

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052779.D
 Acq On : 11 Dec 2018 4:04
 Operator : MD\SY
 Sample : J6197-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-120718

Quant Time: Dec 11 06:17:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1200784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1840188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1653560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	702173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	613991	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	7.59	113	518093	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
50) Toluene-d8	10.09	98	2262639	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	748961	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.78	59	1126	1.720	ug/l #	73
16) Acetone	3.82	43	23400	6.786	ug/l	99
18) Methyl Acetate	4.33	43	3938	0.398	ug/l	93
20) Methylene Chloride	4.55	84	349479	25.897	ug/l	99
25) 2-Butanone	6.83	43	1603	0.328	ug/l #	86
31) Cyclohexane	7.66	56	28375	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80265	4.619	ug/l #	49
38) Carbon Tetrachloride	7.67	117	105963	6.736	ug/l #	15
39) Methylcyclohexane	9.08	83	9266	0.439	ug/l	95
40) Benzene	8.04	78	39344	0.760	ug/l	98
43) Isopropyl Acetate	8.17	43	75727	4.219	ug/l #	74
45) 1,2-Dichloropropane	9.27	63	3542	0.257	ug/l #	43
48) Methyl methacrylate	9.18	41	16821	1.797	ug/l #	24
49) 1,4-Dioxane	9.26	88	180	1.853	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	9370	0.931	ug/l #	84
52) Toluene	10.16	92	829039	26.944	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	8795	0.552	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	131741	6.896	ug/l #	61
56) Ethyl methacrylate	10.36	69	1533	2.790	ug/l #	25
57) 1,3-Dichloropropane	10.76	76	25141	1.316	ug/l #	43
59) 2-Hexanone	10.76	43	350075	51.799	ug/l #	51
67) Ethyl Benzene	11.51	91	577380	9.670	ug/l	99
68) m/p-Xylenes	11.62	106	881694	39.666	ug/l	99
69) o-Xylene	11.95	106	333802	15.464	ug/l	98
70) Styrene	11.95	104	17549	0.510	ug/l #	1
71) Bromoform	12.40	173	4715	0.601	ug/l #	1
73) Isopropylbenzene	12.25	105	46513	0.844	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	357608	33.027	ug/l #	100
78) n-propylbenzene	12.59	91	219668	3.510	ug/l	98
79) 2-Chlorotoluene	12.66	91	86512	2.321	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	342663	7.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	357608	110.293	ug/l #	11
82) 4-Chlorotoluene	12.73	91	35238	0.938	ug/l #	41
83) tert-Butylbenzene	13.04	119	155754	3.976	ug/l #	73

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

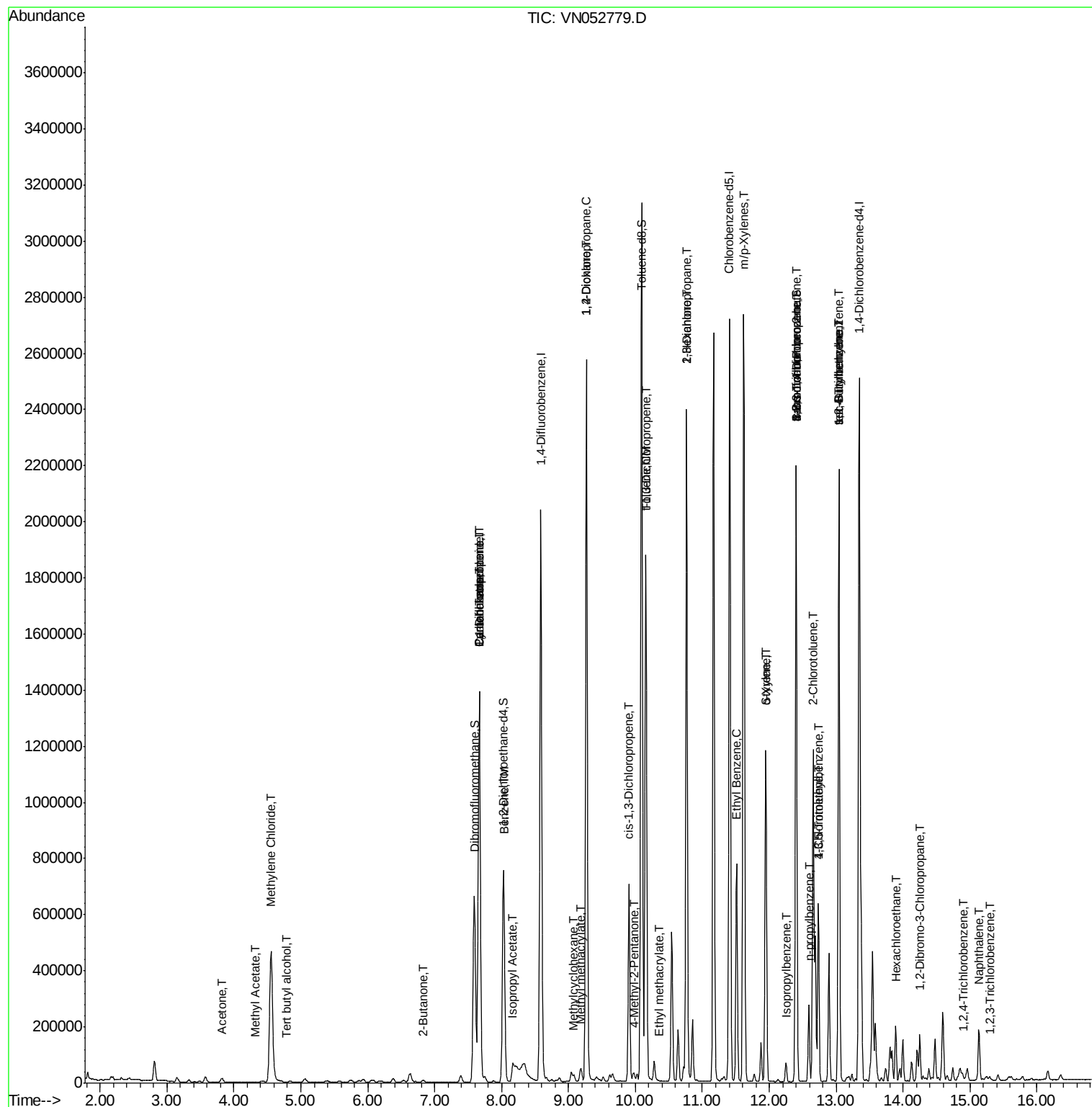
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	1256949	28.546	ug/l	99
85) sec-Butylbenzene	13.04	105	1256949	23.560	ug/l #	57
90) Hexachloroethane	13.89	117	10935	1.421	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.25	75	615	0.343	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1083	2.912	ug/l #	72
95) Naphthalene	15.13	128	161100	9.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	651	2.781	ug/l #	42

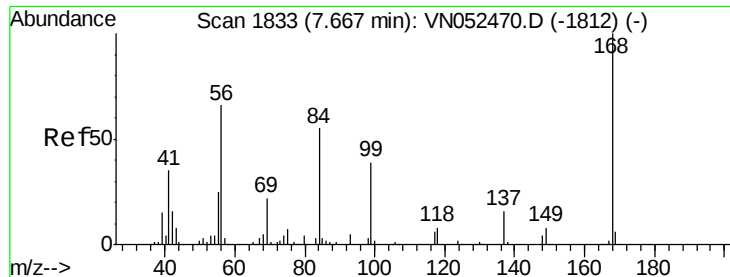
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

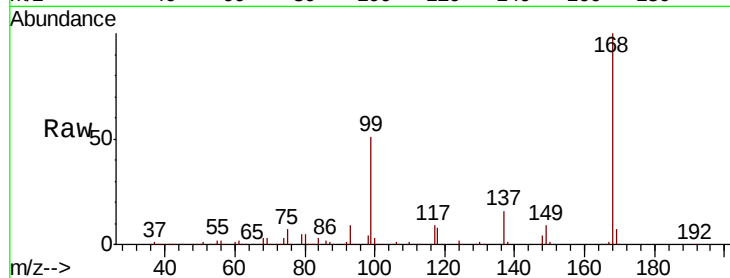
PL-02-120718

Tot Ion:168 Resp: 1200784

Ion Ratio Lower Upper

168 100

99 50.7 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052779.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052779.D (-1740) (-)

7.67

600000

500000

400000

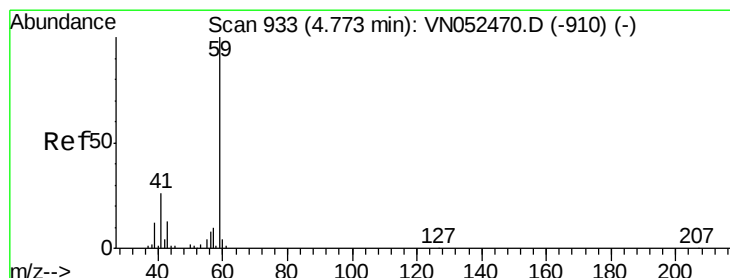
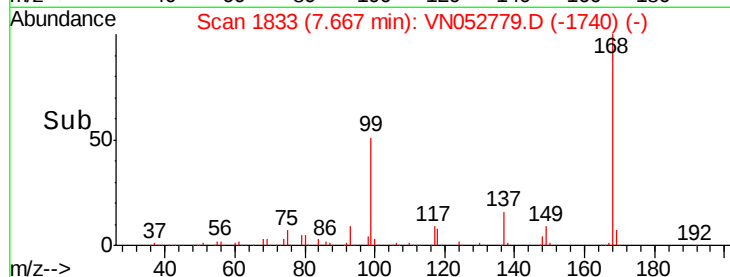
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.720 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN052779.D

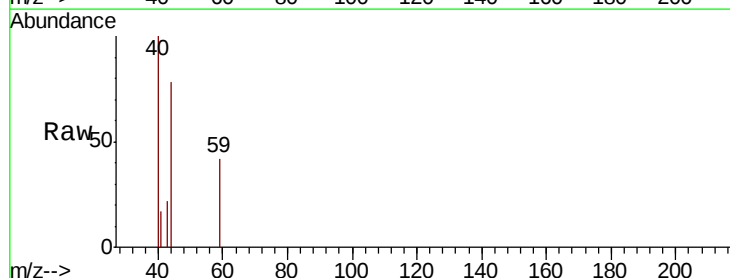
Acq: 11 Dec 2018 4:04

Tgt Ion: 59 Resp: 1126

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN052779.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN052779.D (-840) (-)

4.78

500

400

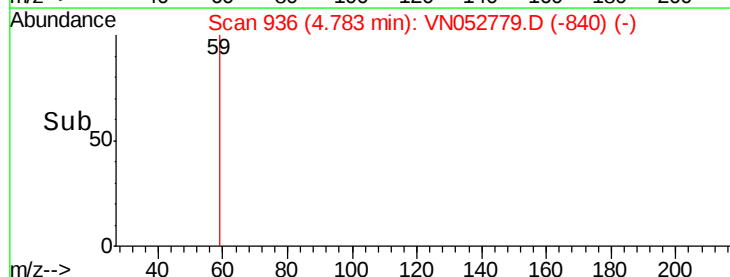
300

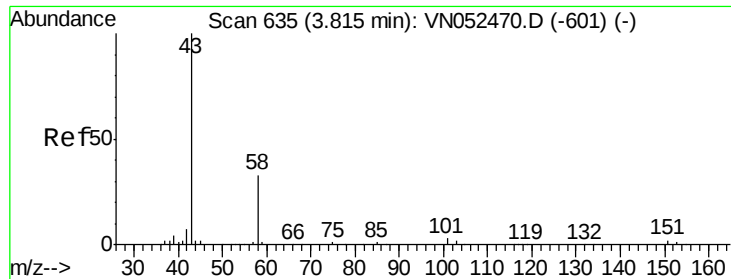
200

100

0

Time-->





#16

Acetone

Concen: 6.786 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

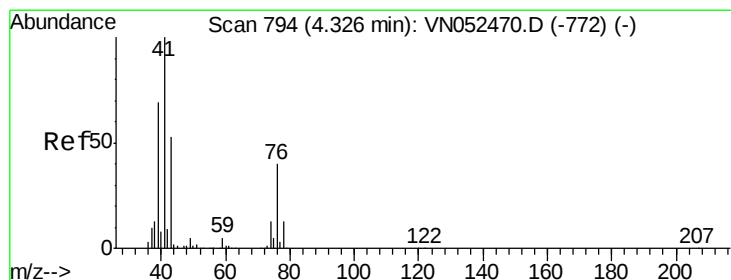
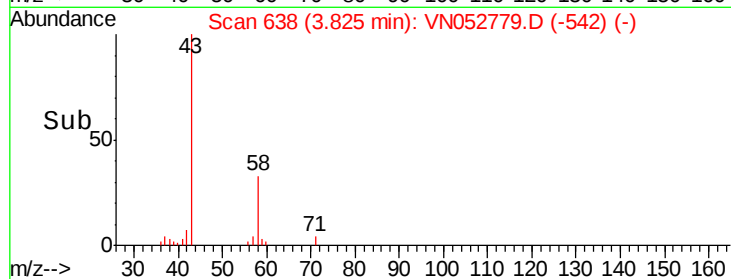
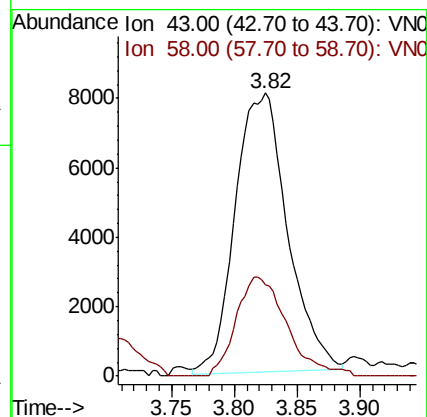
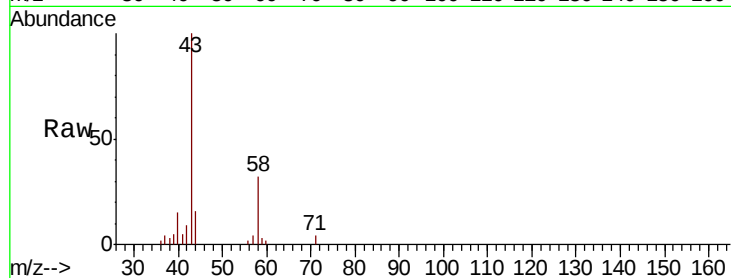
PL-02-120718

Tot Ion: 43 Resp: 23400

Ion Ratio Lower Upper

43 100

58 33.1 26.0 39.0



#18

Methyl Acetate

Concen: 0.398 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052779.D

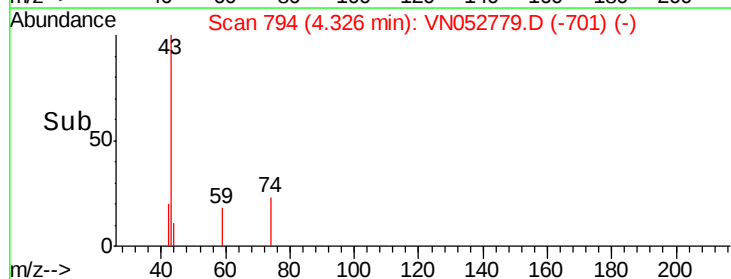
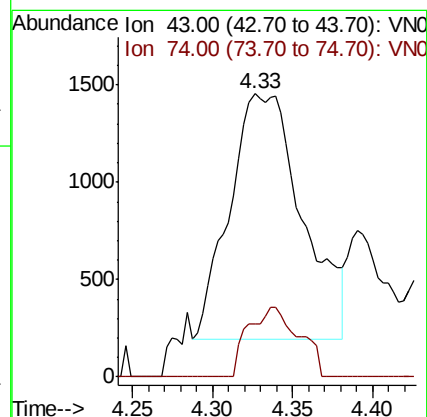
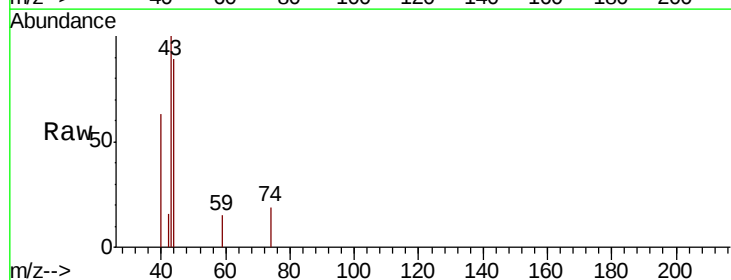
Acq: 11 Dec 2018 4:04

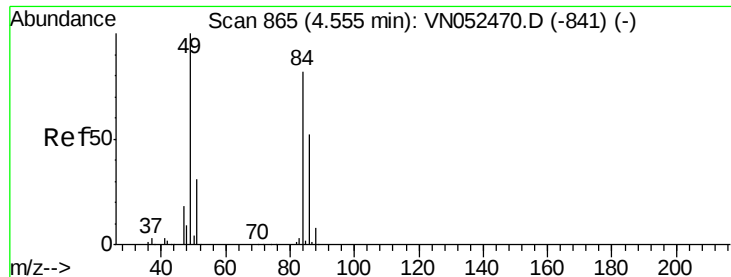
Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

74 19.8 18.6 27.8

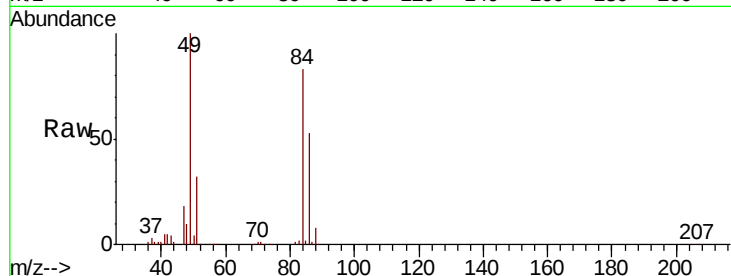




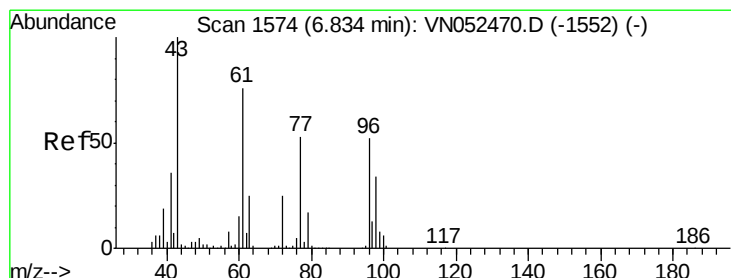
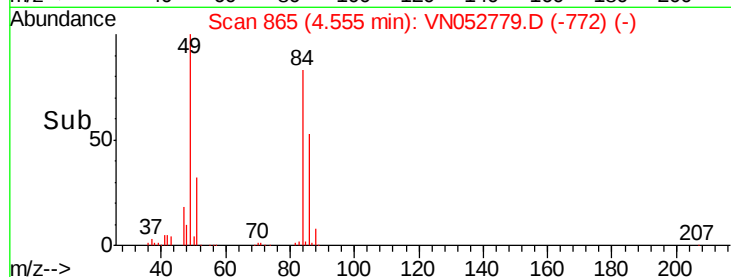
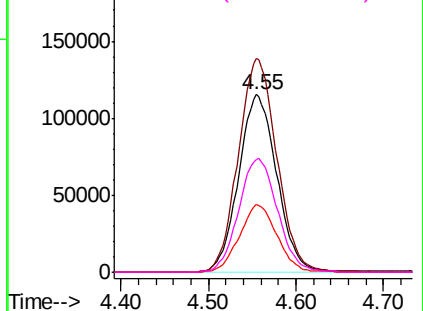
#20
Methvlene Chloride
Concen: 25.897 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Instrument :
MSVOA_N
ClientSampleId :
PL-02-120718

Tot Ion: 84 Resp: 349479
Ion Ratio Lower Upper
84 100
49 120.4 98.0 147.0
51 38.3 30.1 45.1
86 63.6 50.7 76.1

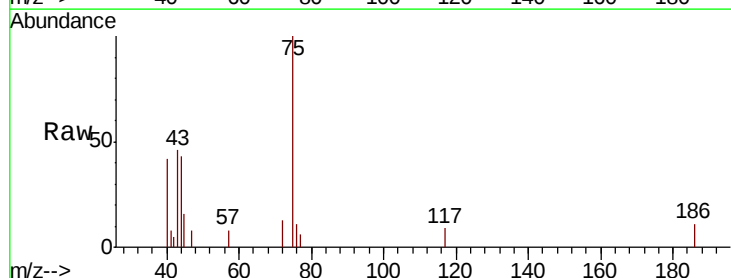


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

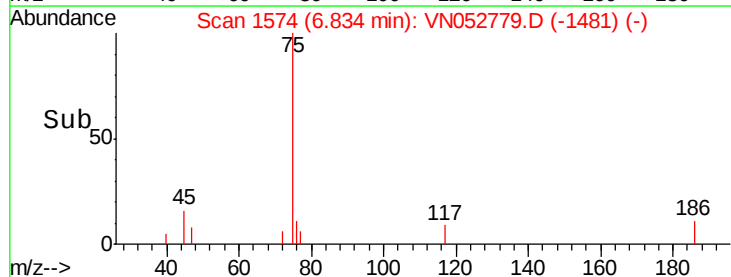
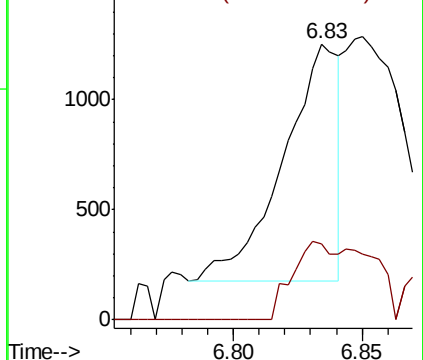


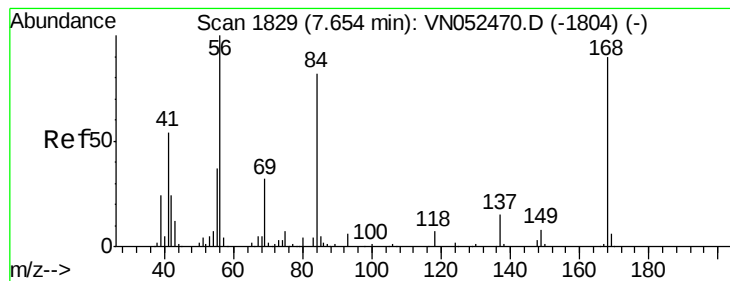
#25
2-Butanone
Concen: 0.328 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
72 31.9 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#31

Cyclohexane

Concen: 0.902 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

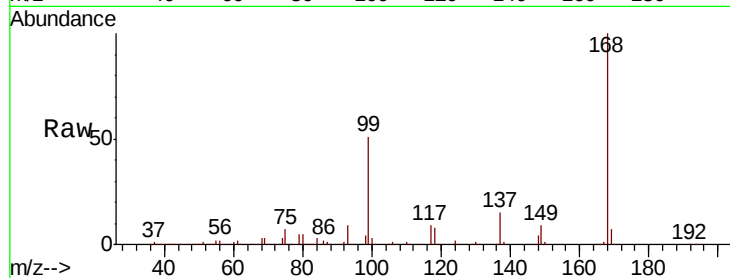
Tot Ion: 56 Resp: 28375

Ion Ratio Lower Upper

56 100

69 159.0 25.8 38.6#

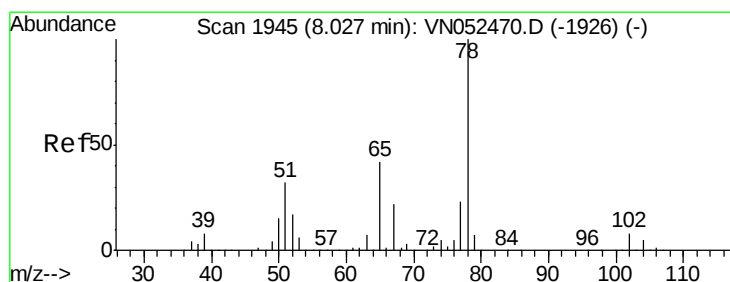
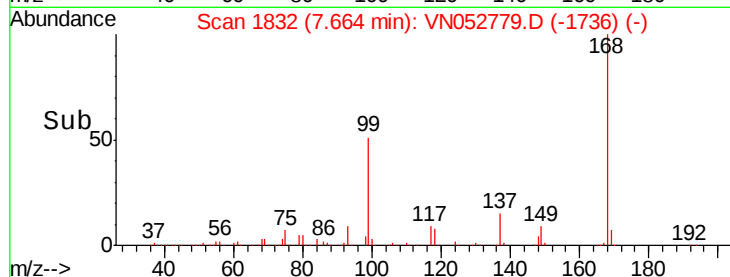
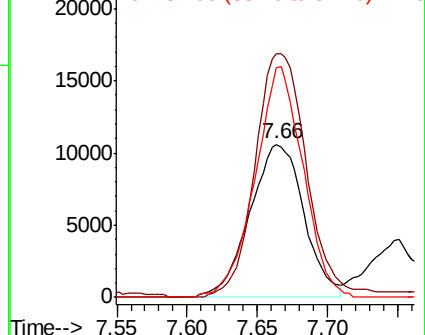
84 149.5 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052779.D

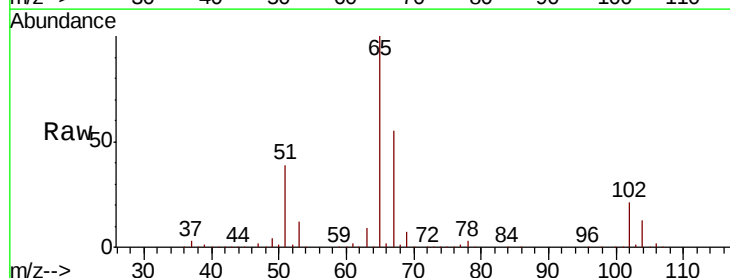
Acq: 11 Dec 2018 4:04

Tgt Ion: 65 Resp: 613991

Ion Ratio Lower Upper

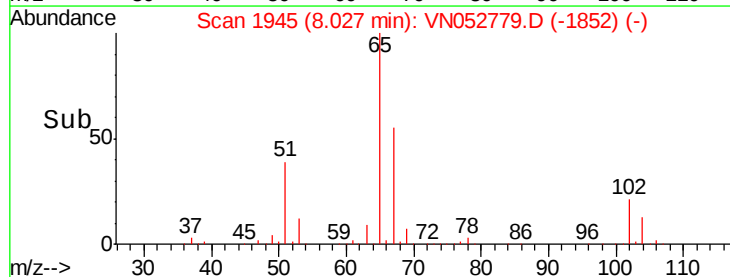
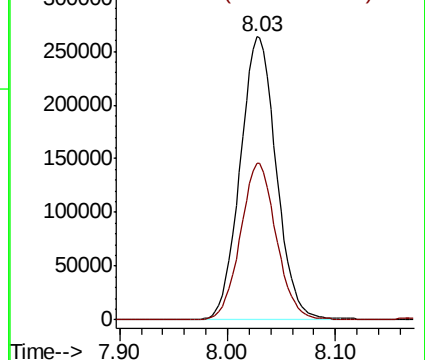
65 100

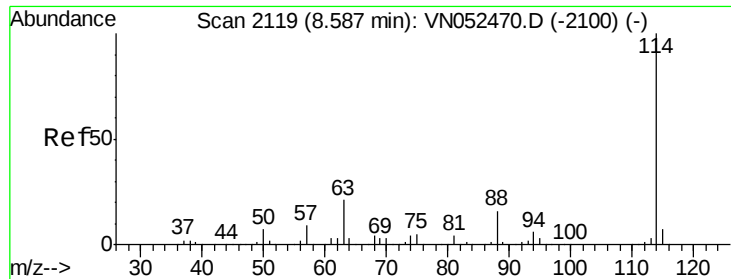
67 55.0 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

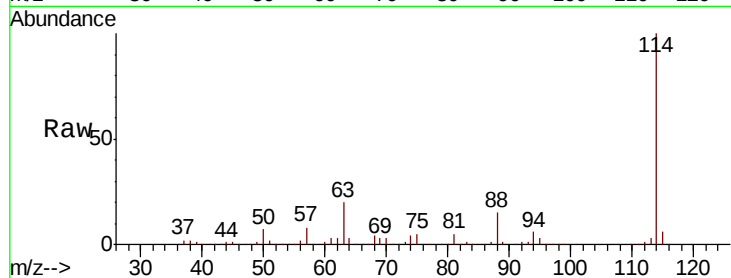




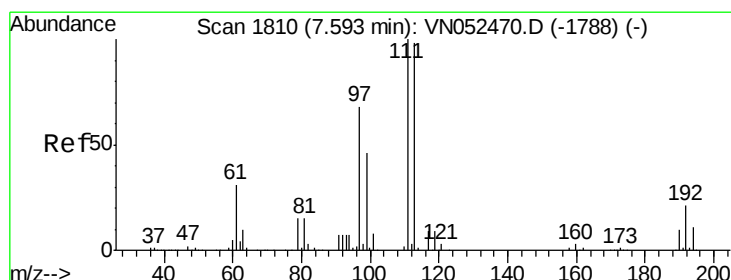
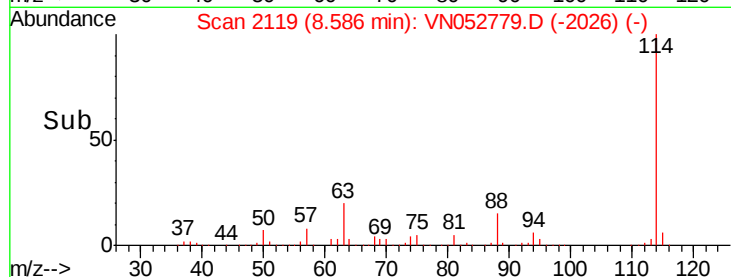
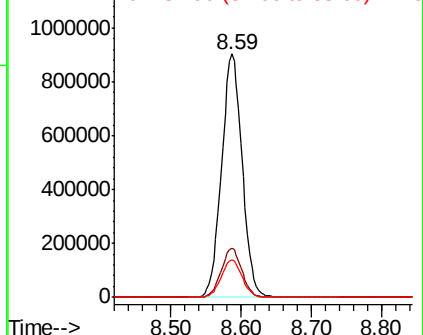
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

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Tot Ion:114 Resp: 1840188
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.8
88 15.4 0.0 31.6

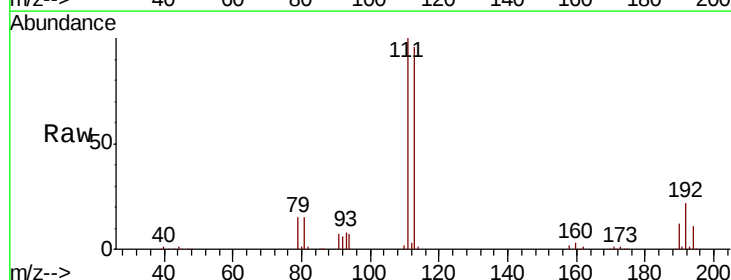


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

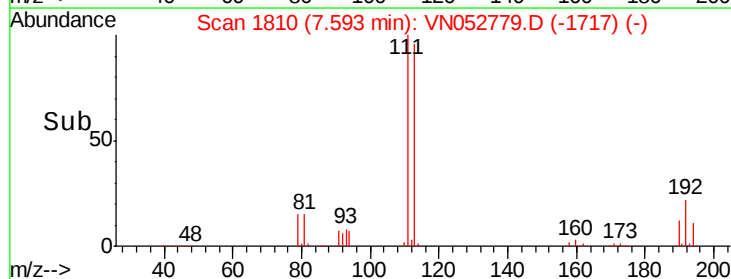
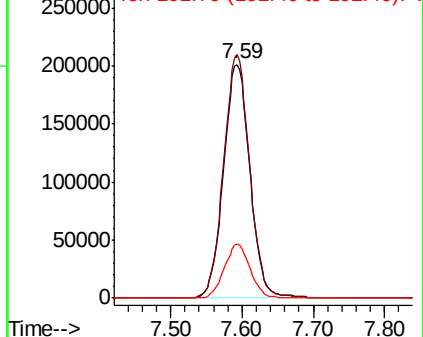


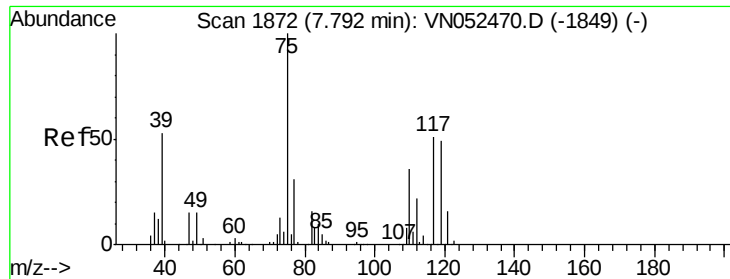
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion:113 Resp: 518093
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 22.4 17.0 25.6



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: 4.619 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

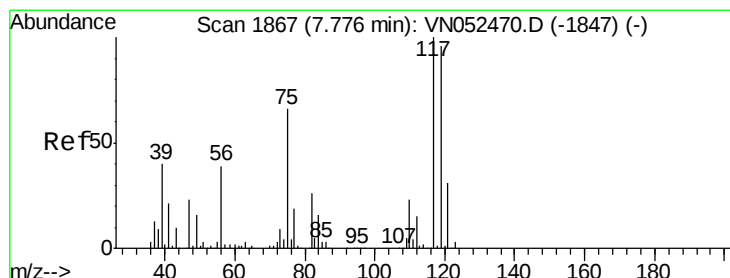
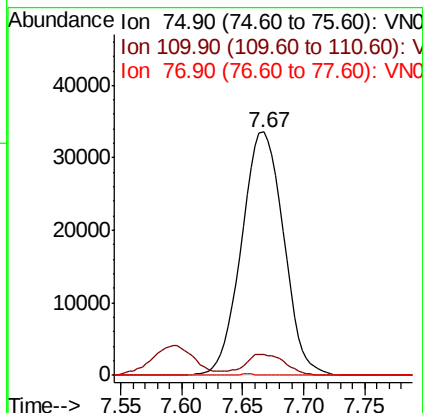
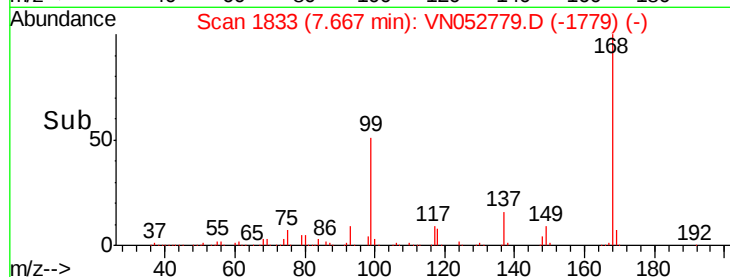
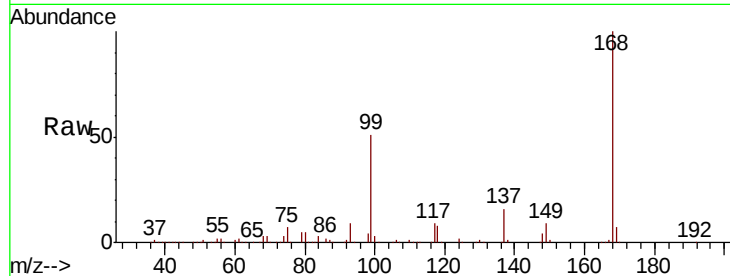
Tot Ion: 75 Resp: 80265

Ion Ratio Lower Upper

75 100

110 8.5 17.5 52.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.736 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

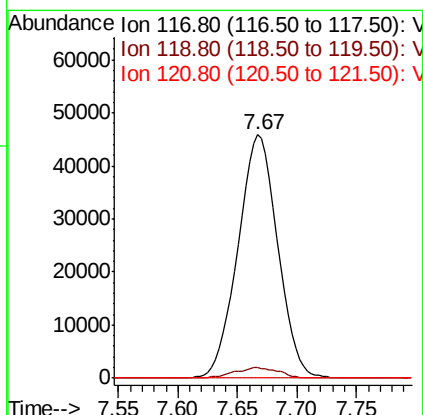
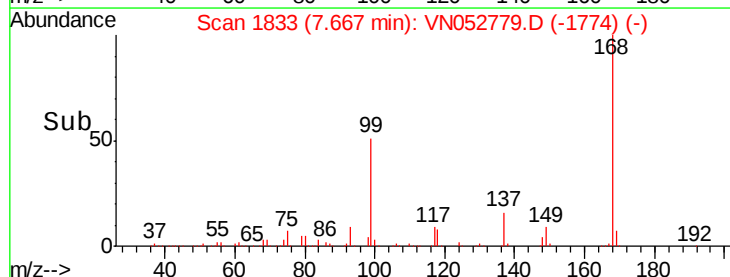
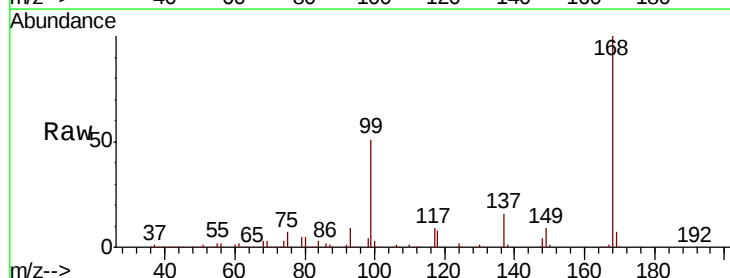
Tgt Ion: 117 Resp: 105963

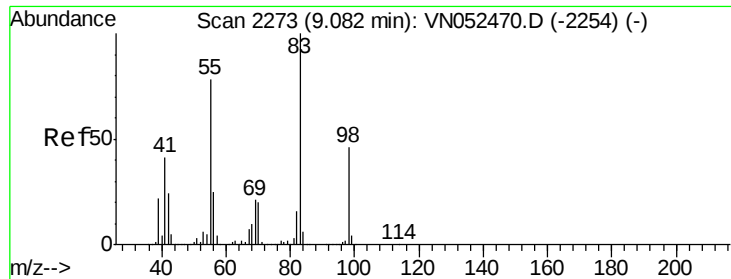
Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

121 0.0 24.9 37.3#

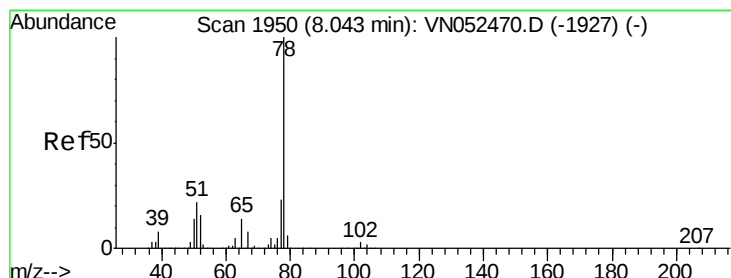
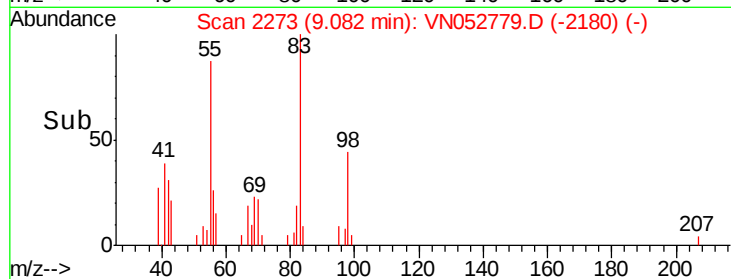
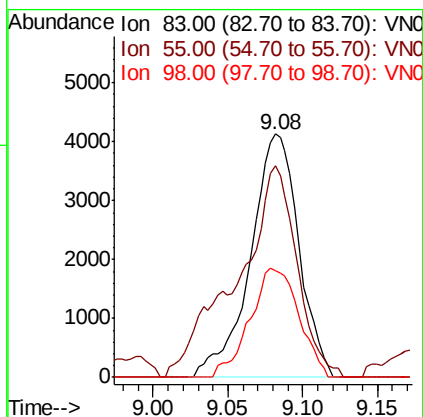
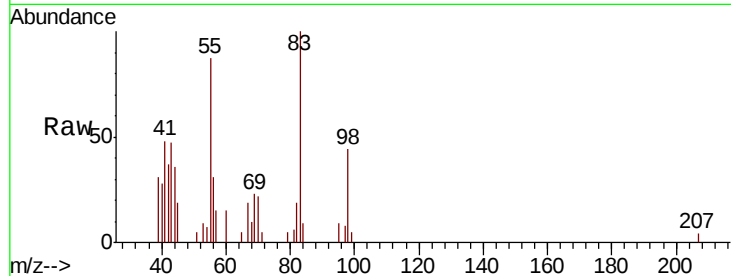




#39
Methvlcvclohexane
Concen: 0.439 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

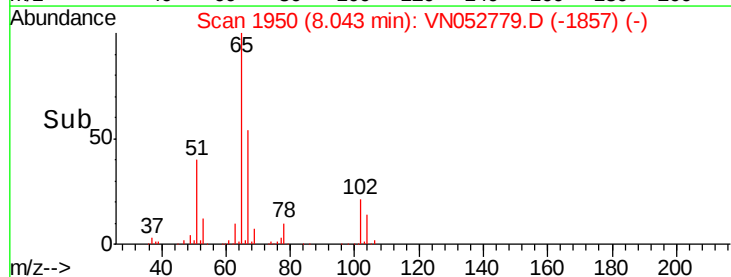
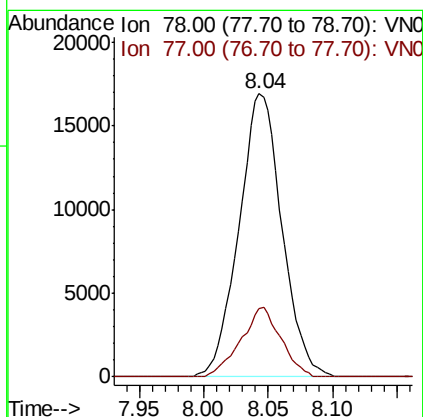
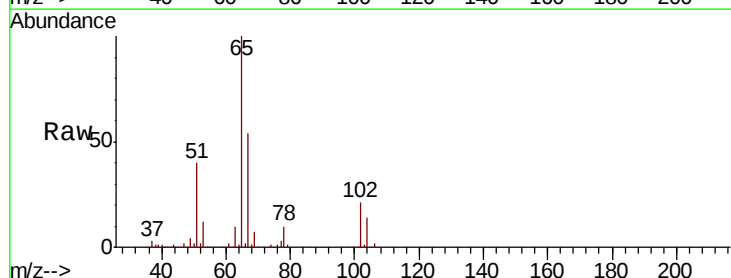
Instrument :
MSVOA_N
ClientSampleId :
PL-02-120718

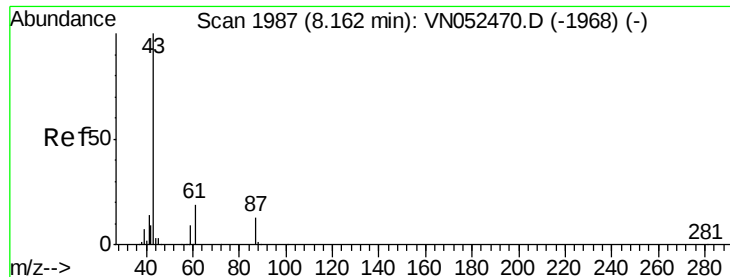
Tot Ion: 83 Resp: 9266
Ion Ratio Lower Upper
83 100
55 83.2 62.2 93.2
98 44.0 36.4 54.6



#40
Benzene
Concen: 0.760 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion: 78 Resp: 39344
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2





#43

Isopropyl Acetate

Concen: 4.219 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

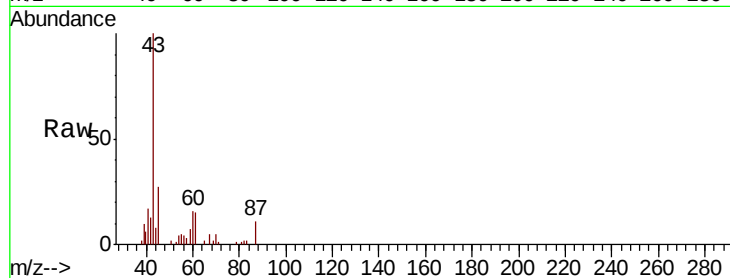
Tot Ion: 43 Resp: 75727

Ion Ratio Lower Upper

43 100

61 13.0 24.1 36.1#

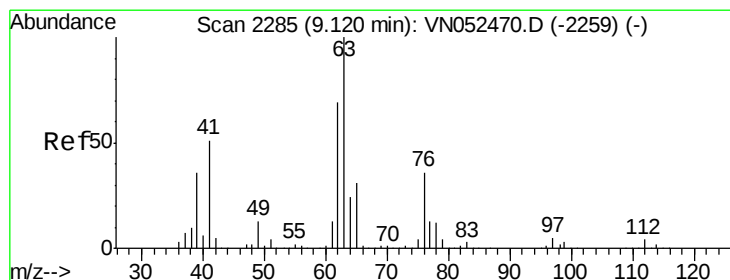
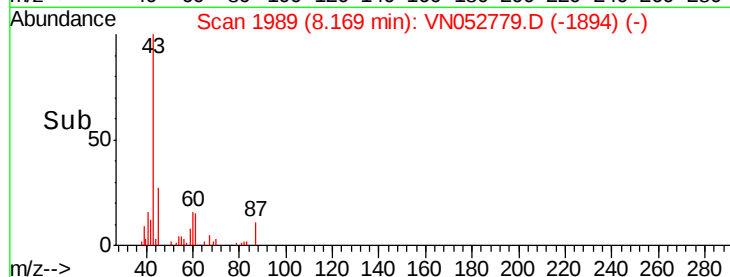
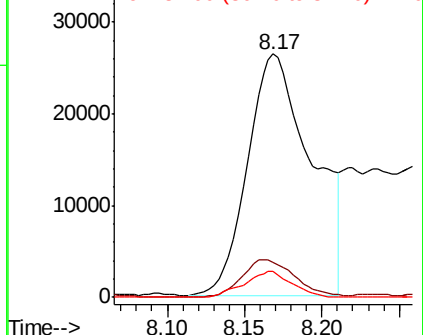
87 7.9 10.6 15.8#



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: 0.257 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052779.D

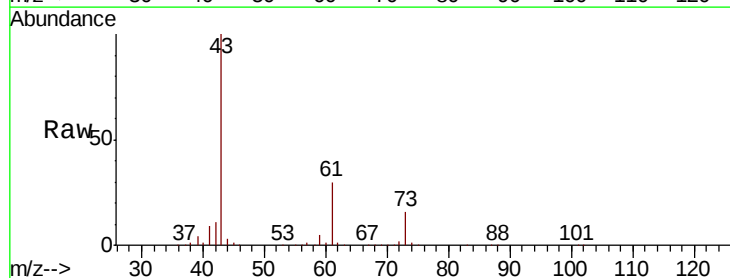
Acq: 11 Dec 2018 4:04

Tgt Ion: 63 Resp: 3542

Ion Ratio Lower Upper

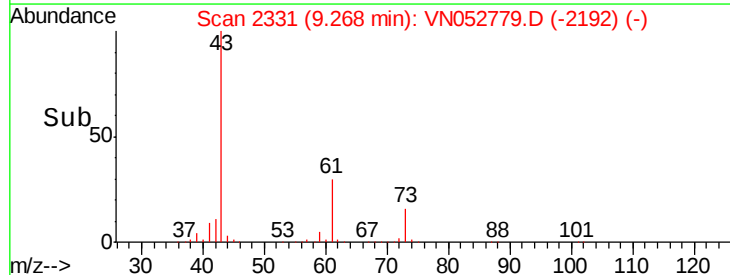
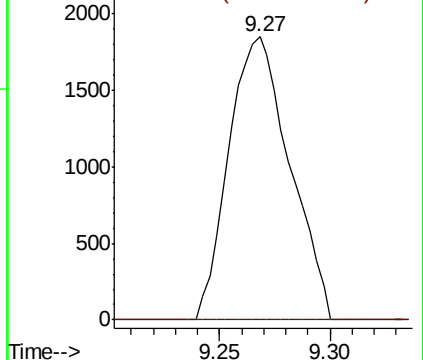
63 100

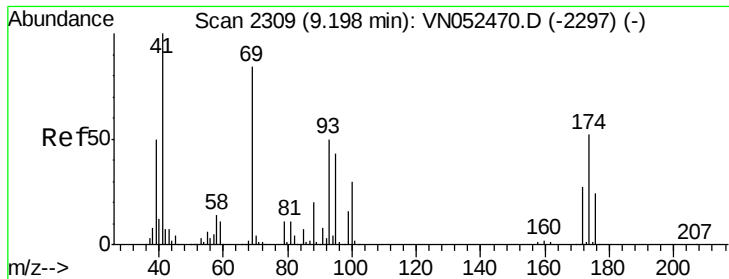
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

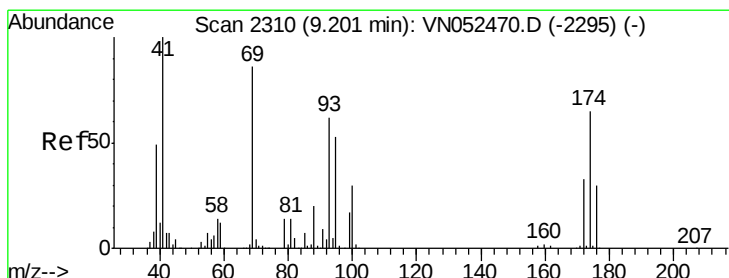
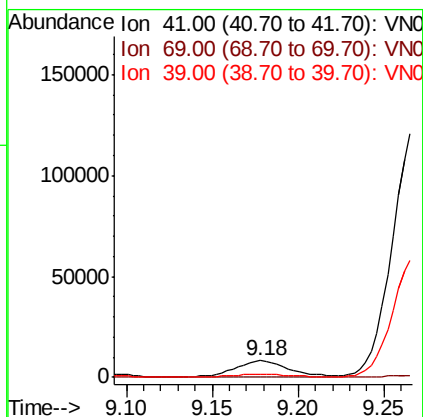
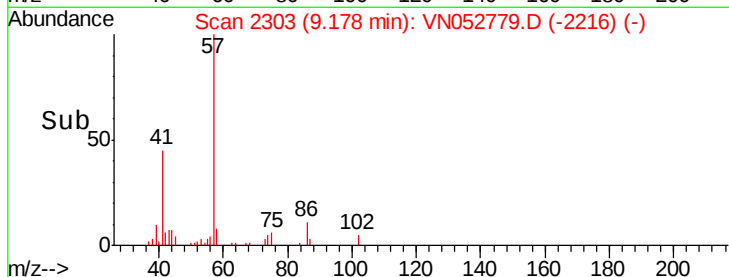
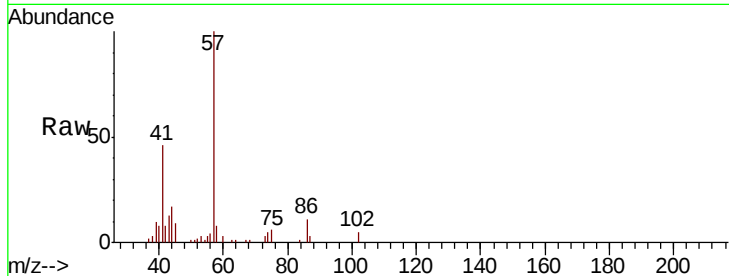




#48
Methvl methacrylate
Concen: 1.797 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

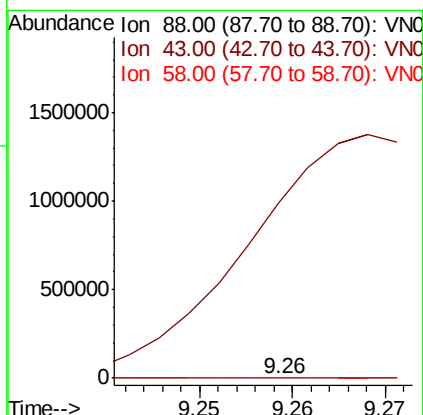
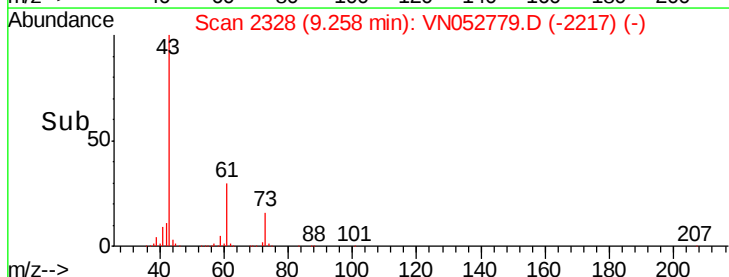
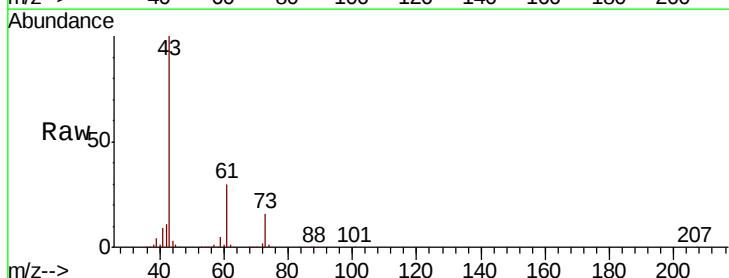
Instrument :
MSVOA_N
ClientSampleId :
PL-02-120718

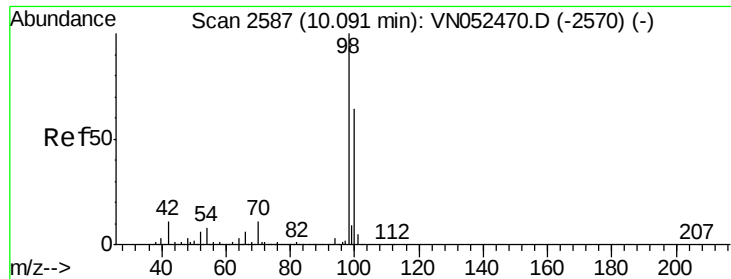
Tot Ion: 41 Resp: 16821
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 20.6 42.6 64.0#



#49
1,4-Dioxane
Concen: 1.853 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 1408795.0 26.4 39.6#
58 5940.6 55.4 83.0#





#50

Toluene-d8

Concen: 1.853 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

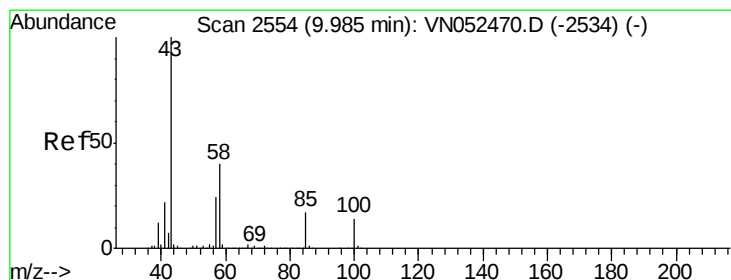
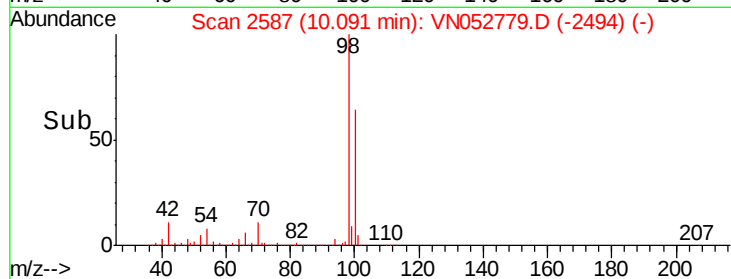
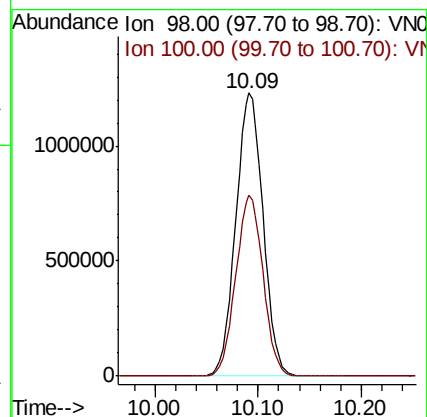
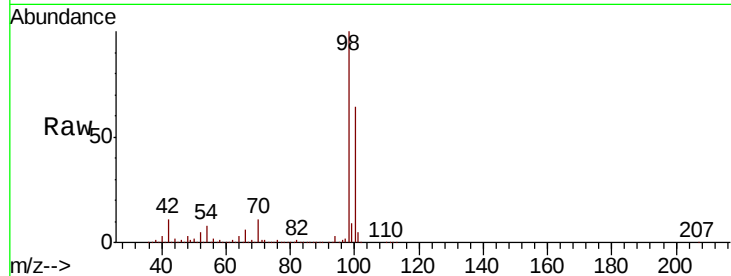
PL-02-120718

Tot Ion: 98 Resp: 2262639

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 0.931 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052779.D

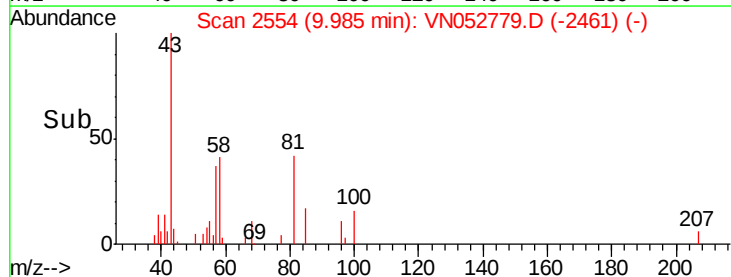
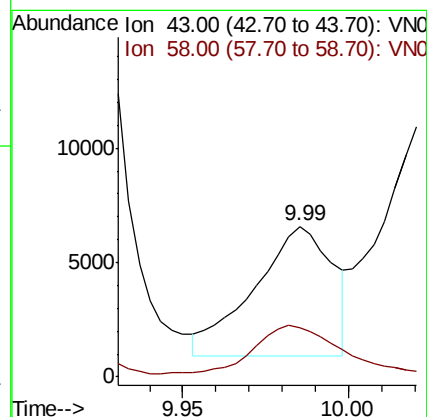
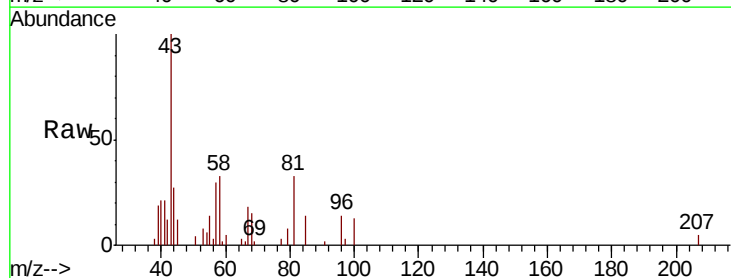
Acq: 11 Dec 2018 4:04

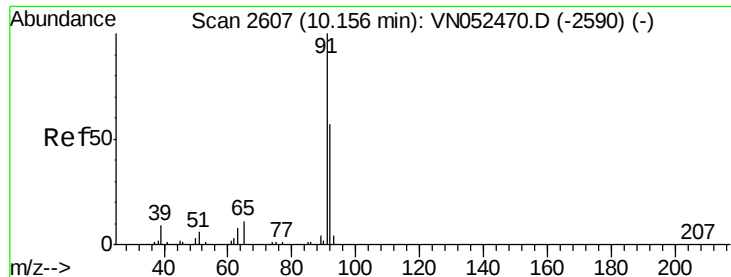
Tgt Ion: 43 Resp: 9370

Ion Ratio Lower Upper

43 100

58 48.9 31.5 47.3#





#52

Toluene

Concen: 26.944 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

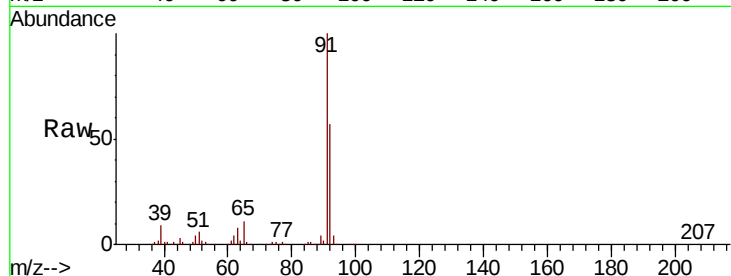
PL-02-120718

Tot Ion: 92 Resp: 829039

Ion Ratio Lower Upper

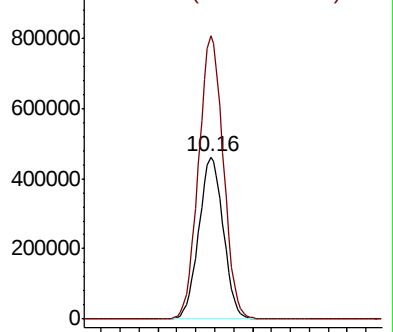
92 100

91 176.4 141.0 211.4

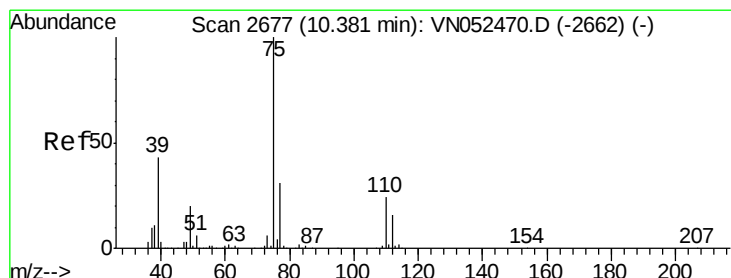
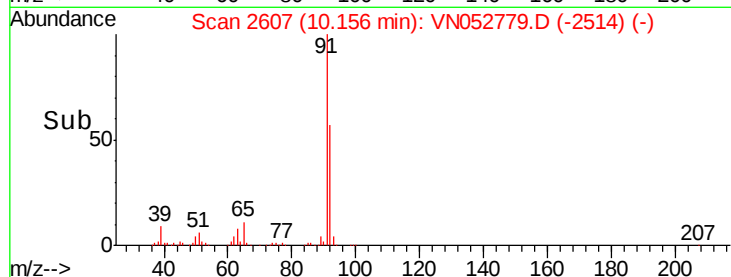


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.552 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN052779.D

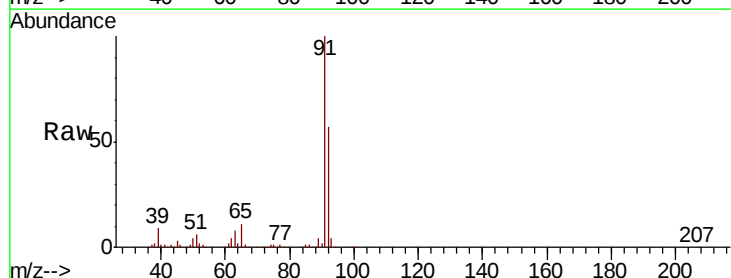
Acq: 11 Dec 2018 4:04

Tgt Ion: 75 Resp: 8795

Ion Ratio Lower Upper

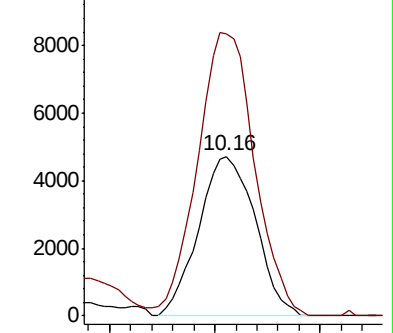
75 100

77 177.0 25.0 37.4#

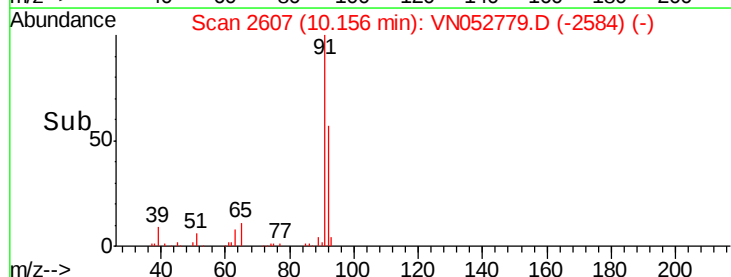


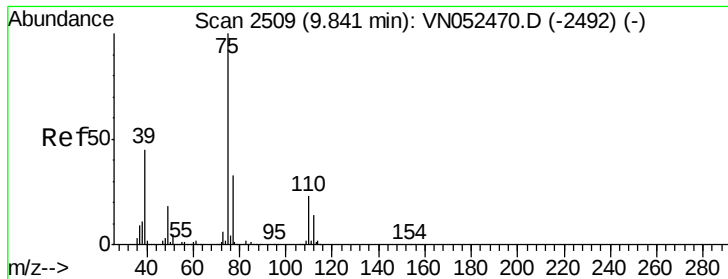
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.896 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

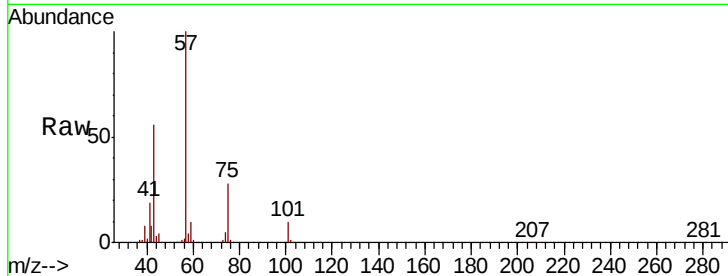
Tot Ion: 75 Resp: 131741

Ion Ratio Lower Upper

75 100

77 0.3 26.2 39.2#

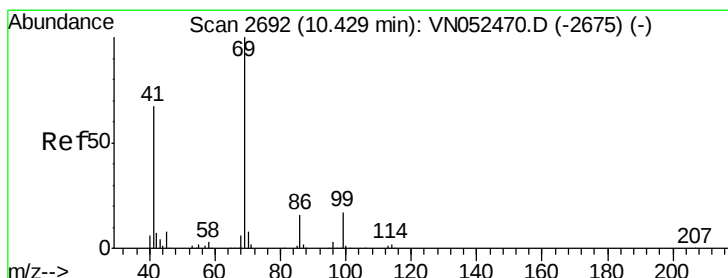
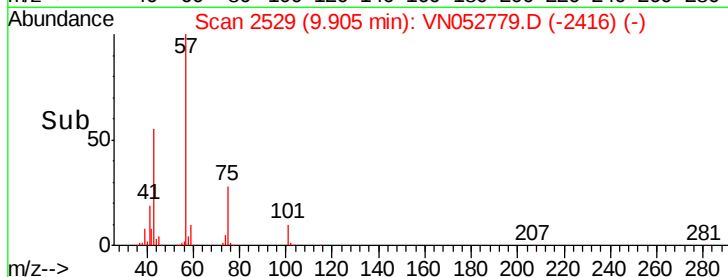
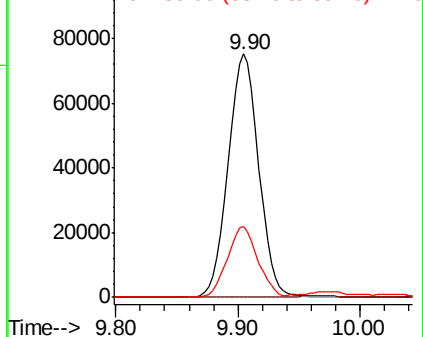
39 28.7 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.790 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. -0.07 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

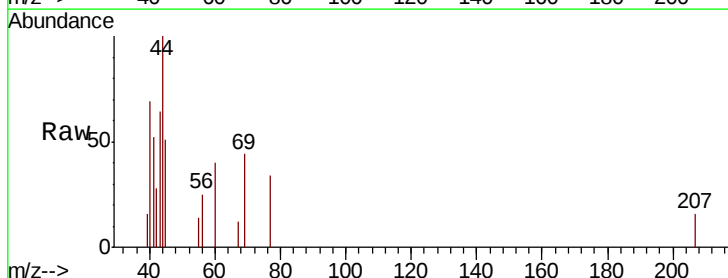
Tgt Ion: 69 Resp: 1533

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

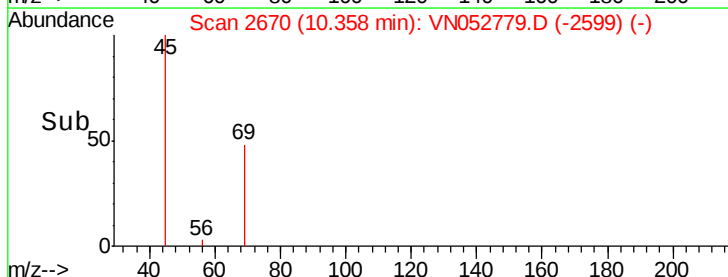
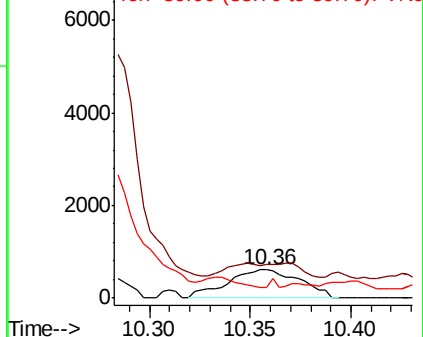
39 0.0 25.9 38.9#

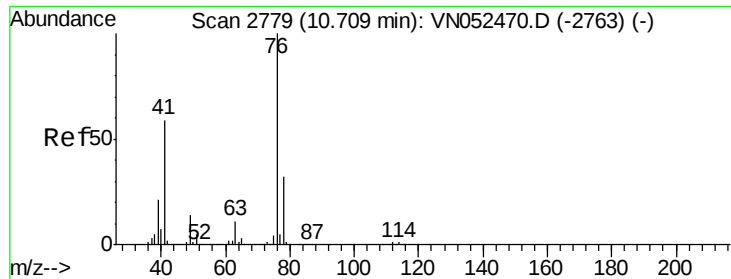


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

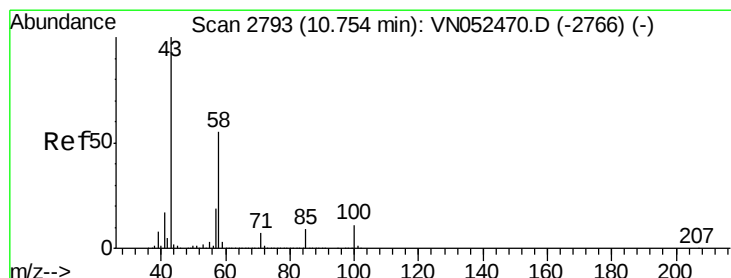
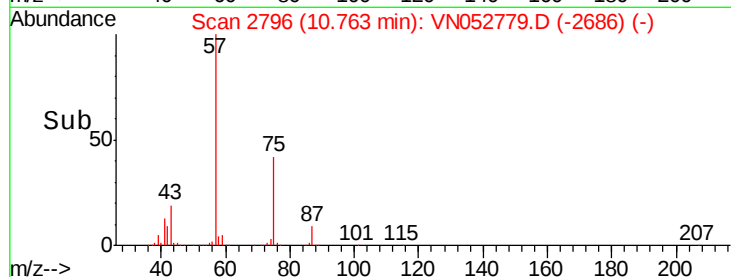
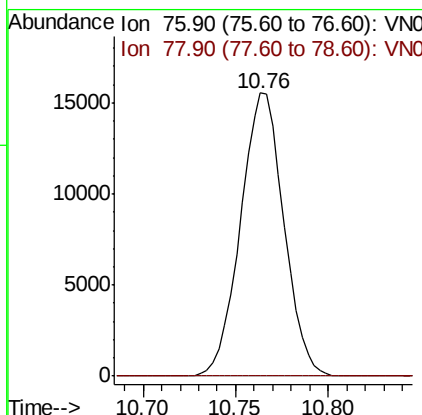
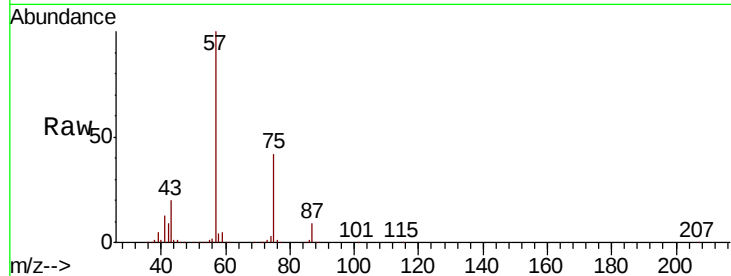




#57
 1,3-Dichloropropane
 Concen: 1.316 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052779.D
 Acq: 11 Dec 2018 4:04

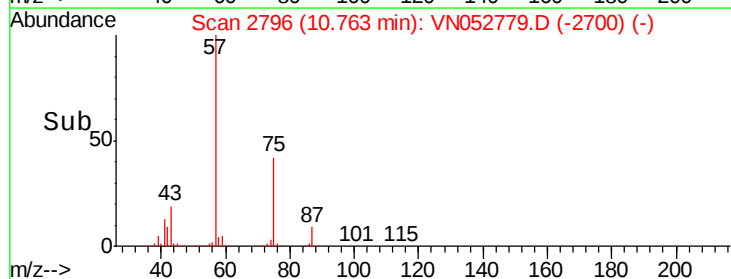
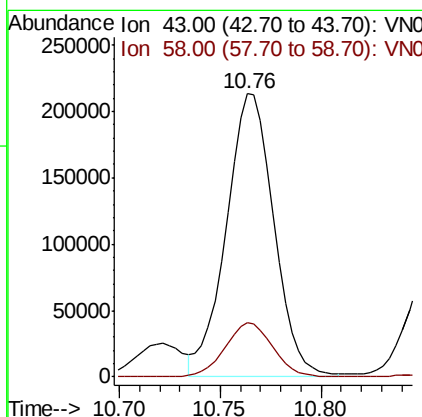
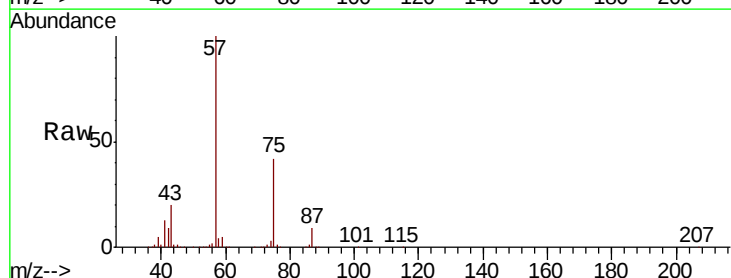
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-120718

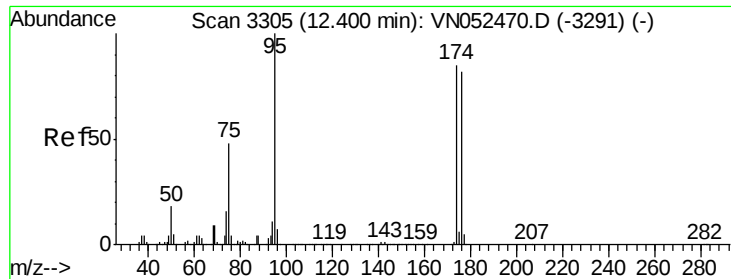
Tot Ion: 76 Resp: 25141
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 51.799 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052779.D
 Acq: 11 Dec 2018 4:04

Tgt Ion: 43 Resp: 350075
 Ion Ratio Lower Upper
 43 100
 58 19.3 27.4 82.0#

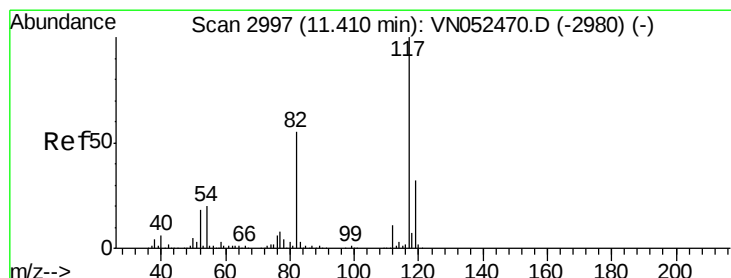
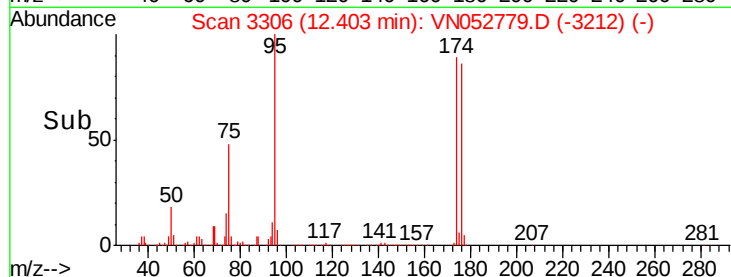
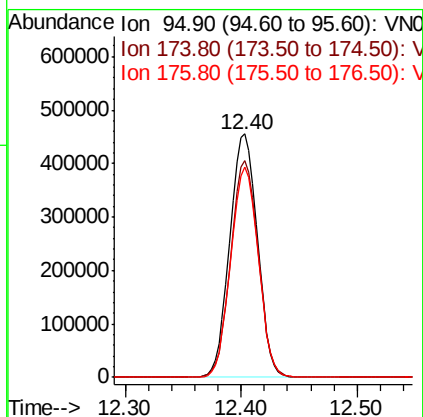
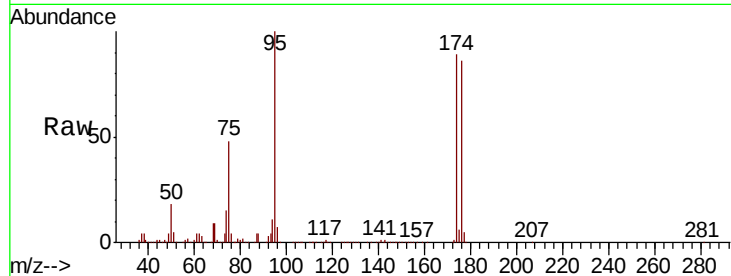




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

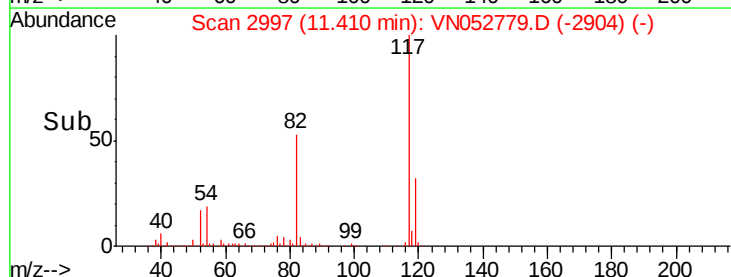
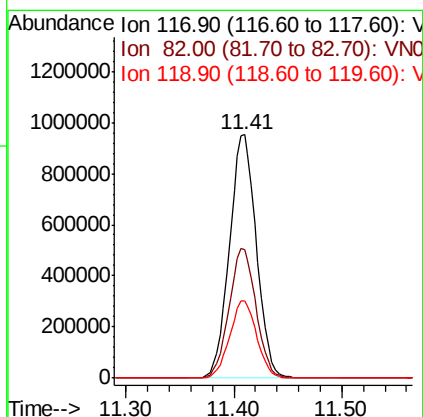
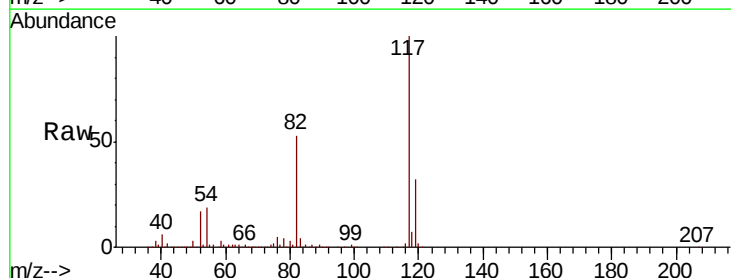
Instrument :
MSVOA_N
ClientSampleId :
PL-02-120718

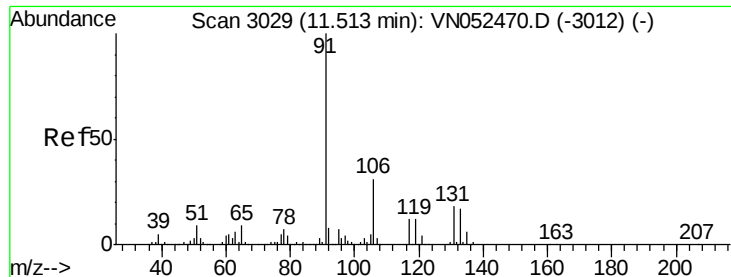
Tot Ion: 95 Resp: 748961
Ion Ratio Lower Upper
95 100
174 88.4 0.0 173.0
176 86.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion: 117 Resp: 1653560
Ion Ratio Lower Upper
117 100
82 53.0 43.6 65.4
119 31.8 25.4 38.2

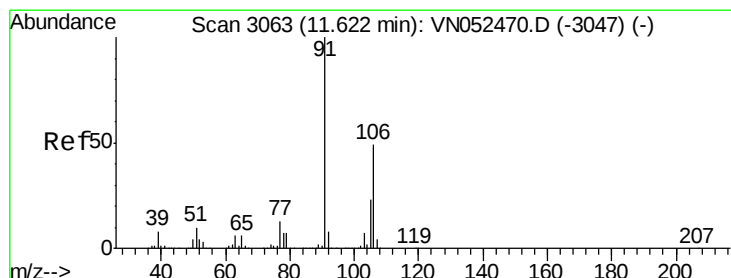
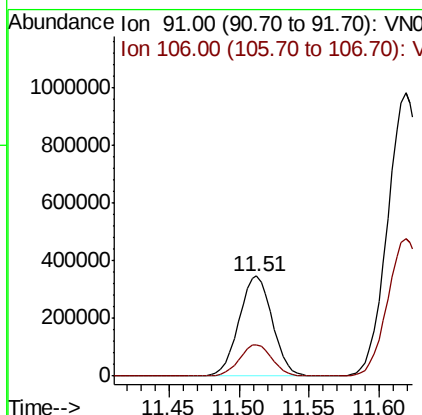
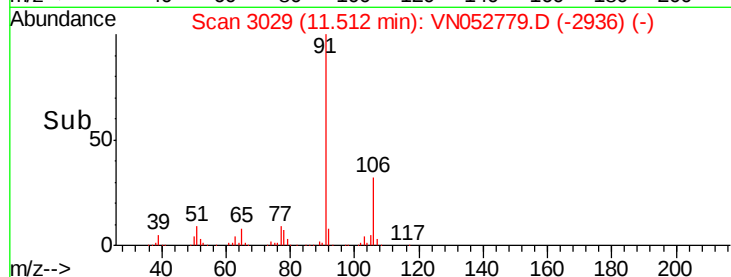
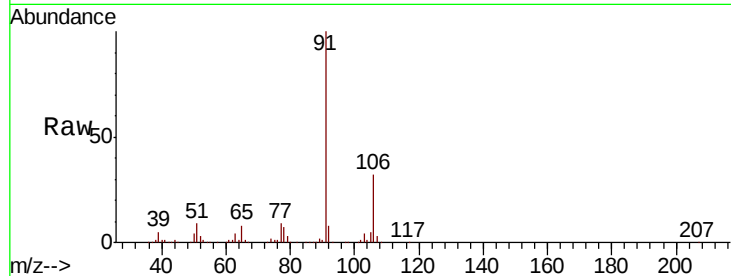




#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

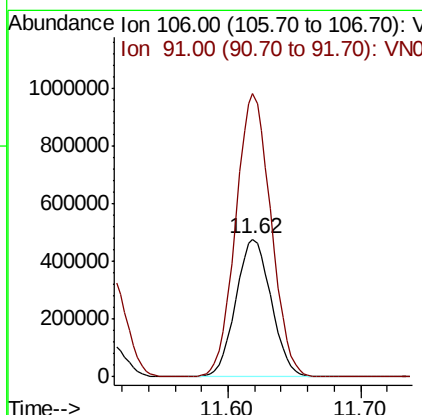
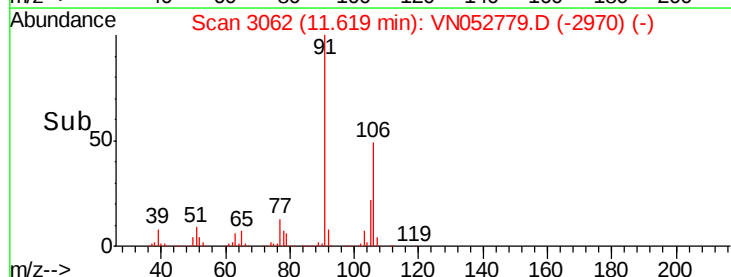
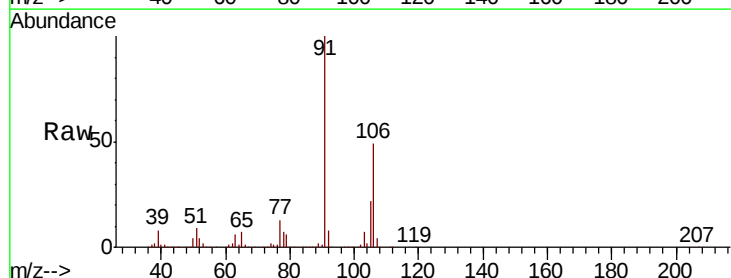
Instrument :
MSVOA_N
ClientSampled :
PL-02-120718

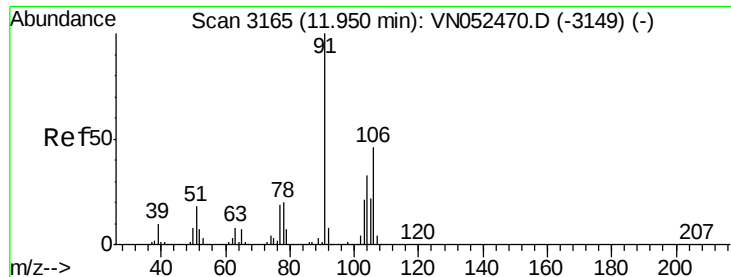
Tot Ion: 91 Resp: 577380
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 39.666 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion: 106 Resp: 881694
Ion Ratio Lower Upper
106 100
91 205.0 163.2 244.8

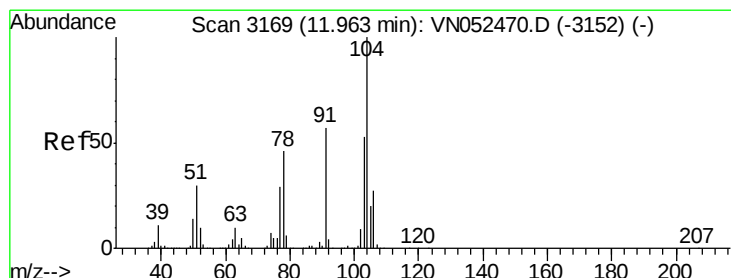
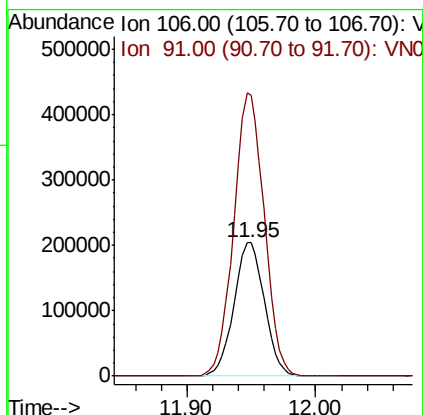
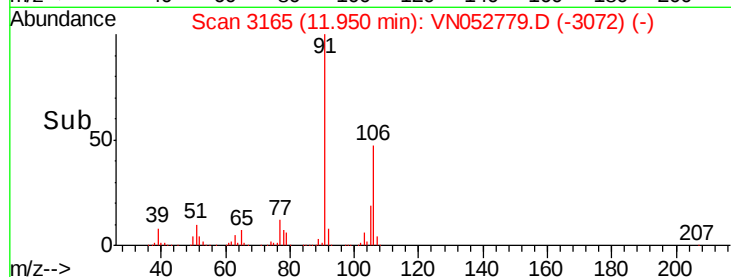
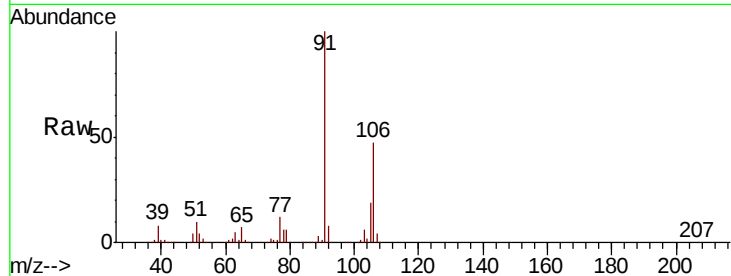




#69
o-Xylene
Concen: 15.464 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

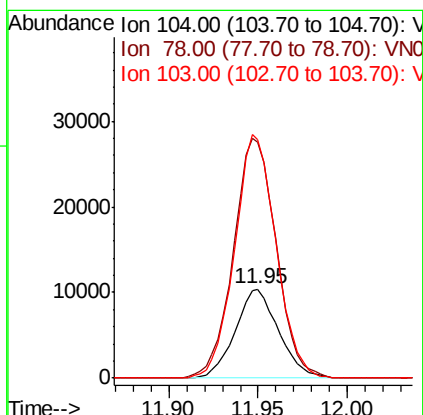
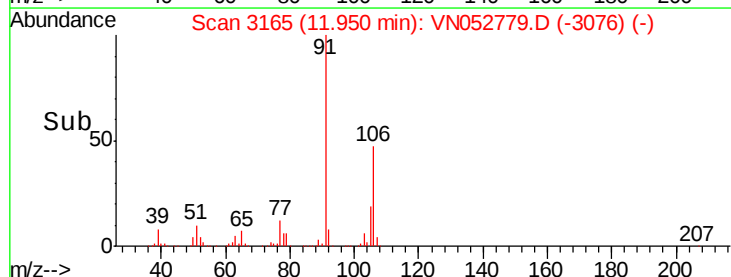
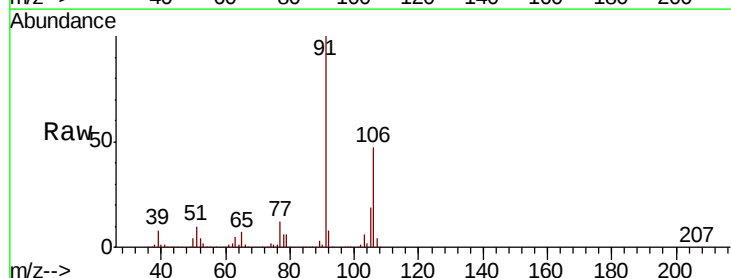
Instrument :
MSVOA_N
ClientSampleId :
PL-02-120718

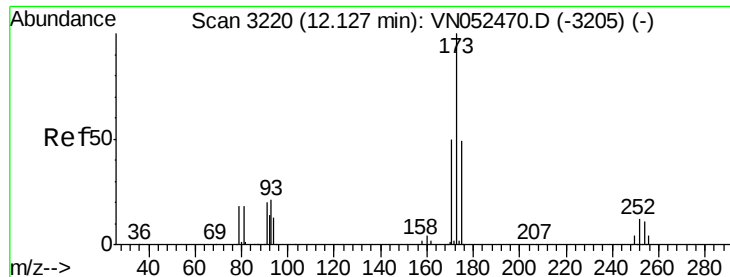
Tot Ion:106 Resp: 333802
Ion Ratio Lower Upper
106 100
91 213.0 107.7 323.1



#70
Styrene
Concen: 0.510 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN052779.D
Acq: 11 Dec 2018 4:04

Tgt Ion:104 Resp: 17549
Ion Ratio Lower Upper
104 100
78 266.0 39.4 59.2#
103 261.3 44.9 67.3#





#71

Bromoform

Concen: 0.601 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

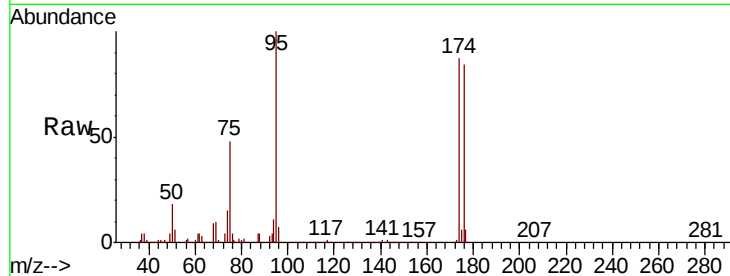
Tot Ion:173 Resp: 4715

Ion Ratio Lower Upper

173 100

175 876.2 24.4 73.2#

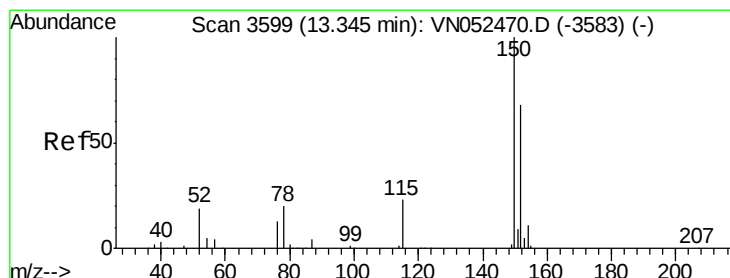
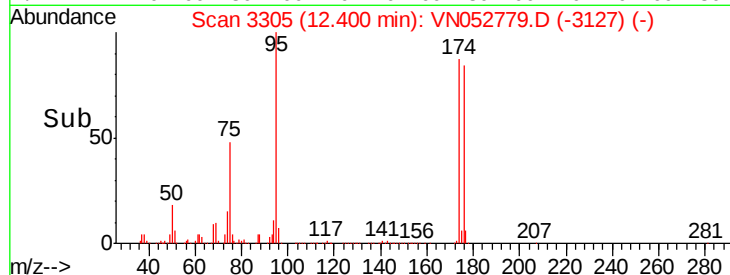
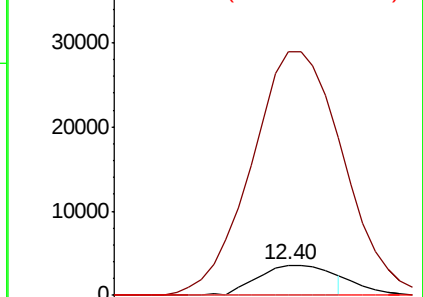
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

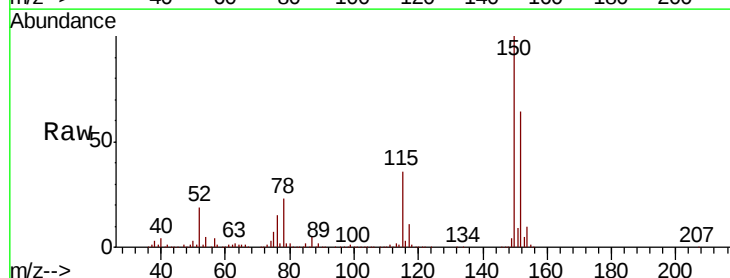
Tgt Ion:152 Resp: 702173

Ion Ratio Lower Upper

152 100

115 58.4 28.4 85.2

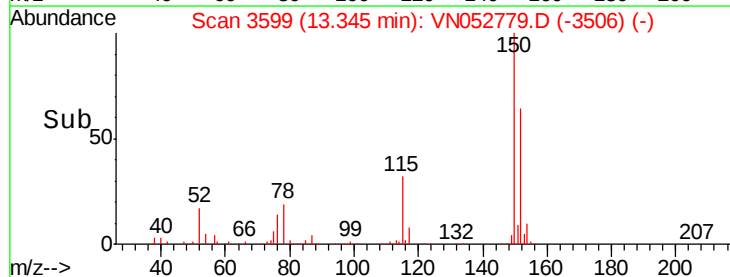
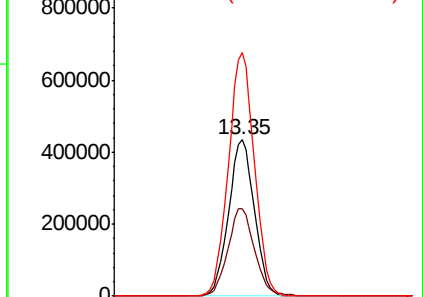
150 156.7 0.0 346.0

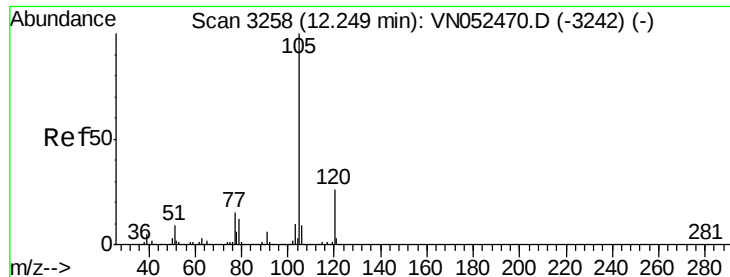


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.844 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

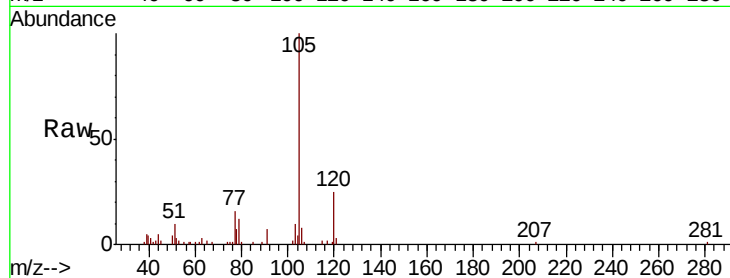
PL-02-120718

Tot Ion: 105 Resp: 46513

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

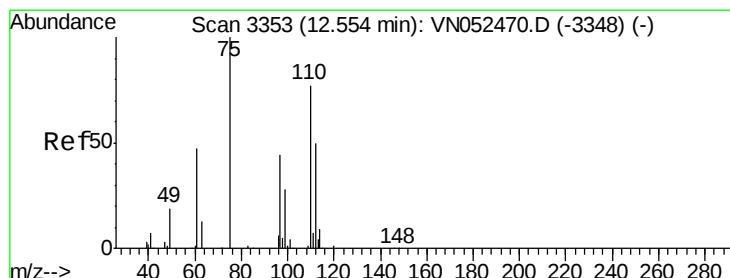
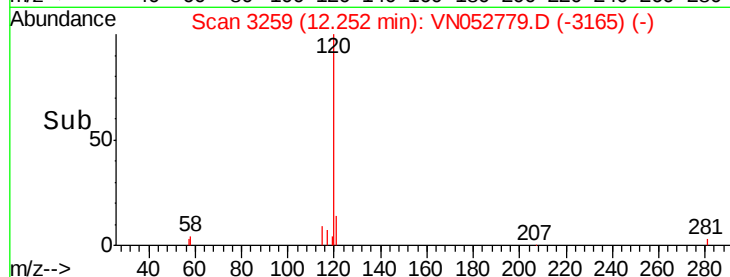
10000

5000

0

12.20 12.25 12.30

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.027 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052779.D

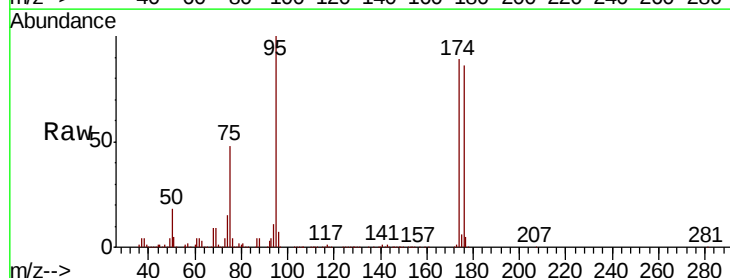
Acq: 11 Dec 2018 4:04

Tgt Ion: 75 Resp: 357608

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

250000

200000

150000

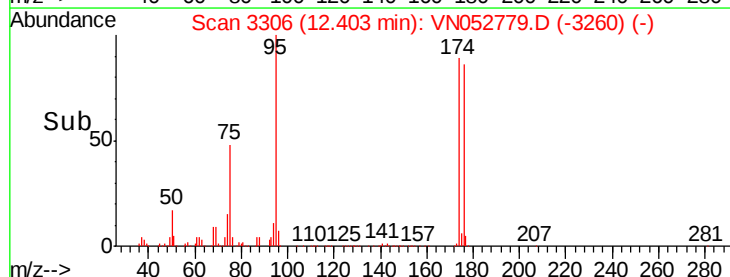
100000

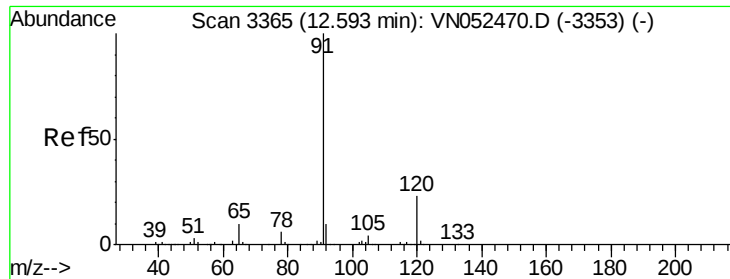
50000

0

12.30 12.40 12.50

Time-->





#78

n-propylbenzene

Concen: 3.510 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

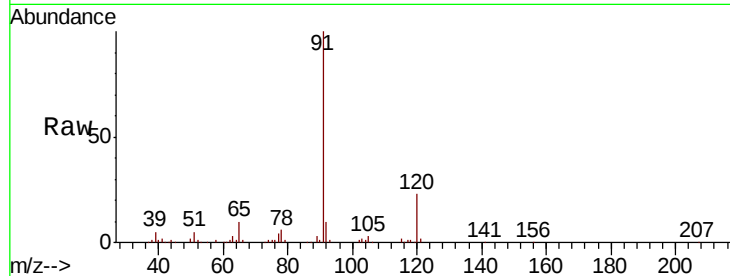
PL-02-120718

Tot Ion: 91 Resp: 219668

Ion Ratio Lower Upper

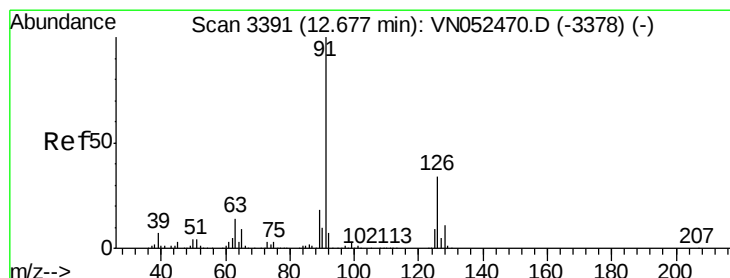
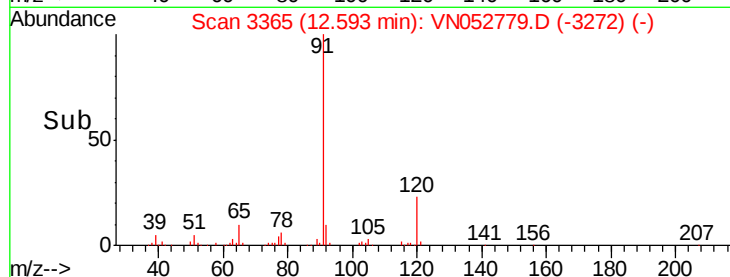
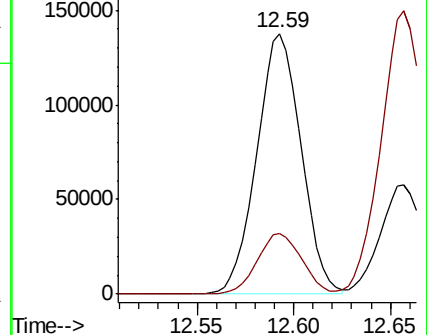
91 100

120 23.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.321 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052779.D

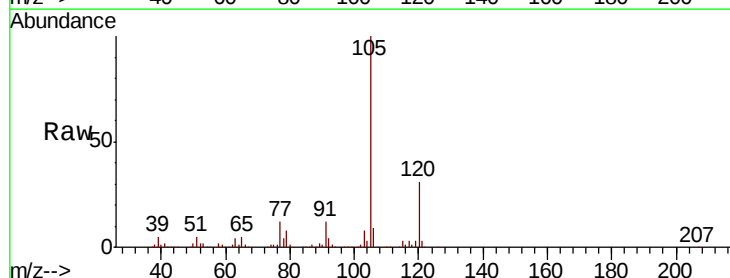
Acq: 11 Dec 2018 4:04

Tgt Ion: 91 Resp: 86512

Ion Ratio Lower Upper

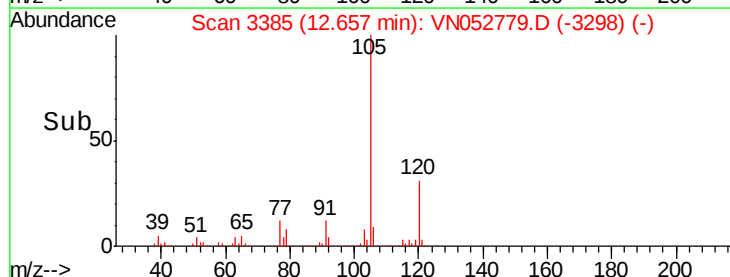
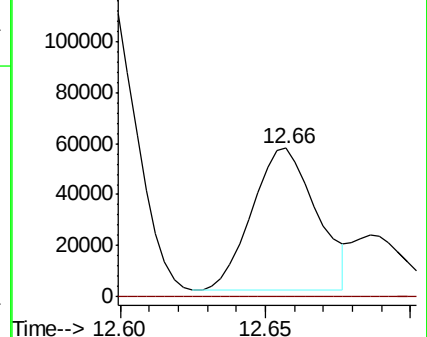
91 100

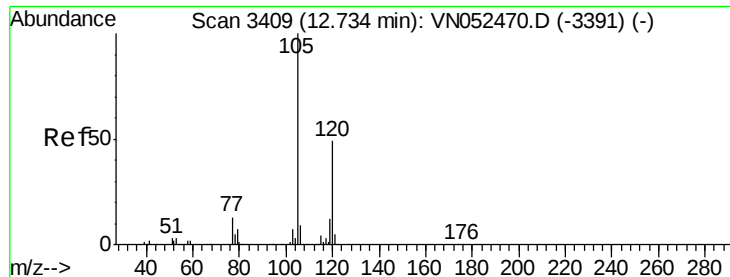
126 0.1 17.2 51.6#



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: 7.799 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

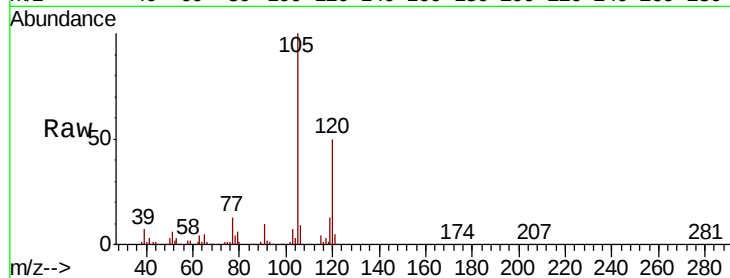
PL-02-120718

Tot Ion:105 Resp: 342663

Ion Ratio Lower Upper

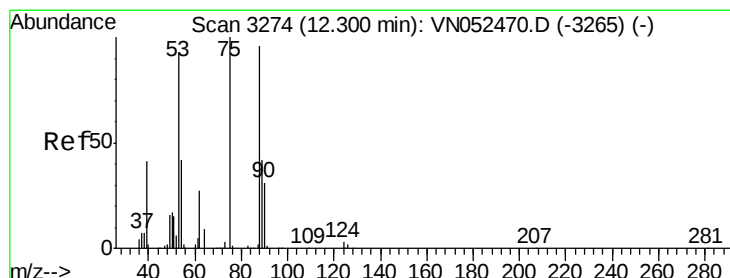
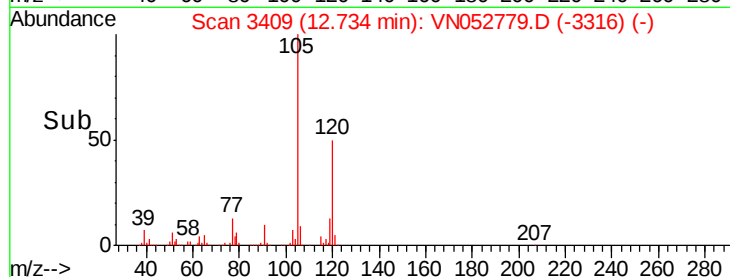
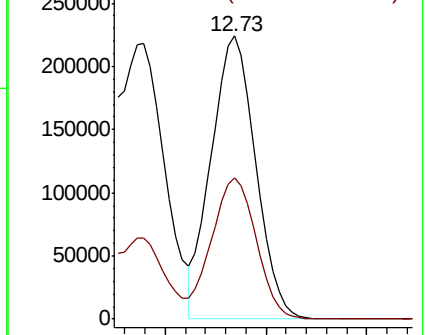
105 100

120 49.9 24.3 73.0



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: 110.293 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

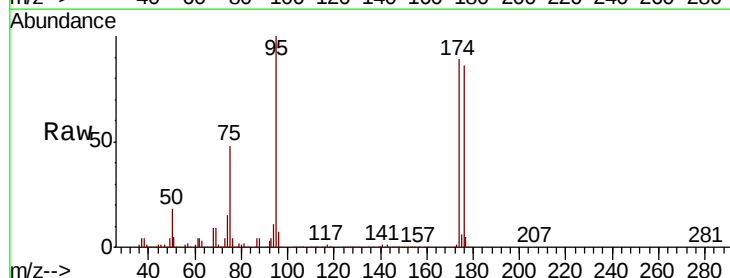
Tgt Ion: 75 Resp: 357608

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

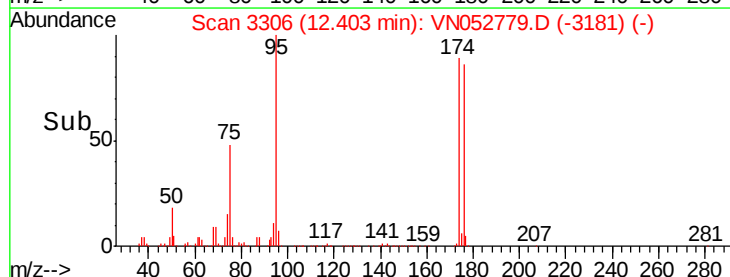
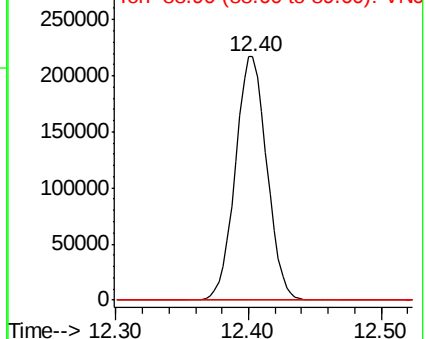
89 0.0 35.4 53.2#

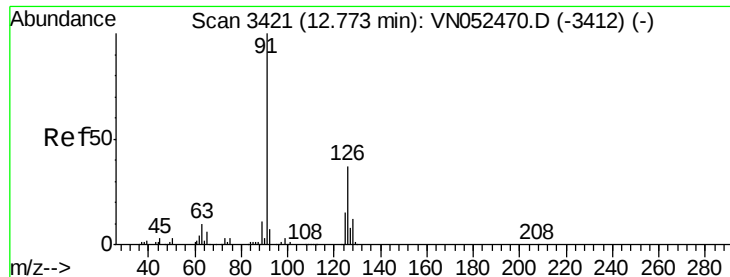


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.938 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

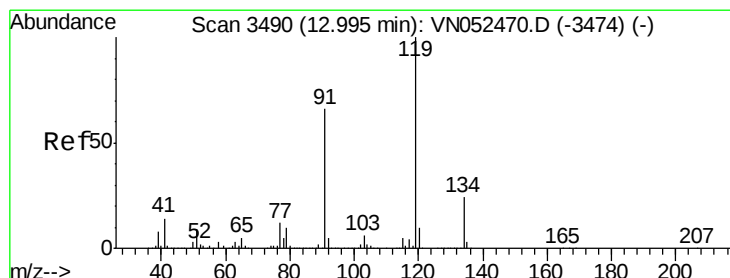
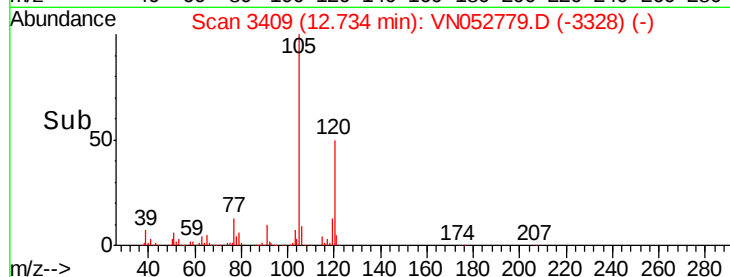
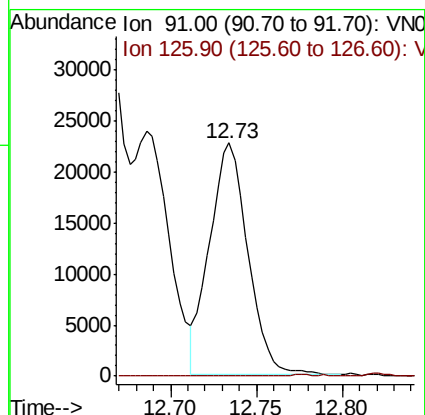
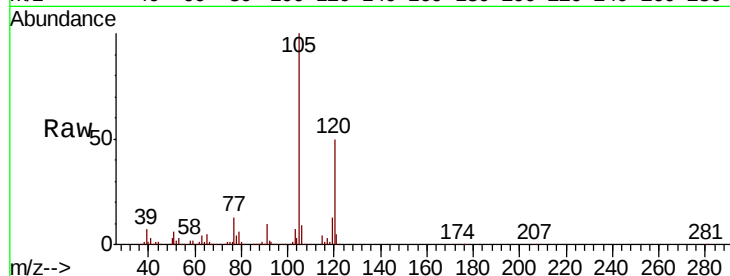
PL-02-120718

Tot Ion: 91 Resp: 35238

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#



#83

tert-Butylbenzene

Concen: 3.976 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

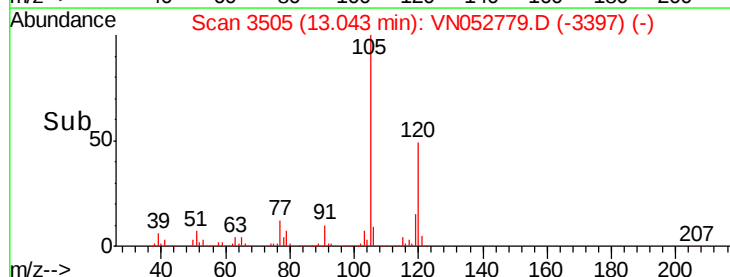
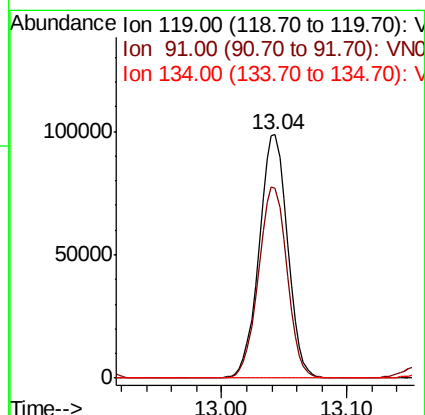
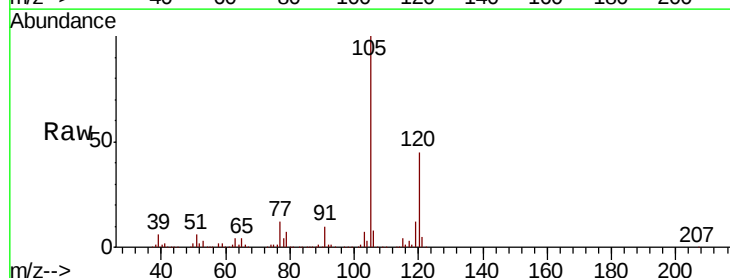
Tgt Ion: 119 Resp: 155754

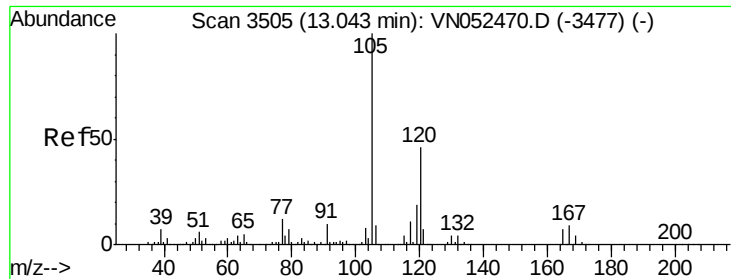
Ion Ratio Lower Upper

119 100

91 78.6 32.3 96.9

134 0.0 13.0 38.9#

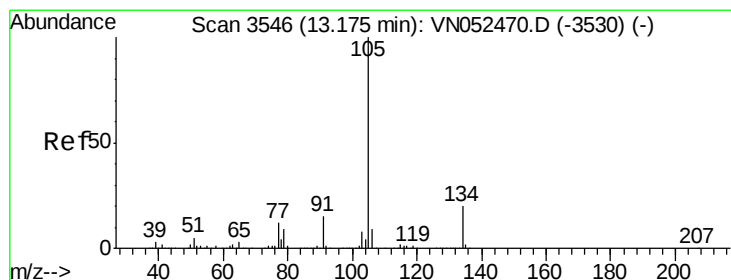
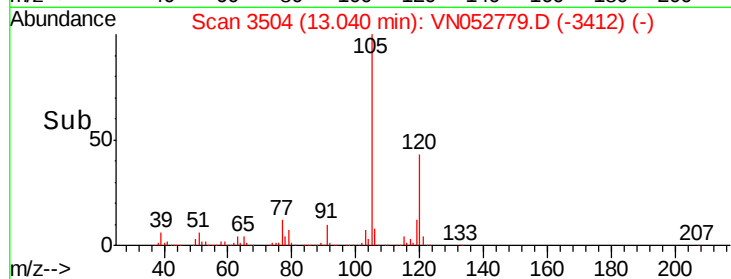
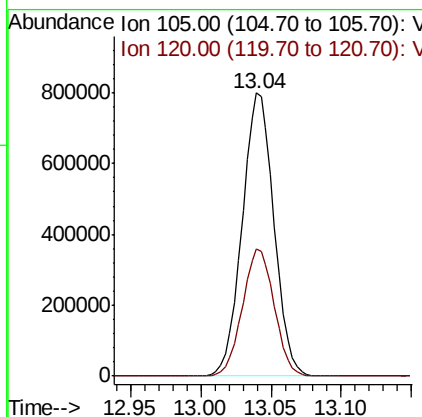
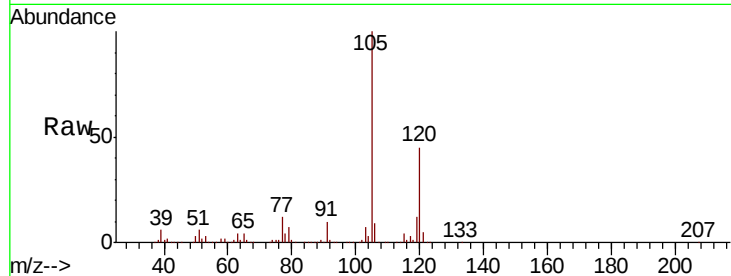




#84
 1,2,4-Trimethylbenzene
 Concen: 28.546 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052779.D
 Acq: 11 Dec 2018 4:04

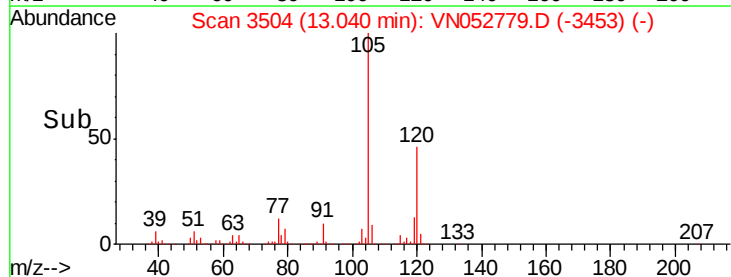
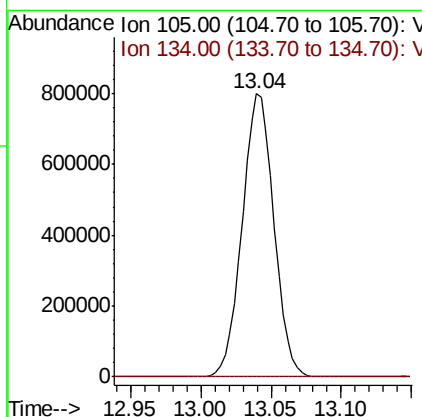
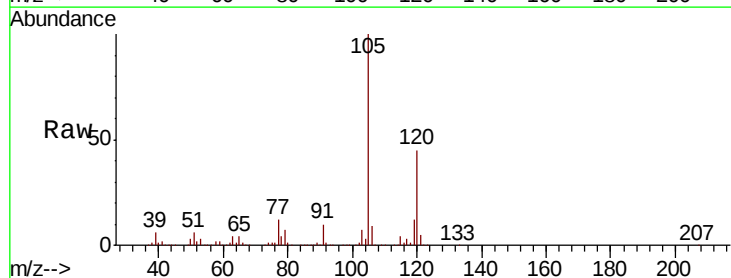
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-120718

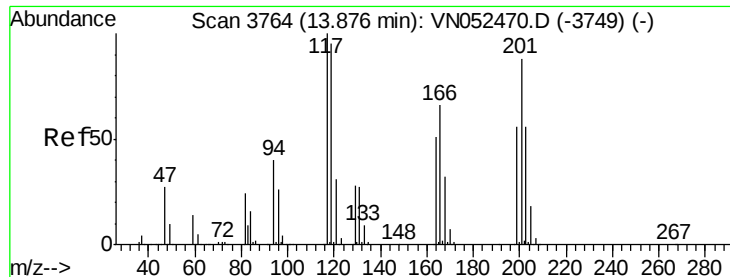
Tot Ion:105 Resp: 1256949
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 23.560 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.14 min
 Lab File: VN052779.D
 Acq: 11 Dec 2018 4:04

Tgt Ion:105 Resp: 1256949
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#





#90

Hexachloroethane

Concen: 1.421 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampled :

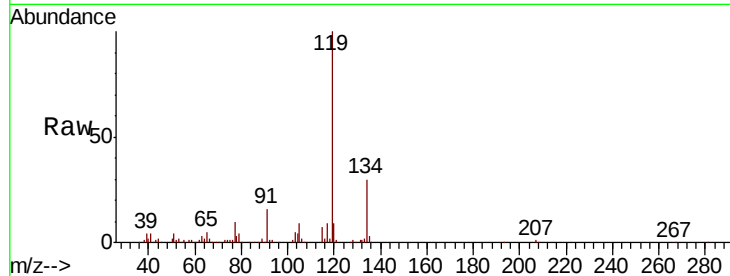
PL-02-120718

Tot Ion:117 Resp: 10935

Ion Ratio Lower Upper

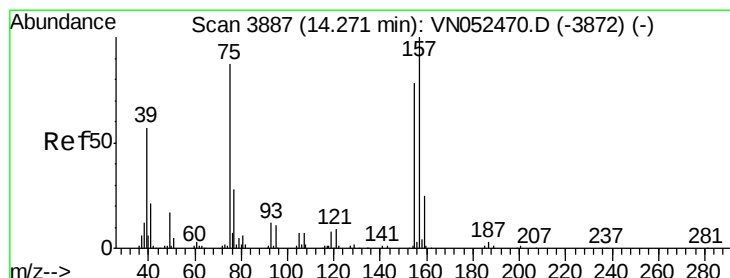
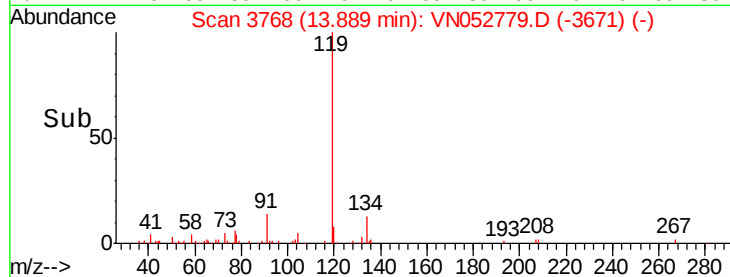
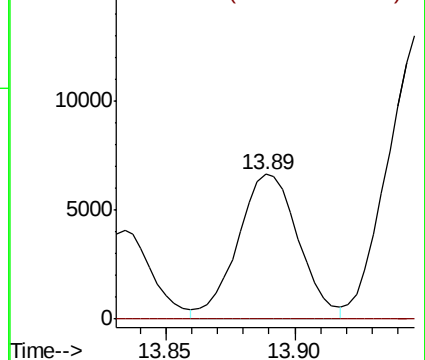
117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.343 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

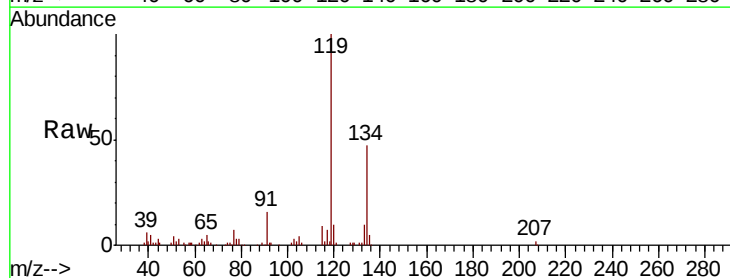
Tgt Ion: 75 Resp: 615

Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

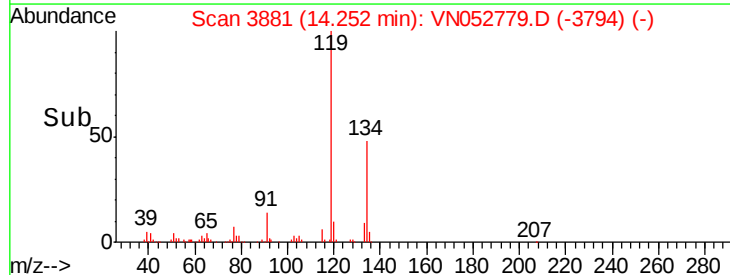
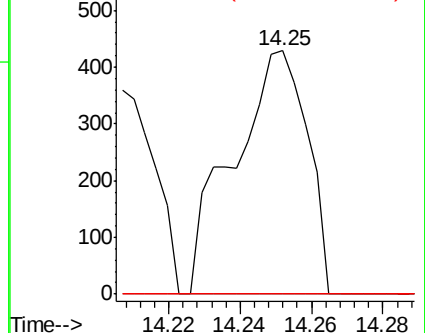
157 0.0 58.1 174.2#

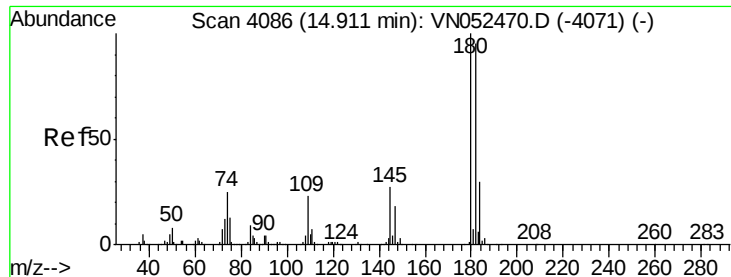


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.912 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

Instrument :

MSVOA_N

ClientSampleId :

PL-02-120718

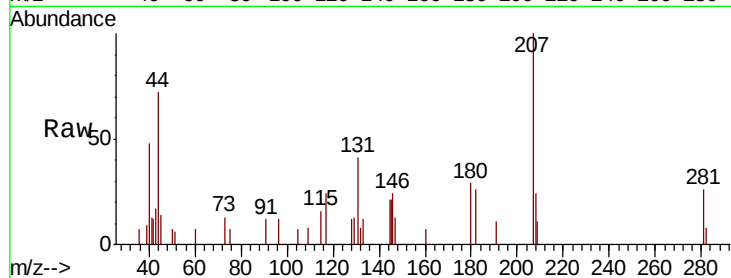
Tot Ion:180 Resp: 1083

Ion Ratio Lower Upper

180 100

182 86.1 47.8 143.4

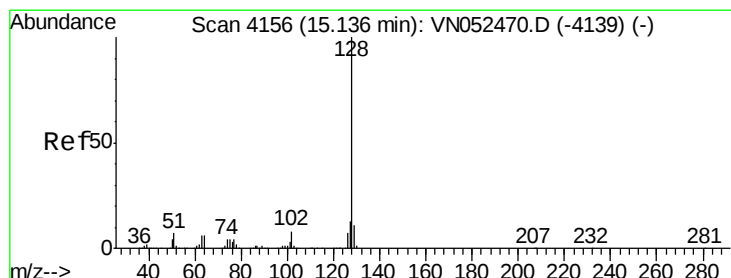
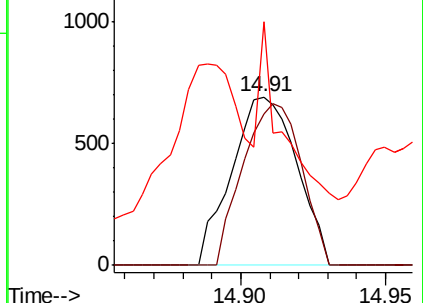
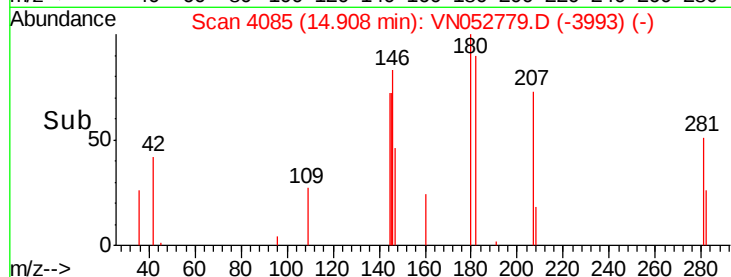
145 76.5 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 9.105 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052779.D

Acq: 11 Dec 2018 4:04

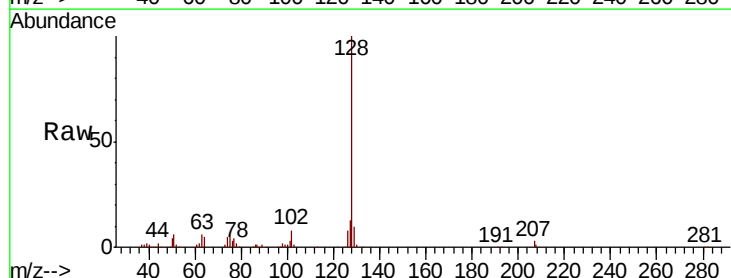
Tgt Ion:128 Resp: 161100

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

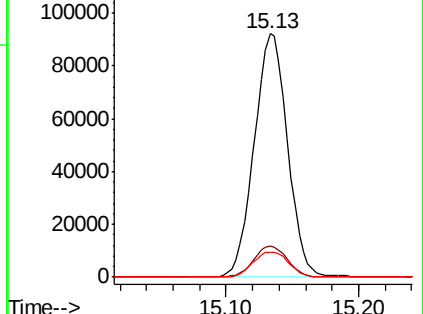
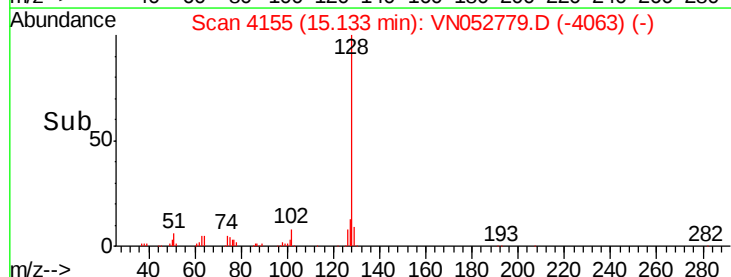
129 11.1 8.7 13.1

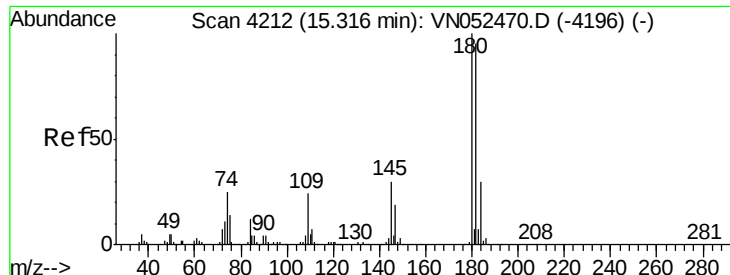


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

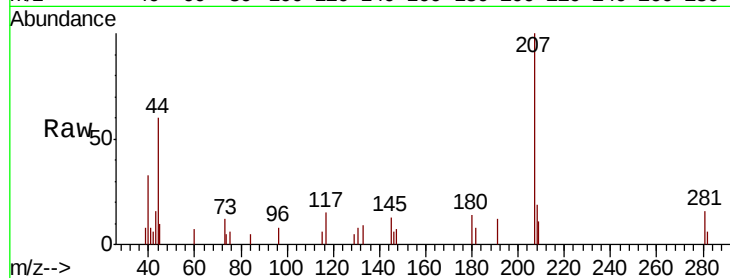




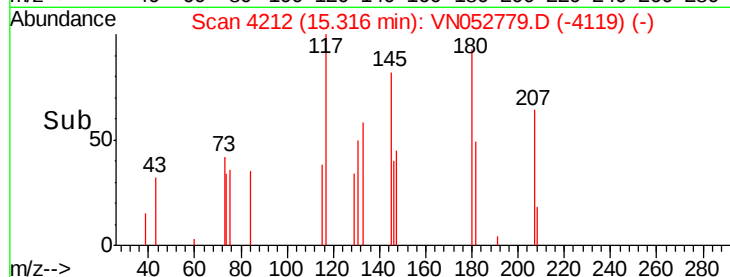
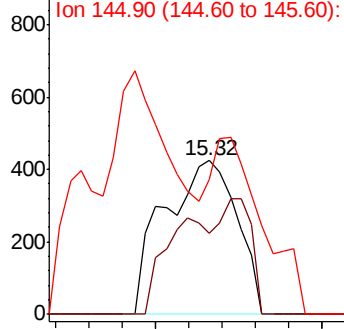
#96
 1,2,3-Trichlorobenzene
 Concen: 2.781 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052779.D
 Acq: 11 Dec 2018 4:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-120718

Tot Ion	Ratio	Lower	Upper
180	100		
182	38.9	47.8	143.3#
145	0.0	15.2	45.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->