

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063732.D
 Acq On : 29 Sep 2020 17:28
 Operator : JC/MD
 Sample : L4178-06DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6DL

Quant Time: Sep 30 00:52:43 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	236944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	433064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	438334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203812	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	190254	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	7.55	113	138553	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.06	98	552751	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	228948	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	686	1.228	ug/l #	72
13) Acrolein	3.56	56	66	0.319	ug/l #	13
14) Allyl chloride	4.34	41	1361	0.257	ug/l #	22
15) Acrylonitrile	4.99	53	2119	1.491	ug/l #	1
16) Acetone	3.77	43	14388	11.100	ug/l #	87
17) Carbon Disulfide	4.02	76	1919	0.247	ug/l #	75
18) Methyl Acetate	4.35	43	1623	0.493	ug/l #	54
25) 2-Butanone	6.80	43	5852	2.935	ug/l #	77
31) Cyclohexane	7.61	56	140734	25.264	ug/l	97
36) 1,1-Dichloropropene	7.62	75	22067	4.783	ug/l #	59
38) Carbon Tetrachloride	7.63	117	26389	5.603	ug/l #	17
39) Methylcyclohexane	9.05	83	157871	31.528	ug/l	97
40) Benzene	8.00	78	32225	2.447	ug/l	98
41) Methacrylonitrile	7.16	41	1196	0.587	ug/l #	100
43) Isopropyl Acetate	8.12	43	13161	1.625	ug/l #	64
47) Bromodichloromethane	9.36	83	4881	0.997	ug/l #	25
48) Methyl methacrylate	9.12	41	7046	1.771	ug/l #	40
51) 4-Methyl-2-Pentanone	9.99	43	2003	0.442	ug/l	92
52) Toluene	10.13	92	21825	2.756	ug/l	87
55) 1,1,2-Trichloroethane	10.50	97	20503	6.519	ug/l #	20
56) Ethyl methacrylate	10.40	69	6674	1.359	ug/l #	1
59) 2-Hexanone	10.69	43	8305	2.529	ug/l #	28
67) Ethyl Benzene	11.49	91	502041	28.652	ug/l	97
68) m/p-Xylenes	11.59	106	12728	2.015	ug/l	94
69) o-Xylene	11.92	106	6515	1.083	ug/l	97
73) Isopropylbenzene	12.23	105	153083	9.373	ug/l	97
74) N-amyl acetate	12.02	43	5658	0.732	ug/l #	66
76) 1,2,3-Trichloropropane	12.38	75	131768	26.120	ug/l #	100
78) n-propylbenzene	12.57	91	480069	25.237	ug/l	100
79) 2-Chlorotoluene	12.57	91	480069	42.100	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.71	105	101346	7.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	131768	71.612	ug/l #	7
82) 4-Chlorotoluene	12.87	91	40725	3.380	ug/l #	45
83) tert-Butylbenzene	12.97	119	2675	0.238	ug/l	74

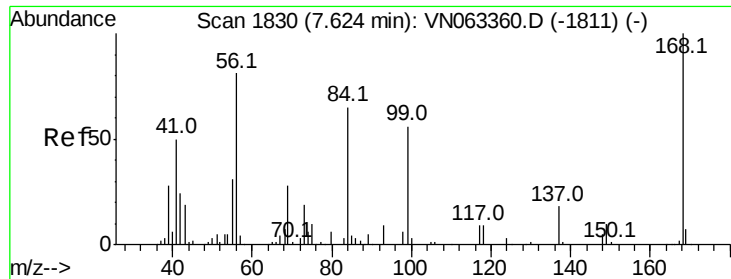
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.02	105	264260	19.210	ug/l	99
85) sec-Butylbenzene	13.15	105	55436	3.684	ug/l #	66
86) p-Isopropyltoluene	13.26	119	23879	1.799	ug/l	98
89) n-Butylbenzene	13.57	91	44512	3.639	ug/l #	1
90) Hexachloroethane	13.87	117	74810	29.605	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.26	75	571	0.474	ug/l #	10
95) Naphthalene	15.10	128	416482	31.985	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

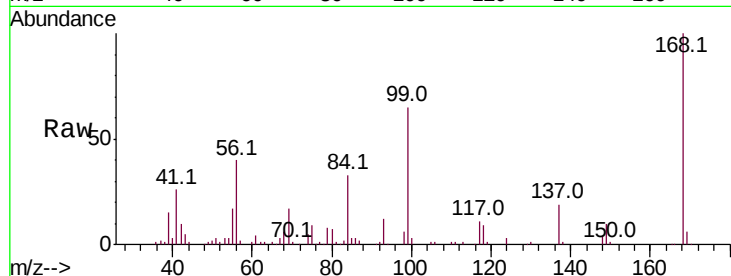
TP-6DL

Tot Ion:168 Resp: 236944

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

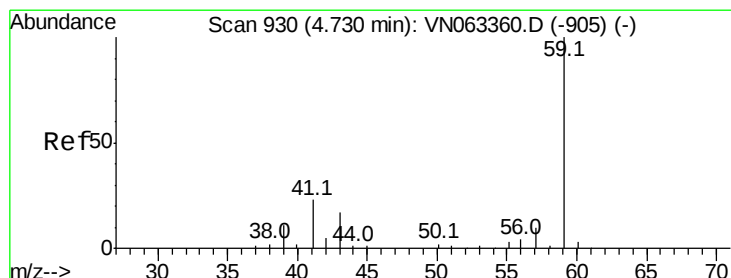
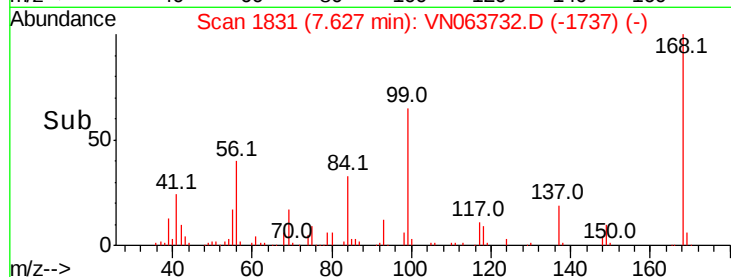
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.228 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN063732.D

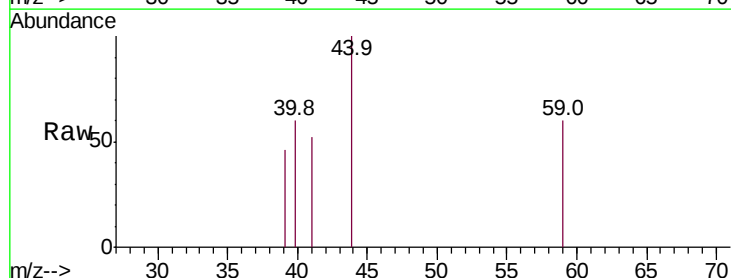
Acq: 29 Sep 2020 17:28

Tgt Ion: 59 Resp: 686

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

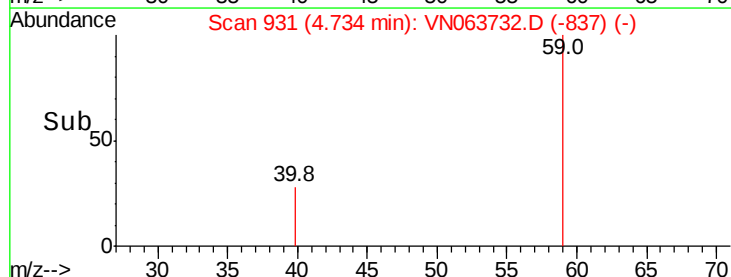
300

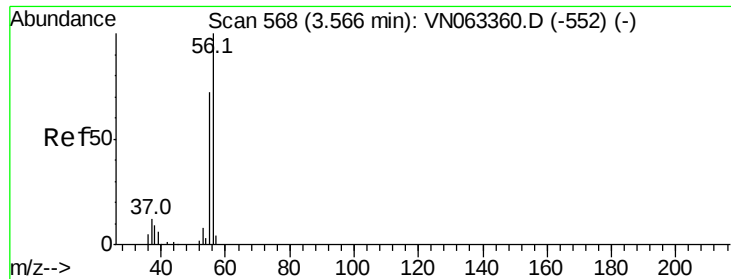
200

100

0

Time--> 4.68 4.70 4.72 4.74 4.76





#13

Acrolein

Concen: 0.319 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

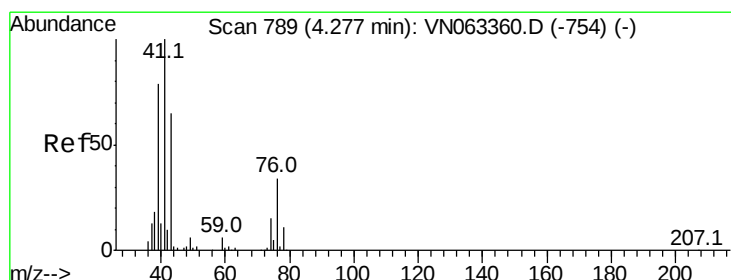
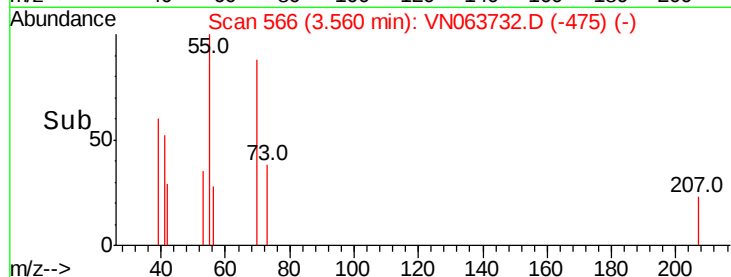
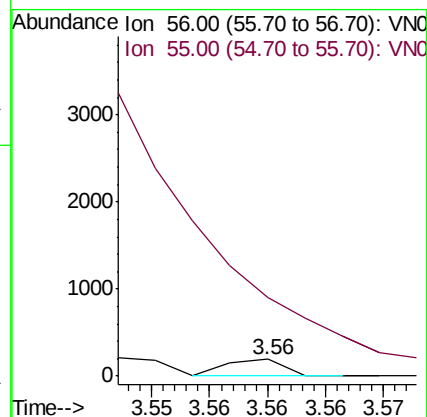
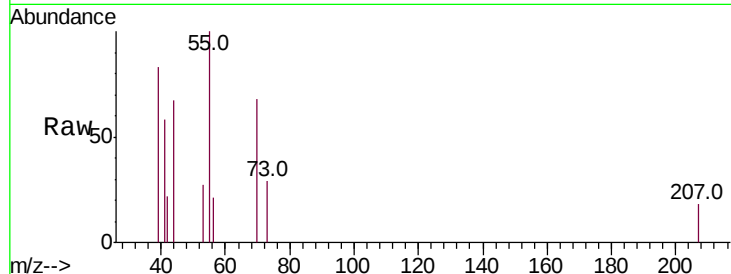
TP-6DL

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#14

Allyl chloride

Concen: 0.257 ug/l

RT: 4.34 min Scan# 808

Delta R.T. 0.06 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

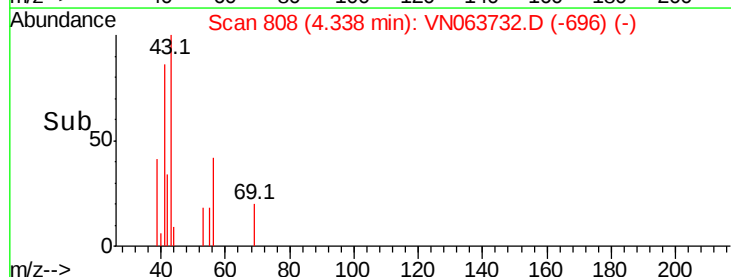
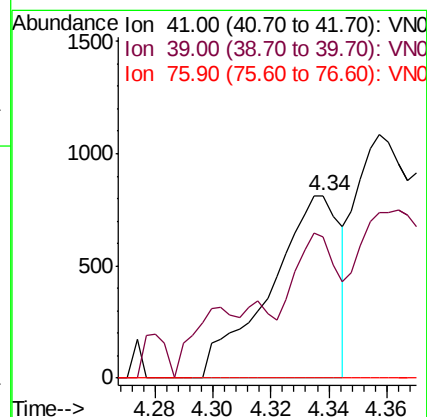
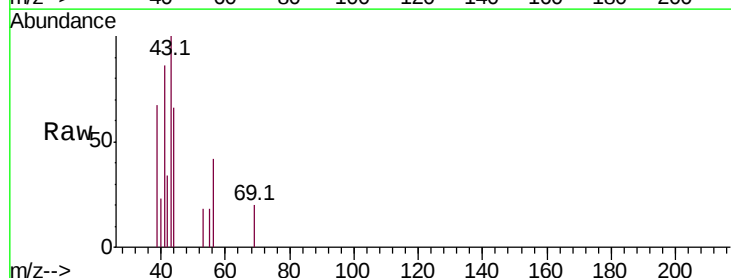
Tgt Ion: 41 Resp: 1361

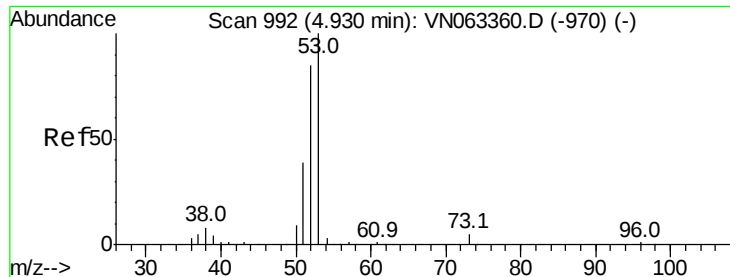
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.3 37.9#





#15

Acrylonitrile

Concen: 1.491 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.06 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-6DL

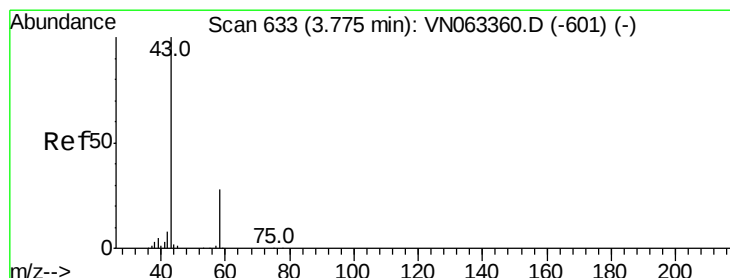
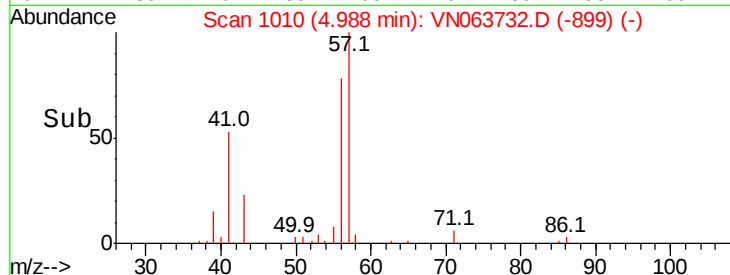
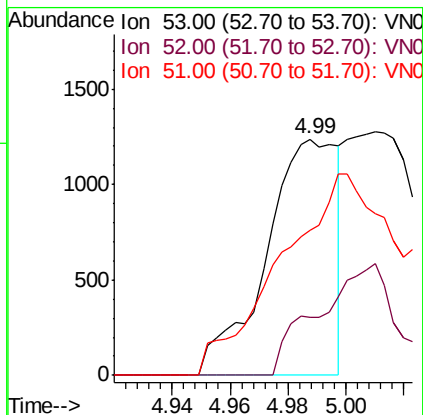
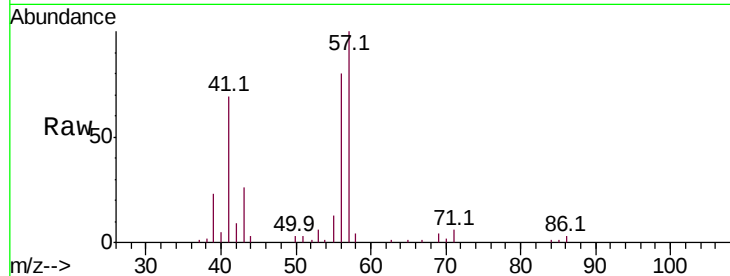
Tot Ion: 53 Resp: 2119

Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 126.5 30.2 45.4#



#16

Acetone

Concen: 11.100 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN063732.D

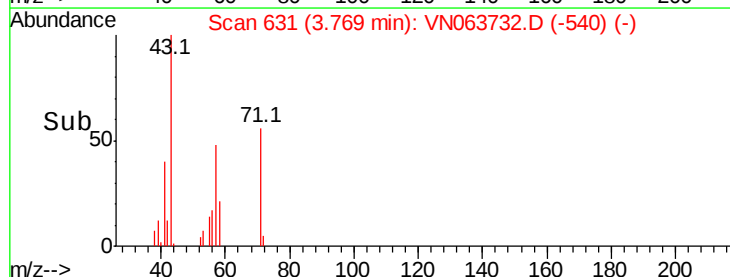
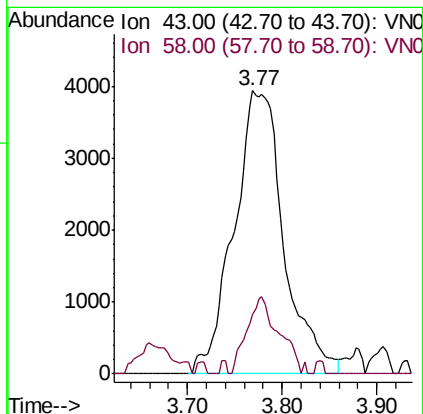
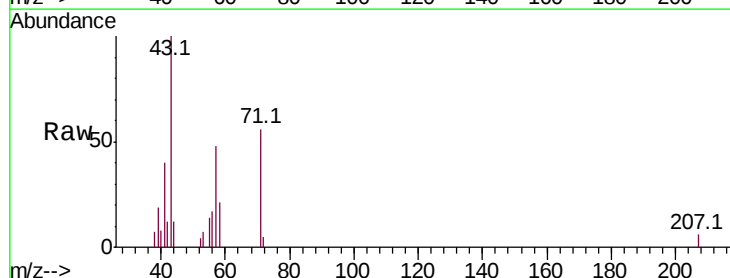
Acq: 29 Sep 2020 17:28

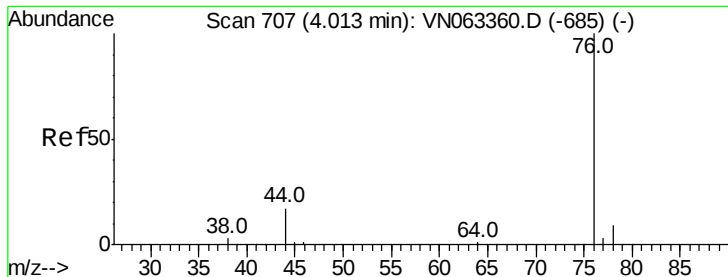
Tgt Ion: 43 Resp: 14388

Ion Ratio Lower Upper

43 100

58 21.2 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

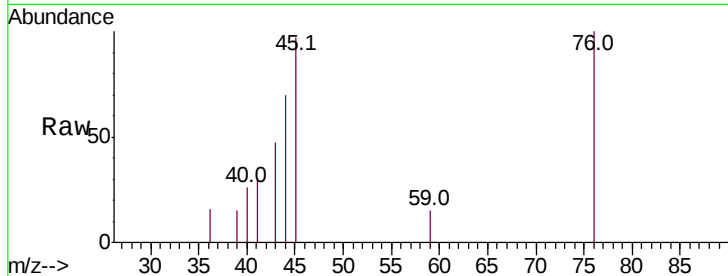
TP-6DL

Tot Ion: 76 Resp: 1919

Ion Ratio Lower Upper

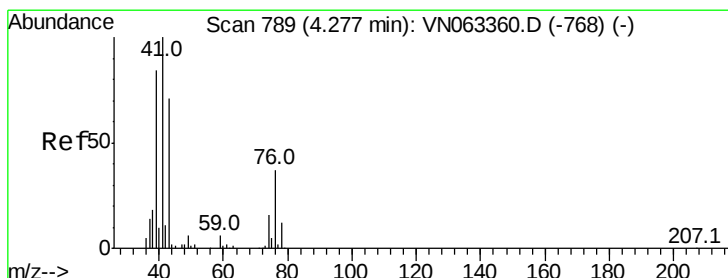
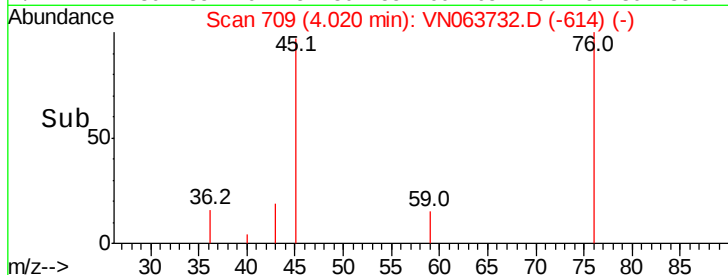
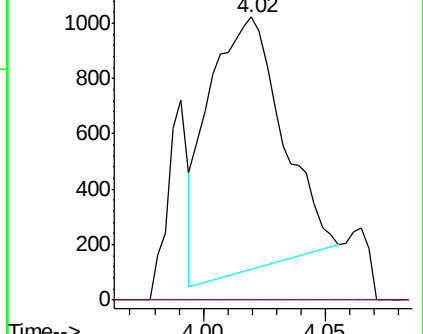
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.493 ug/l

RT: 4.35 min Scan# 811

Delta R.T. 0.07 min

Lab File: VN063732.D

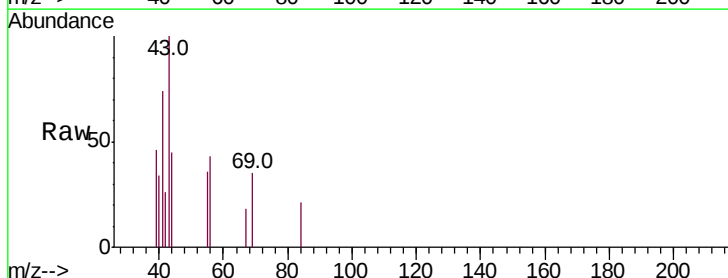
Acq: 29 Sep 2020 17:28

Tgt Ion: 43 Resp: 1623

Ion Ratio Lower Upper

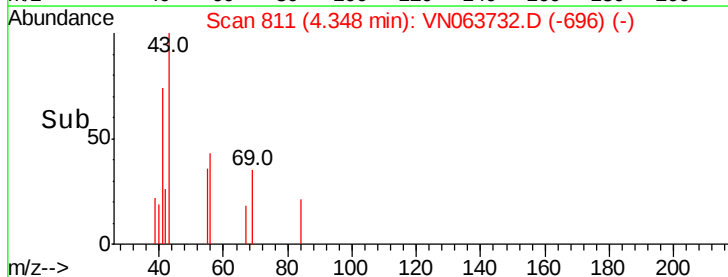
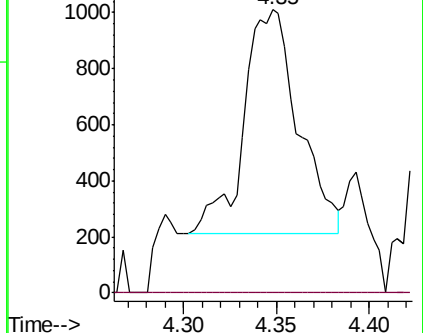
43 100

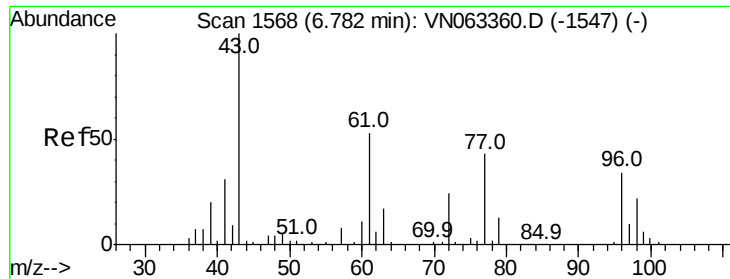
74 0.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 2.935 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

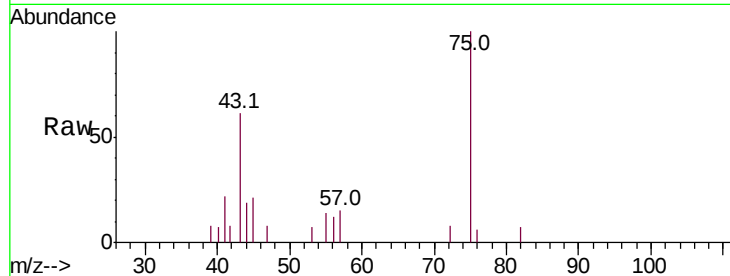
TP-6DL

Tot Ion: 43 Resp: 5852

Ion Ratio Lower Upper

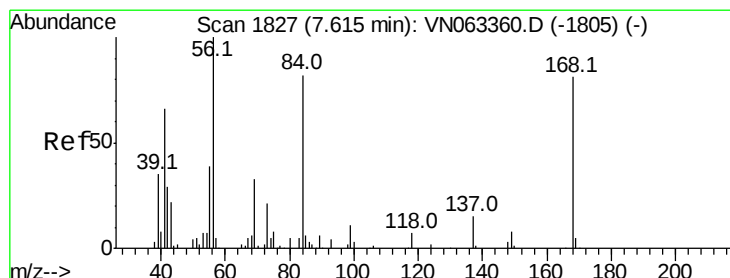
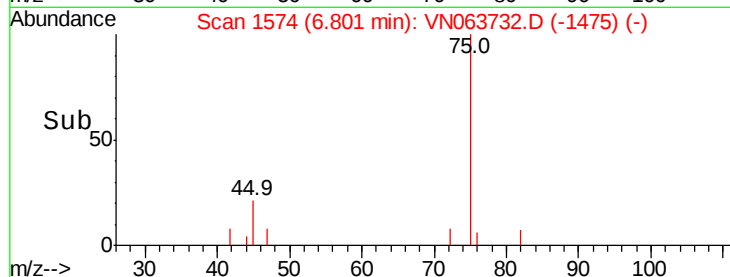
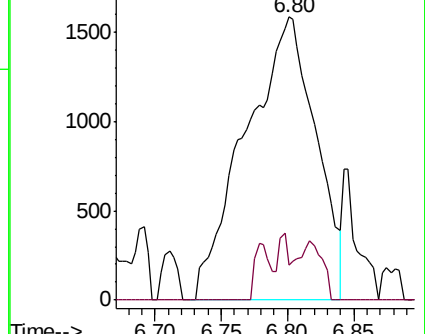
43 100

72 12.5 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) (-)



#31

Cyclohexane

Concen: 25.264 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

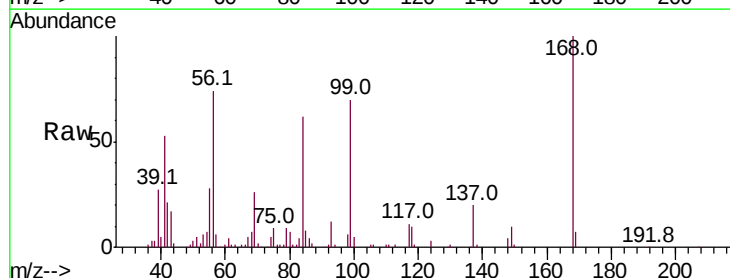
Tgt Ion: 56 Resp: 140734

Ion Ratio Lower Upper

56 100

69 34.9 26.1 39.1

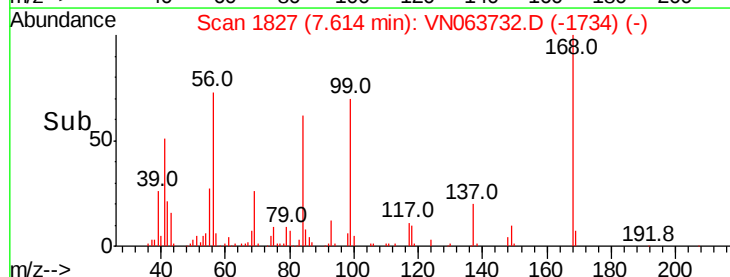
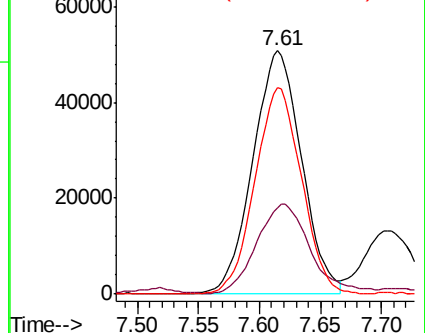
84 84.7 65.4 98.2

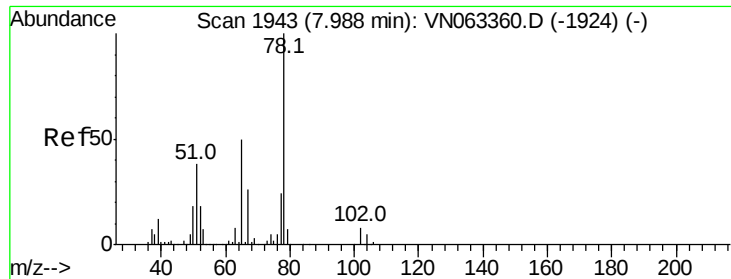


Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.169 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

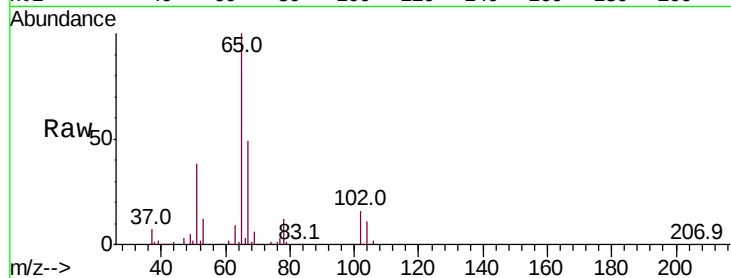
TP-6DL

Tot Ion: 65 Resp: 190254

Ion Ratio Lower Upper

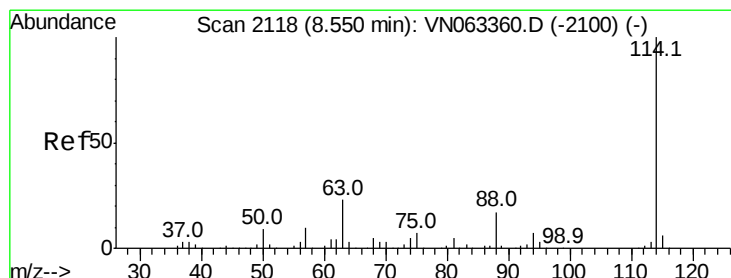
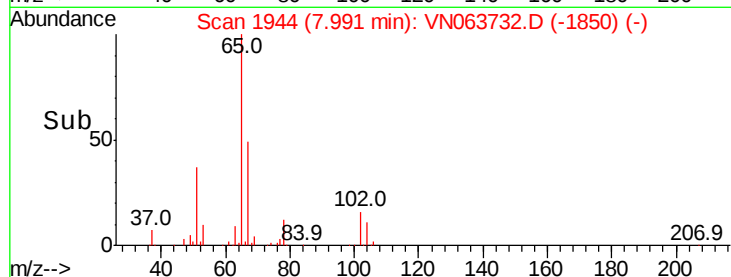
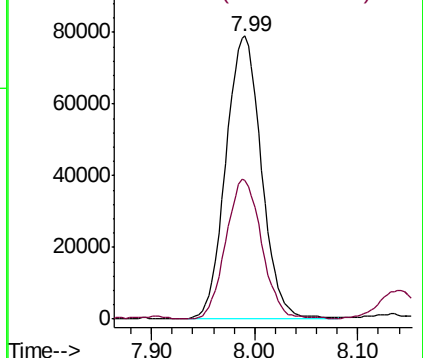
65 100

67 49.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

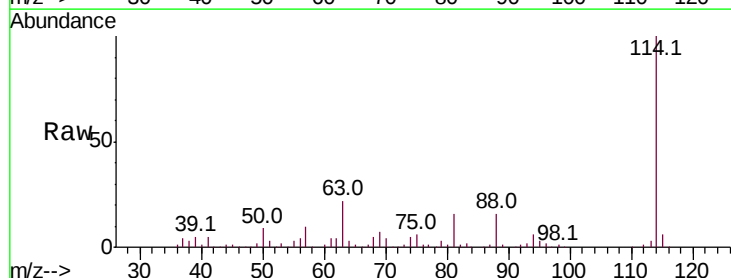
Tgt Ion: 114 Resp: 433064

Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.4

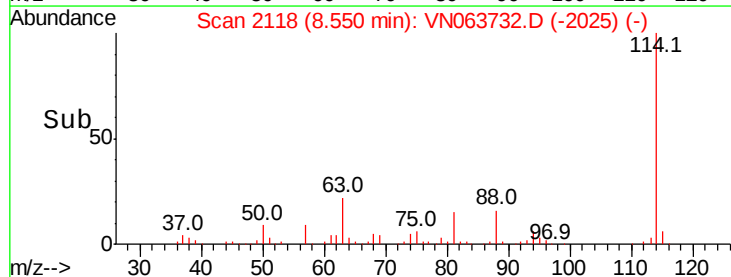
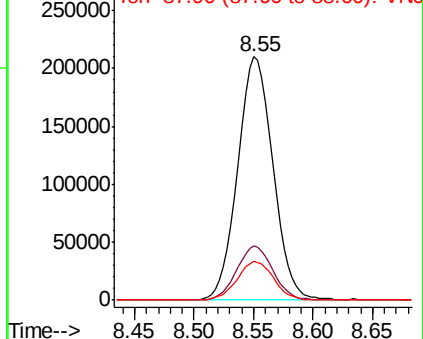
88 15.8 0.0 33.2

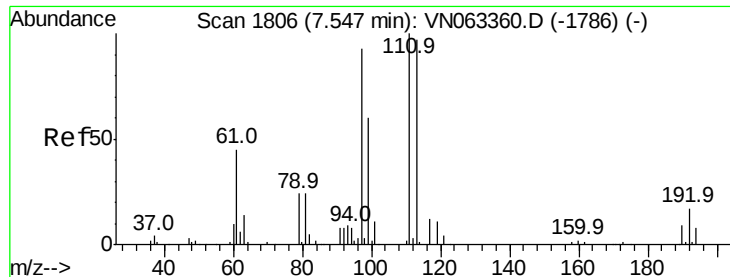


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

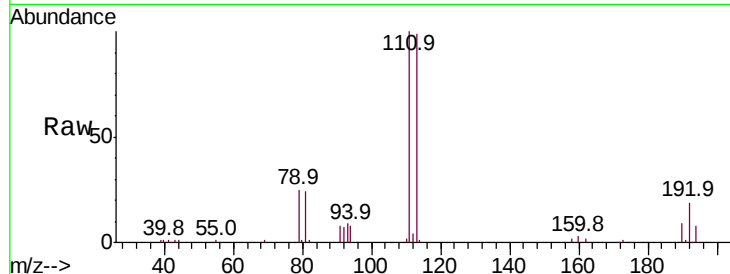




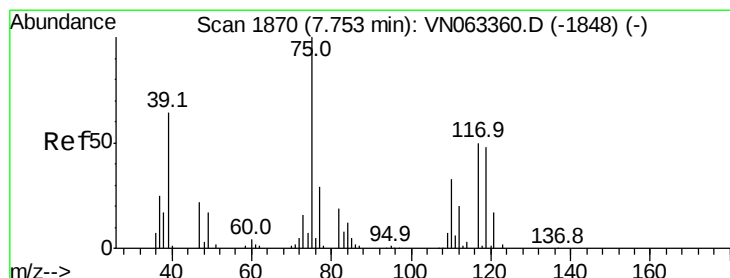
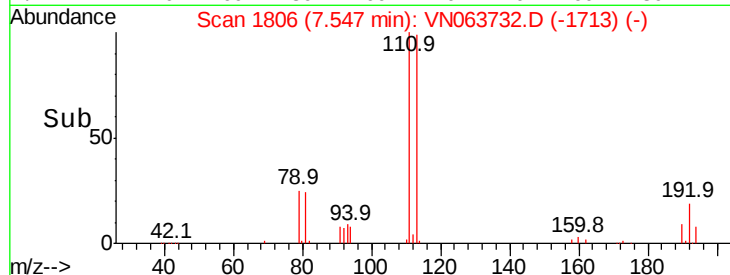
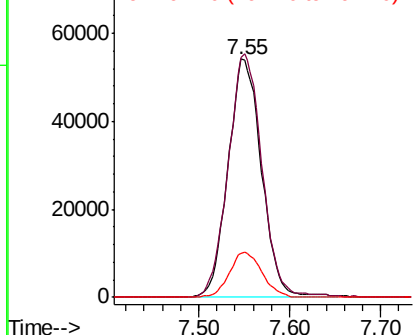
#35
 Dibromofluoromethane
 Concen: 46.215 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6DL

Tot Ion:113 Resp: 138553
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 18.4 13.9 20.9

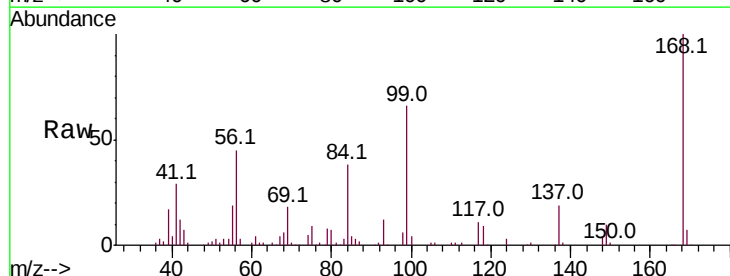


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

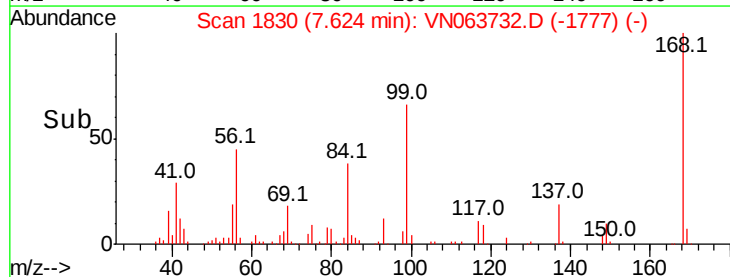
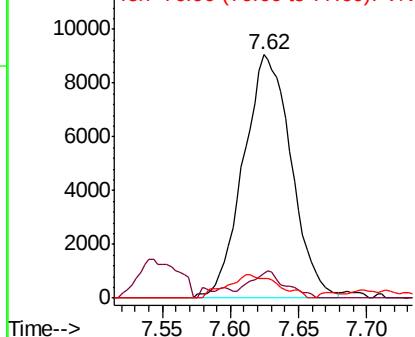


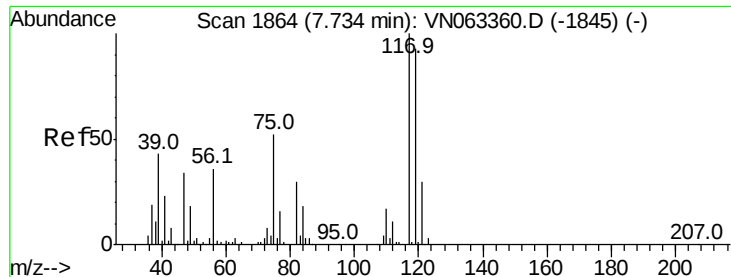
#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

Tgt Ion: 75 Resp: 22067
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 10.2 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





#38

Carbon Tetrachloride

Concen: 5.603 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

TP-6DL

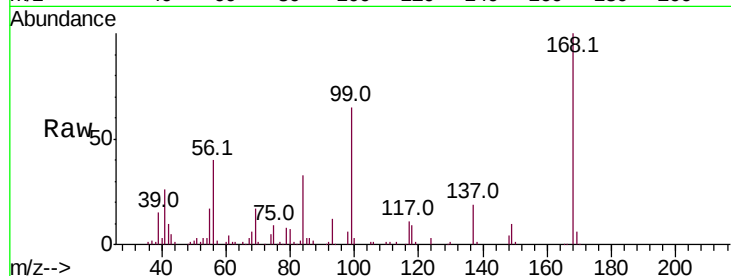
Tot Ion:117 Resp: 26389

Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

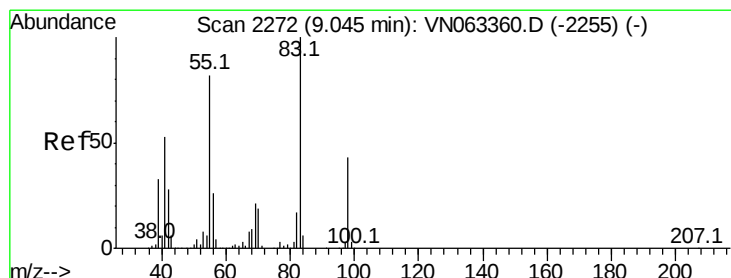
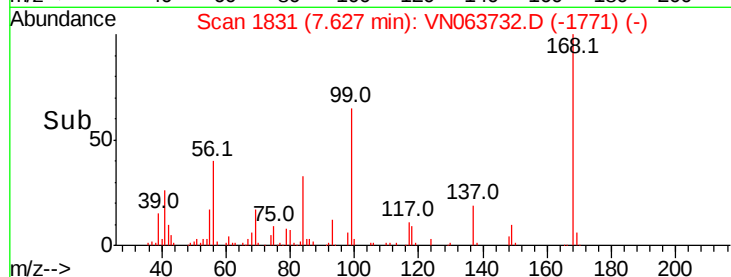
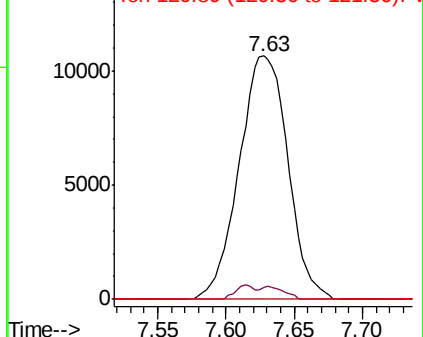
121 0.0 24.1 36.1#



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: 31.528 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

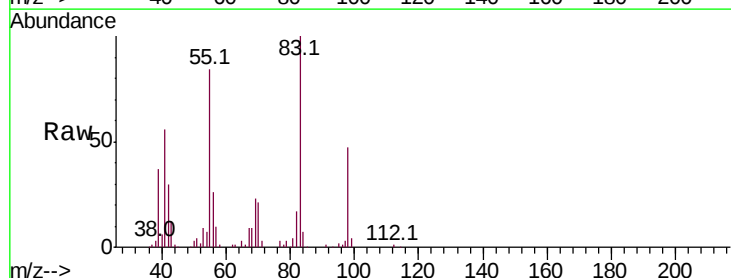
Tgt Ion: 83 Resp: 157871

Ion Ratio Lower Upper

83 100

55 83.2 65.5 98.3

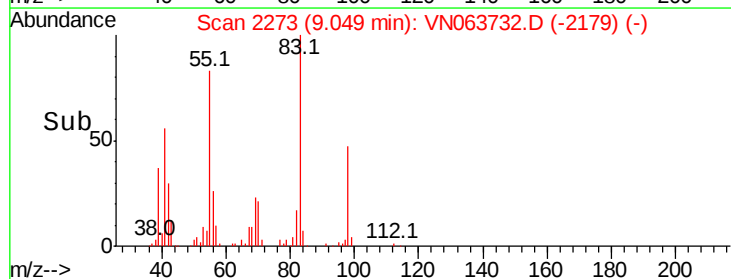
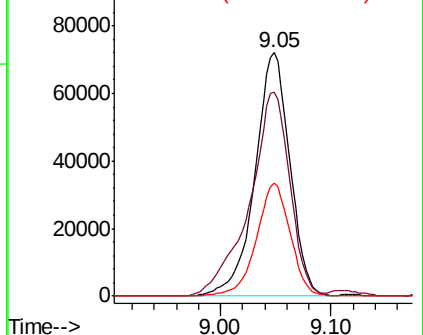
98 46.7 34.2 51.4

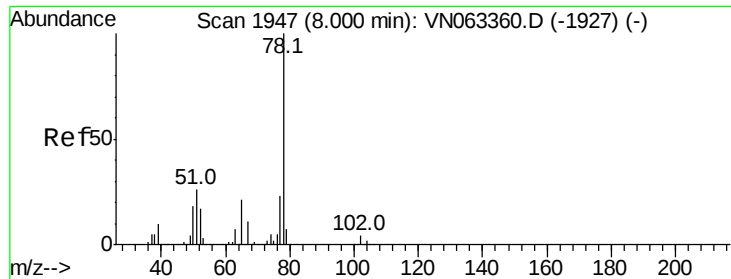


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 2.447 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

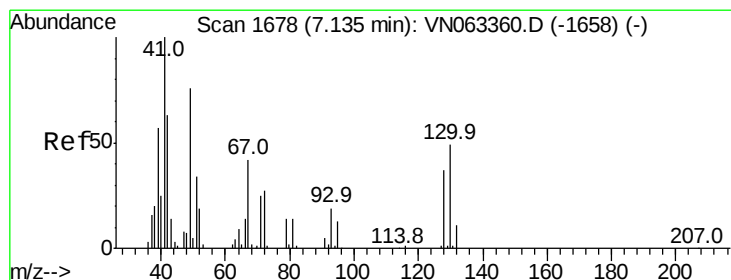
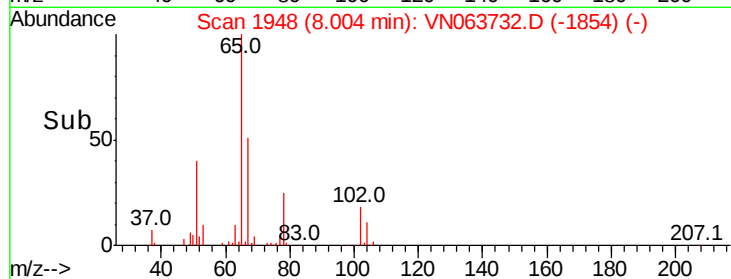
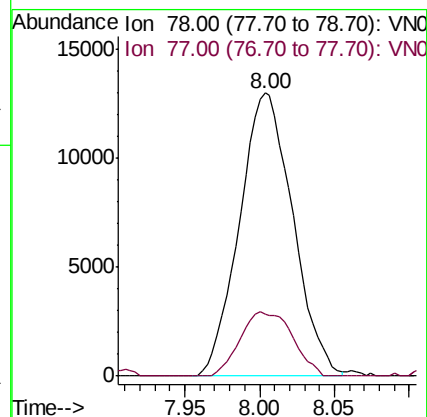
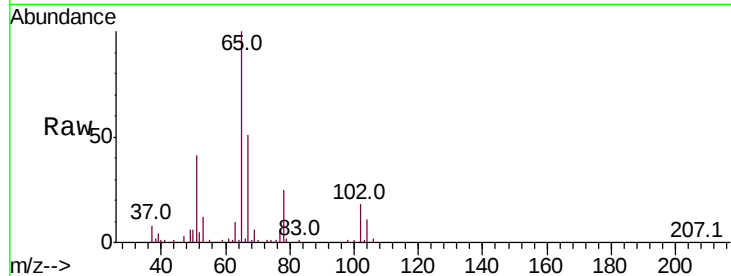
TP-6DL

Tot Ion: 78 Resp: 32225

Ion Ratio Lower Upper

78 100

77 22.1 18.3 27.5



#41

Methacrylonitrile

Concen: 0.587 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Tgt Ion: 41 Resp: 1196

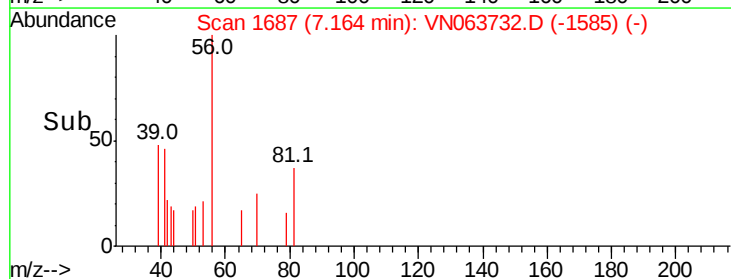
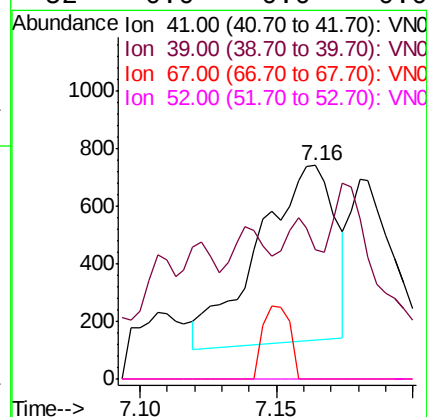
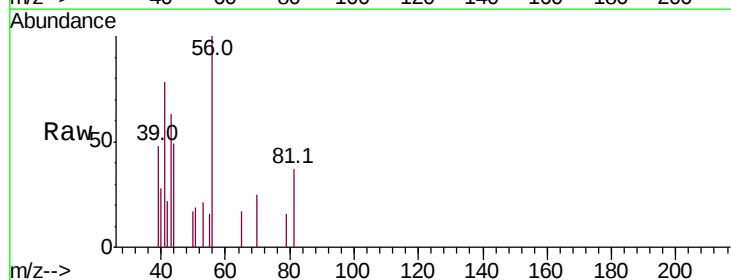
Ion Ratio Lower Upper

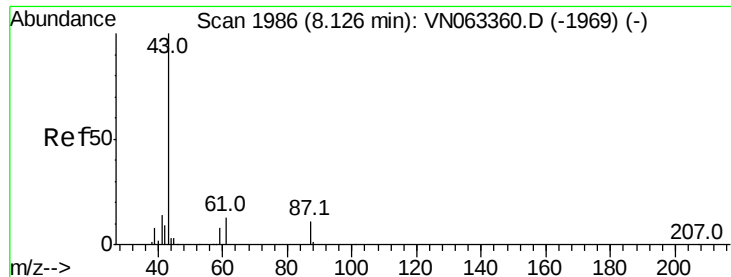
41 100

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: 1.625 ug/l

RT: 8.12 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-6DL

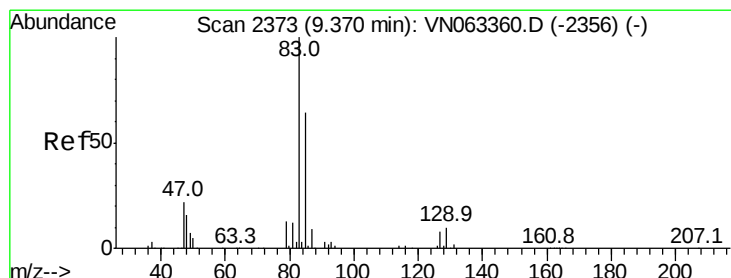
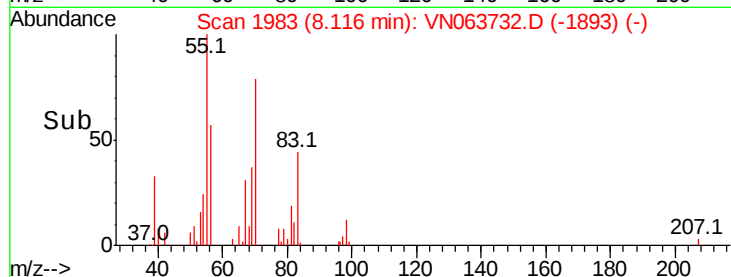
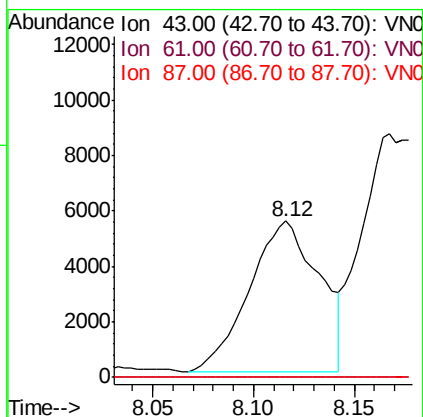
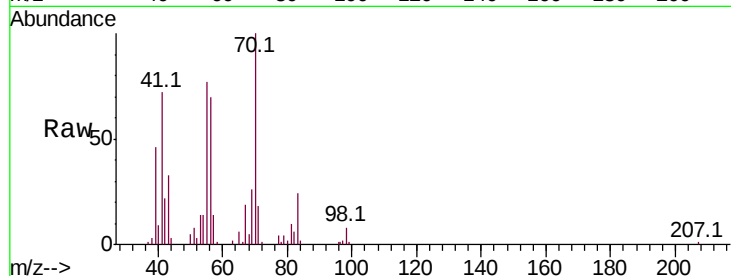
Tot Ion: 43 Resp: 13161

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

87 0.0 9.0 13.6#



#47

Bromodichloromethane

Concen: 0.997 ug/l

RT: 9.36 min Scan# 2369

Delta R.T. -0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

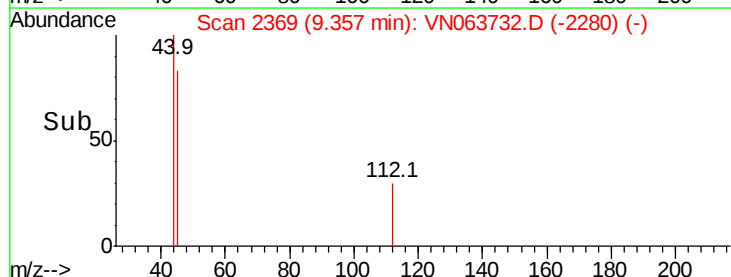
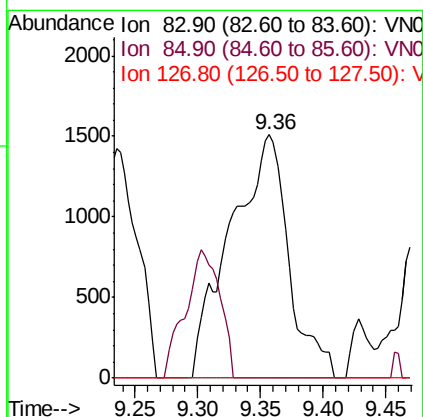
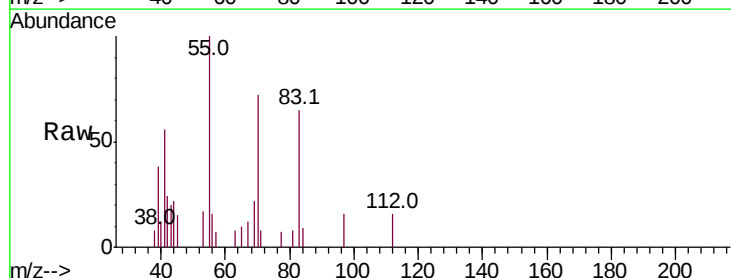
Tgt Ion: 83 Resp: 4881

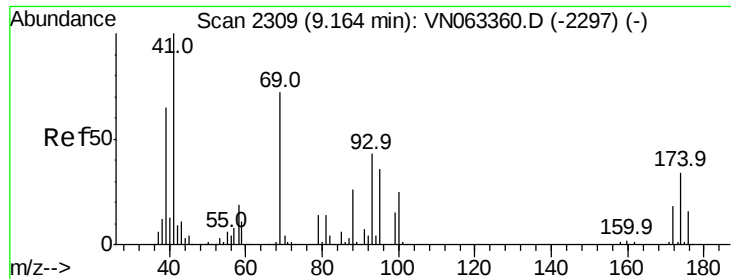
Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

127 0.0 6.3 9.5#

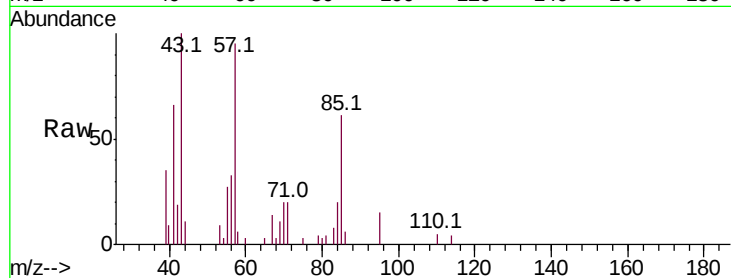




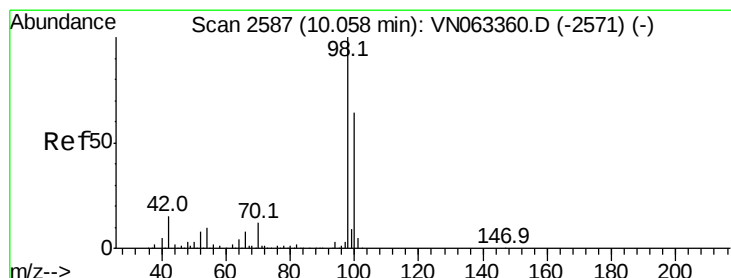
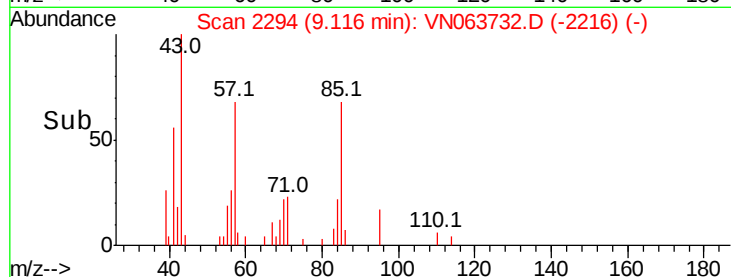
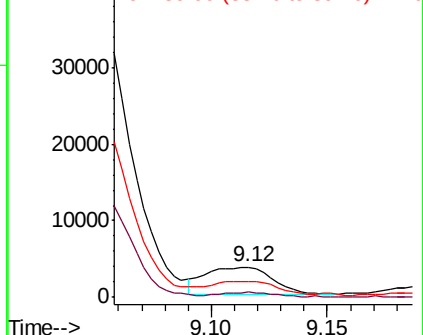
#48
Methyl methacrylate
Concen: 1.771 ug/l
RT: 9.12 min Scan# 2294
Delta R.T. -0.05 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Instrument :
MSVOA_N
ClientSampled :
TP-6DL

Tot Ion: 41 Resp: 7046
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 42.7 52.9 79.3#

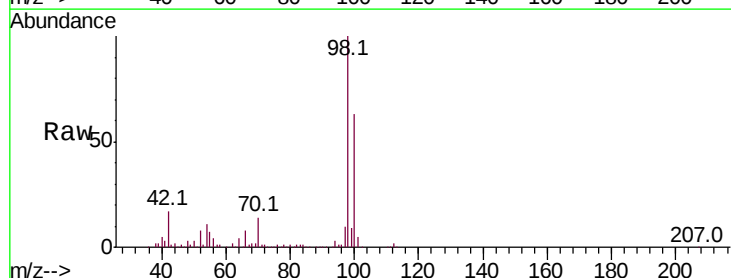


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

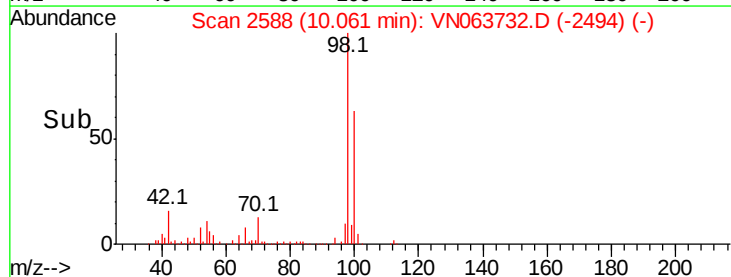
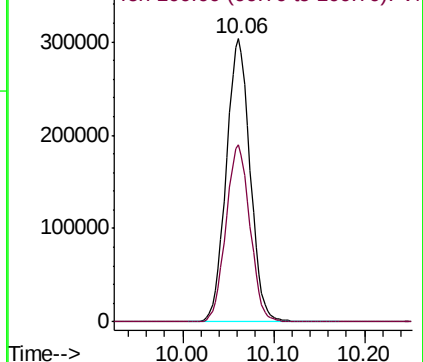


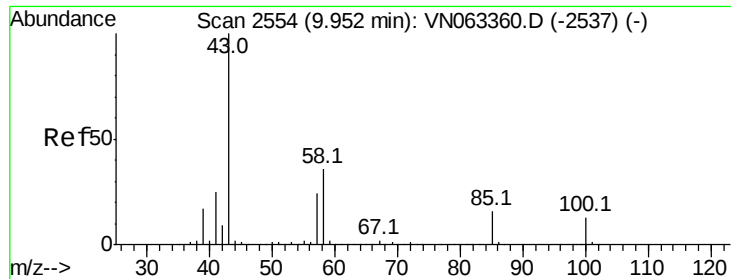
#50
Toluene-d8
Concen: 49.033 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 98 Resp: 552751
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1



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

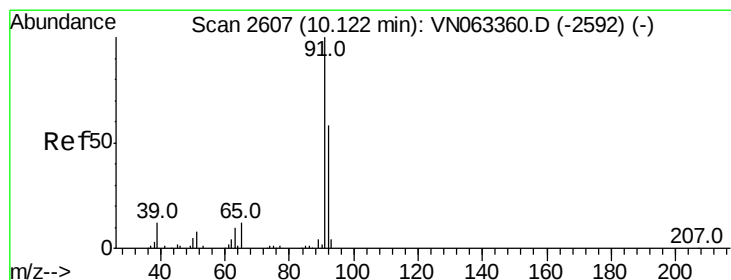
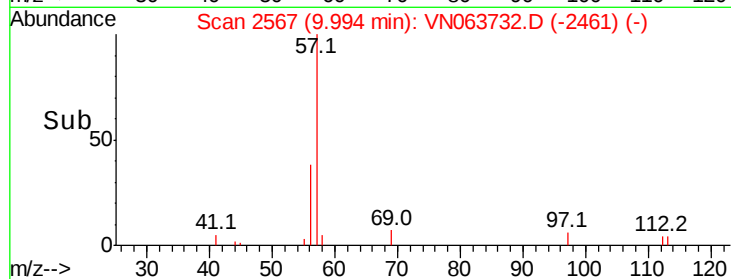
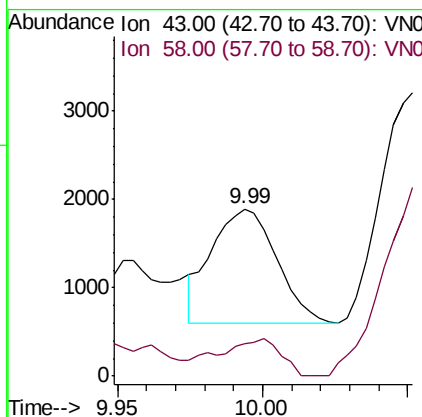
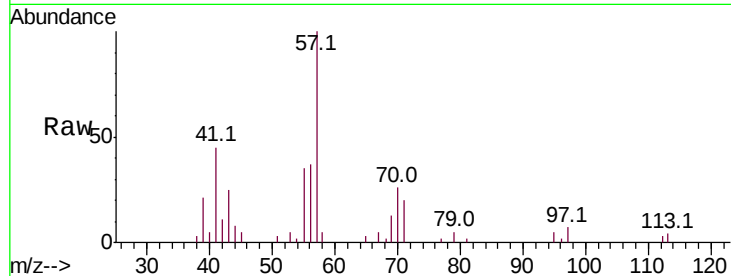




#51
4-Methyl-2-Pentanone
Concen: 0.442 ug/l
RT: 9.99 min Scan# 2567
Delta R.T. 0.04 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

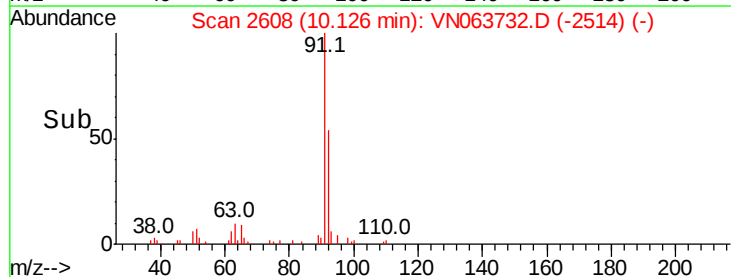
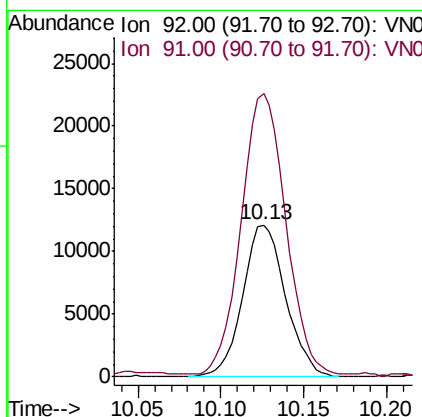
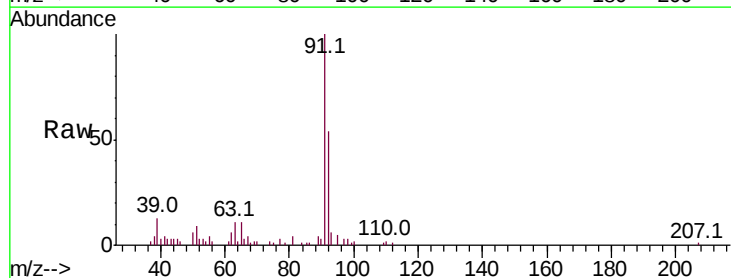
Instrument :
MSVOA_N
ClientSampleId :
TP-6DL

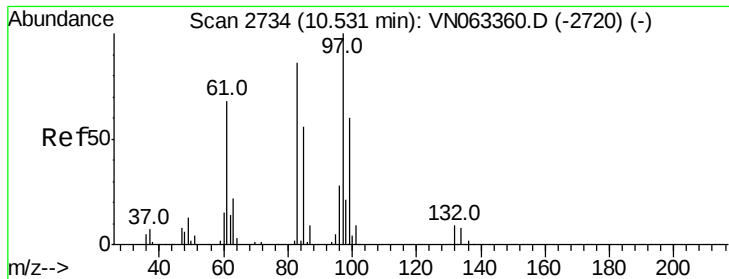
Tot Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
58 31.5 29.0 43.6



#52
Toluene
Concen: 2.756 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 92 Resp: 21825
Ion Ratio Lower Upper
92 100
91 192.6 139.7 209.5

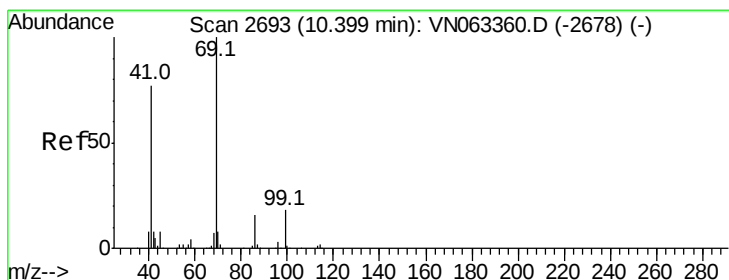
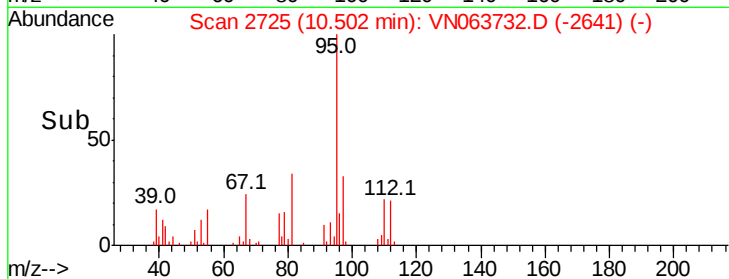
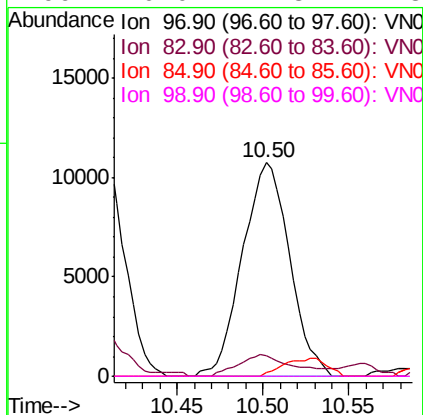
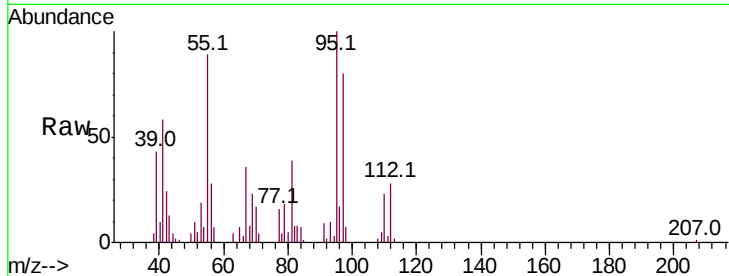




#55
 1,1,2-Trichloroethane
 Concen: 6.519 ug/l
 RT: 10.50 min Scan# 2725
 Delta R.T. -0.03 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

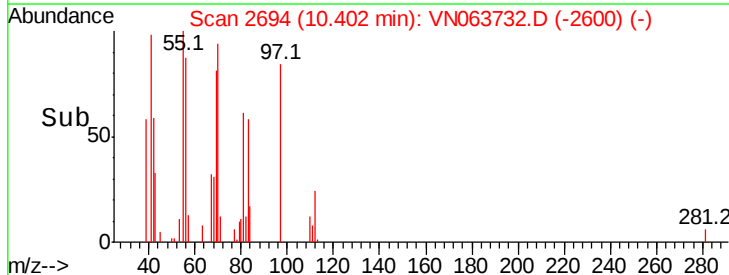
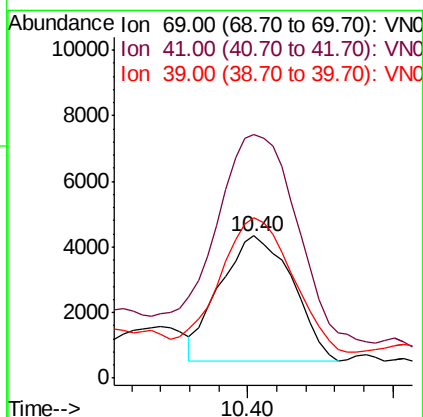
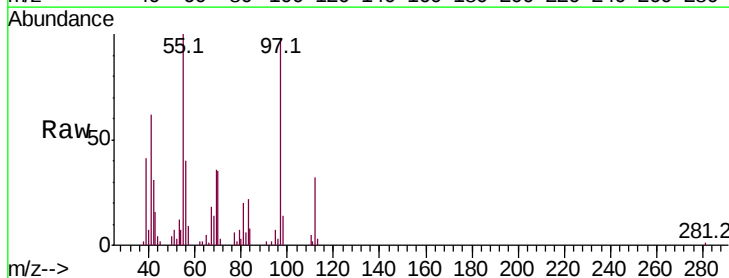
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6DL

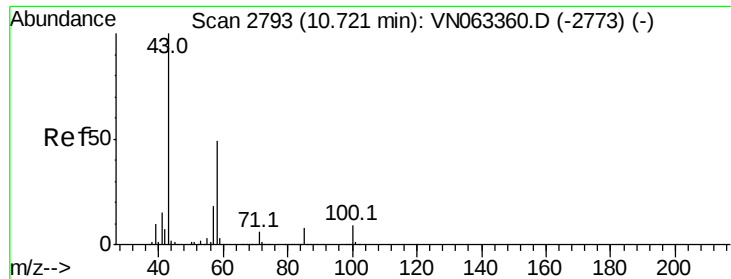
Tot Ion: 97 Resp: 20503
 Ion Ratio Lower Upper
 97 100
 83 9.8 68.9 103.3#
 85 1.6 44.8 67.2#
 99 0.0 47.8 71.8#



#56
 Ethyl methacrylate
 Concen: 1.359 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

Tgt Ion: 69 Resp: 6674
 Ion Ratio Lower Upper
 69 100
 41 183.3 61.0 91.6#
 39 129.7 39.2 58.8#





#59

2-Hexanone

Concen: 2.529 ug/l

RT: 10.69 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

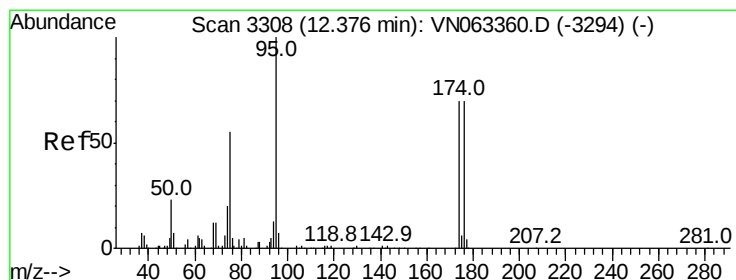
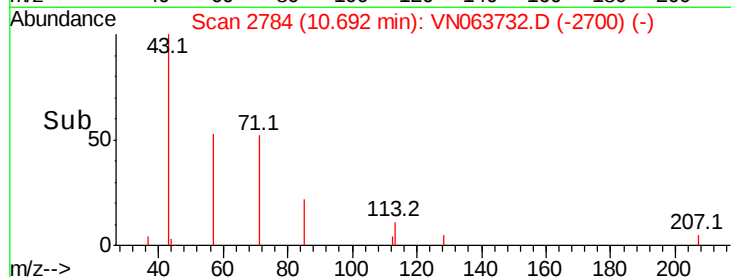
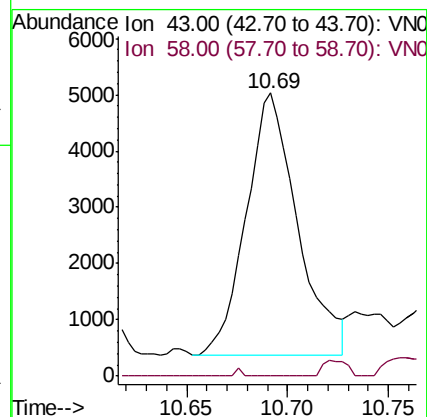
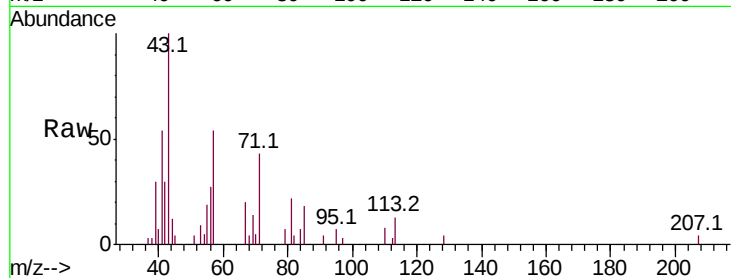
TP-6DL

Tot Ion: 43 Resp: 8305

Ion Ratio Lower Upper

43 100

58 0.3 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 55.402 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

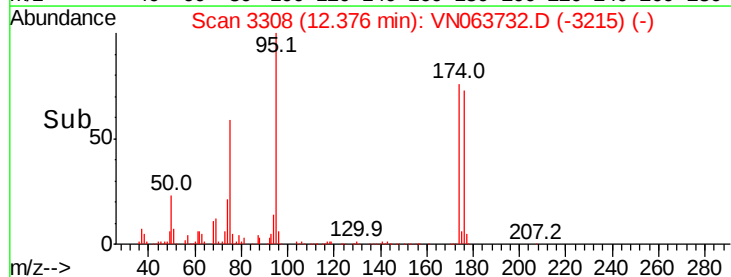
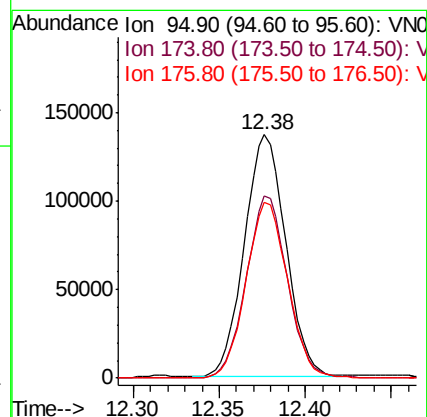
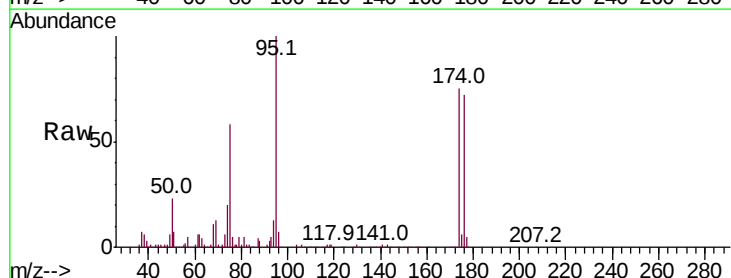
Tgt Ion: 95 Resp: 228948

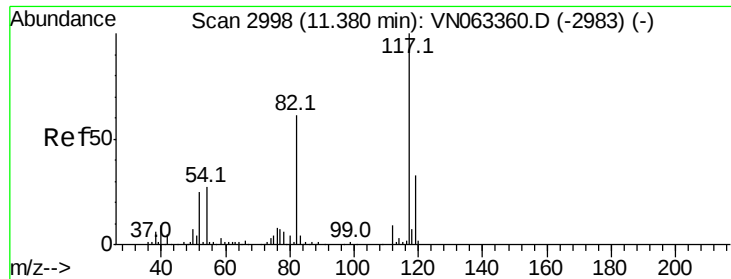
Ion Ratio Lower Upper

95 100

174 74.7 0.0 140.8

176 72.9 0.0 137.6

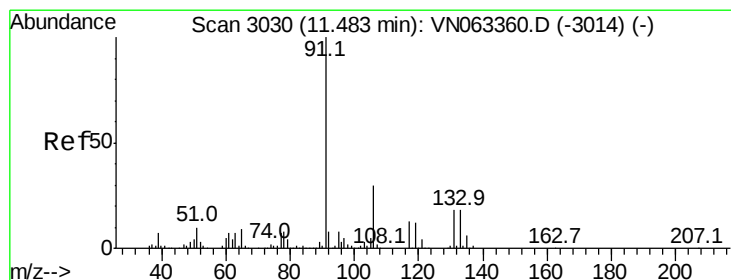
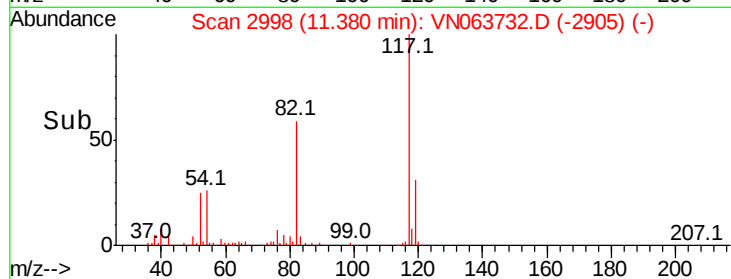
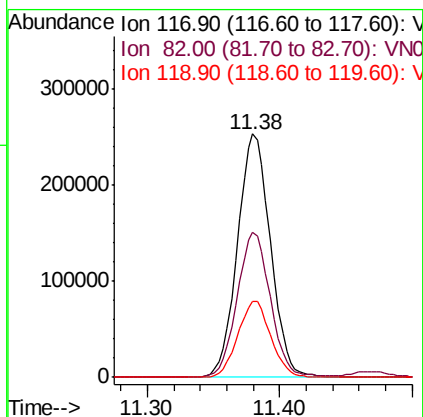
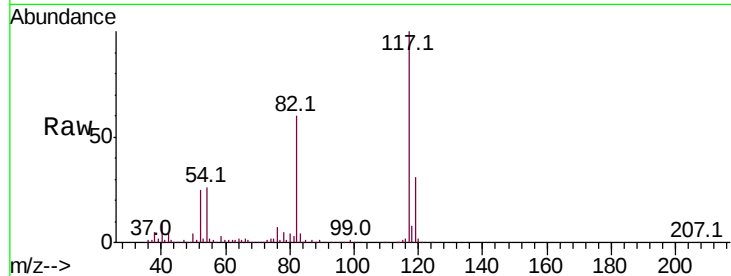




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

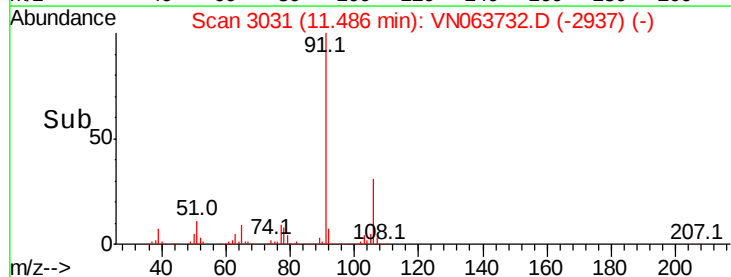
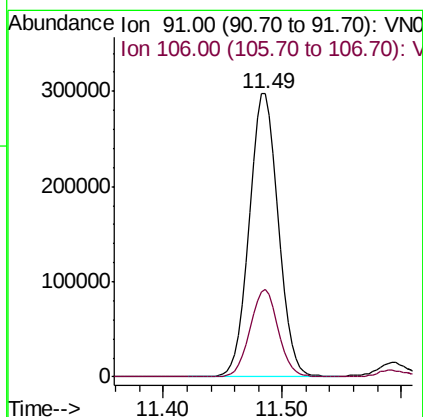
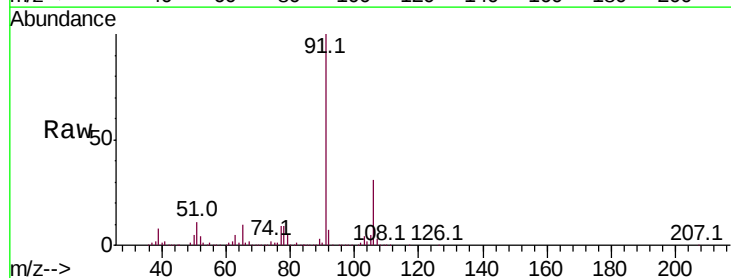
Instrument :
MSVOA_N
ClientSampled :
TP-6DL

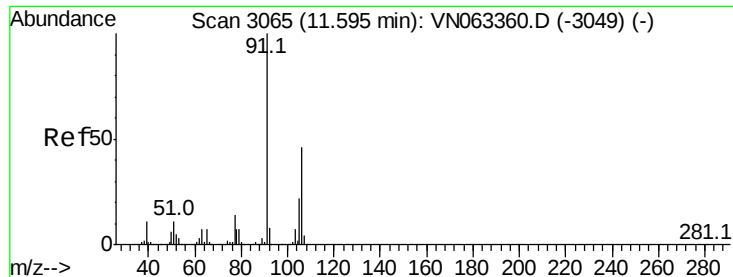
Tot Ion:117 Resp: 438334
Ion Ratio Lower Upper
117 100
82 59.5 49.2 73.8
119 31.0 26.2 39.4



#67
Ethyl Benzene
Concen: 28.652 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 91 Resp: 502041
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.6





#68

m/p-Xylenes

Concen: 2.015 ug/l

RT: 11.59 min Scan# 3063

Delta R.T. -0.01 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

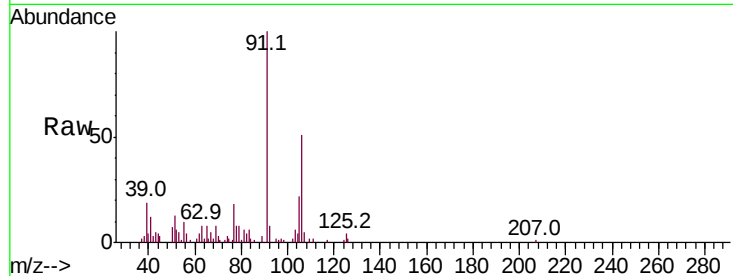
TP-6DL

Tot Ion:106 Resp: 12728

Ion Ratio Lower Upper

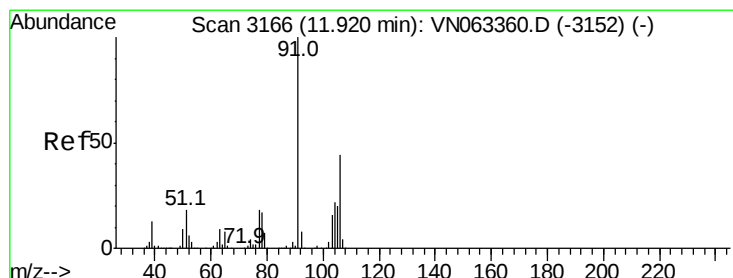
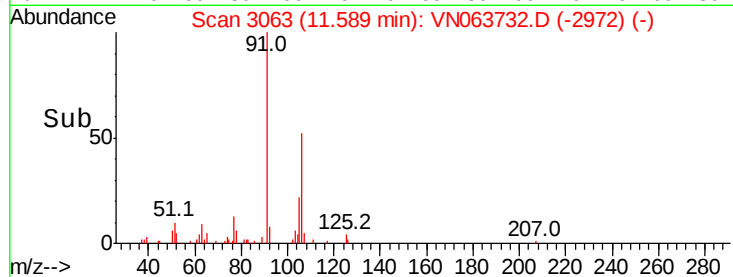
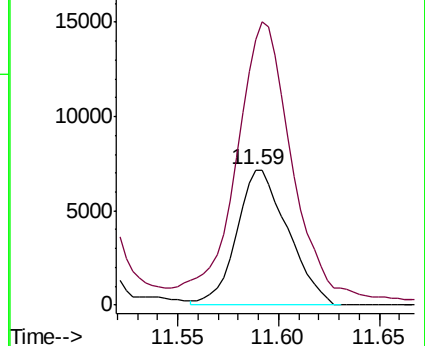
106 100

91 223.4 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.083 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063732.D

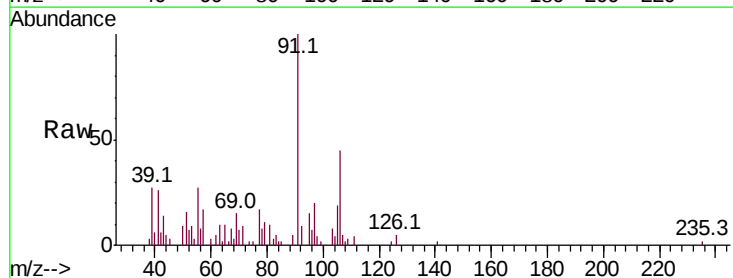
Acq: 29 Sep 2020 17:28

Tgt Ion:106 Resp: 6515

Ion Ratio Lower Upper

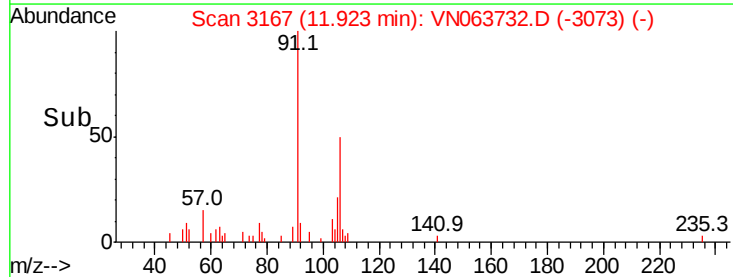
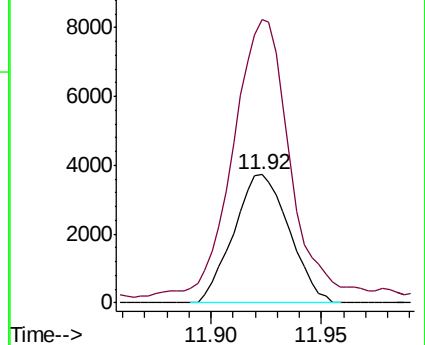
106 100

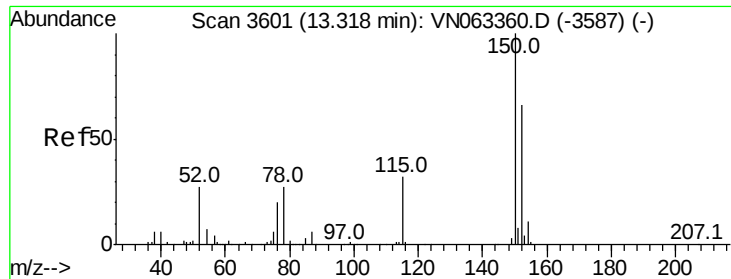
91 222.1 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

TP-6DL

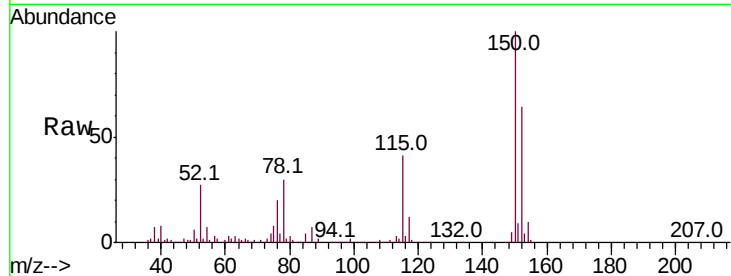
Tot Ion:152 Resp: 203812

Ion Ratio Lower Upper

152 100

115 62.6 32.2 96.6

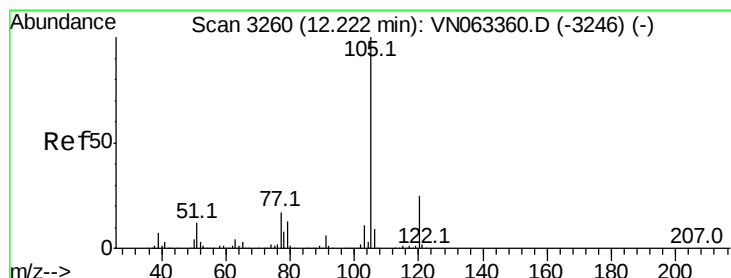
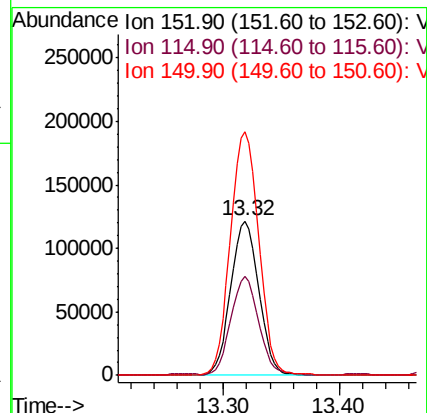
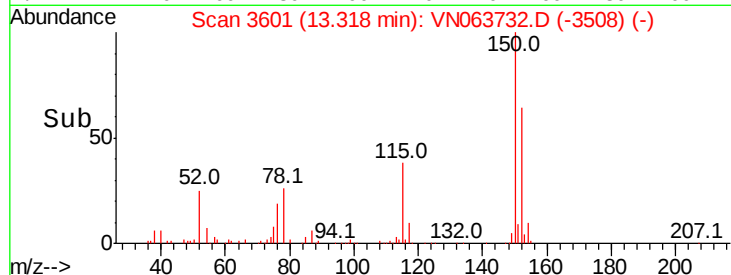
150 159.1 0.0 343.4



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: 9.373 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063732.D

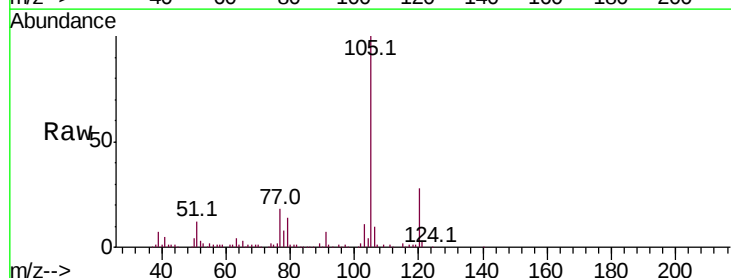
Acq: 29 Sep 2020 17:28

Tgt Ion:105 Resp: 153083

Ion Ratio Lower Upper

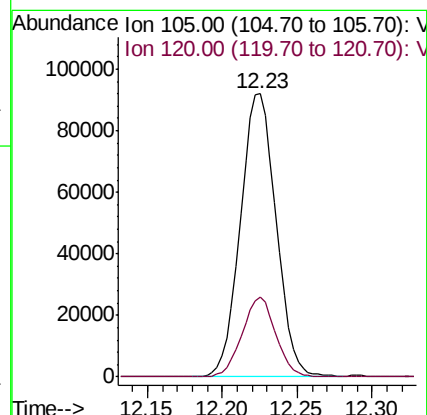
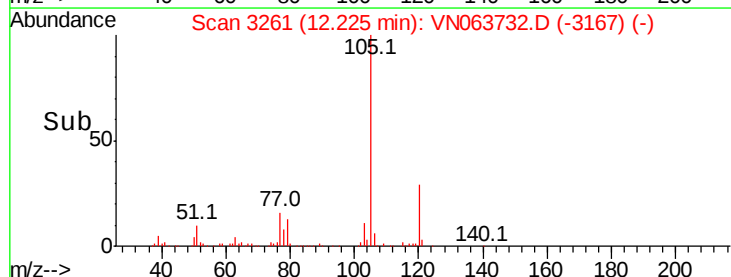
105 100

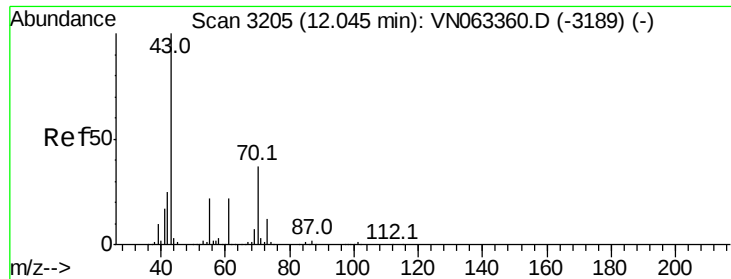
120 26.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

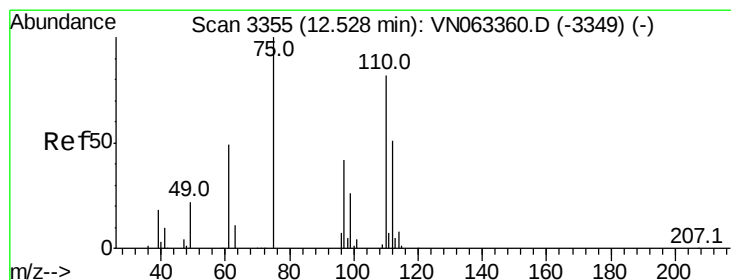
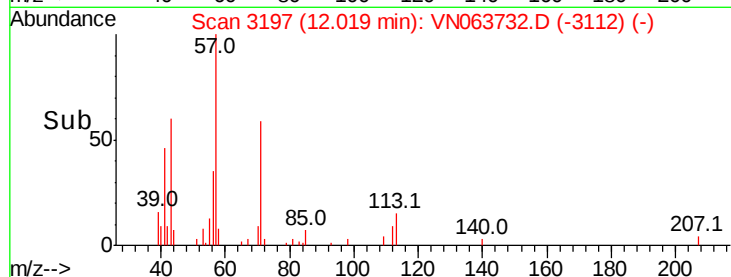
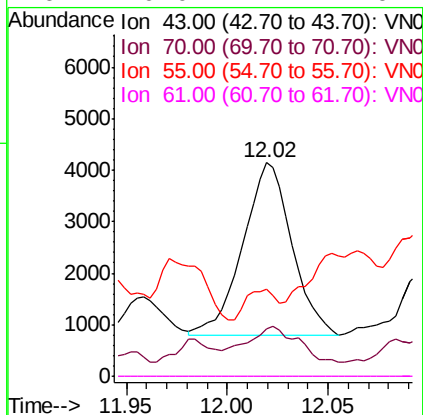
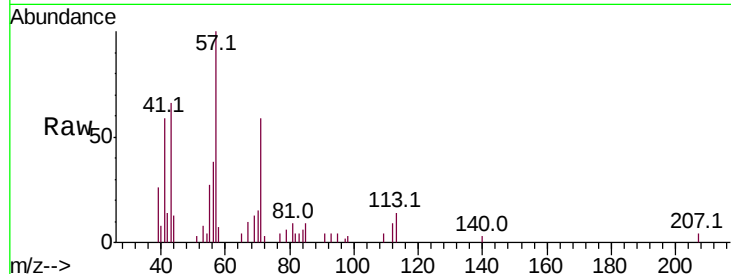




#74
N-amvl acetate
Concen: 0.732 ug/l
RT: 12.02 min Scan# 3197
Delta R.T. -0.03 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

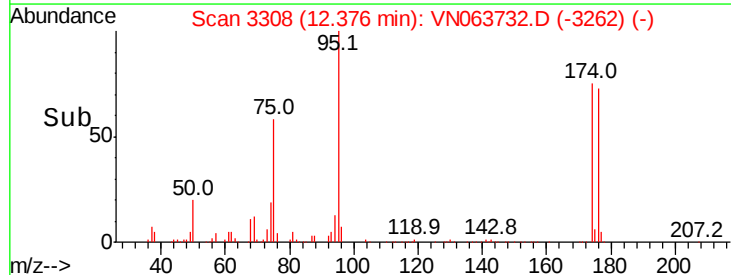
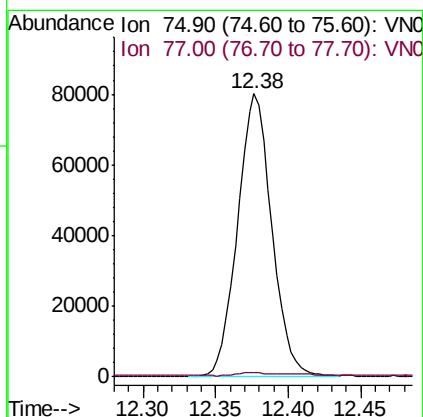
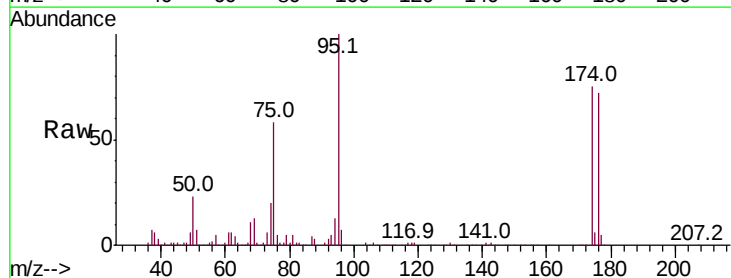
Instrument :
MSVOA_N
ClientSampled :
TP-6DL

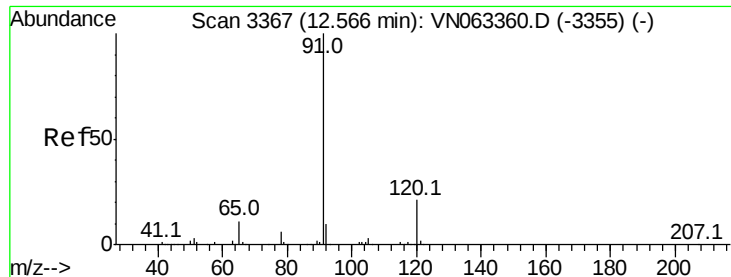
Tot Ion: 43 Resp: 5658
Ion Ratio Lower Upper
43 100
70 17.1 29.6 44.4#
55 11.0 17.7 26.5#
61 0.0 17.4 26.2#



#76
1,2,3-Trichloropropane
Concen: 26.120 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 75 Resp: 131768
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#78

n-propylbenzene

Concen: 25.237 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

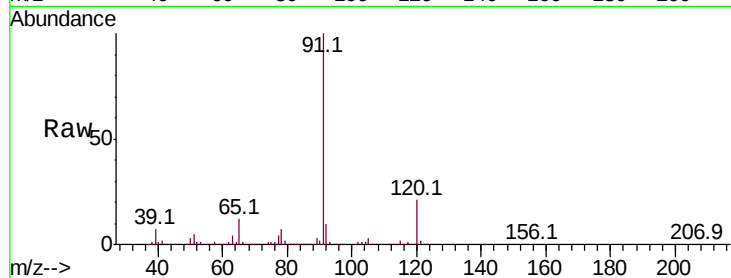
TP-6DL

Tot Ion: 91 Resp: 480069

Ion Ratio Lower Upper

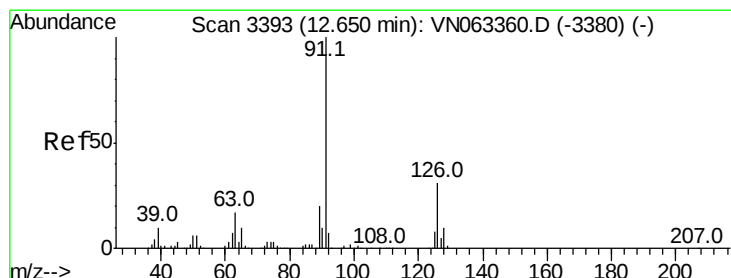
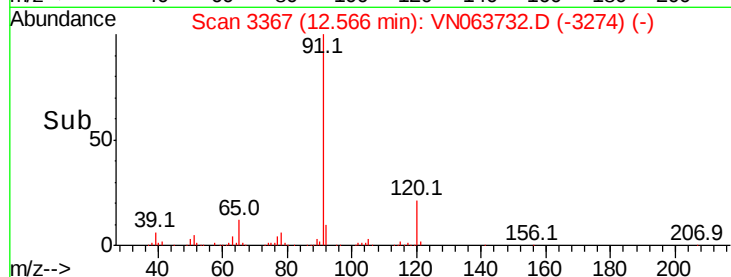
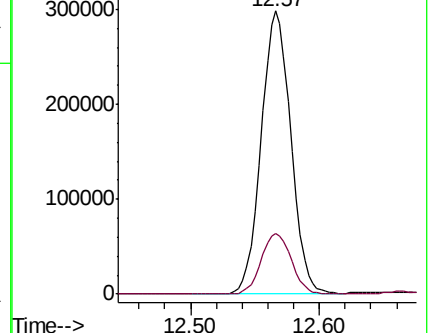
91 100

120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 42.100 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN063732.D

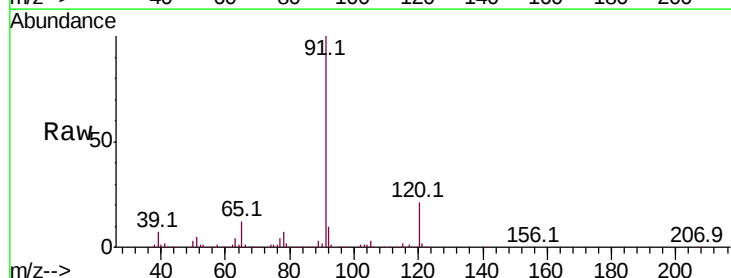
Acq: 29 Sep 2020 17:28

Tgt Ion: 91 Resp: 480069

Ion Ratio Lower Upper

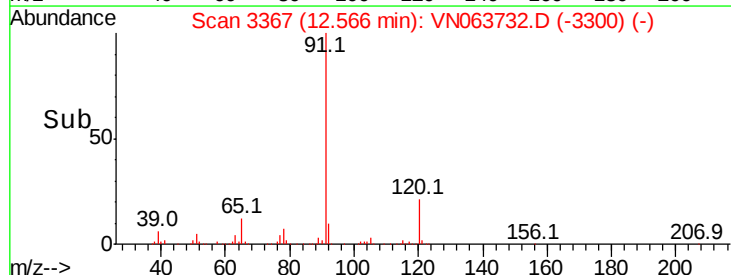
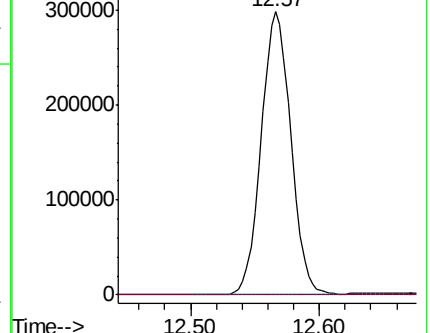
91 100

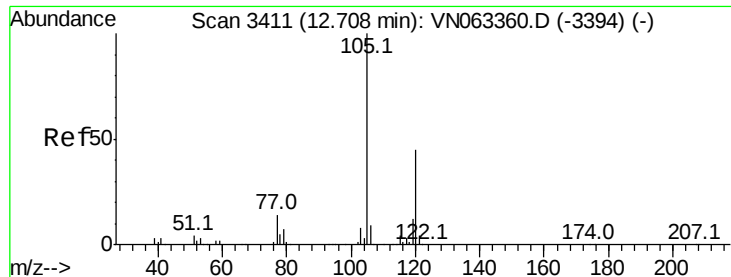
126 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 7.441 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

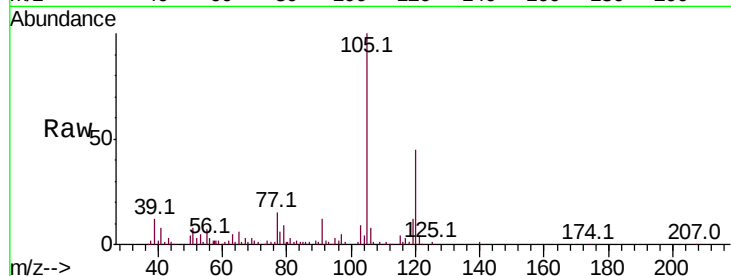
TP-6DL

Tot Ion:105 Resp: 101346

Ion Ratio Lower Upper

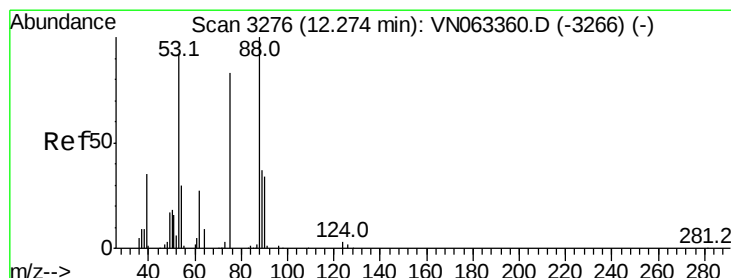
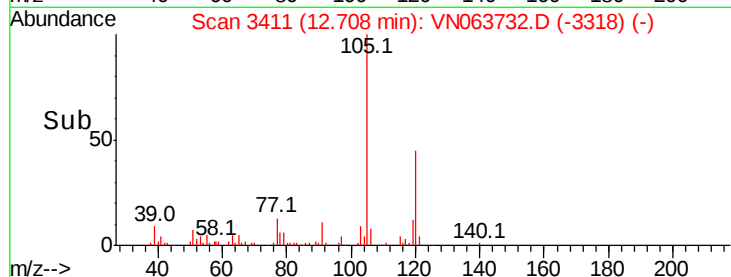
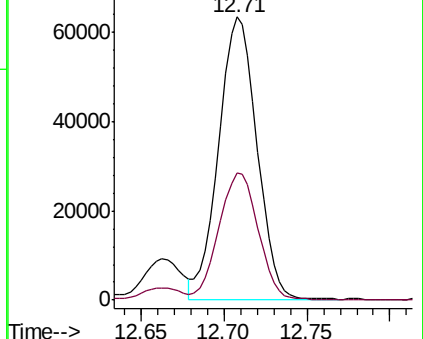
105 100

120 46.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 71.612 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

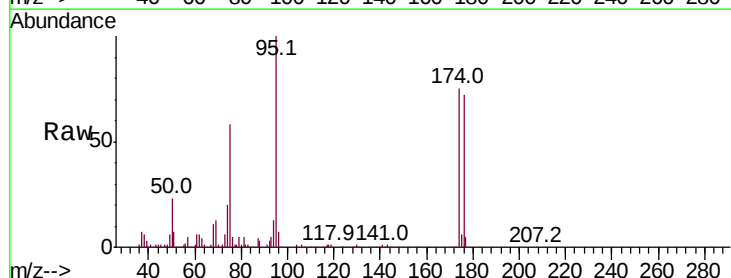
Tgt Ion: 75 Resp: 131768

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

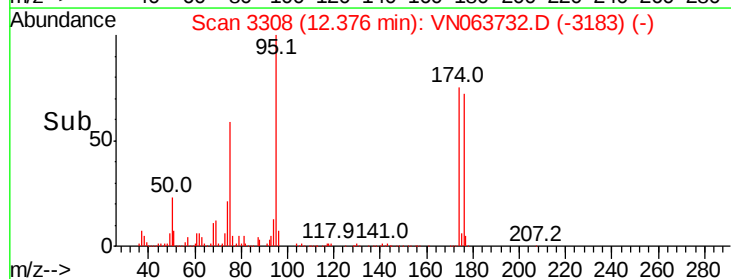
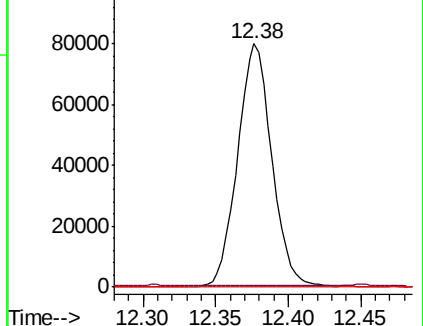
89 0.0 38.0 57.0#

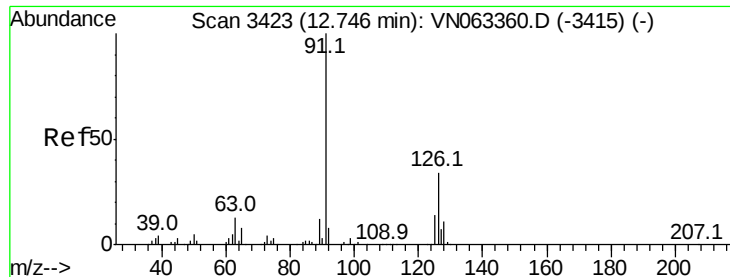


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

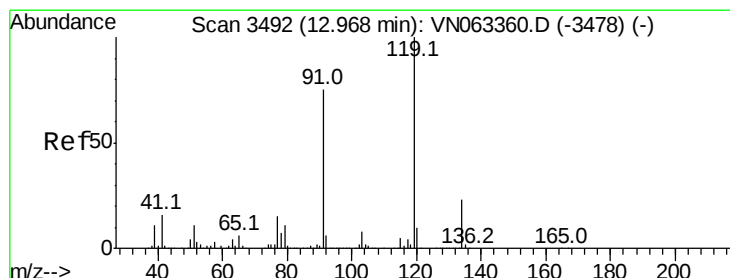
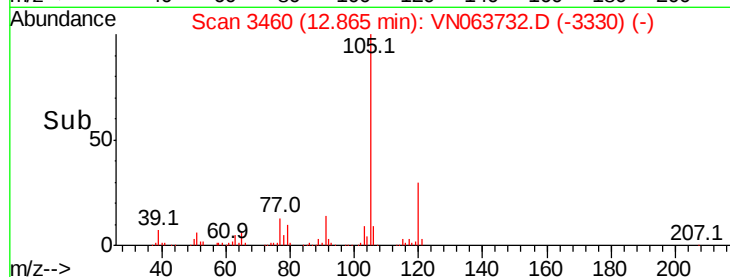
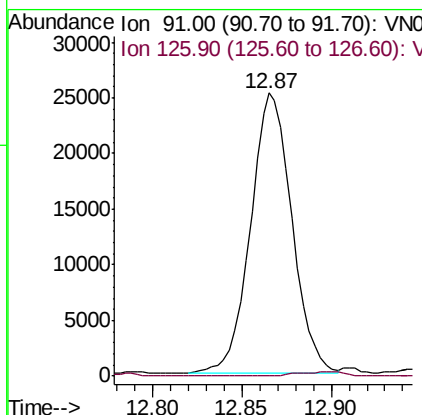
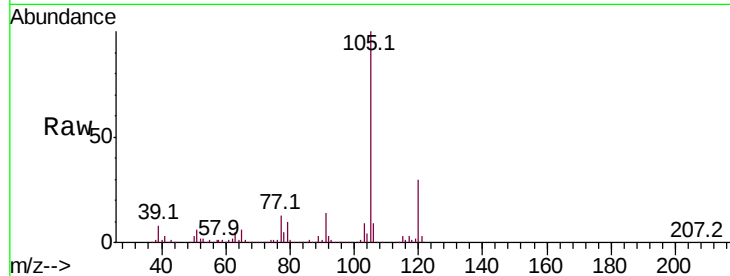




#82
4-Chlorotoluene
Concen: 3.380 ug/l
RT: 12.87 min Scan# 3460
Delta R.T. 0.12 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

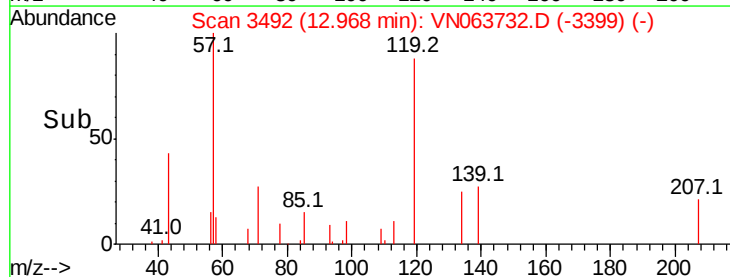
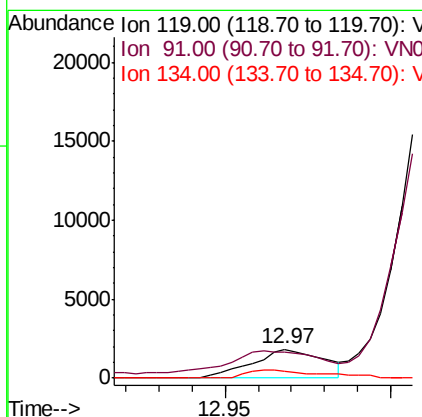
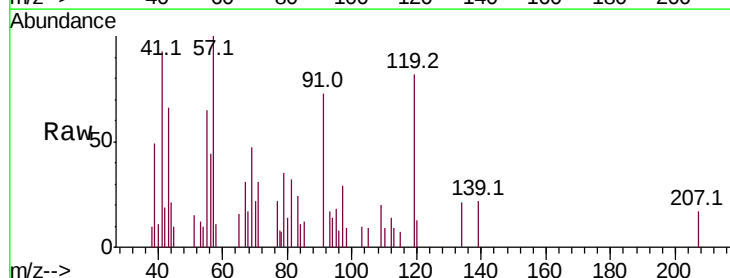
Instrument :
MSVOA_N
ClientSampleId :
TP-6DL

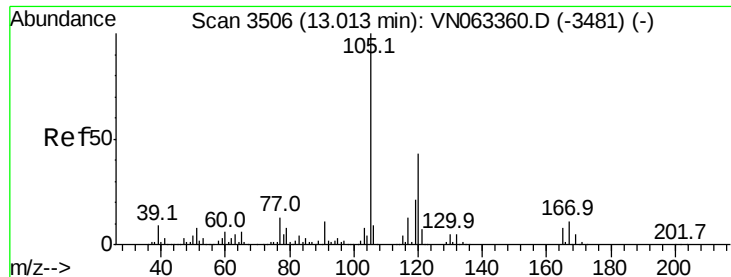
Tot Ion: 91 Resp: 40725
Ion Ratio Lower Upper
91 100
126 0.6 15.5 46.5#



#83
tert-Butylbenzene
Concen: 0.238 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063732.D
Acq: 29 Sep 2020 17:28

Tgt Ion: 119 Resp: 2675
Ion Ratio Lower Upper
119 100
91 98.2 36.3 108.9
134 31.1 12.3 36.8





#84

1,2,4-Trimethylbenzene

Concen: 19.210 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

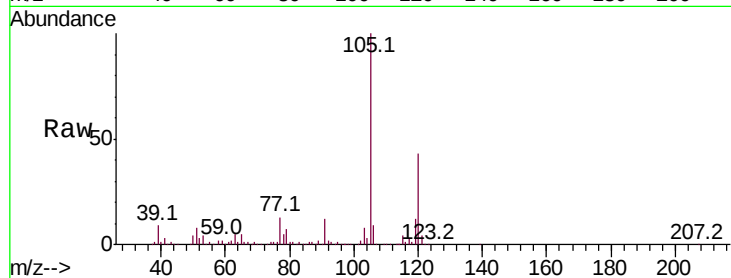
TP-6DL

Tot Ion:105 Resp: 264260

Ion Ratio Lower Upper

105 100

120 43.3 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.02

150000

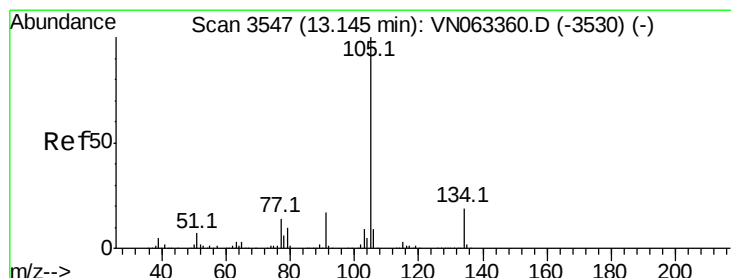
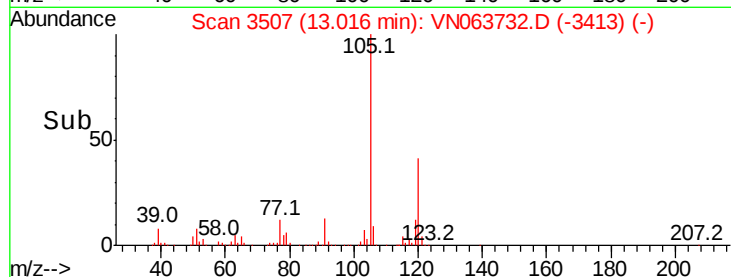
100000

50000

0

Time-->

12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 3.684 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063732.D

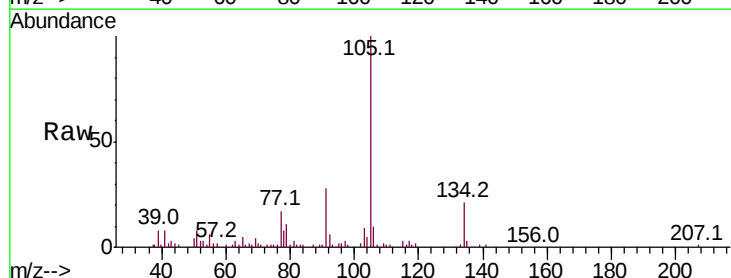
Acq: 29 Sep 2020 17:28

Tgt Ion:105 Resp: 55436

Ion Ratio Lower Upper

105 100

134 33.7 9.3 27.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

40000

30000

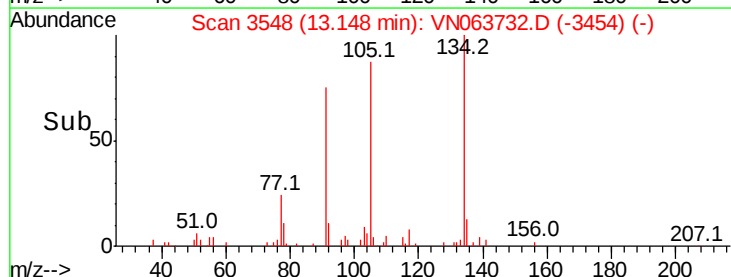
20000

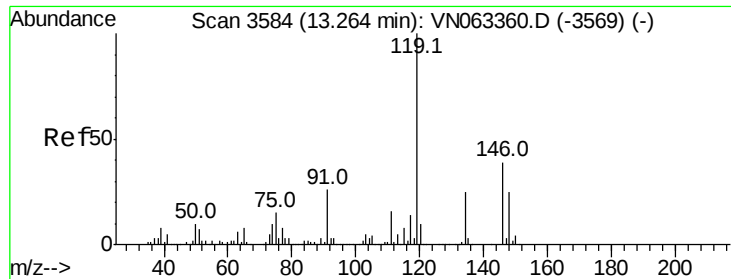
10000

0

Time-->

13.10 13.15 13.20

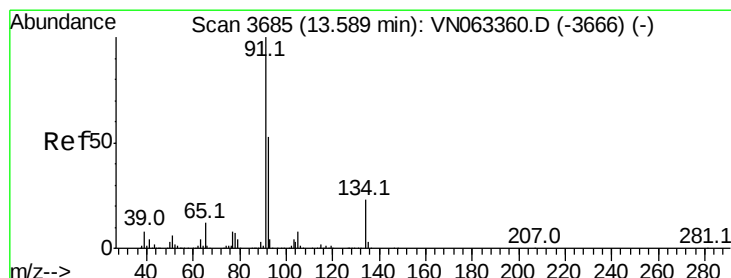
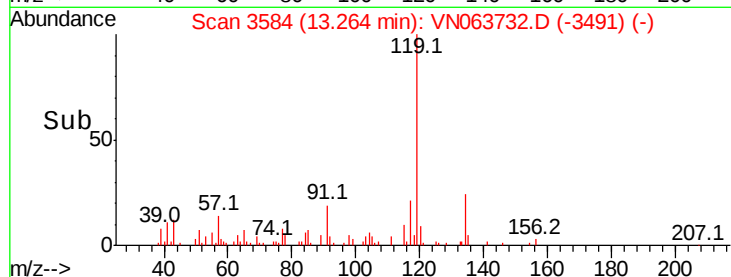
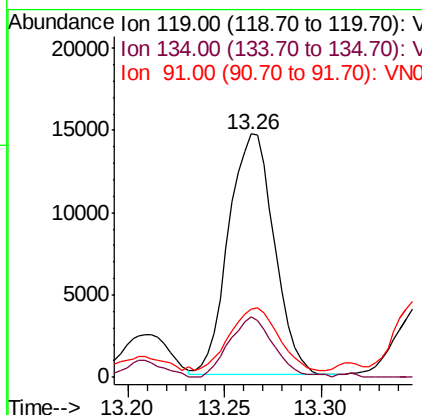
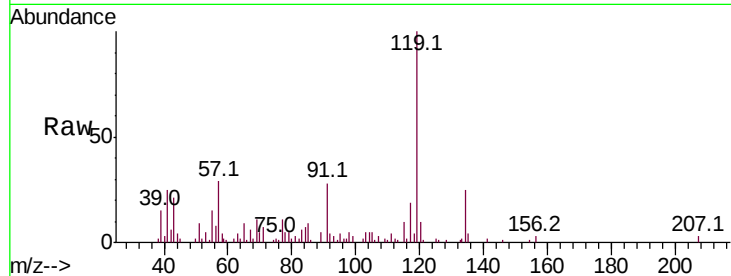




#86
 p-Isopropyltoluene
 Concen: 1.799 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

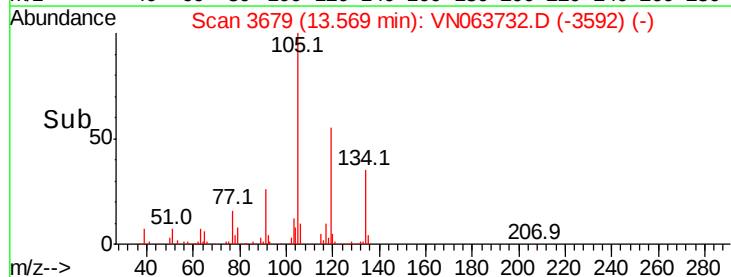
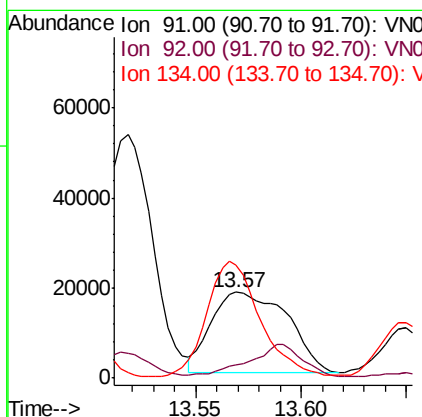
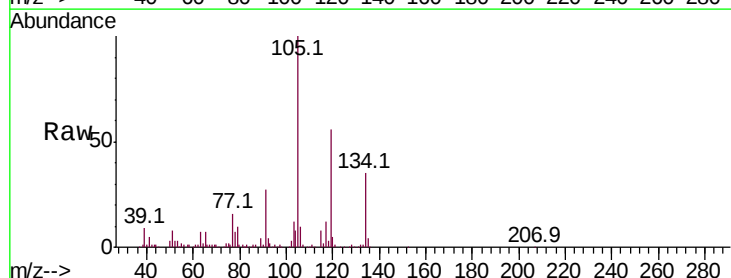
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6DL

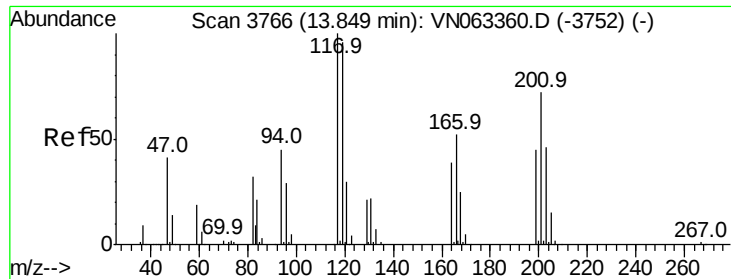
Tot Ion:119 Resp: 23879
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.5 37.5
 91 27.9 13.4 40.1



#89
 n-Butylbenzene
 Concen: 3.639 ug/l
 RT: 13.57 min Scan# 3679
 Delta R.T. -0.02 min
 Lab File: VN063732.D
 Acq: 29 Sep 2020 17:28

Tgt Ion: 91 Resp: 44512
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.0 78.0#
 134 101.8 11.7 35.0#





#90

Hexachloroethane

Concen: 29.605 ug/l

RT: 13.87 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

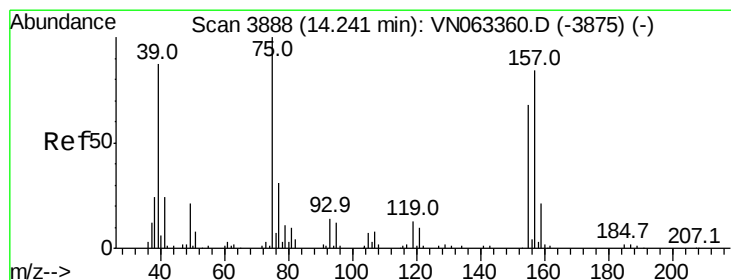
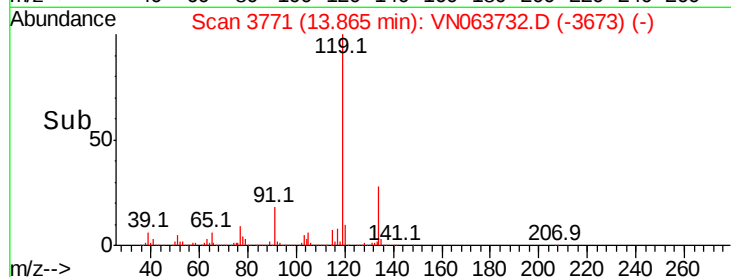
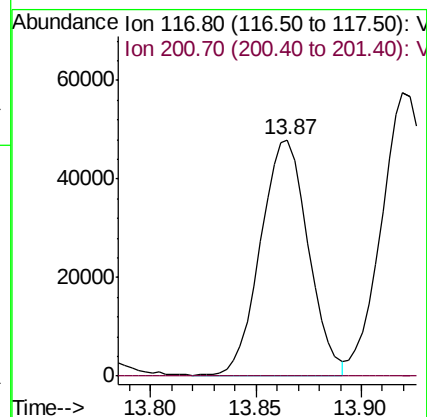
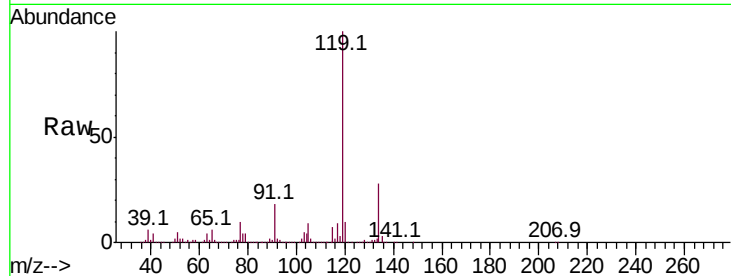
TP-6DL

Tot Ion:117 Resp: 74810

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.474 ug/l

RT: 14.26 min Scan# 3895

Delta R.T. 0.02 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

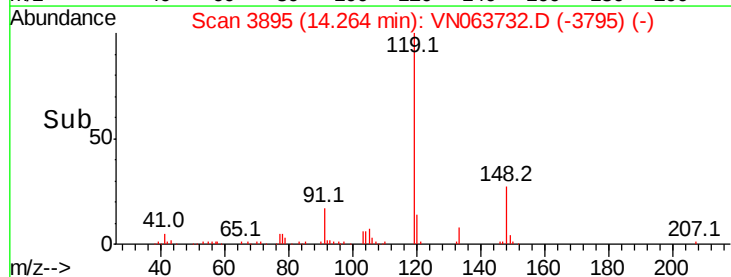
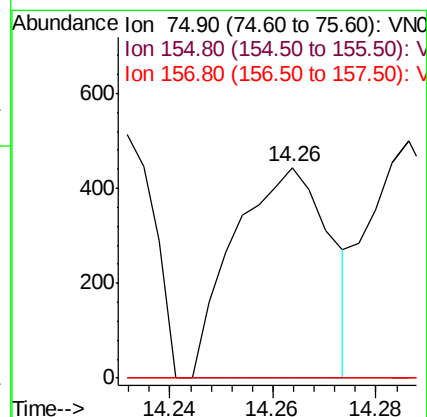
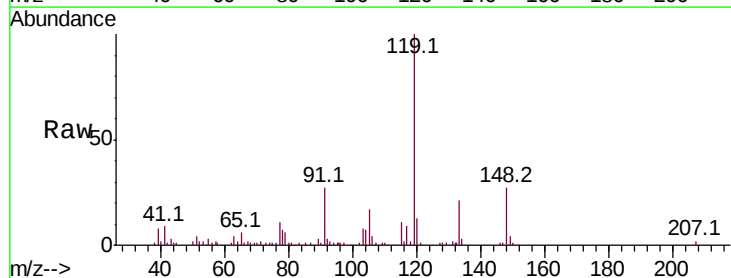
Tgt Ion: 75 Resp: 571

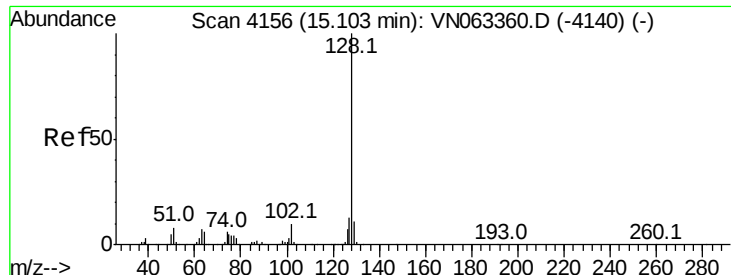
Ion Ratio Lower Upper

75 100

155 0.0 34.6 103.9#

157 0.0 43.7 131.1#





#95

Naphthalene

Concen: 31.985 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063732.D

Acq: 29 Sep 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

TP-6DL

Tot Ion:128 Resp: 416482

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.6 8.8 13.2

