

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062407.D
 Acq On : 16 May 2019 00:03
 Operator : FY/SY
 Sample : K2866-01
 Misc : 6.21g/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-COMP-1

Quant Time: May 16 05:11:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

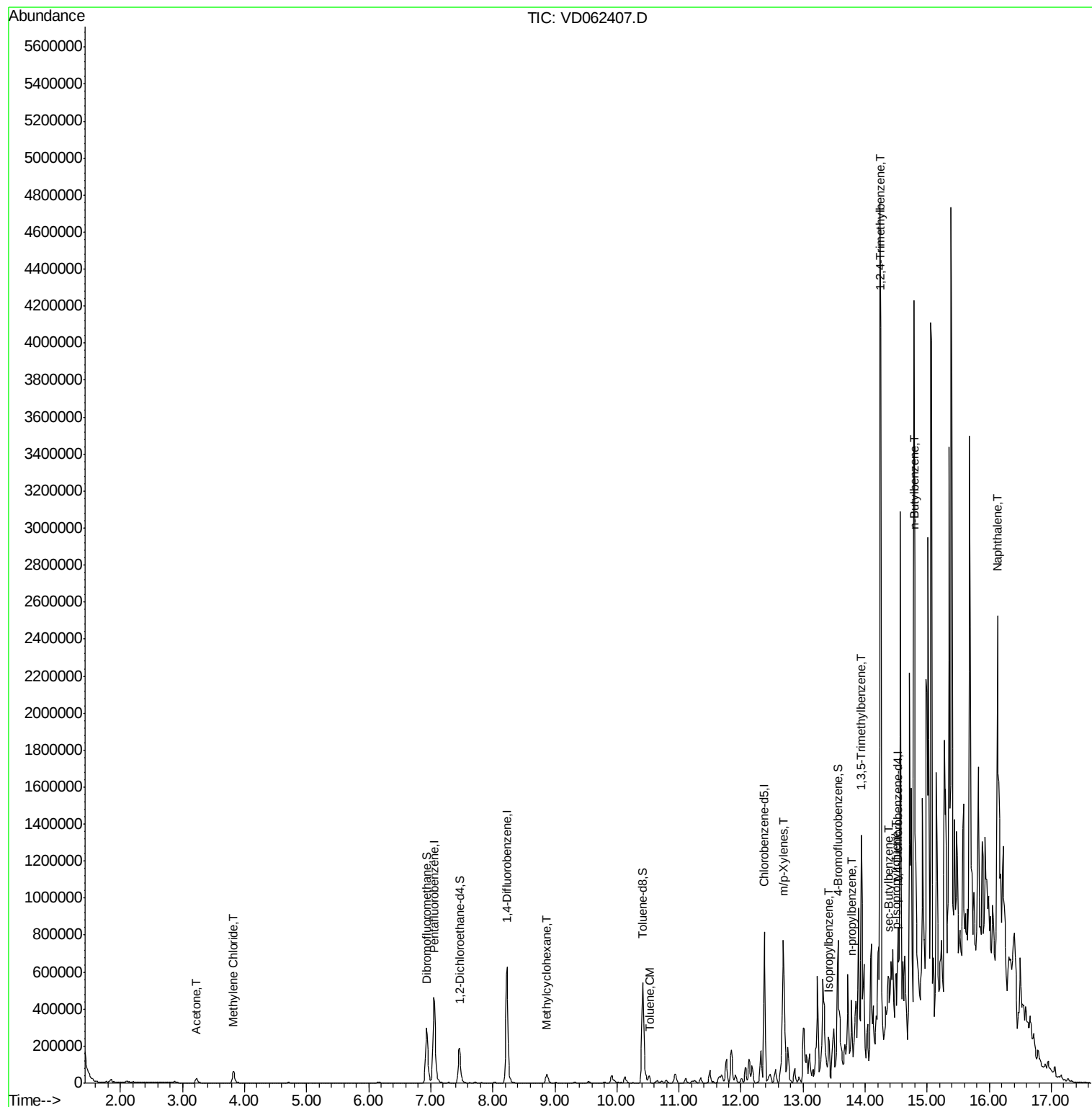
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	418931	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	647690	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	419235	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	108176	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	220175	56.55	ug/l	0.04
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	6.93	113	255566	47.56	ug/l	0.04
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	10.43	98	432352	33.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	66.74%	
62) 4-Bromofluorobenzene	13.57	95	149049m	28.65	ug/l	0.02
Spiked Amount	50.000		Recovery	=	57.30%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	48592	59.517	ug/l #	88
20) Methylene Chloride	3.82	84	41751	12.247	ug/l	87
39) Methylcyclohexane	8.87	83	23040	4.528	ug/l #	85
52) Toluene	10.52	92	20448	2.621	ug/l	92
68) m/p-Xylenes	12.68	106	210004	44.155	ug/l	83
73) Isopropylbenzene	13.41	105	75615	11.661	ug/l	100
78) n-propylbenzene	13.78	91	228071	29.485	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	462943	84.782	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	2160793	394.341	ug/l	89
85) sec-Butylbenzene	14.37	105	94726	14.077	ug/l	99
86) p-Isopropyltoluene	14.50	119	134449	22.363	ug/l	91
89) n-Butylbenzene	14.81	91	211193m	39.137	ug/l	
95) Naphthalene	16.13	128	1085962	391.324	ug/l	99

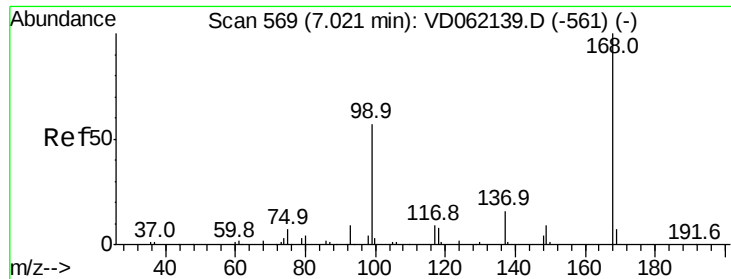
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

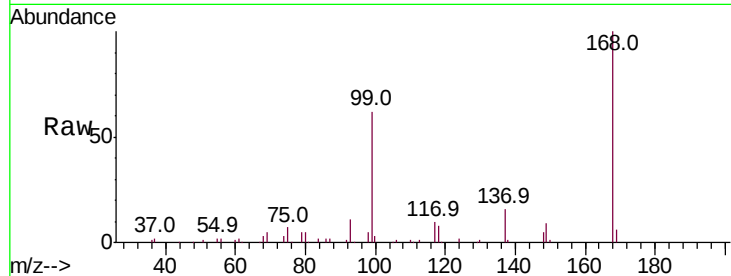
RO-COMP-1

Tot Ion:168 Resp: 418931

Ion Ratio Lower Upper

168 100

99 61.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

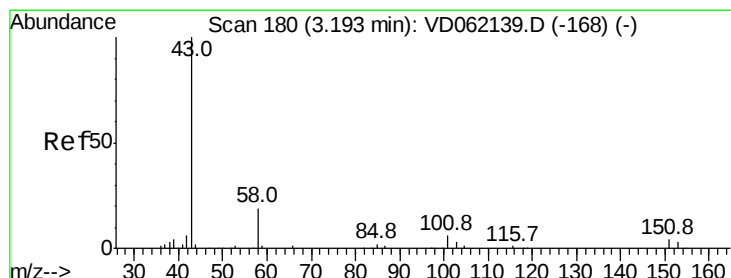
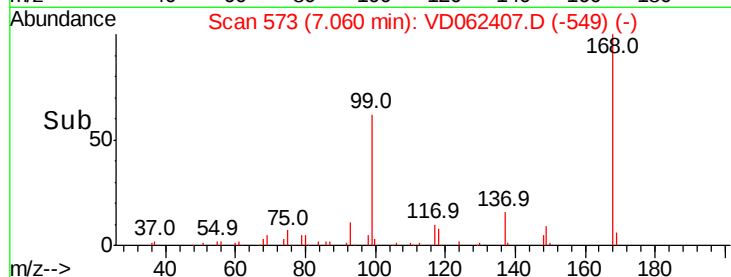
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 59.517 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062407.D

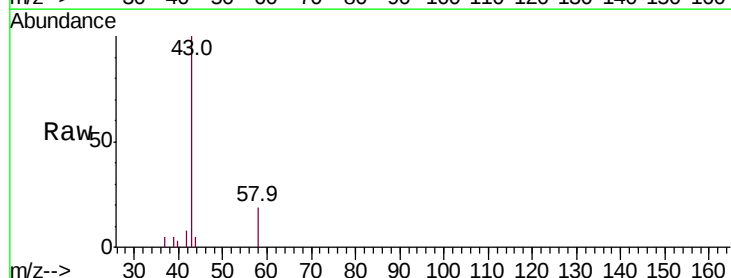
Acq: 16 May 2019 00:03

Tgt Ion: 43 Resp: 48592

Ion Ratio Lower Upper

43 100

58 18.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

20000

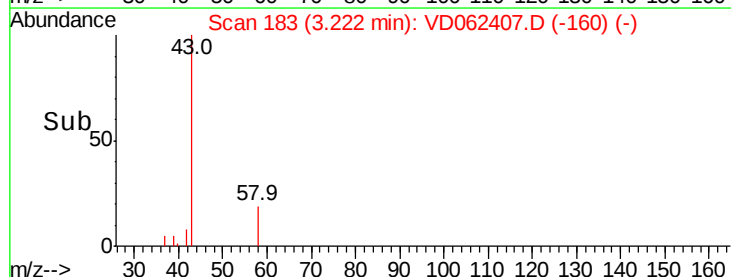
15000

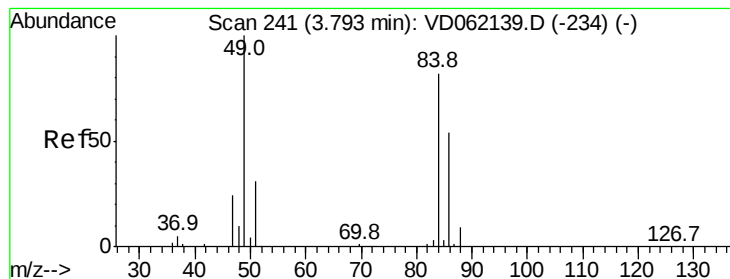
10000

5000

0

Time--> 3.10 3.20 3.30 3.40





#20

Methylene Chloride

Concen: 12.247 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

RO-COMP-1

Tot Ion: 84 Resp: 41751

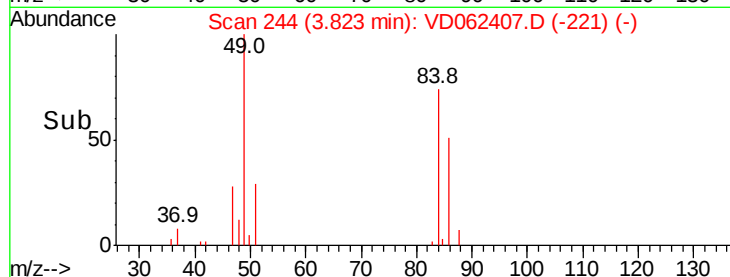
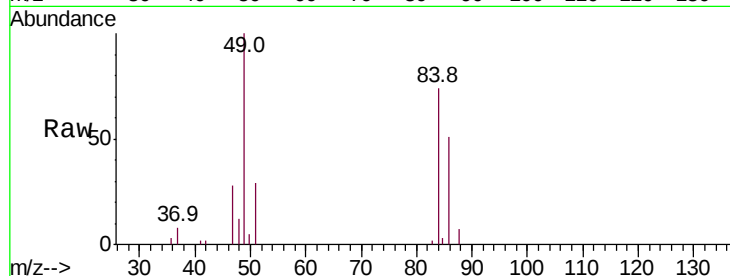
Ion Ratio Lower Upper

84 100

49 135.7 94.0 141.0

51 39.1 29.0 43.4

86 69.7 49.8 74.6

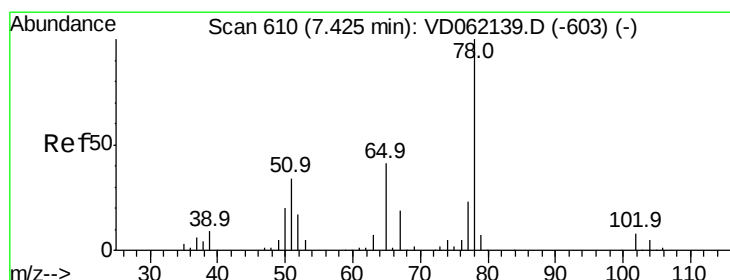
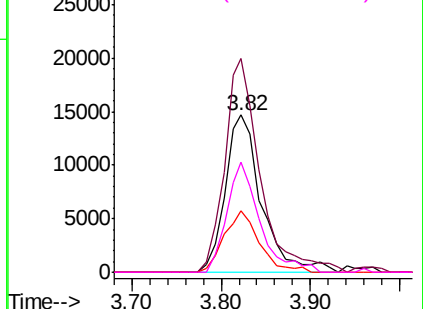


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 56.554 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062407.D

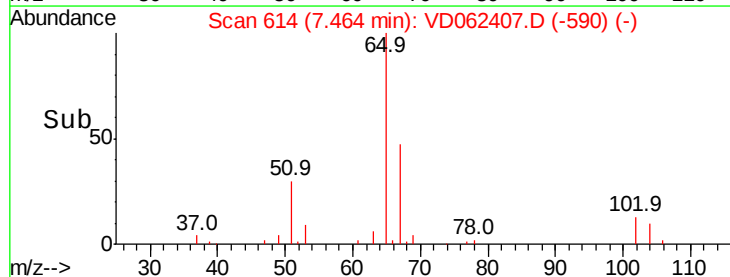
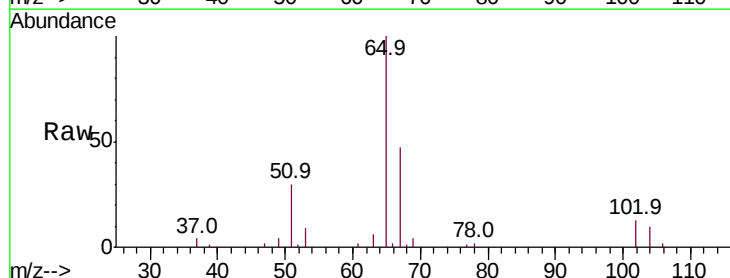
Acq: 16 May 2019 00:03

Tgt Ion: 65 Resp: 220175

Ion Ratio Lower Upper

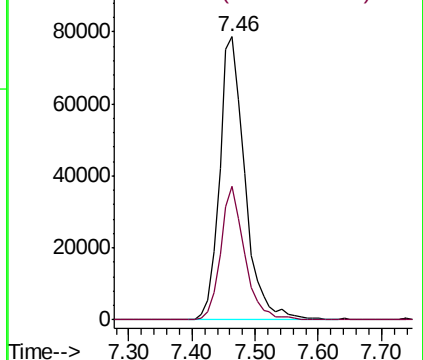
65 100

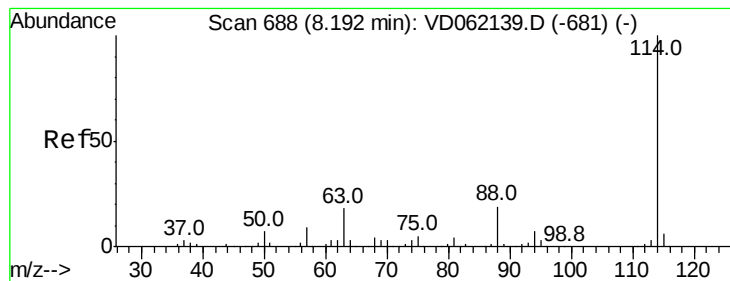
67 47.0 0.0 98.0



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. 0.04 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

RO-COMP-1

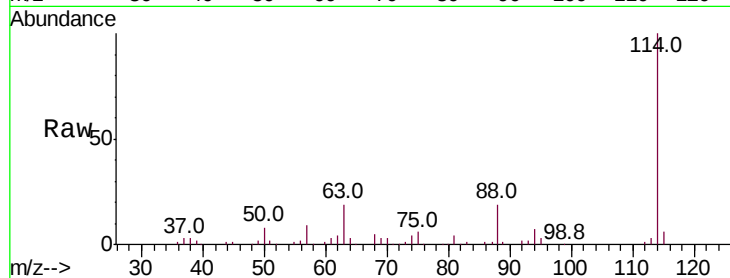
Tot Ion:114 Resp: 647690

Ion Ratio Lower Upper

114 100

63 19.2 0.0 32.4

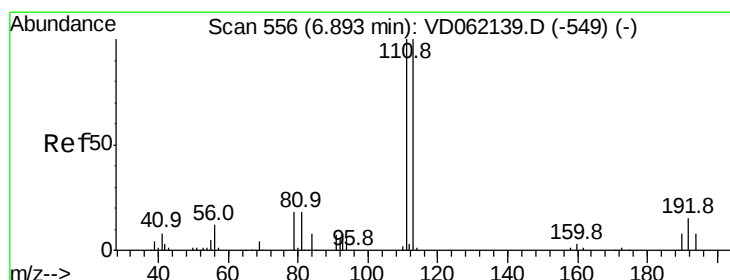
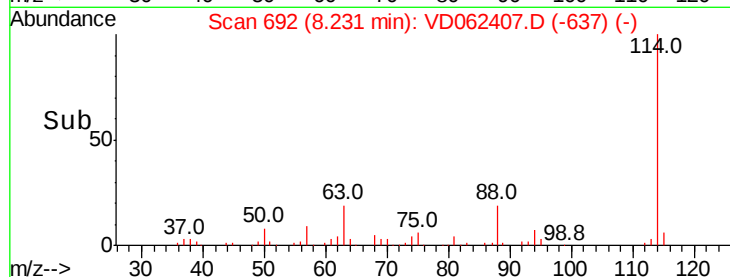
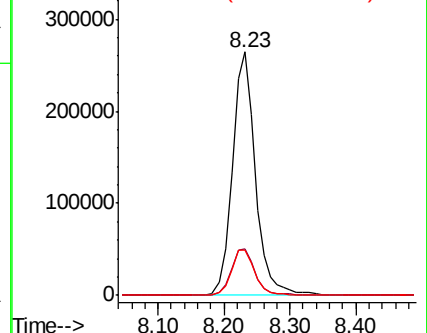
88 18.7 0.0 33.6



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: 47.556 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

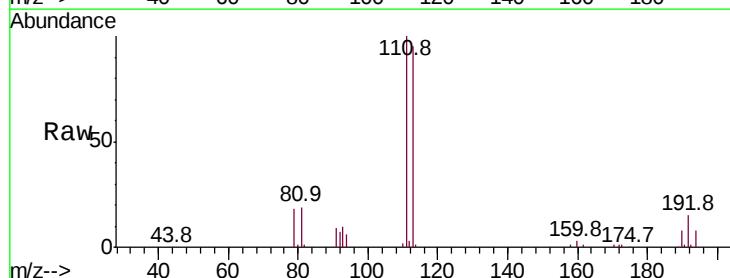
Tgt Ion:113 Resp: 255566

Ion Ratio Lower Upper

113 100

111 105.7 78.5 117.7

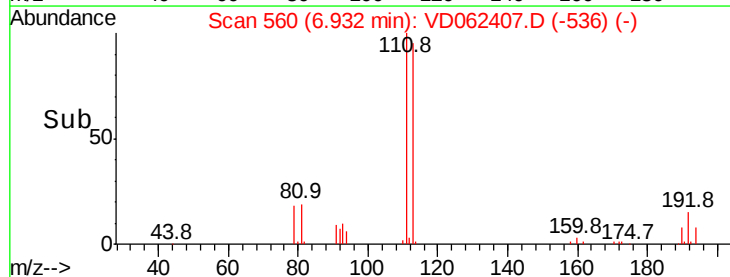
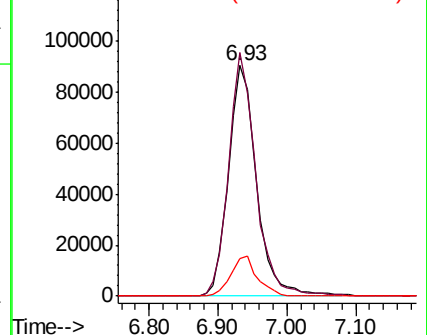
192 16.0 13.0 19.4

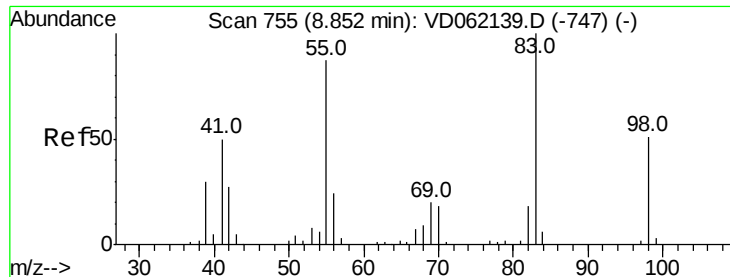


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

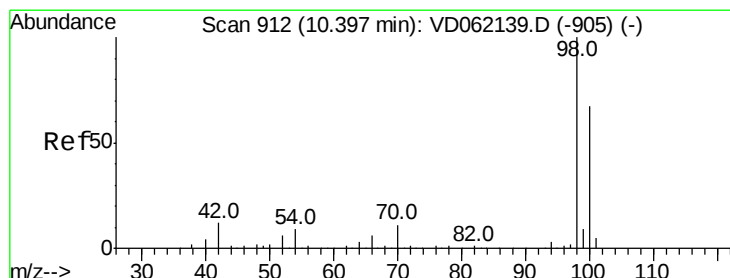
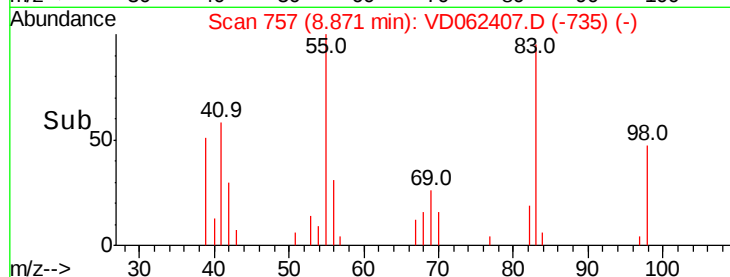
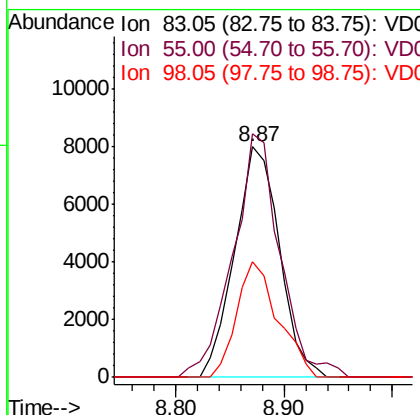
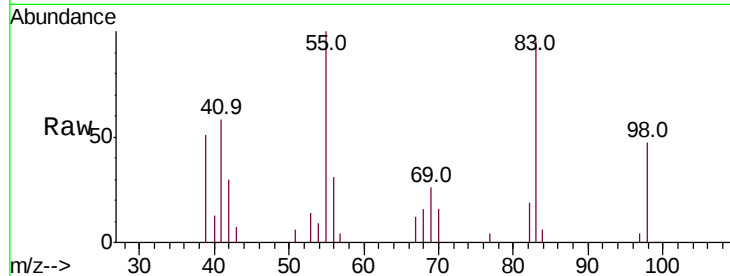




#39
Methvlcvclohexane
Concen: 4.528 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062407.D
Acq: 16 May 2019 00:03

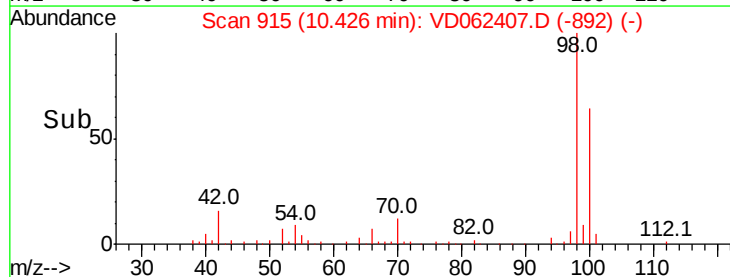
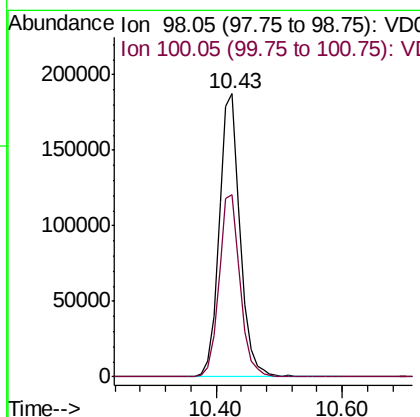
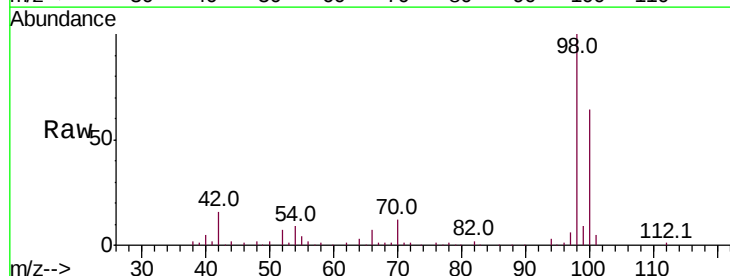
Instrument :
MSVOA_D
ClientSampleId :
RO-COMP-1

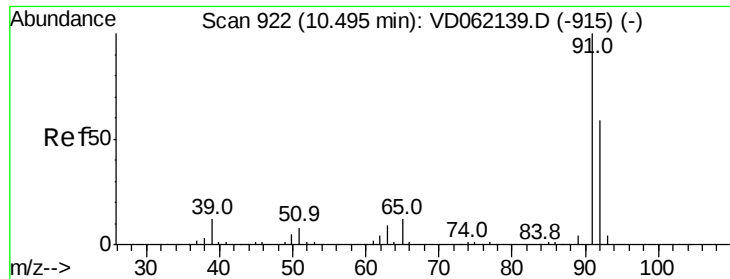
Tot Ion: 83 Resp: 23040
Ion Ratio Lower Upper
83 100
55 105.6 68.2 102.4#
98 50.1 38.2 57.4



#50
Toluene-d8
Concen: 33.368 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062407.D
Acq: 16 May 2019 00:03

Tgt Ion: 98 Resp: 432352
Ion Ratio Lower Upper
98 100
100 64.2 53.8 80.8





#52

Toluene

Concen: 2.621 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

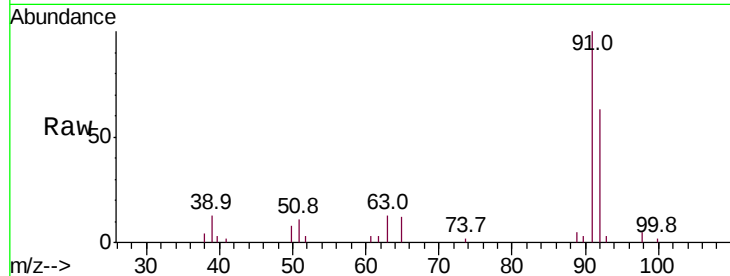
RO-COMP-1

Tot Ion: 92 Resp: 20448

Ion Ratio Lower Upper

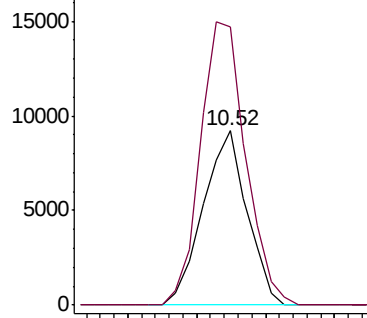
92 100

91 159.5 136.6 204.8

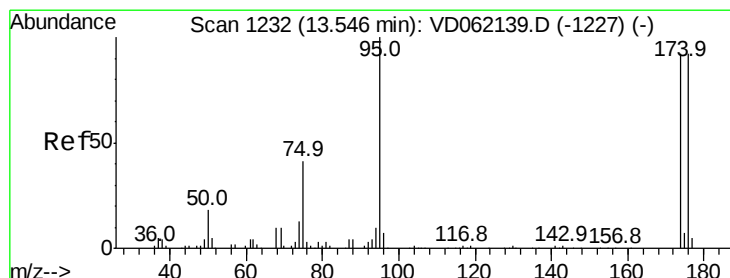
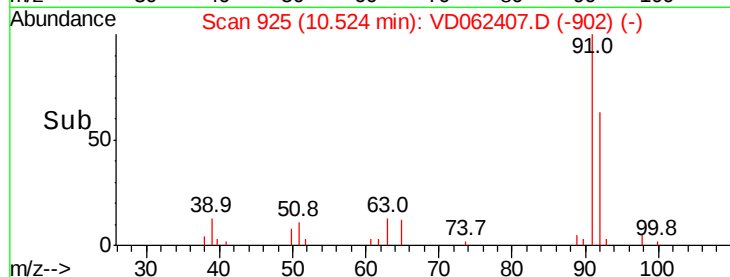


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 28.646 ug/l m

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

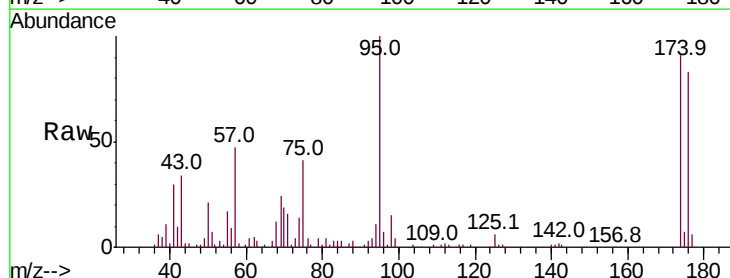
Tgt Ion: 95 Resp: 149049

Ion Ratio Lower Upper

95 100

174 91.1 0.0 181.8

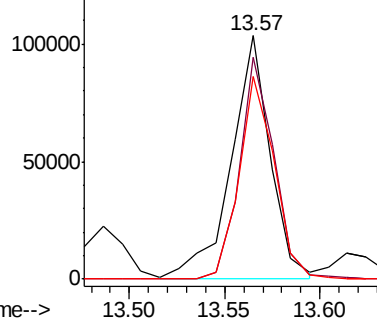
176 83.4 0.0 174.4



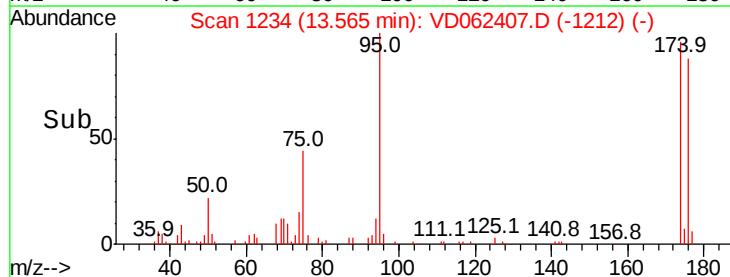
Abundance Ion 95.00 (94.70 to 95.70): VDC

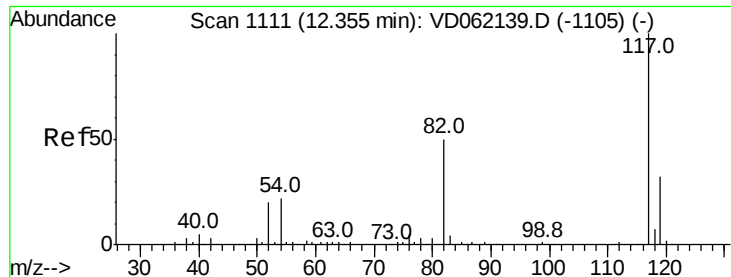
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

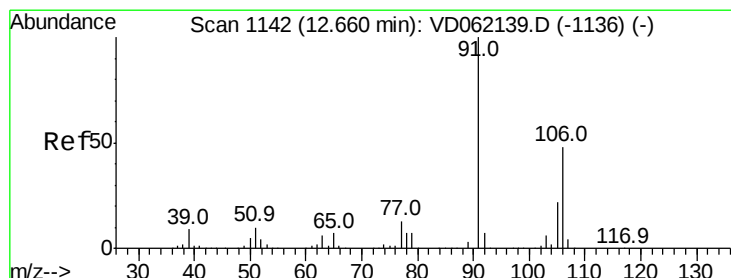
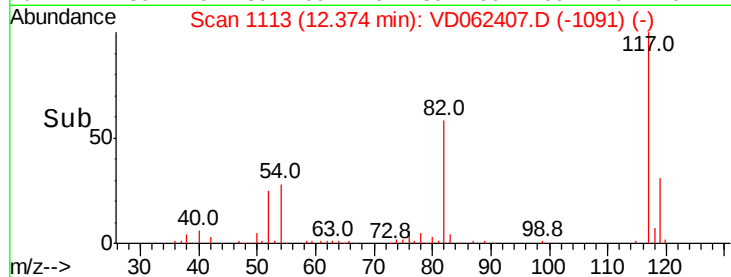
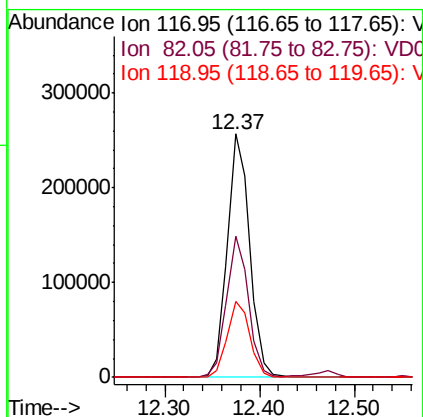
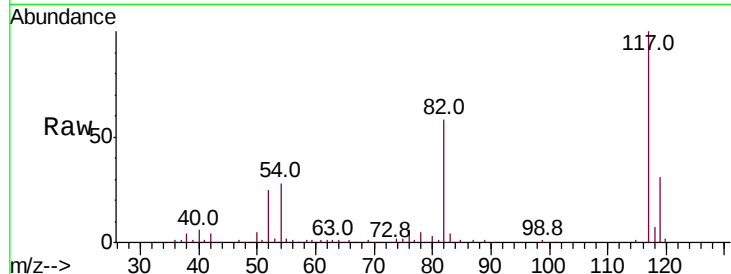




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062407.D
Acq: 16 May 2019 00:03

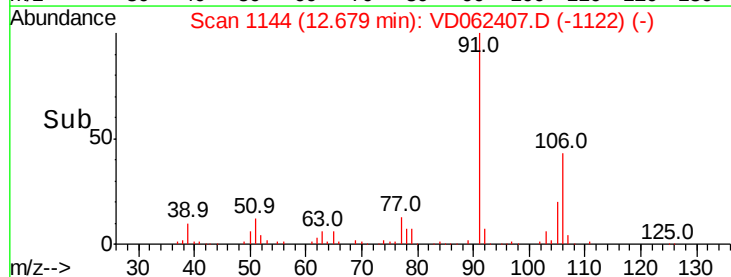
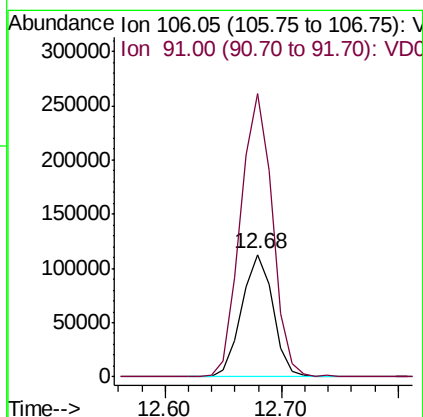
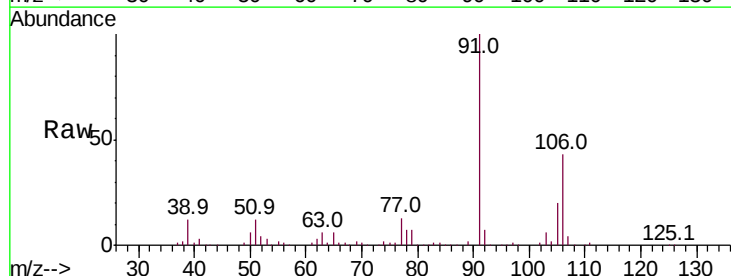
Instrument :
MSVOA_D
ClientSampleId :
RO-COMP-1

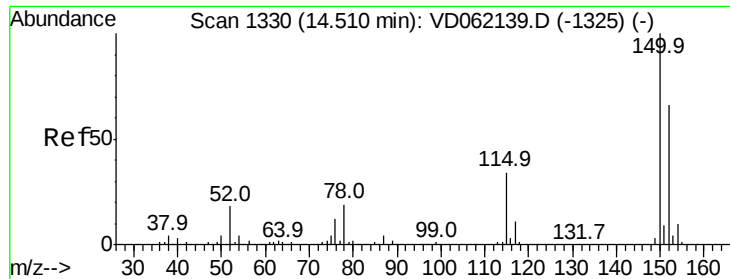
Tot Ion:117 Resp: 419235
Ion Ratio Lower Upper
117 100
82 58.0 36.2 54.2#
119 31.4 26.2 39.4



#68
m/p-Xylenes
Concen: 44.155 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062407.D
Acq: 16 May 2019 00:03

Tgt Ion:106 Resp: 210004
Ion Ratio Lower Upper
106 100
91 231.5 164.0 246.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

RO-COMP-1

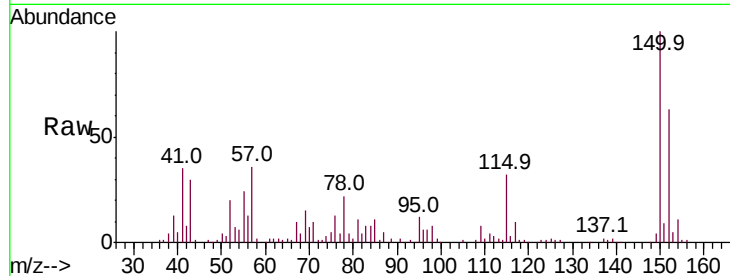
Tot Ion:152 Resp: 108176

Ion Ratio Lower Upper

152 100

115 51.2 30.9 92.7

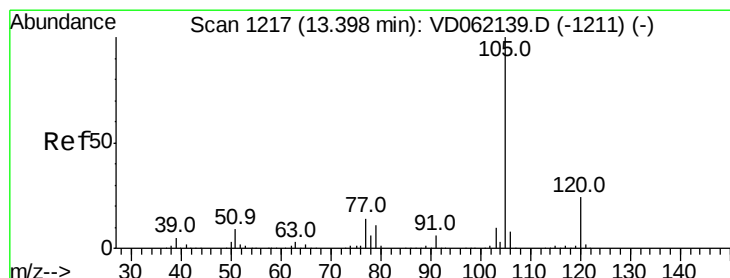
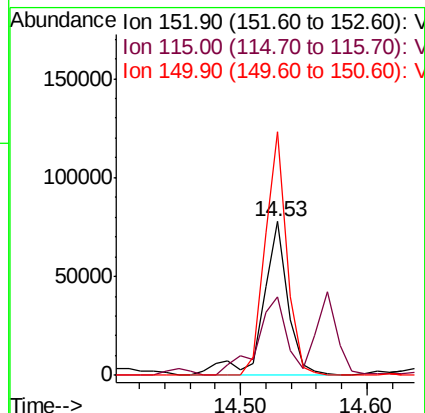
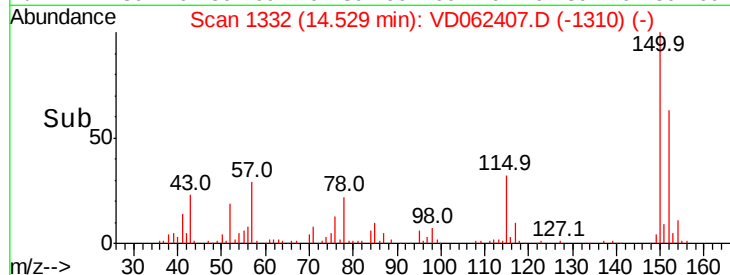
150 158.7 0.0 314.8



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



#73

Isopropylbenzene

Concen: 11.661 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062407.D

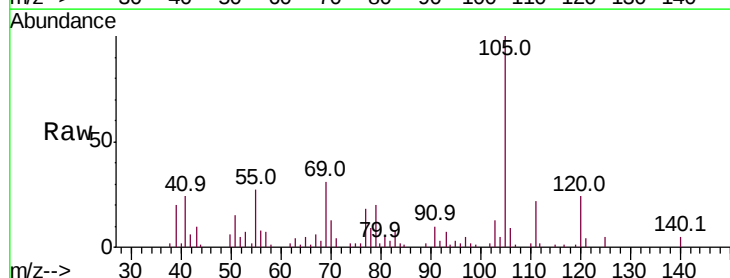
Acq: 16 May 2019 00:03

Tgt Ion:105 Resp: 75615

Ion Ratio Lower Upper

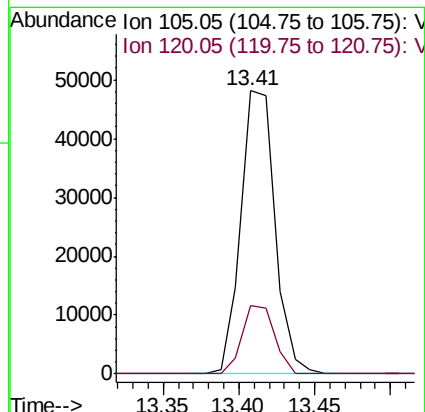
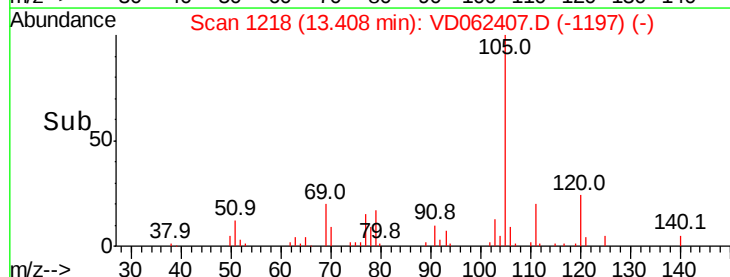
105 100

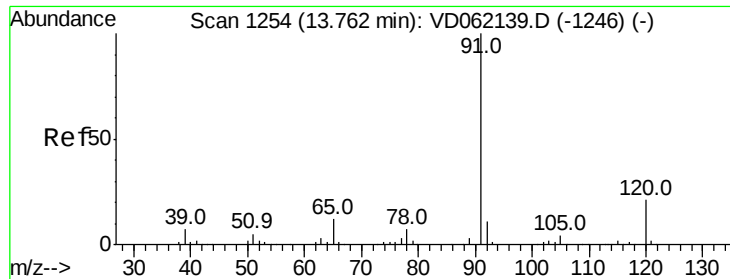
120 24.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 29.485 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062407.D

Acq: 16 May 2019 00:03

Instrument :

MSVOA_D

ClientSampleId :

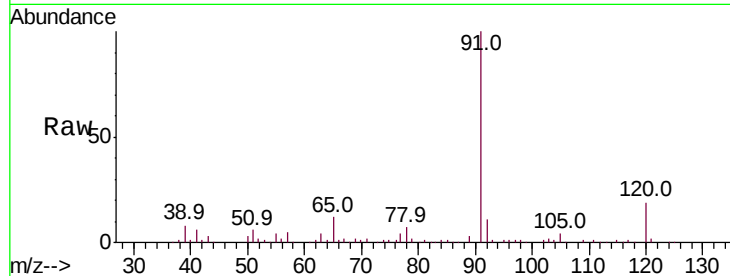
RO-COMP-1

Tot Ion: 91 Resp: 228071

Ion Ratio Lower Upper

91 100

120 18.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.78

200000

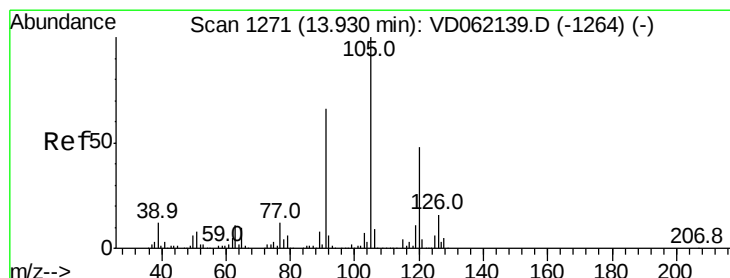
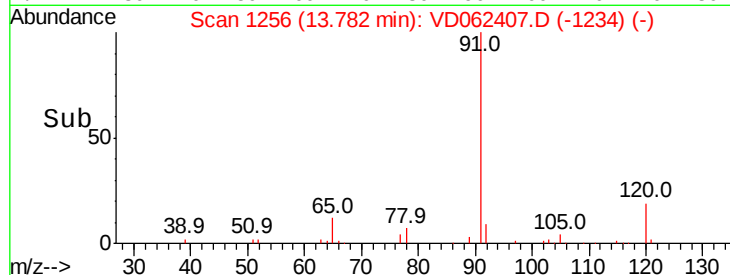
150000

100000

50000

0

Time--> 13.70 13.75 13.80 13.85



#80

1,3,5-Trimethylbenzene

Concen: 84.782 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062407.D

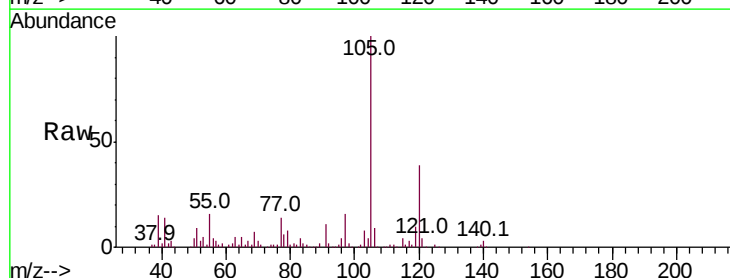
Acq: 16 May 2019 00:03

Tgt Ion:105 Resp: 462943

Ion Ratio Lower Upper

105 100

120 38.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.94

400000

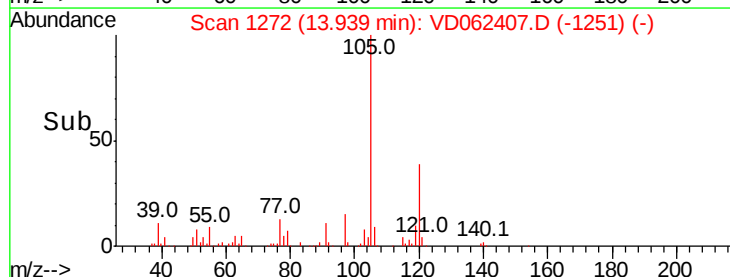
300000

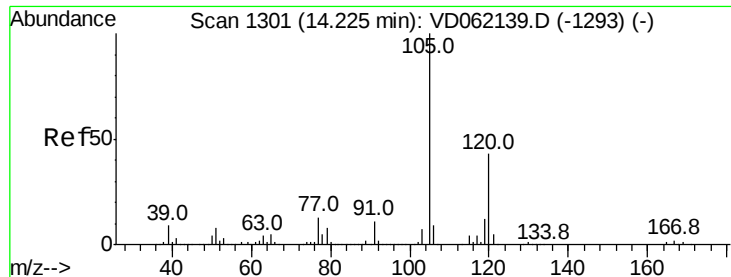
200000

100000

0

Time--> 13.90 13.95 14.00

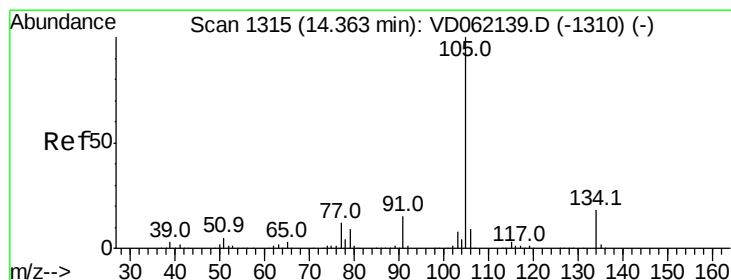
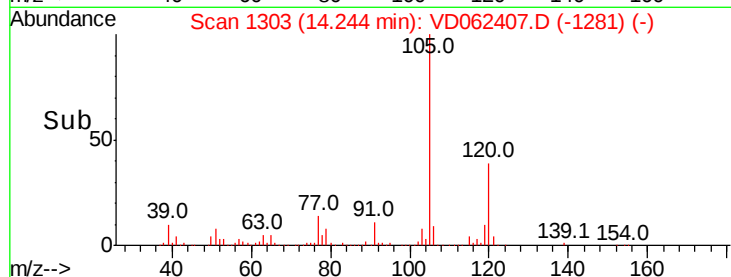
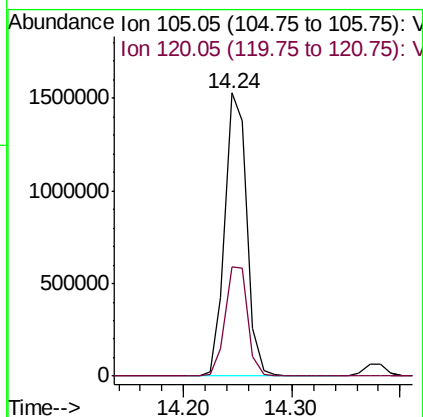
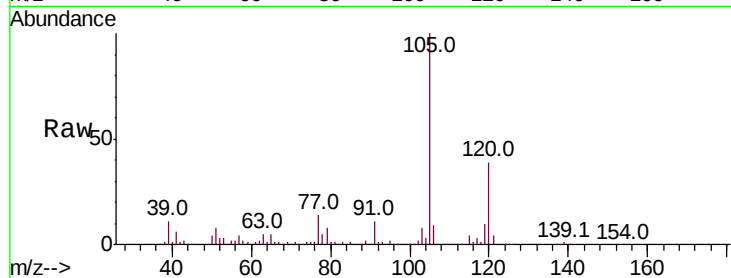




#84
 1,2,4-Trimethylbenzene
 Concen: 394.341 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062407.D
 Acq: 16 May 2019 00:03

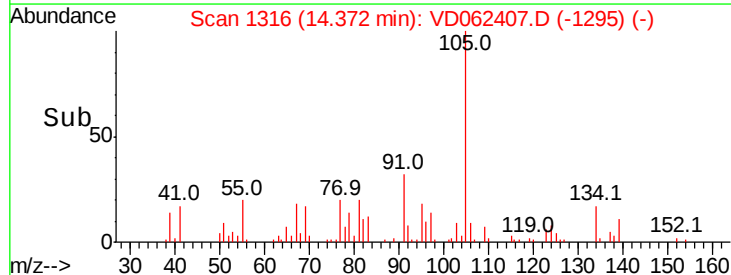
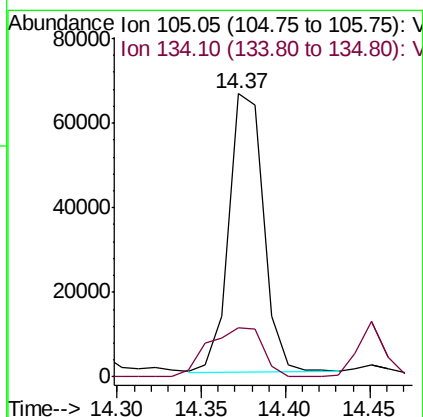
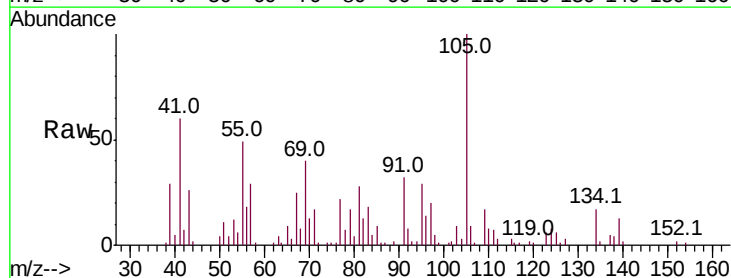
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-COMP-1

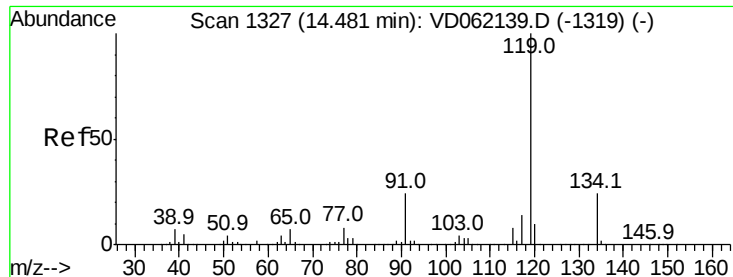
Tot Ion:105 Resp: 2160793
 Ion Ratio Lower Upper
 105 100
 120 38.8 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 14.077 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062407.D
 Acq: 16 May 2019 00:03

Tgt Ion:105 Resp: 94726
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.9 26.7

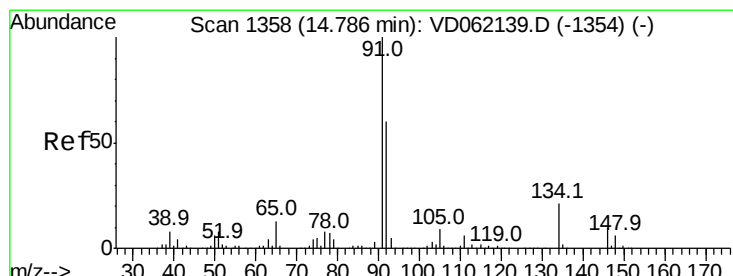
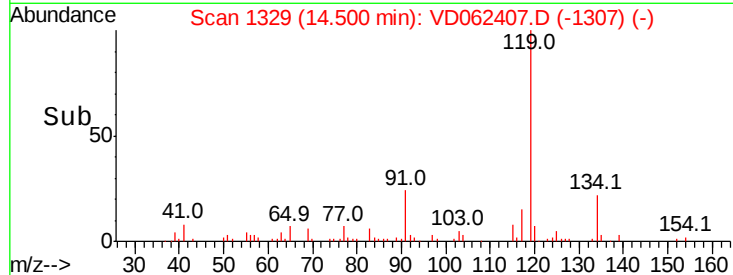
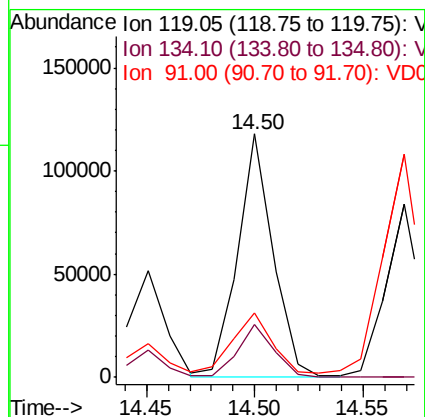
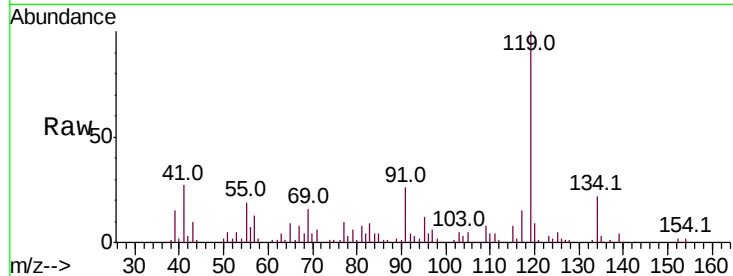




#86
 p-Isopropyltoluene
 Concen: 22.363 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062407.D
 Acq: 16 May 2019 00:03

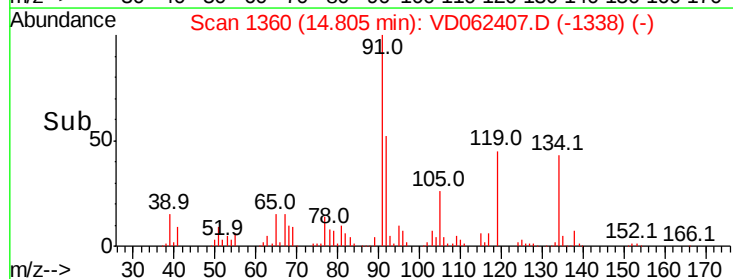
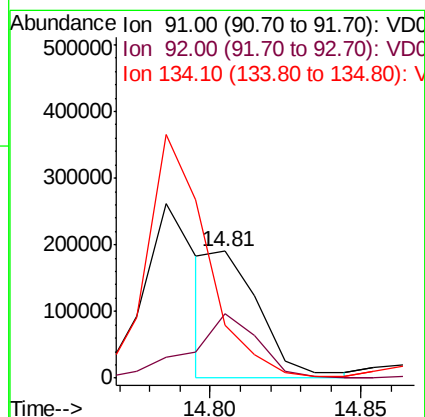
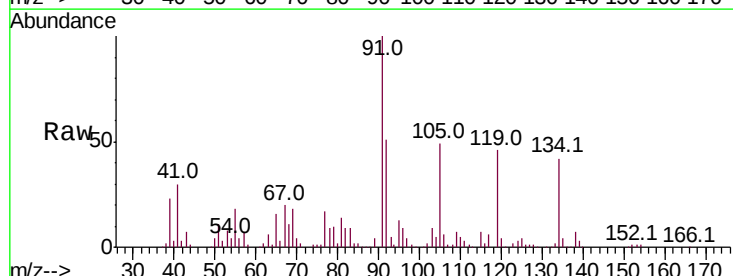
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-COMP-1

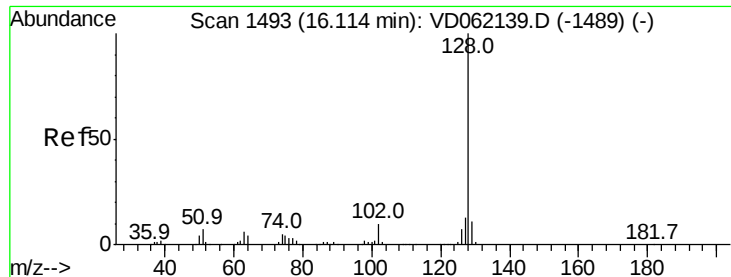
Tot Ion:	119	Resp:	134449
Ion	Ratio	Lower	Upper
119	100		
134	21.7	12.8	38.3
91	26.5	10.7	32.1



#89
 n-Butylbenzene
 Concen: 39.137 ug/l m
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062407.D
 Acq: 16 May 2019 00:03

Tgt Ion:	91	Resp:	211193
Ion	Ratio	Lower	Upper
91	100		
92	50.9	30.3	91.0
134	42.1	14.5	43.6





#95
Naphthalene
Concen: 391.324 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062407.D
Acq: 16 May 2019 00:03

Instrument :
MSVOA_D
ClientSampleId :
RO-COMP-1

Tot Ion:128 Resp: 1085962
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 11.0 8.8 13.2

