

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067912.D
 Acq On : 08 Dec 2020 15:06
 Operator : VA/SY
 Sample : L4972-01
 Misc : 6.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-120820

Quant Time: Dec 09 04:49:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	237809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	326439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	261526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113505	44.46	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.92%
35) Dibromofluoromethane	7.92	113	96727	44.28	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.56%
50) Toluene-d8	10.34	98	359309	45.69	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.38%
62) 4-Bromofluorobenzene	12.64	95	104653	38.50	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.00%

Target Compounds

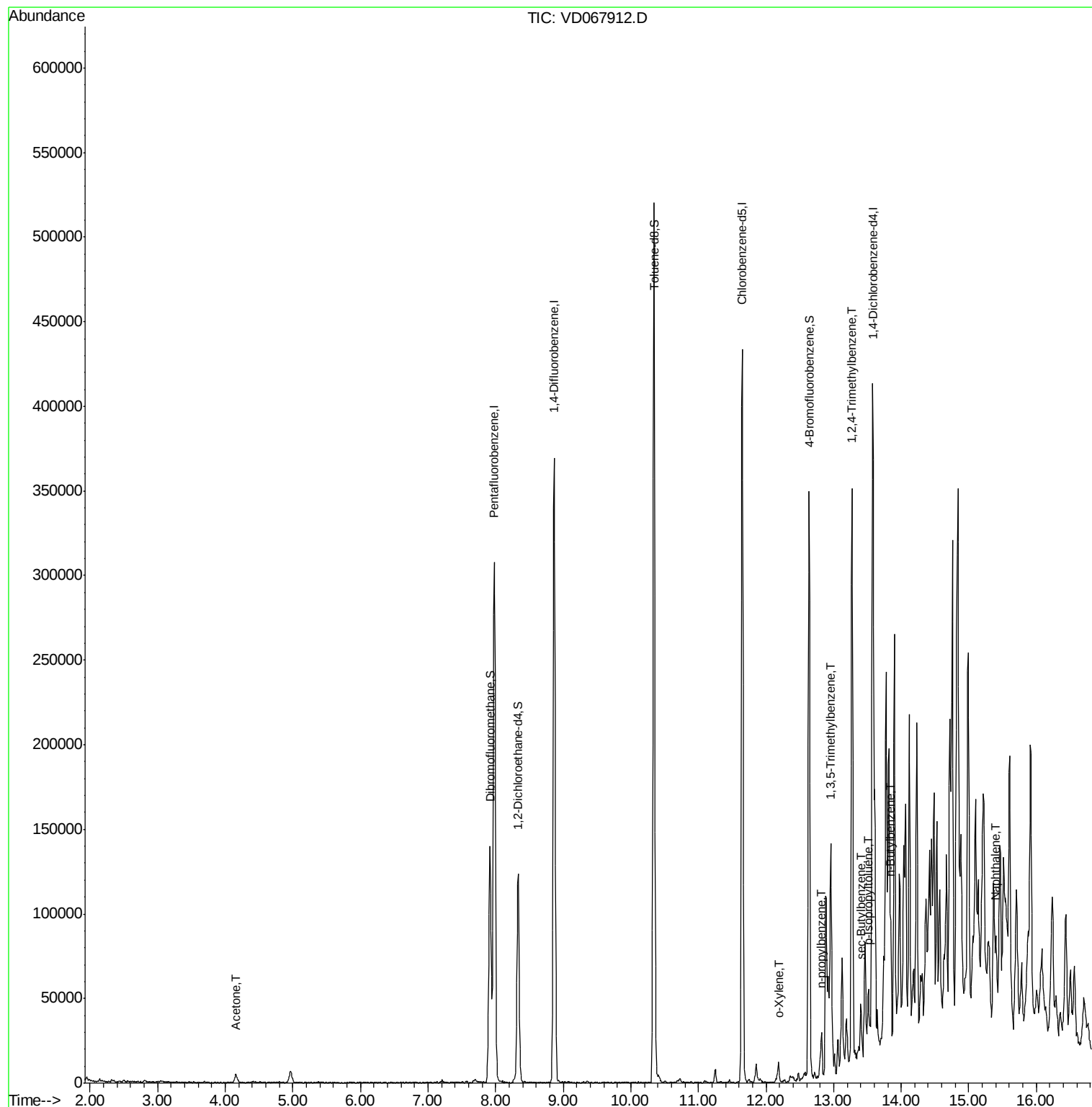
					Qvalue	
16) Acetone	4.16	43	8761	27.771	ug/l	97
69) o-Xylene	12.18	106	3658	1.137	ug/l	73
78) n-propylbenzene	12.83	91	18754	2.369	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	40784	6.595	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	186858	30.387	ug/l	96
85) sec-Butylbenzene	13.41	105	17915	2.551	ug/l	89
86) p-Isopropyltoluene	13.52	119	13226	1.921	ug/l	94
89) n-Butylbenzene	13.85	91	33137	5.794	ug/l #	76
95) Naphthalene	15.41	128	19632	5.806	ug/l #	89

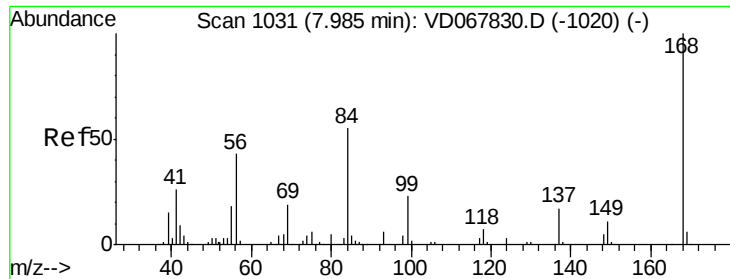
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-01-120820

Quant Time: Dec 09 04:49:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067912.D

Acq: 08 Dec 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

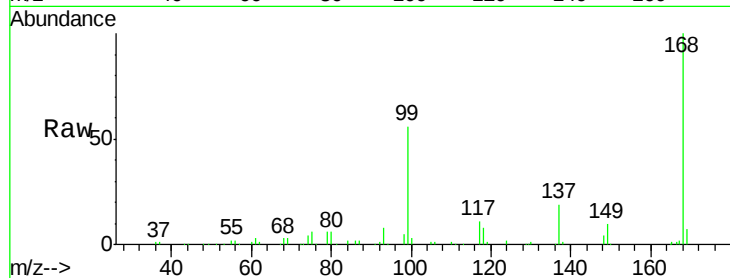
SU-01-120820

Tot Ion:168 Resp: 237809

Ion Ratio Lower Upper

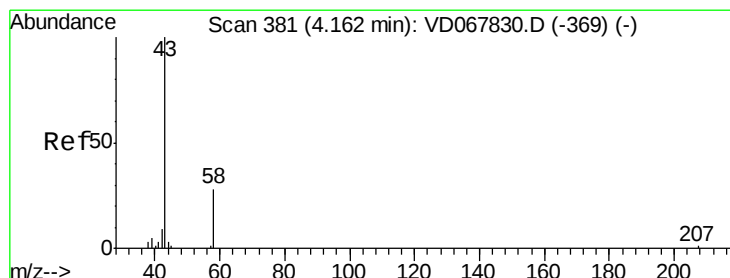
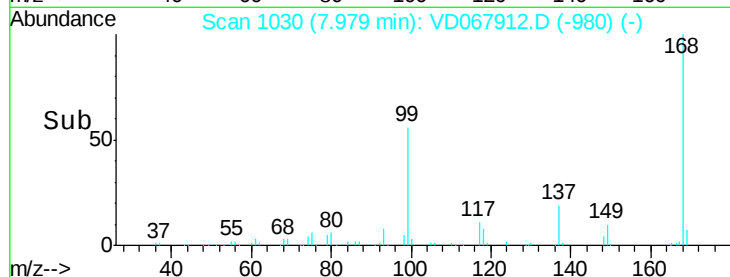
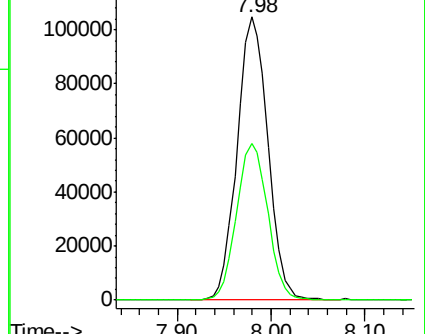
168 100

99 55.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 27.771 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067912.D

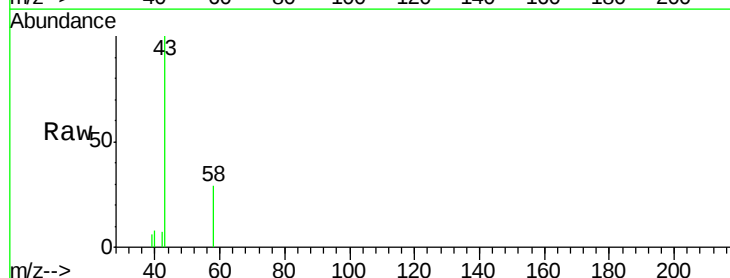
Acq: 08 Dec 2020 15:06

Tgt Ion: 43 Resp: 8761

Ion Ratio Lower Upper

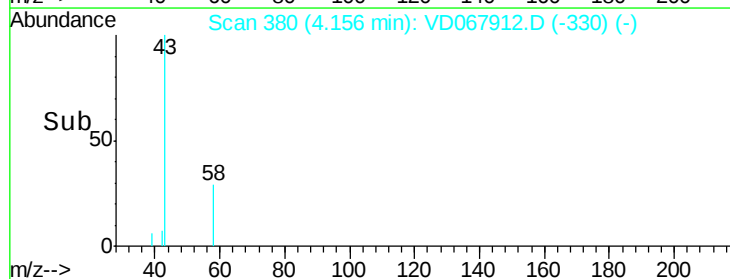
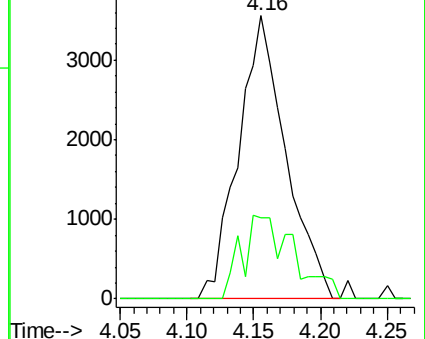
43 100

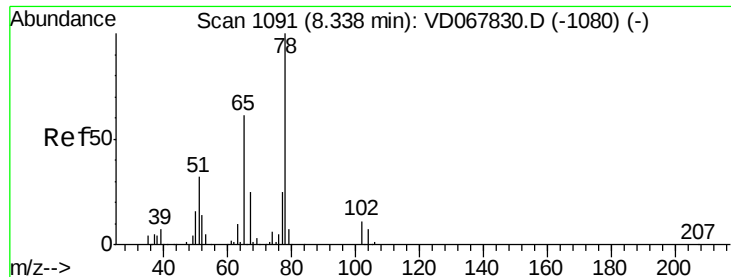
58 28.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

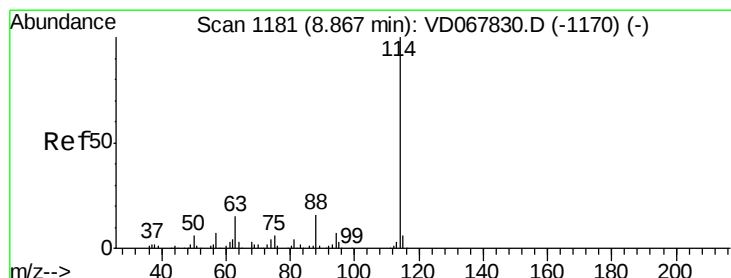
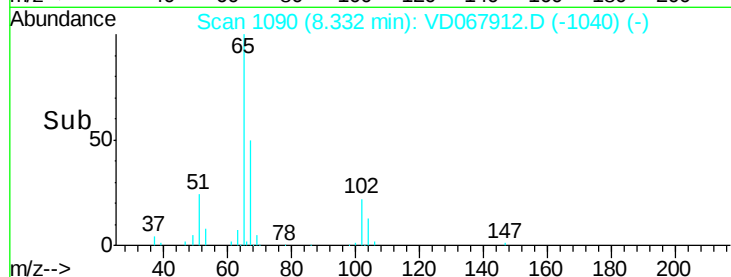
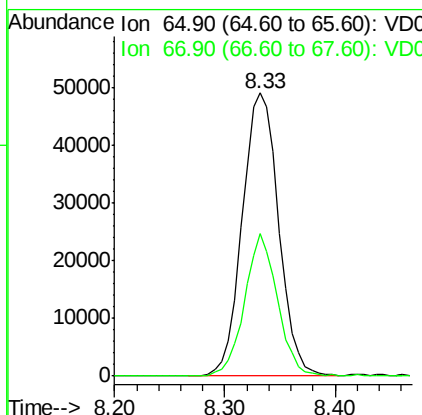
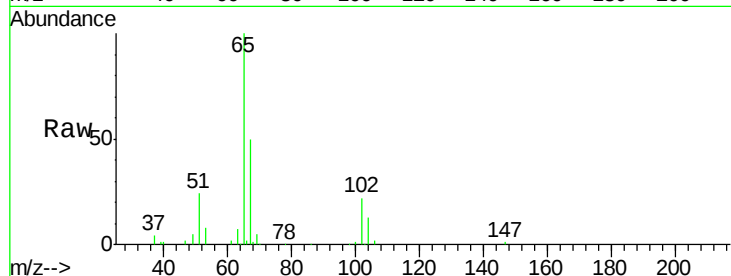




#33
 1,2-Dichloroethane-d4
 Concen: 44.460 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067912.D
 Acq: 08 Dec 2020 15:06

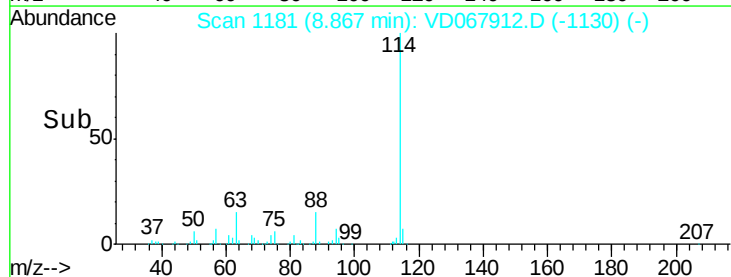
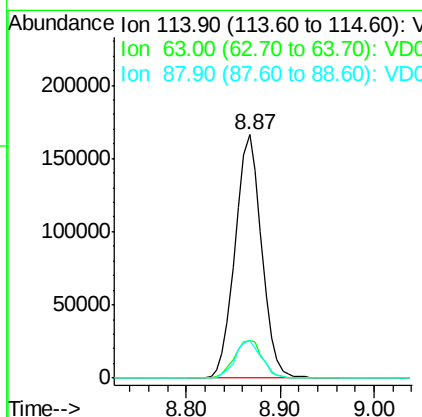
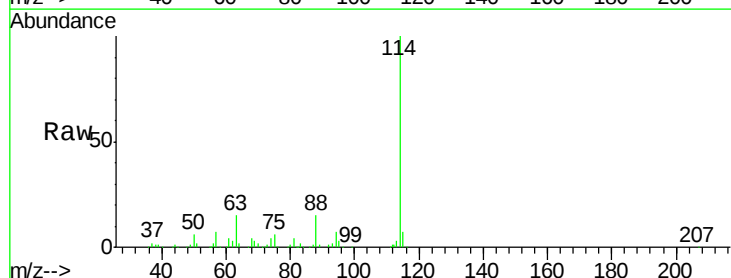
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-120820

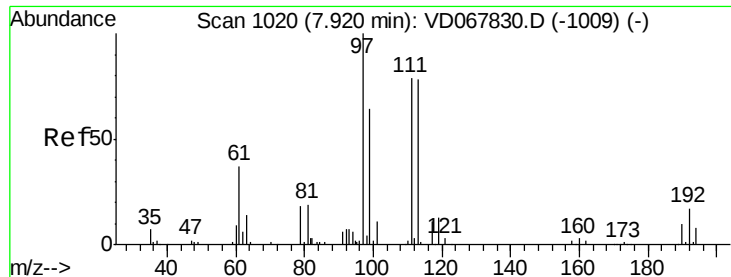
Tot Ion: 65 Resp: 113505
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067912.D
 Acq: 08 Dec 2020 15:06

Tgt Ion: 114 Resp: 326439
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 30.8
 88 15.4 0.0 31.8

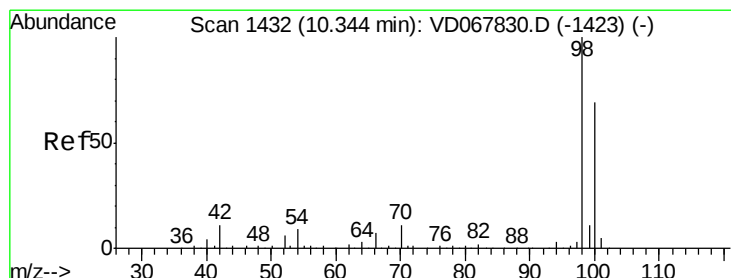
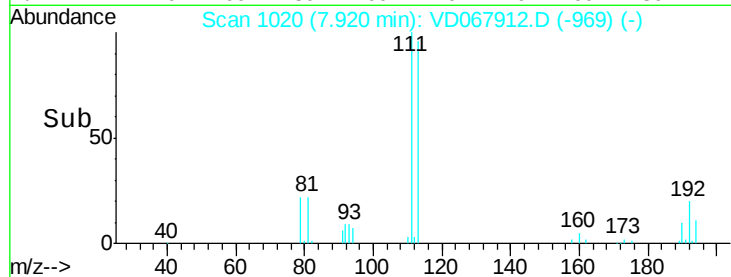
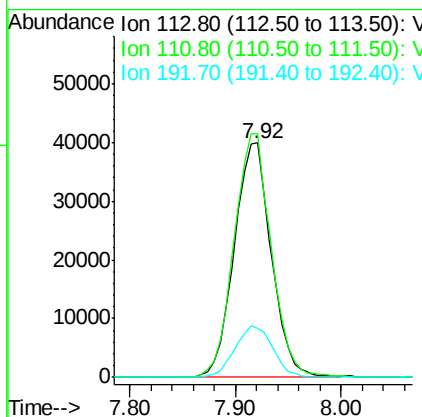
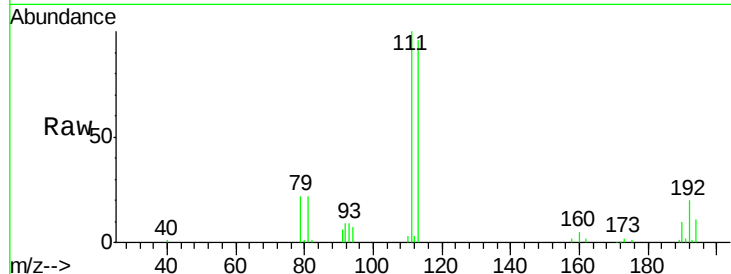




#35
Dibromofluoromethane
Concen: 44.282 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

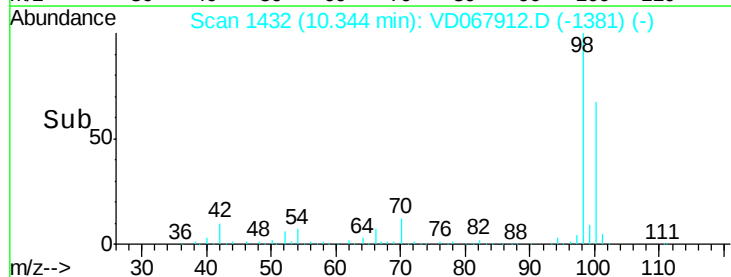
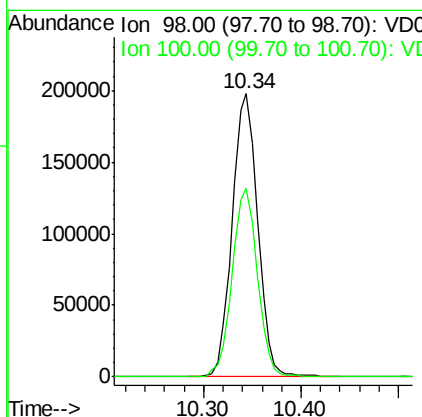
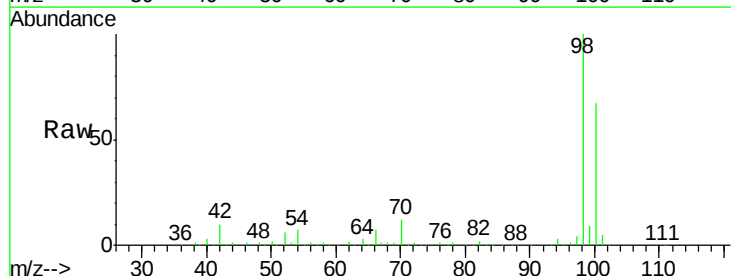
Instrument :
MSVOA_D
ClientSampleId :
SU-01-120820

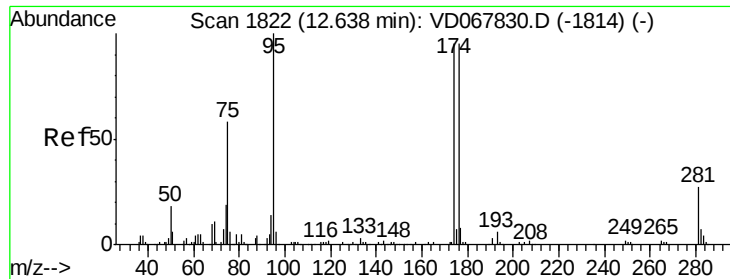
Tot Ion:113 Resp: 96727
Ion Ratio Lower Upper
113 100
111 104.8 81.2 121.8
192 22.4 16.8 25.2



#50
Toluene-d8
Concen: 45.695 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Tgt Ion: 98 Resp: 359309
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

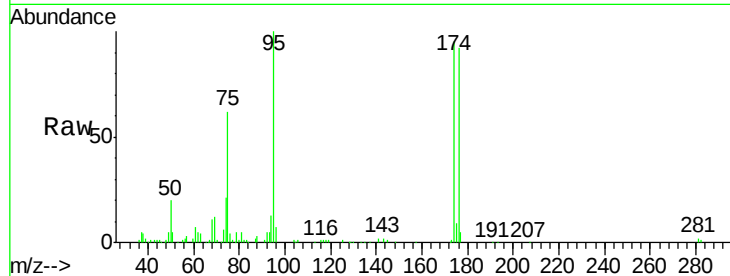




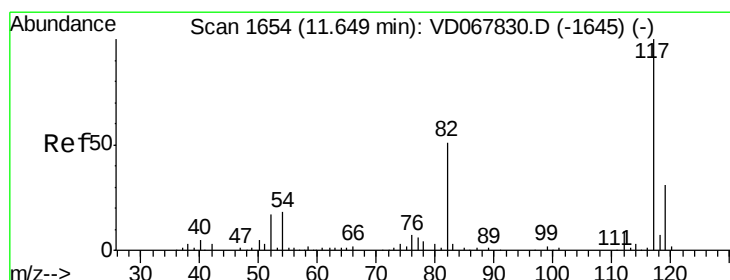
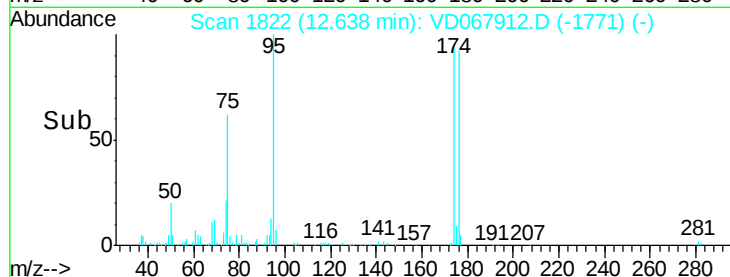
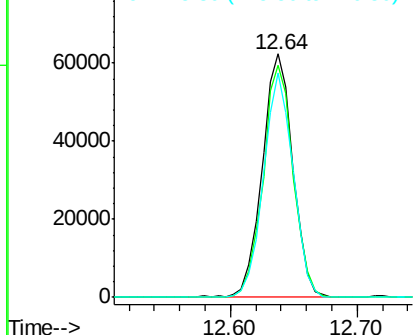
#62
4-Bromofluorobenzene
Concen: 38.496 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
SU-01-120820

Tot Ion: 95 Resp: 104653
Ion Ratio Lower Upper
95 100
174 93.4 0.0 186.0
176 88.9 0.0 184.2

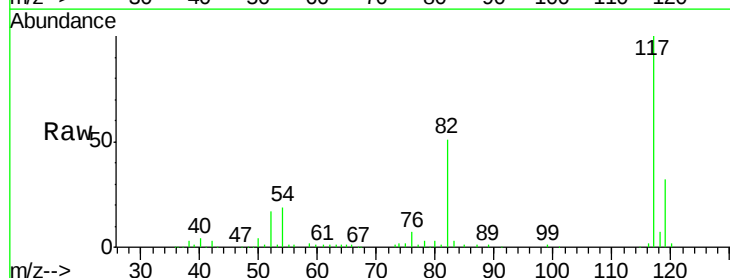


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

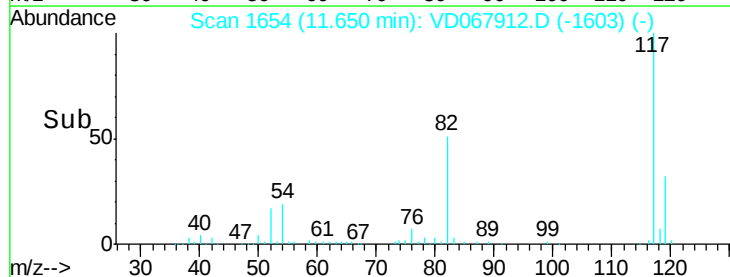
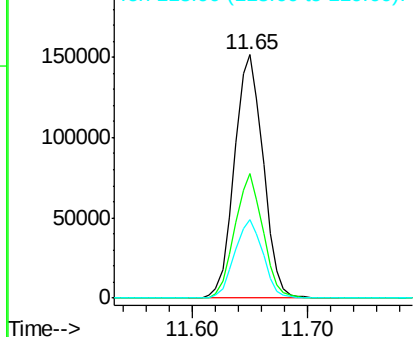


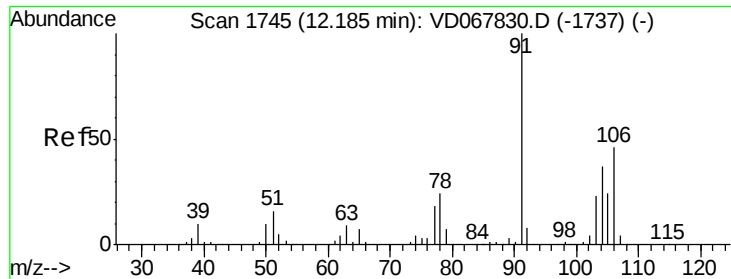
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Tgt Ion: 117 Resp: 261526
Ion Ratio Lower Upper
117 100
82 51.2 40.6 60.8
119 32.1 25.1 37.7



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

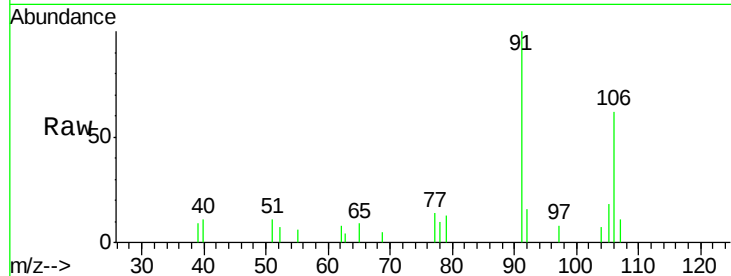




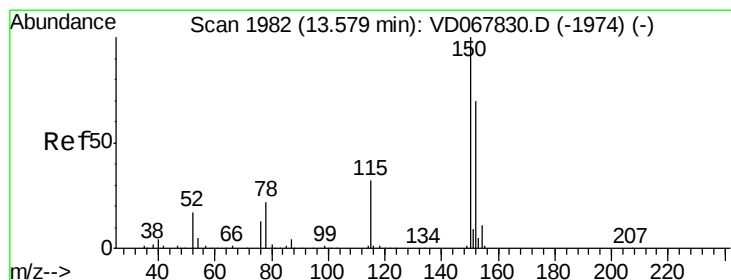
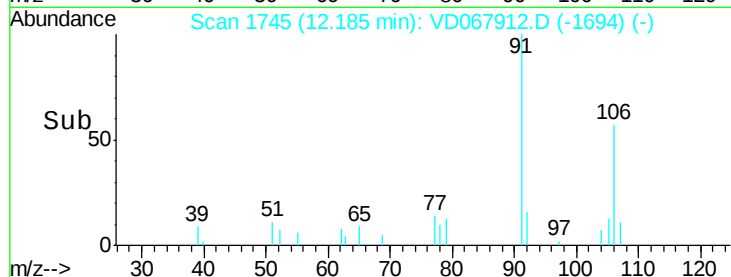
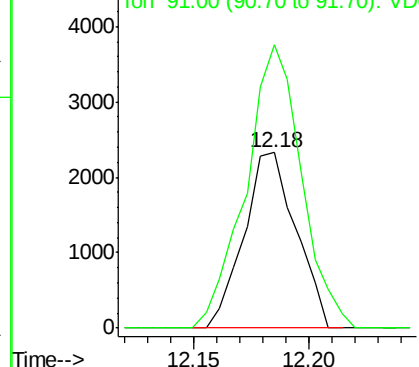
#69
o-Xylene
Concen: 1.137 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
SU-01-120820

Tot Ion:106 Resp: 3658
Ion Ratio Lower Upper
106 100
91 172.6 107.5 322.5

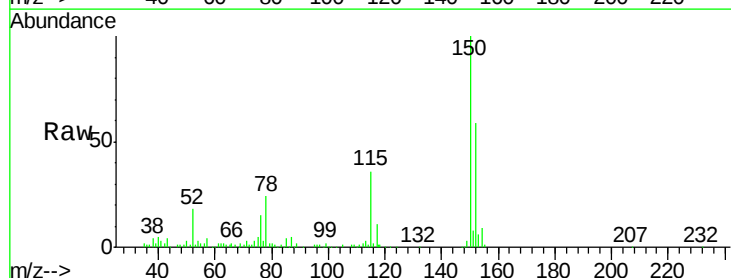


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

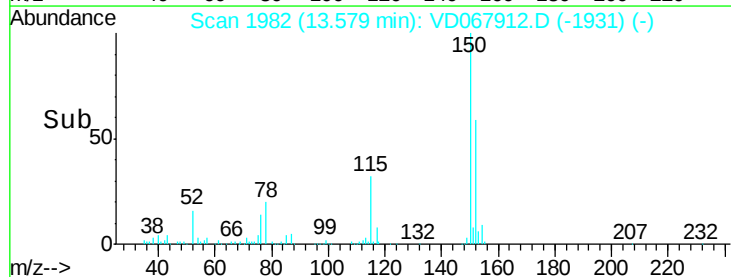
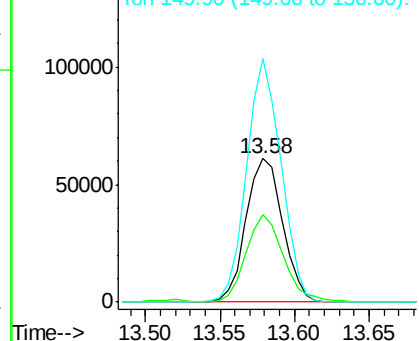


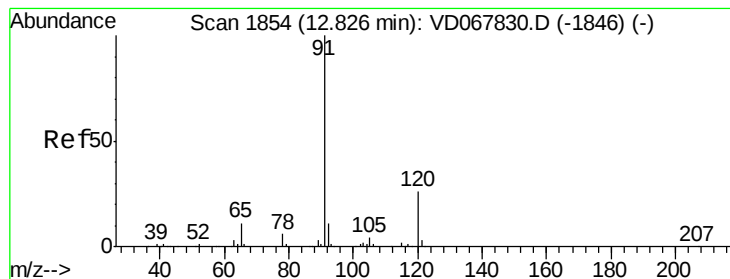
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Tgt Ion:152 Resp: 103861
Ion Ratio Lower Upper
152 100
115 62.4 29.1 87.4
150 159.1 0.0 339.0



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





#78

n-propylbenzene

Concen: 2.369 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067912.D

Acq: 08 Dec 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

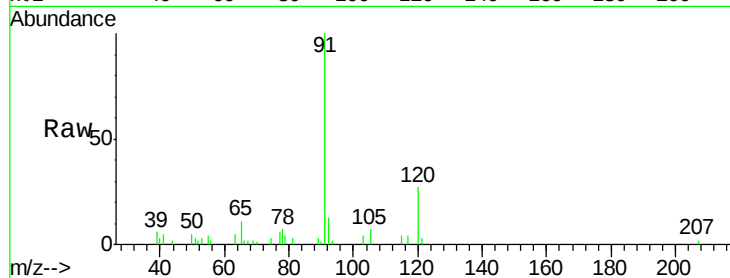
SU-01-120820

Tot Ion: 91 Resp: 18754

Ion Ratio Lower Upper

91 100

120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1846) (-)

Ion 120.00 (119.70 to 120.70): VD067830.D (-1846) (-)

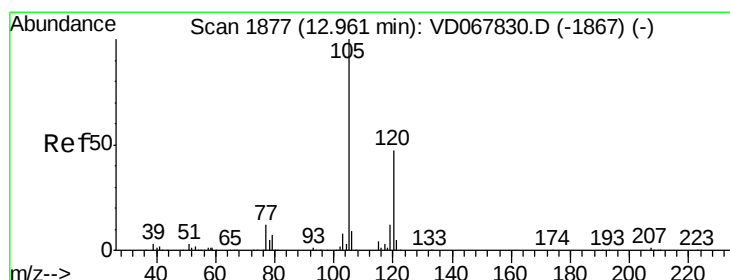
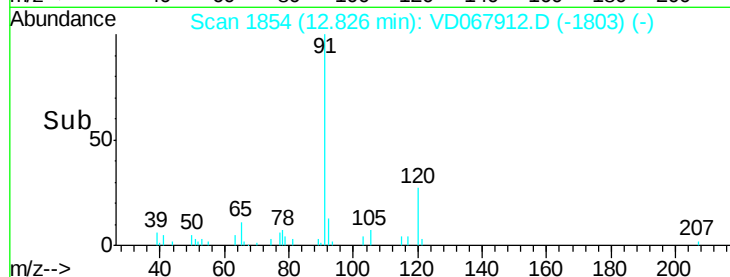
12.83

10000

5000

0

Time--> 12.75 12.80 12.85



#80

1,3,5-Trimethylbenzene

Concen: 6.595 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067912.D

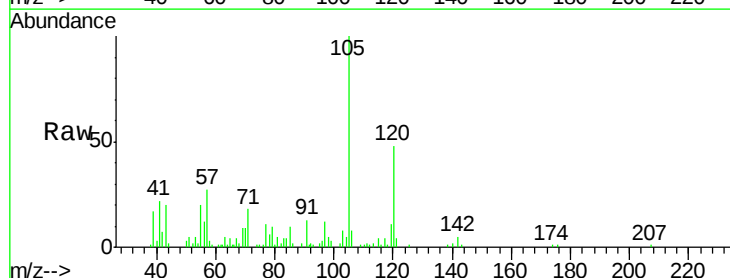
Acq: 08 Dec 2020 15:06

Tgt Ion: 105 Resp: 40784

Ion Ratio Lower Upper

105 100

120 49.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD067830.D (-1867) (-)

12.96

30000

25000

20000

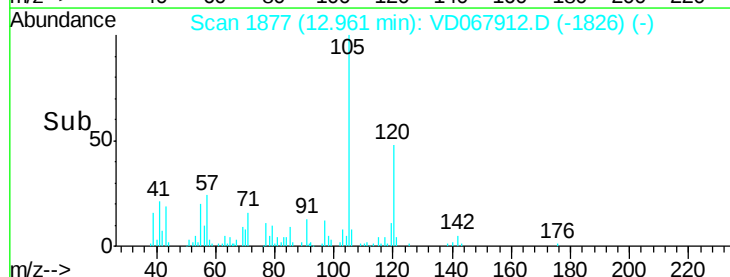
15000

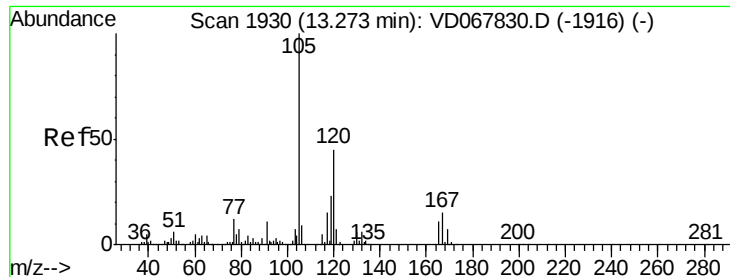
10000

5000

0

Time--> 12.95 13.00





#84

1,2,4-Trimethylbenzene

Concen: 30.387 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067912.D

Acq: 08 Dec 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

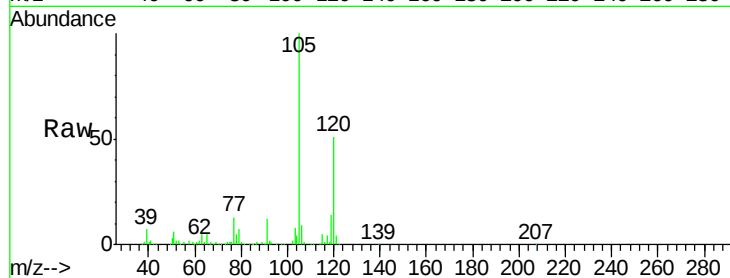
SU-01-120820

Tot Ion:105 Resp: 186858

Ion Ratio Lower Upper

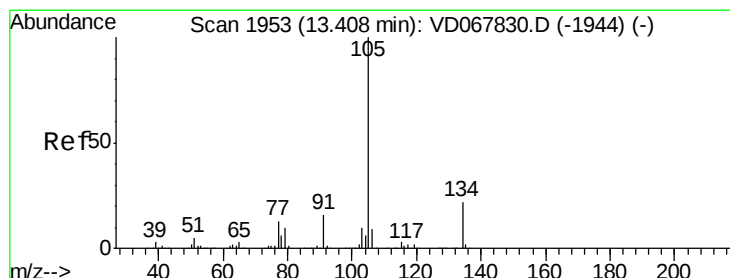
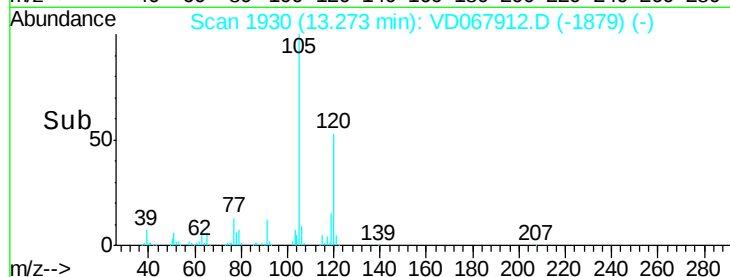
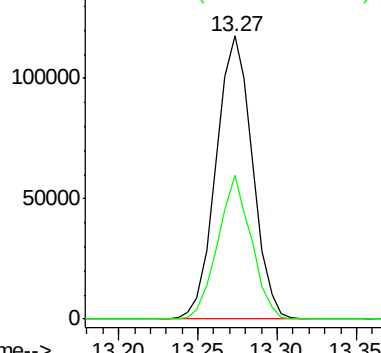
105 100

120 46.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.551 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067912.D

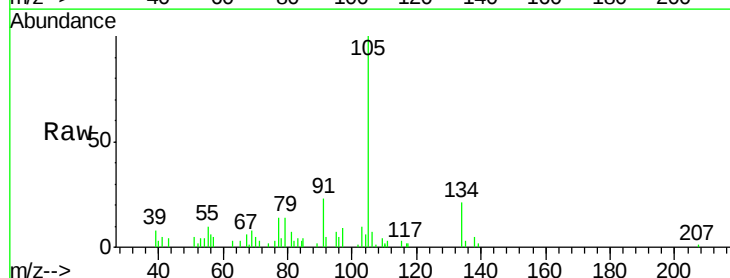
Acq: 08 Dec 2020 15:06

Tgt Ion:105 Resp: 17915

Ion Ratio Lower Upper

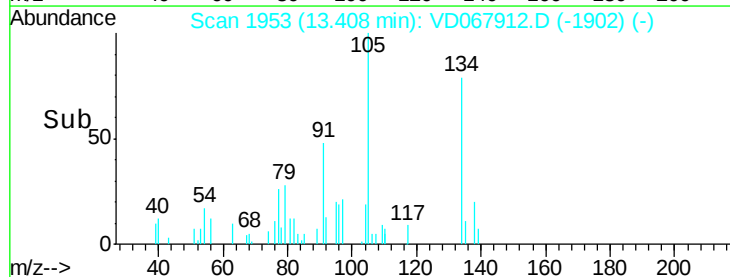
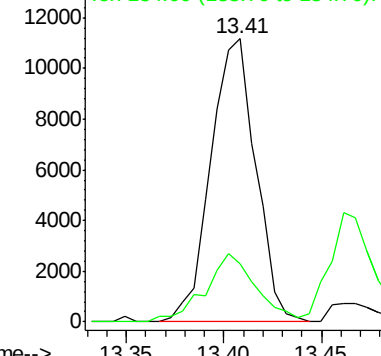
105 100

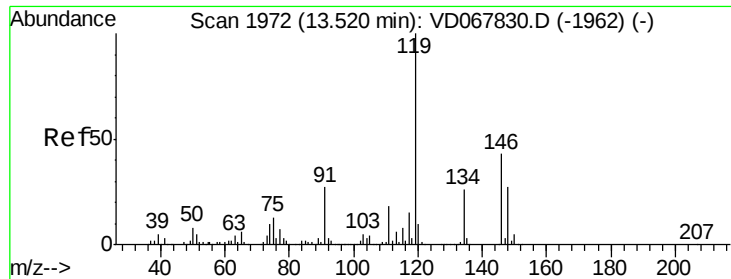
134 27.2 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

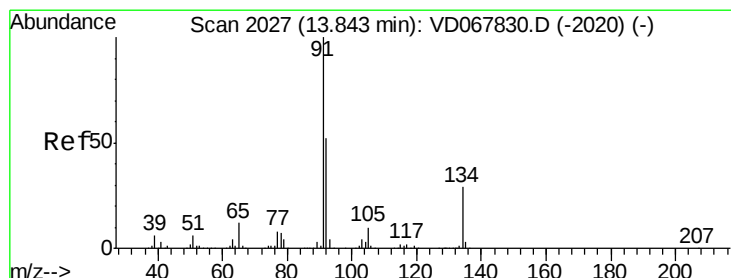
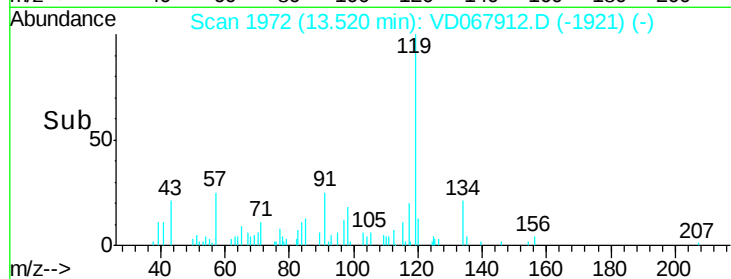
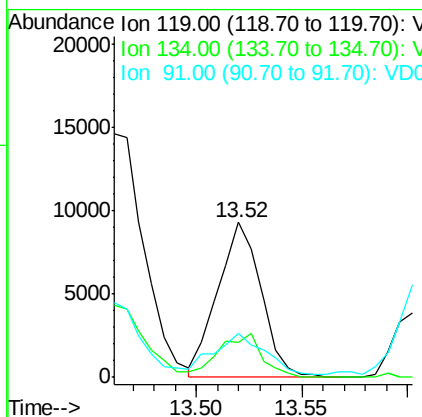
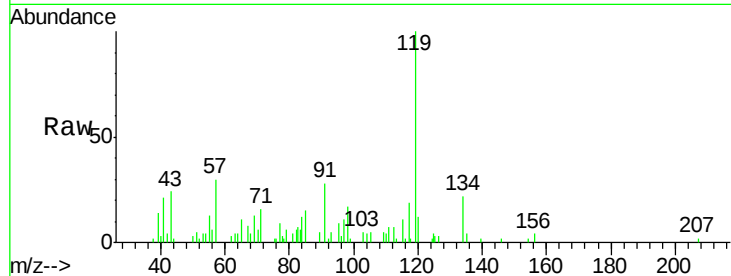




#86
p-Isopropyltoluene
Concen: 1.921 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

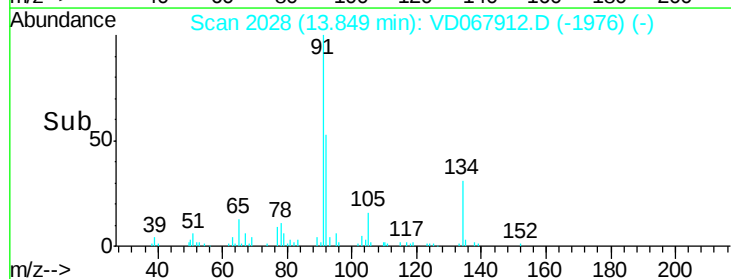
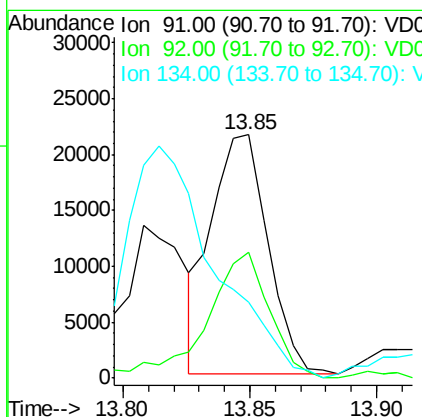
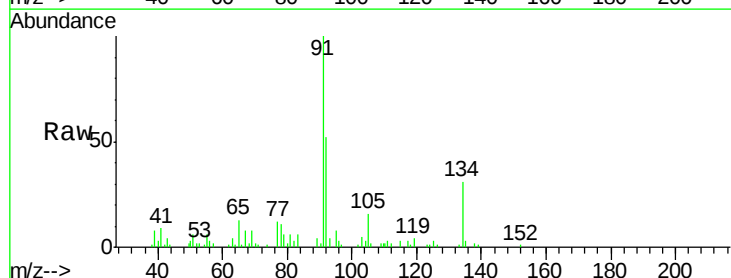
Instrument :
MSVOA_D
ClientSampleId :
SU-01-120820

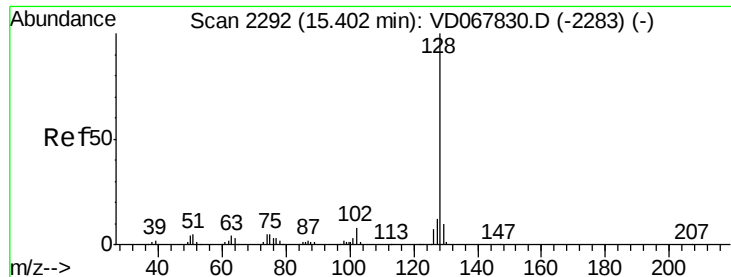
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.1	39.3
91	29.6	12.8	38.3



#89
n-Butylbenzene
Concen: 5.794 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.3	78.8
134	0.0	14.8	44.3





#95
Naphthalene
Concen: 5.806 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067912.D
Acq: 08 Dec 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
SU-01-120820

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.6	15.8#
129	5.6	9.0	13.6#

