

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063717.D
 Acq On : 28 Sep 2020 19:56
 Operator : JC/MD
 Sample : L4178-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Sep 29 00:42:38 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	256095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	486807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255658	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	201295	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	7.55	113	146214	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.06	98	637157	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.38	95	273571	60.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.62%	

Target Compounds						Qvalue
3) Chloromethane	2.04	50	801	0.209	ug/l #	86
11) Tert butyl alcohol	4.73	59	15072	24.956	ug/l #	72
13) Acrolein	3.53	56	3096	13.833	ug/l #	1
14) Allyl chloride	4.37	41	31494	5.509	ug/l #	71
15) Acrylonitrile	5.01	53	77562	50.489	ug/l #	39
16) Acetone	3.77	43	120658	86.120	ug/l #	65
17) Carbon Disulfide	4.01	76	7853	0.934	ug/l #	84
18) Methyl Acetate	4.55	43	2517738	707.879	ug/l #	54
20) Methylene Chloride	4.47	84	1961	0.552	ug/l #	1
23) Vinyl Acetate	5.88	43	26788	2.798	ug/l #	75
24) 1,1-Dichloroethane	5.88	63	10494	1.649	ug/l #	84
25) 2-Butanone	6.79	43	31132	14.448	ug/l #	81
26) 2,2-Dichloropropane	6.59	77	22033	3.932	ug/l #	55
29) Tetrahydrofuran	7.18	42	2561	1.740	ug/l #	36
30) Chloroform	7.35	83	10826	1.695	ug/l #	1
31) Cyclohexane	7.61	56	1605637	266.681	ug/l	96
36) 1,1-Dichloropropene	7.63	75	25233	5.024	ug/l #	36
37) Ethyl Acetate	6.79	43	31132	6.316	ug/l #	70
38) Carbon Tetrachloride	7.63	117	28417	5.543	ug/l #	17
39) Methylcyclohexane	9.05	83	1779119	326.394	ug/l	98
40) Benzene	8.00	78	78155	5.451	ug/l	99
41) Methacrylonitrile	7.17	41	15228	6.869	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	4664	0.809	ug/l #	1
43) Isopropyl Acetate	8.12	43	158864	18.024	ug/l #	64
45) 1,2-Dichloropropane	9.05	63	23982	6.142	ug/l #	1
47) Bromodichloromethane	9.35	83	20096	3.769	ug/l #	28
48) Methyl methacrylate	9.11	41	119171	27.520	ug/l #	38
51) 4-Methyl-2-Pentanone	9.99	43	31787	6.442	ug/l	91
52) Toluene	10.13	92	49562	5.750	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	1387	0.221	ug/l #	1
55) 1,1,2-Trichloroethane	10.50	97	139421	40.721	ug/l #	20
56) Ethyl methacrylate	10.40	69	55590	10.400	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.64	63	7070	2.522	ug/l #	51
59) 2-Hexanone	10.69	43	85527	23.925	ug/l #	31

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

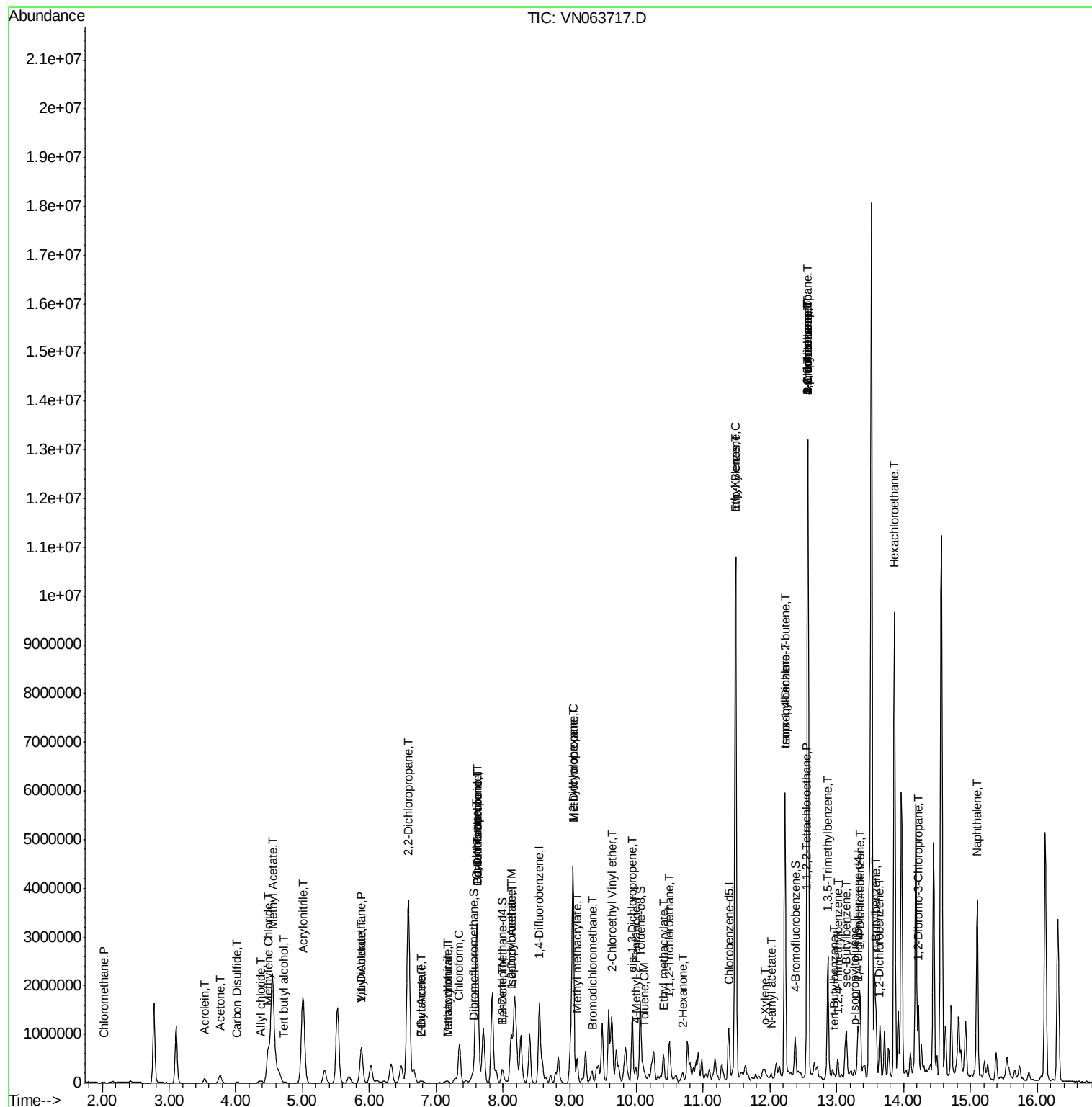
67) Ethyl Benzene	11.49	91	6812454	350.074	ug/l #	69
68) m/p-Xylenes	11.49	106	2650176	377.716	ug/l #	73
69) o-Xylene	11.92	106	37965	5.680	ug/l	98
73) Isopropylbenzene	12.23	105	3709212	181.052	ug/l	98
74) N-amyl acetate	12.02	43	33358	3.440	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.54	83	11810	1.862	ug/l #	44
76) 1,2,3-Trichloropropane	12.57	75	90960	14.374	ug/l #	100
77) Bromobenzene	12.57	156	1164	0.253	ug/l #	1
78) n-propylbenzene	12.57	91	8240252	345.336	ug/l #	70
79) 2-Chlorotoluene	12.57	91	8240252	576.088	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.87	105	1568008	91.785	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.22	75	49982	21.655	ug/l #	63
82) 4-Chlorotoluene	12.57	91	8240252	545.237	ug/l #	44
83) tert-Butylbenzene	12.97	119	26943	1.911	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	212636	12.323	ug/l	99
85) sec-Butylbenzene	13.15	105	554483	29.379	ug/l #	67
86) p-Isopropyltoluene	13.26	119	55775	3.351	ug/l #	49
88) 1,4-Dichlorobenzene	13.33	146	5527	0.636	ug/l #	48
89) n-Butylbenzene	13.59	91	811410	52.881	ug/l #	75
90) Hexachloroethane	13.86	117	523595	165.184	ug/l #	14
91) 1,2-Dichlorobenzene	13.63	146	12498	1.490	ug/l #	78
92) 1,2-Dibromo-3-Chloropropan	14.22	75	4911	3.251	ug/l #	10
95) Naphthalene	15.10	128	2973238	182.036	ug/l	100

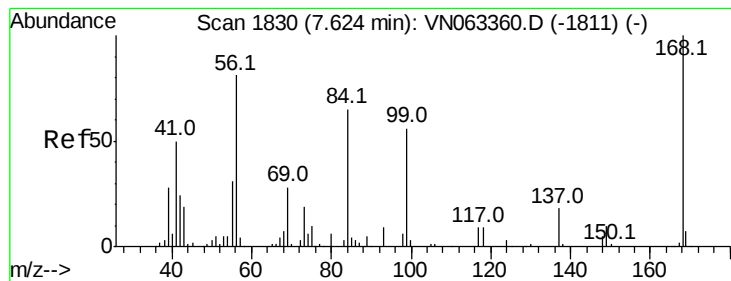
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

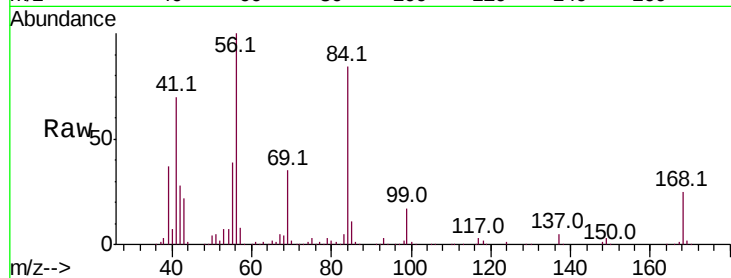
TP-5

Tot Ion:168 Resp: 256095

Ion Ratio Lower Upper

168 100

99 65.8 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

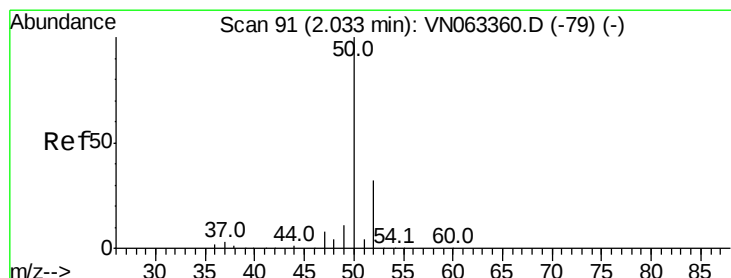
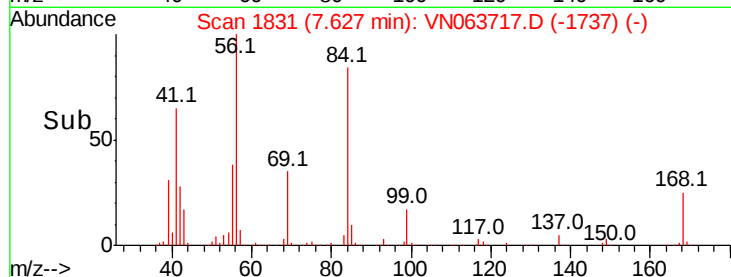
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.209 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063717.D

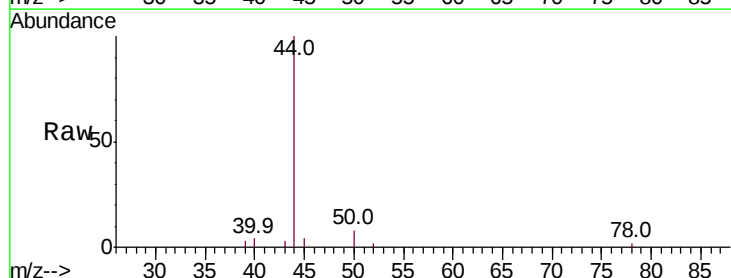
Acq: 28 Sep 2020 19:56

Tgt Ion: 50 Resp: 801

Ion Ratio Lower Upper

50 100

52 24.6 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

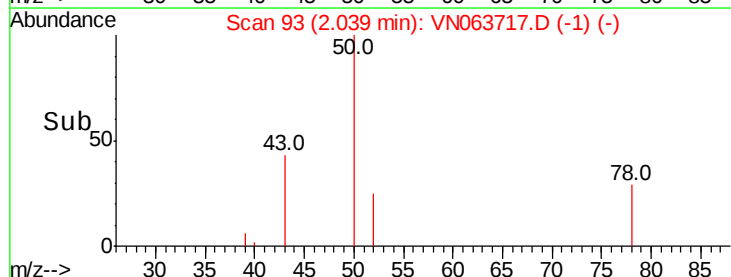
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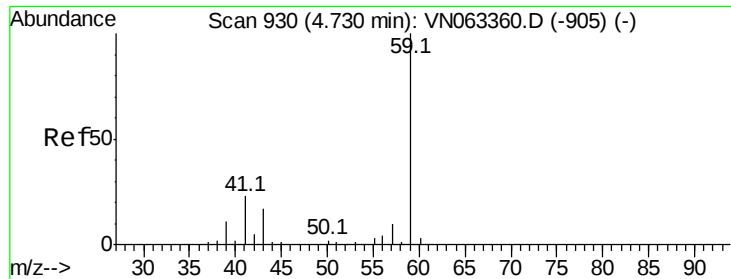
400

200

0

Time--> 2.00 2.02 2.04 2.06

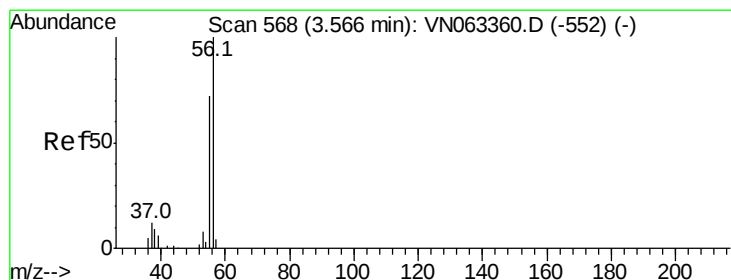
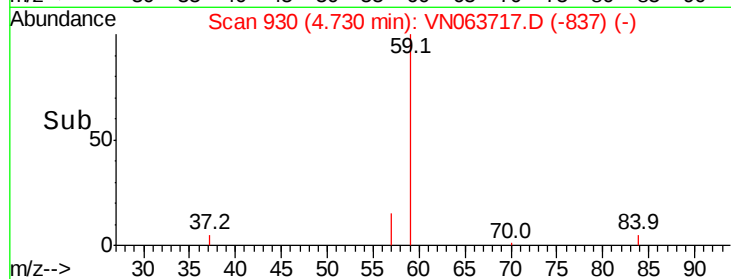
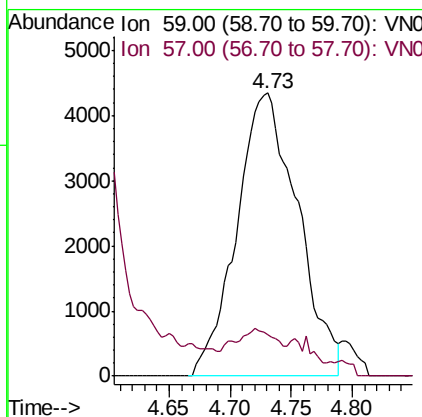
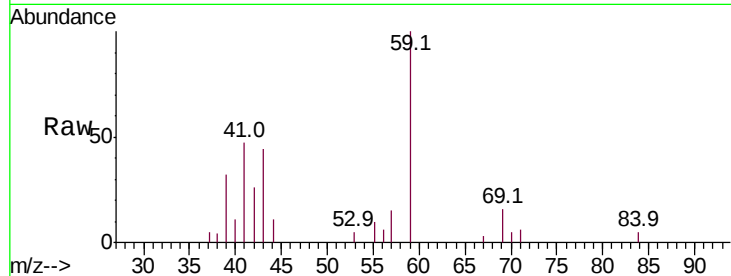




#11
Tert butyl alcohol
Concen: 24.956 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

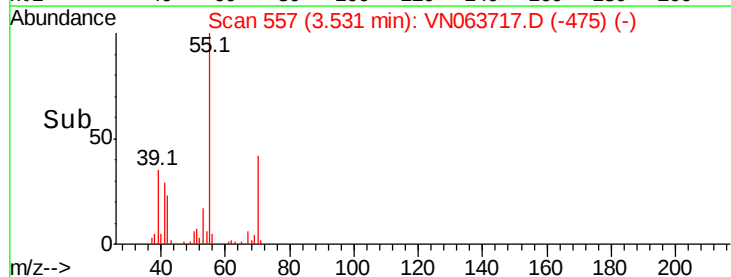
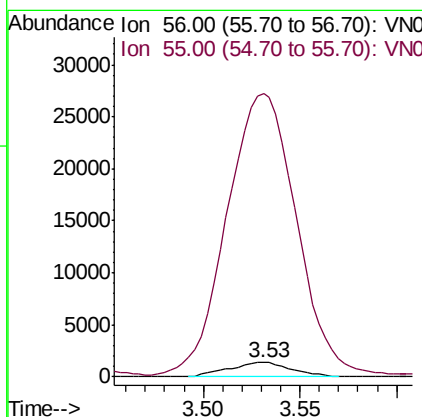
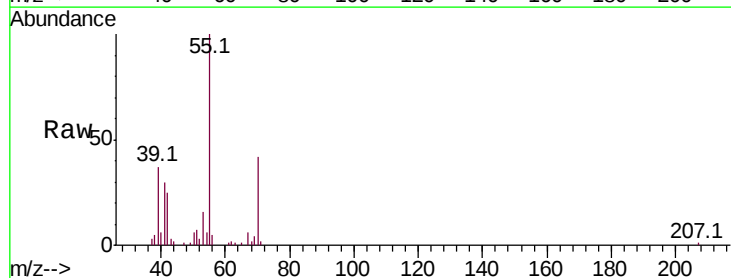
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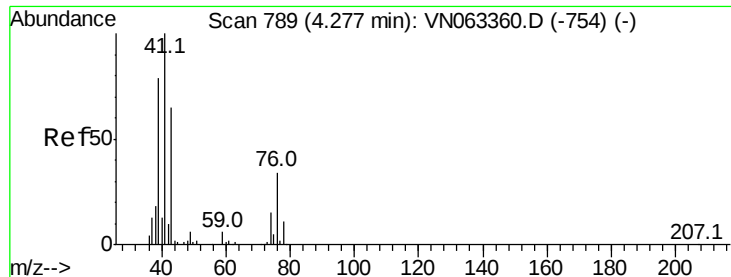
Tot Ion: 59 Resp: 15072
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 13.833 ug/l
RT: 3.53 min Scan# 557
Delta R.T. -0.03 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 56 Resp: 3096
Ion Ratio Lower Upper
56 100
55 2183.6 58.2 87.2#

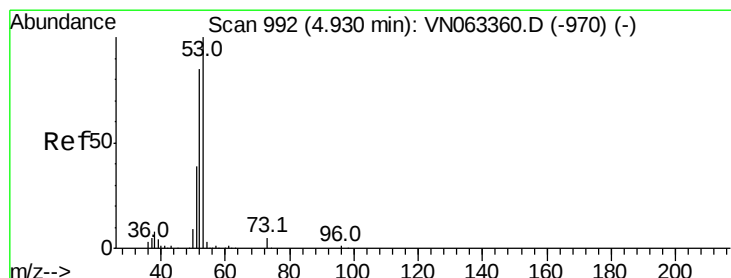
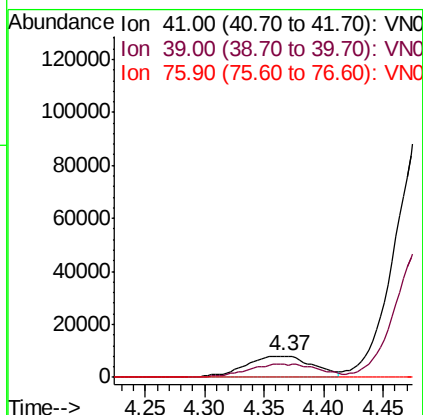
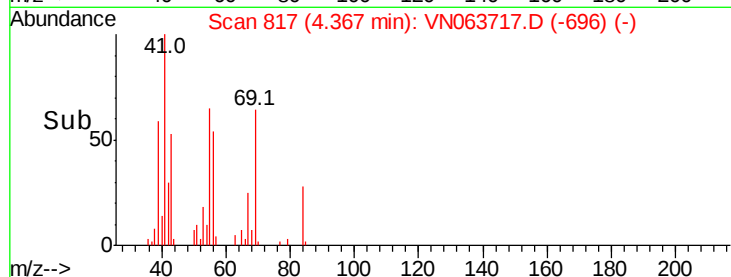
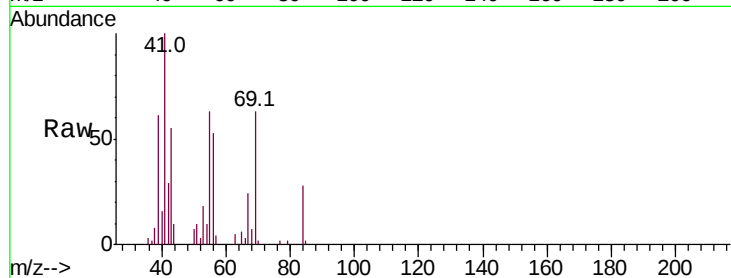




#14
Allvl chloride
Concen: 5.509 ug/l
RT: 4.37 min Scan# 817
Delta R.T. 0.09 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

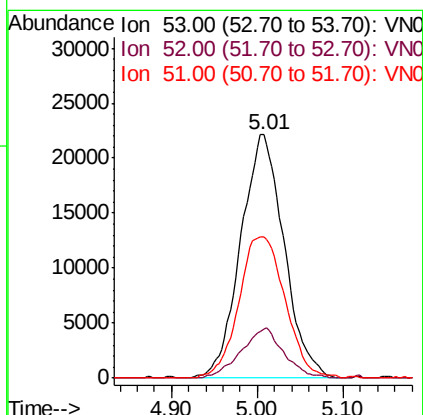
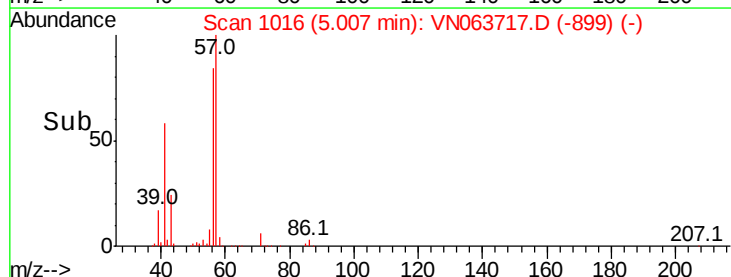
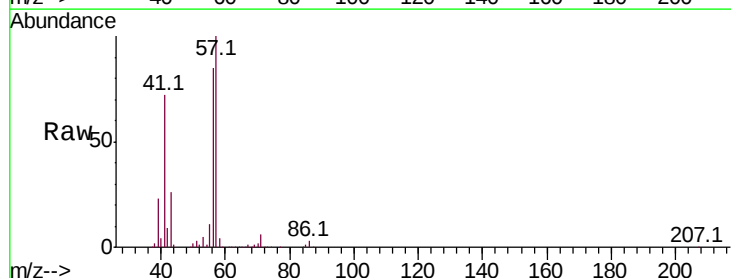
Instrument :
MSVOA_N
ClientSampled :
TP-5

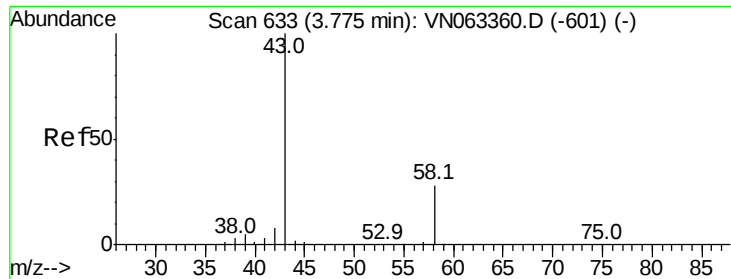
Tot Ion: 41 Resp: 31494
Ion Ratio Lower Upper
41 100
39 59.2 59.3 88.9#
76 0.0 25.3 37.9#



#15
Acrylonitrile
Concen: 50.489 ug/l
RT: 5.01 min Scan# 1016
Delta R.T. 0.08 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 53 Resp: 77562
Ion Ratio Lower Upper
53 100
52 20.1 66.4 99.6#
51 62.0 30.2 45.4#





#16

Acetone

Concen: 86.120 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

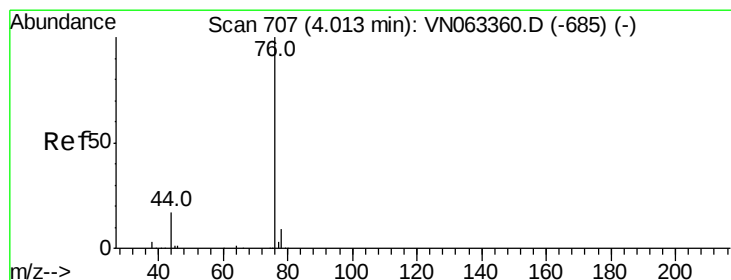
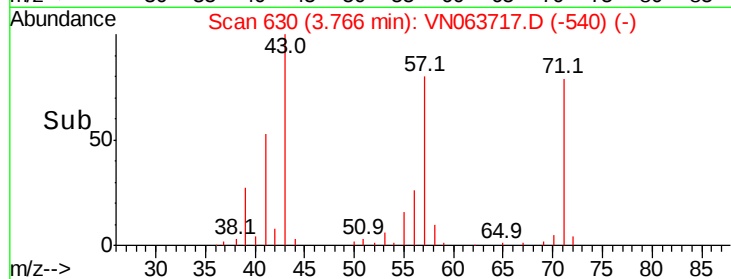
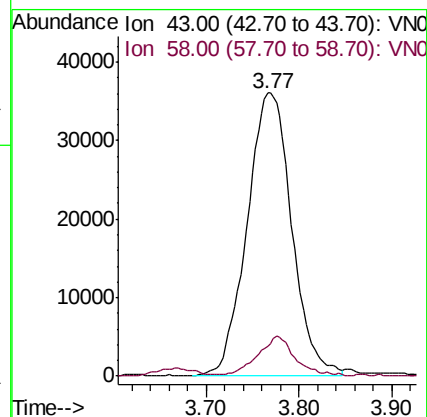
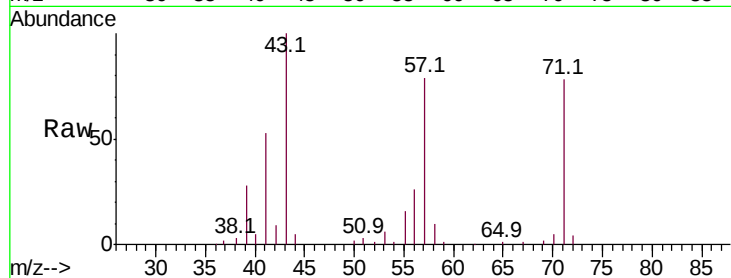
TP-5

Tot Ion: 43 Resp: 120658

Ion Ratio Lower Upper

43 100

58 9.6 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.934 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063717.D

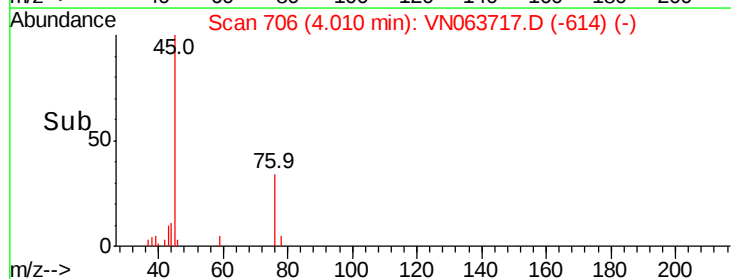
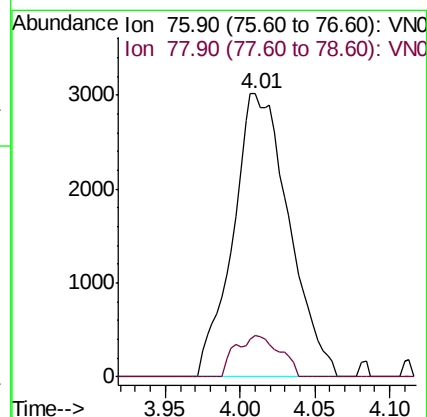
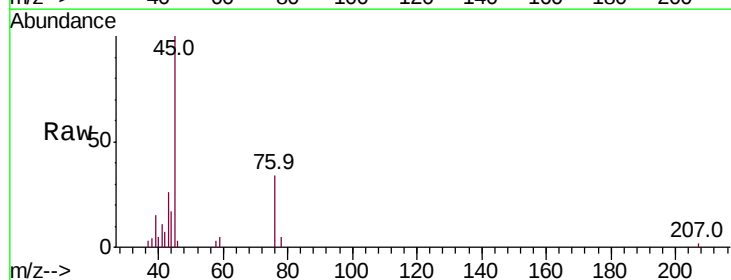
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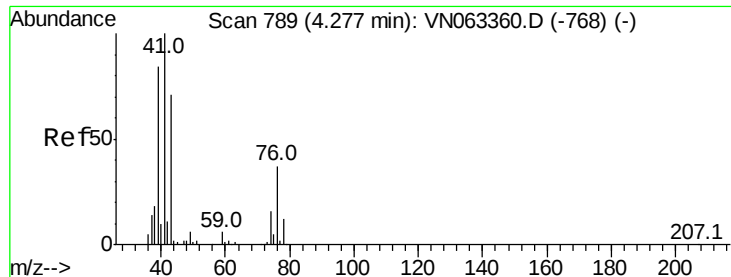
Tgt Ion: 76 Resp: 7853

Ion Ratio Lower Upper

76 100

78 14.8 7.2 10.8#

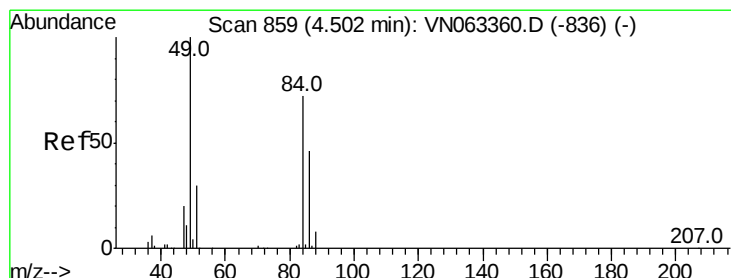
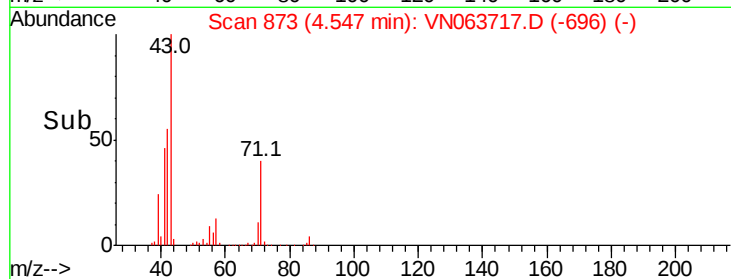
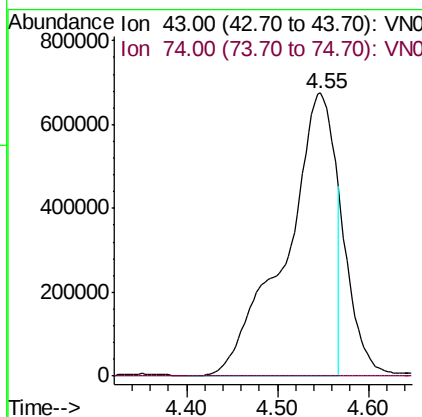
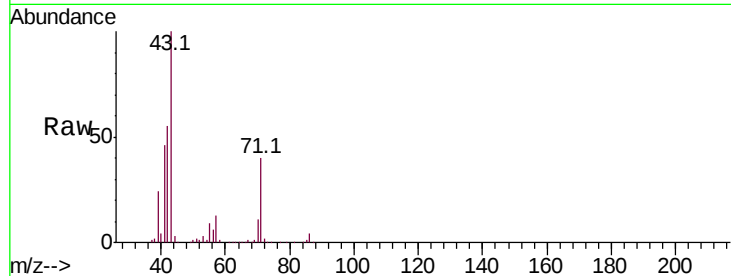




#18
Methyl Acetate
Concen: 707.879 ug/l
RT: 4.55 min Scan# 873
Delta R.T. 0.27 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

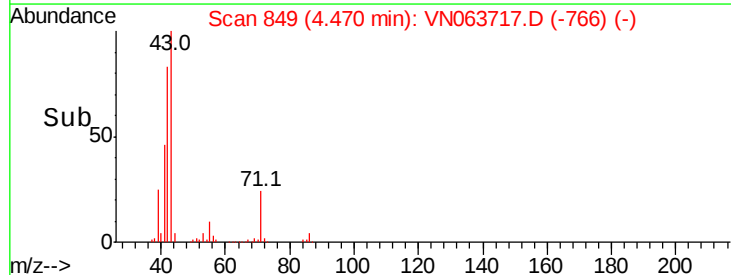
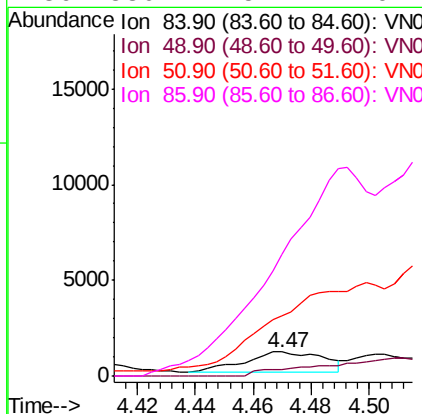
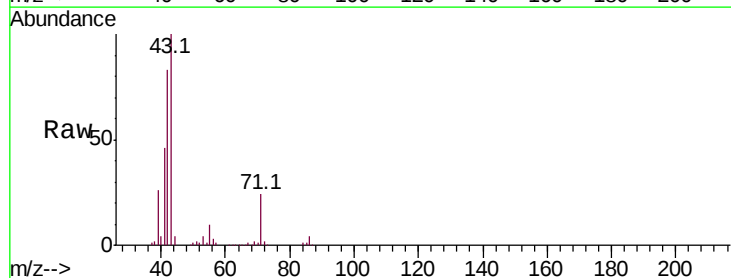
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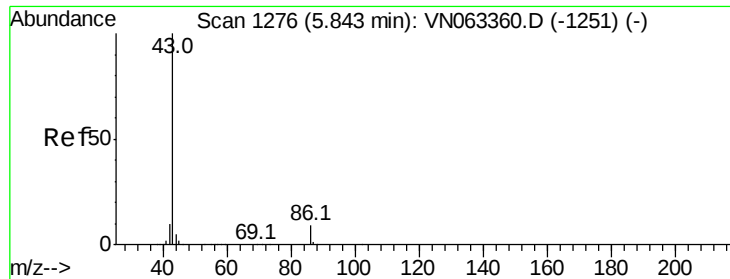
Tot Ion: 43 Resp: 2517738
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.552 ug/l
RT: 4.47 min Scan# 849
Delta R.T. -0.03 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 84 Resp: 1961
Ion Ratio Lower Upper
84 100
49 32.0 110.7 166.1#
51 251.4 32.9 49.3#
86 530.4 51.1 76.7#





#23

Vinyl Acetate

Concen: 2.798 ug/l

RT: 5.88 min Scan# 1286

Delta R.T. 0.03 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

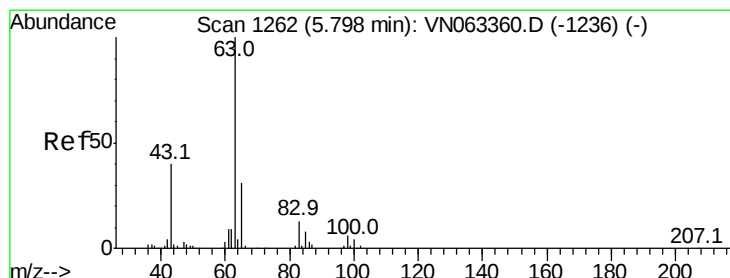
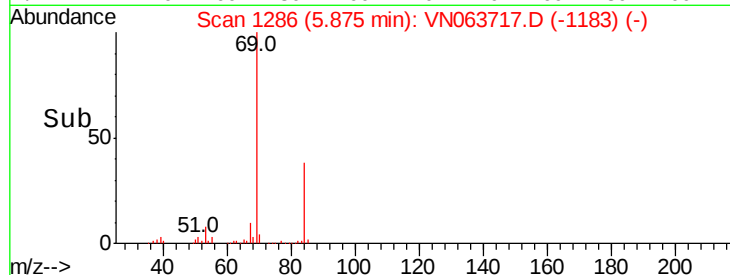
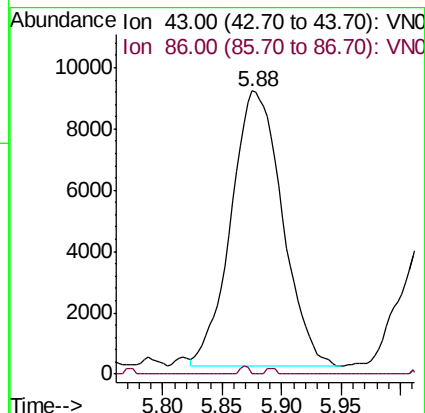
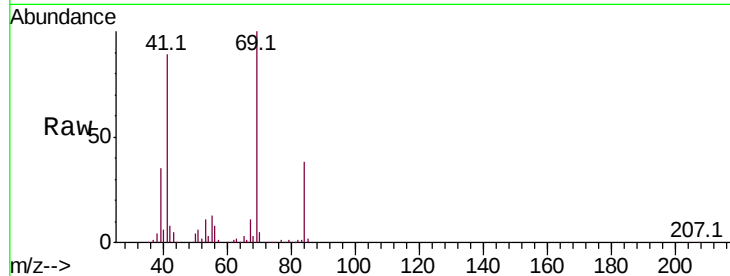
TP-5

Tot Ion: 43 Resp: 26788

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 1.649 ug/l

RT: 5.88 min Scan# 1289

Delta R.T. 0.09 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

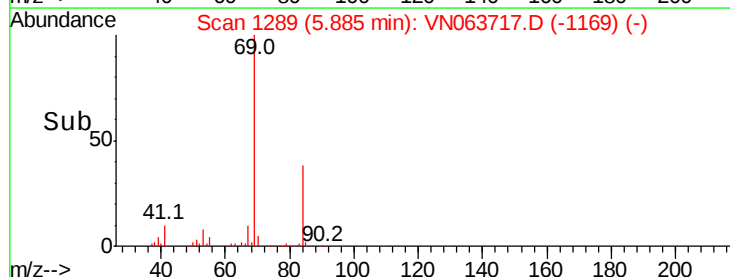
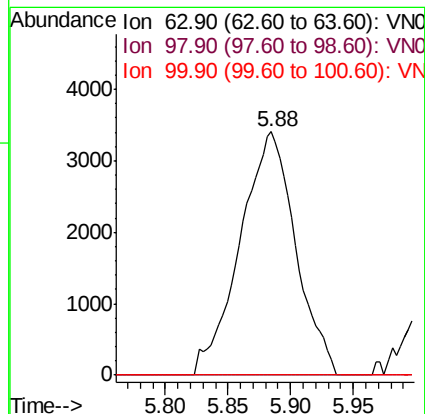
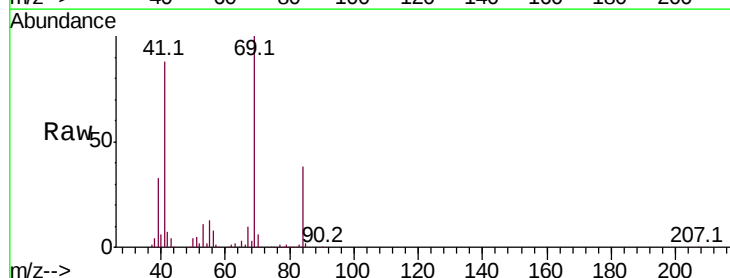
Tgt Ion: 63 Resp: 10494

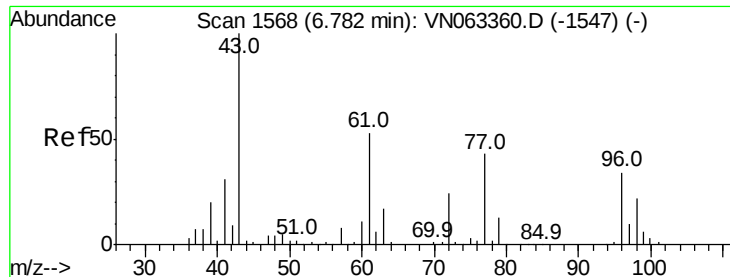
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 14.448 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

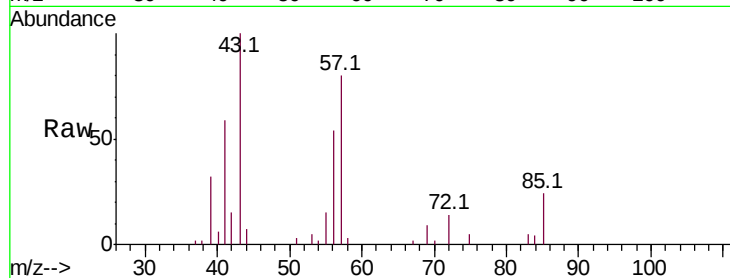
TP-5

Tot Ion: 43 Resp: 31132

Ion Ratio Lower Upper

43 100

72 14.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1547) (-)

Ion 72.00 (71.70 to 72.70): VN063360.D (-1547) (-)

6.79

8000

6000

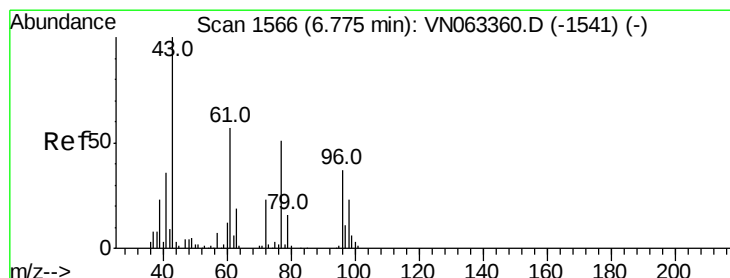
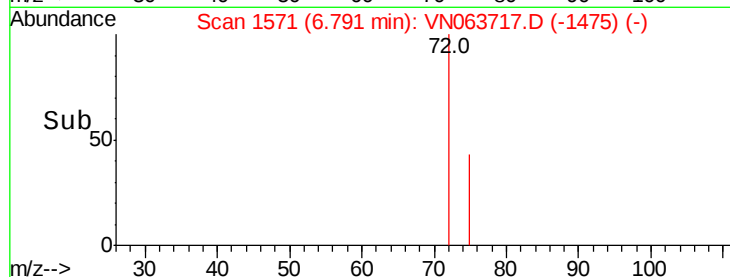
4000

2000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 3.932 ug/l

RT: 6.59 min Scan# 1508

Delta R.T. -0.19 min

Lab File: VN063717.D

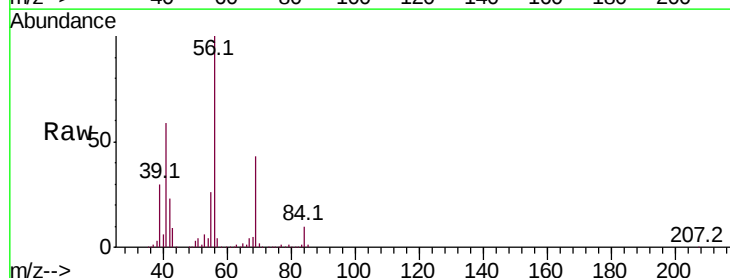
Acq: 28 Sep 2020 19:56

Tgt Ion: 77 Resp: 22033

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN063717.D (-1473) (-)

Ion 96.90 (96.60 to 97.60): VN063717.D (-1473) (-)

6.59

6000

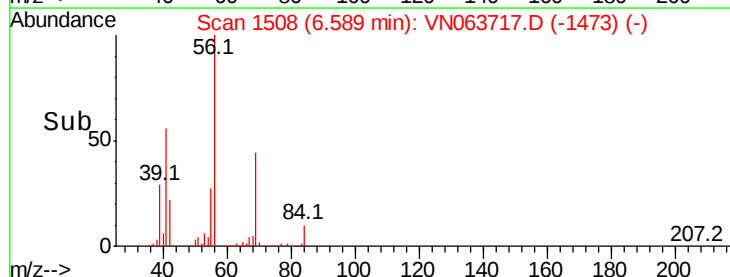
4000

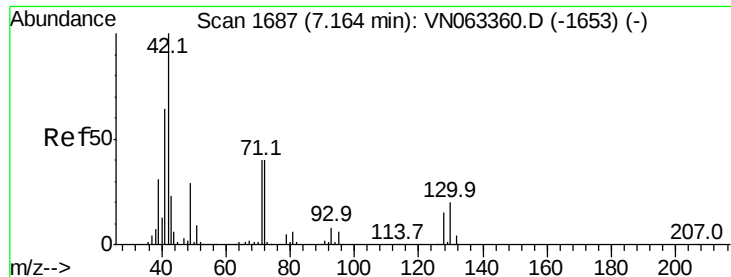
2000

0

6.50 6.55 6.60 6.65

Time-->





#29

Tetrahydrofuran

Concen: 1.740 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

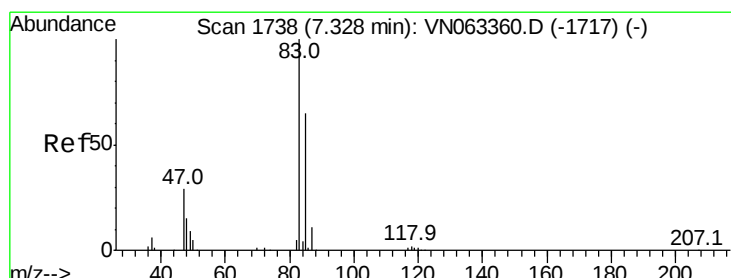
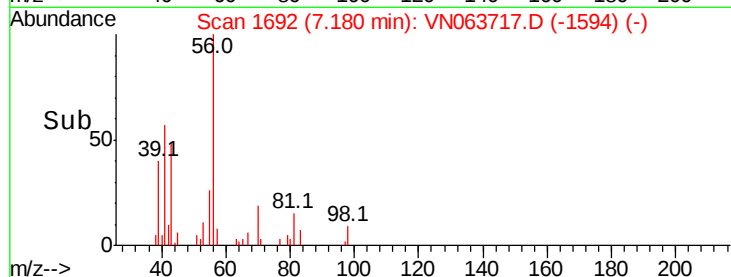
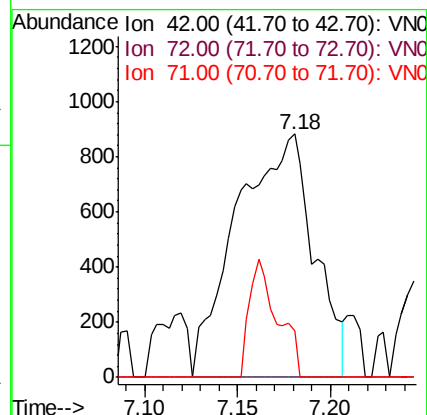
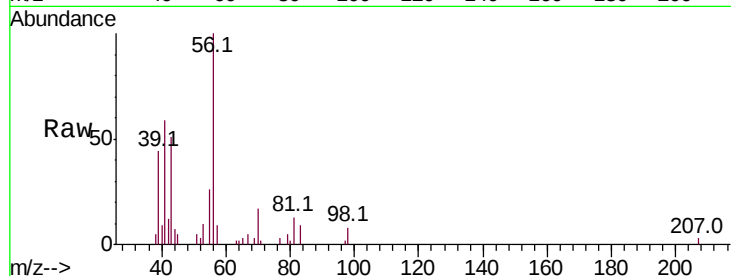
Tot Ion: 42 Resp: 2561

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 0.0 31.2 46.8#



#30

Chloroform

Concen: 1.695 ug/l

RT: 7.35 min Scan# 1744

Delta R.T. 0.02 min

Lab File: VN063717.D

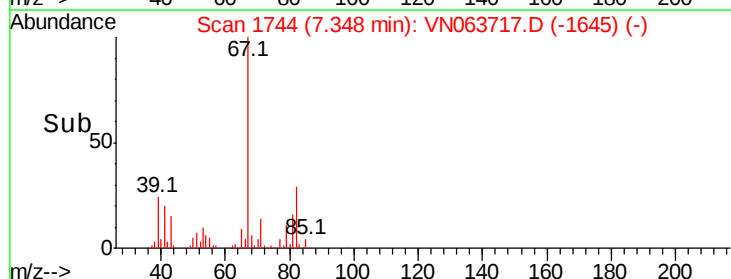
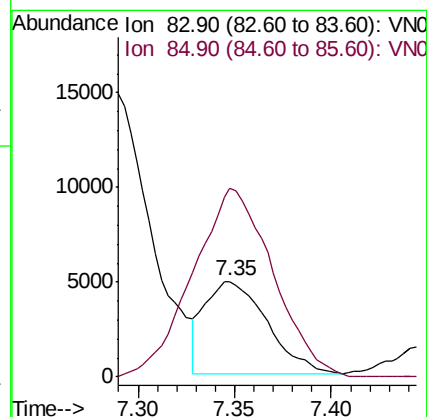
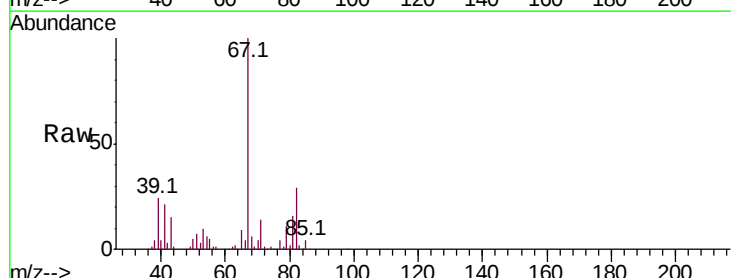
Acq: 28 Sep 2020 19:56

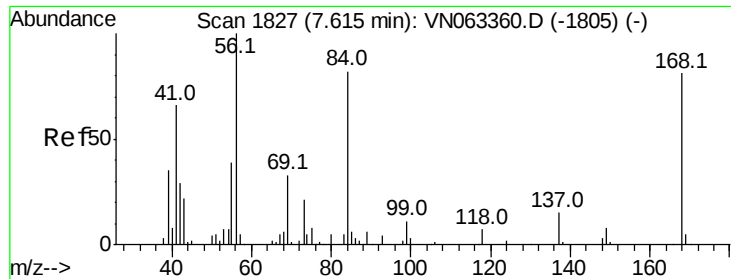
Tgt Ion: 83 Resp: 10826

Ion Ratio Lower Upper

83 100

85 201.1 52.1 78.1#

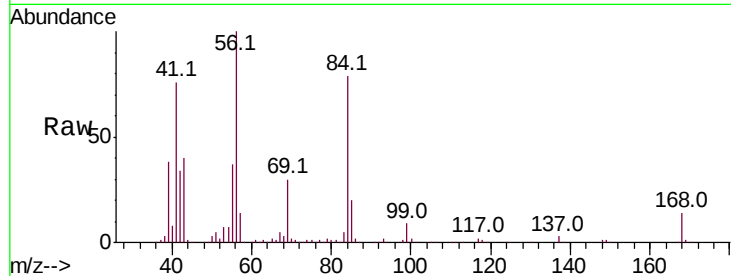




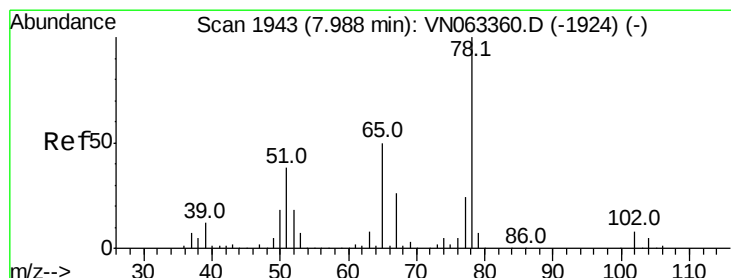
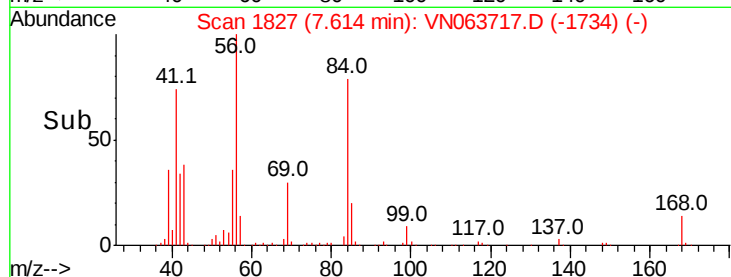
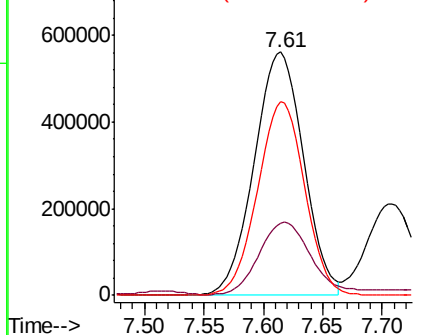
#31
Cyclohexane
Concen: 266.681 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-5

Tot Ion: 56 Resp: 1605637
Ion Ratio Lower Upper
56 100
69 29.0 26.1 39.1
84 79.5 65.4 98.2

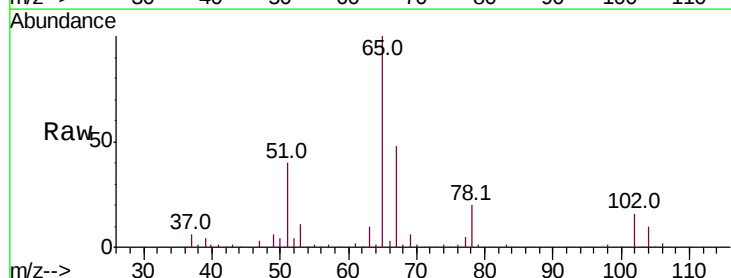


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

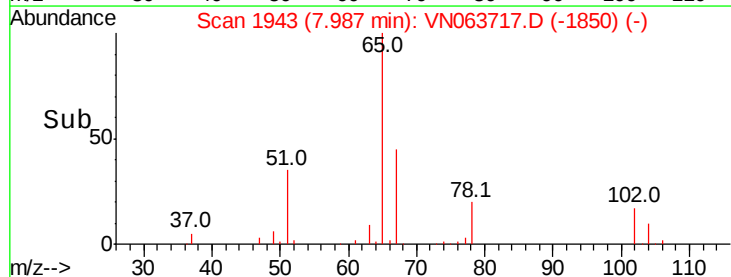
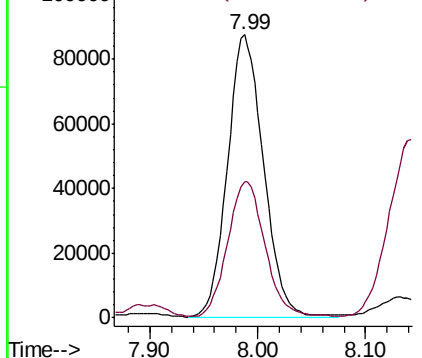


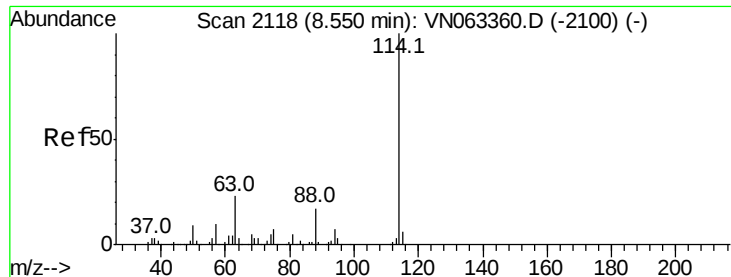
#33
1,2-Dichloroethane-d4
Concen: 46.175 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 65 Resp: 201295
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.2



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

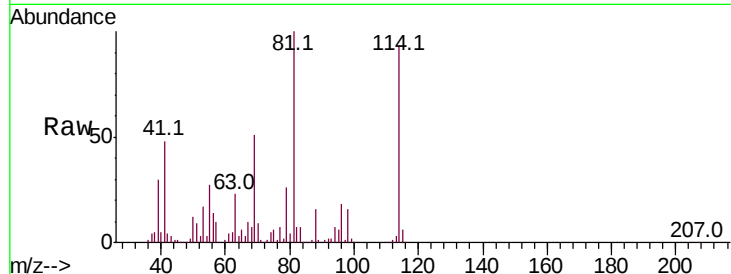




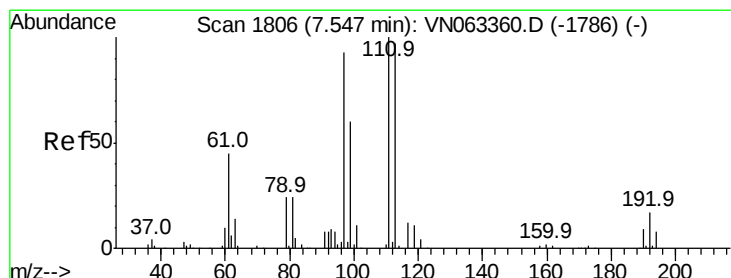
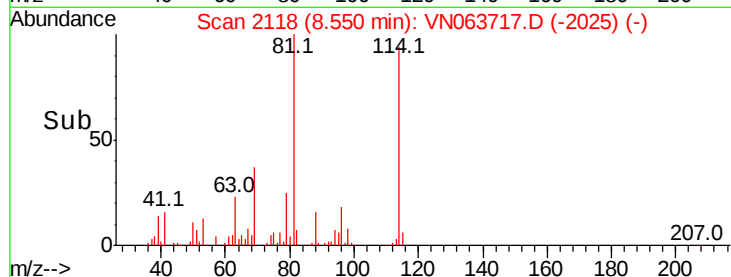
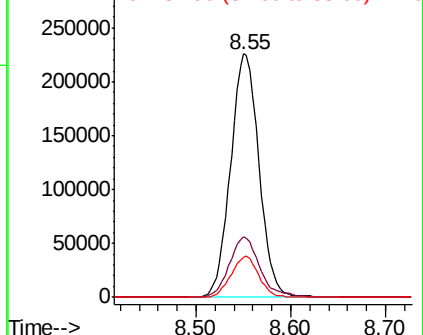
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tot Ion:114 Resp: 471420
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.4
 88 16.7 0.0 33.2

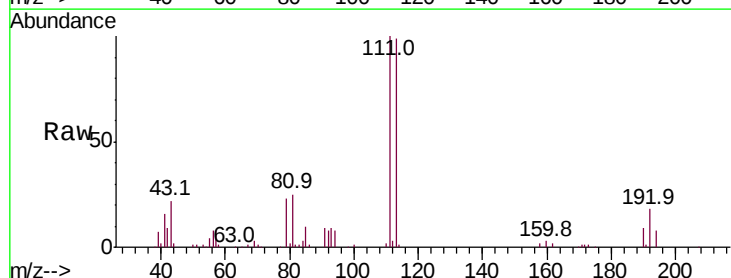


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

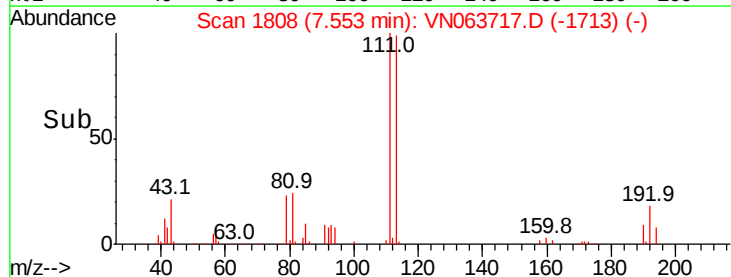
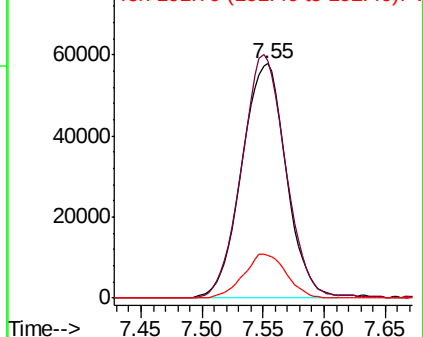


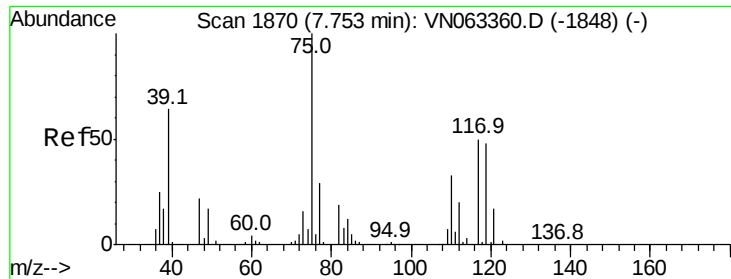
#35
 Dibromofluoromethane
 Concen: 44.802 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Tgt Ion:113 Resp: 146214
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 18.0 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: 5.024 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-5

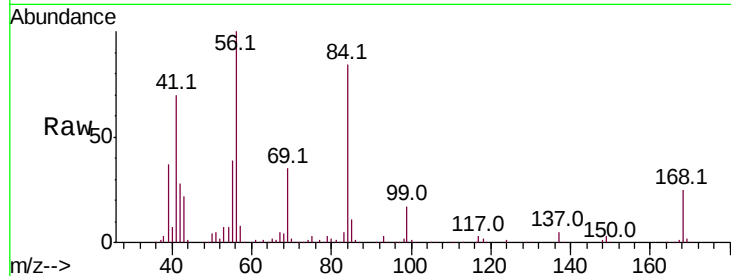
Tot Ion: 75 Resp: 25233

Ion Ratio Lower Upper

75 100

110 9.4 16.5 49.5#

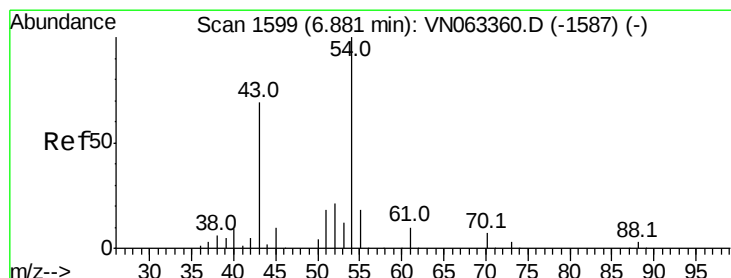
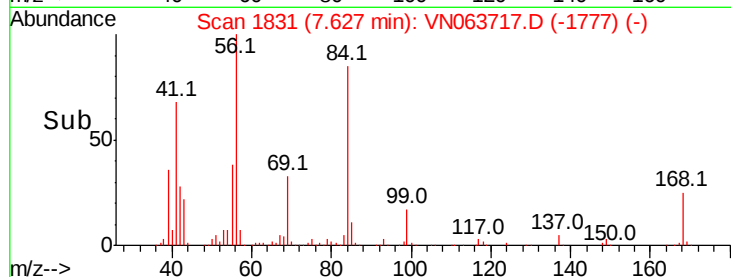
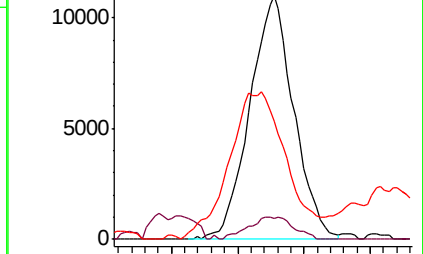
77 78.6 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#37

Ethyl Acetate

Concen: 6.316 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. -0.09 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

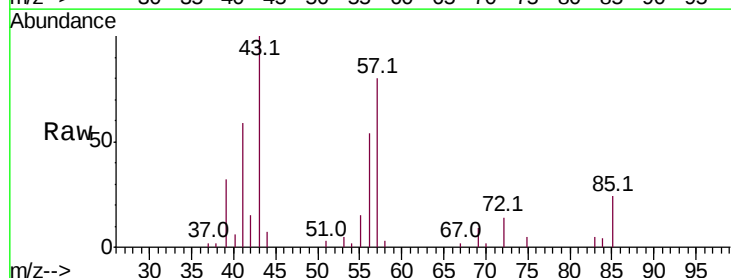
Tgt Ion: 43 Resp: 31132

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

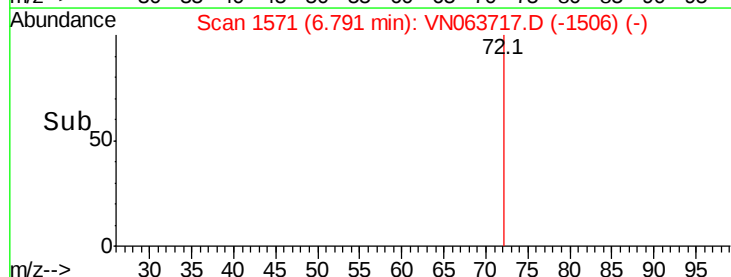
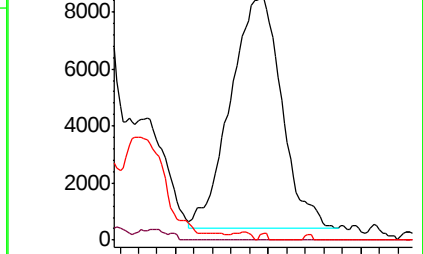
70 0.0 7.2 10.8#

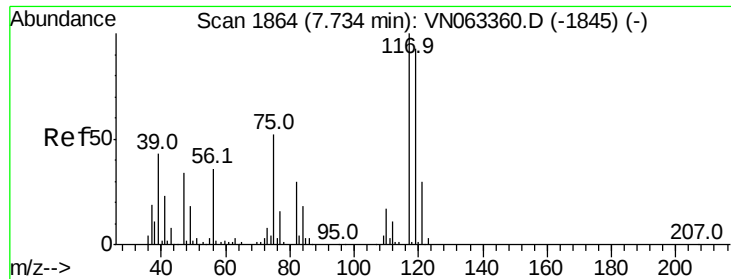


Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063360.D (-1587) (-)





#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

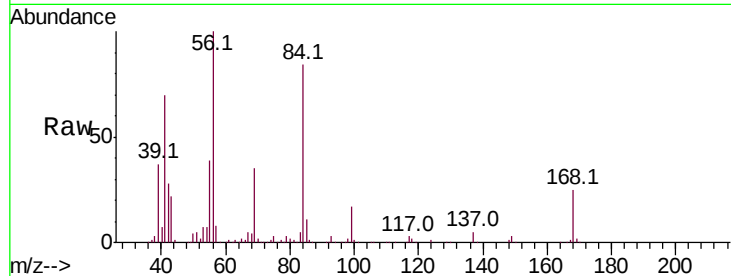
Tot Ion:117 Resp: 28417

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

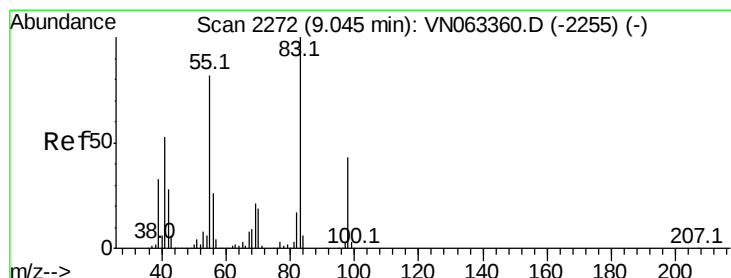
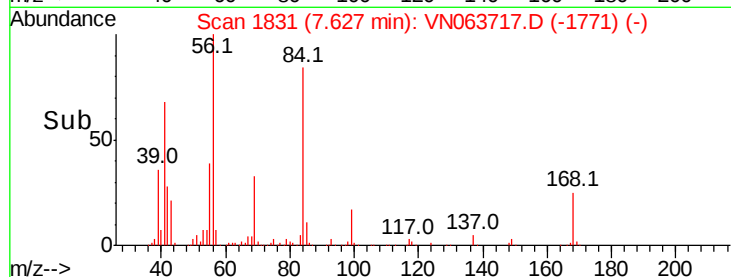
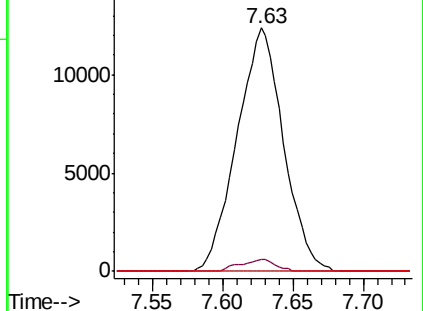
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 326.394 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

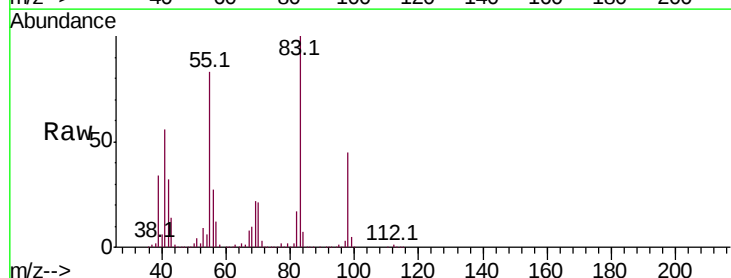
Tgt Ion: 83 Resp: 1779119

Ion Ratio Lower Upper

83 100

55 82.8 65.5 98.3

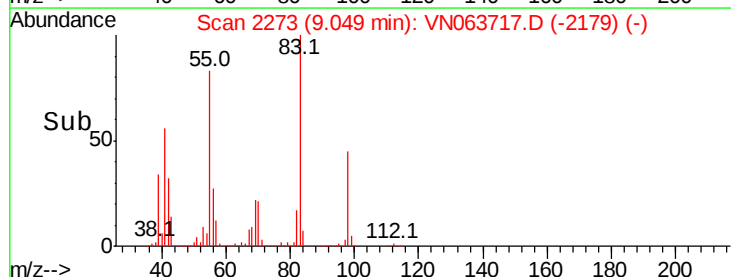
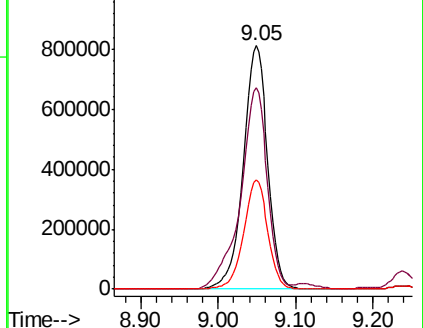
98 44.9 34.2 51.4

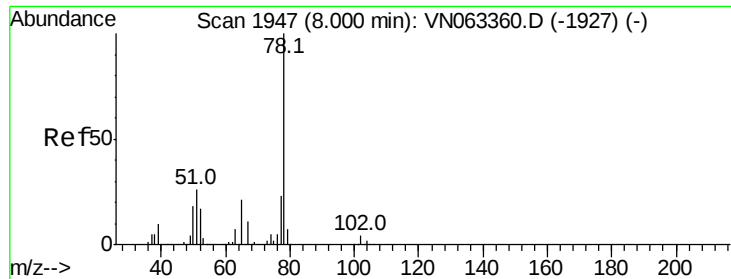


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 5.451 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

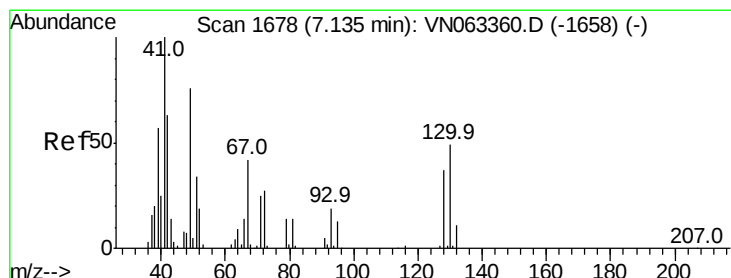
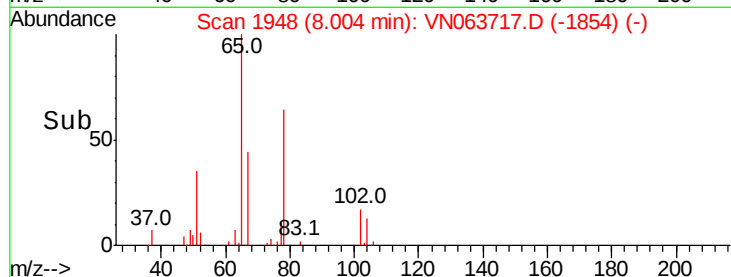
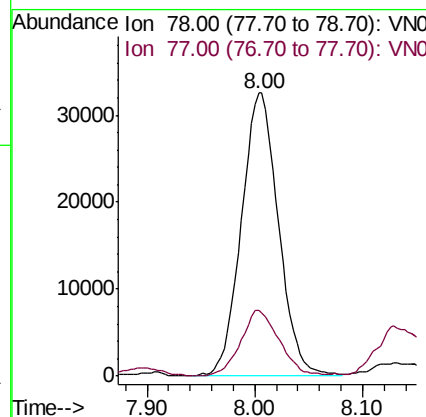
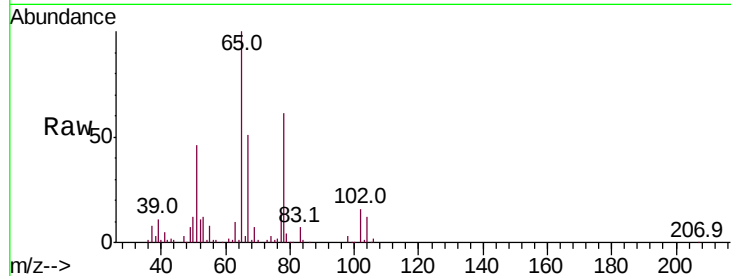
TP-5

Tot Ion: 78 Resp: 78155

Ion Ratio Lower Upper

78 100

77 23.4 18.3 27.5



#41

Methacrylonitrile

Concen: 6.869 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Tgt Ion: 41 Resp: 15228

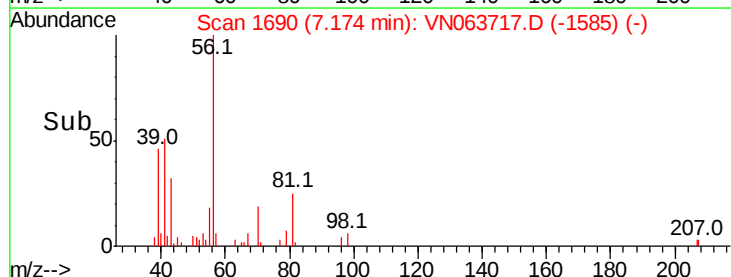
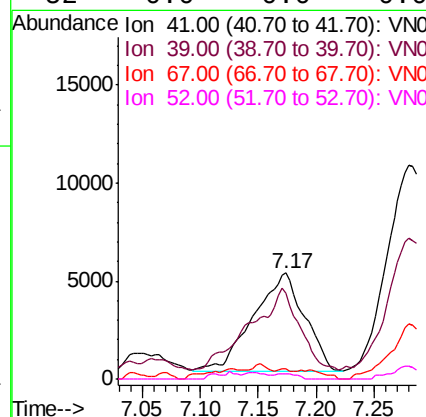
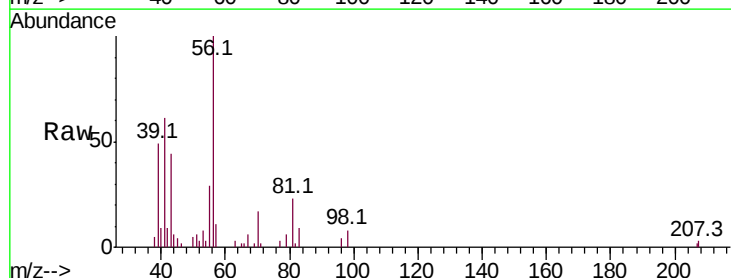
Ion Ratio Lower Upper

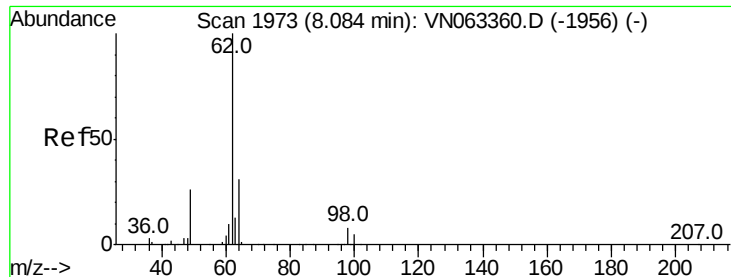
41 100

39 78.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 0.809 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.04 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

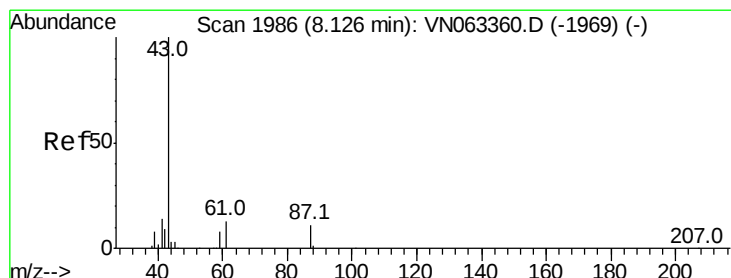
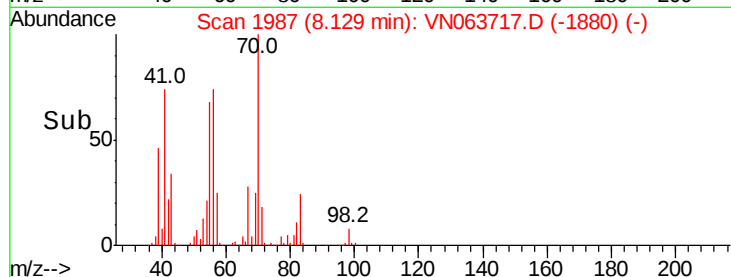
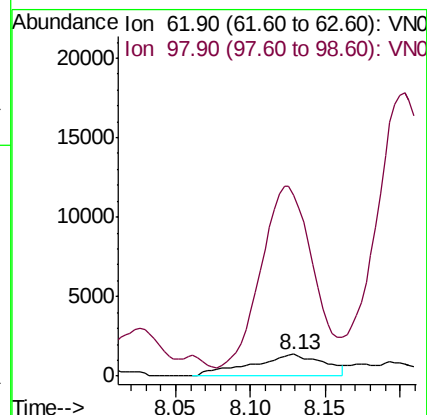
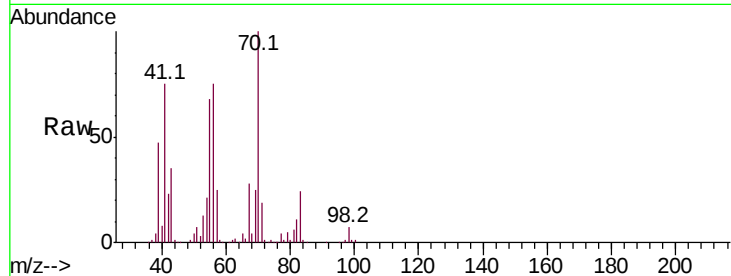
TP-5

Tot Ion: 62 Resp: 4664

Ion Ratio Lower Upper

62 100

98 582.6 0.0 15.6#



#43

Isopropyl Acetate

Concen: 18.024 ug/l

RT: 8.12 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

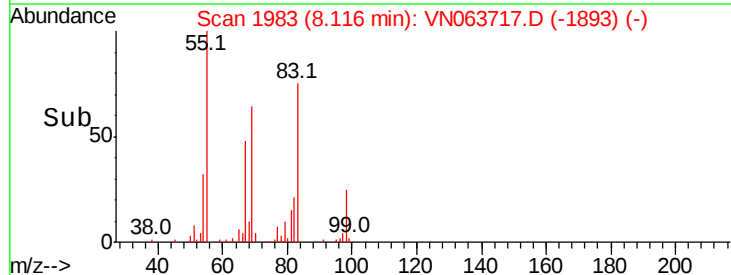
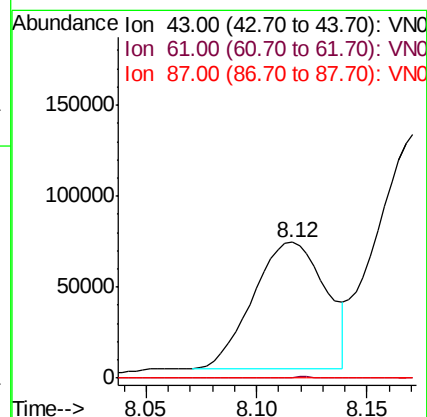
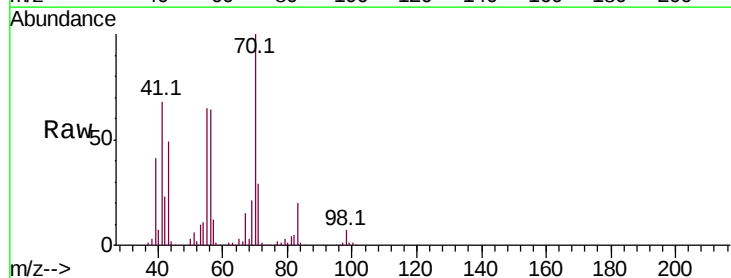
Tgt Ion: 43 Resp: 158864

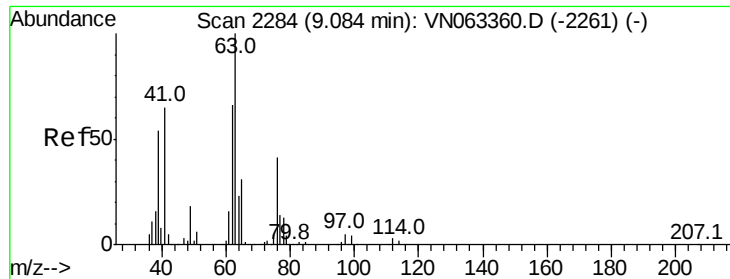
Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.2#

87 0.0 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 6.142 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

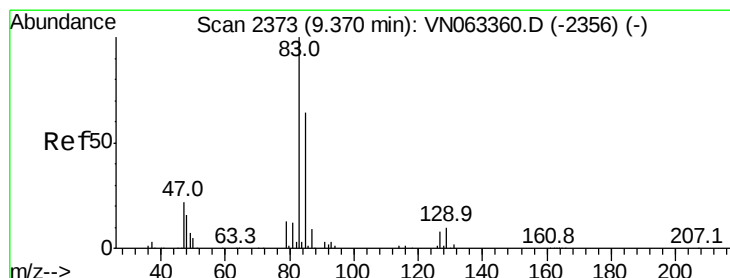
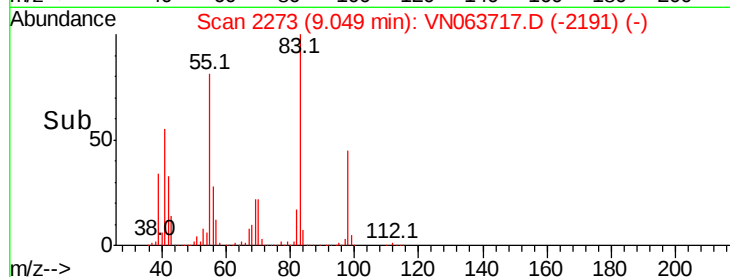
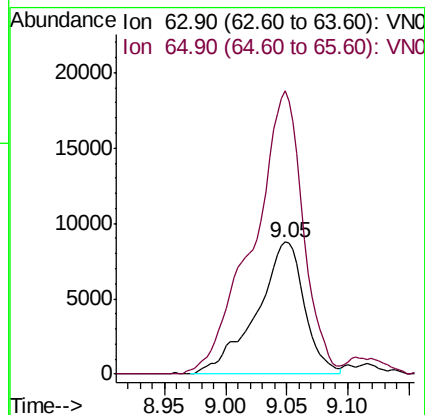
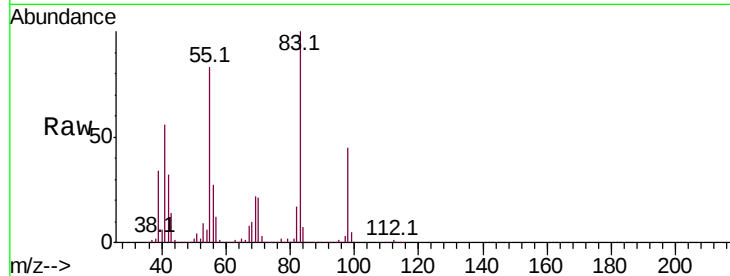
TP-5

Tot Ion: 63 Resp: 23982

Ion Ratio Lower Upper

63 100

65 211.9 25.0 37.6#



#47

Bromodichloromethane

Concen: 3.769 ug/l

RT: 9.35 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

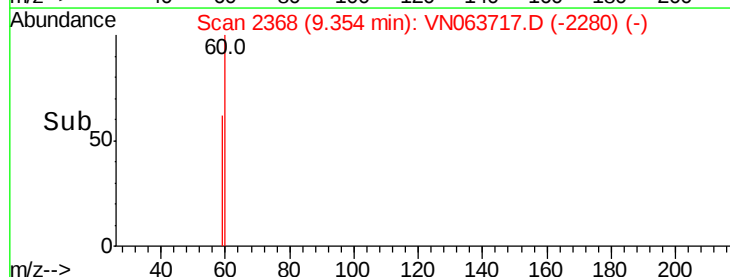
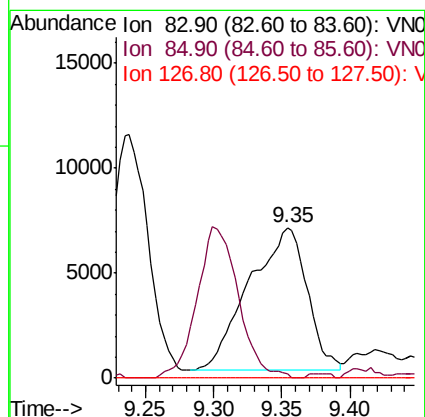
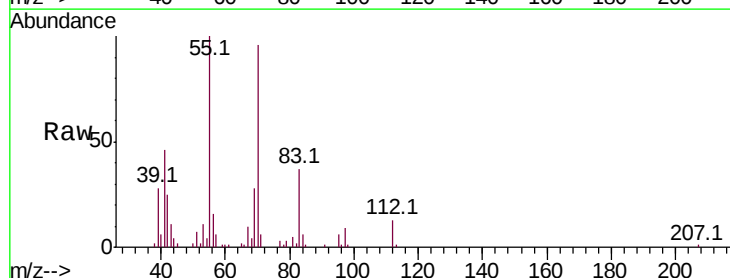
Tgt Ion: 83 Resp: 20096

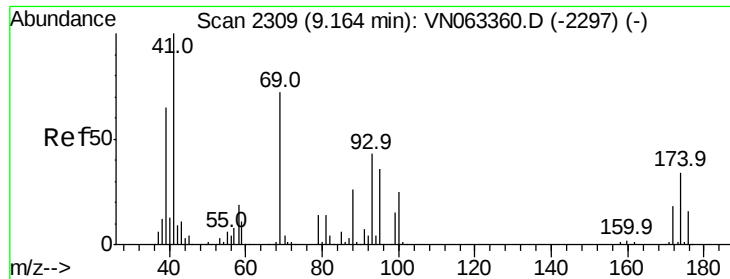
Ion Ratio Lower Upper

83 100

85 2.6 51.0 76.6#

127 0.0 6.3 9.5#

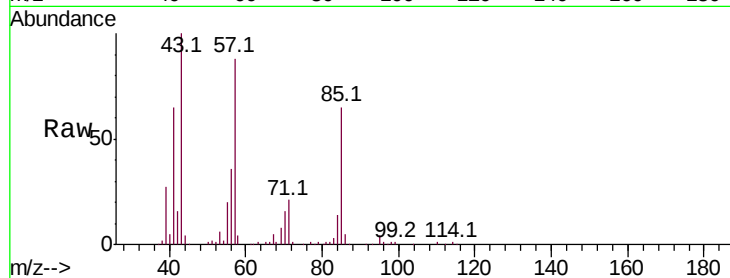




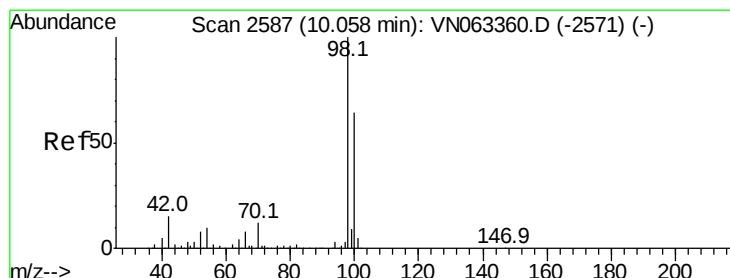
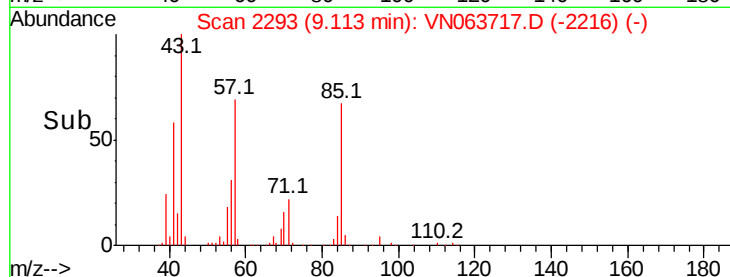
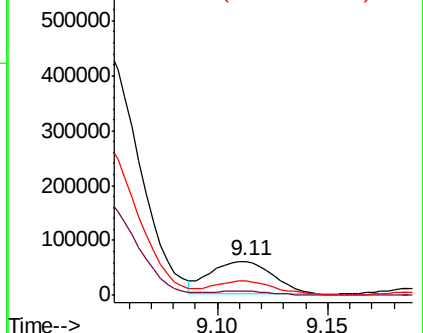
#48
Methyl methacrylate
Concen: 27.520 ug/l
RT: 9.11 min Scan# 2293
Delta R.T. -0.05 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-5

Tot Ion: 41 Resp: 119171
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 39.1 52.9 79.3#

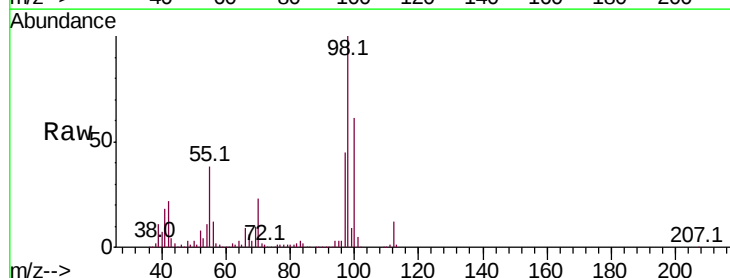


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

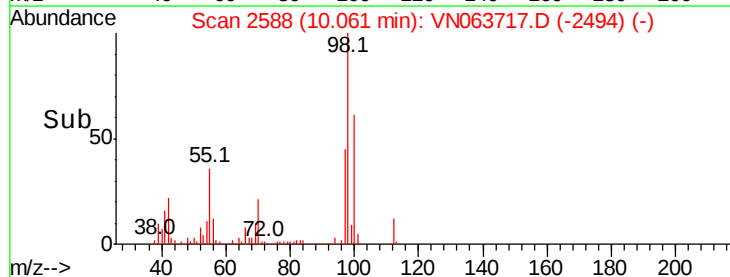
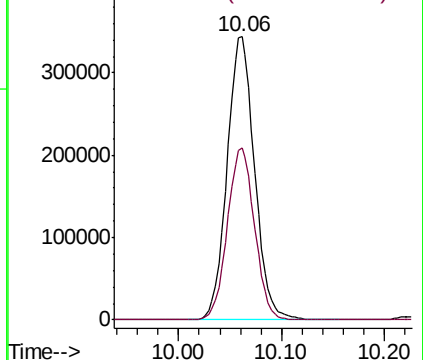


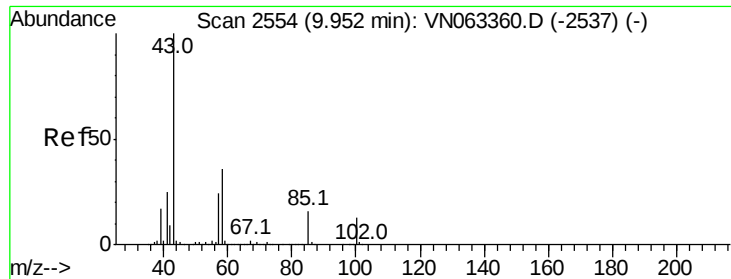
#50
Toluene-d8
Concen: 51.922 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 98 Resp: 637157
Ion Ratio Lower Upper
98 100
100 60.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 6.442 ug/l

RT: 9.99 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

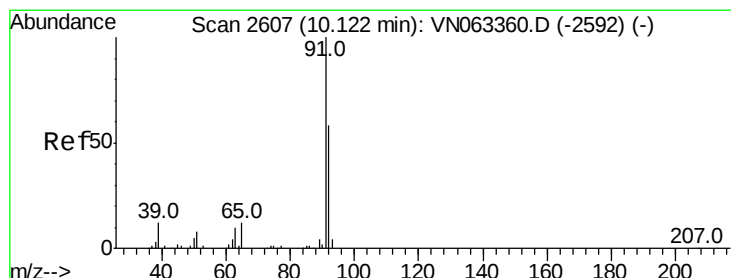
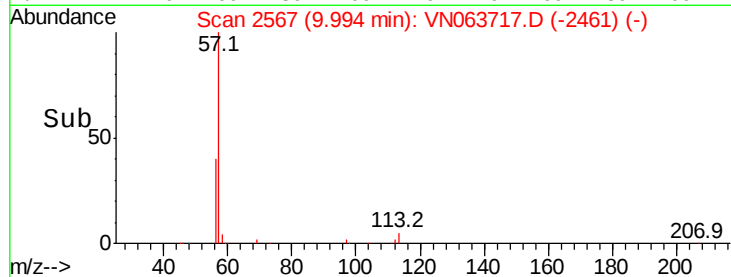
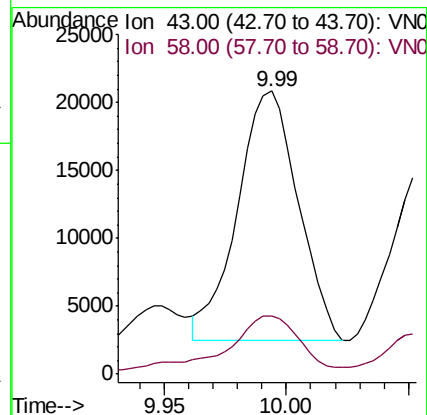
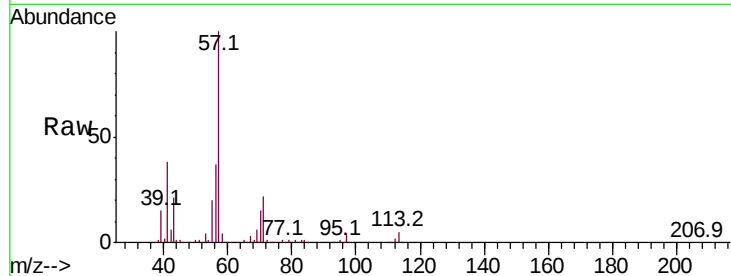
TP-5

Tot Ion: 43 Resp: 31787

Ion Ratio Lower Upper

43 100

58 31.1 29.0 43.6



#52

Toluene

Concen: 5.750 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063717.D

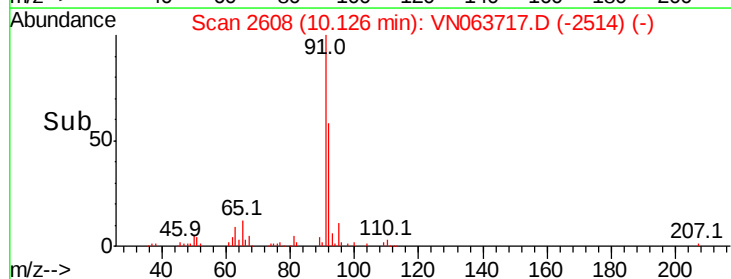
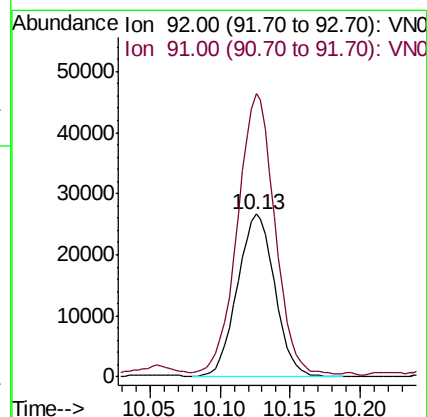
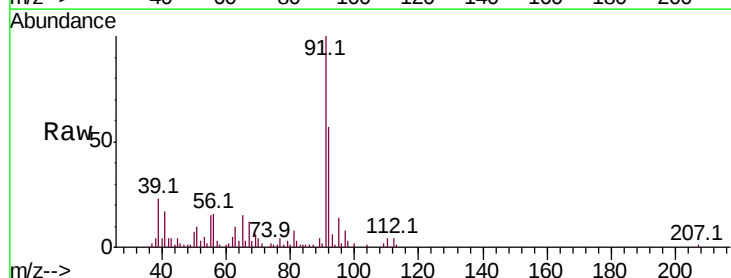
Acq: 28 Sep 2020 19:56

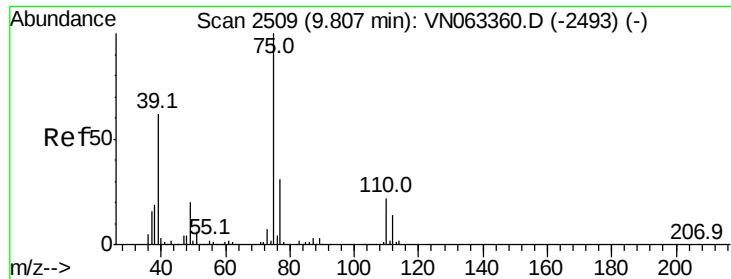
Tgt Ion: 92 Resp: 49562

Ion Ratio Lower Upper

92 100

91 171.4 139.7 209.5





#54

cis-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 9.93 min Scan# 2548

Delta R.T. 0.13 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

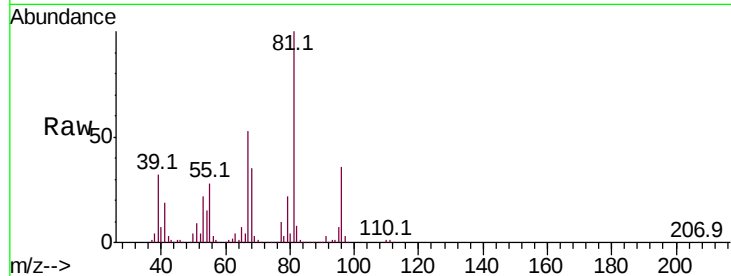
Tot Ion: 75 Resp: 1387

Ion Ratio Lower Upper

75 100

77 2669.1 24.6 37.0#

39 8628.7 49.8 74.8#

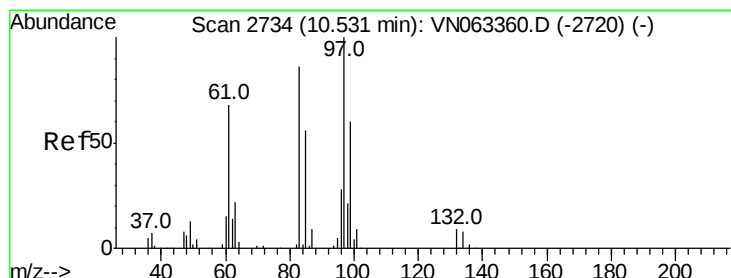
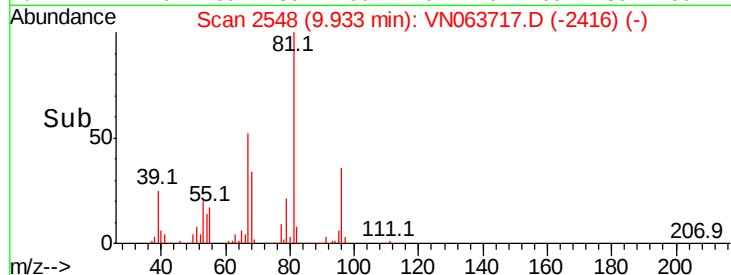
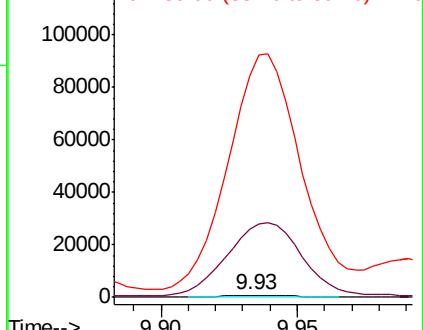


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 40.721 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Tgt Ion: 97 Resp: 139421

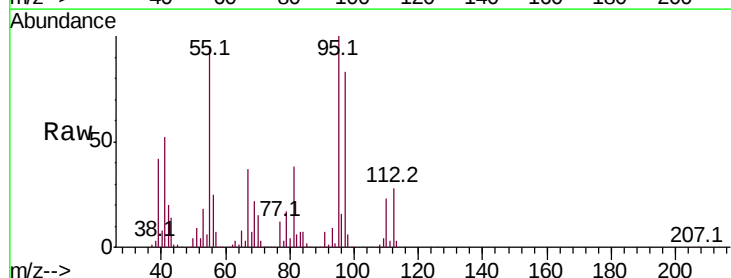
Ion Ratio Lower Upper

97 100

83 7.7 68.9 103.3#

85 2.7 44.8 67.2#

99 0.3 47.8 71.8#



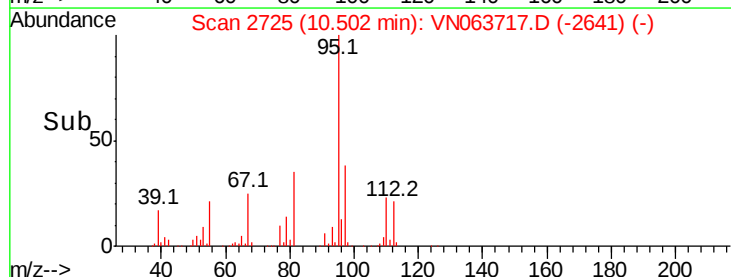
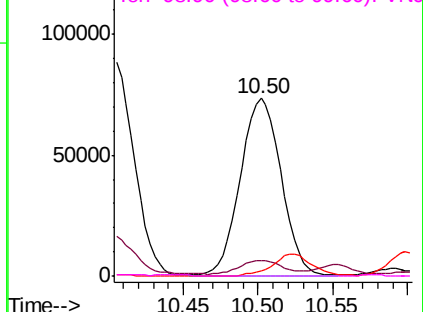
Abundance

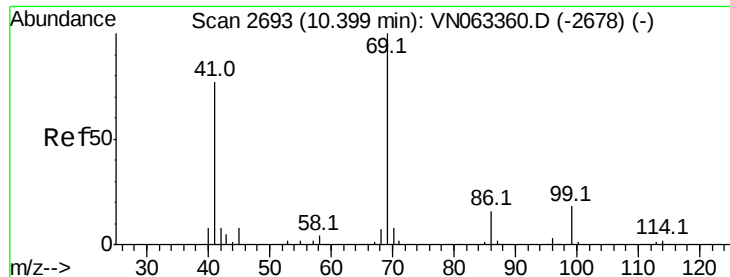
Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

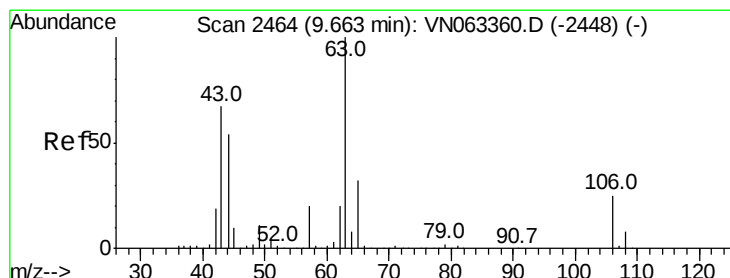
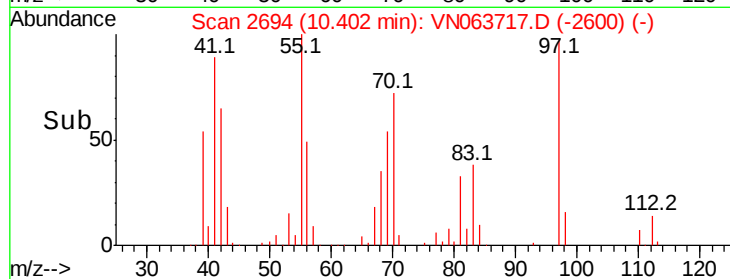
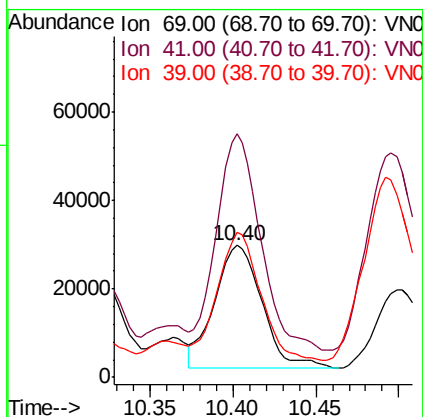
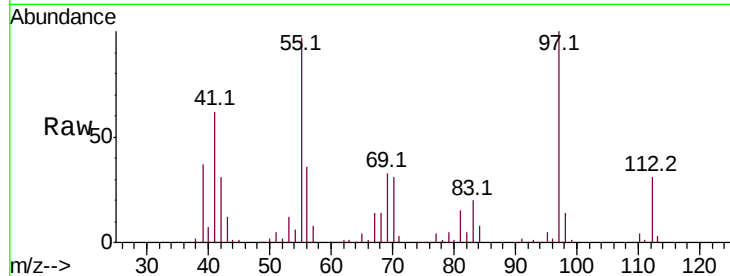




#56
Ethyl methacrylate
Concen: 10.400 ug/l
RT: 10.40 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

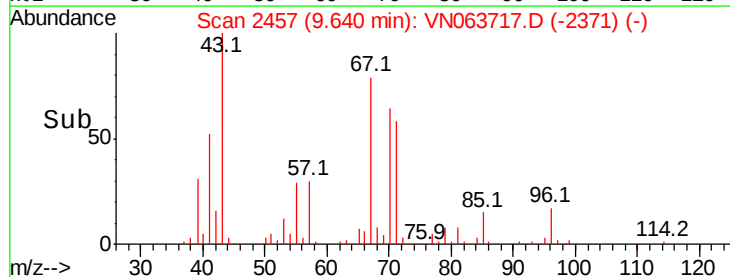
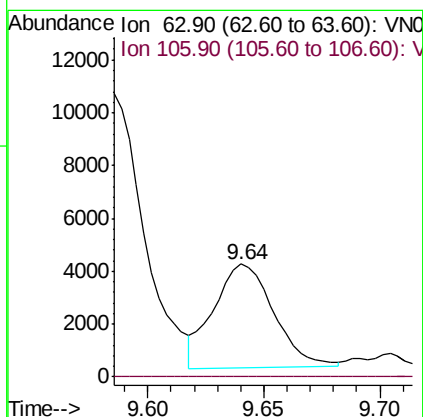
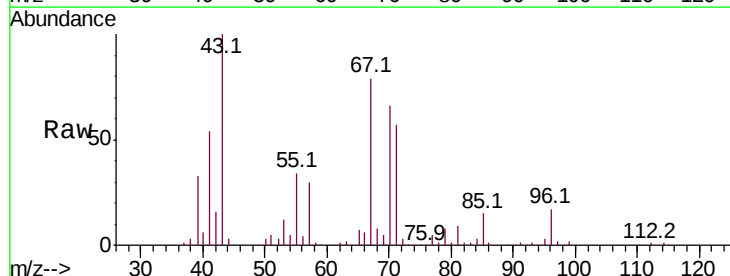
Instrument :
MSVOA_N
ClientSampled :
TP-5

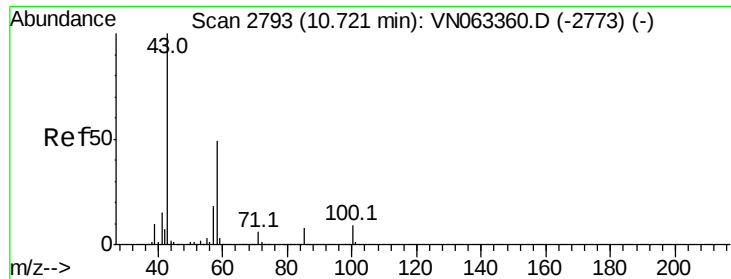
Tot Ion: 69 Resp: 55590
Ion Ratio Lower Upper
69 100
41 161.9 61.0 91.6#
39 99.6 39.2 58.8#



#58
2-Chloroethyl Vinyl ether
Concen: 2.522 ug/l
RT: 9.64 min Scan# 2457
Delta R.T. -0.02 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 63 Resp: 7070
Ion Ratio Lower Upper
63 100
106 0.0 19.5 29.3#





#59

2-Hexanone

Concen: 23.925 ug/l

RT: 10.69 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

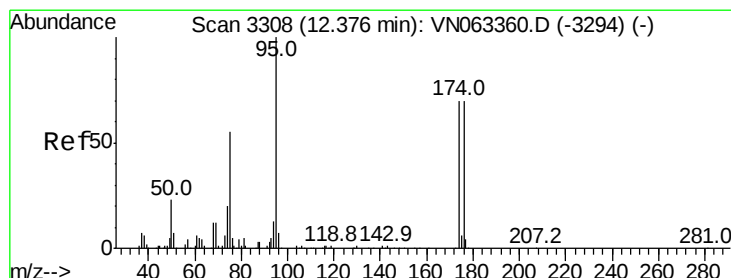
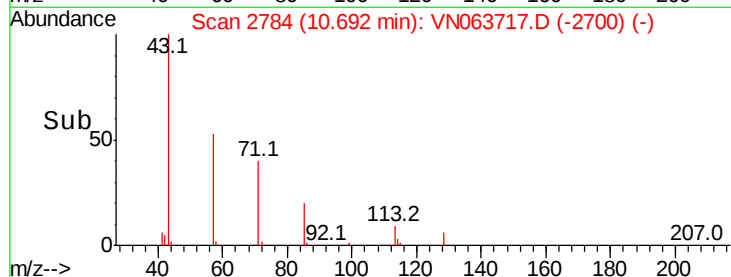
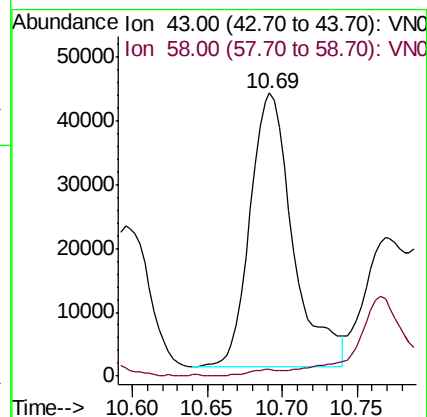
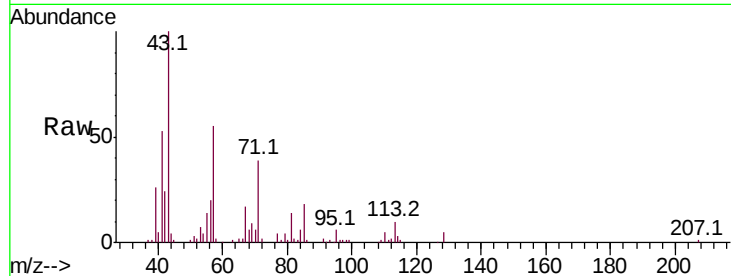
TP-5

Tot Ion: 43 Resp: 85527

Ion Ratio Lower Upper

43 100

58 1.9 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 60.814 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

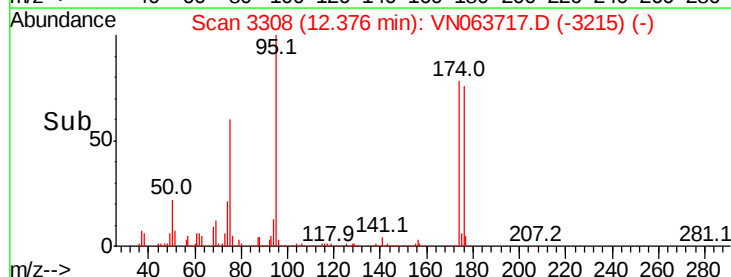
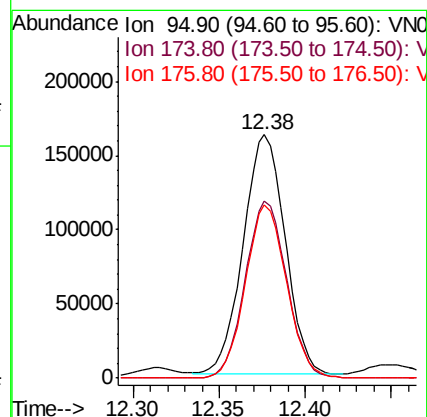
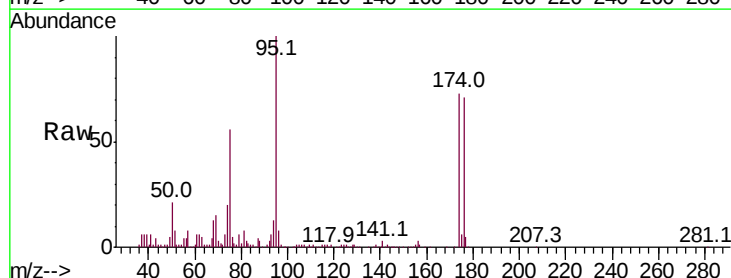
Tgt Ion: 95 Resp: 273571

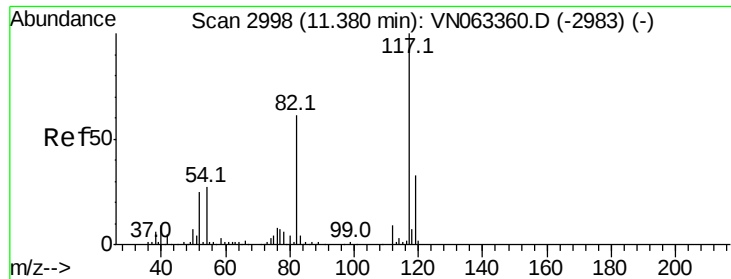
Ion Ratio Lower Upper

95 100

174 73.2 0.0 140.8

176 71.0 0.0 137.6

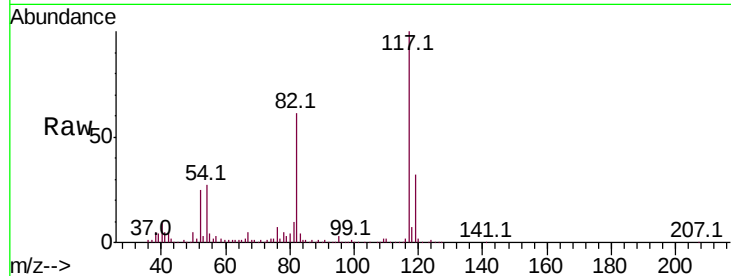




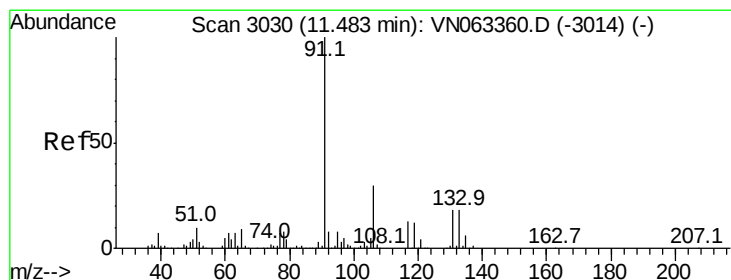
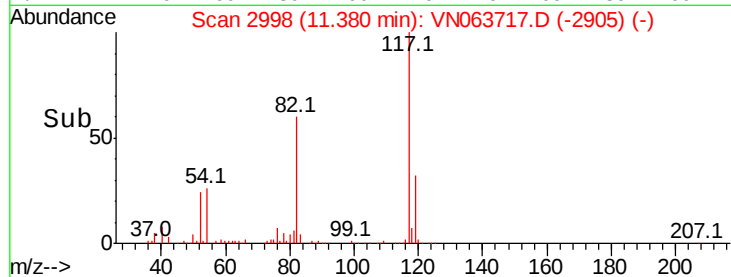
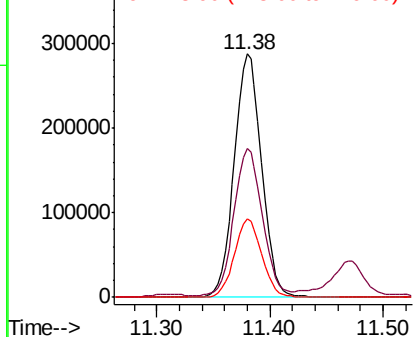
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.2	73.8
119	32.2	26.2	39.4

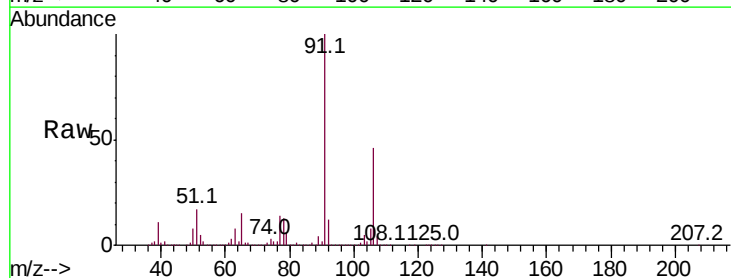


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

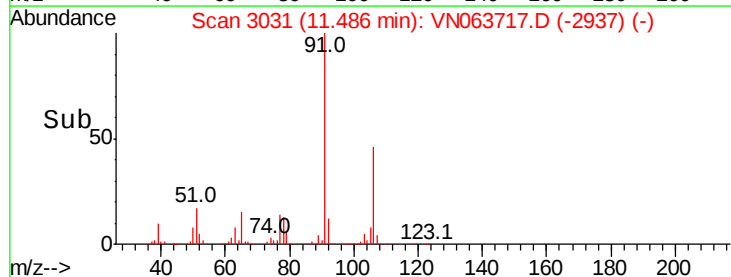
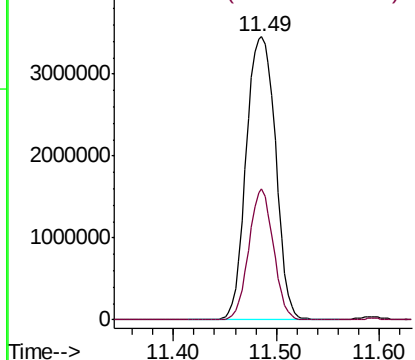


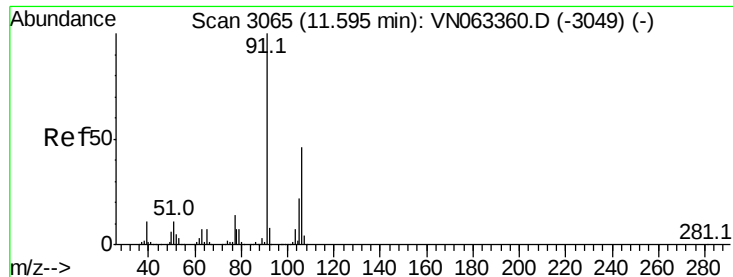
#67
Ethyl Benzene
Concen: 350.074 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	46.2	23.8	35.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 377.716 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. -0.11 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

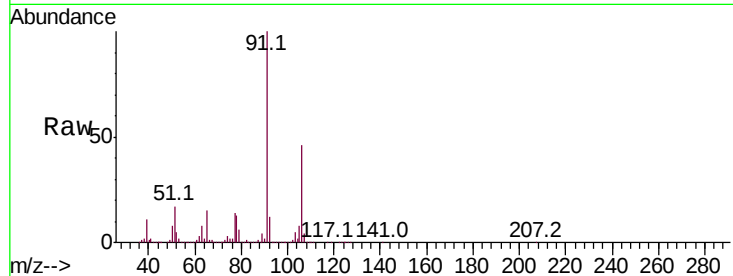
TP-5

Tot Ion:106 Resp: 2650176

Ion Ratio Lower Upper

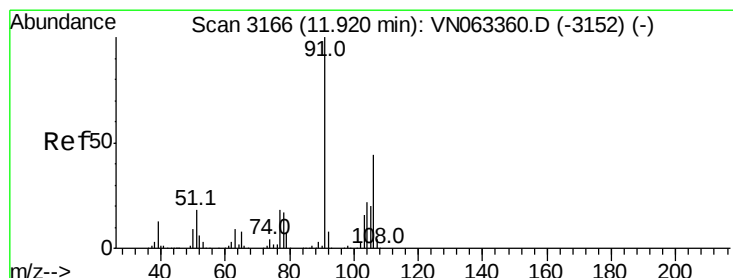
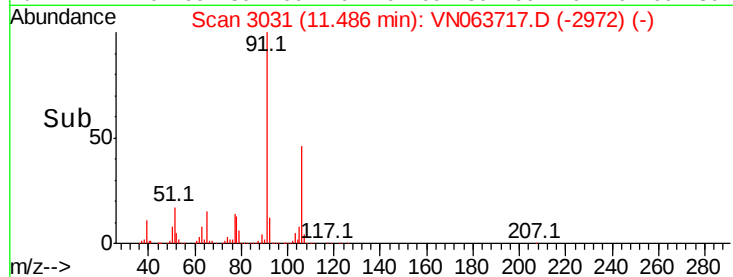
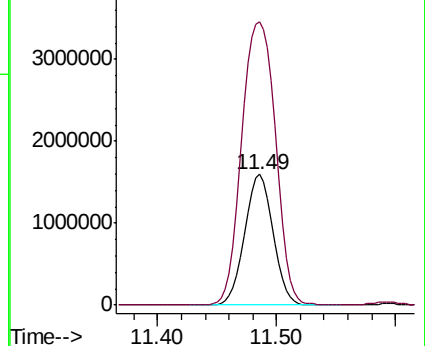
106 100

91 257.1 171.2 256.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 5.680 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063717.D

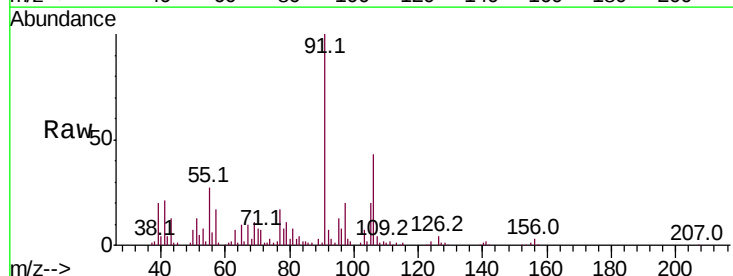
Acq: 28 Sep 2020 19:56

Tgt Ion:106 Resp: 37965

Ion Ratio Lower Upper

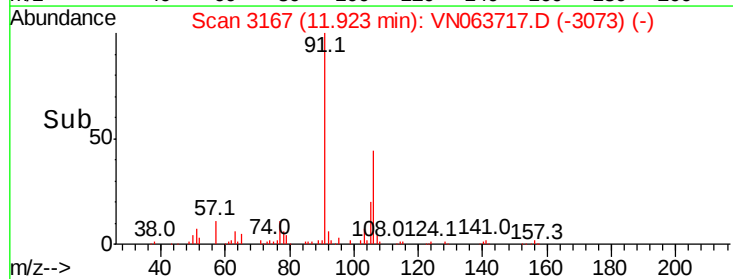
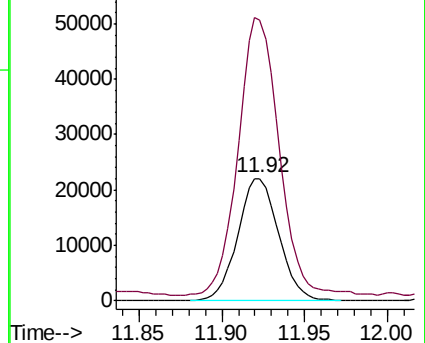
106 100

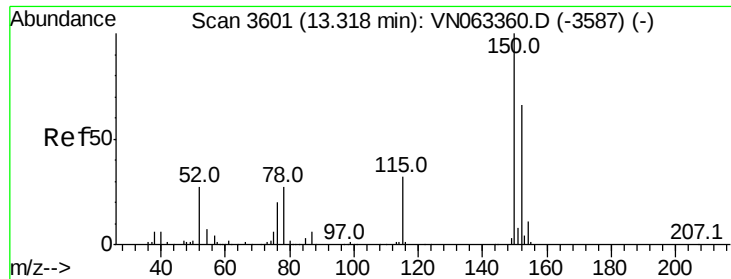
91 224.3 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

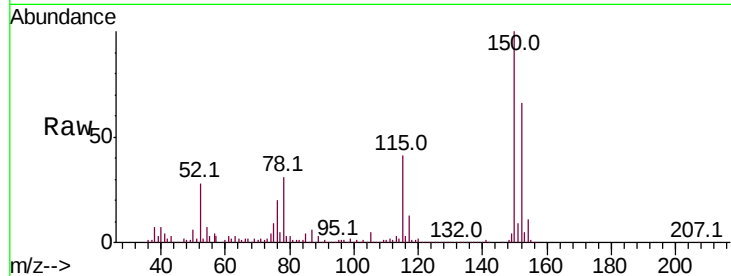
Tot Ion:152 Resp: 255658

Ion Ratio Lower Upper

152 100

115 72.2 32.2 96.6

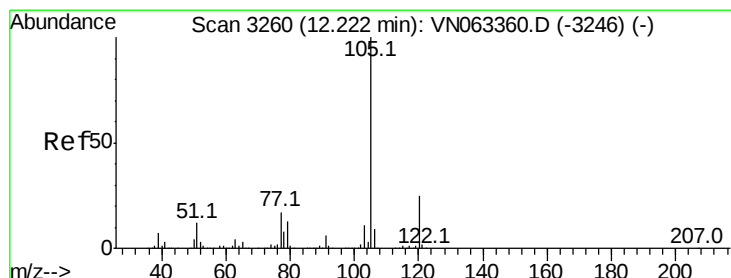
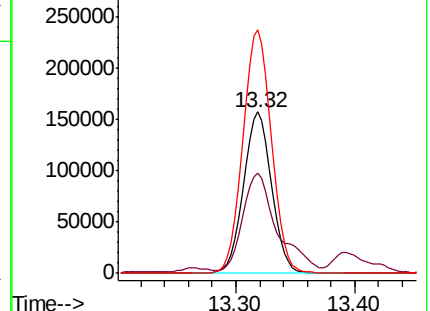
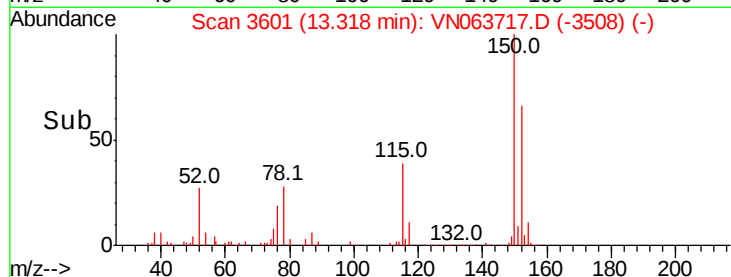
150 154.3 0.0 343.4



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: 181.052 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063717.D

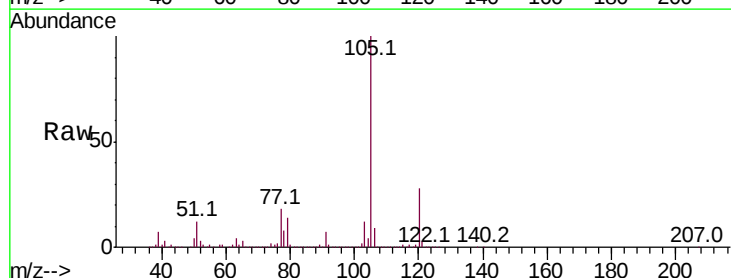
Acq: 28 Sep 2020 19:56

Tgt Ion:105 Resp: 3709212

Ion Ratio Lower Upper

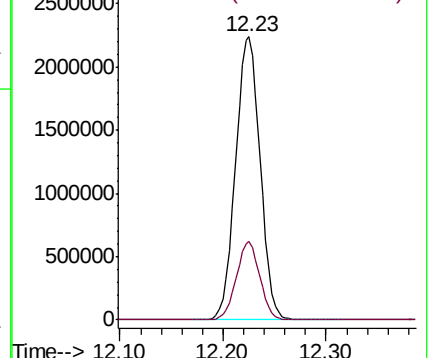
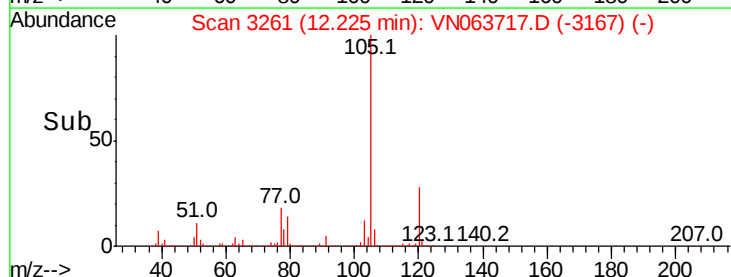
105 100

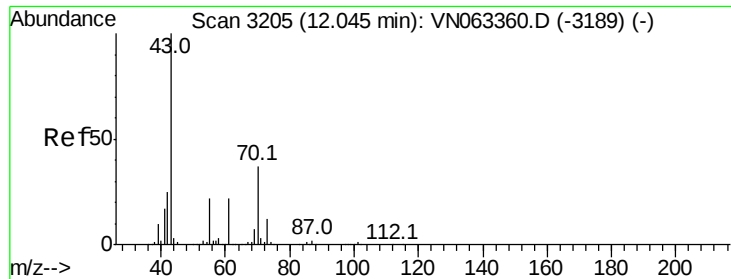
120 26.5 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.440 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.03 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

Tot Ion: 43 Resp: 33358

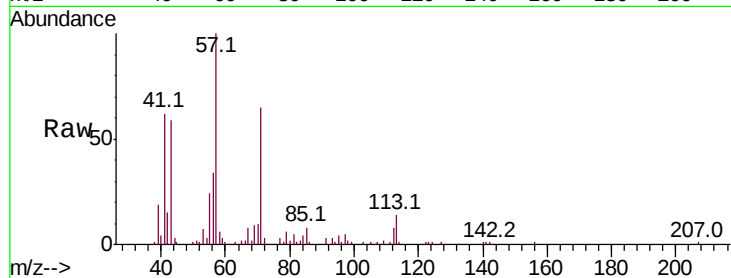
Ion Ratio Lower Upper

43 100

70 12.1 29.6 44.4#

55 0.0 17.7 26.5#

61 0.0 17.4 26.2#

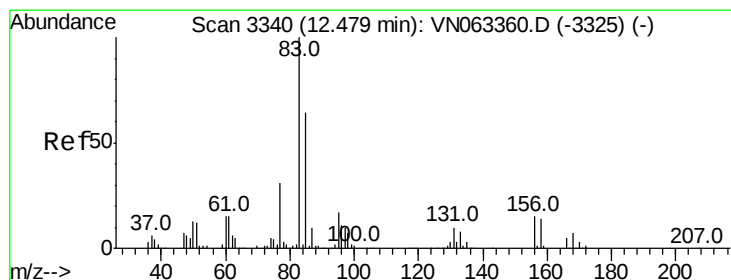
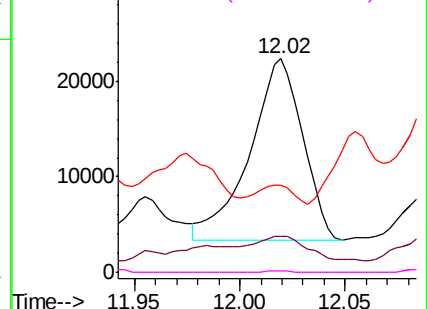
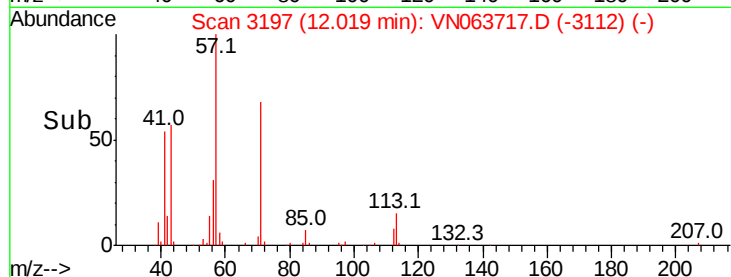


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.862 ug/l

RT: 12.54 min Scan# 3358

Delta R.T. 0.06 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

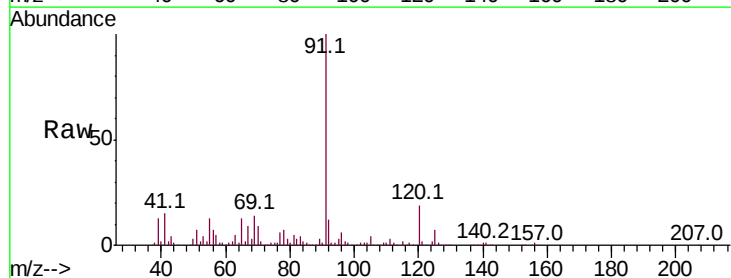
Tgt Ion: 83 Resp: 11810

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

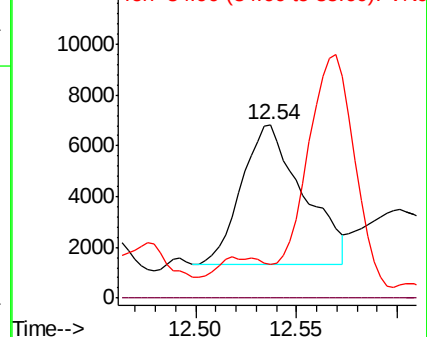
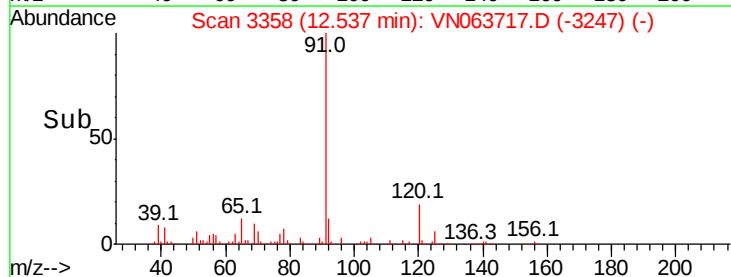
85 16.3 32.0 96.0#

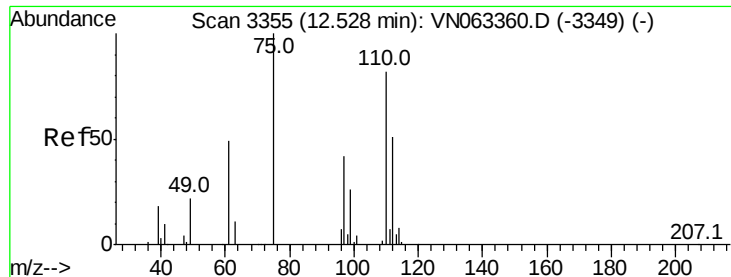


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 14.374 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

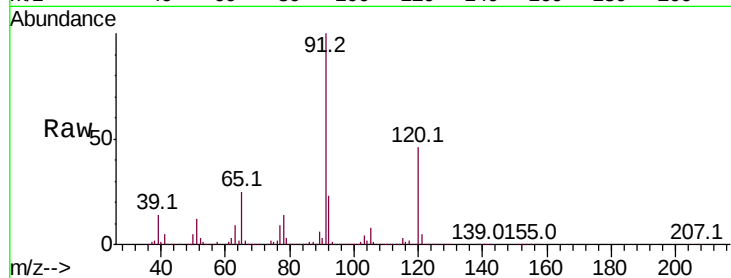
TP-5

Tot Ion: 75 Resp: 90960

Ion Ratio Lower Upper

75 100

77 636.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

400000

300000

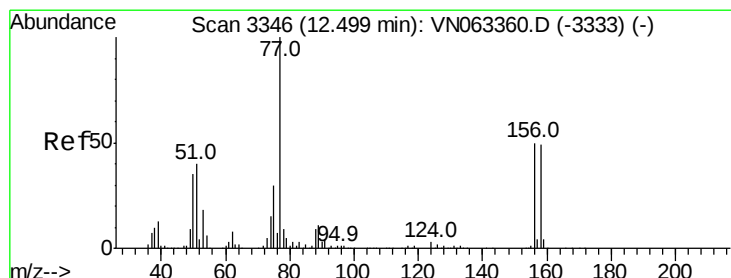
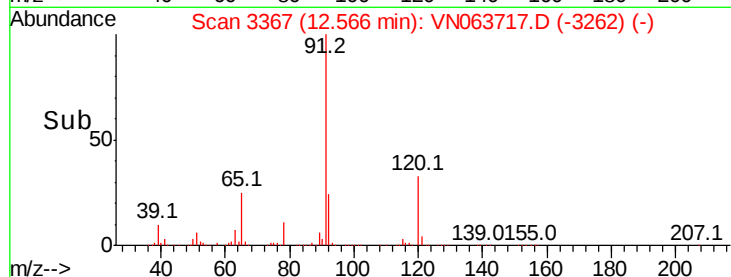
200000

100000

0

12.50 12.55 12.60

Time-->



#77

Bromobenzene

Concen: 0.253 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.07 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

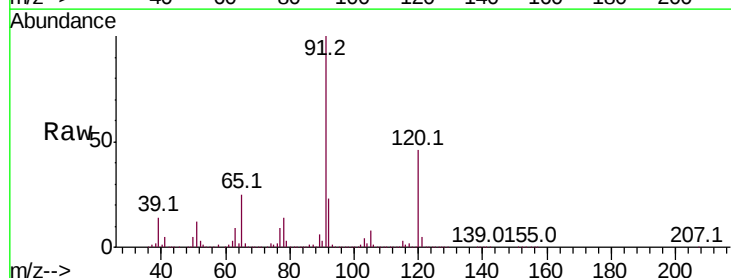
Tgt Ion: 156 Resp: 1164

Ion Ratio Lower Upper

156 100

77 49713.3 120.2 360.6#

158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): VN063360.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3333) (-)

Ion 157.80 (157.50 to 158.50): VN063360.D (-3333) (-)

500000

400000

300000

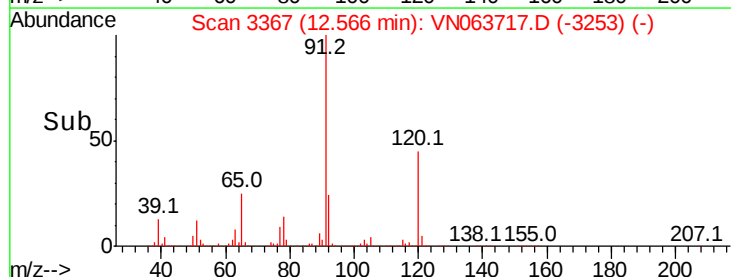
200000

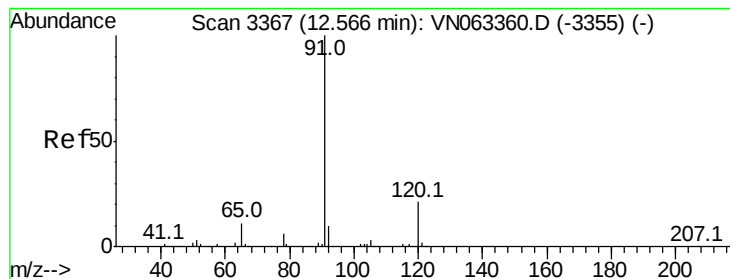
100000

0

12.55 12.56 12.57

Time-->





#78

n-propylbenzene

Concen: 345.336 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

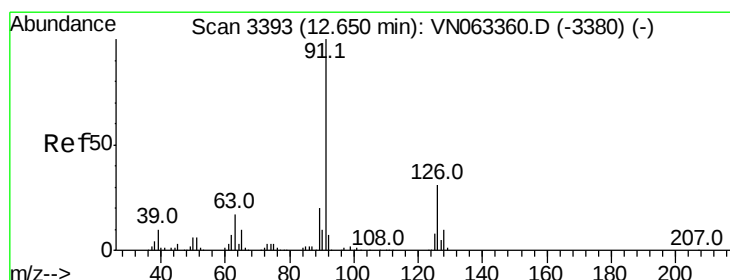
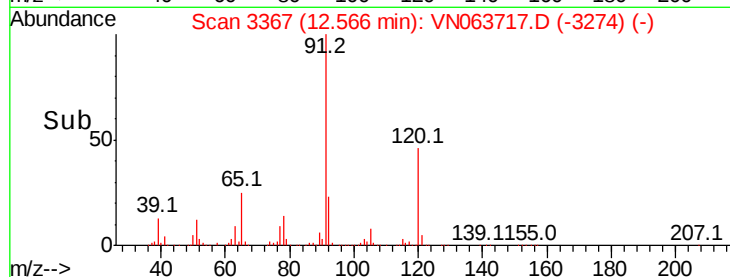
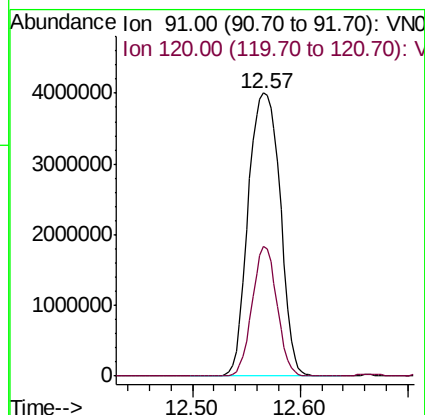
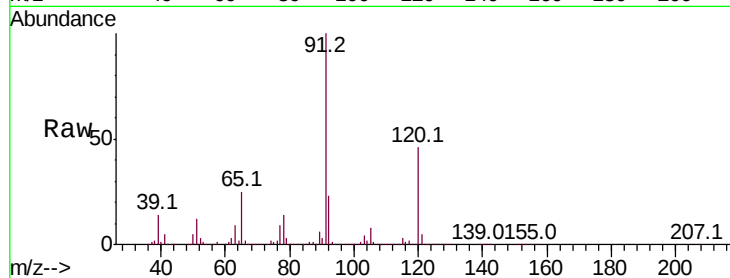
TP-5

Tot Ion: 91 Resp: 8240252

Ion Ratio Lower Upper

91 100

120 35.6 10.8 32.3#



#79

2-Chlorotoluene

Concen: 576.088 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN063717.D

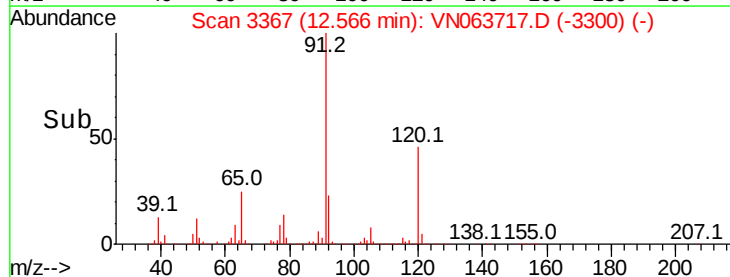
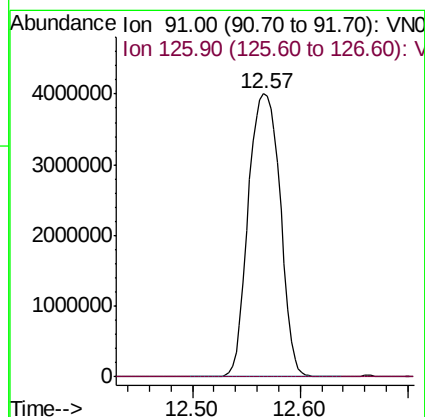
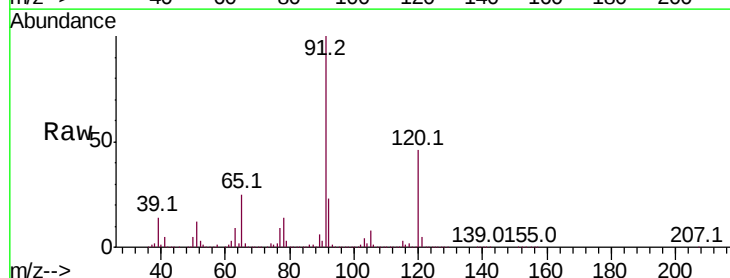
Acq: 28 Sep 2020 19:56

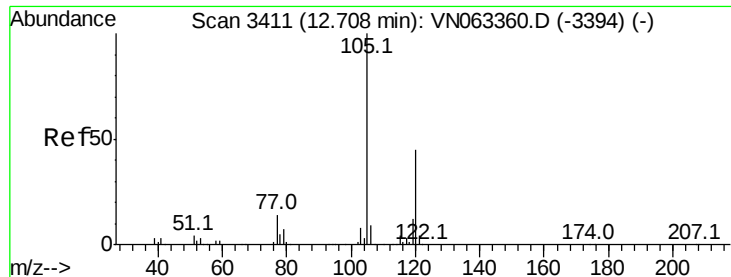
Tgt Ion: 91 Resp: 8240252

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#





#80

1,3,5-Trimethylbenzene

Concen: 91.785 ug/l

RT: 12.87 min Scan# 3460

Delta R.T. 0.16 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

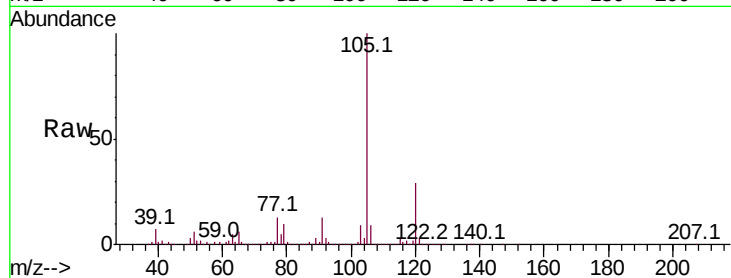
TP-5

Tot Ion:105 Resp: 1568008

Ion Ratio Lower Upper

105 100

120 29.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.87

1000000

800000

600000

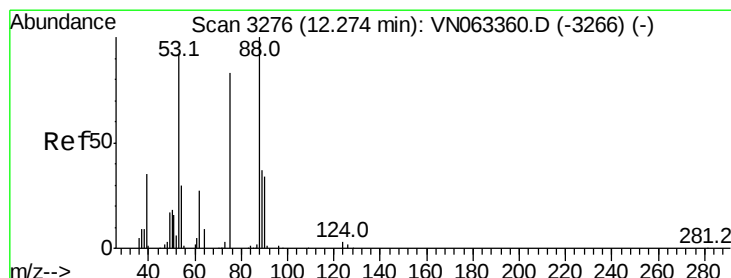
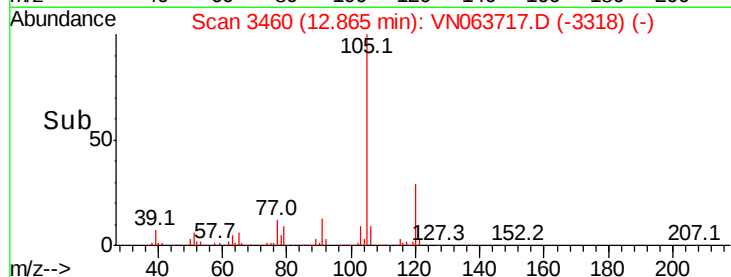
400000

200000

0

Time-->

12.80 12.90



#81

trans-1,4-Dichloro-2-butene

Concen: 21.655 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

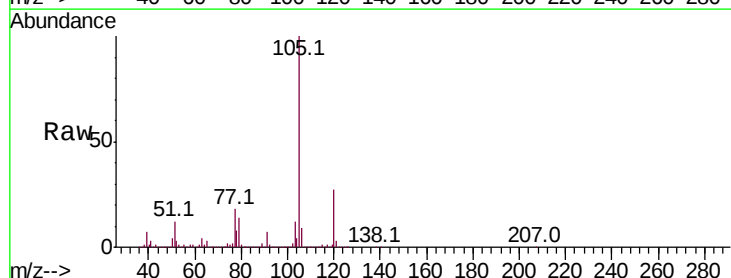
Tgt Ion: 75 Resp: 49982

Ion Ratio Lower Upper

75 100

53 95.2 85.7 128.5

89 110.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

40000

30000

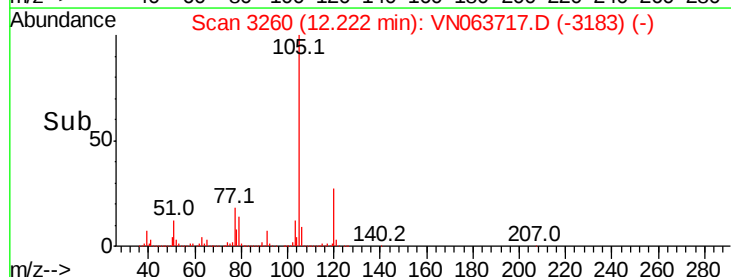
20000

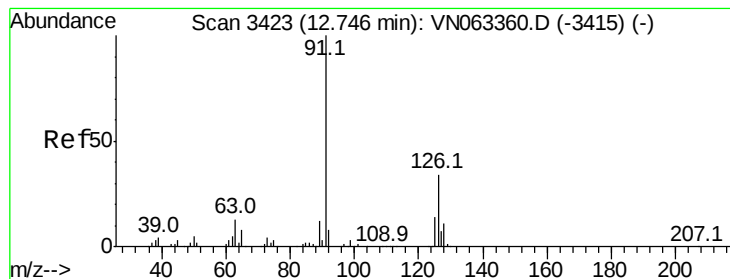
10000

0

Time-->

12.15 12.20 12.25 12.30





#82

4-Chlorotoluene

Concen: 545.237 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.18 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

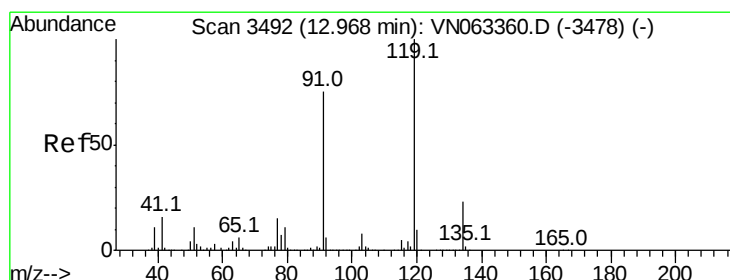
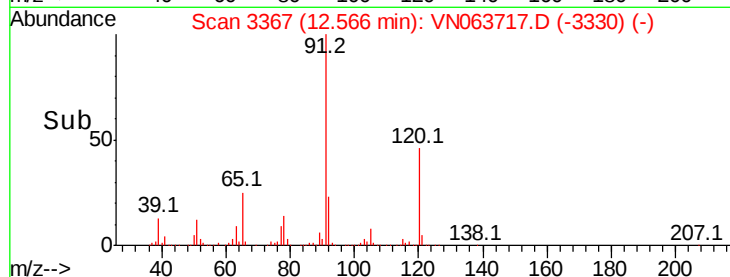
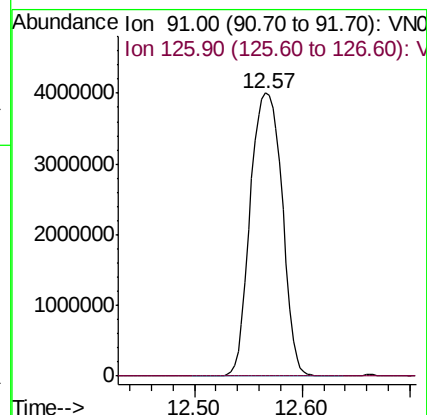
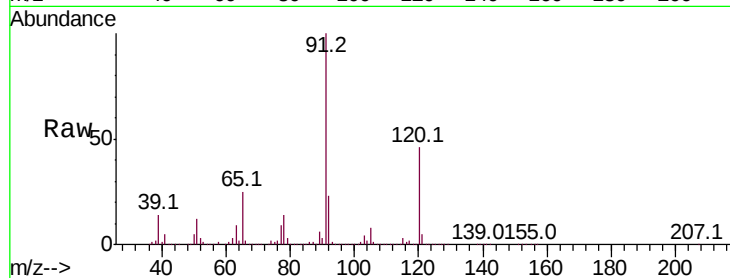
TP-5

Tot Ion: 91 Resp: 8240252

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#



#83

tert-Butylbenzene

Concen: 1.911 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

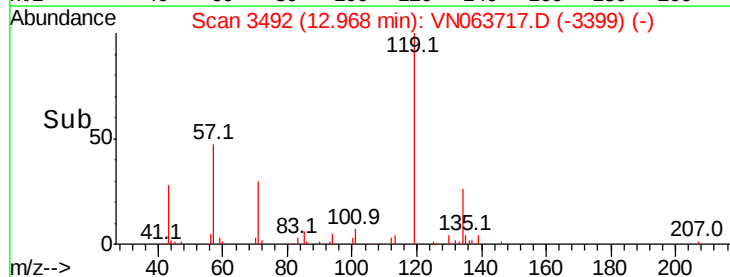
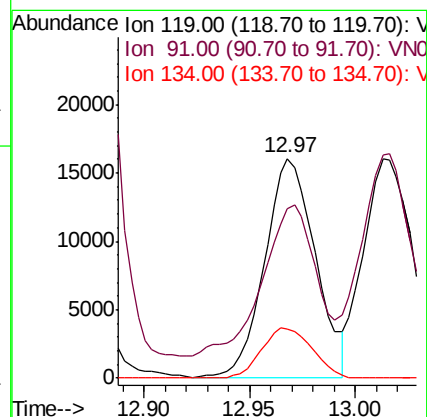
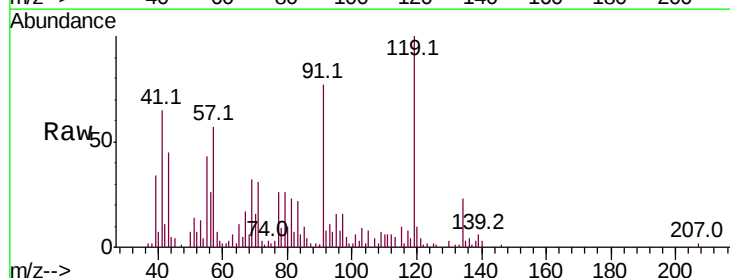
Tgt Ion: 119 Resp: 26943

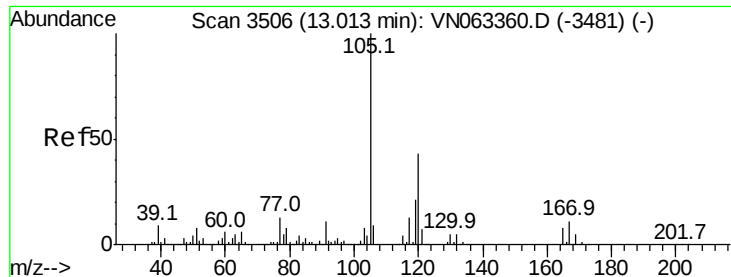
Ion Ratio Lower Upper

119 100

91 71.8 36.3 108.9

134 22.5 12.3 36.8

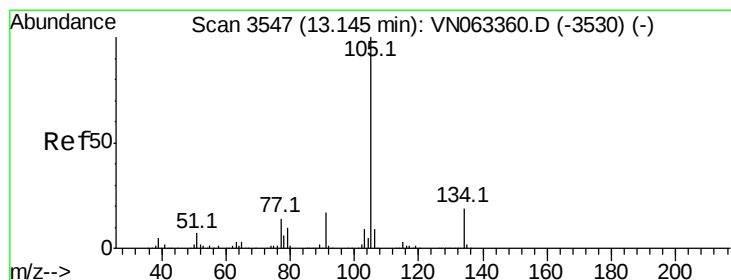
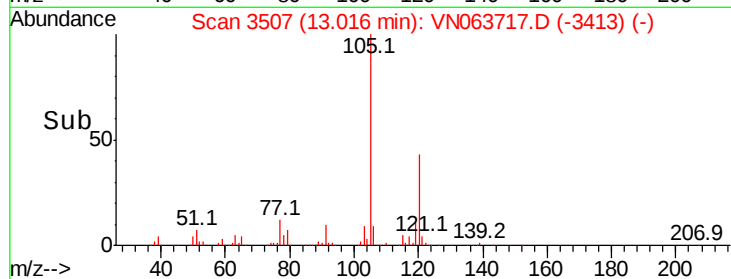
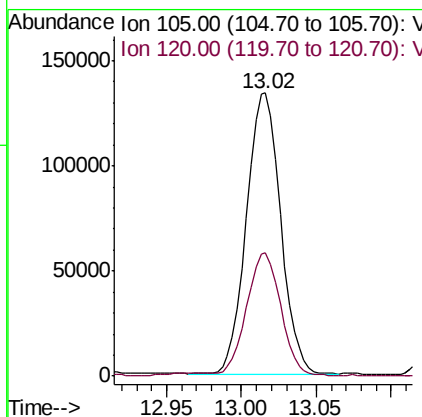
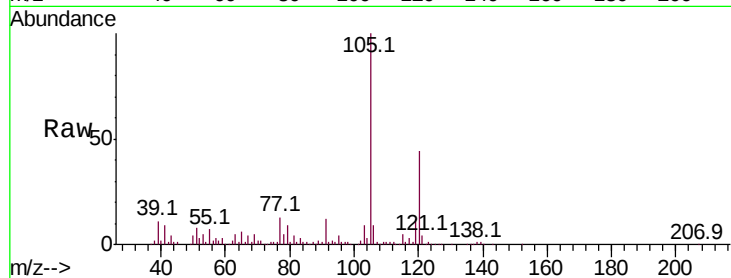




#84
 1,2,4-Trimethylbenzene
 Concen: 12.323 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

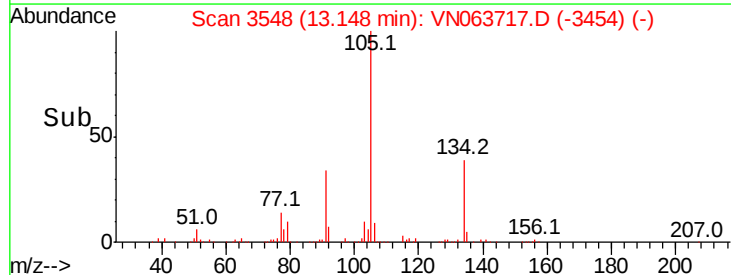
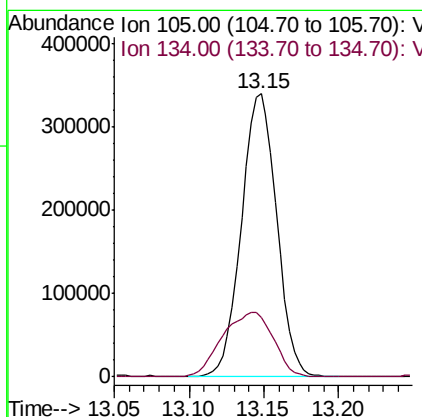
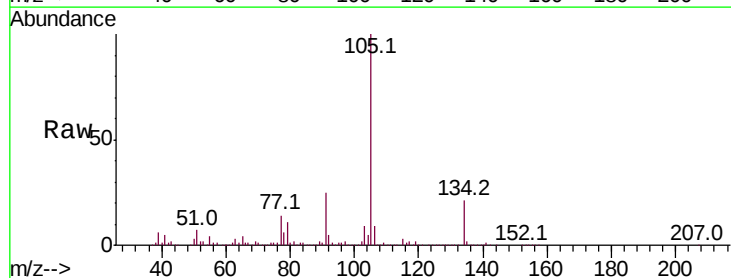
Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

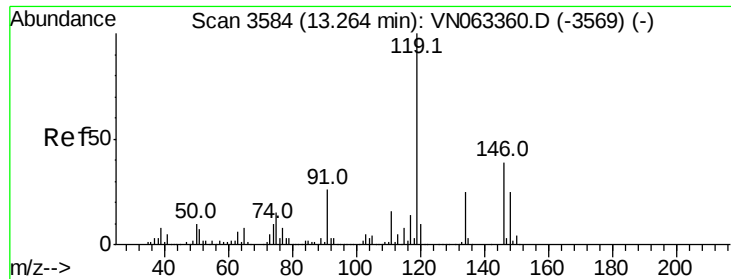
Tot Ion:105 Resp: 212636
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.3 63.9



#85
 sec-Butylbenzene
 Concen: 29.379 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Tgt Ion:105 Resp: 554483
 Ion Ratio Lower Upper
 105 100
 134 33.2 9.3 27.7#

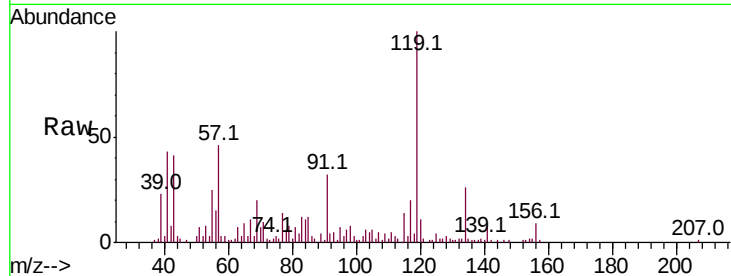




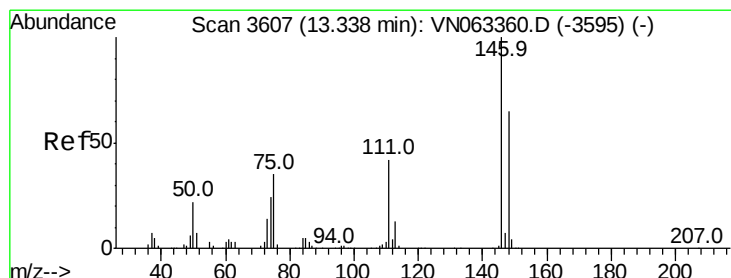
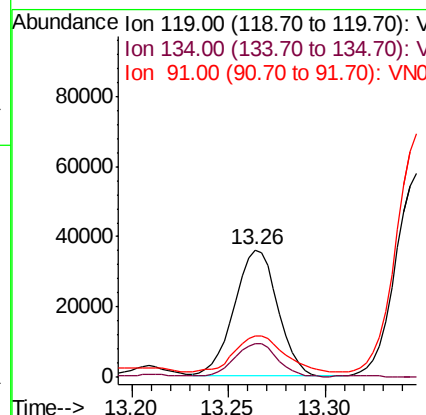
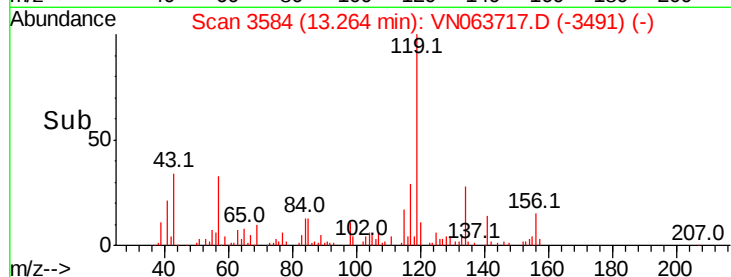
#86
 p-Isopropyltoluene
 Concen: 3.351 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tot Ion:119 Resp: 55775
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.5 37.5#
 91 0.0 13.4 40.1#

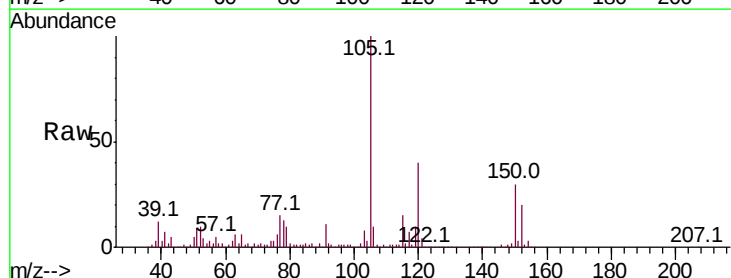


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

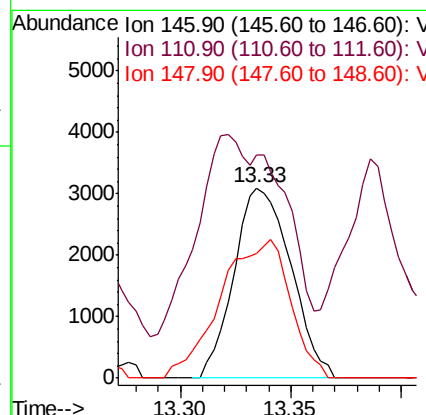
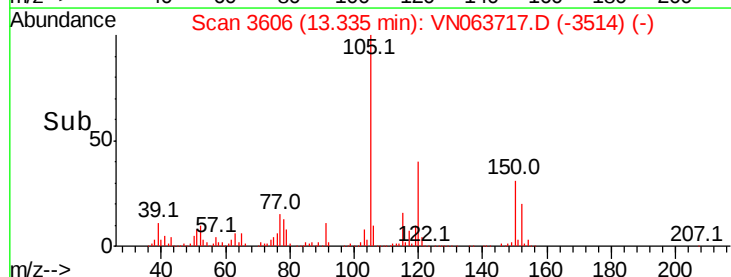


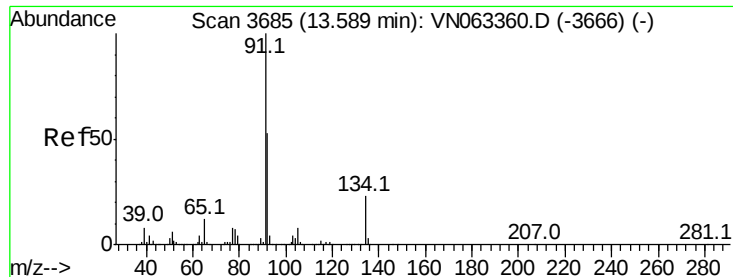
#88
 1,4-Dichlorobenzene
 Concen: 0.636 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Tgt Ion:146 Resp: 5527
 Ion Ratio Lower Upper
 146 100
 111 94.8 21.2 63.6#
 148 89.1 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





#89

n-Butylbenzene

Concen: 52.881 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

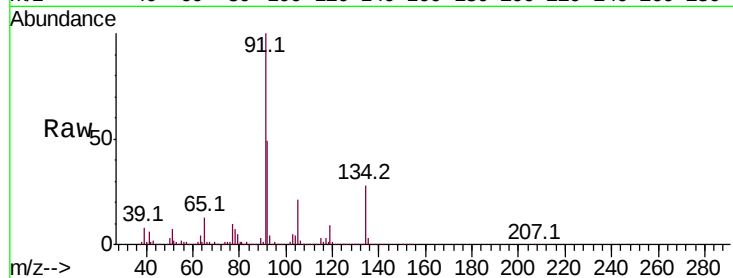
Tot Ion: 91 Resp: 811410

Ion Ratio Lower Upper

91 100

92 41.9 26.0 78.0

134 0.0 11.7 35.0#

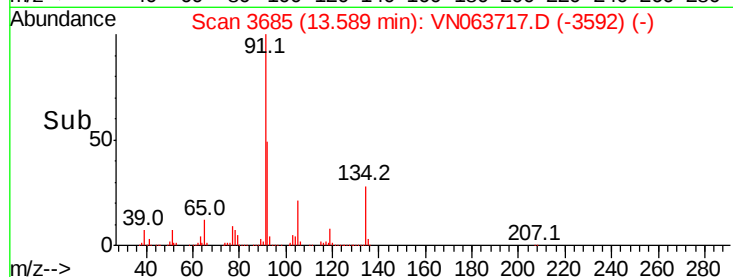


Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN063360.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN063360.D (-3666) (-)

Time-->

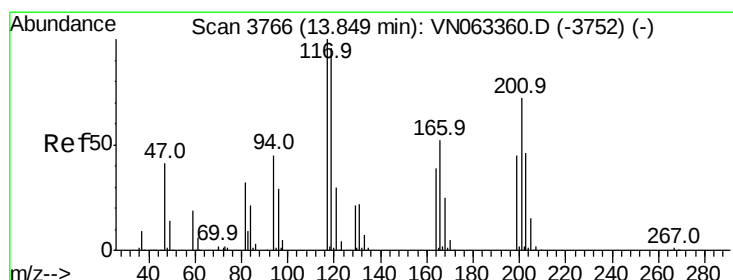


Abundance Ion 91.00 (90.70 to 91.70): VN063717.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN063717.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN063717.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 165.184 ug/l

RT: 13.86 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN063717.D

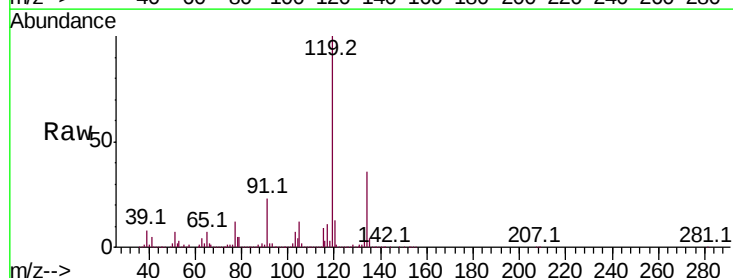
Acq: 28 Sep 2020 19:56

Tgt Ion: 117 Resp: 523595

Ion Ratio Lower Upper

117 100

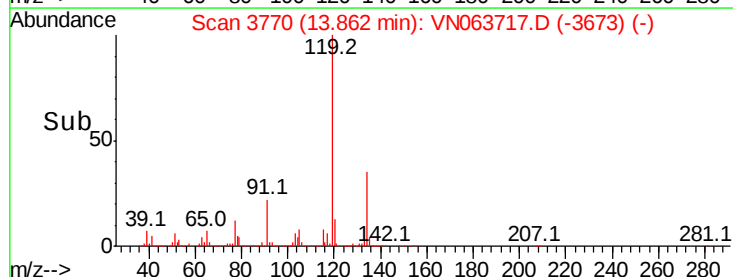
201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063360.D (-3752) (-)

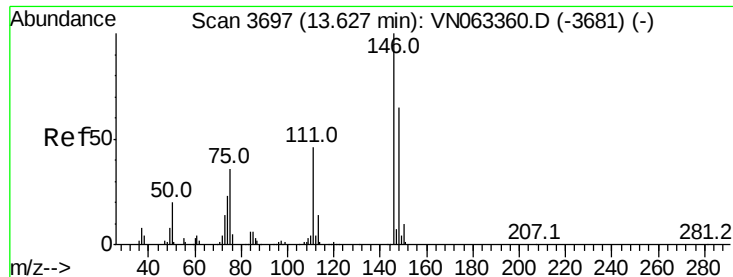
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN063717.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN063717.D (-3673) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.490 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

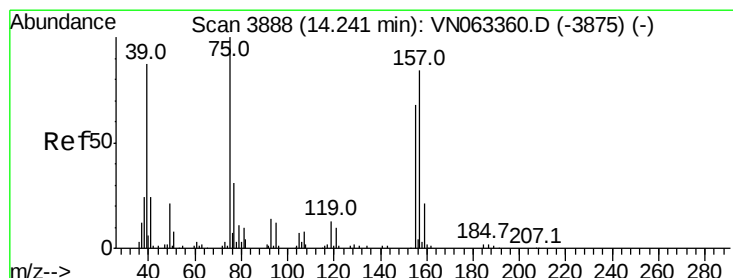
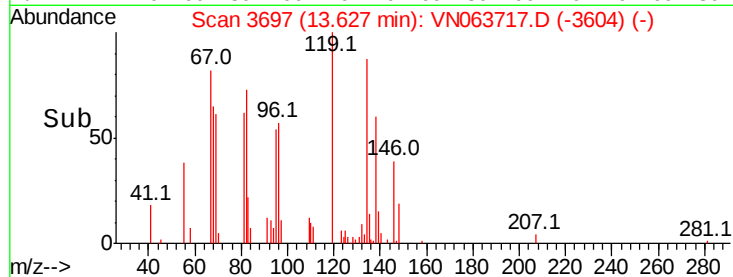
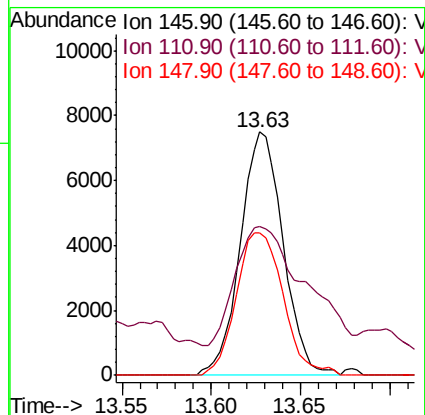
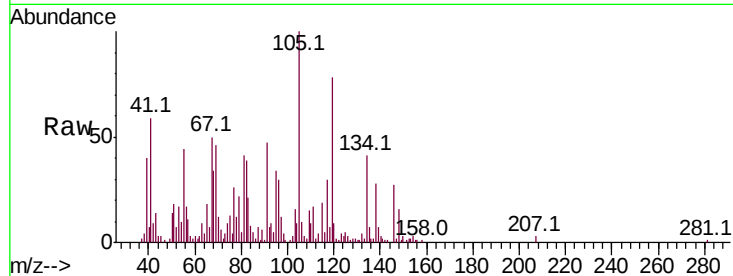
Tot Ion:146 Resp: 12498

Ion Ratio Lower Upper

146 100

111 78.3 22.4 67.2#

148 64.5 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.251 ug/l

RT: 14.22 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

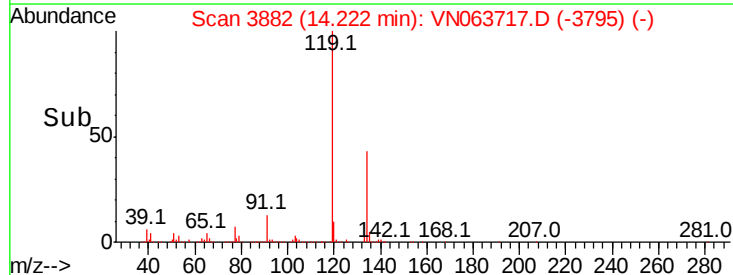
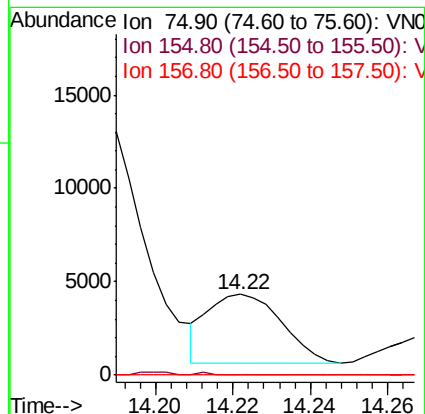
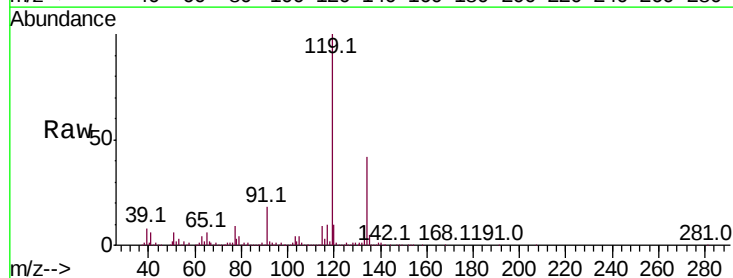
Tgt Ion: 75 Resp: 4911

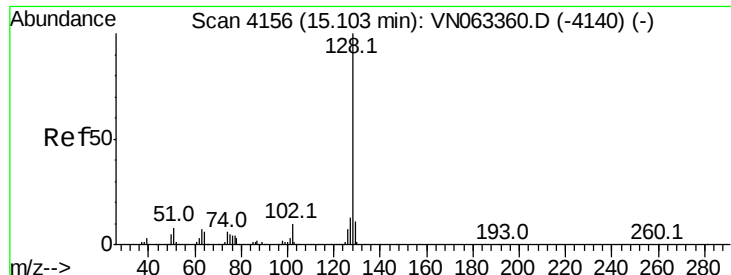
Ion Ratio Lower Upper

75 100

155 0.6 34.6 103.9#

157 0.0 43.7 131.1#





#95

Naphthalene

Concen: 182.036 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

TP-5

Tot Ion:128 Resp: 2973238

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.9 8.8 13.2

