

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061470.D
 Acq On : 19 May 2020 9:16
 Operator : JC/MD
 Sample : L2676-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0688

Quant Time: May 19 11:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	276114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	501623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	489598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	191328	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	7.55	113	147711	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
50) Toluene-d8	10.06	98	626379	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.37	95	240171	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	

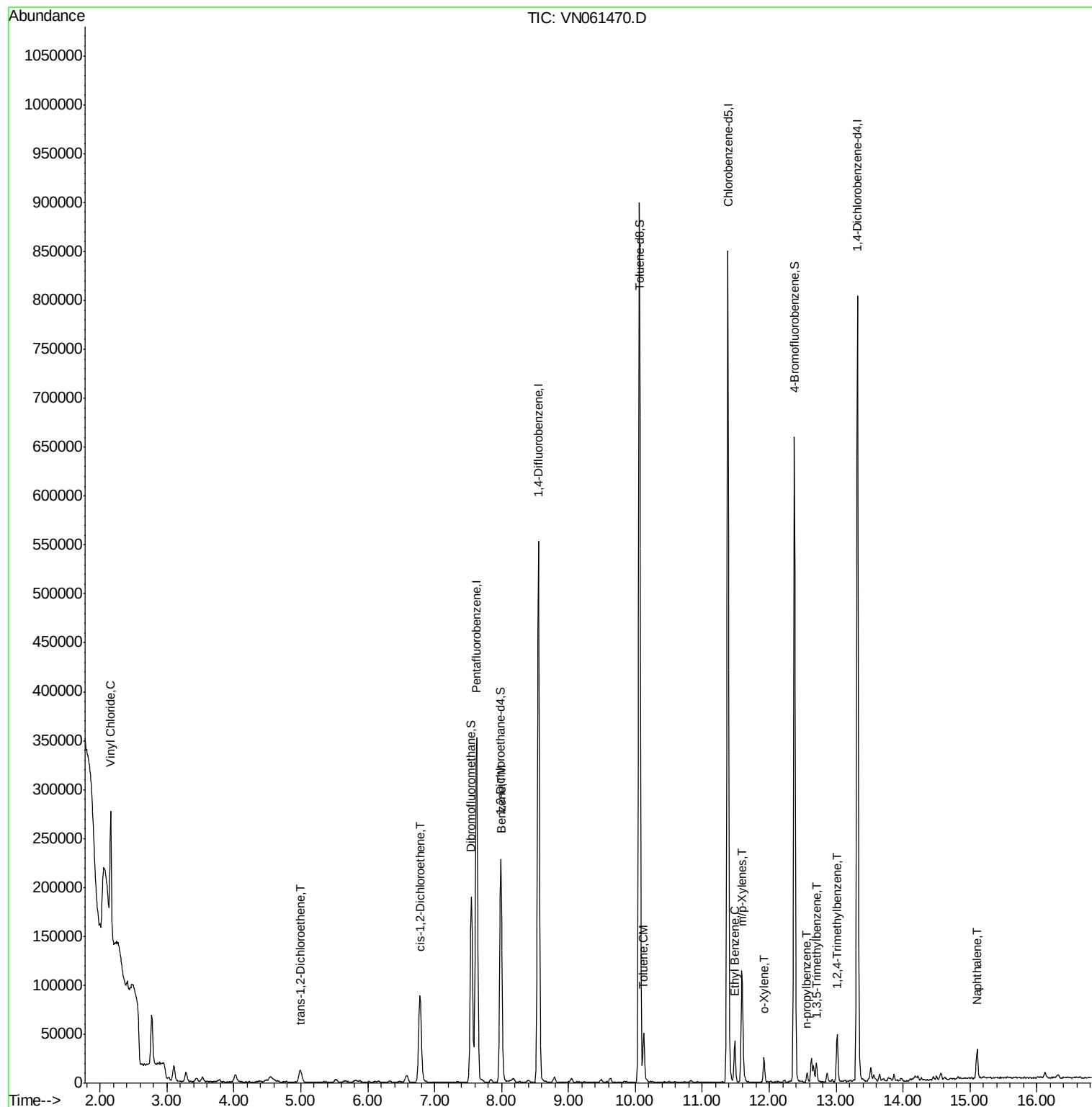
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	87605	16.346	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	6577	2.015	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	59057	15.319	ug/l	84
40) Benzene	8.00	78	12405	0.878	ug/l	98
52) Toluene	10.13	92	21190	2.335	ug/l	99
67) Ethyl Benzene	11.48	91	31582	1.733	ug/l	96
68) m/p-Xylenes	11.59	106	39779	5.750	ug/l	94
69) o-Xylene	11.92	106	6867	1.026	ug/l	89
78) n-propylbenzene	12.57	91	8385	0.434	ug/l	95
80) 1,3,5-Trimethylbenzene	12.71	105	7224	0.520	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	29153	2.097	ug/l	98
95) Naphthalene	15.10	128	27394	2.459	ug/l	98

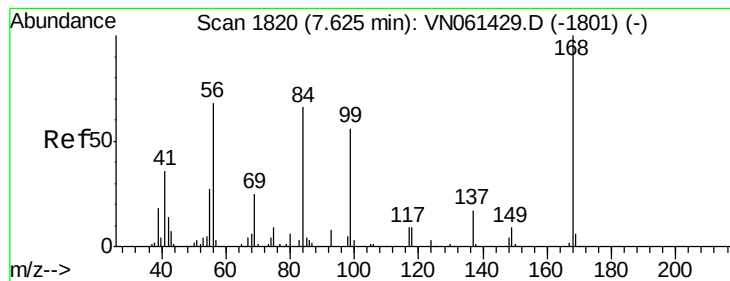
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061470.D

Acq: 19 May 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

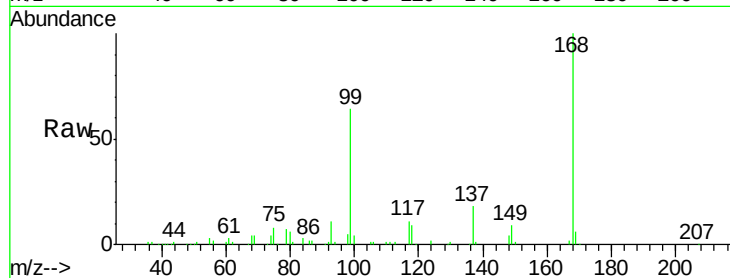
S32-0688

Tot Ion:168 Resp: 276114

Ion Ratio Lower Upper

168 100

99 64.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

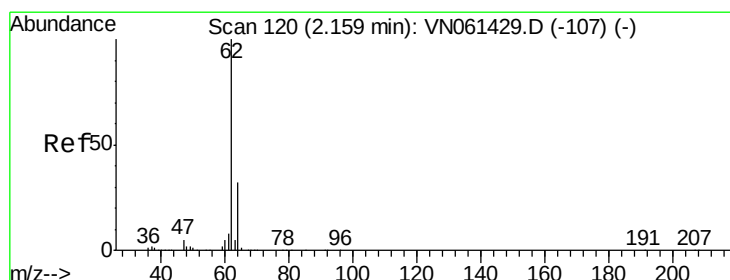
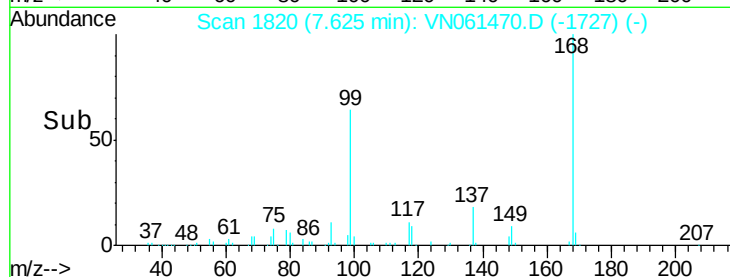
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 16.346 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061470.D

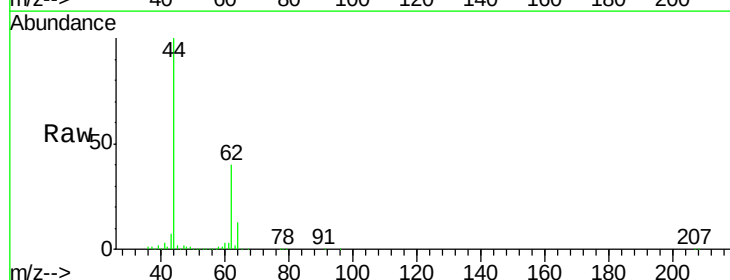
Acq: 19 May 2020 9:16

Tgt Ion: 62 Resp: 87605

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

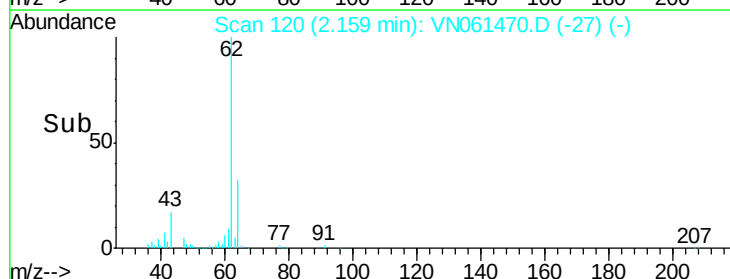
60000

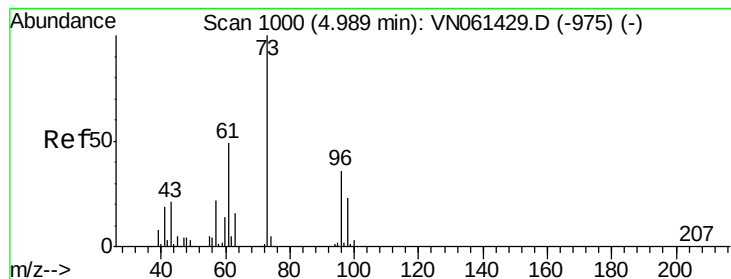
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#21

trans-1,2-Dichloroethene

Concen: 2.015 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061470.D

Acq: 19 May 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

S32-0688

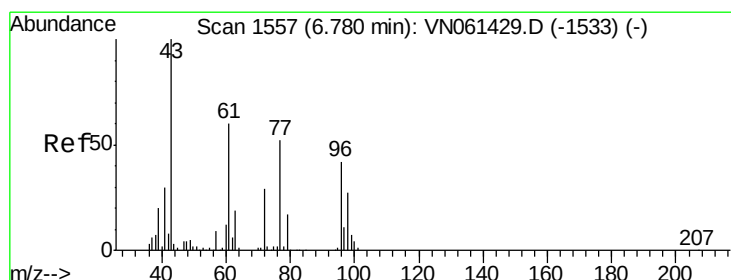
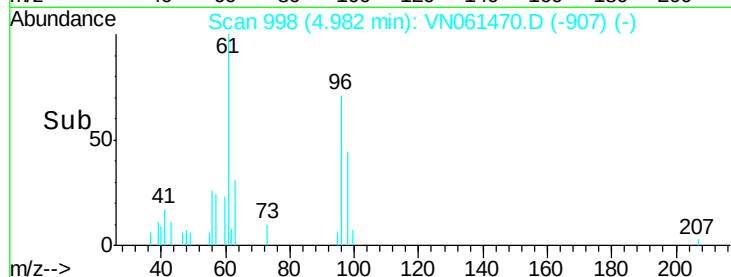
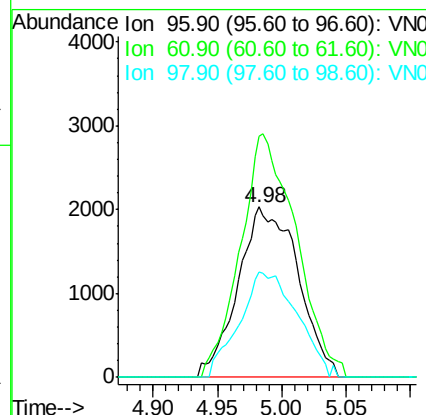
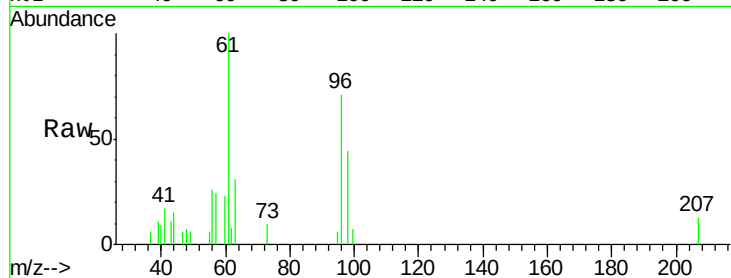
Tot Ion: 96 Resp: 6577

Ion Ratio Lower Upper

96 100

61 141.3 109.8 164.6

98 61.9 52.4 78.6



#27

cis-1,2-Dichloroethene

Concen: 15.319 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061470.D

Acq: 19 May 2020 9:16

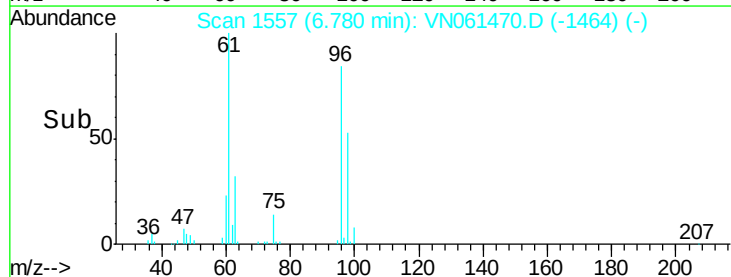
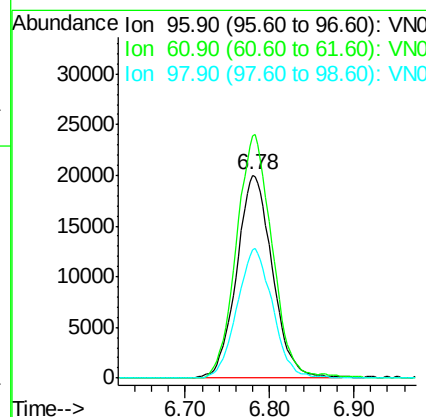
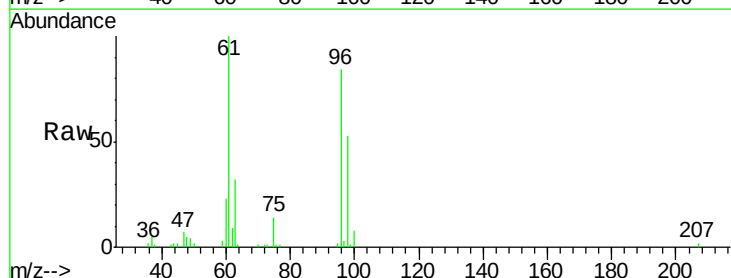
Tgt Ion: 96 Resp: 59057

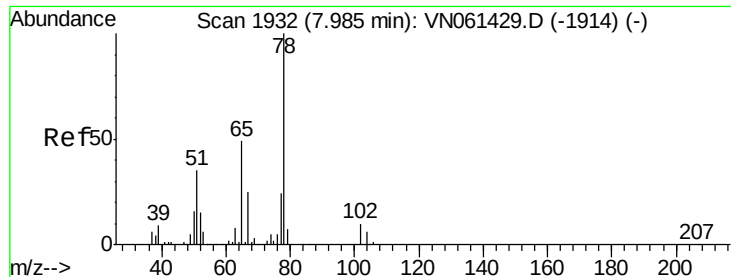
Ion Ratio Lower Upper

96 100

61 119.0 0.0 294.2

98 63.2 0.0 128.2

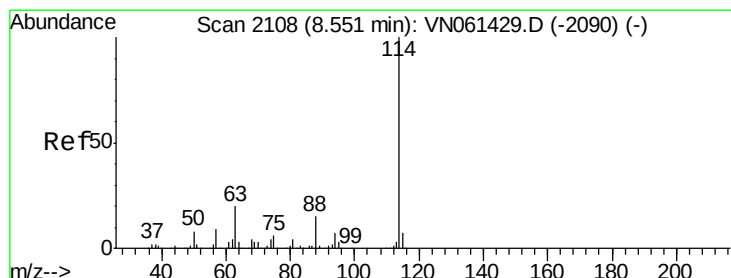
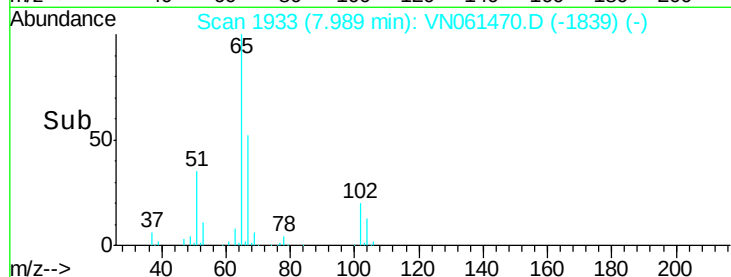
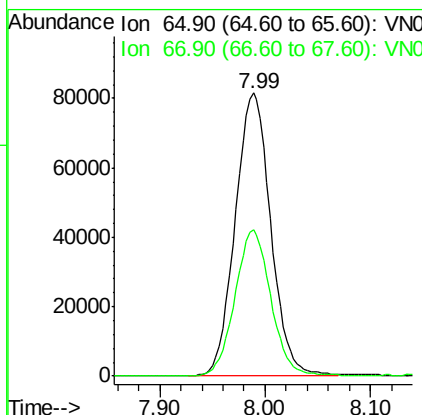
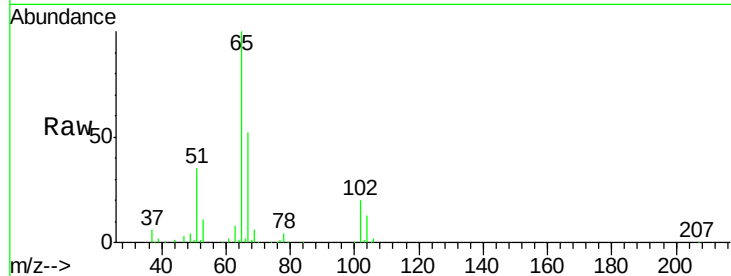




#33
 1,2-Dichloroethane-d4
 Concen: 46.429 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

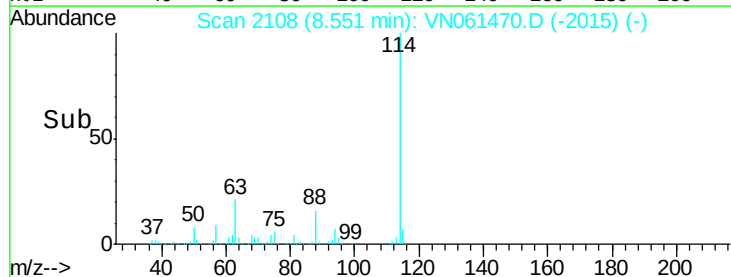
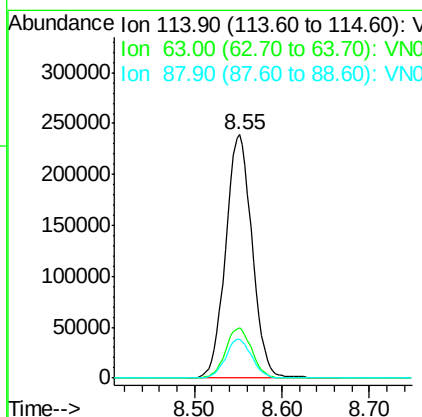
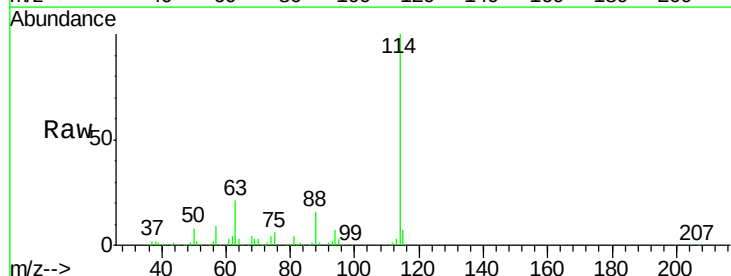
Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0688

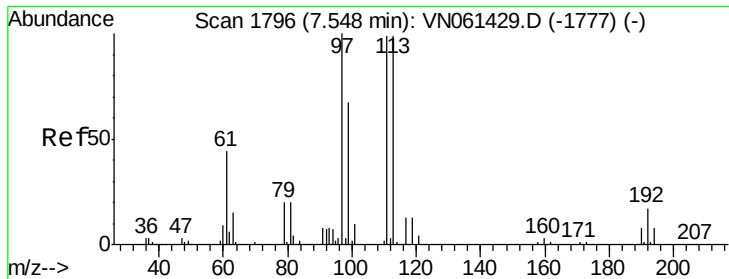
Tot Ion: 65 Resp: 191328
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

Tgt Ion: 114 Resp: 501623
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.7 0.0 30.8

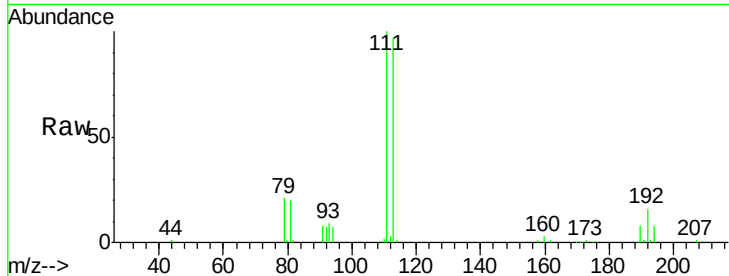




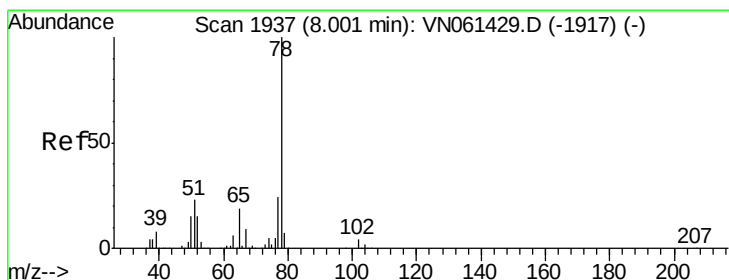
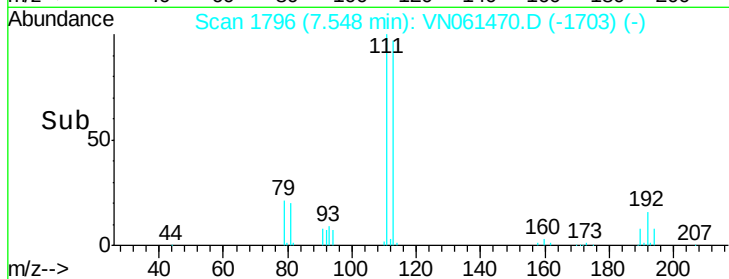
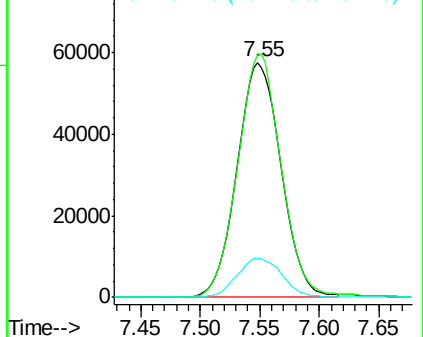
#35
Dibromofluoromethane
Concen: 56.210 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

Instrument :
MSVOA_N
ClientSampleId :
S32-0688

Tot Ion:113 Resp: 147711
Ion Ratio Lower Upper
113 100
111 102.9 80.6 121.0
192 17.1 13.2 19.8

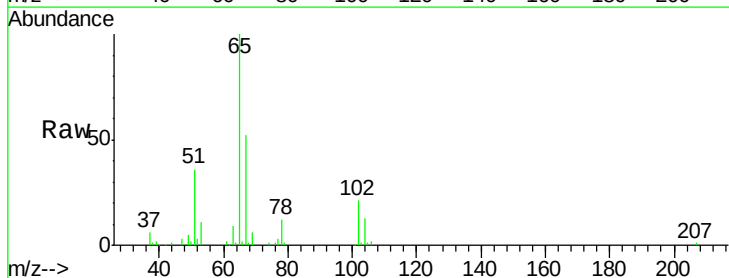


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

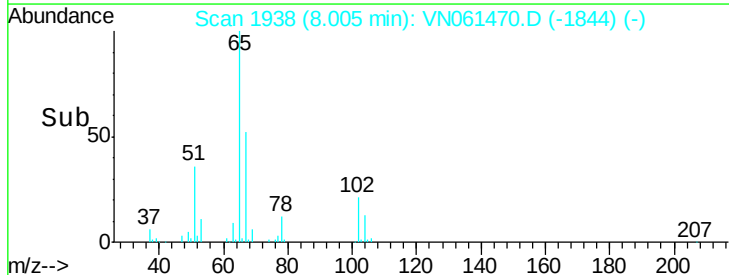
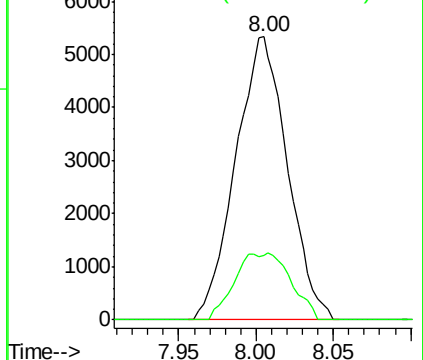


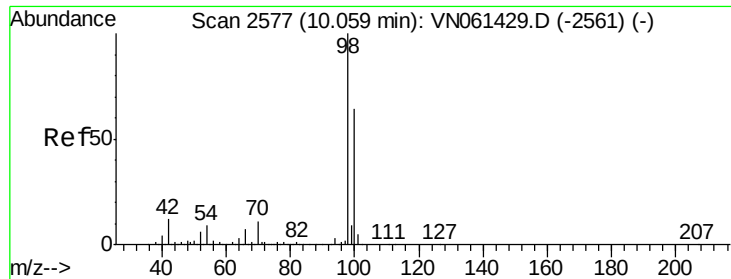
#40
Benzene
Concen: 0.878 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

Tgt Ion: 78 Resp: 12405
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 51.390 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061470.D

Acq: 19 May 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

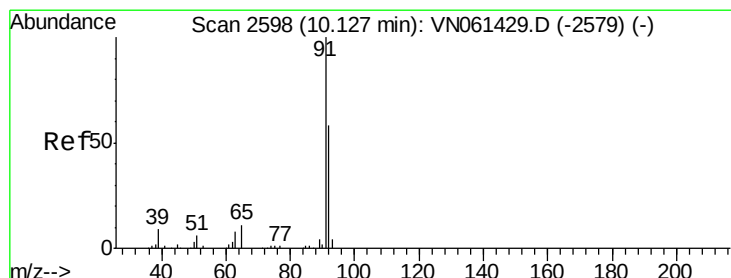
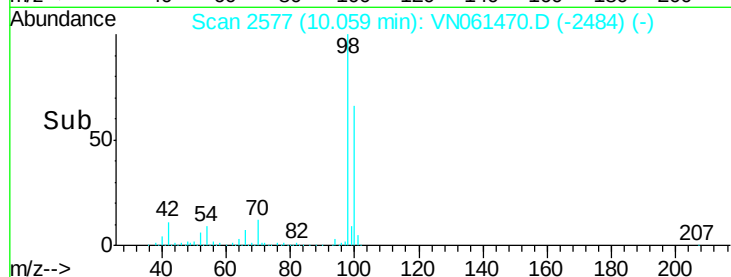
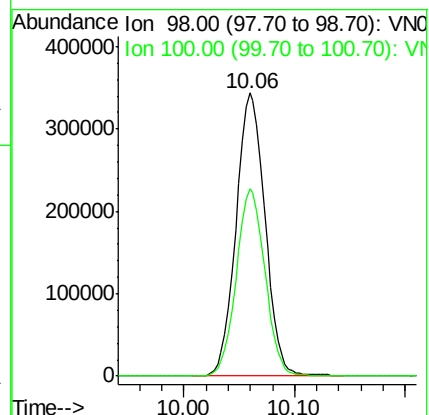
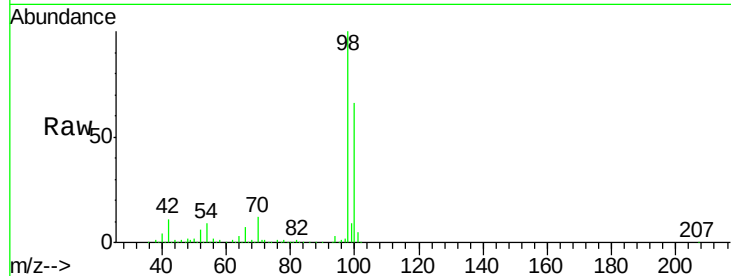
S32-0688

Tot Ion: 98 Resp: 626379

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.8



#52

Toluene

Concen: 2.335 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061470.D

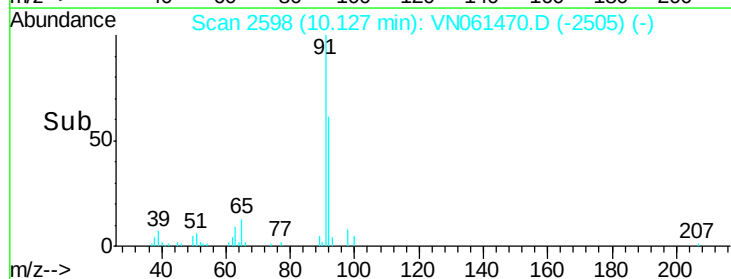
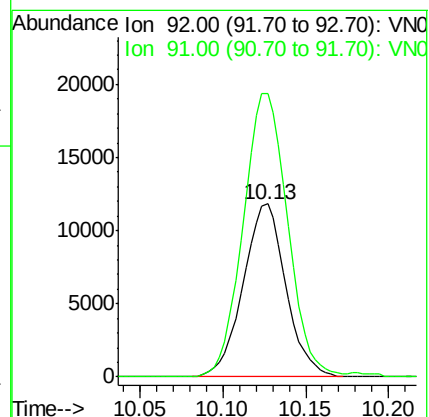
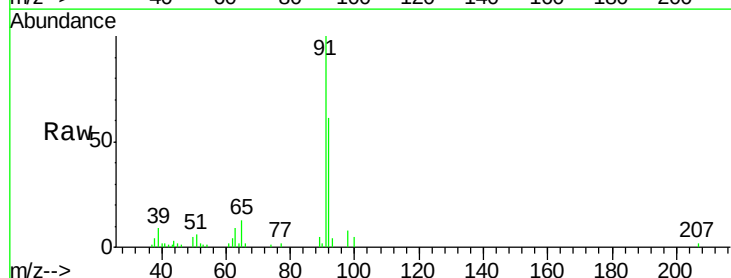
Acq: 19 May 2020 9:16

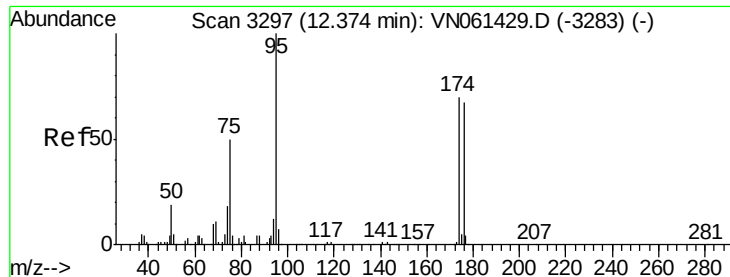
Tgt Ion: 92 Resp: 21190

Ion Ratio Lower Upper

92 100

91 170.6 138.0 207.0

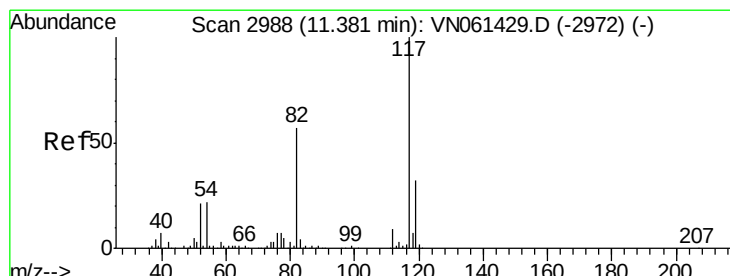
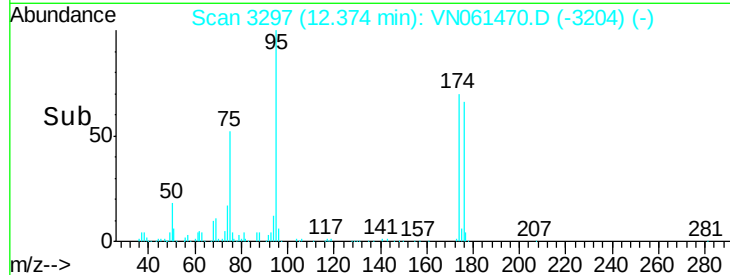
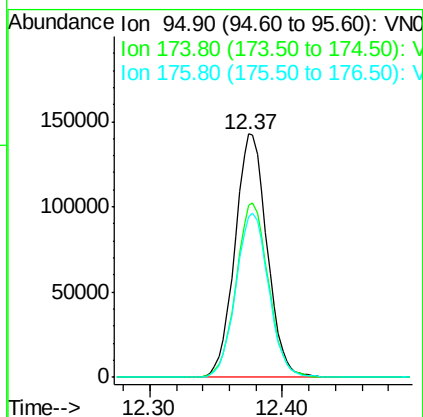
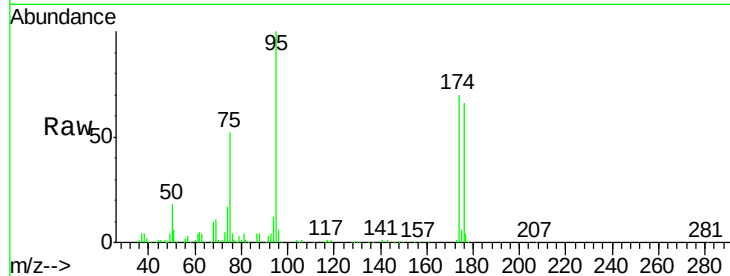




#62
 4-Bromofluorobenzene
 Concen: 52.741 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

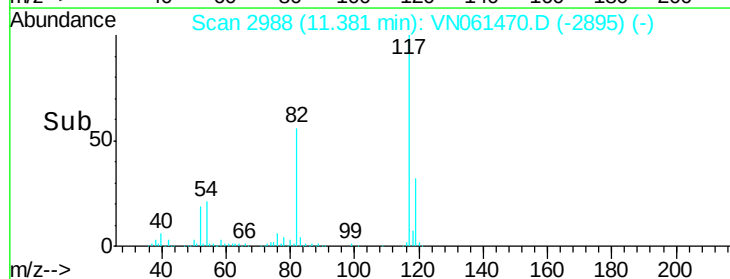
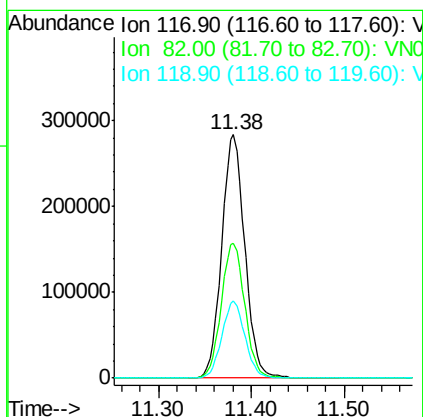
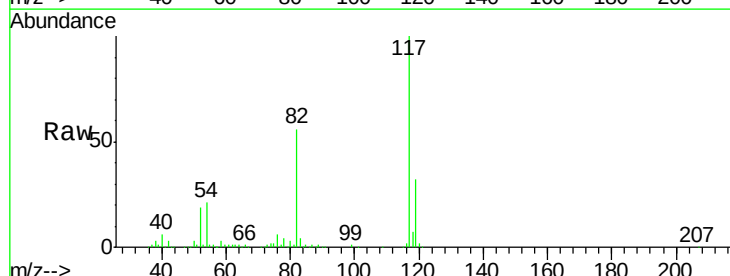
Instrument :
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 S32-0688

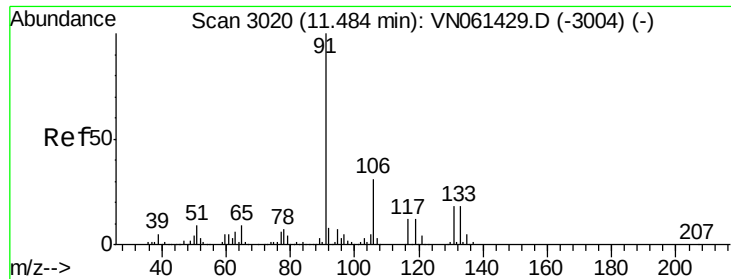
Tot Ion	95	Resp	240171
Ion Ratio	100		
174	72.3	0.0	141.2
176	68.9	0.0	137.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

Tgt Ion	117	Resp	489598
Ion Ratio	100		
82	55.5	45.2	67.8
119	31.6	25.3	37.9

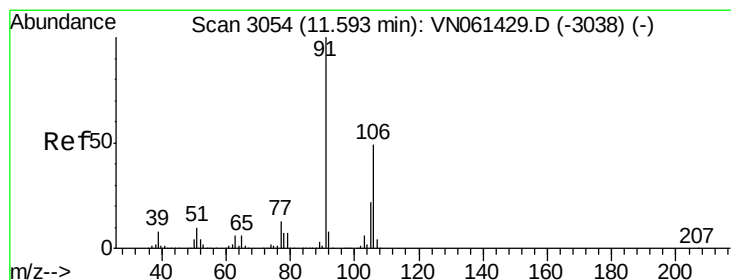
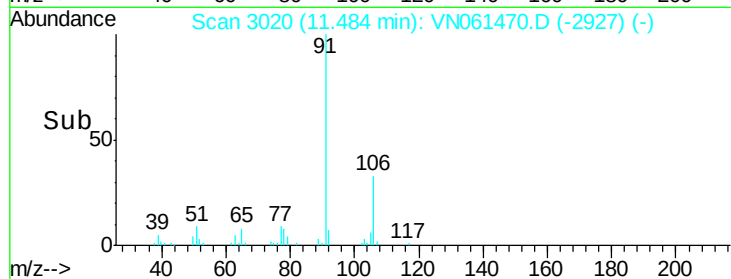
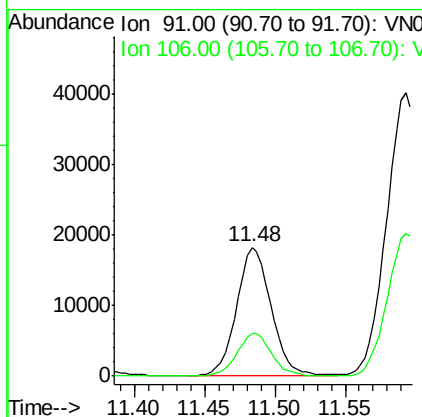
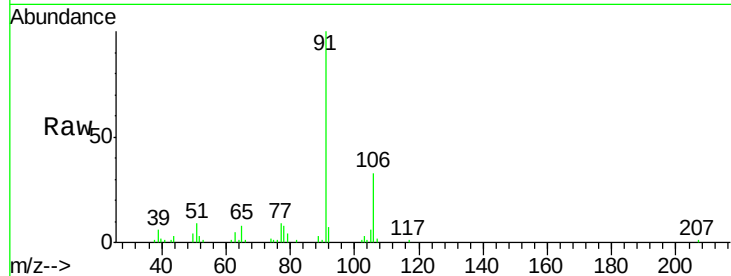




#67
Ethyl Benzene
Concen: 1.733 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

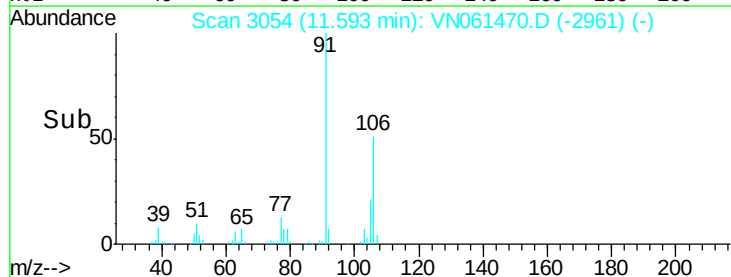
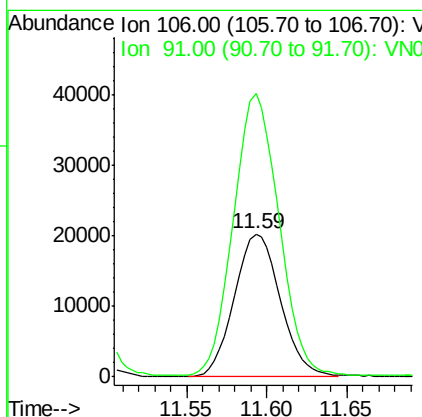
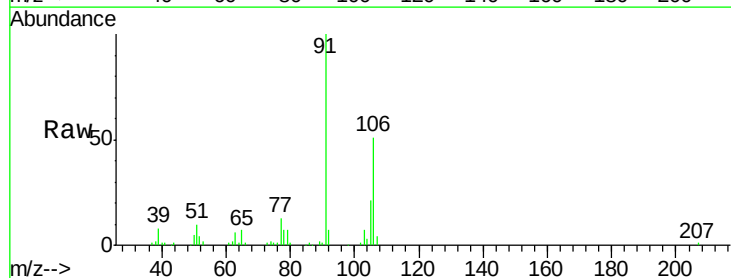
Instrument :
MSVOA_N
ClientSampled :
S32-0688

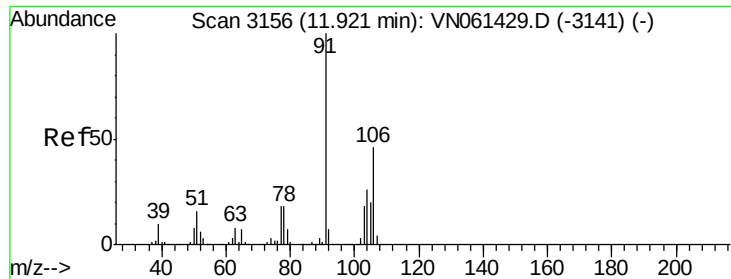
Tot Ion: 91 Resp: 31582
Ion Ratio Lower Upper
91 100
106 32.9 24.6 36.8



#68
m/p-Xylenes
Concen: 5.750 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

Tgt Ion: 106 Resp: 39779
Ion Ratio Lower Upper
106 100
91 194.8 163.0 244.6

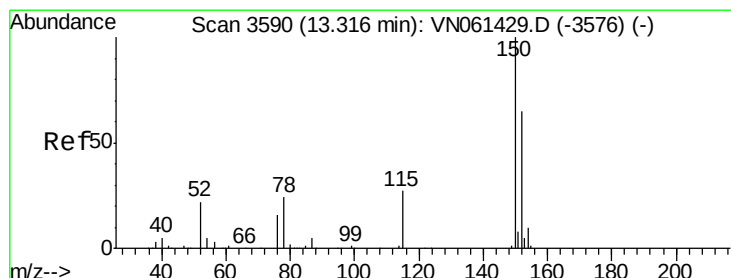
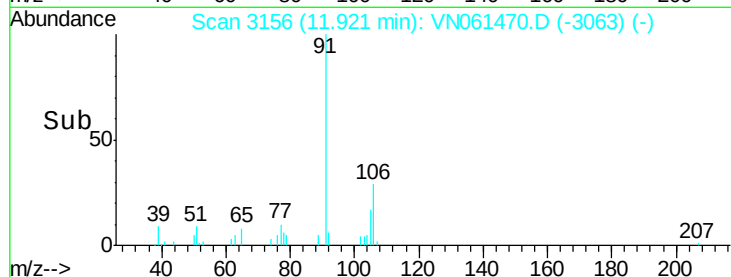
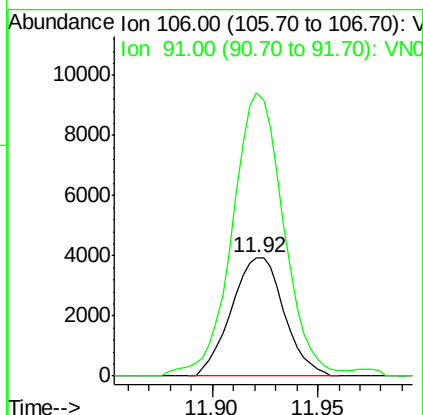
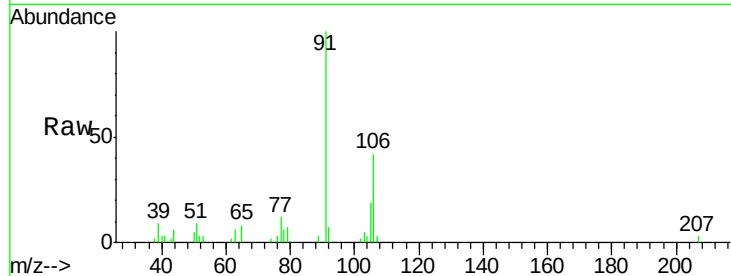




#69
o-Xylene
Concen: 1.026 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

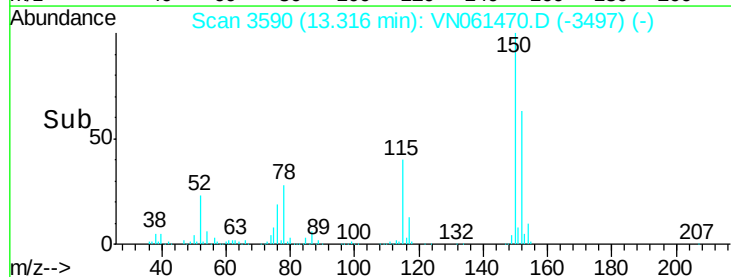
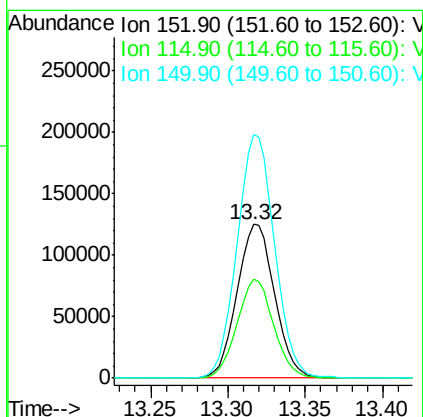
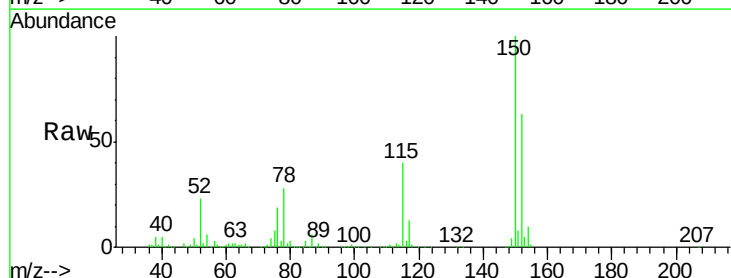
Instrument :
MSVOA_N
ClientSampled :
S32-0688

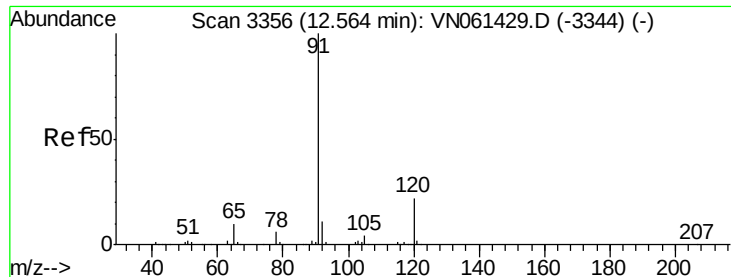
Tot Ion:106 Resp: 6867
Ion Ratio Lower Upper
106 100
91 233.2 107.9 323.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061470.D
Acq: 19 May 2020 9:16

Tgt Ion:152 Resp: 211286
Ion Ratio Lower Upper
152 100
115 62.8 30.9 92.5
150 158.5 0.0 349.2





#78

n-propylbenzene

Concen: 0.434 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061470.D

Acq: 19 May 2020 9:16

Instrument :

MSVOA_N

ClientSampled :

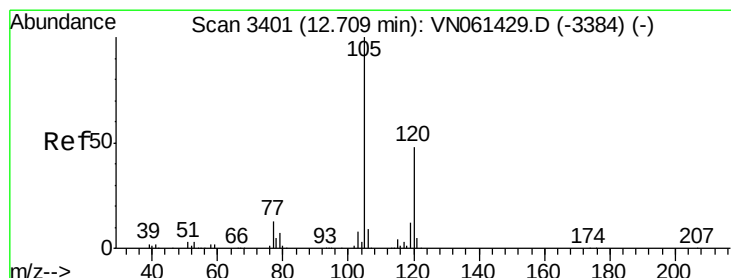
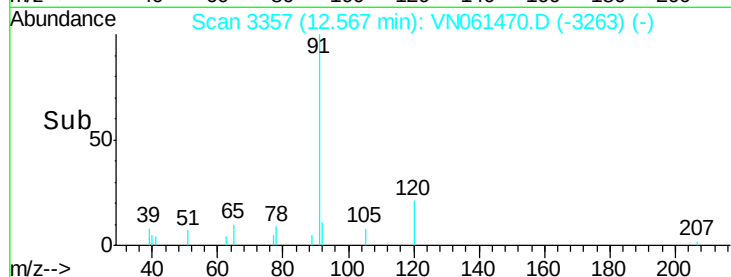
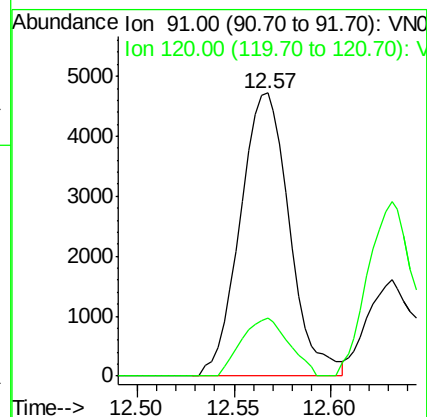
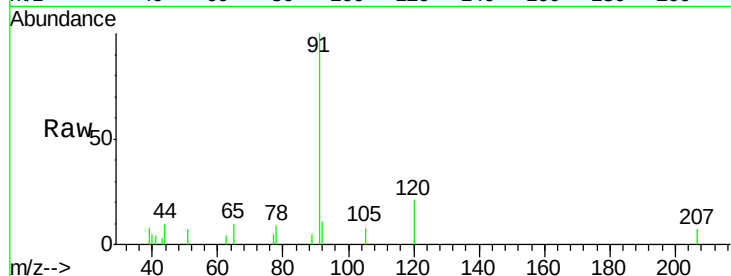
S32-0688

Tot Ion: 91 Resp: 8385

Ion Ratio Lower Upper

91 100

120 19.8 11.2 33.6



#80

1,3,5-Trimethylbenzene

Concen: 0.520 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061470.D

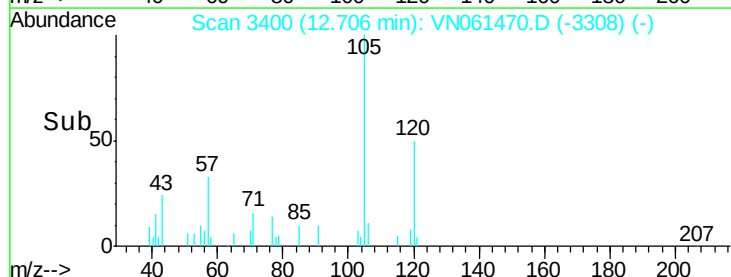
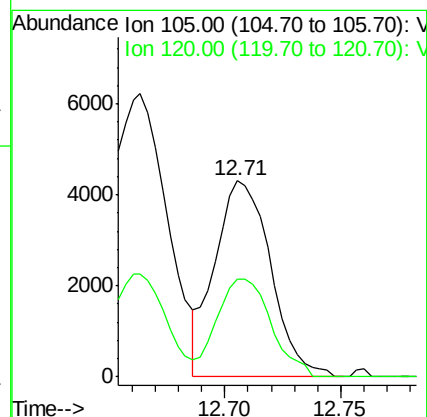
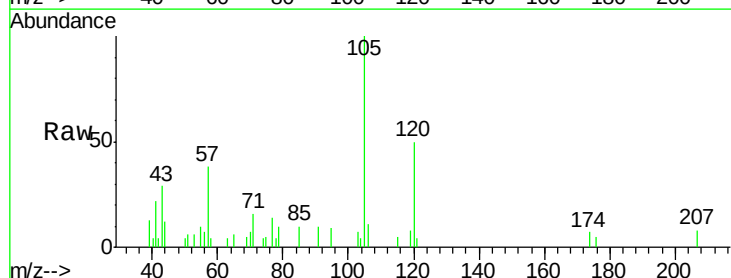
Acq: 19 May 2020 9:16

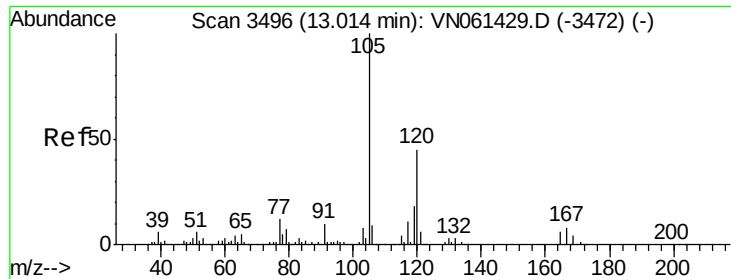
Tgt Ion: 105 Resp: 7224

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4

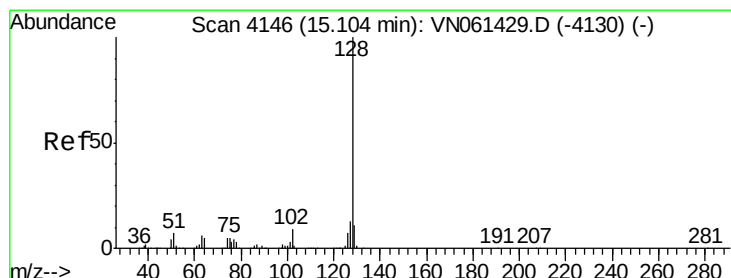
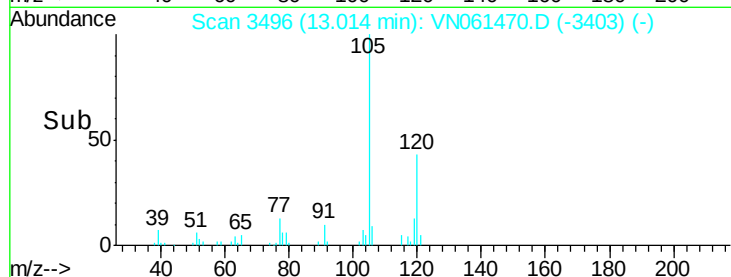
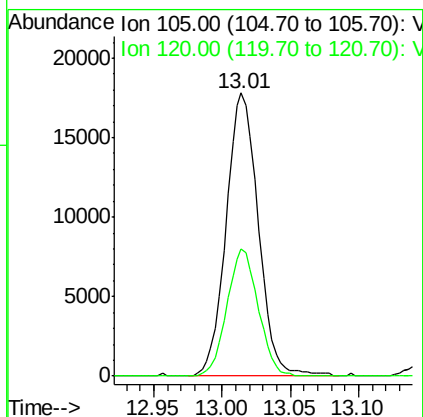
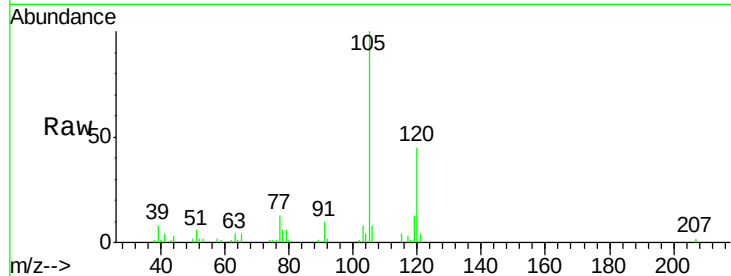




#84
 1,2,4-Trimethylbenzene
 Concen: 2.097 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 S32-0688

Tot Ion:105 Resp: 29153
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.3



#95
 Naphthalene
 Concen: 2.459 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN061470.D
 Acq: 19 May 2020 9:16

Tgt Ion:128 Resp: 27394
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.1 15.1
 129 11.0 8.6 13.0

