

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063756.D
 Acq On : 30 Sep 2020 17:55
 Operator : JC/MD
 Sample : L4178-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4DL

Quant Time: Oct 01 02:15:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	190389	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	136967	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
50) Toluene-d8	10.06	98	563220	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.38	95	235160	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.73	59	221	0.508	ug/l #	71
13) Acrolein	3.73	56	95	0.356	ug/l #	14
15) Acrylonitrile	5.00	53	2920	2.344	ug/l #	39
16) Acetone	3.77	43	3087	2.544	ug/l #	85
17) Carbon Disulfide	4.00	76	1371	0.909	ug/l #	86
18) Methyl Acetate	4.48	43	12732	4.042	ug/l #	54
20) Methylene Chloride	4.50	84	471	0.267	ug/l #	51
25) 2-Butanone	6.76	43	1522	0.885	ug/l #	51
29) Tetrahydrofuran	7.20	42	417	0.361	ug/l #	48
31) Cyclohexane	7.61	56	70488	15.405	ug/l #	96
36) 1,1-Dichloropropene	7.62	75	22525	5.082	ug/l #	52
38) Carbon Tetrachloride	7.62	117	26116	5.254	ug/l #	15
39) Methylcyclohexane	9.05	83	126809	28.688	ug/l	98
43) Isopropyl Acetate	8.11	43	8953	1.233	ug/l #	64
45) 1,2-Dichloropropane	9.04	63	1556	0.455	ug/l #	1
48) Methyl methacrylate	9.11	41	6737	1.877	ug/l #	48
51) 4-Methyl-2-Pentanone	10.00	43	3171	0.744	ug/l #	57
52) Toluene	10.13	92	7932	1.013	ug/l	98
55) 1,1,2-Trichloroethane	10.50	97	13744	4.376	ug/l #	20
56) Ethyl methacrylate	10.40	69	5865	1.318	ug/l #	1
59) 2-Hexanone	10.69	43	9829	3.104	ug/l #	30
67) Ethyl Benzene	11.48	91	2729601	163.968	ug/l	99
68) m/p-Xylenes	11.59	106	44746	7.212	ug/l	99
69) o-Xylene	11.92	106	3666	0.632	ug/l	95
71) Bromoform	12.38	173	646	0.241	ug/l #	1
73) Isopropylbenzene	12.23	105	308434	19.575	ug/l	99
74) N-amyl acetate	12.02	43	4311	2.779	ug/l #	68
76) 1,2,3-Trichloropropane	12.57	75	7939	1.667	ug/l #	100
78) n-propylbenzene	12.57	91	1042970	56.878	ug/l	98
79) 2-Chlorotoluene	12.66	91	31816	2.821	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.71	105	1400112	105.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	5021	3.037	ug/l #	61
82) 4-Chlorotoluene	12.71	91	167000	14.264	ug/l #	44
83) tert-Butylbenzene	13.02	119	831113	76.866	ug/l #	61

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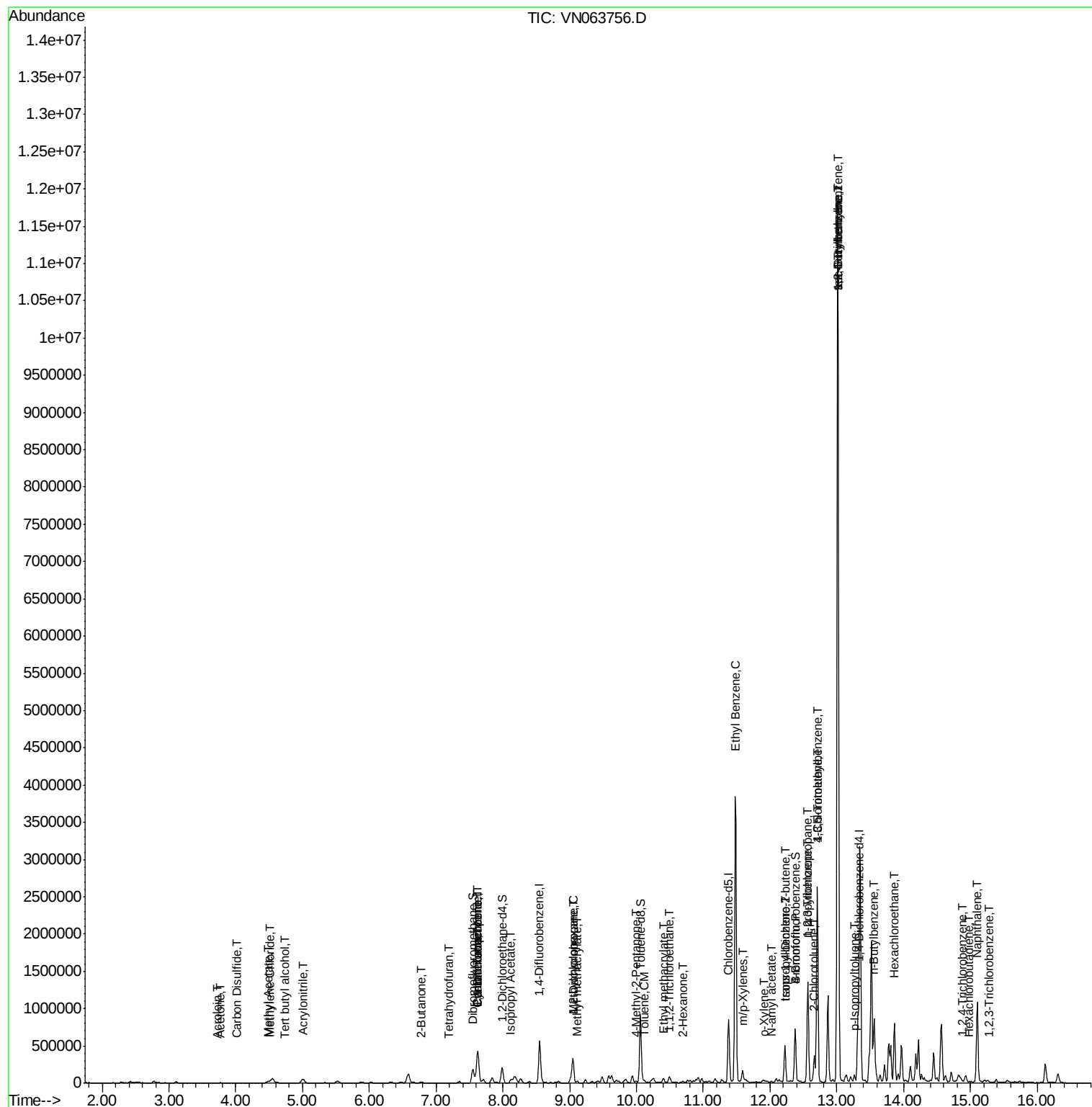
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.02	105	5879189	445.475	ug/l	84
85) sec-Butylbenzene	13.02	105	5879189	413.979	ug/l #	58
86) p-Isopropyltoluene	13.26	119	41780	3.325	ug/l #	71
89) n-Butylbenzene	13.56	91	36353	3.135	ug/l #	1
90) Hexachloroethane	13.86	117	39524	16.235	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.88	180	1287	2.066	ug/l #	23
94) Hexachlorobutadiene	14.99	225	779	0.481	ug/l	92
95) Naphthalene	15.10	128	868425	73.562	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	1080	1.854	ug/l #	53

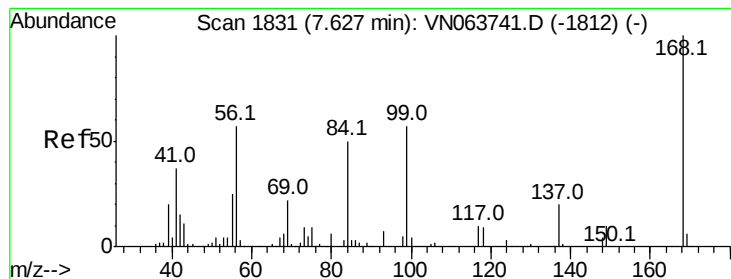
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

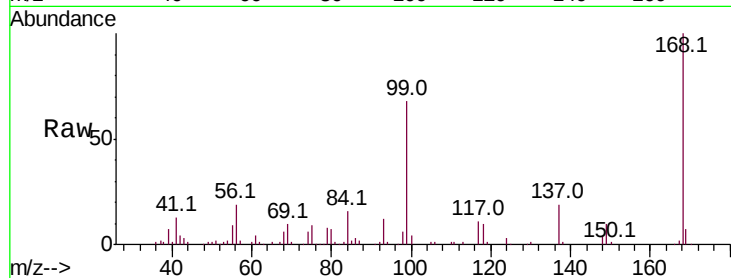
TP-4DL

Tot Ion:168 Resp: 238566

Ion Ratio Lower Upper

168 100

99 67.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

60000

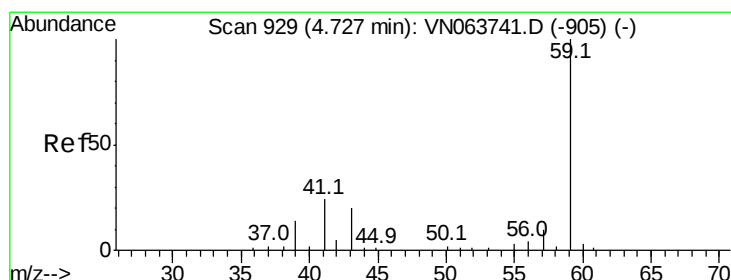
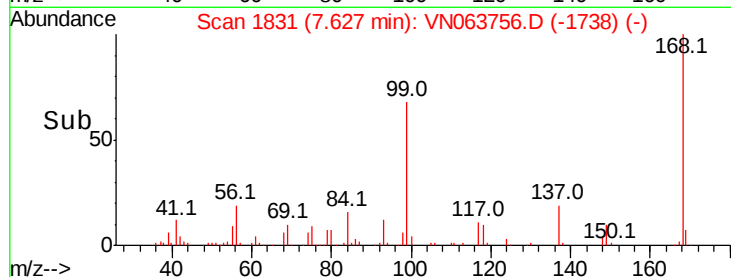
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.508 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063756.D

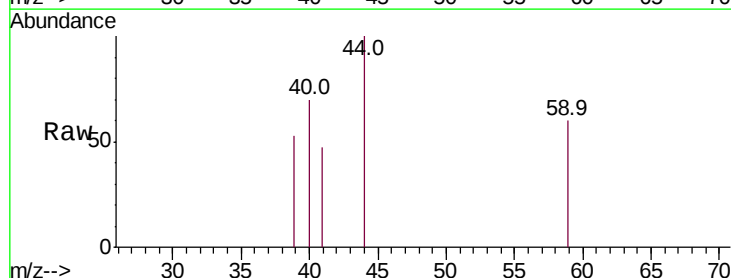
Acq: 30 Sep 2020 17:55

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

250

200

150

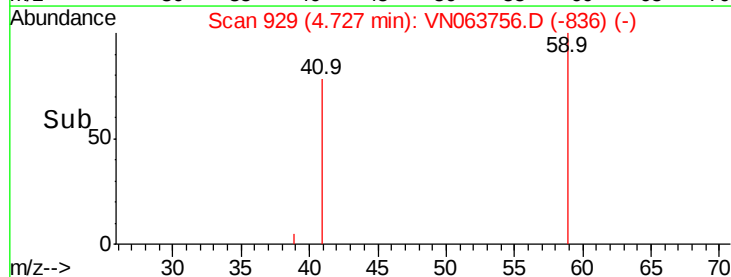
100

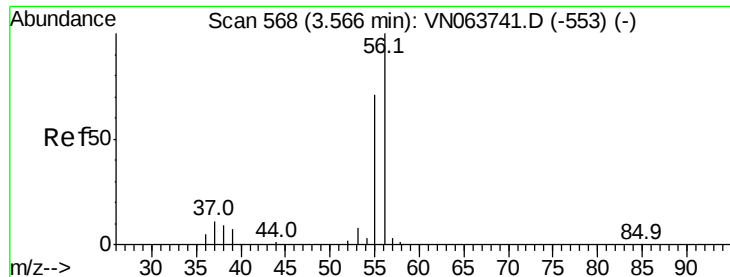
50

0

4.71 4.72 4.73 4.74

Time-->





#13

Acrolein

Concen: 0.356 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.16 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

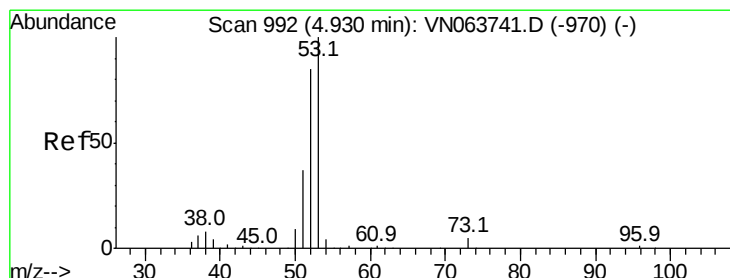
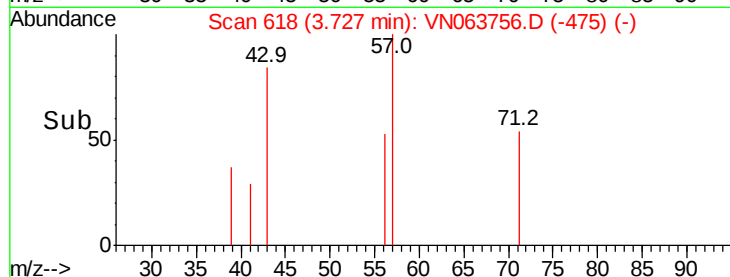
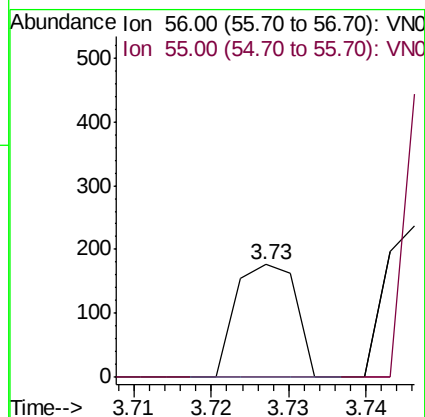
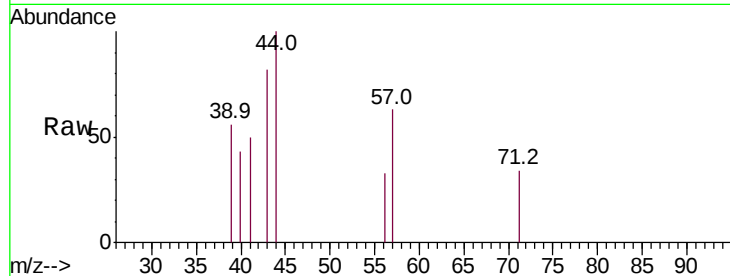
TP-4DL

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#15

Acrylonitrile

Concen: 2.344 ug/l

RT: 5.00 min Scan# 1015

Delta R.T. 0.07 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

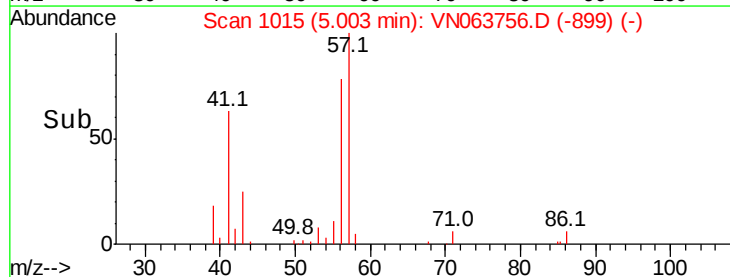
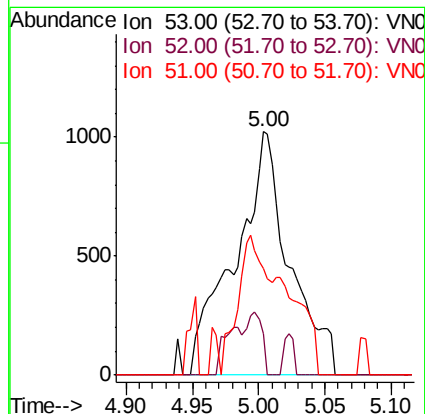
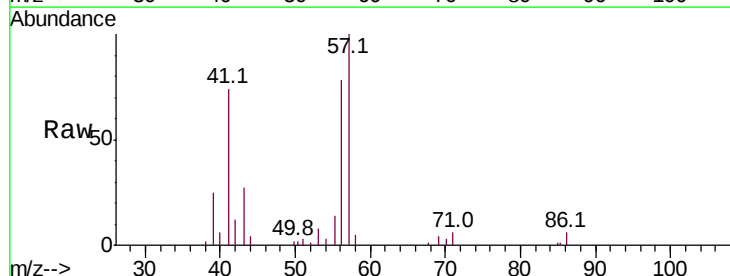
Tgt Ion: 53 Resp: 2920

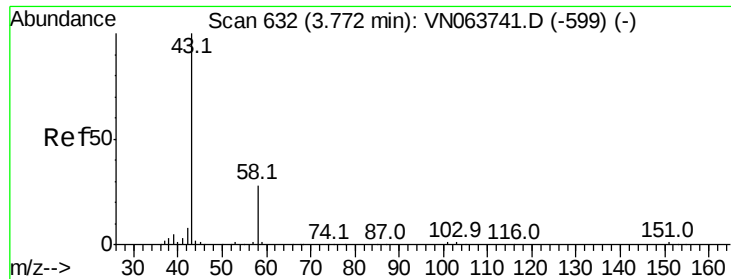
Ion Ratio Lower Upper

53 100

52 7.4 66.5 99.7#

51 30.6 29.9 44.9





#16

Acetone

Concen: 2.544 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

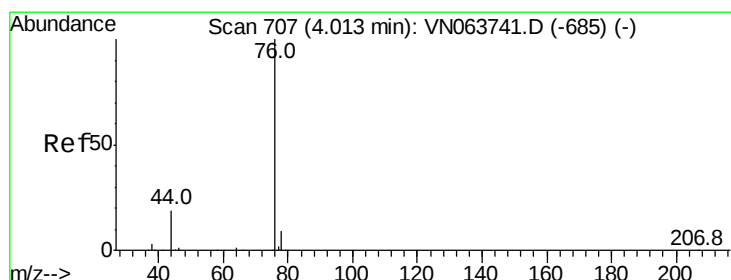
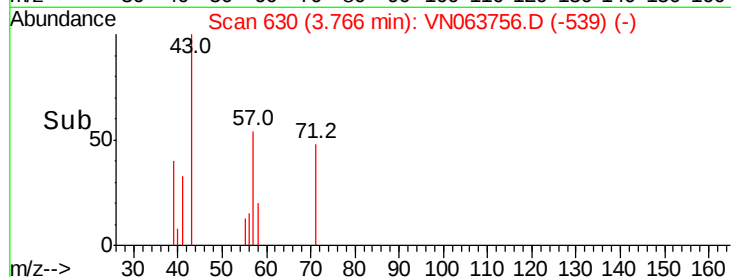
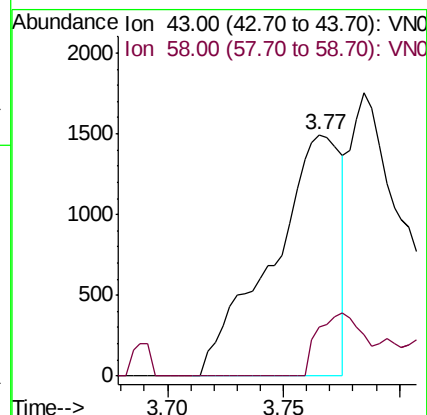
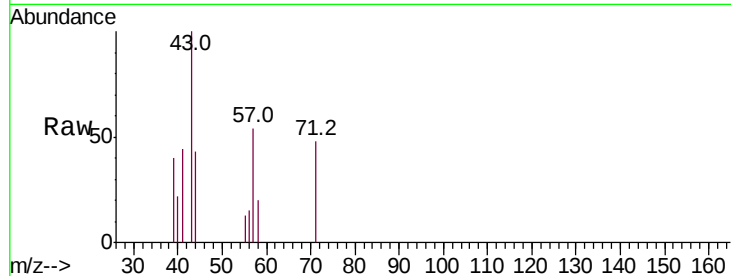
TP-4DL

Tot Ion: 43 Resp: 3087

Ion Ratio Lower Upper

43 100

58 20.1 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.909 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063756.D

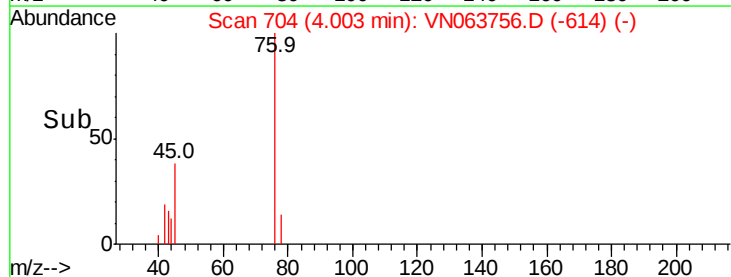
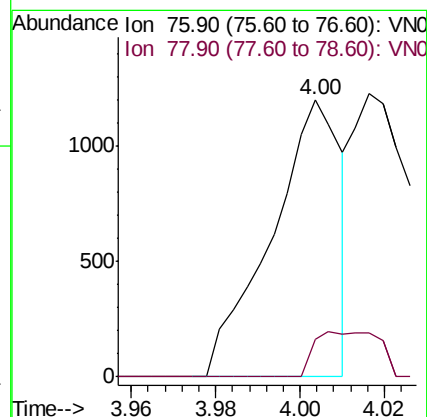
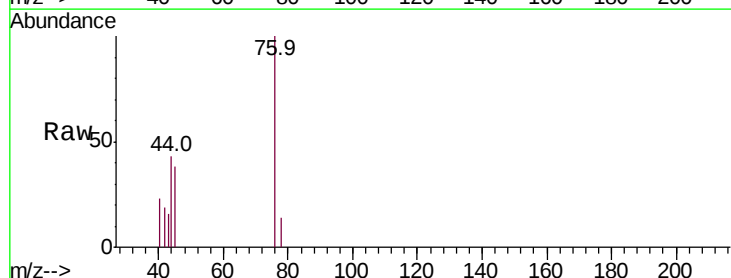
Acq: 30 Sep 2020 17:55

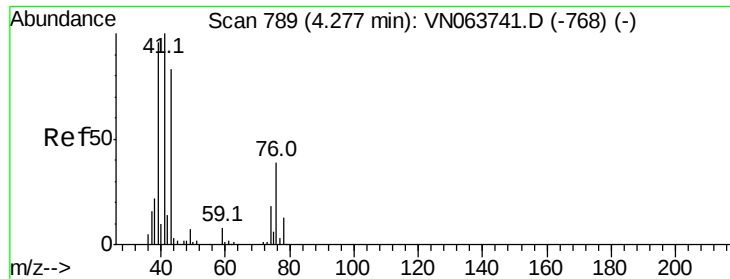
Tgt Ion: 76 Resp: 1371

Ion Ratio Lower Upper

76 100

78 13.7 7.0 10.4#

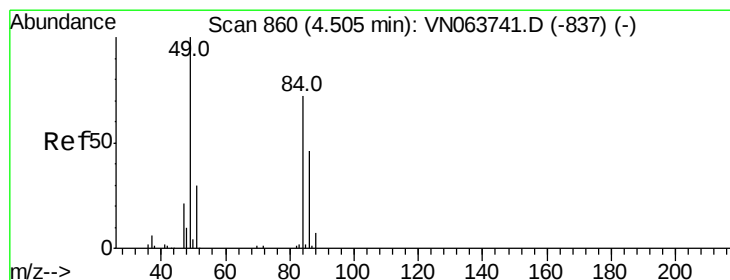
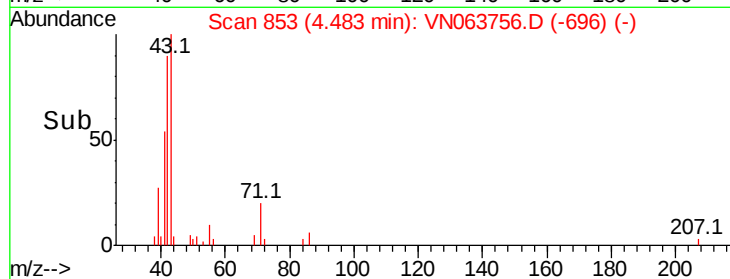
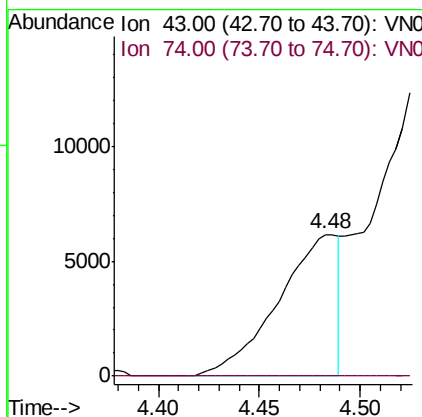
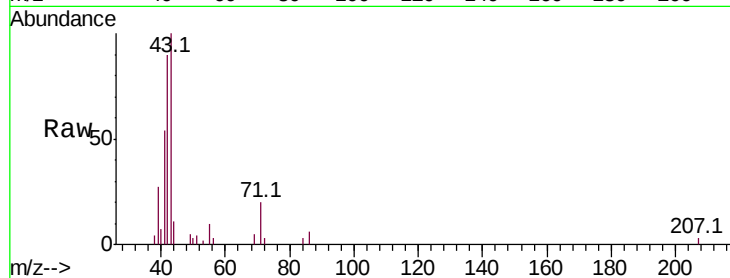




#18
Methyl Acetate
Concen: 4.042 ug/l
RT: 4.48 min Scan# 853
Delta R.T. 0.21 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

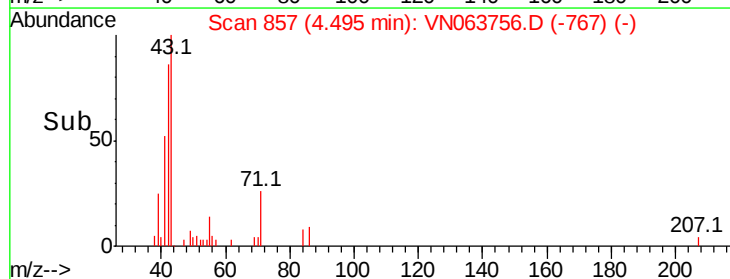
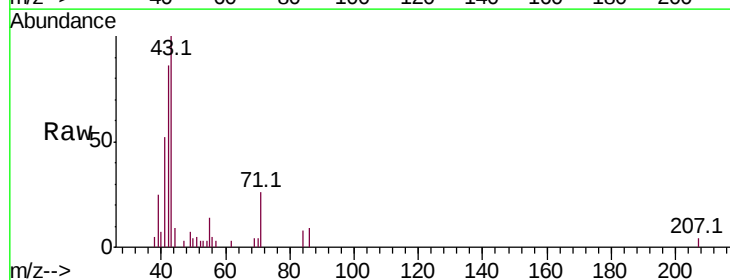
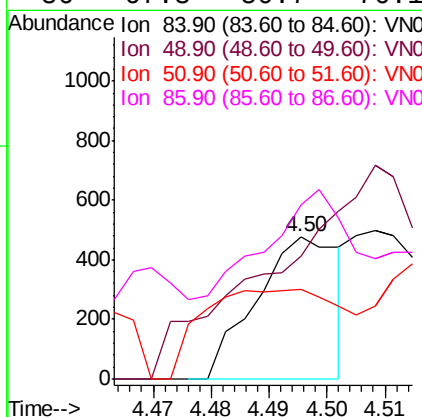
Instrument :
MSVOA_N
ClientSampled :
TP-4DL

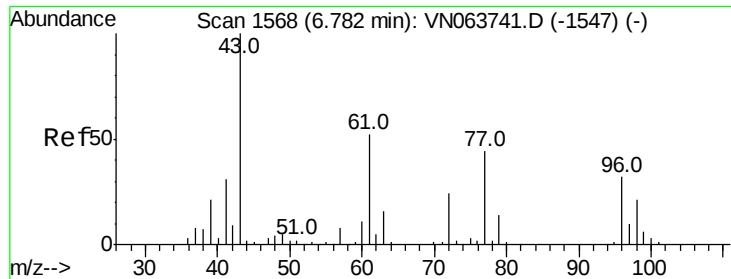
Tot Ion: 43 Resp: 12732
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 45.7 110.4 165.6#
51 24.3 33.3 49.9#
86 67.3 50.7 76.1

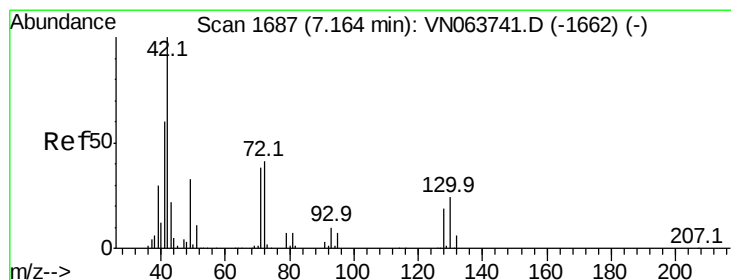
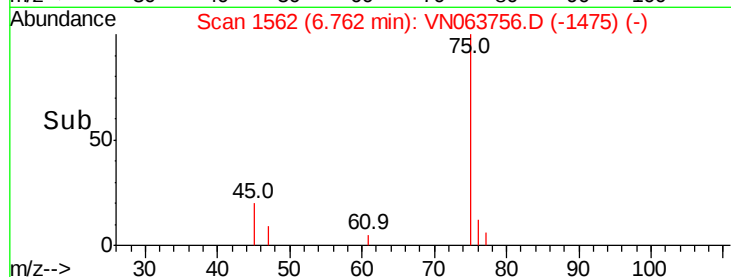
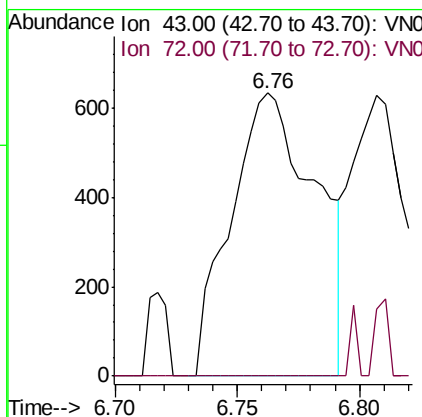
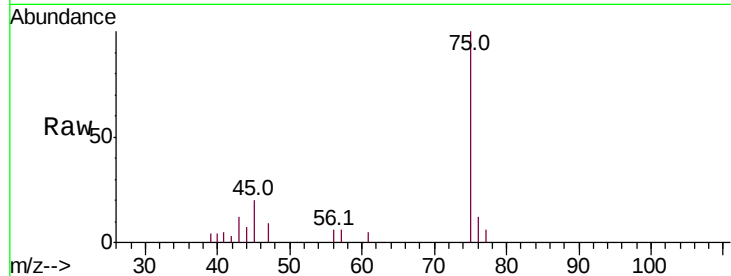




#25
2-Butanone
Concen: 0.885 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.02 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

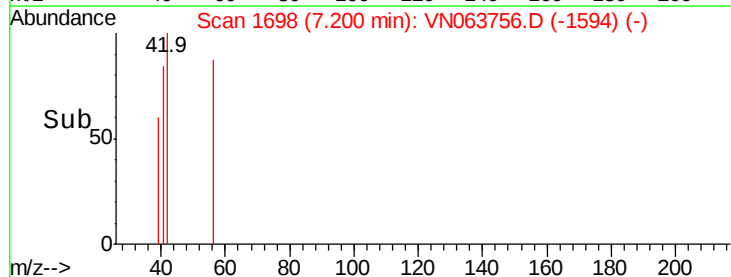
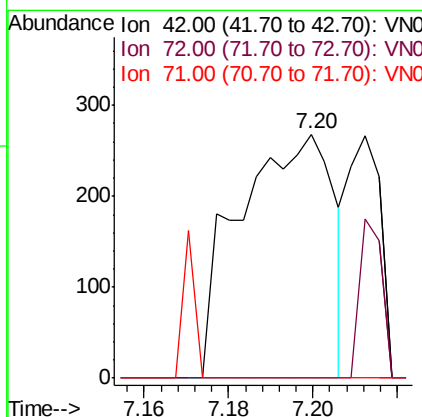
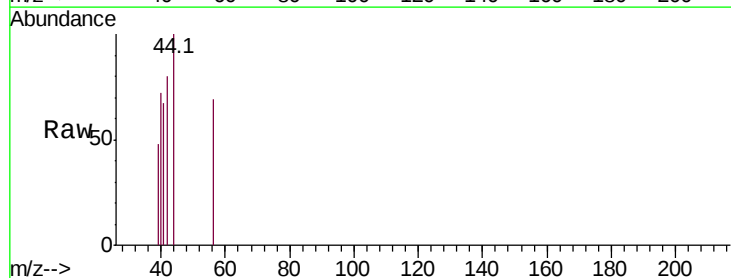
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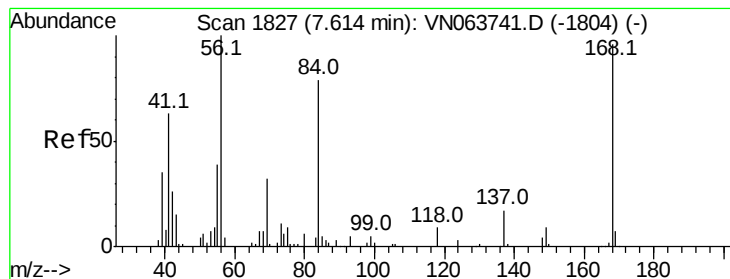
Tot Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 7.20 min Scan# 1698
Delta R.T. 0.04 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 15.1 32.8 49.2#
71 0.0 30.6 45.8#





#31

Cyclohexane

Concen: 15.405 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

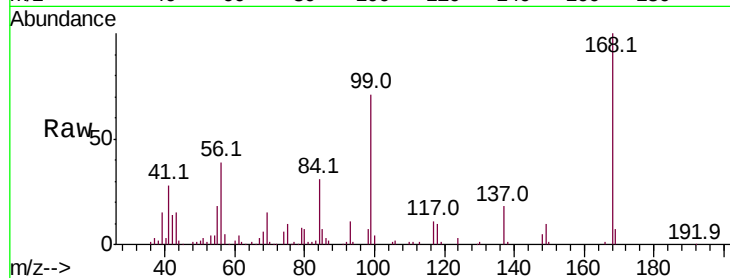
Tot Ion: 56 Resp: 70488

Ion Ratio Lower Upper

56 100

69 38.7 25.4 38.2#

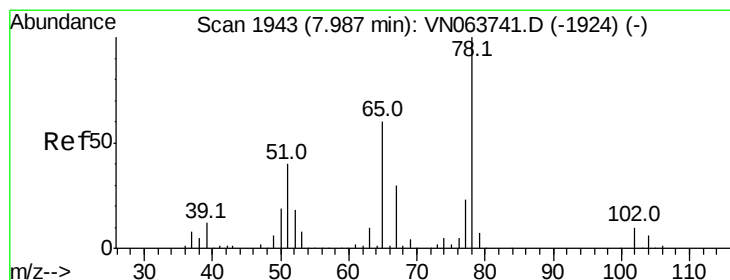
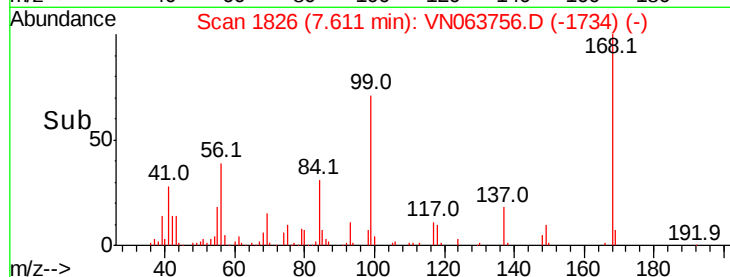
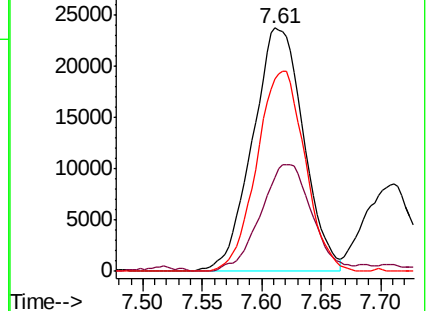
84 78.9 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN063741.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN063741.D (-1804) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.306 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063756.D

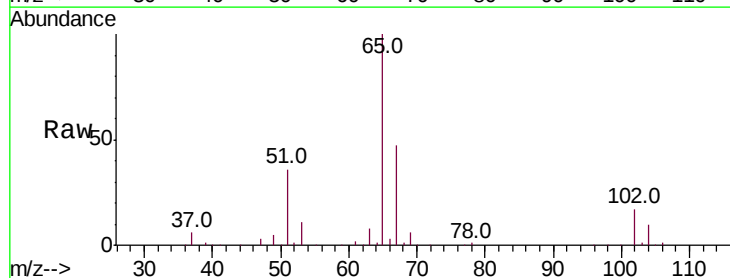
Acq: 30 Sep 2020 17:55

Tgt Ion: 65 Resp: 190389

Ion Ratio Lower Upper

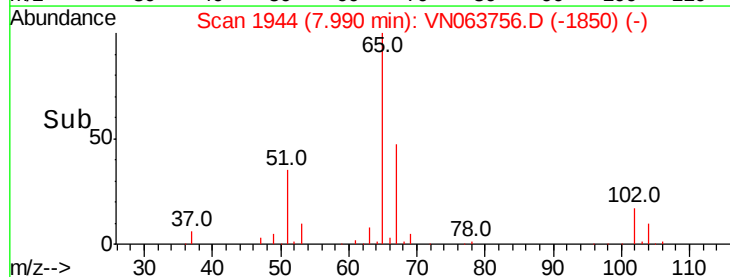
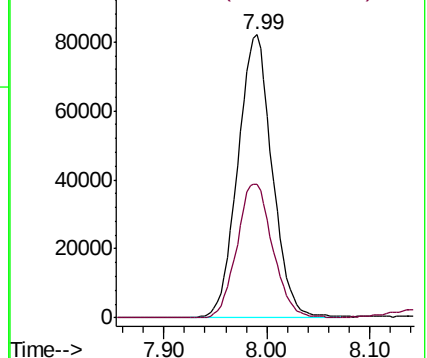
65 100

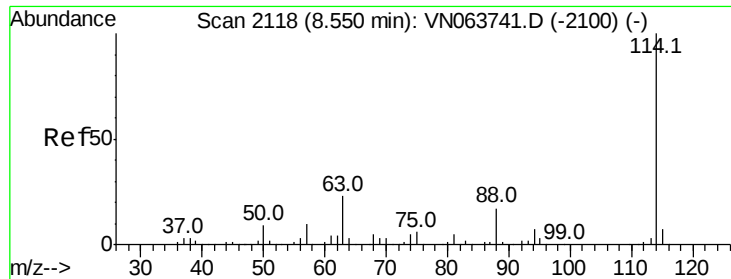
67 49.2 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063741.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063741.D (-1924) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

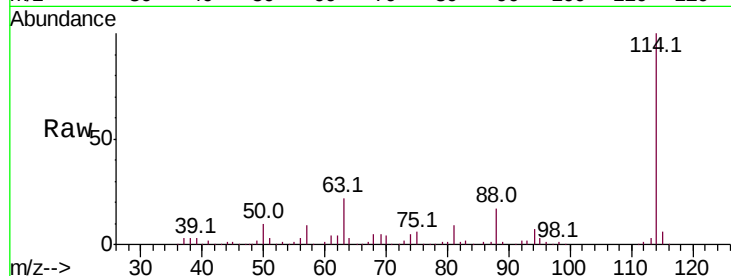
Tot Ion:114 Resp: 437522

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

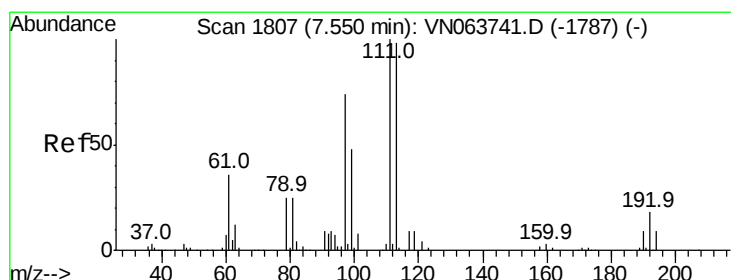
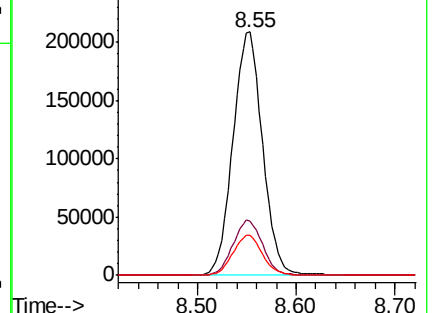
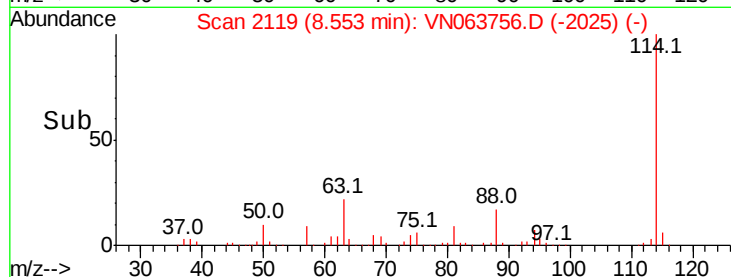
88 16.5 0.0 34.0



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: 45.116 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

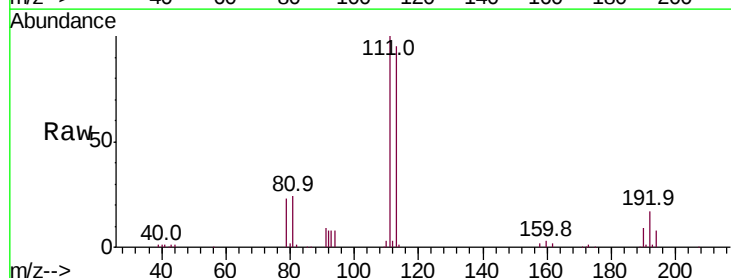
Tgt Ion:113 Resp: 136967

Ion Ratio Lower Upper

113 100

111 106.8 81.8 122.8

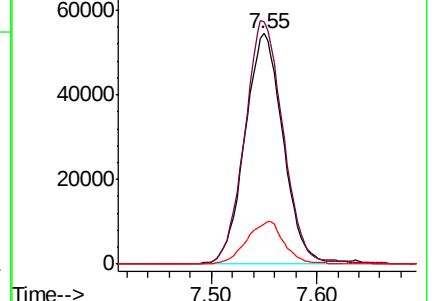
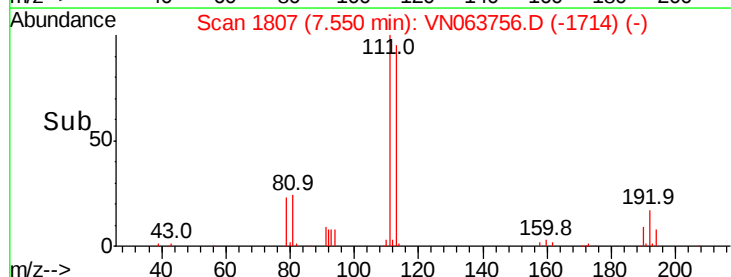
192 18.2 14.2 21.2

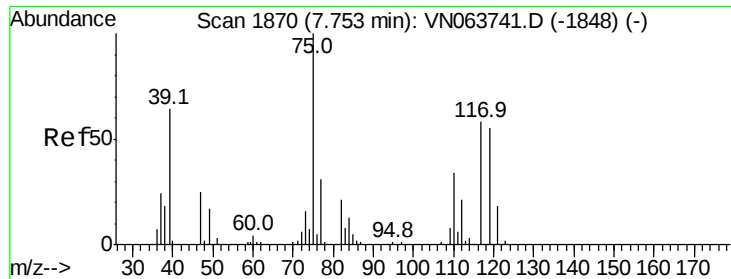


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

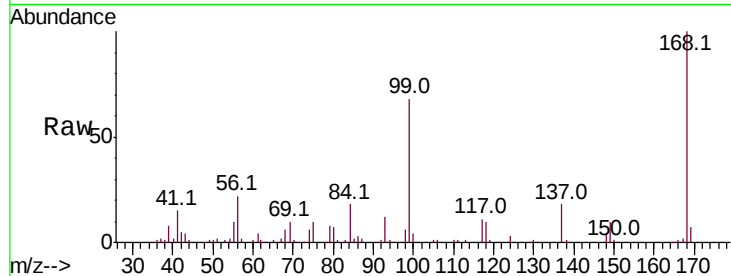




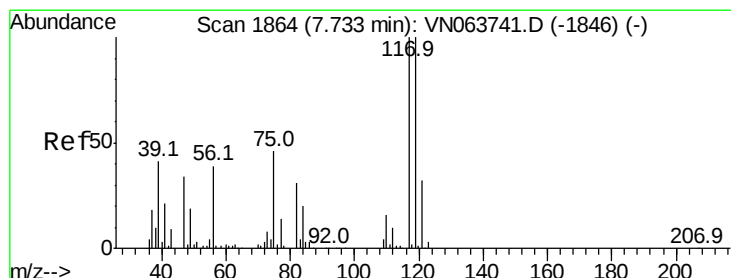
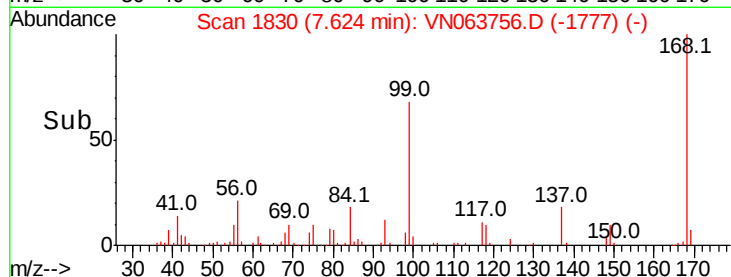
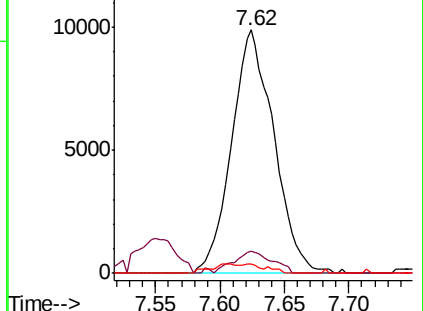
#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063756.D
 Acq: 30 Sep 2020 17:55

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4DL

Tot Ion: 75 Resp: 22525
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 2.5 24.5 36.7#

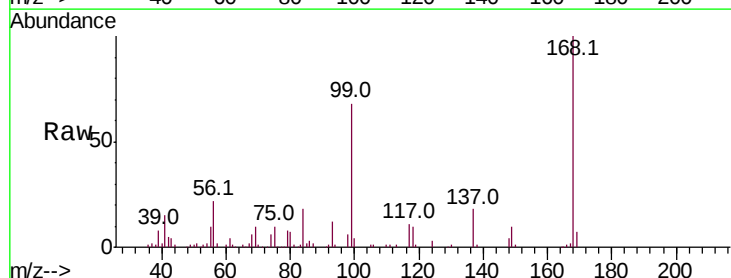


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

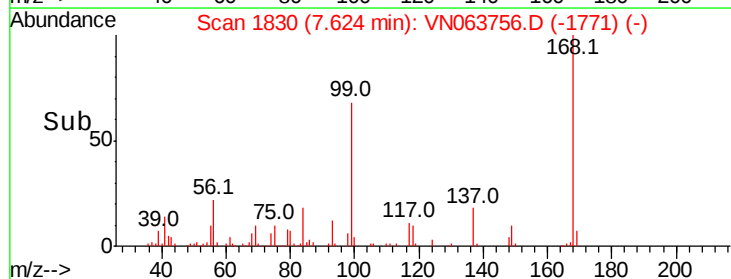
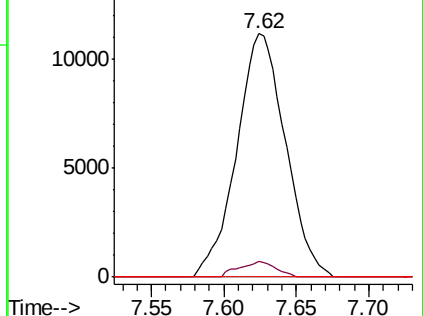


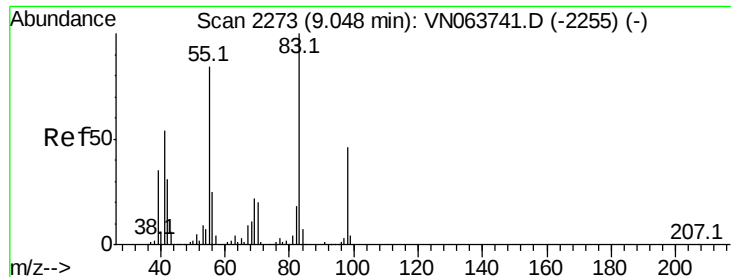
#38
 Carbon Tetrachloride
 Concen: 5.254 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063756.D
 Acq: 30 Sep 2020 17:55

Tgt Ion: 117 Resp: 26116
 Ion Ratio Lower Upper
 117 100
 119 6.7 80.1 120.1#
 121 0.0 25.7 38.5#



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

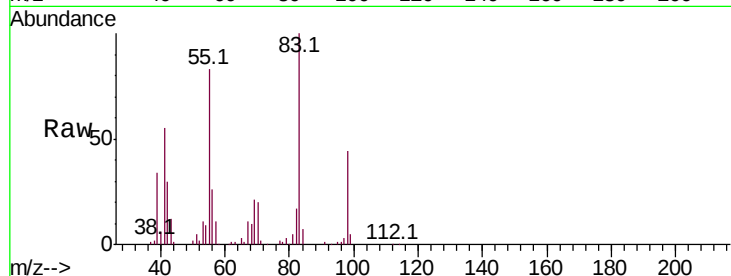




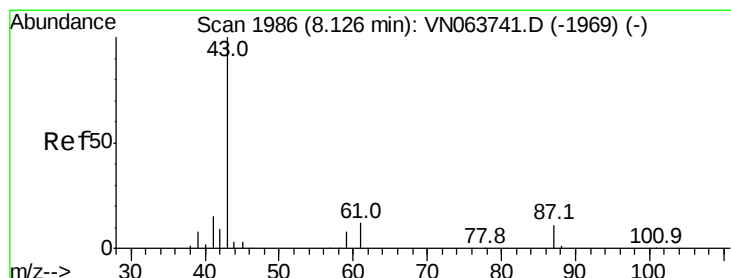
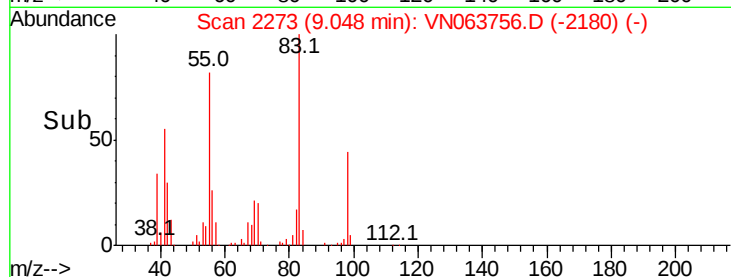
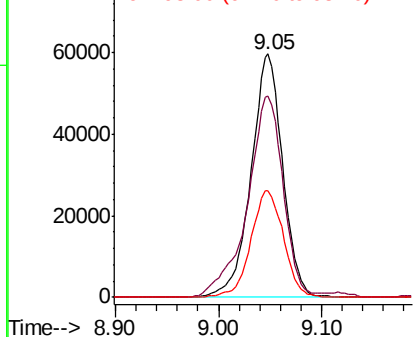
#39
Methvlcvclohexane
Concen: 28.688 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion: 83 Resp: 126809
Ion Ratio Lower Upper
83 100
55 82.5 67.1 100.7
98 44.0 36.6 54.8

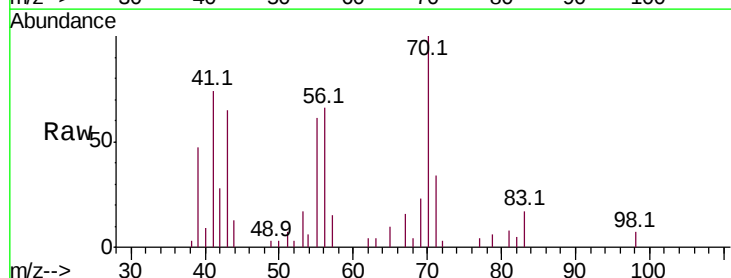


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

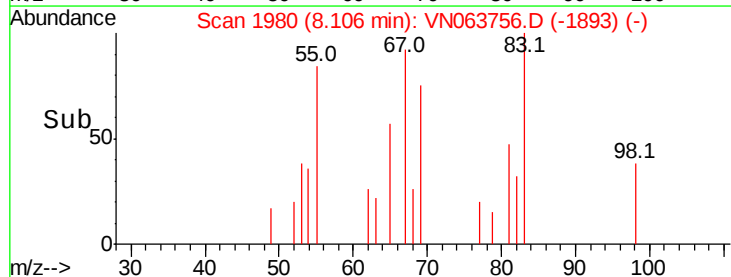
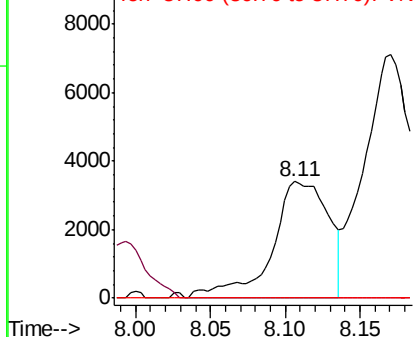


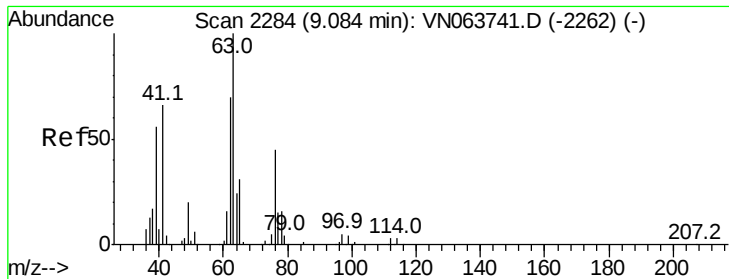
#43
Isopropyl Acetate
Concen: 1.233 ug/l
RT: 8.11 min Scan# 1980
Delta R.T. -0.02 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion: 43 Resp: 8953
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.04 min Scan# 2271

Delta R.T. -0.04 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

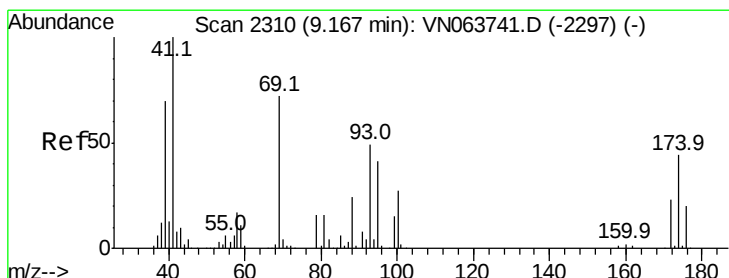
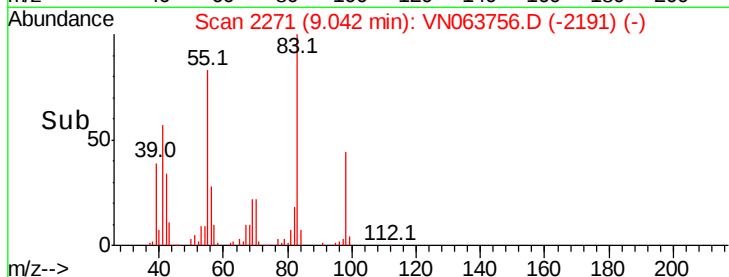
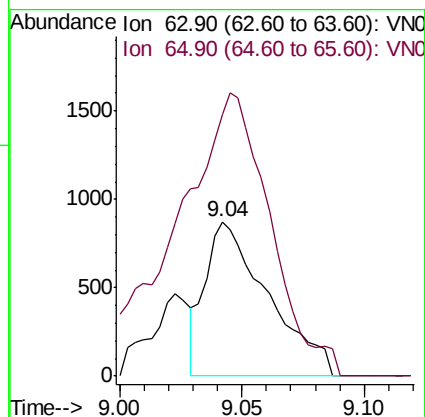
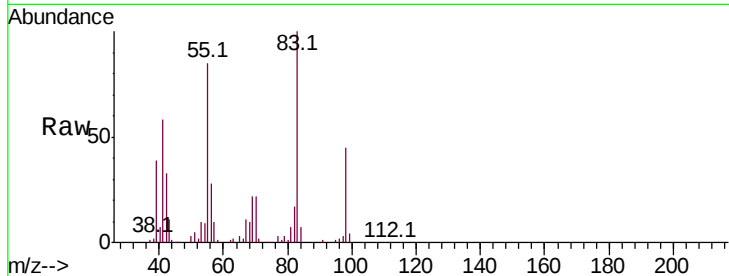
TP-4DL

Tot Ion: 63 Resp: 1556

Ion Ratio Lower Upper

63 100

65 169.6 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.877 ug/l

RT: 9.11 min Scan# 2292

Delta R.T. -0.06 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

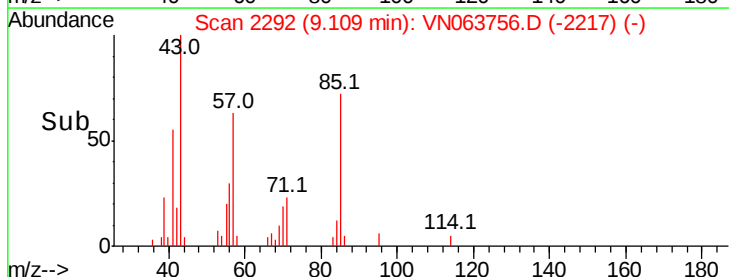
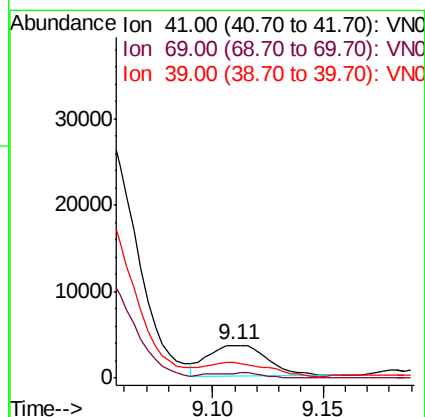
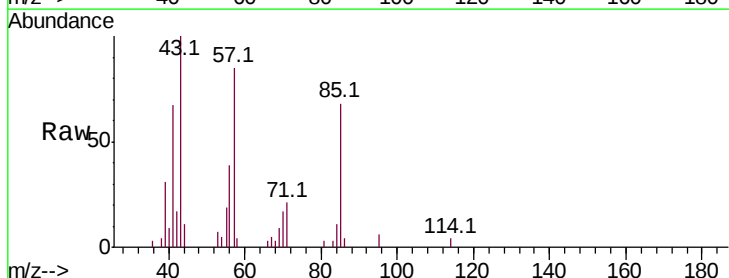
Tgt Ion: 41 Resp: 6737

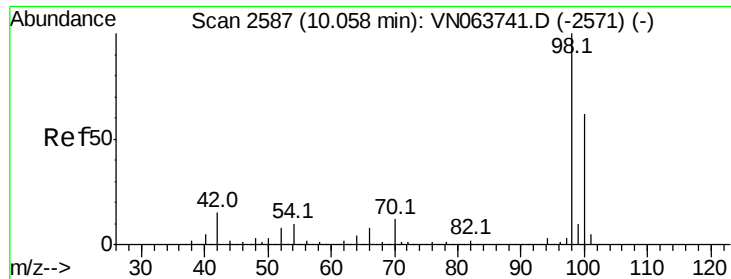
Ion Ratio Lower Upper

41 100

69 15.4 60.9 91.3#

39 44.2 57.5 86.3#





#50

Toluene-d8

Concen: 48.939 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

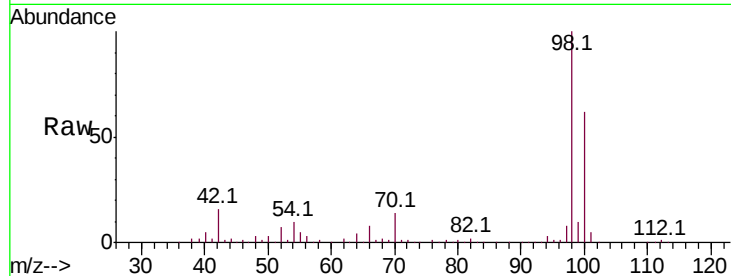
TP-4DL

Tot Ion: 98 Resp: 563220

Ion Ratio Lower Upper

98 100

100 62.6 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

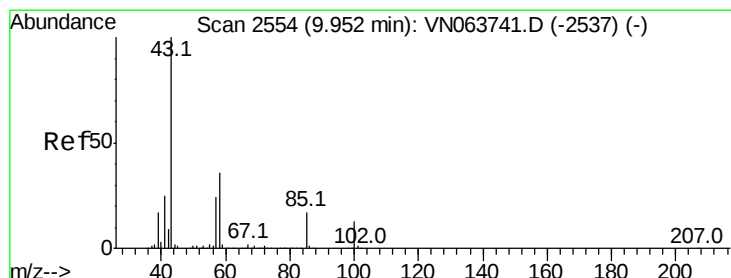
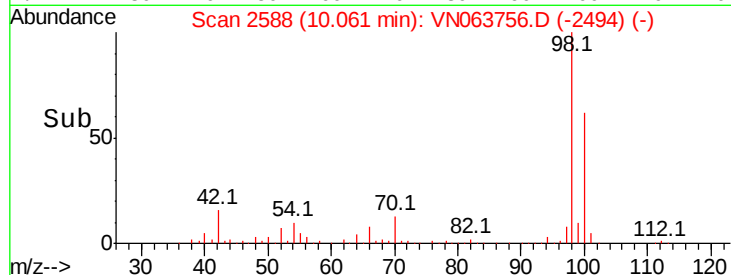
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.744 ug/l

RT: 10.00 min Scan# 2569

Delta R.T. 0.05 min

Lab File: VN063756.D

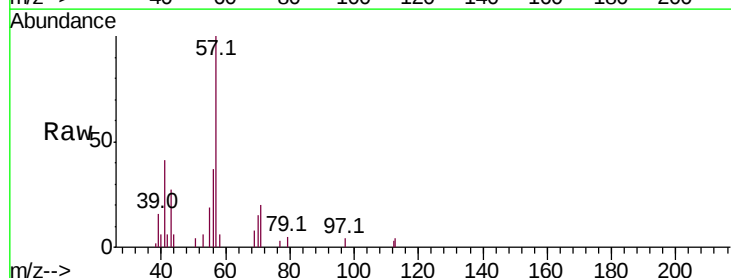
Acq: 30 Sep 2020 17:55

Tgt Ion: 43 Resp: 3171

Ion Ratio Lower Upper

43 100

58 10.6 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

10.00

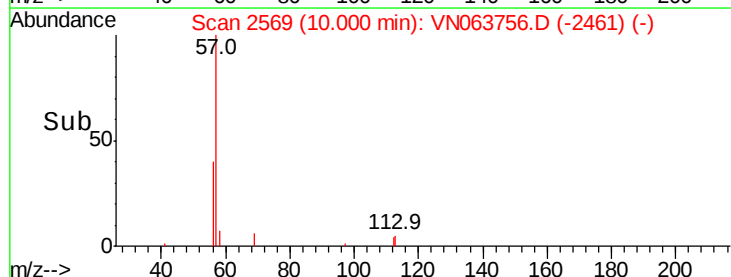
3000

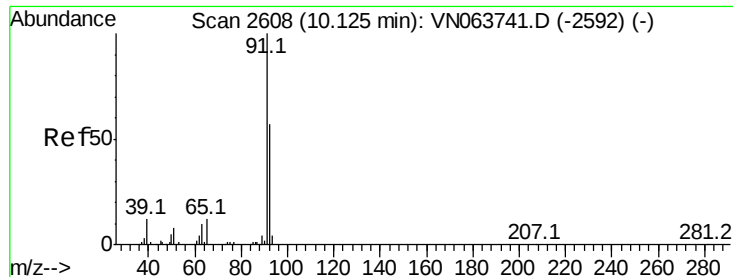
2000

1000

0

Time-->





#52

Toluene

Concen: 1.013 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

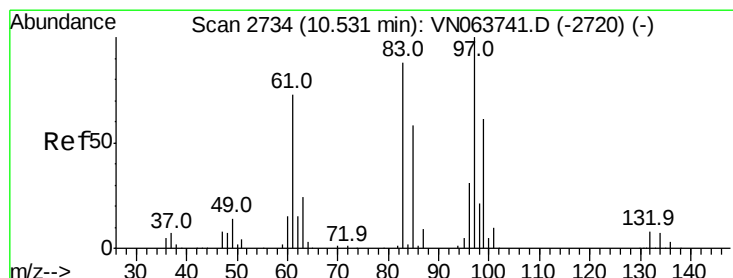
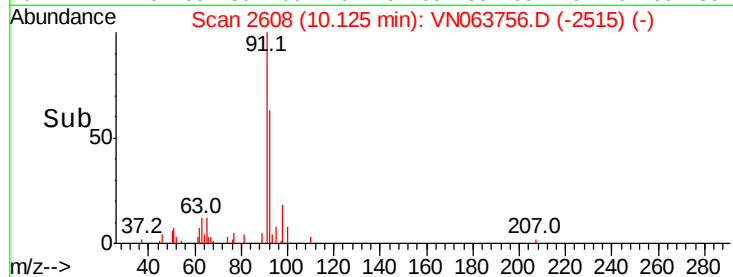
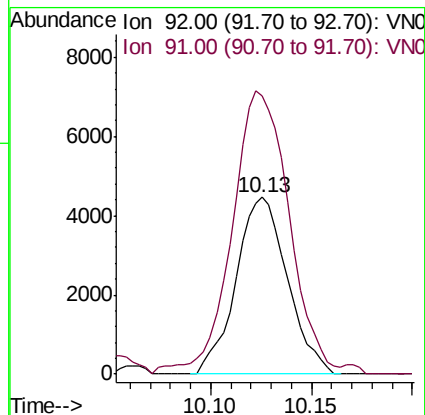
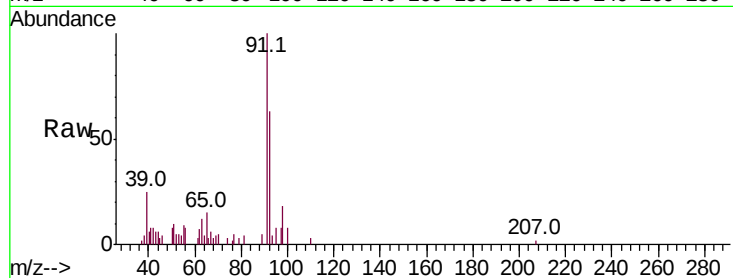
TP-4DL

Tot Ion: 92 Resp: 7932

Ion Ratio Lower Upper

92 100

91 178.4 140.6 210.8



#55

1,1,2-Trichloroethane

Concen: 4.376 ug/l

RT: 10.50 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Tgt Ion: 97 Resp: 13744

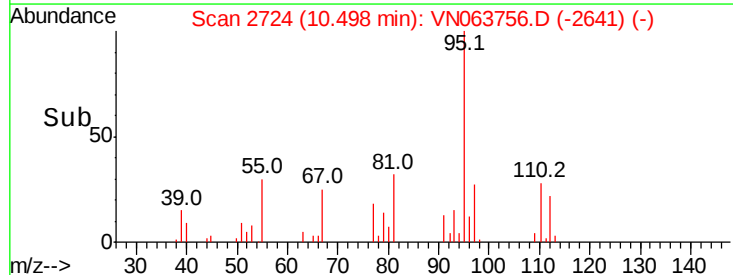
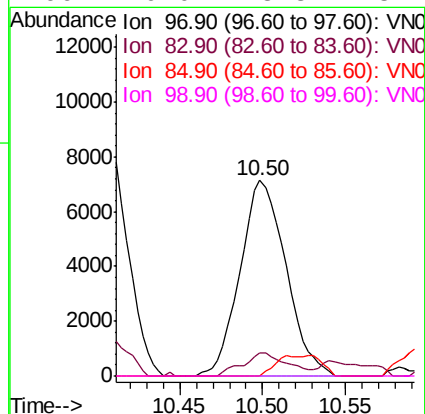
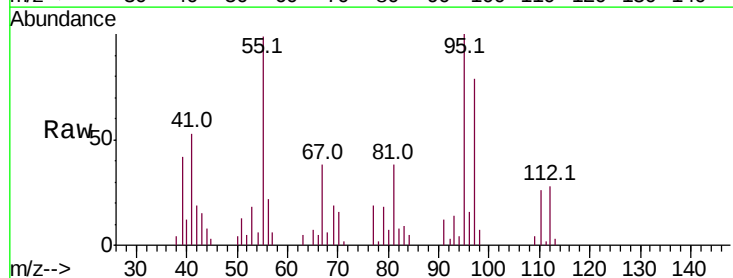
Ion Ratio Lower Upper

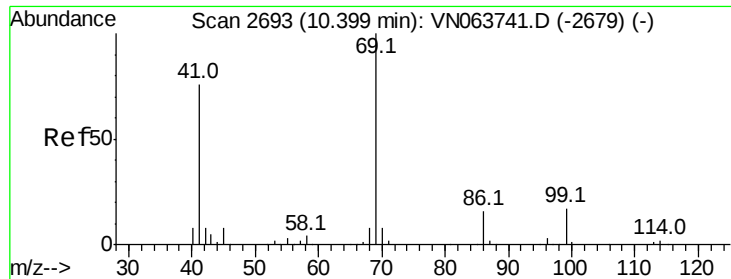
97 100

83 11.9 70.7 106.1#

85 0.0 46.1 69.1#

99 0.0 48.8 73.2#





#56

Ethyl methacrylate

Concen: 1.318 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

TP-4DL

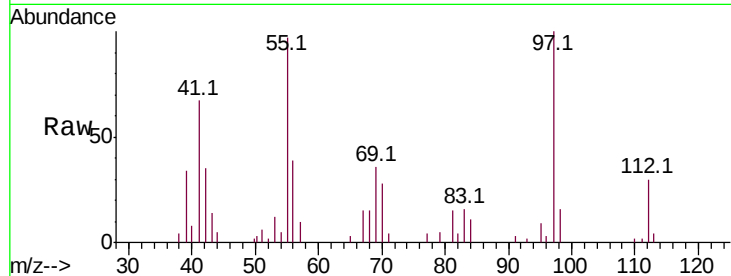
Tot Ion: 69 Resp: 5865

Ion Ratio Lower Upper

69 100

41 186.8 61.1 91.7#

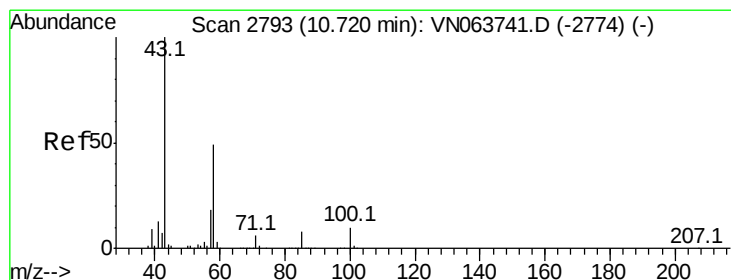
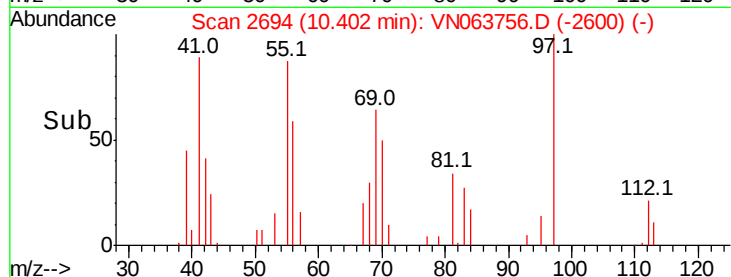
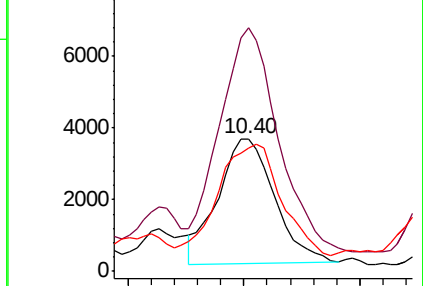
39 100.4 42.2 63.4#



Abundance Ion 69.00 (68.70 to 69.70): VN063741.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN063741.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-2679) (-)



#59

2-Hexanone

Concen: 3.104 ug/l

RT: 10.69 min Scan# 2785

Delta R.T. -0.03 min

Lab File: VN063756.D

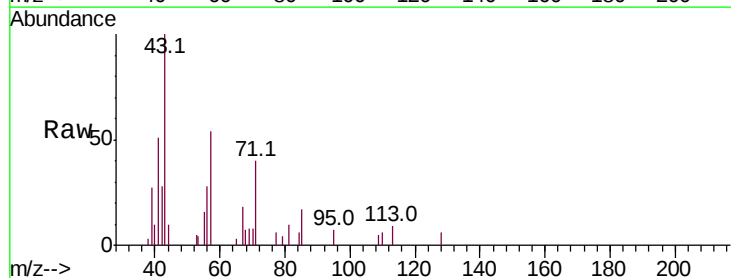
Acq: 30 Sep 2020 17:55

Tgt Ion: 43 Resp: 9829

Ion Ratio Lower Upper

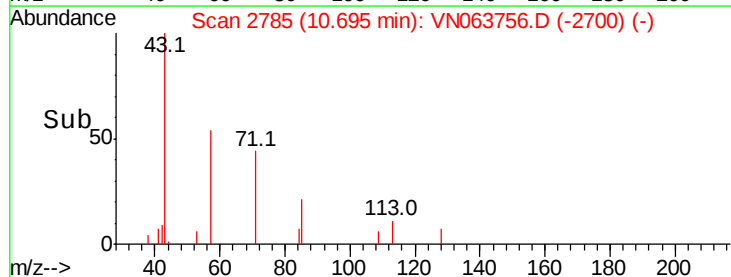
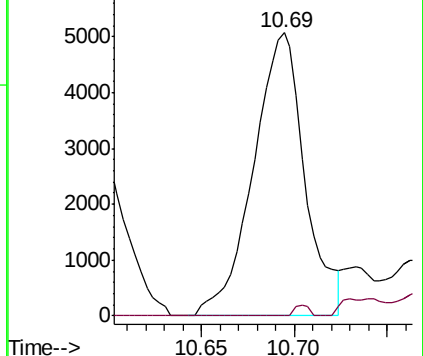
43 100

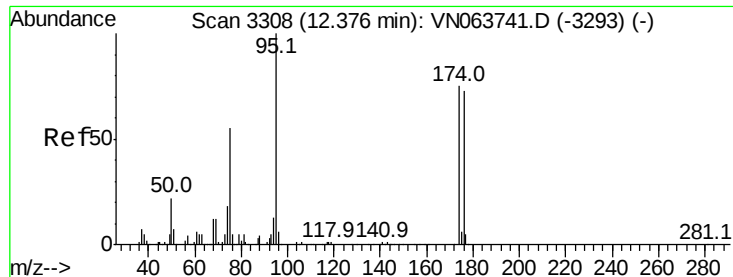
58 1.0 24.6 73.8#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2774) (-)





#62

4-Bromofluorobenzene

Concen: 54.357 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

TP-4DL

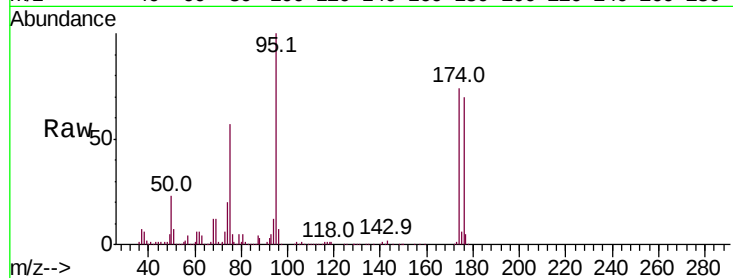
Tot Ion: 95 Resp: 235160

Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.6

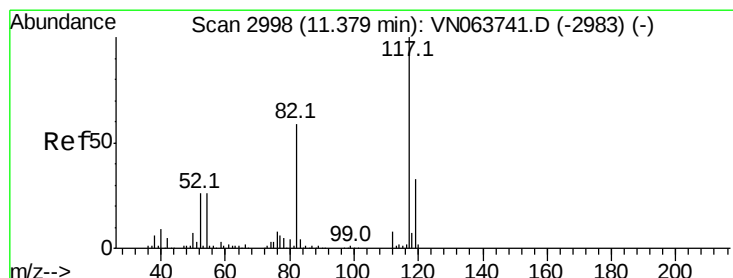
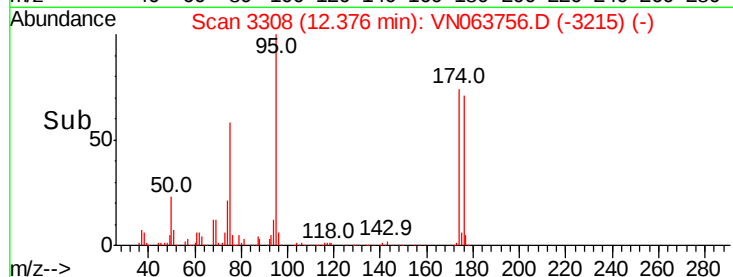
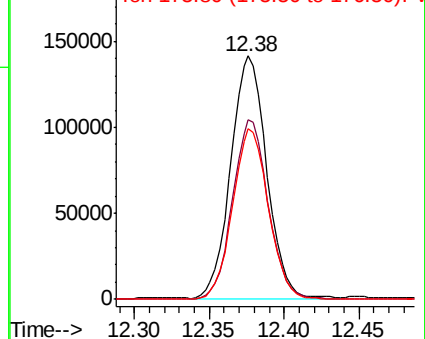
176 70.3 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

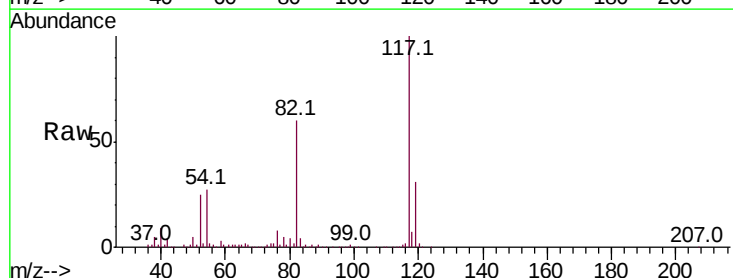
Tgt Ion: 117 Resp: 445990

Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.2

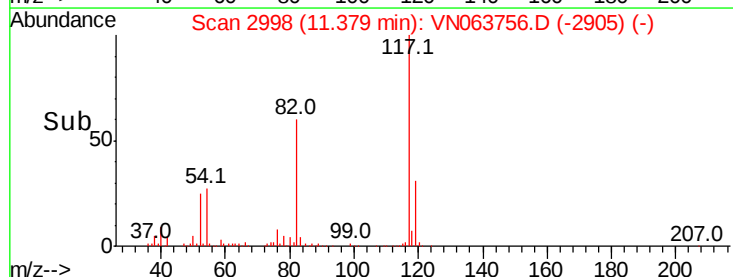
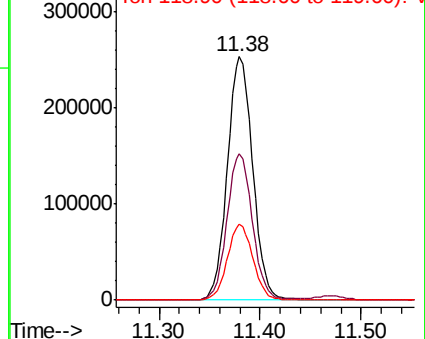
119 31.0 26.4 39.6

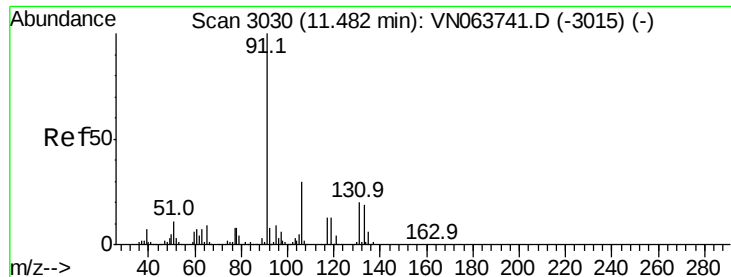


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#67

Ethyl Benzene

Concen: 163.968 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

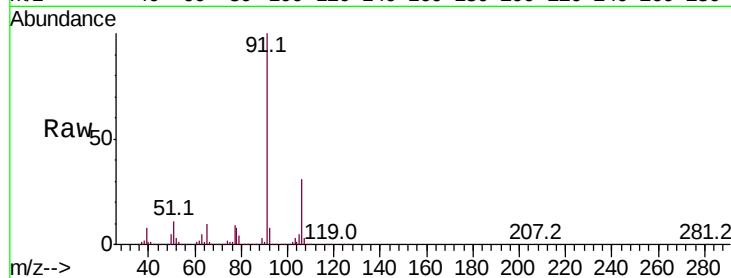
TP-4DL

Tot Ion: 91 Resp: 2729601

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3015) (-)

Ion 106.00 (105.70 to 106.70): VN063741.D (-3015) (-)

11.48

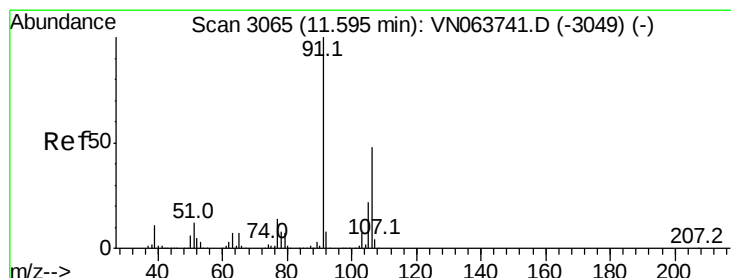
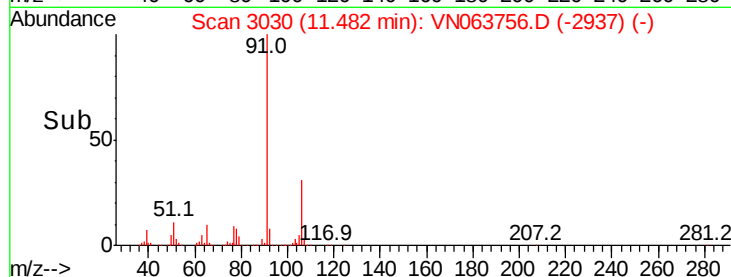
1500000

1000000

500000

0

Time-->



#68

m/p-Xylenes

Concen: 7.212 ug/l

RT: 11.59 min Scan# 3063

Delta R.T. -0.01 min

Lab File: VN063756.D

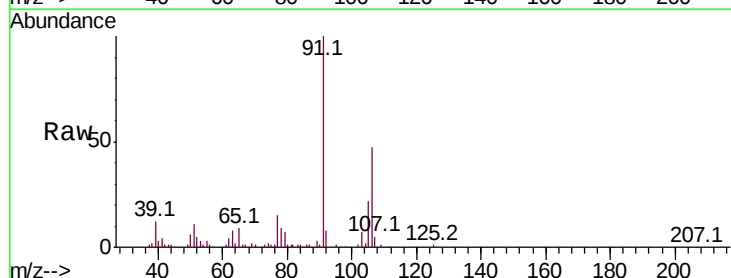
Acq: 30 Sep 2020 17:55

Tgt Ion: 106 Resp: 44746

Ion Ratio Lower Upper

106 100

91 211.8 168.0 252.0



Abundance Ion 106.00 (105.70 to 106.70): VN063741.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-3049) (-)

500000

400000

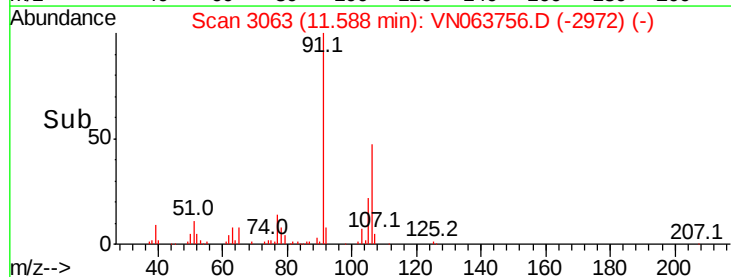
300000

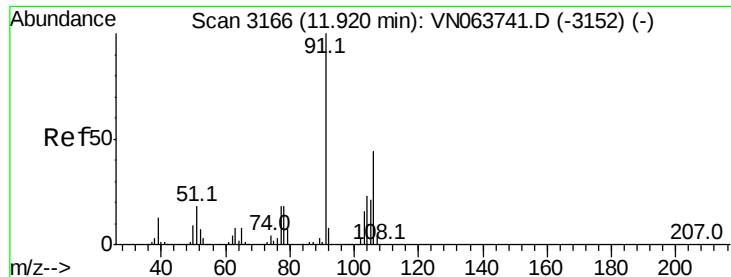
200000

100000

0

Time-->

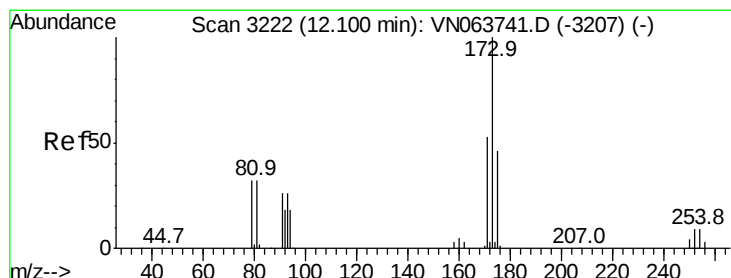
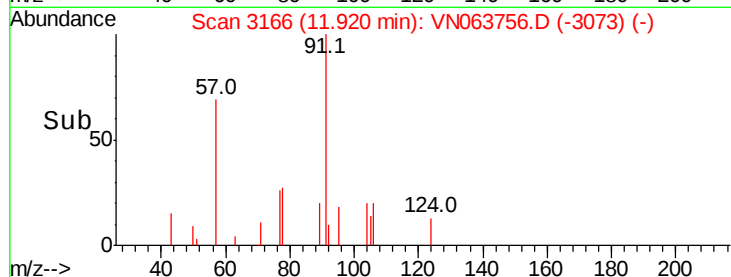
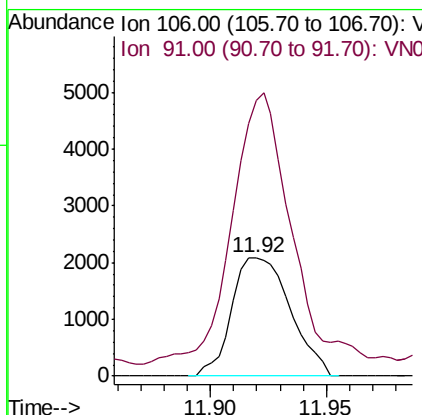
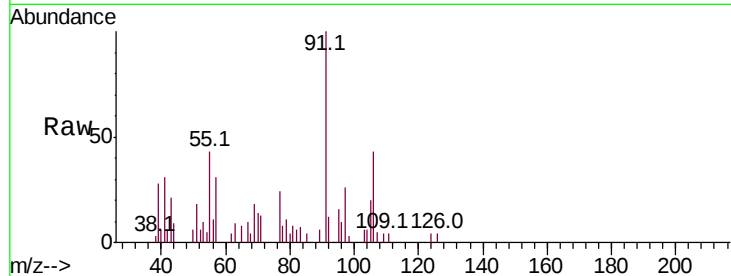




#69
o-Xylene
Concen: 0.632 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

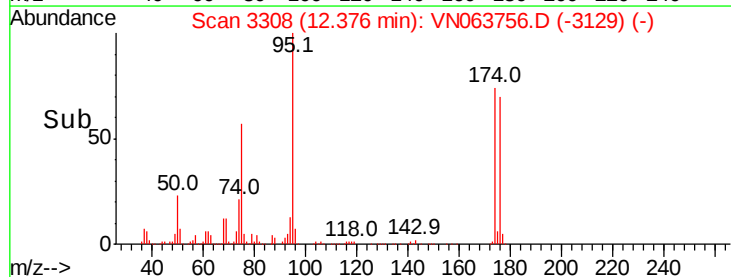
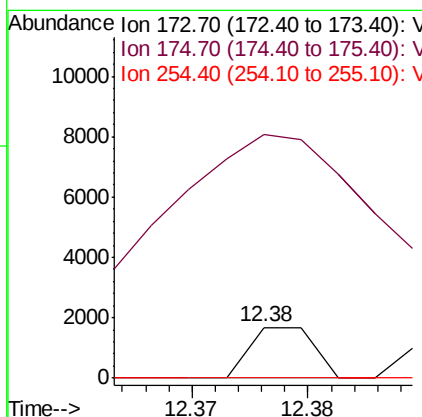
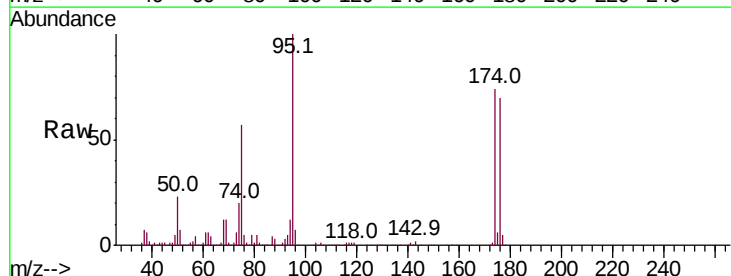
Instrument :
MSVOA_N
ClientSampled :
TP-4DL

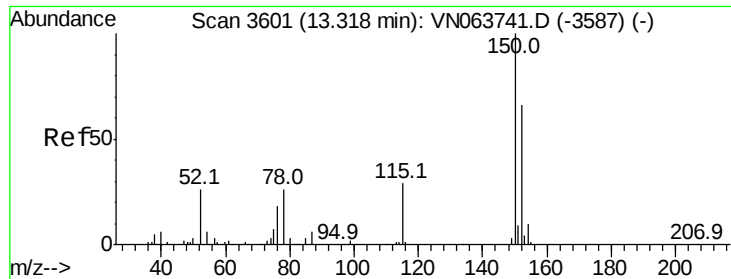
Tot Ion:106 Resp: 3666
Ion Ratio Lower Upper
106 100
91 234.2 112.7 338.0



#71
Bromoform
Concen: 0.241 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion:173 Resp: 646
Ion Ratio Lower Upper
173 100
175 1662.4 23.5 70.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

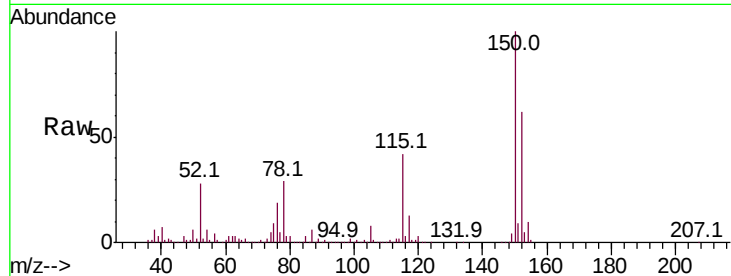
Tot Ion:152 Resp: 216018

Ion Ratio Lower Upper

152 100

115 66.8 31.3 93.8

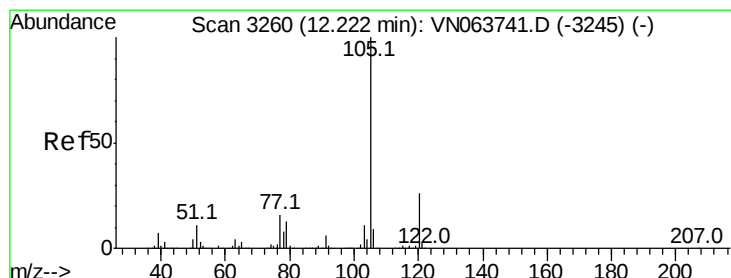
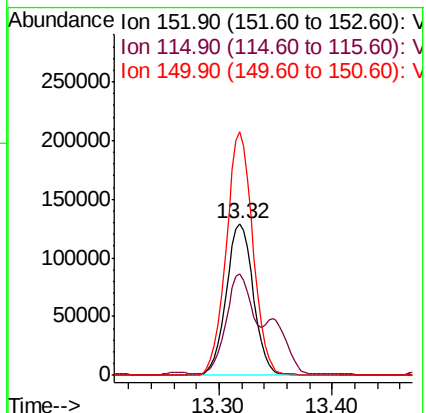
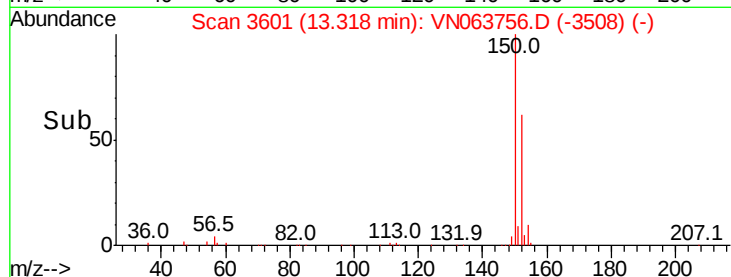
150 157.2 0.0 341.8



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: 19.575 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063756.D

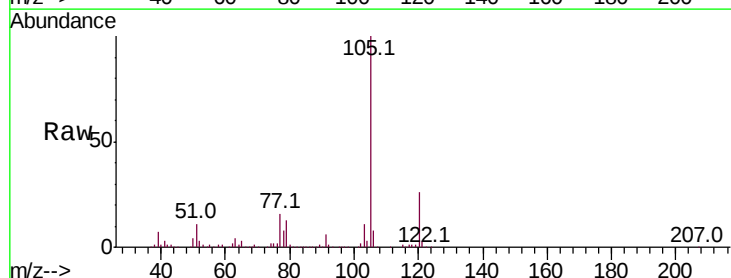
Acq: 30 Sep 2020 17:55

Tgt Ion:105 Resp: 308434

Ion Ratio Lower Upper

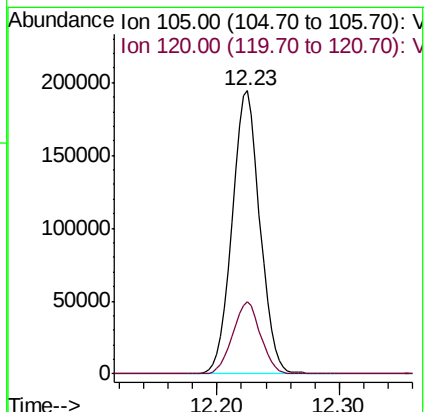
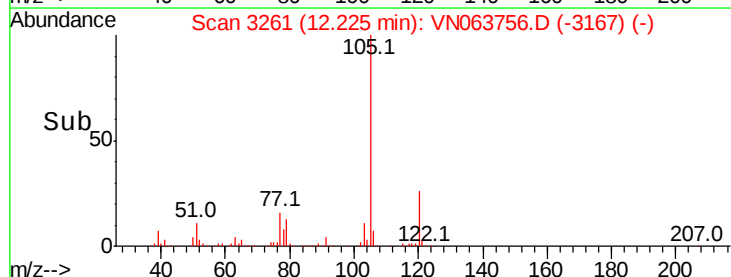
105 100

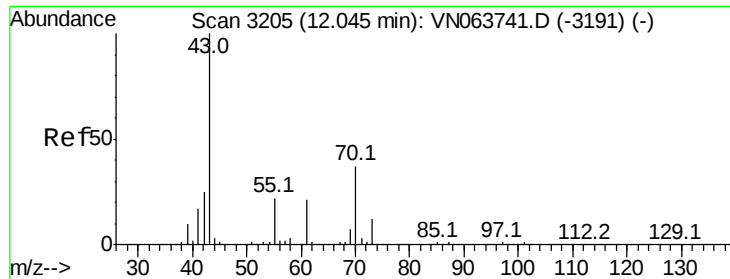
120 25.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.779 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.02 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 43 Resp: 4311

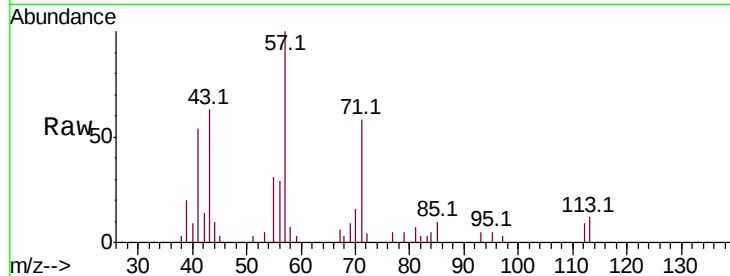
Ion Ratio Lower Upper

43 100

70 27.6 29.8 44.8#

55 44.2 17.9 26.9#

61 0.0 17.0 25.4#

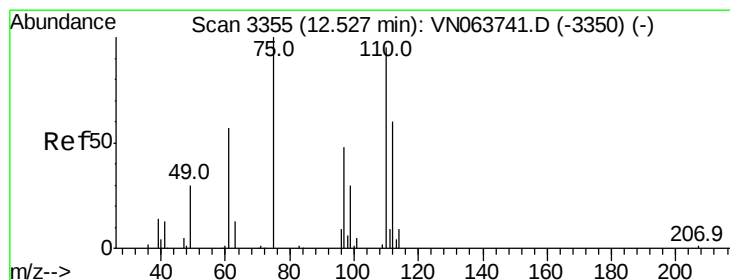
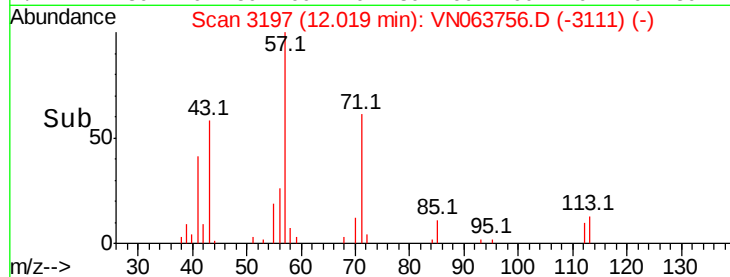
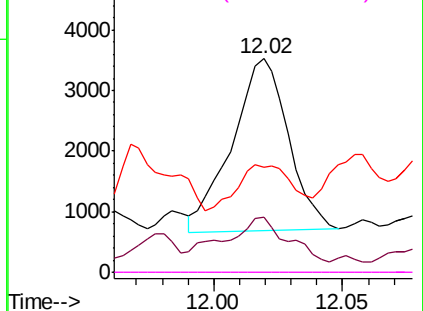


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 1.667 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN063756.D

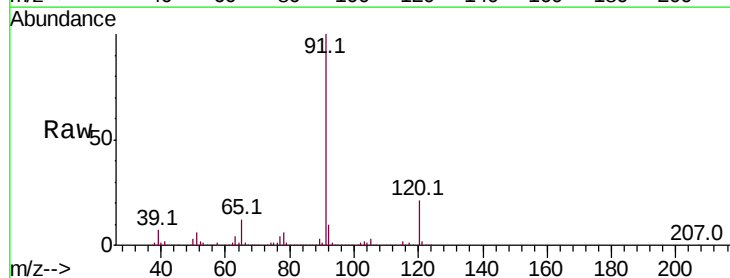
Acq: 30 Sep 2020 17:55

Tgt Ion: 75 Resp: 7939

Ion Ratio Lower Upper

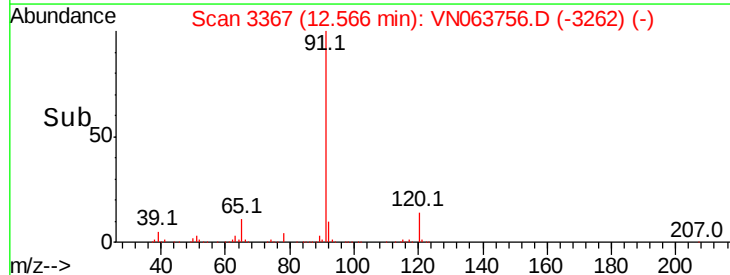
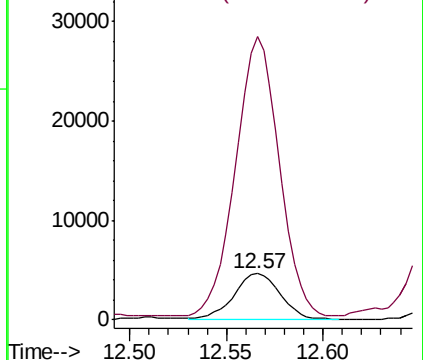
75 100

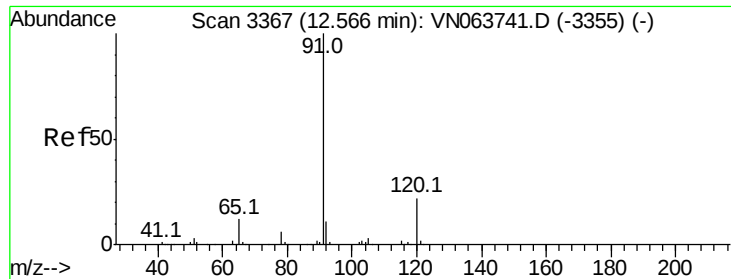
77 553.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 56.878 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

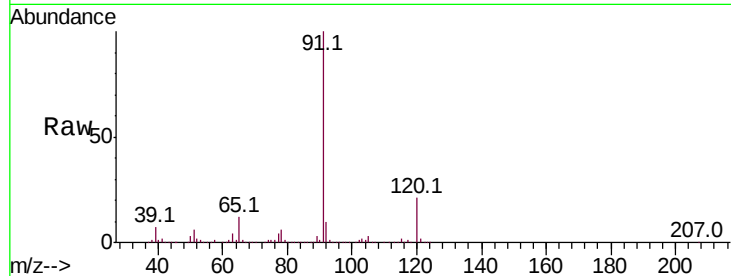
TP-4DL

Tot Ion: 91 Resp: 1042970

Ion Ratio Lower Upper

91 100

120 21.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3355) (-)

12.57

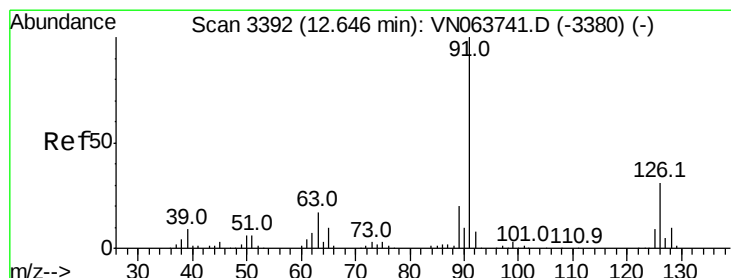
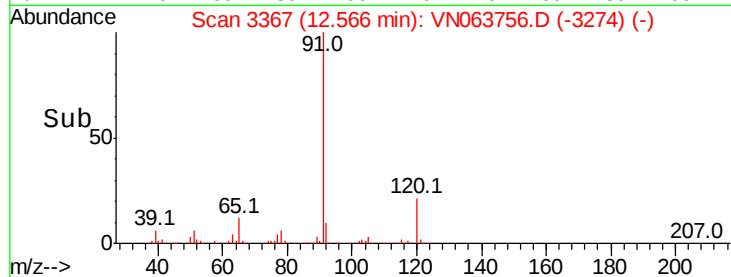
600000

400000

200000

0

Time-->



#79

2-Chlorotoluene

Concen: 2.821 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. 0.02 min

Lab File: VN063756.D

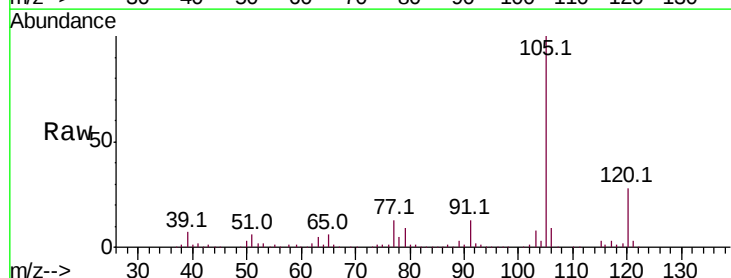
Acq: 30 Sep 2020 17:55

Tgt Ion: 91 Resp: 31816

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

120000

100000

80000

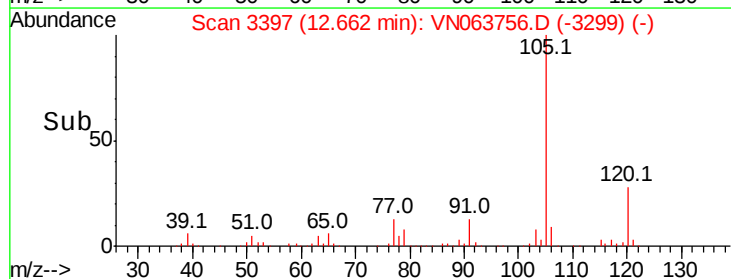
60000

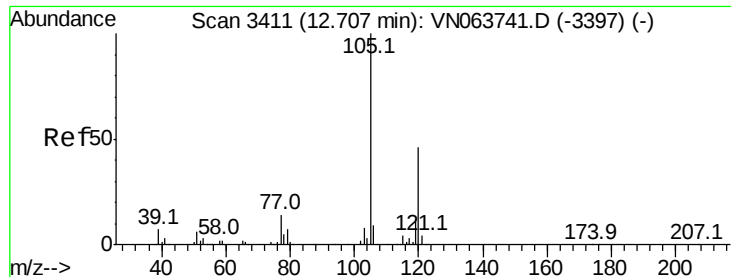
40000

20000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 105.920 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

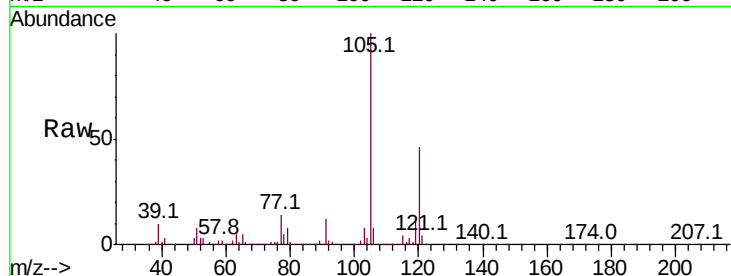
TP-4DL

Tot Ion:105 Resp: 1400112

Ion Ratio Lower Upper

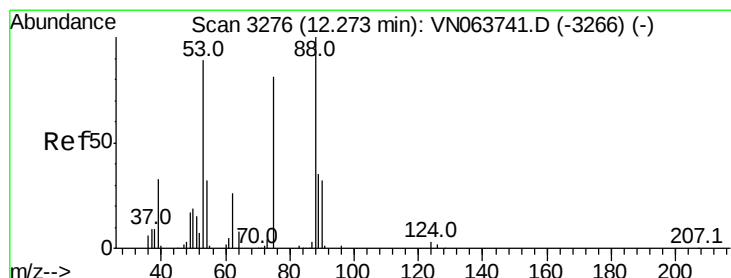
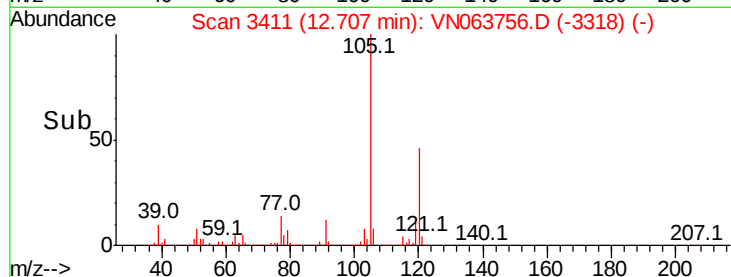
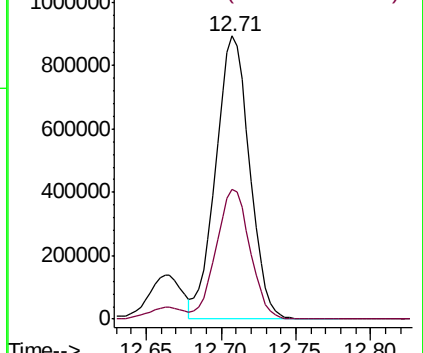
105 100

120 46.1 23.3 69.9



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: 3.037 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

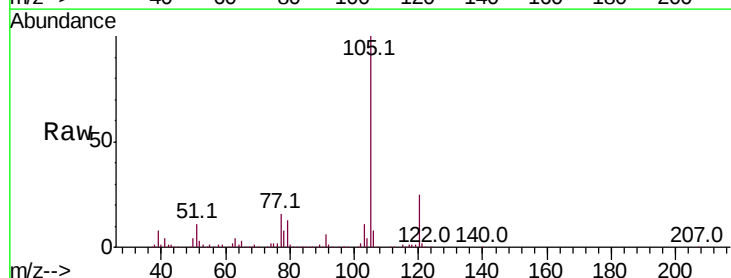
Tgt Ion: 75 Resp: 5021

Ion Ratio Lower Upper

75 100

53 78.3 88.2 132.2#

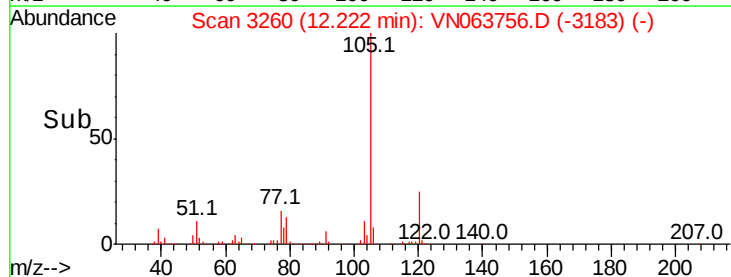
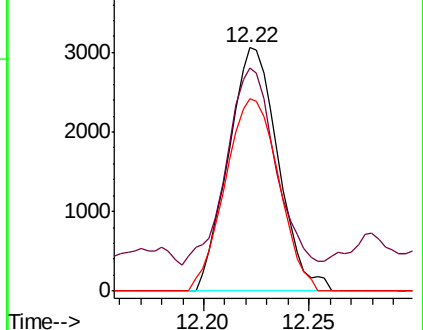
89 84.6 36.0 54.0#

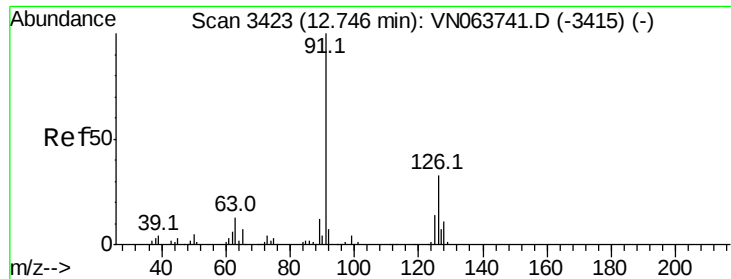


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

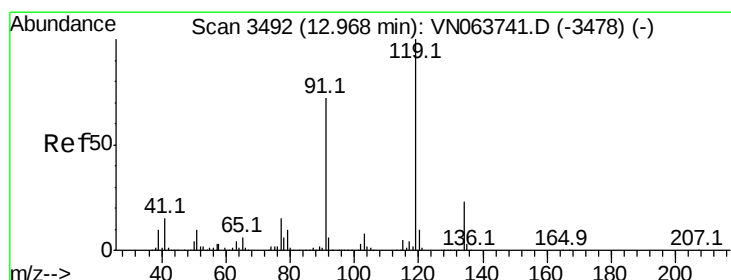
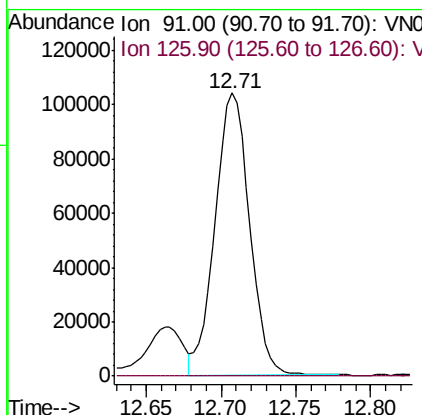
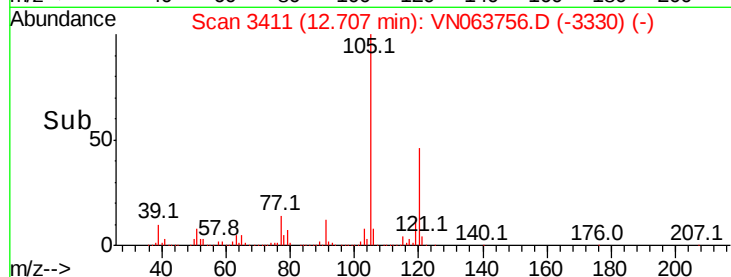
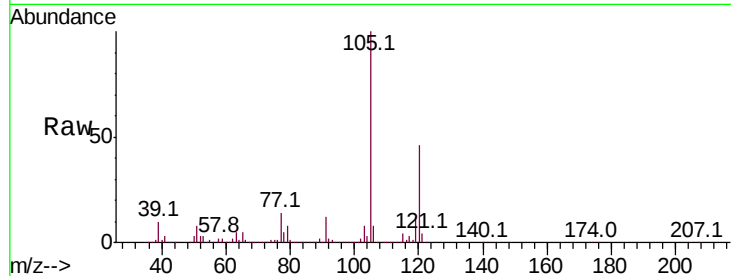




#82
4-Chlorotoluene
Concen: 14.264 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. -0.04 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

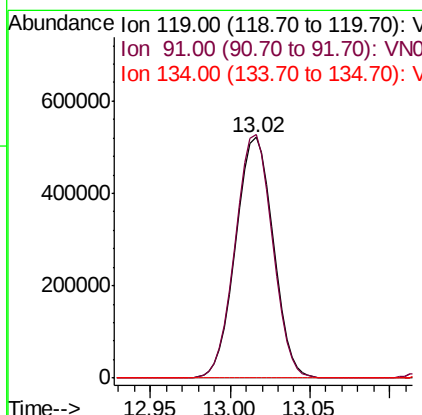
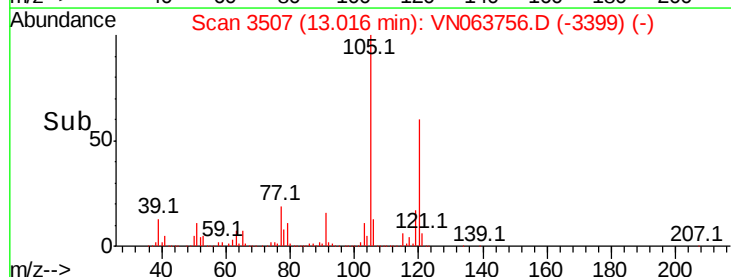
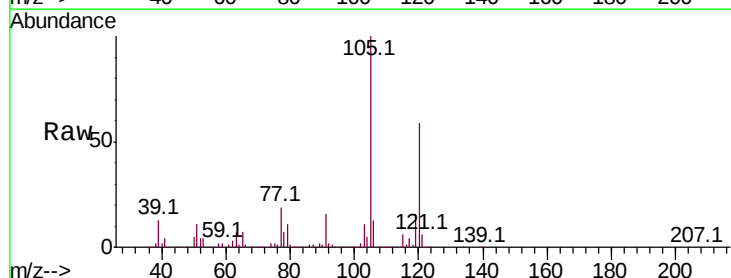
Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

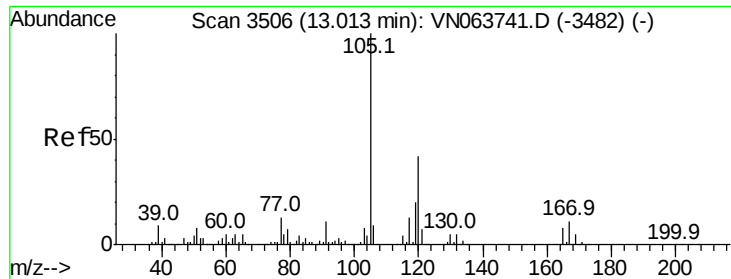
Tot Ion: 91 Resp: 167000
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.2#



#83
tert-Butylbenzene
Concen: 76.866 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.05 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion: 119 Resp: 831113
Ion Ratio Lower Upper
119 100
91 100.7 35.5 106.5
134 0.0 11.7 35.1#





#84

1,2,4-Trimethylbenzene

Concen: 445.475 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

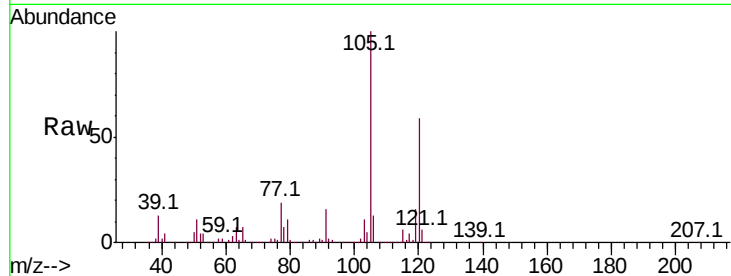
TP-4DL

Tot Ion:105 Resp: 5879189

Ion Ratio Lower Upper

105 100

120 51.9 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.02

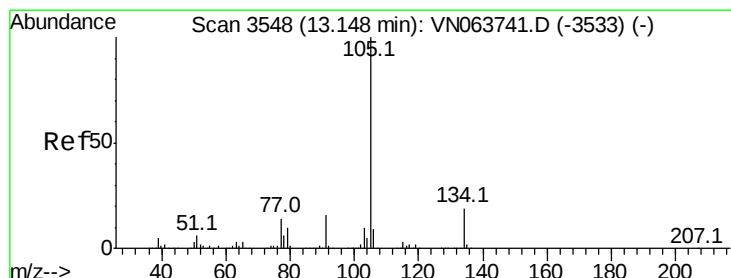
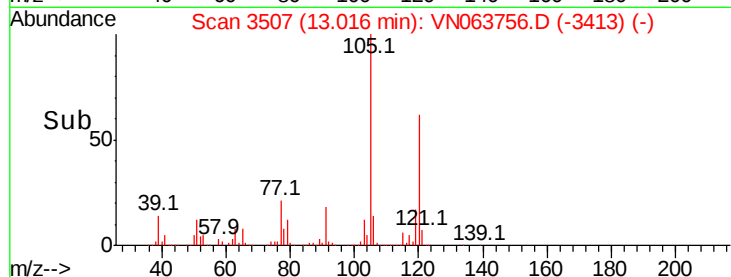
3000000

2000000

1000000

0

Time--> 12.90 13.00 13.10



#85

sec-Butylbenzene

Concen: 413.979 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. -0.13 min

Lab File: VN063756.D

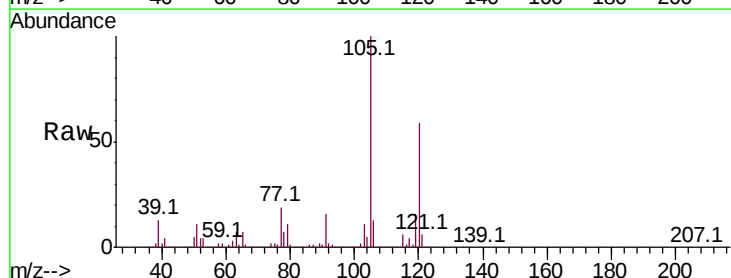
Acq: 30 Sep 2020 17:55

Tgt Ion:105 Resp: 5879189

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.02

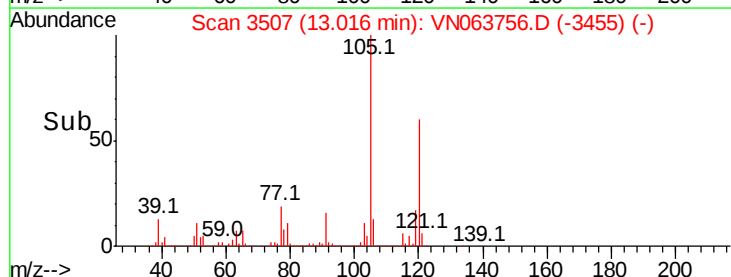
3000000

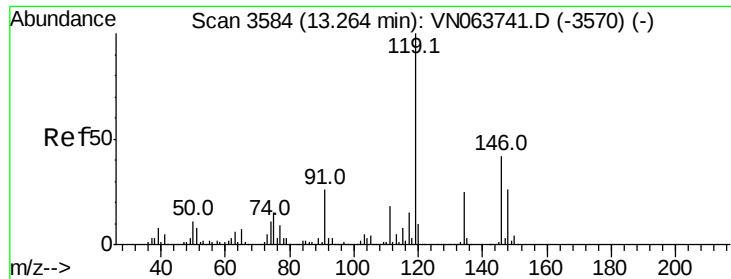
2000000

1000000

0

Time--> 12.90 13.00 13.10

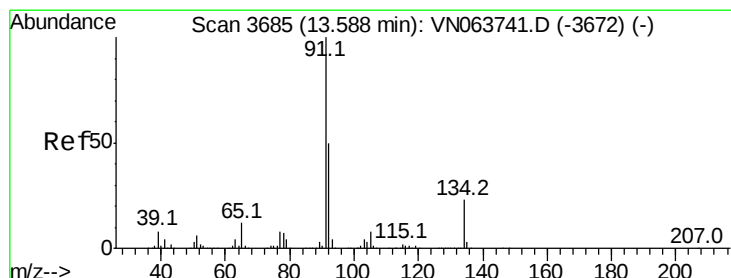
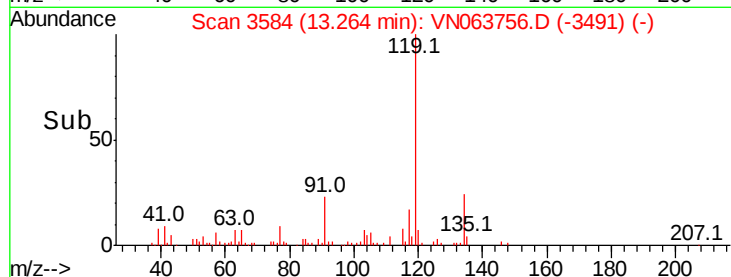
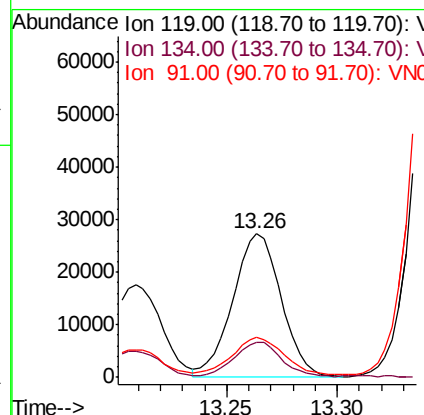
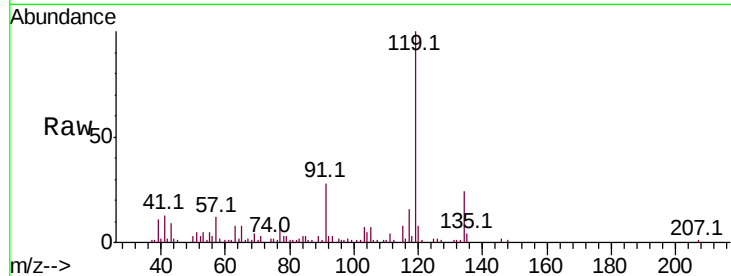




#86
p-Isopropyltoluene
Concen: 3.325 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

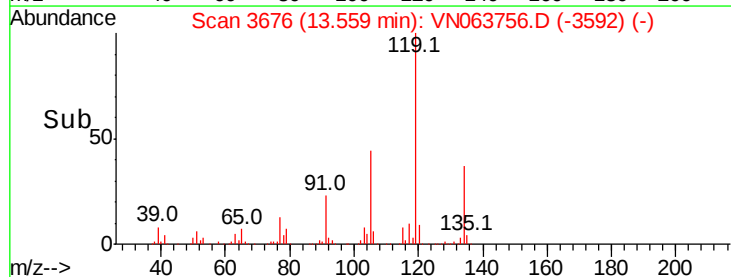
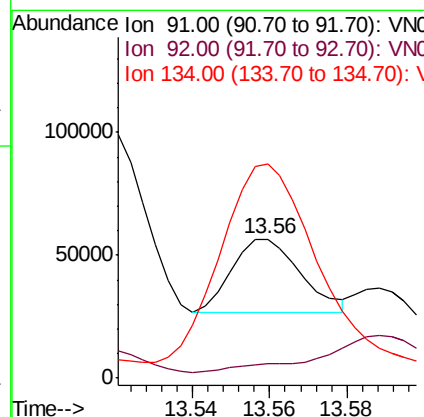
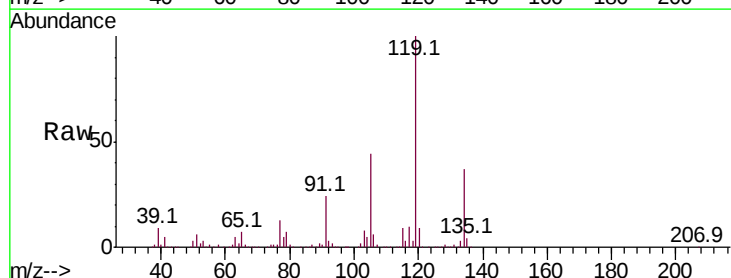
Instrument :
MSVOA_N
ClientSampled :
TP-4DL

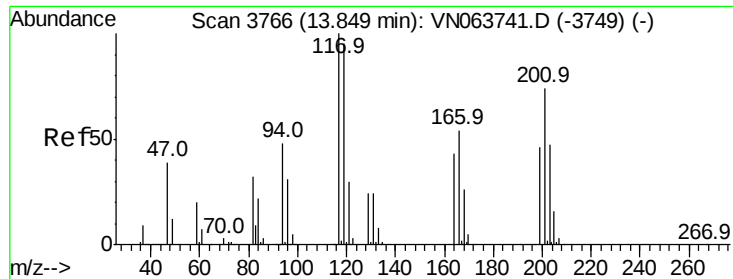
Tot Ion:119 Resp: 41780
Ion Ratio Lower Upper
119 100
134 23.0 12.6 37.8
91 0.0 13.4 40.2#



#89
n-Butylbenzene
Concen: 3.135 ug/l
RT: 13.56 min Scan# 3676
Delta R.T. -0.03 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion: 91 Resp: 36353
Ion Ratio Lower Upper
91 100
92 0.0 25.4 76.4#
134 448.4 11.7 35.1#

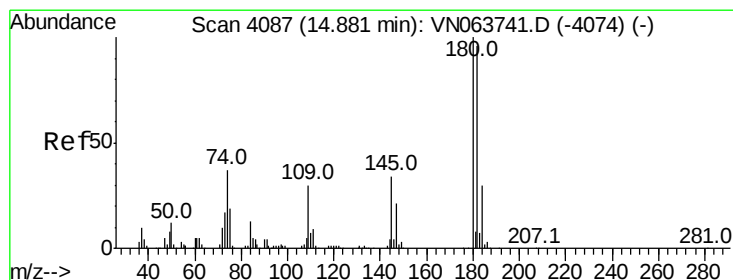
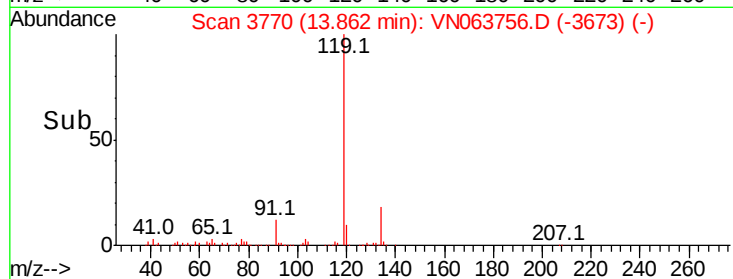
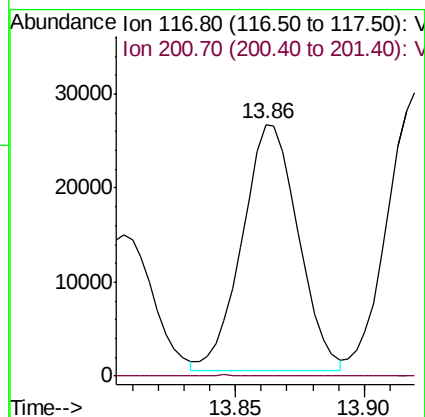
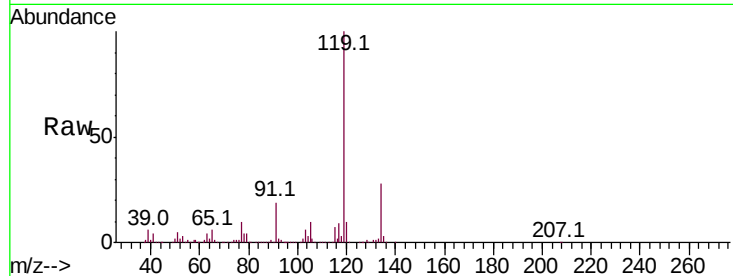




#90
Hexachloroethane
Concen: 16.235 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

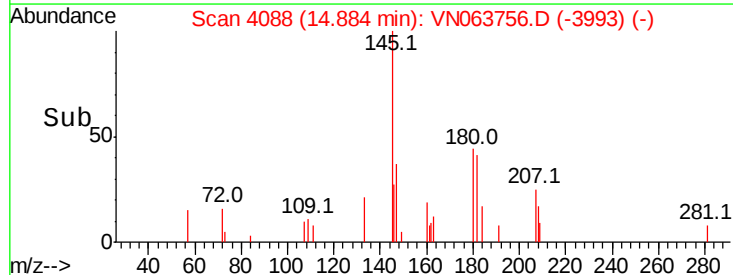
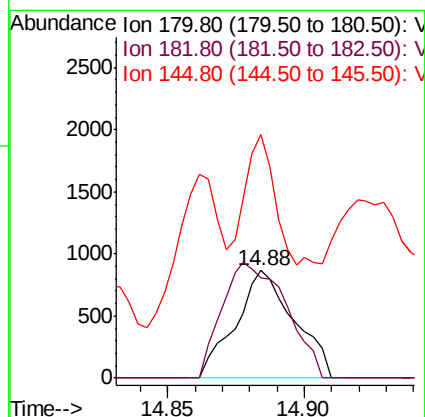
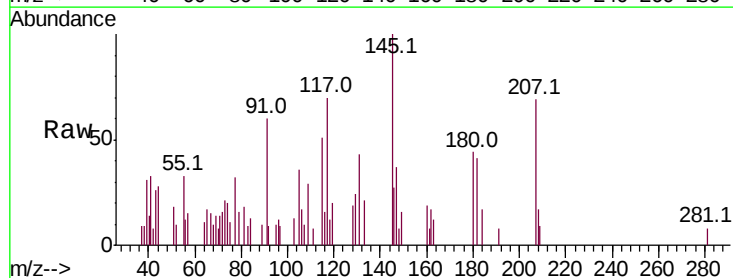
Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

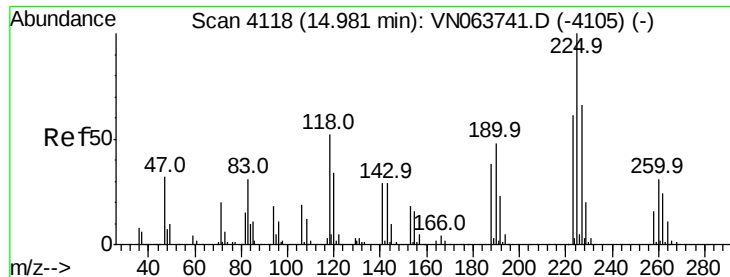
Tot Ion:117 Resp: 39524
Ion Ratio Lower Upper
117 100
201 0.1 36.0 108.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.066 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion:180 Resp: 1287
Ion Ratio Lower Upper
180 100
182 117.8 48.2 144.6
145 168.1 17.1 51.2#





#94

Hexachlorobutadiene

Concen: 0.481 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

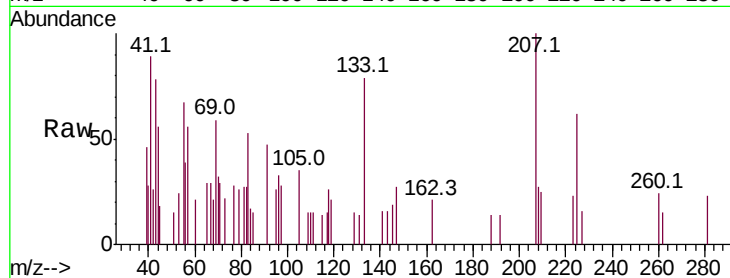
Tot Ion:225 Resp: 779

Ion Ratio Lower Upper

225 100

223 57.4 30.3 91.0

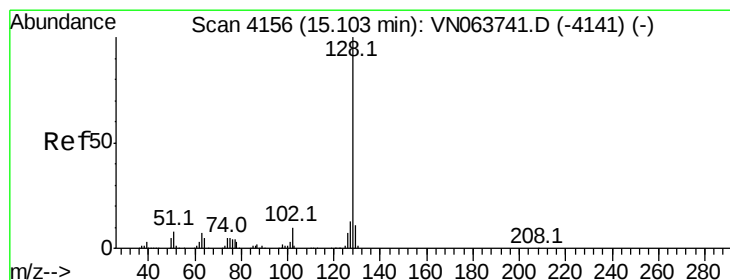
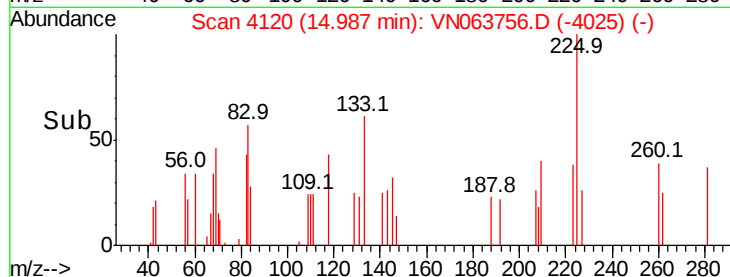
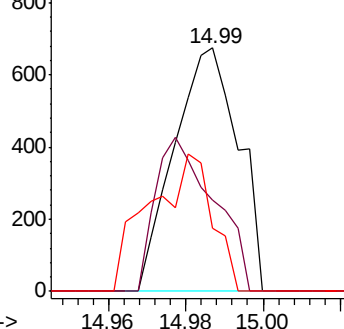
227 54.8 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 73.562 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

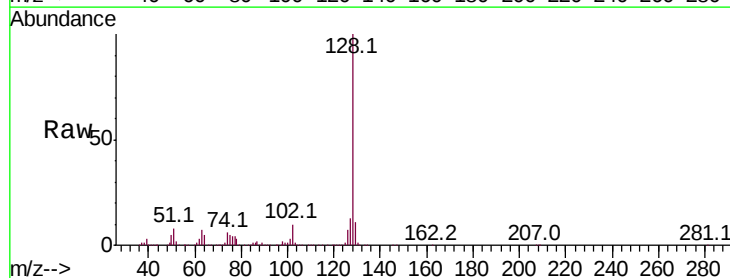
Tgt Ion:128 Resp: 868425

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

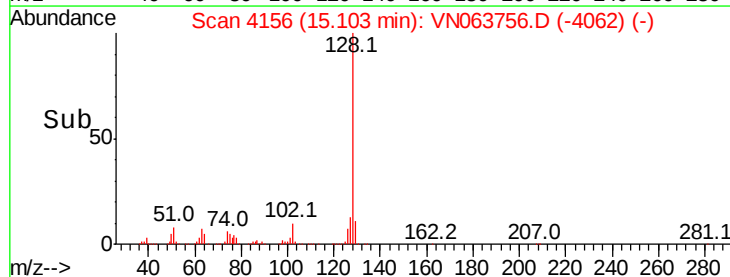
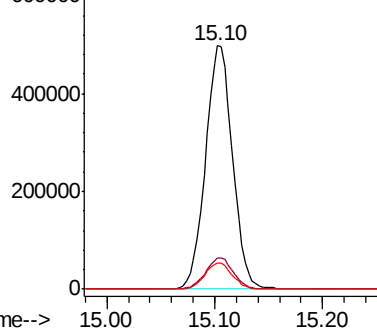
129 10.8 8.7 13.1

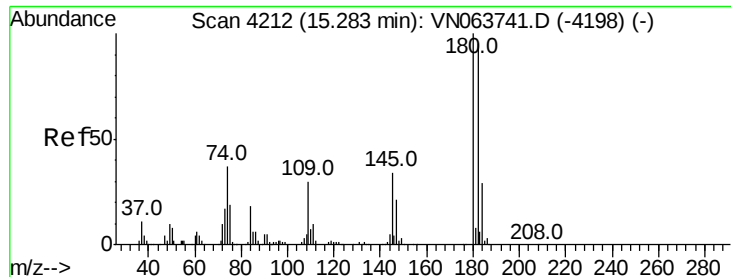


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.854 ug/l
 RT: 15.29 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN063756.D
 Acq: 30 Sep 2020 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4DL

Tot Ion:180 Resp: 1080
 Ion Ratio Lower Upper
 180 100
 182 136.9 47.9 143.6
 145 0.0 17.2 51.5#

