

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062022.D
 Acq On : 25 Apr 2019 5:52
 Operator : VA/AP
 Sample : K2200-07
 Misc : 6.48g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-042319-A

Quant Time: Apr 25 09:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

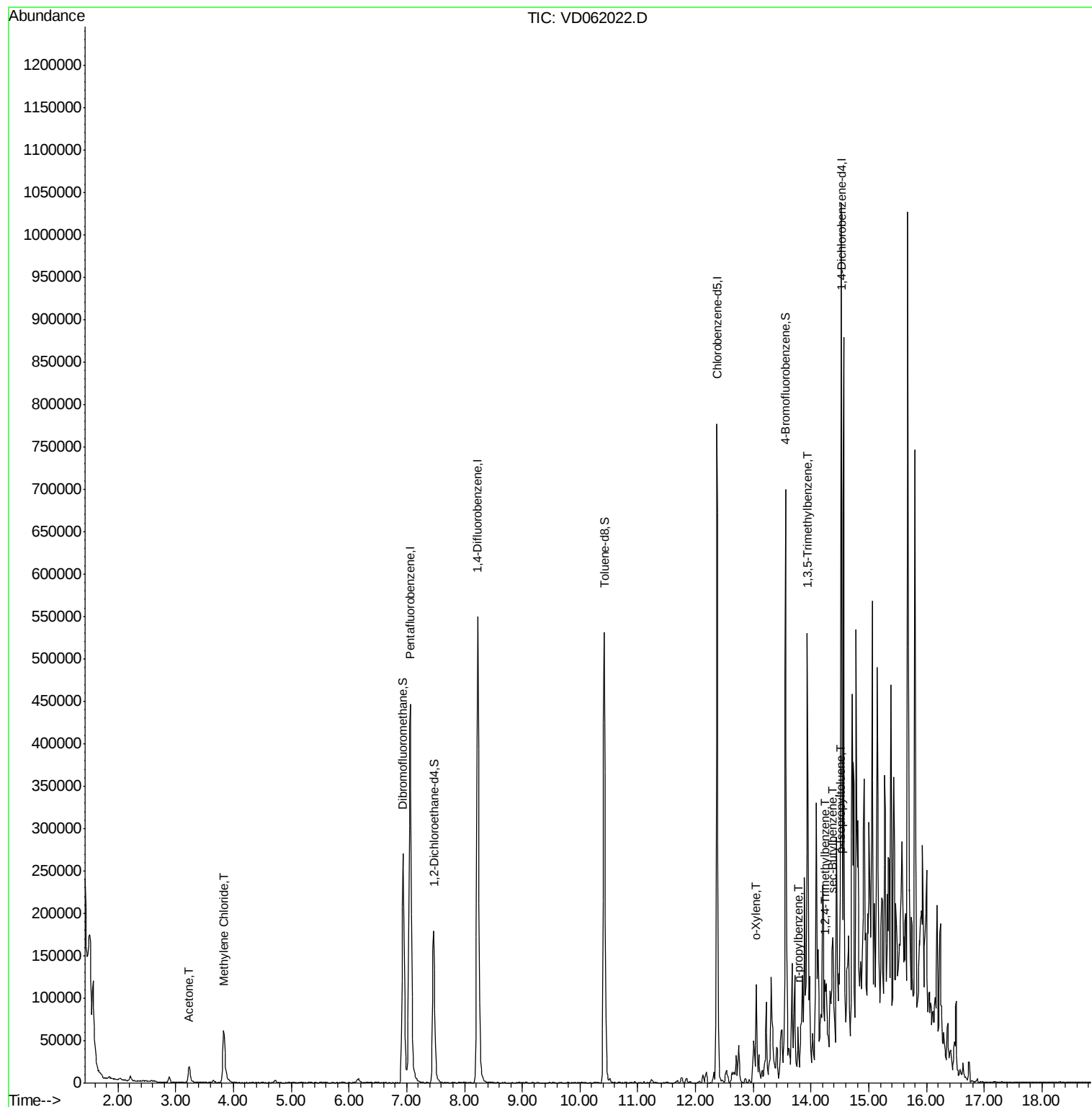
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	461451	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	709966	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	502056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	221691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	191097	52.91	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.82%	
35) Dibromofluoromethane	6.93	113	254022	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
50) Toluene-d8	10.42	98	440838	37.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.46%	
62) 4-Bromofluorobenzene	13.56	95	199251	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.04%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	38057	44.132	ug/l #	89
20) Methylene Chloride	3.83	84	49839	9.274	ug/l	97
69) o-Xylene	13.05	106	26341	5.144	ug/l	91
78) n-propylbenzene	13.78	91	33073	1.954	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	191134	16.209	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	29656	2.634	ug/l	99
85) sec-Butylbenzene	14.37	105	27085	1.835	ug/l	94
86) p-Isopropyltoluene	14.50	119	35481	2.686	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

Instrument :

MSVOA_D

ClientSampleId :

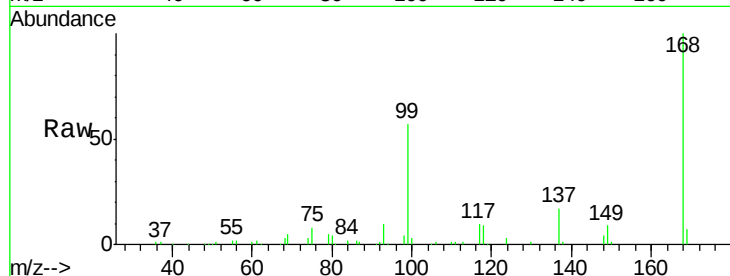
EO-02-042319-A

Tot Ion:168 Resp: 461451

Ion Ratio Lower Upper

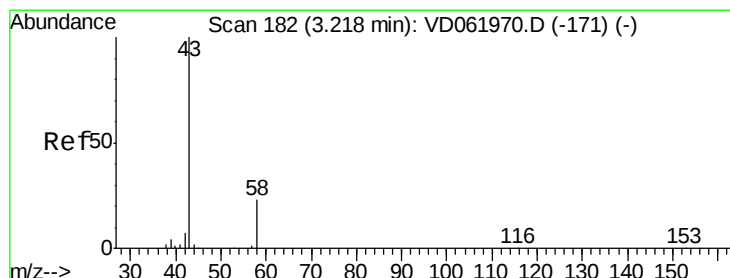
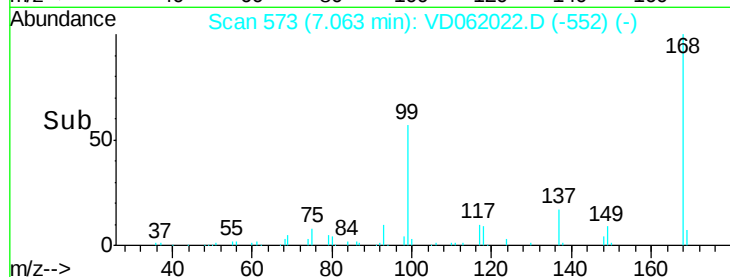
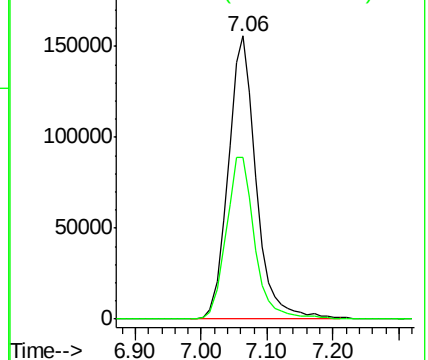
168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 44.132 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062022.D

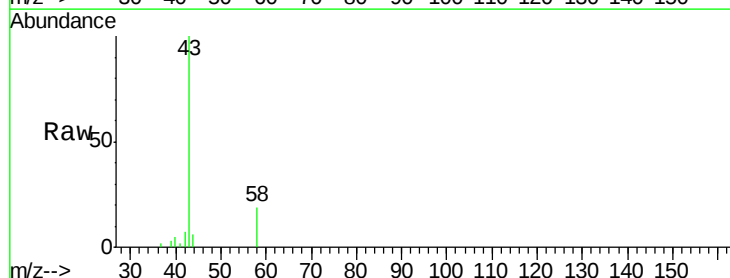
Acq: 25 Apr 2019 5:52

Tgt Ion: 43 Resp: 38057

Ion Ratio Lower Upper

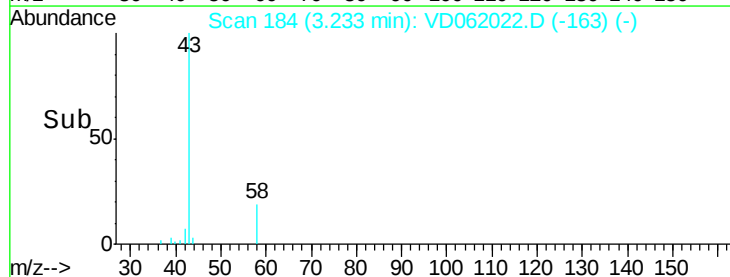
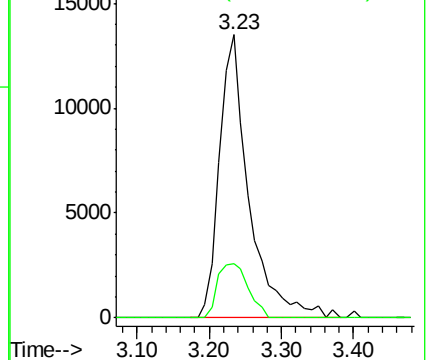
43 100

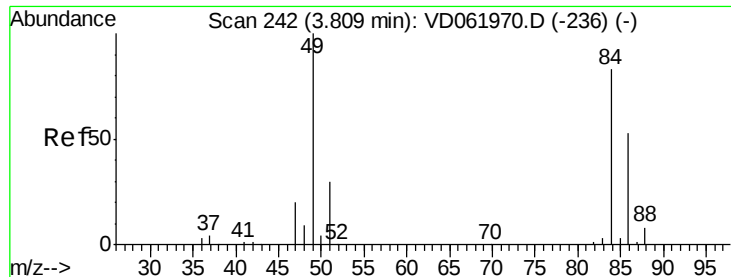
58 19.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

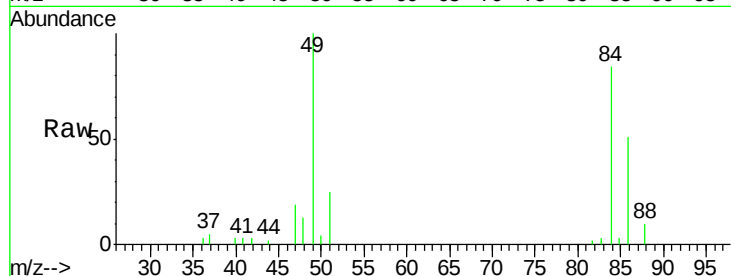




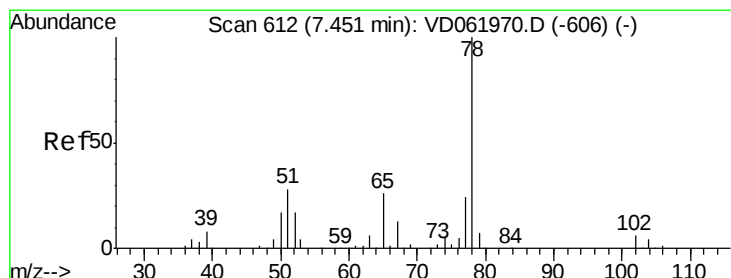
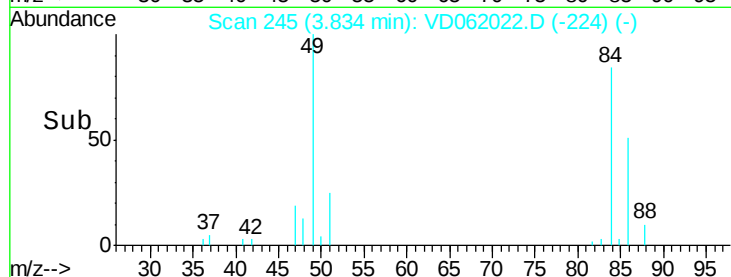
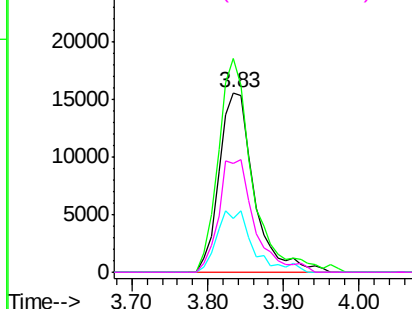
#20
Methylene Chloride
Concen: 9.274 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062022.D
Acq: 25 Apr 2019 5:52

Instrument :
MSVOA_D
ClientSampleId :
EO-02-042319-A

Tot Ion: 84 Resp: 49839
Ion Ratio Lower Upper
84 100
49 119.1 94.0 141.0
51 30.2 29.0 43.4
86 60.6 49.8 74.6

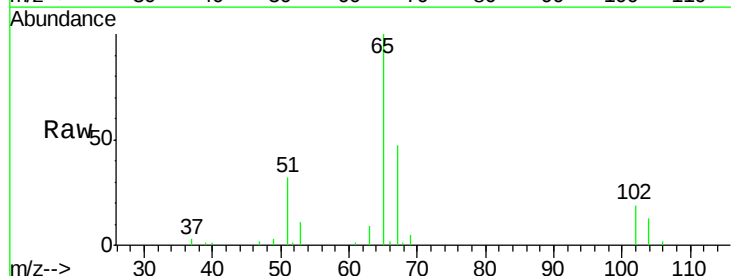


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

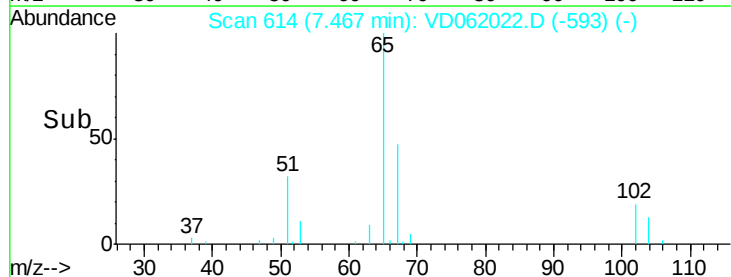
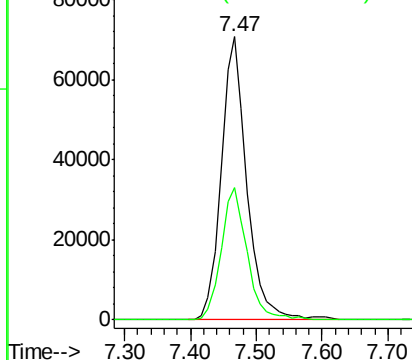


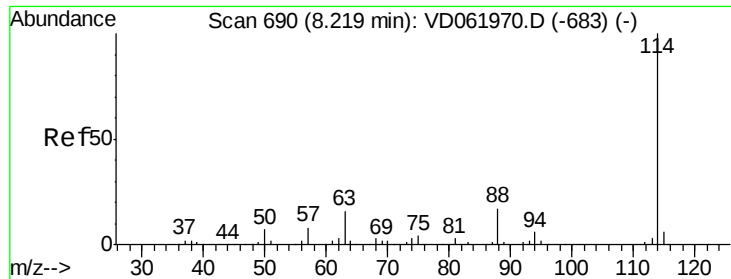
#33
1,2-Dichloroethane-d4
Concen: 52.912 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062022.D
Acq: 25 Apr 2019 5:52

Tgt Ion: 65 Resp: 191097
Ion Ratio Lower Upper
65 100
67 46.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

Instrument :

MSVOA_D

ClientSampleId :

EO-02-042319-A

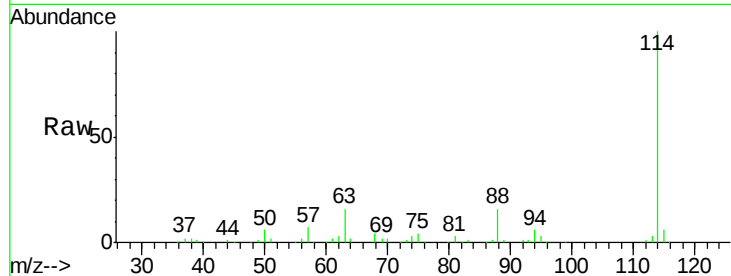
Tot Ion:114 Resp: 709966

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

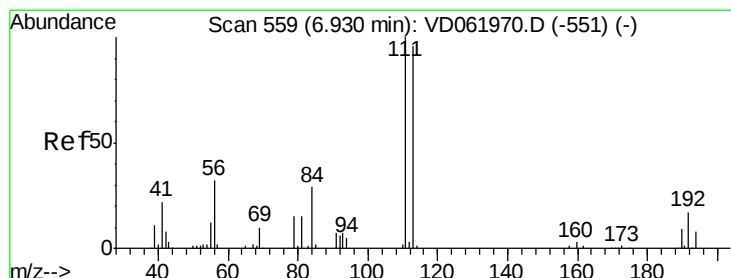
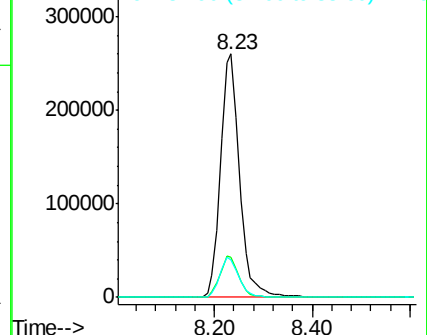
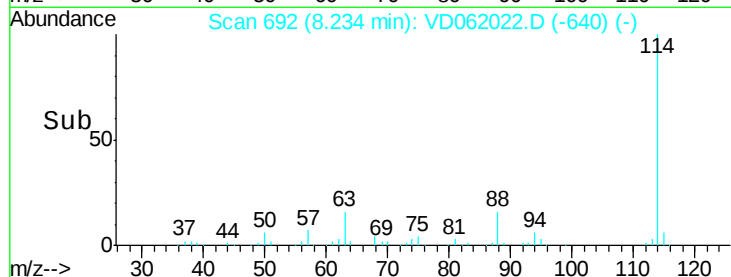
88 15.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 51.735 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

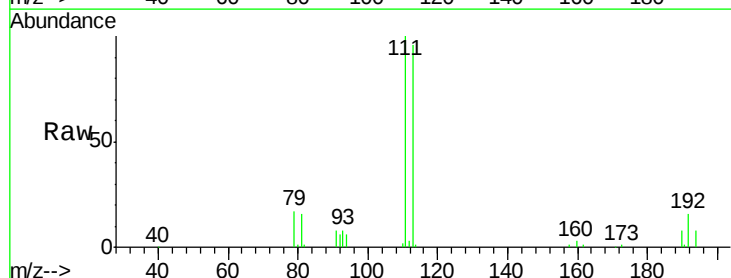
Tgt Ion:113 Resp: 254022

Ion Ratio Lower Upper

113 100

111 104.6 78.5 117.7

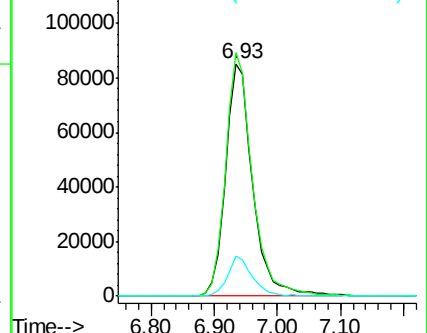
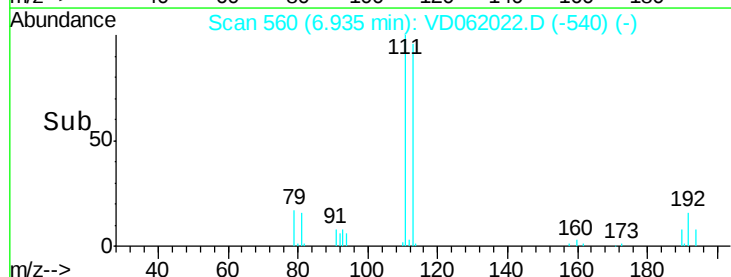
192 17.1 13.0 19.4

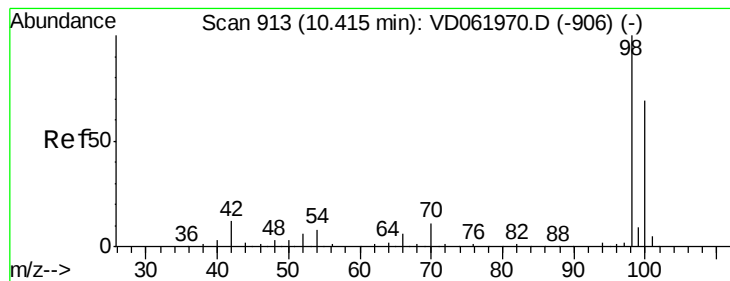


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 37.731 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

Instrument :

MSVOA_D

ClientSampleId :

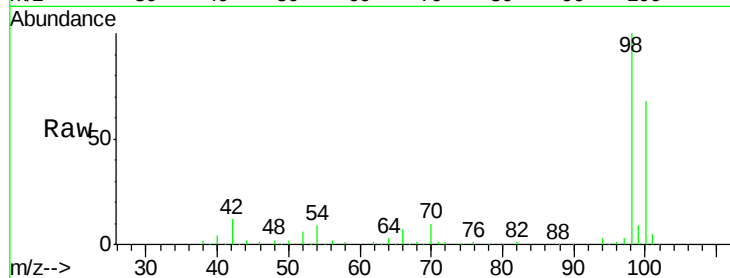
EO-02-042319-A

Tot Ion: 98 Resp: 440838

Ion Ratio Lower Upper

98 100

100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.42

200000

150000

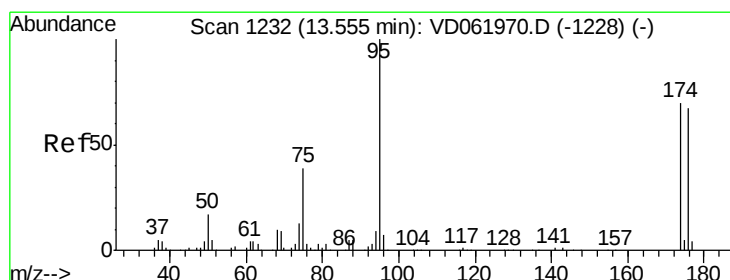
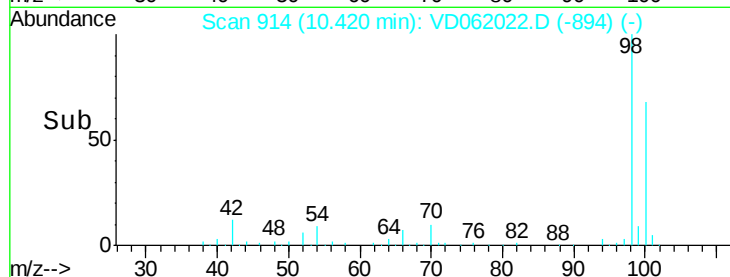
100000

50000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: 42.519 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

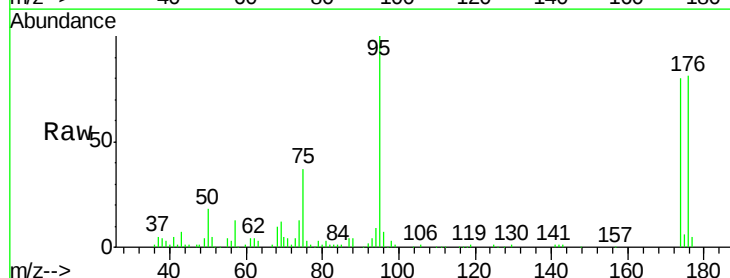
Tgt Ion: 95 Resp: 199251

Ion Ratio Lower Upper

95 100

174 80.0 0.0 181.8

176 80.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

13.56

150000

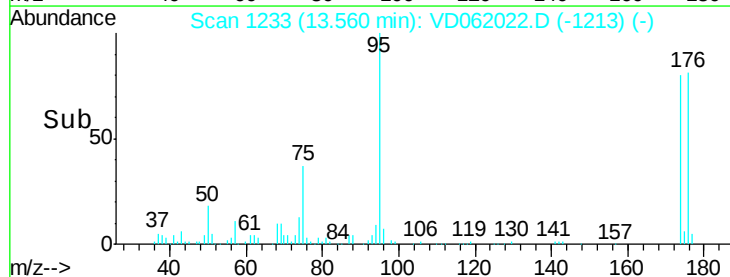
100000

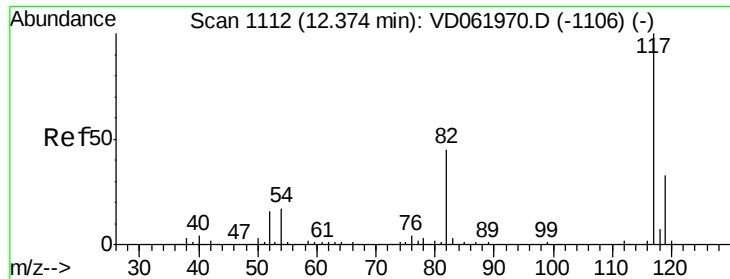
50000

0

Time-->

13.50 13.60

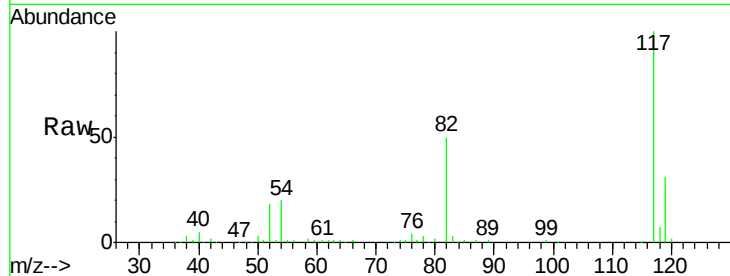




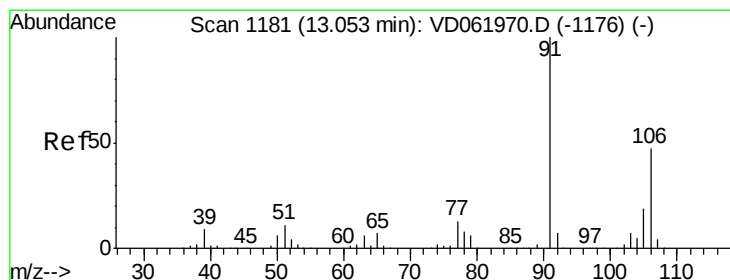
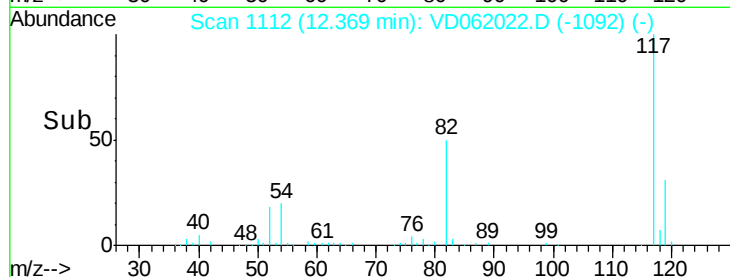
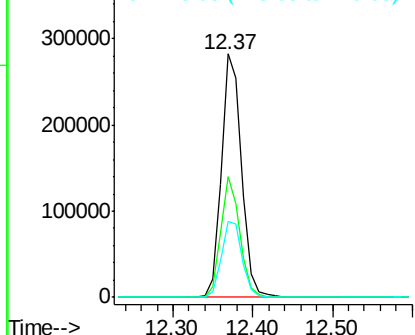
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062022.D
Acq: 25 Apr 2019 5:52

Instrument :
MSVOA_D
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EO-02-042319-A

Tot Ion:117 Resp: 502056
Ion Ratio Lower Upper
117 100
82 49.6 36.2 54.2
119 31.4 26.2 39.4

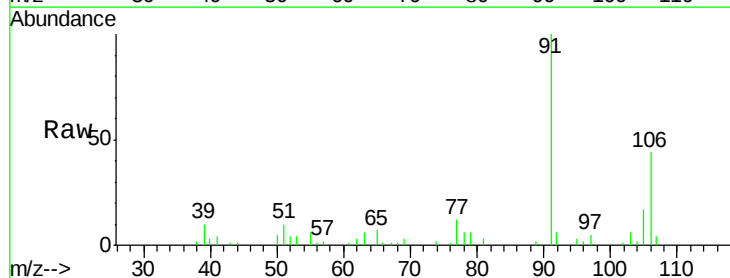


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

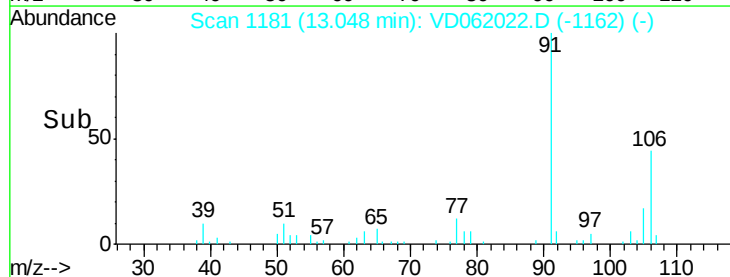
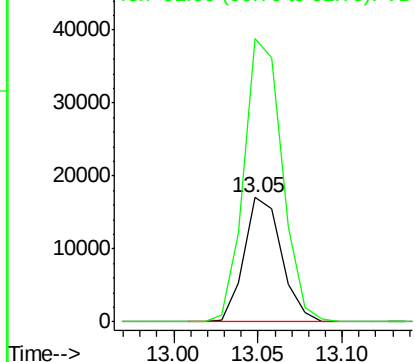


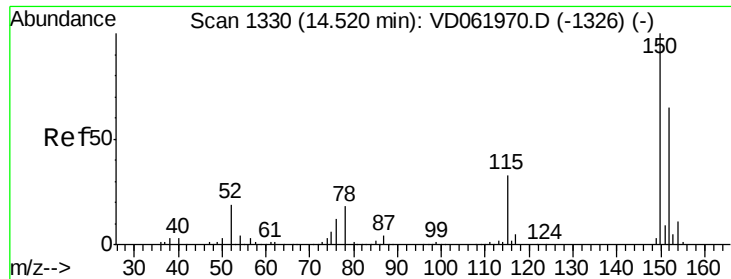
#69
o-Xylene
Concen: 5.144 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062022.D
Acq: 25 Apr 2019 5:52

Tgt Ion:106 Resp: 26341
Ion Ratio Lower Upper
106 100
91 227.6 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062022.D

Acq: 25 Apr 2019 5:52

Instrument :

MSVOA_D

ClientSampleId :

EO-02-042319-A

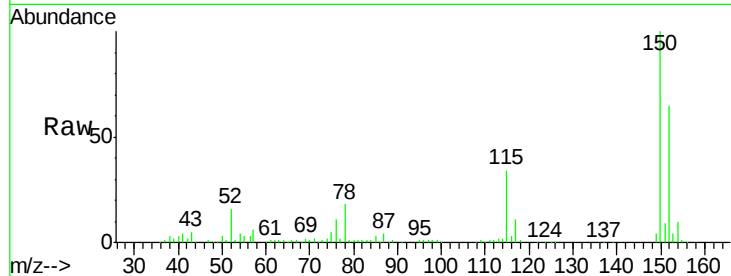
Tot Ion:152 Resp: 221691

Ion Ratio Lower Upper

152 100

115 52.0 30.9 92.7

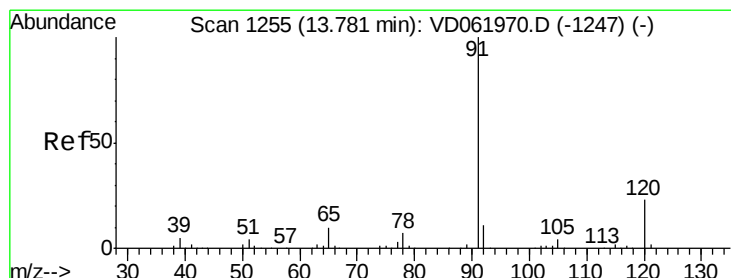
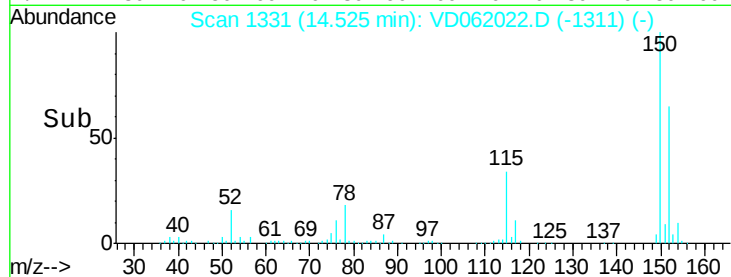
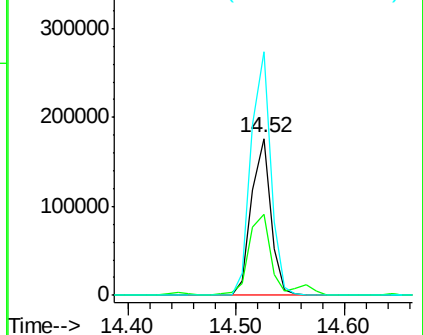
150 155.0 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 1.954 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062022.D

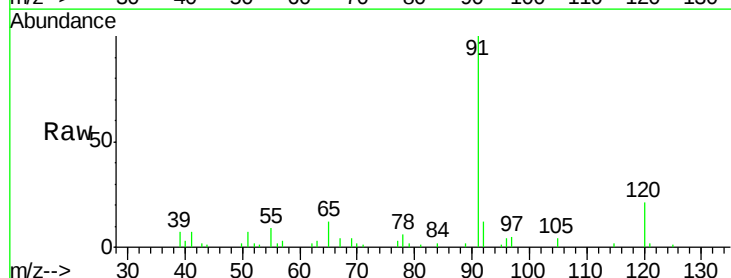
Acq: 25 Apr 2019 5:52

Tgt Ion: 91 Resp: 33073

Ion Ratio Lower Upper

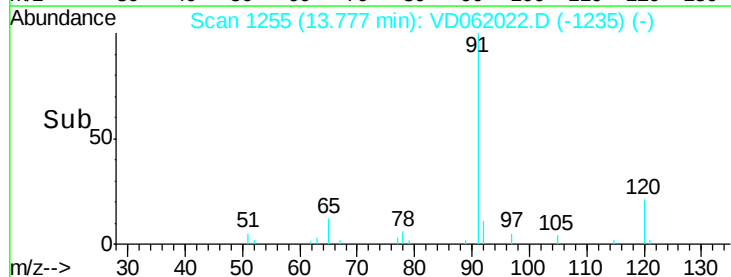
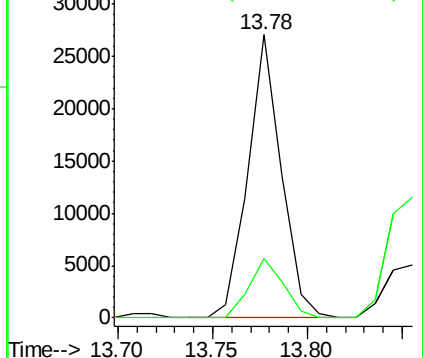
91 100

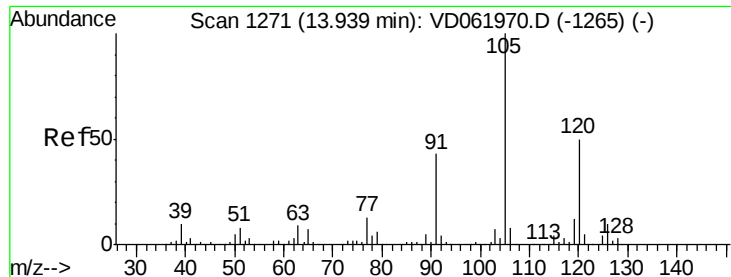
120 20.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

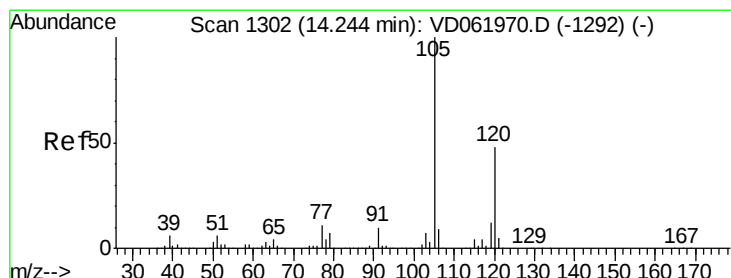
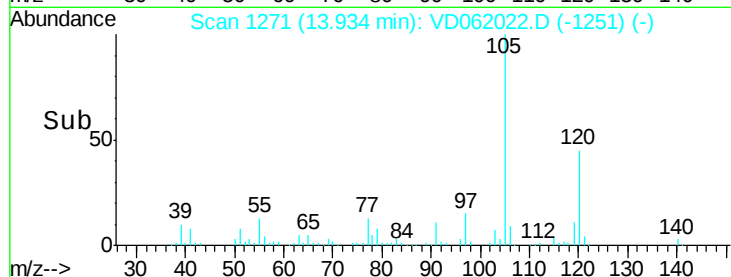
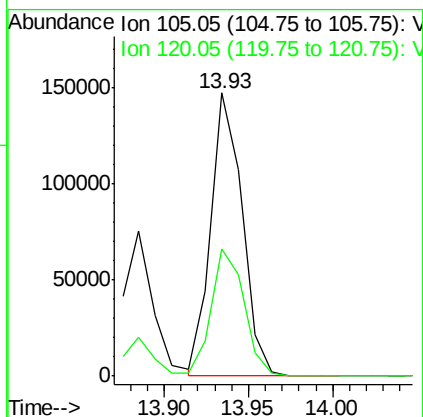
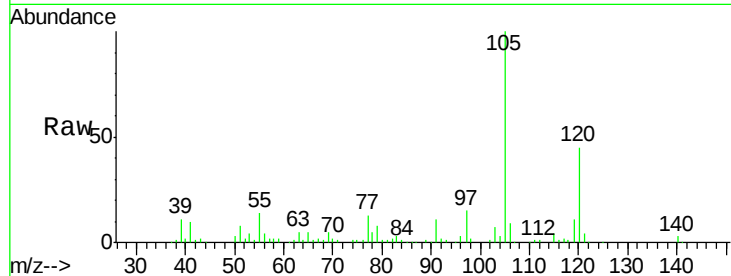




#80
 1,3,5-Trimethylbenzene
 Concen: 16.209 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062022.D
 Acq: 25 Apr 2019 5:52

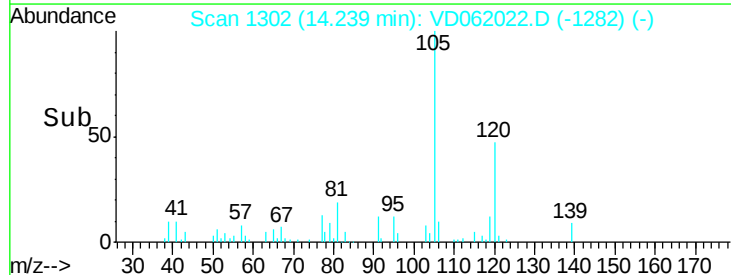
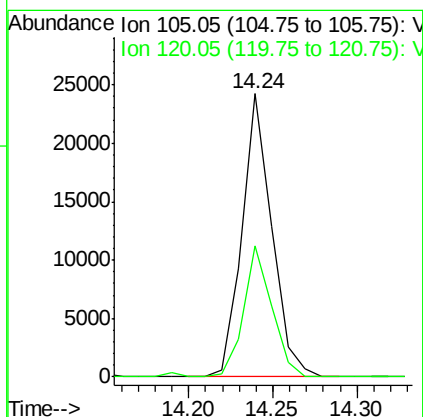
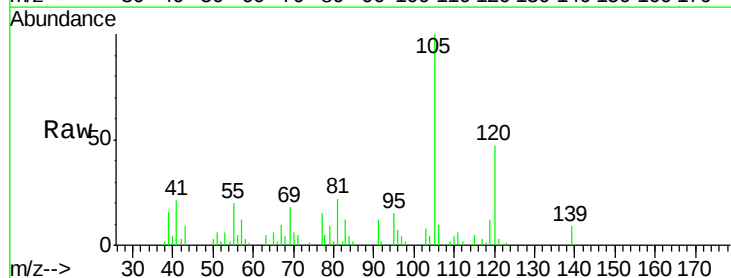
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-042319-A

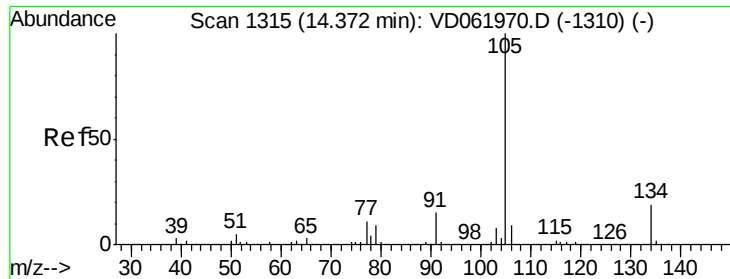
Tot Ion:105 Resp: 191134
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.634 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062022.D
 Acq: 25 Apr 2019 5:52

Tgt Ion:105 Resp: 29656
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2

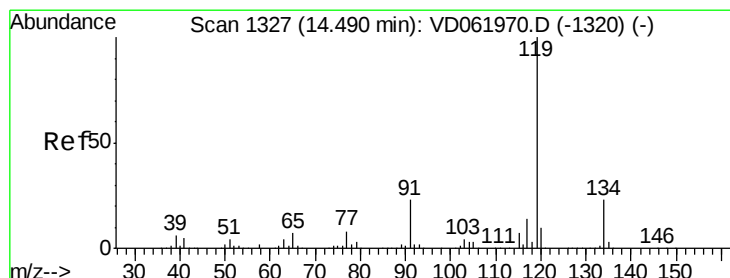
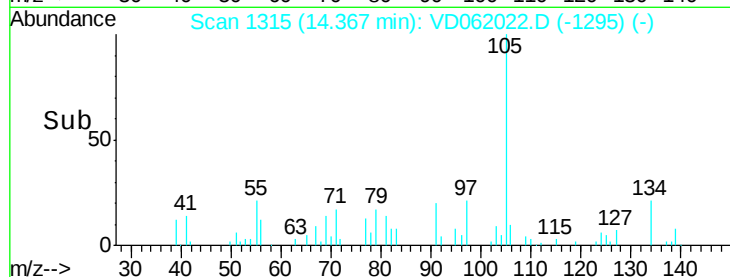
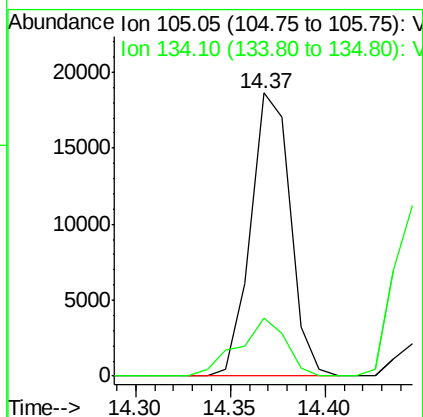
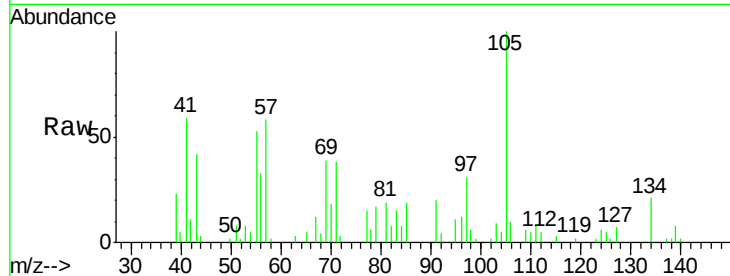




#85
 sec-Butylbenzene
 Concen: 1.835 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062022.D
 Acq: 25 Apr 2019 5:52

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-042319-A

Tot Ion:105 Resp: 27085
 Ion Ratio Lower Upper
 105 100
 134 20.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 2.686 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062022.D
 Acq: 25 Apr 2019 5:52

Tgt Ion:119 Resp: 35481
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 21.4 10.7 32.1

