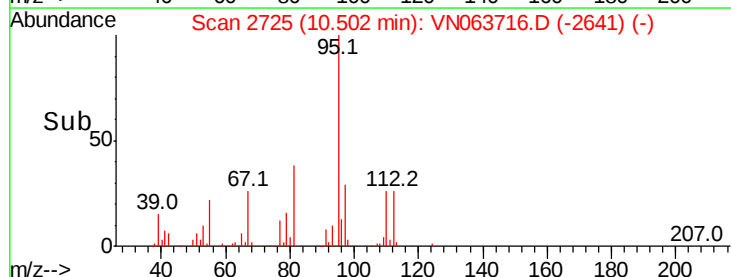
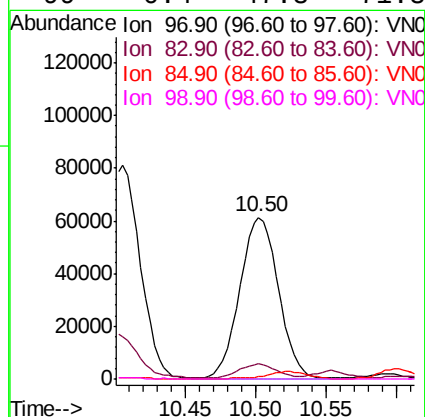
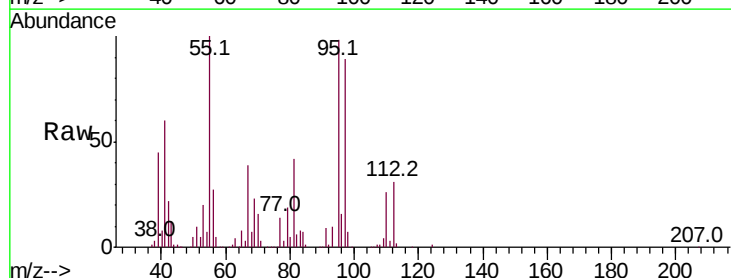
Ion Ratio Lower Upper

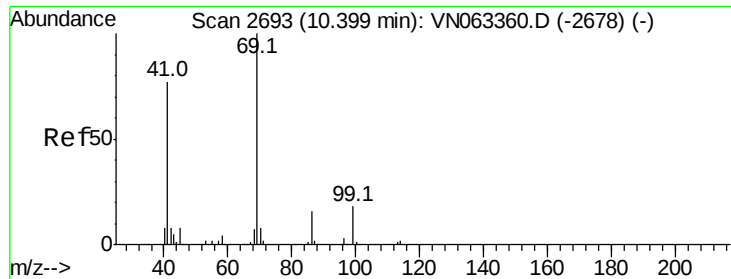
97 100

83 8.2 68.9 103.3#

85 1.3 44.8 67.2#

99 0.4 47.8 71.8#





#56

Ethyl methacrylate

Concen: 11.888 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

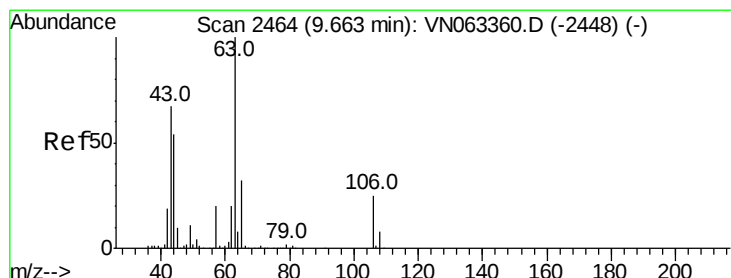
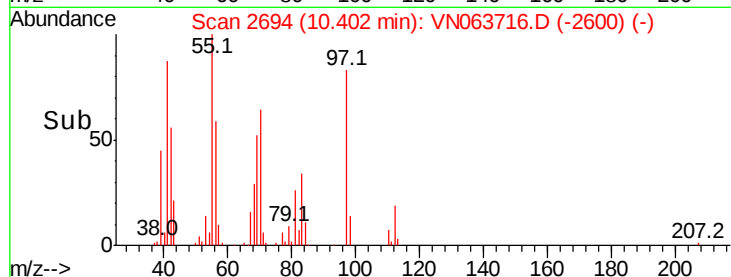
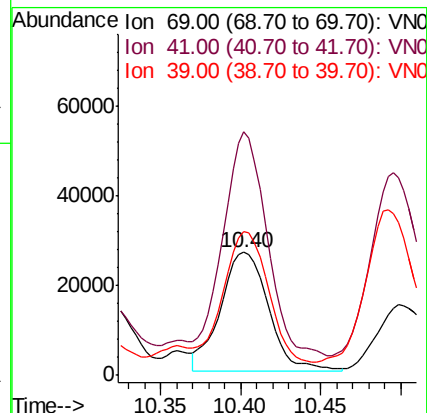
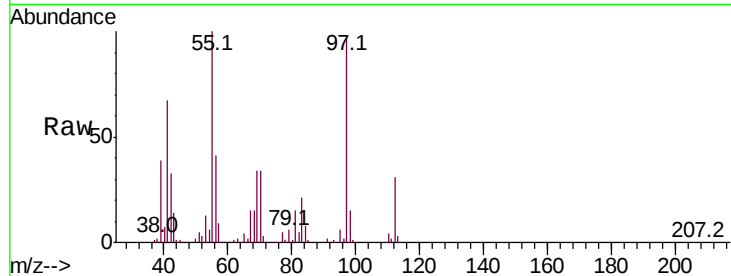
Tot Ion: 69 Resp: 55093

Ion Ratio Lower Upper

69 100

41 166.2 61.0 91.6#

39 106.0 39.2 58.8#



#58

2-Chloroethyl Vinyl ether

Concen: 2.498 ug/l

RT: 9.64 min Scan# 2457

Delta R.T. -0.02 min

Lab File: VN063716.D

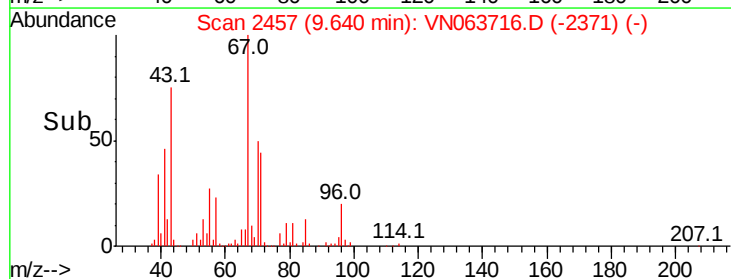
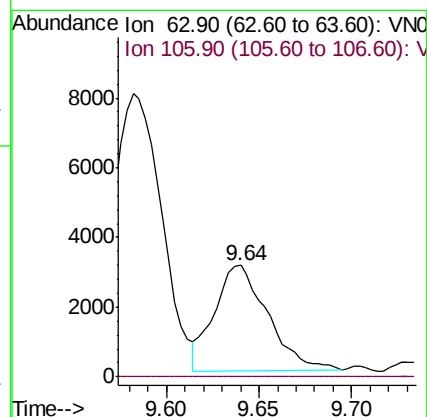
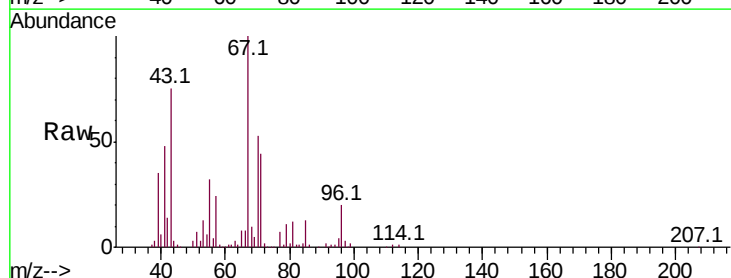
Acq: 28 Sep 2020 19:32

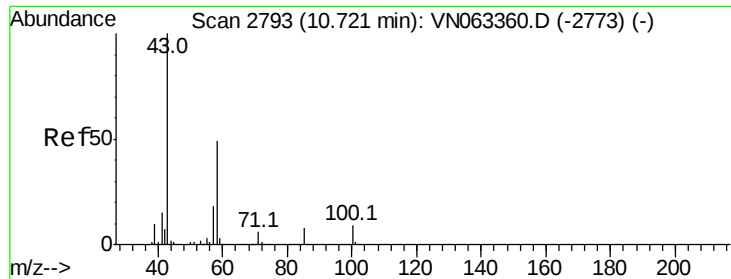
Tgt Ion: 63 Resp: 6072

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#





#59

2-Hexanone

Concen: 9.932 ug/l

RT: 10.69 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

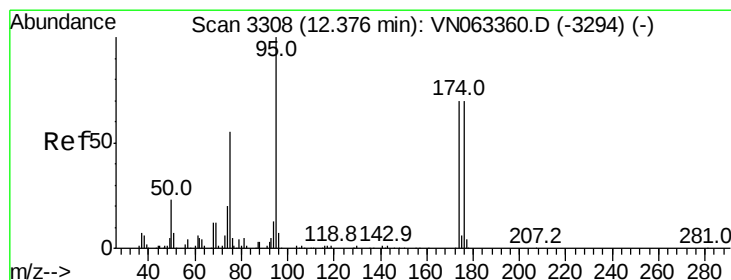
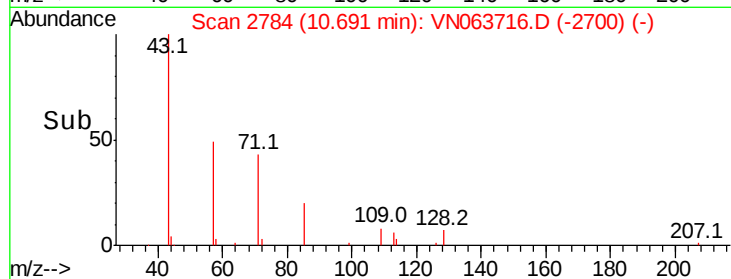
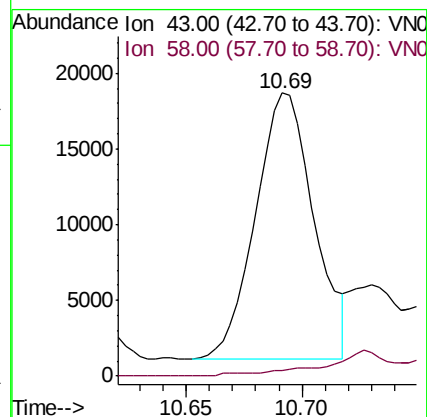
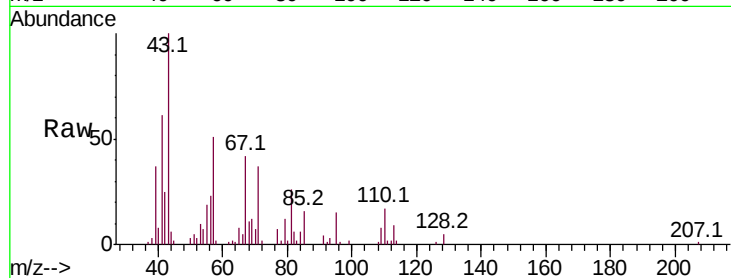
TP-4

Tot Ion: 43 Resp: 30785

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 62.145 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

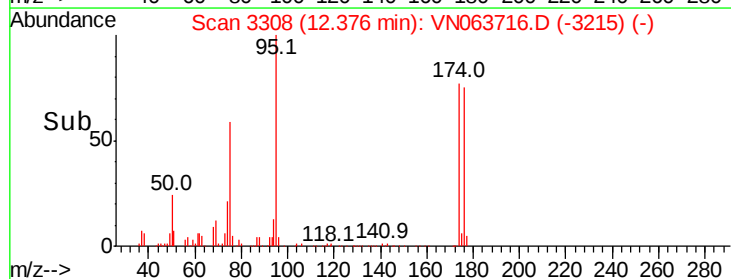
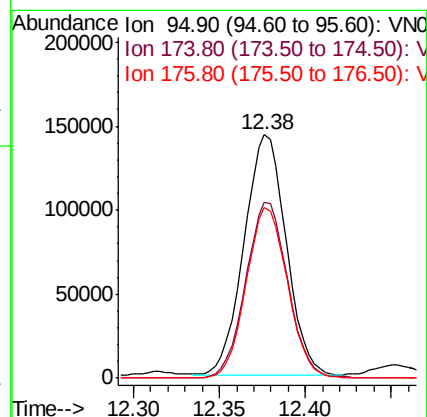
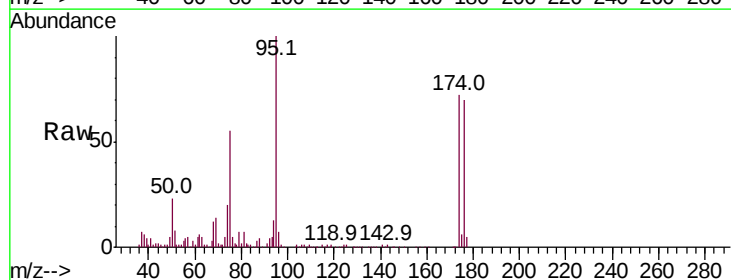
Tgt Ion: 95 Resp: 242398

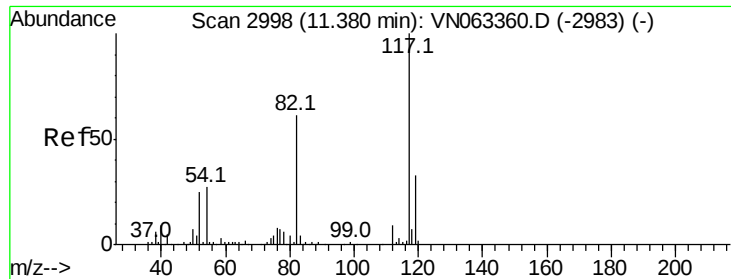
Ion Ratio Lower Upper

95 100

174 73.3 0.0 140.8

176 70.1 0.0 137.6

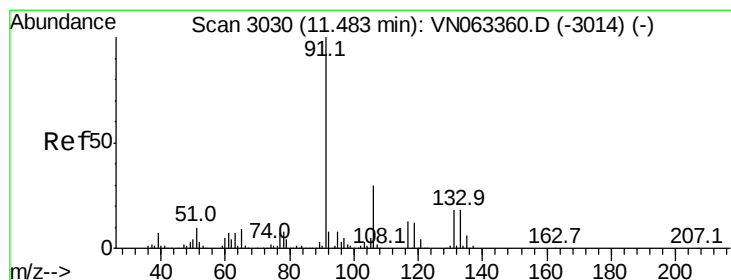
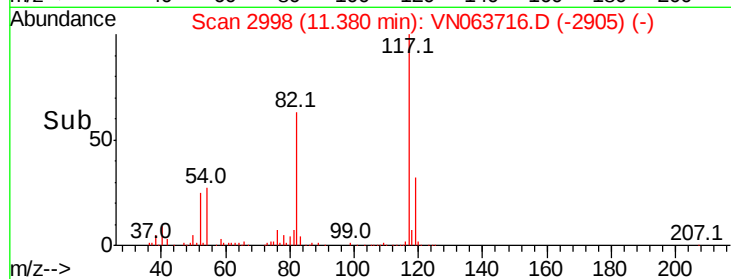
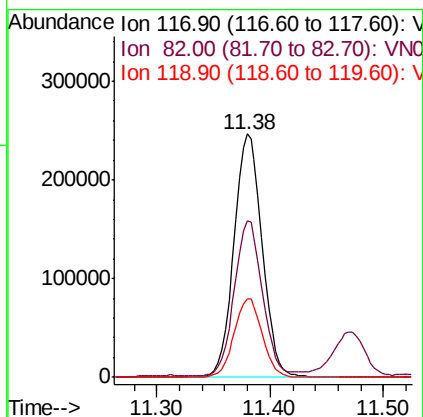
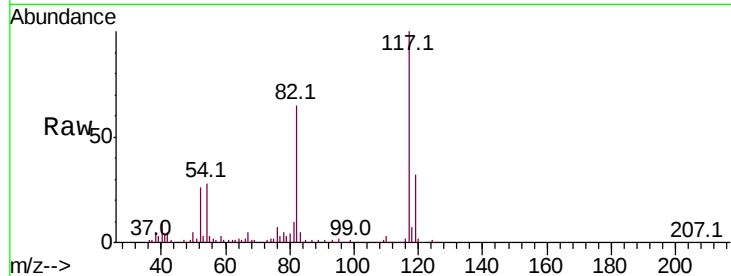




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

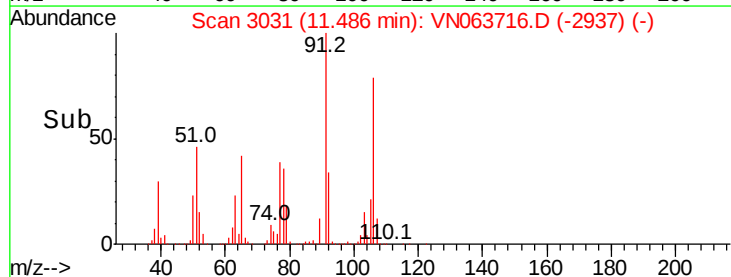
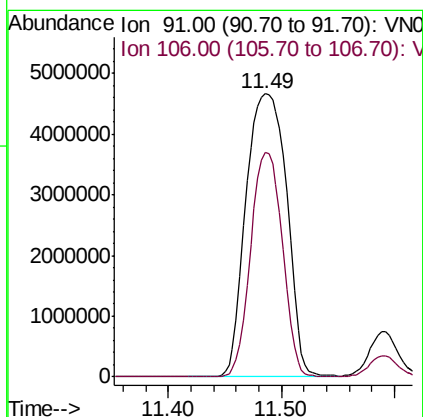
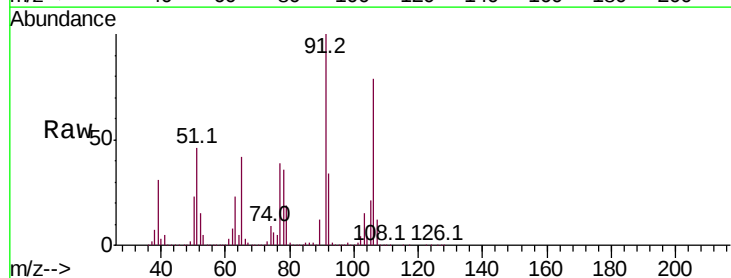
Instrument :
MSVOA_N
ClientSampleId :
TP-4

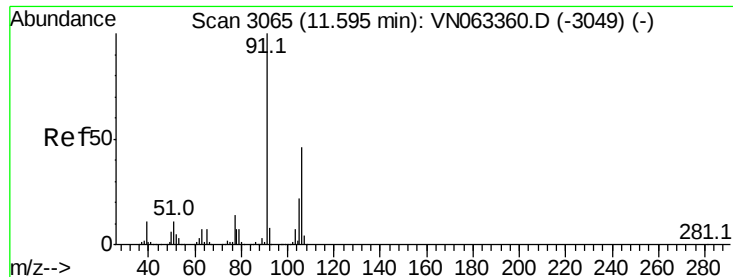
Tot Ion:117 Resp: 427507
Ion Ratio Lower Upper
117 100
82 64.1 49.2 73.8
119 32.4 26.2 39.4



#67
Ethyl Benzene
Concen: 683.598 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 91 Resp:11682362
Ion Ratio Lower Upper
91 100
106 79.3 23.8 35.6#





#68

m/p-Xylenes

Concen: 101.234 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

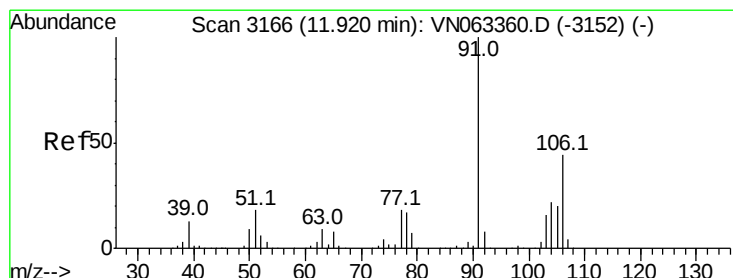
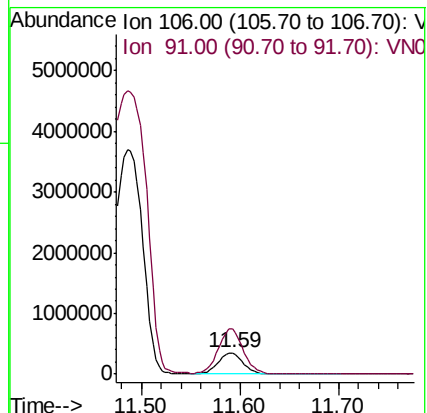
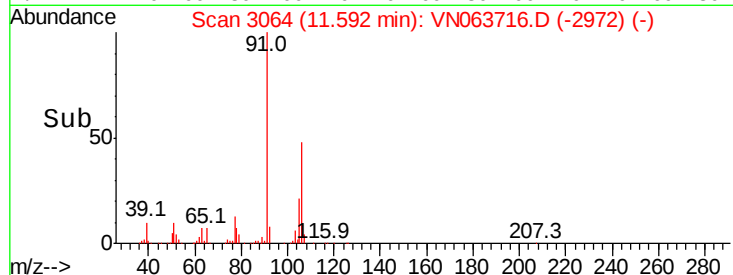
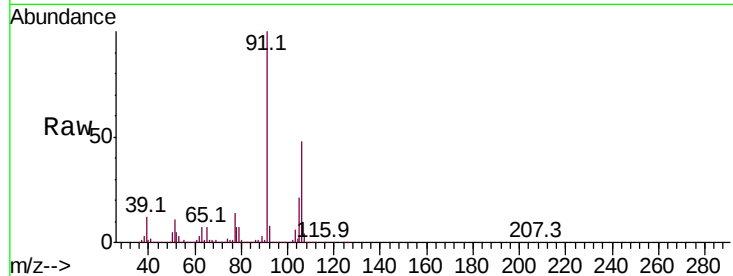
TP-4

Tot Ion:106 Resp: 623765

Ion Ratio Lower Upper

106 100

91 212.9 171.2 256.8



#69

o-Xylene

Concen: 5.679 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063716.D

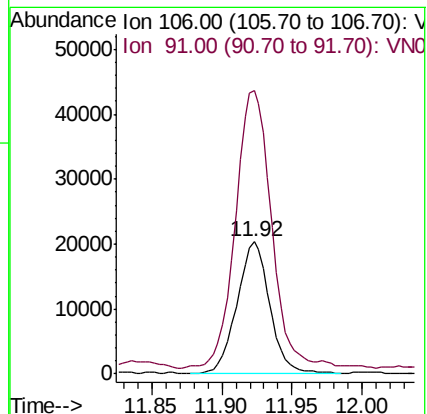
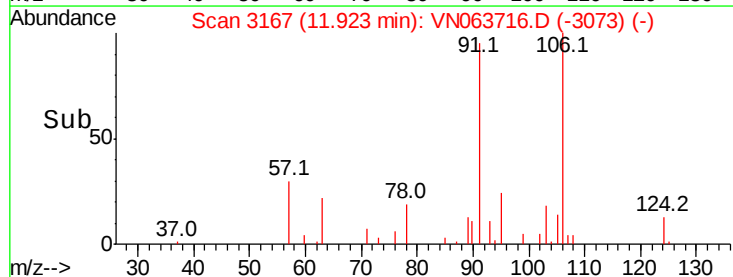
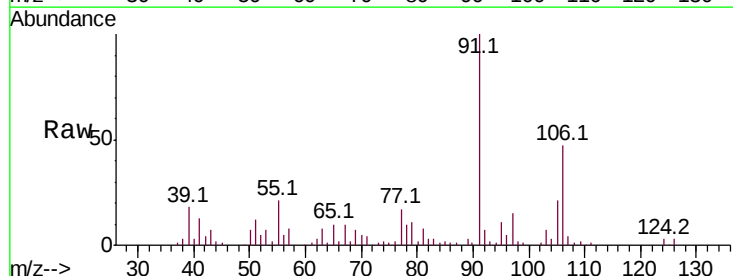
Acq: 28 Sep 2020 19:32

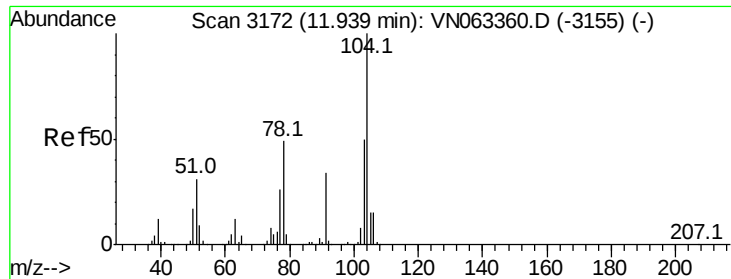
Tgt Ion:106 Resp: 33335

Ion Ratio Lower Upper

106 100

91 229.8 113.6 340.8





#70

Stvrene

Concen: 0.309 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

TP-4

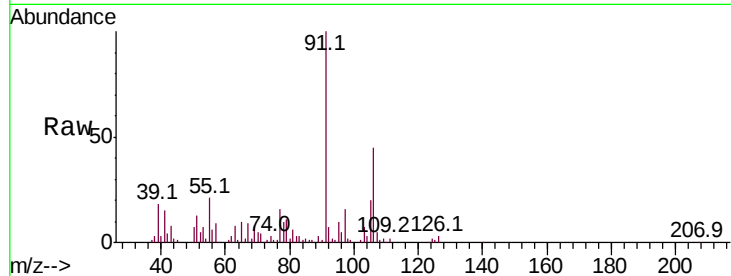
Tot Ion:104 Resp: 3038

Ion Ratio Lower Upper

104 100

78 229.6 44.4 66.6#

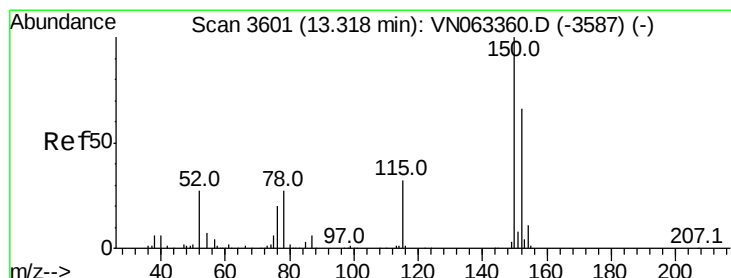
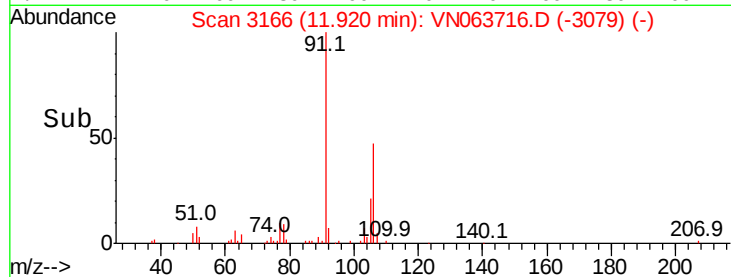
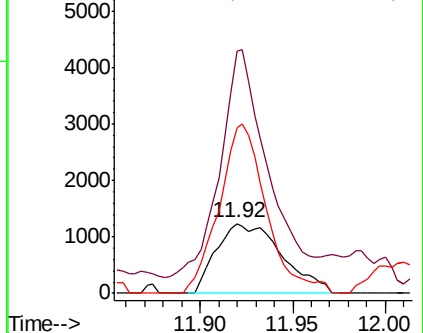
103 0.0 43.7 65.5#



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: VN063716.D

Acq: 28 Sep 2020 19:32

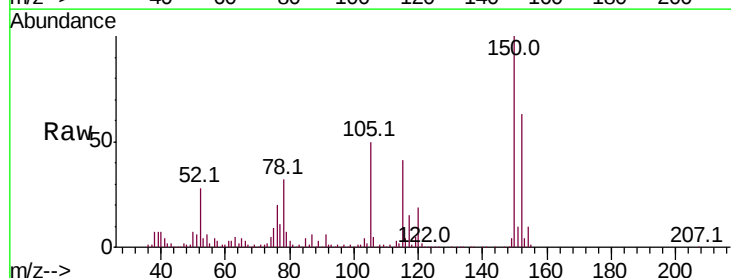
Tgt Ion:152 Resp: 250759

Ion Ratio Lower Upper

152 100

115 0.0 32.2 96.6#

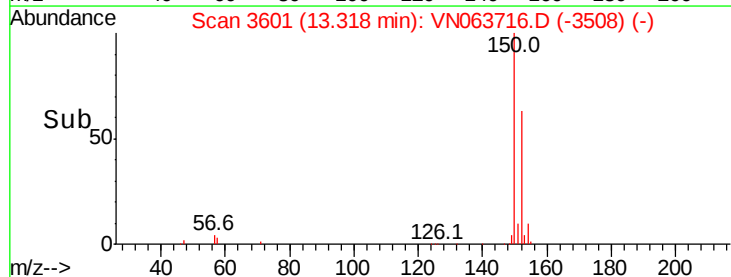
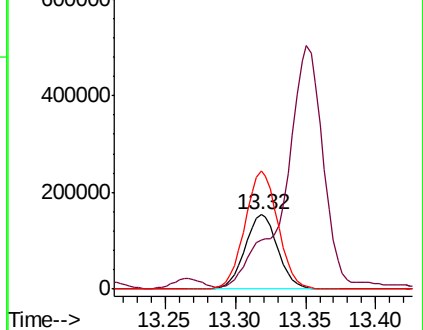
150 159.5 0.0 343.4

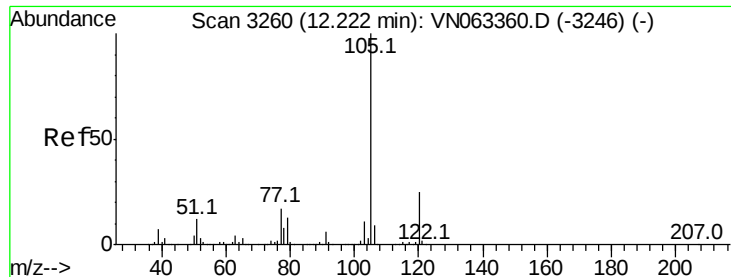


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 157.161 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

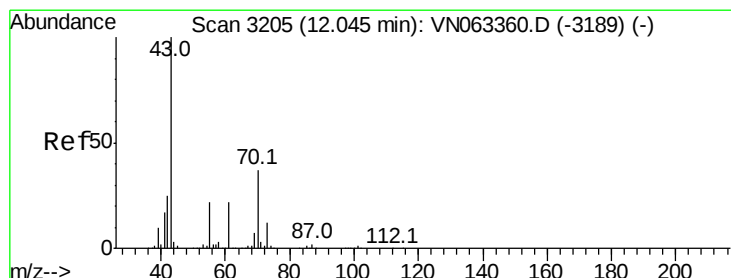
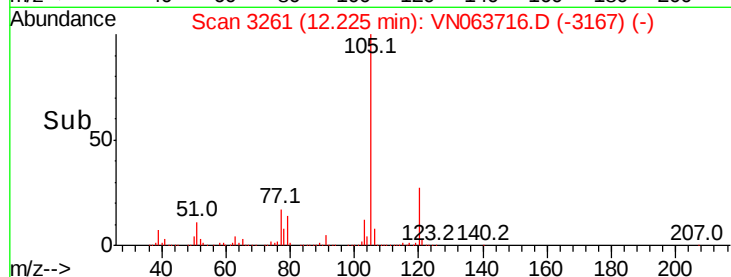
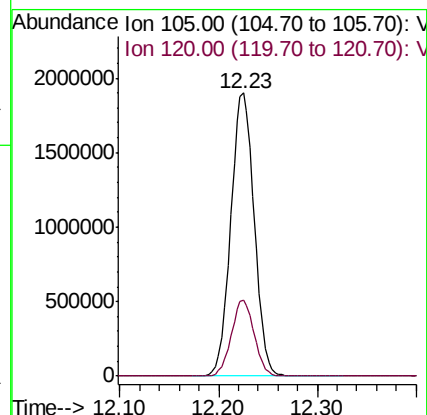
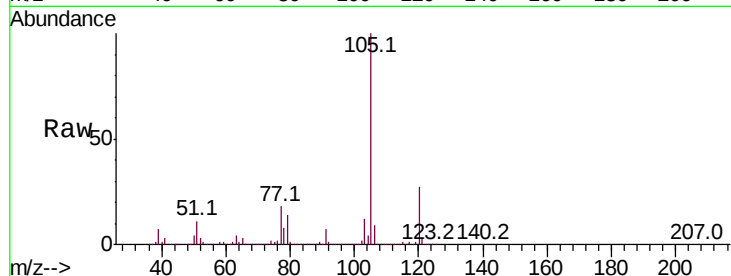
TP-4

Tot Ion:105 Resp: 3158065

Ion Ratio Lower Upper

105 100

120 26.2 12.7 38.0



#74

N-ethyl acetate

Concen: 1.775 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 16886

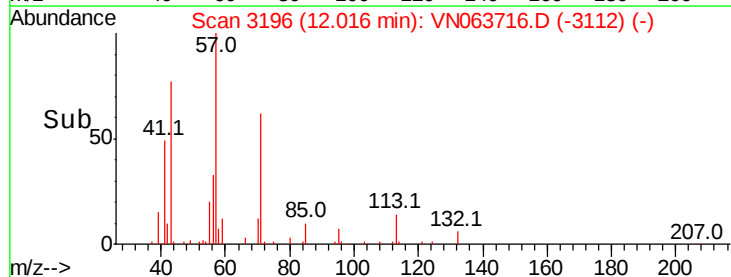
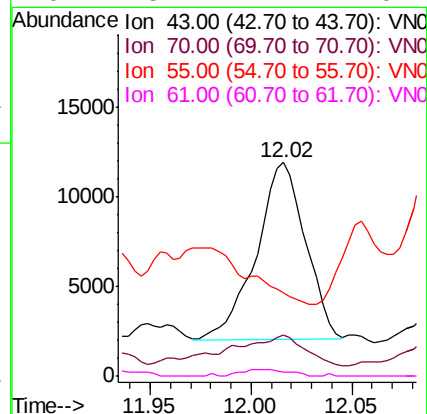
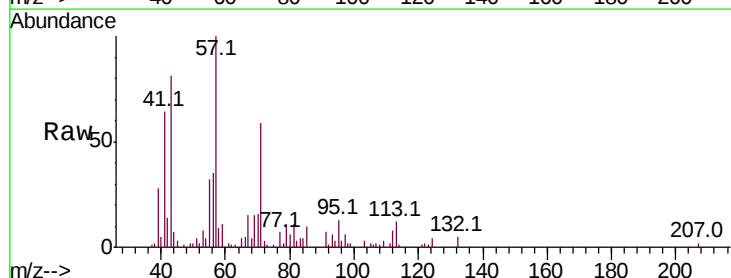
Ion Ratio Lower Upper

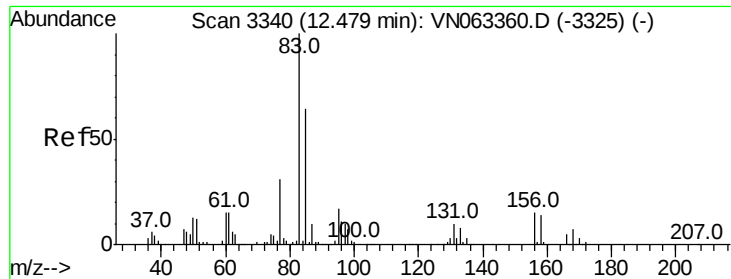
43 100

70 26.1 29.6 44.4#

55 0.0 17.7 26.5#

61 3.7 17.4 26.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.641 ug/l

RT: 12.44 min Scan# 3328

Delta R.T. -0.04 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

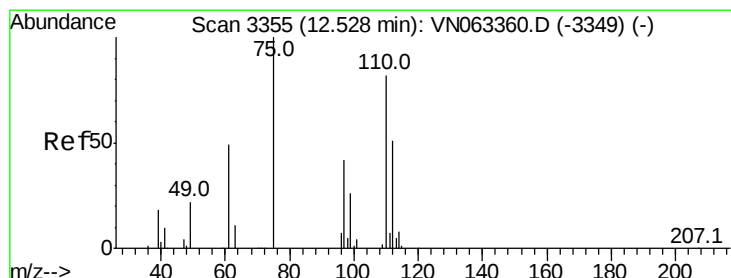
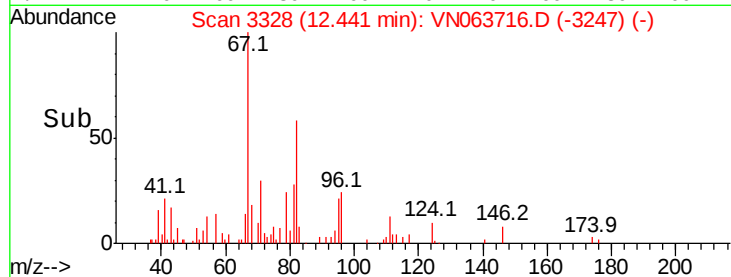
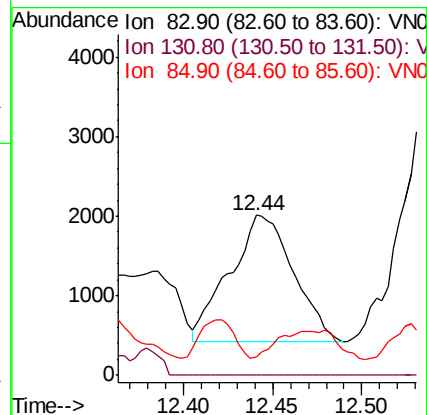
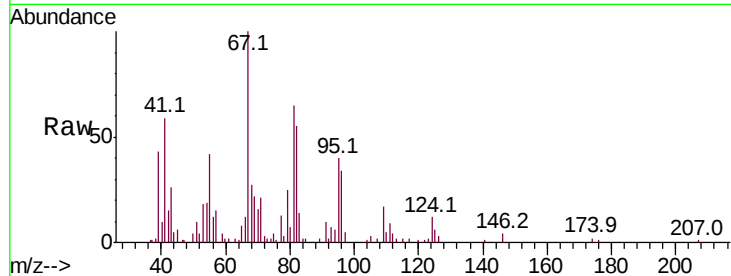
Tot Ion: 83 Resp: 3990

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 11.905 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN063716.D

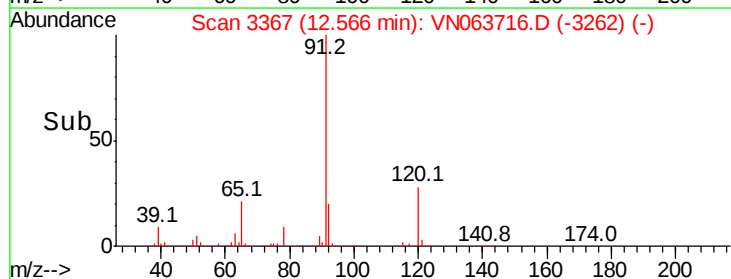
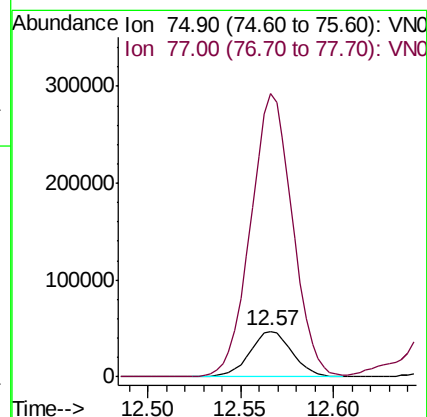
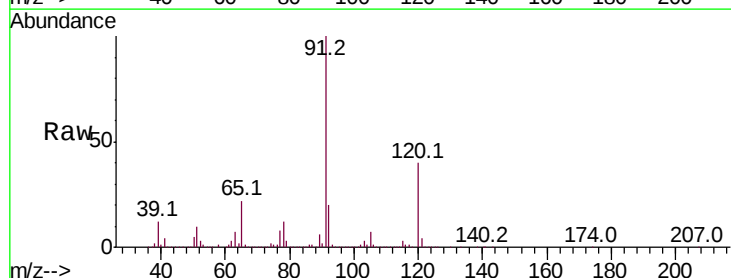
Acq: 28 Sep 2020 19:32

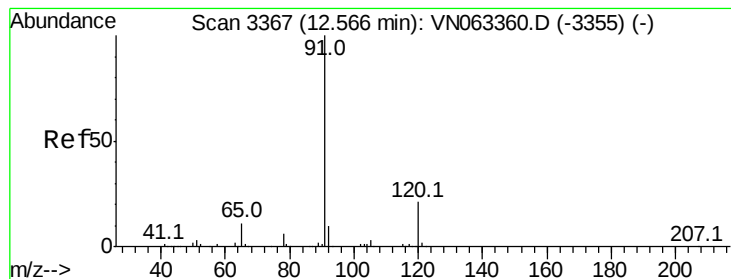
Tgt Ion: 75 Resp: 73888

Ion Ratio Lower Upper

75 100

77 613.1 0.0 0.0#





#78

n-propylbenzene

Concen: 314.437 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

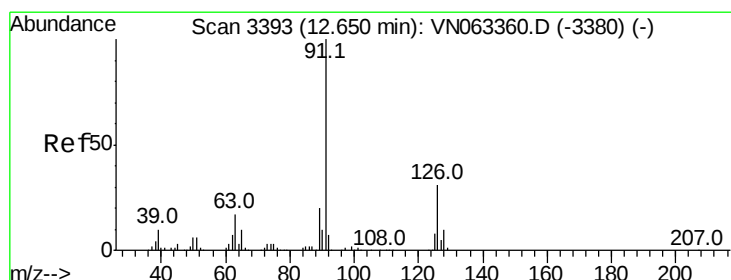
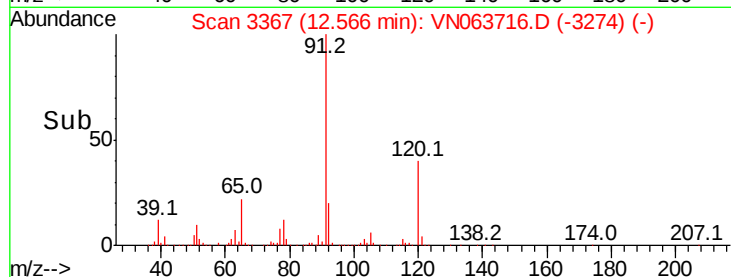
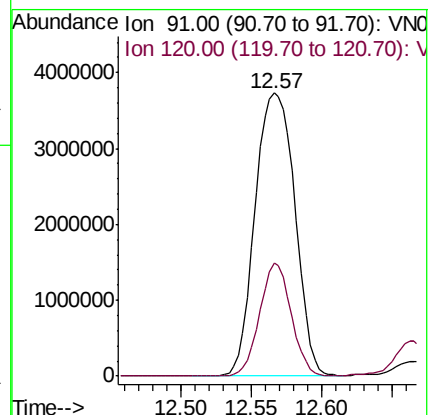
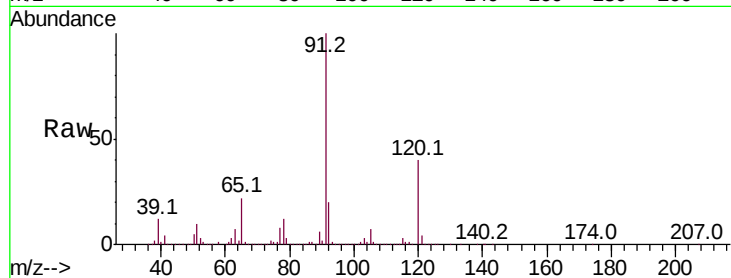
TP-4

Tot Ion: 91 Resp: 7359180

Ion Ratio Lower Upper

91 100

120 31.8 10.8 32.3



#79

2-Chlorotoluene

Concen: 23.629 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VN063716.D

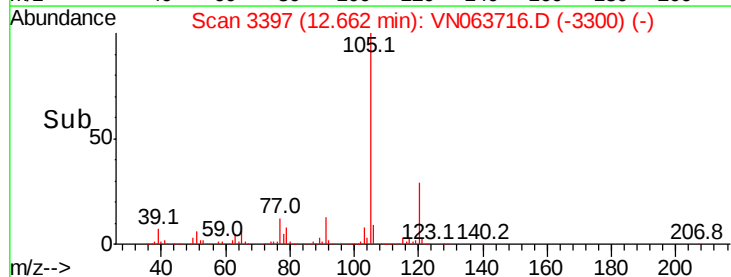
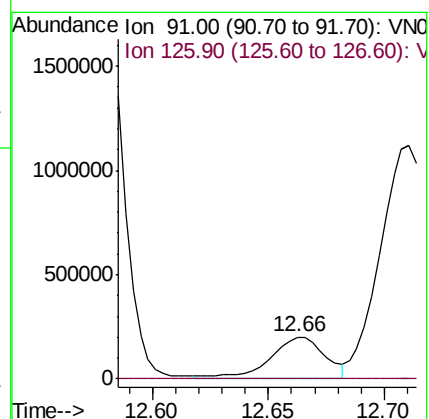
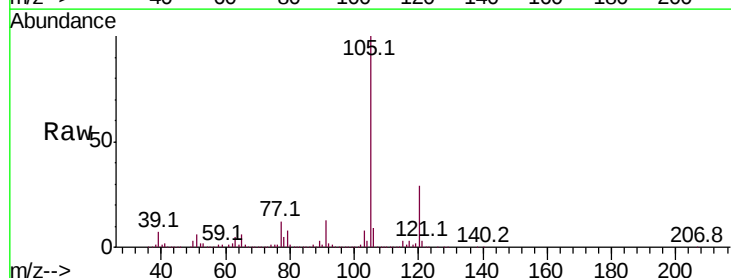
Acq: 28 Sep 2020 19:32

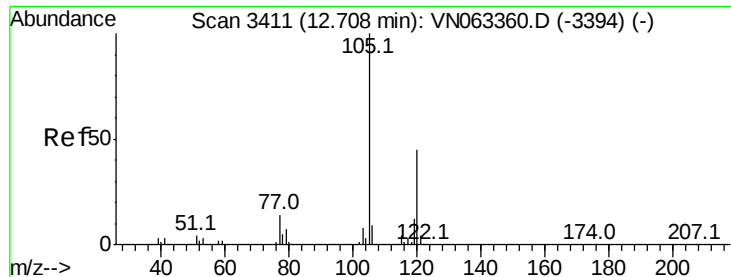
Tgt Ion: 91 Resp: 331511

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#





#80

1,3,5-Trimethylbenzene

Concen: 156.361 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. -0.05 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

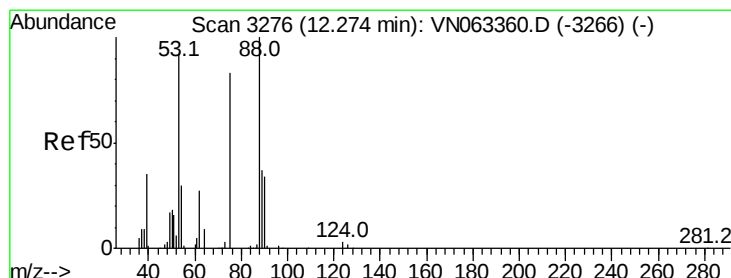
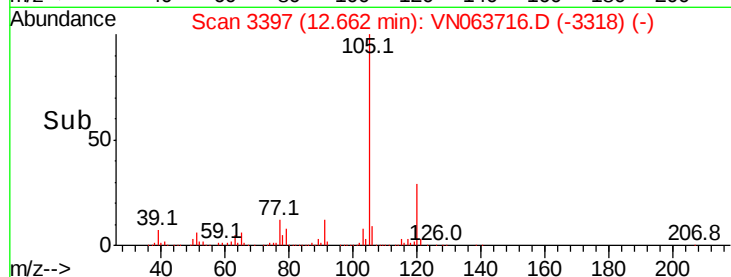
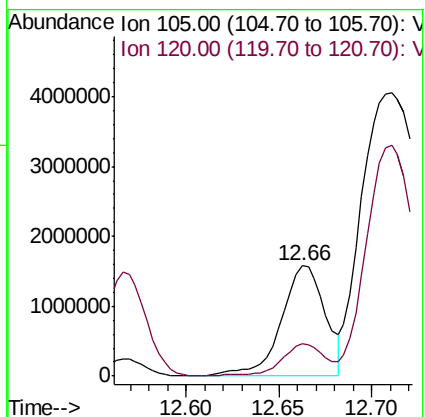
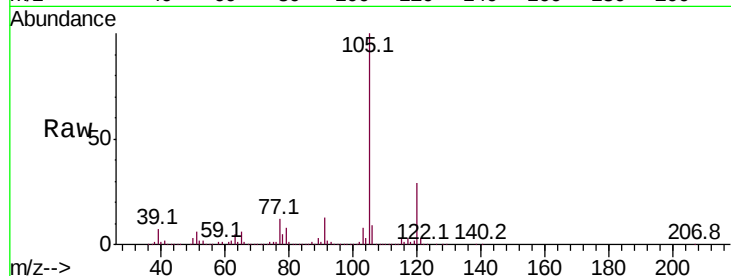
TP-4

Tot Ion:105 Resp: 2620002

Ion Ratio Lower Upper

105 100

120 28.1 22.9 68.8



#81

trans-1,4-Dichloro-2-butene

Concen: 19.338 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

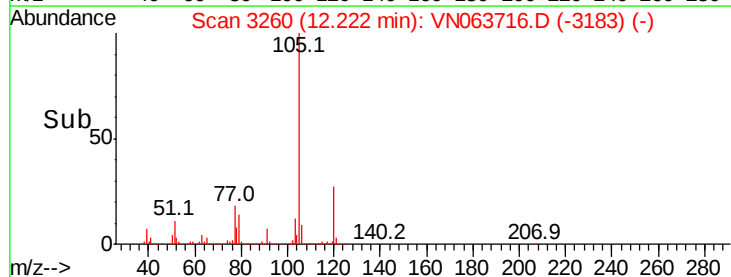
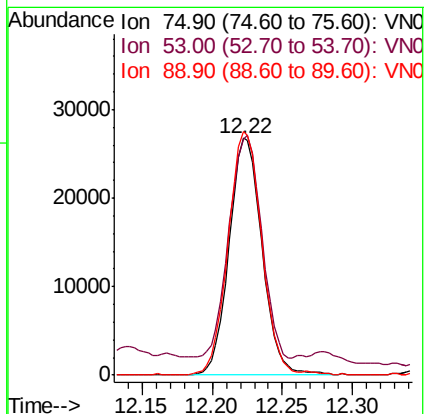
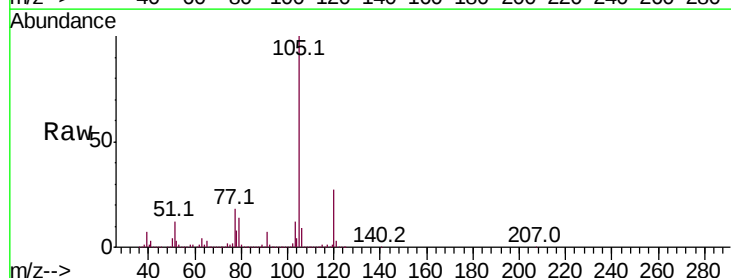
Tgt Ion: 75 Resp: 43779

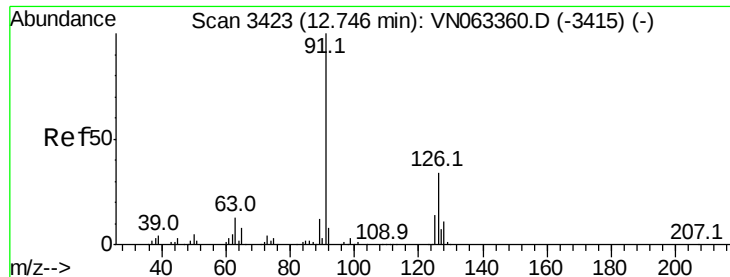
Ion Ratio Lower Upper

75 100

53 93.6 85.7 128.5

89 105.4 38.0 57.0#





#82

4-Chlorotoluene

Concen: 117.513 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. -0.04 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

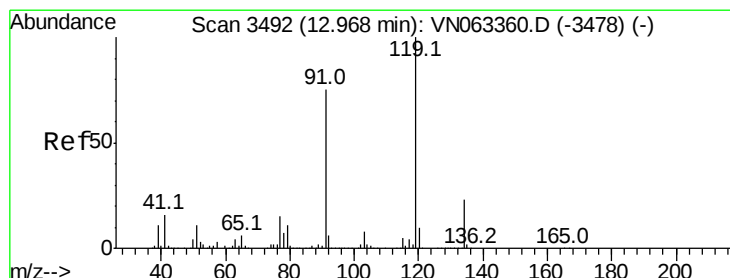
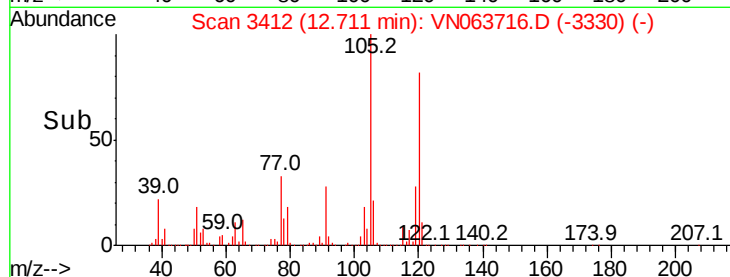
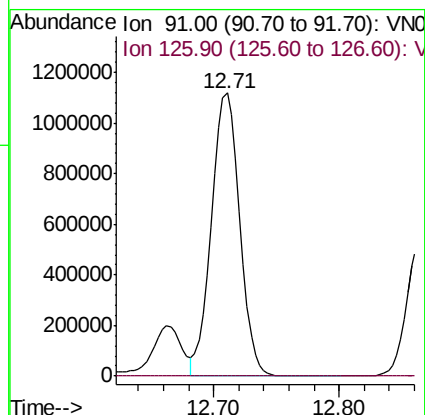
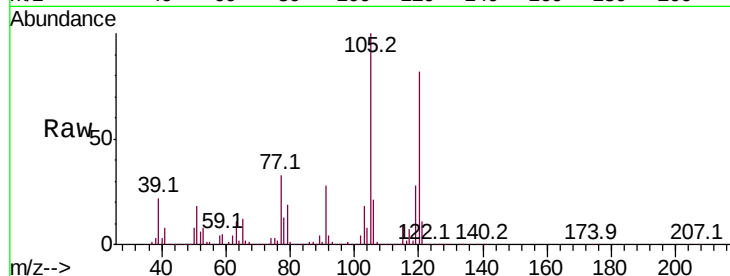
TP-4

Tot Ion: 91 Resp: 1741953

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#



#83

tert-Butylbenzene

Concen: 490.498 ug/l

RT: 13.02 min Scan# 3509

Delta R.T. 0.05 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

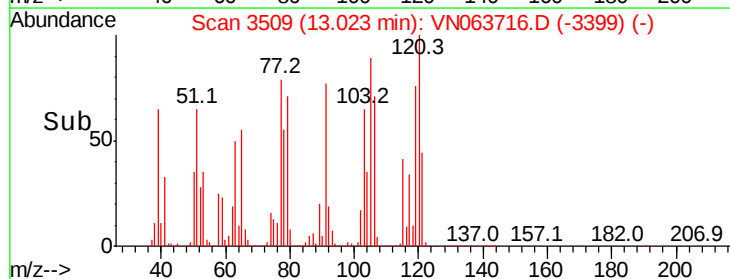
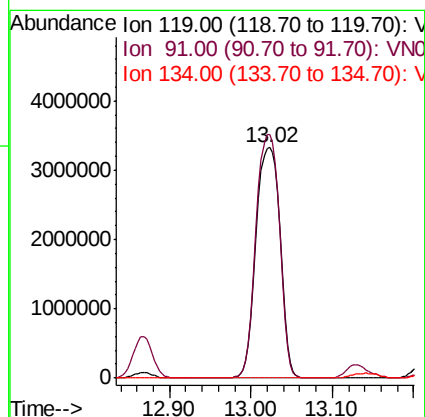
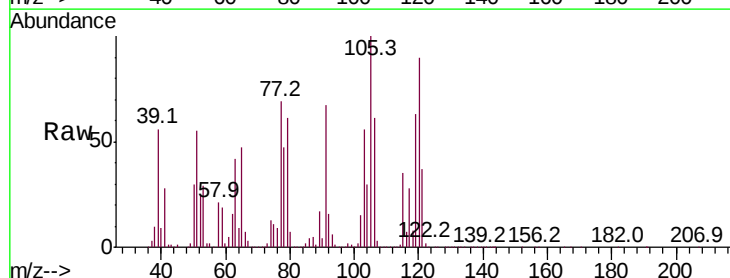
Tgt Ion: 119 Resp: 6783361

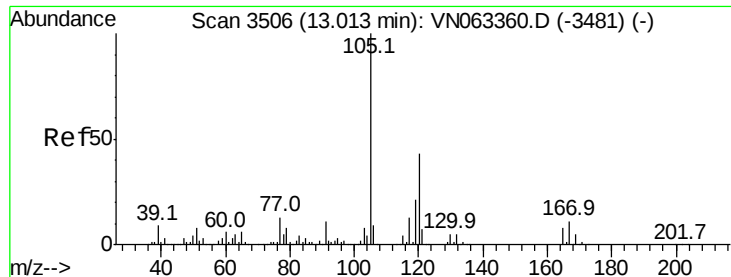
Ion Ratio Lower Upper

119 100

91 102.7 36.3 108.9

134 0.0 12.3 36.8#

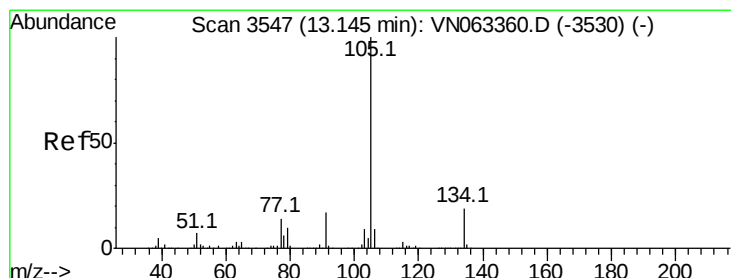
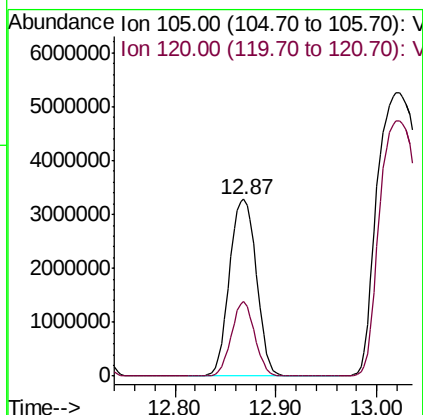
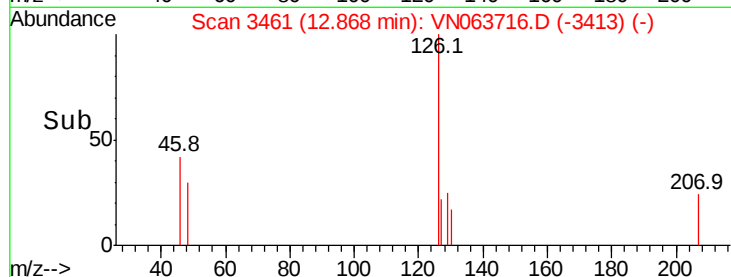
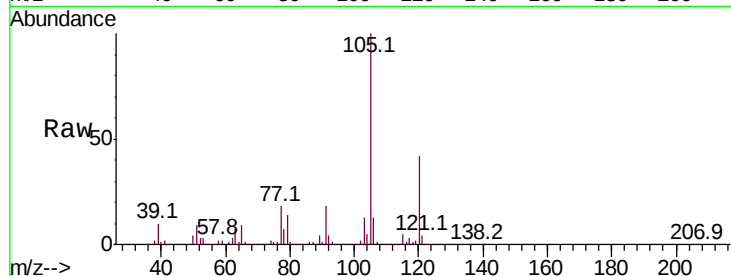




#84
 1,2,4-Trimethylbenzene
 Concen: 361.271 ug/l
 RT: 12.87 min Scan# 3461
 Delta R.T. -0.14 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

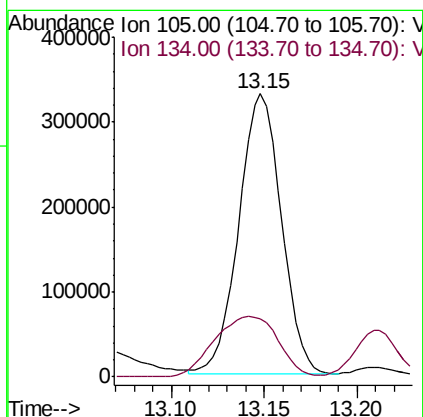
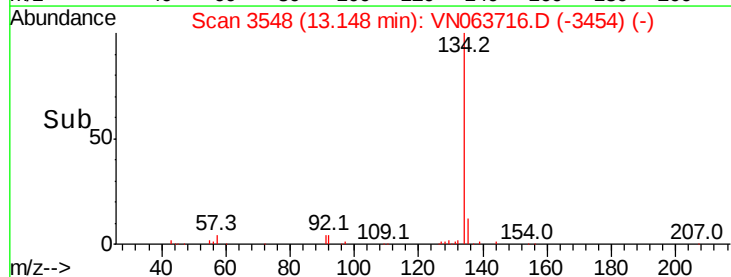
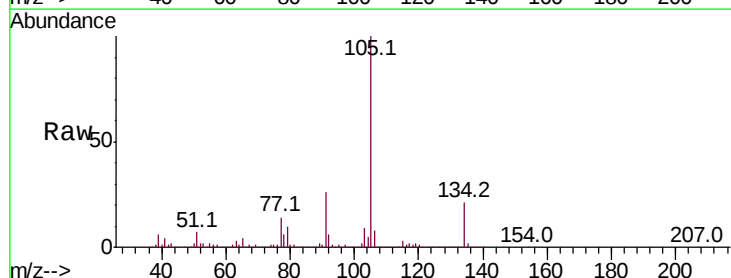
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

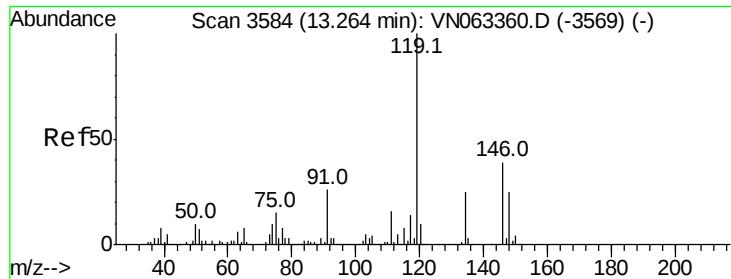
Tot Ion:105 Resp: 6114553
 Ion Ratio Lower Upper
 105 100
 120 36.5 21.3 63.9



#85
 sec-Butylbenzene
 Concen: 28.356 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Tgt Ion:105 Resp: 524918
 Ion Ratio Lower Upper
 105 100
 134 32.5 9.3 27.7#

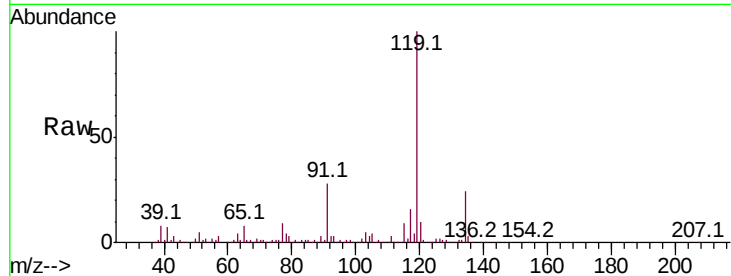




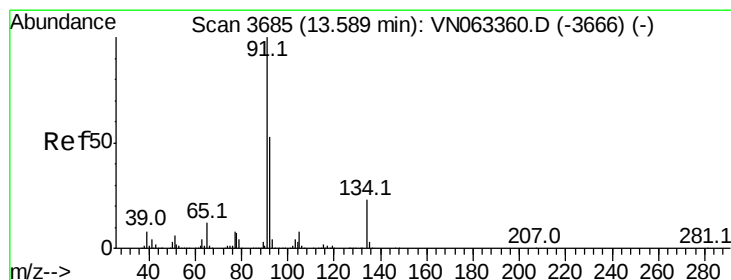
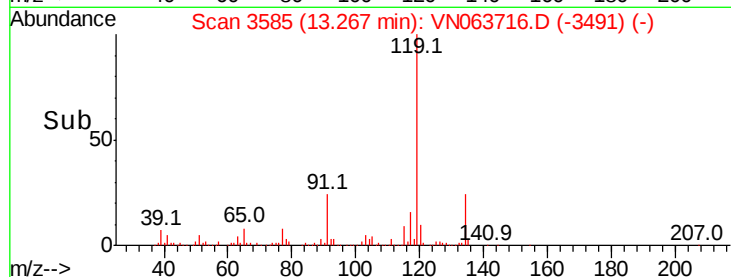
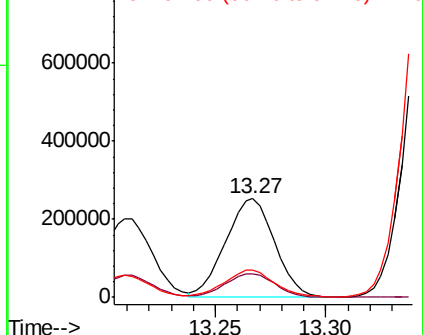
#86
p-Isopropyltoluene
Concen: 23.797 ug/l
RT: 13.27 min Scan# 3585
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion:119 Resp: 388551
Ion Ratio Lower Upper
119 100
134 24.9 12.5 37.5
91 0.0 13.4 40.1#

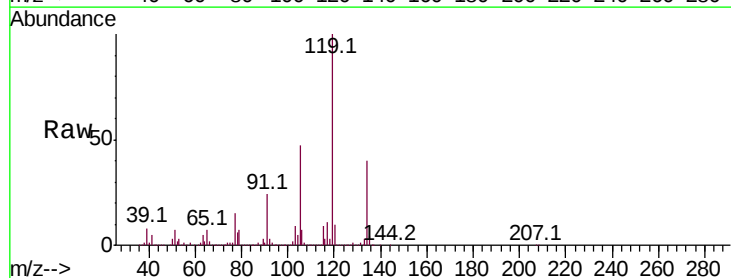


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

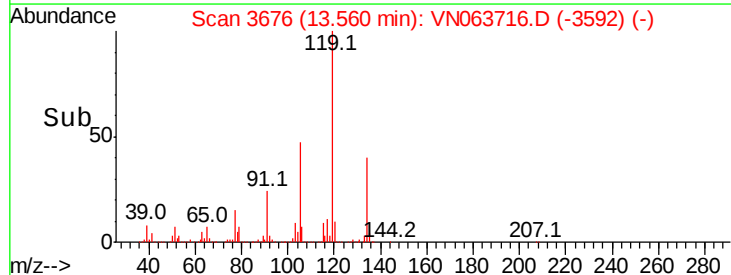
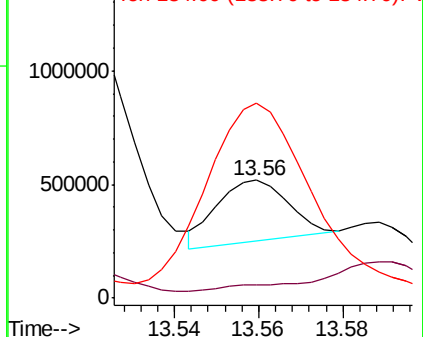


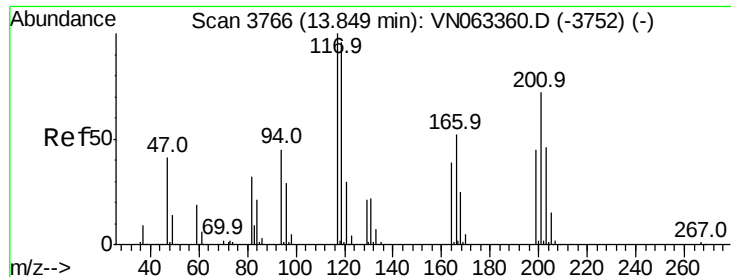
#89
n-Butylbenzene
Concen: 21.230 ug/l
RT: 13.56 min Scan# 3676
Delta R.T. -0.03 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 91 Resp: 319504
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 490.6 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 122.416 ug/l

RT: 13.86 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

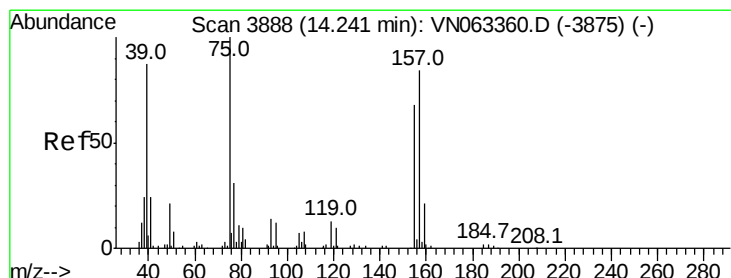
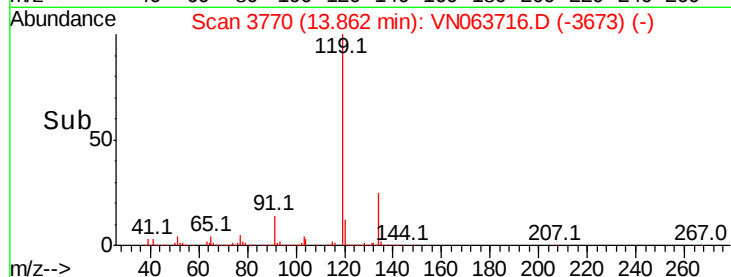
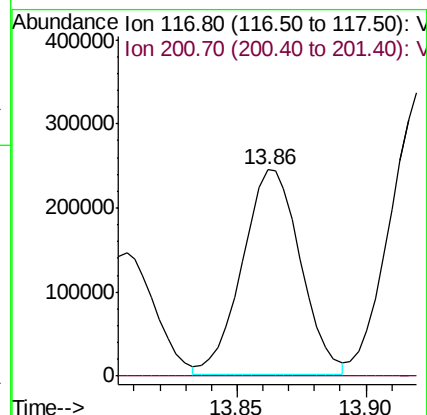
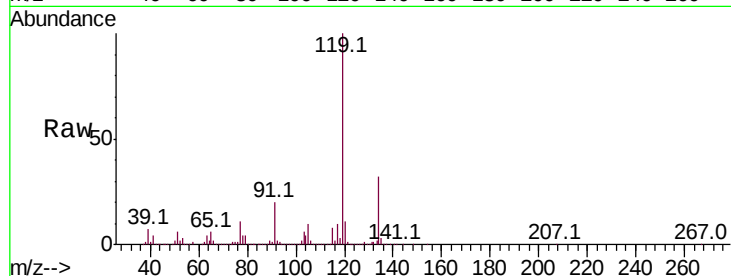
TP-4

Tot Ion:117 Resp: 380594

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.421 ug/l

RT: 14.27 min Scan# 3896

Delta R.T. 0.03 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

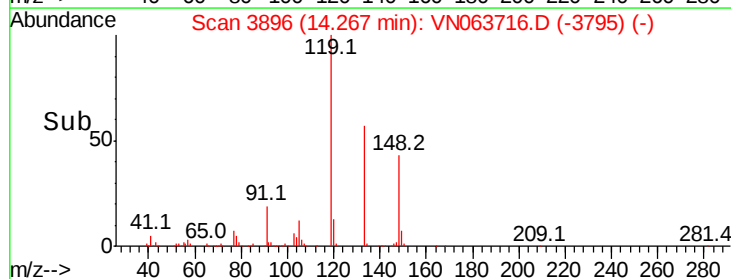
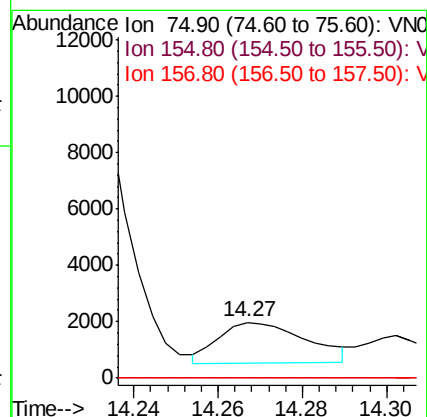
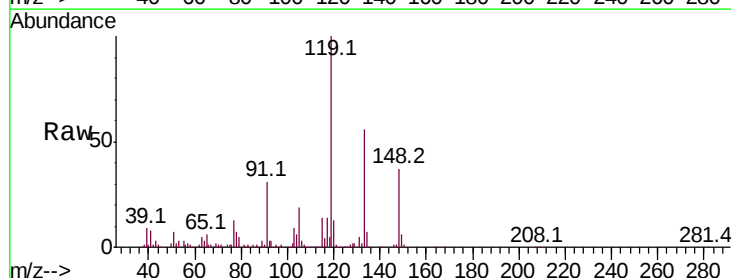
Tgt Ion: 75 Resp: 2106

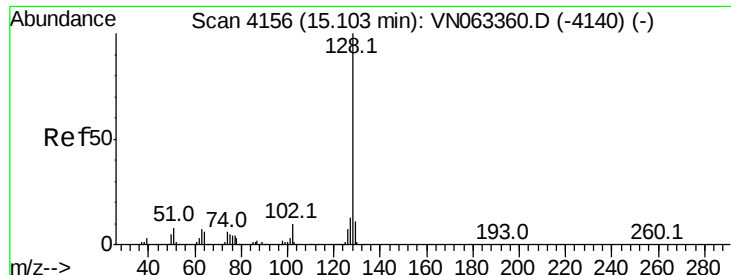
Ion Ratio Lower Upper

75 100

155 0.0 34.6 103.9#

157 0.0 43.7 131.1#





#95

Naphthalene

Concen: 502.410 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion:128 Resp: 8048753

Ion Ratio Lower Upper

128 100

127 18.5 10.6 15.8#

129 15.5 8.8 13.2#

