

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063295.D
 Acq On : 1 Aug 2019 16:29
 Operator : VA/AP
 Sample : K4120-05
 Misc : 5.29g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T2-2

Quant Time: Aug 02 08:07:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	833345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1143083	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	765355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	209680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	378461	40.93	ug/l	0.00
Spiked Amount			Recovery	=	81.86%	
35) Dibromofluoromethane	6.92	113	410575	42.07	ug/l	0.01
Spiked Amount			Recovery	=	84.14%	
50) Toluene-d8	10.41	98	760135	34.80	ug/l	0.00
Spiked Amount			Recovery	=	69.60%	
62) 4-Bromofluorobenzene	13.55	95	198030	19.90	ug/l	0.00
Spiked Amount			Recovery	=	39.80%	

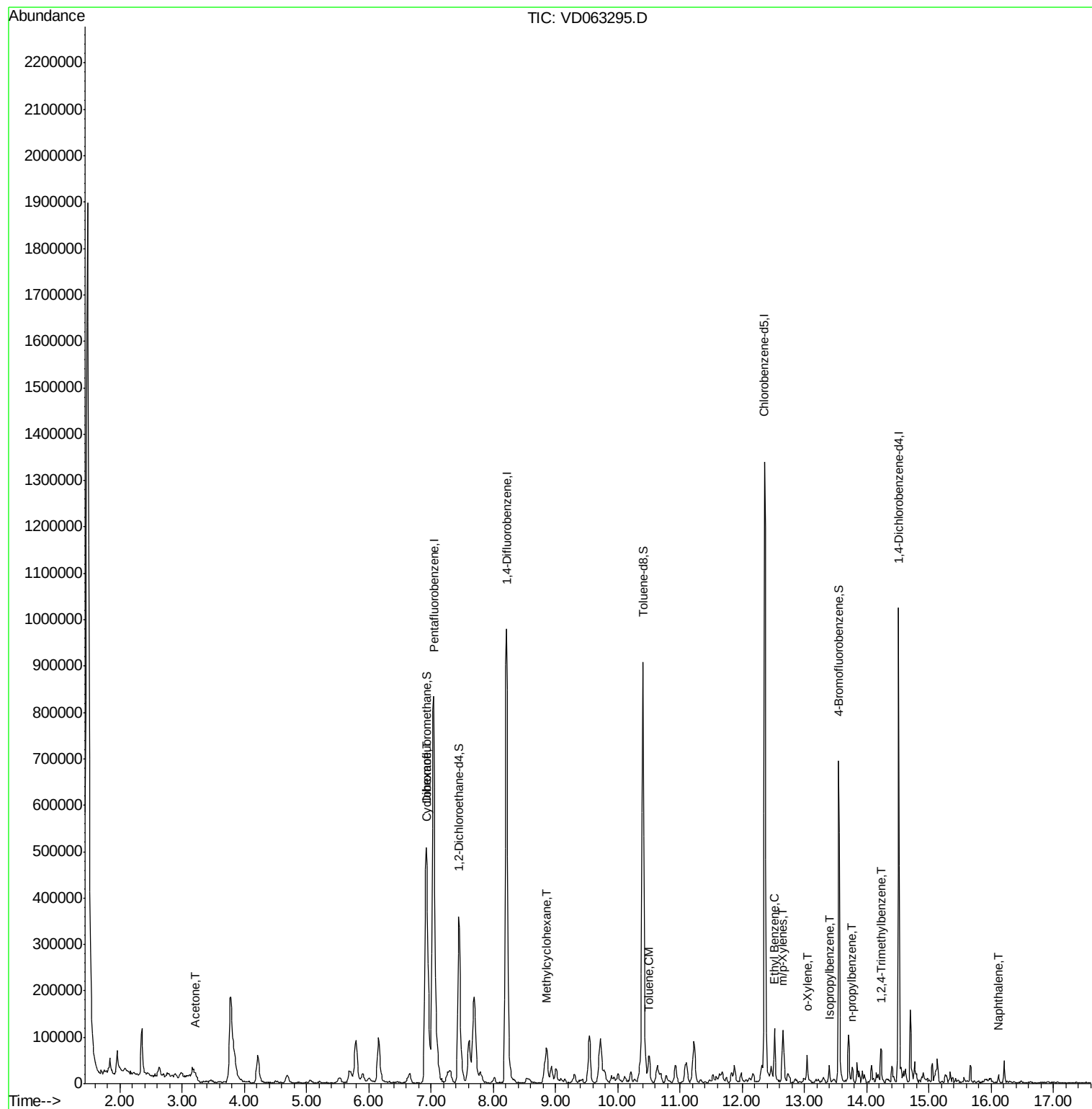
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	50540	28.052	ug/l #	85
31) Cyclohexane	6.94	56	97567	11.846	ug/l	94
39) Methylcyclohexane	8.85	83	40071	4.610	ug/l #	88
52) Toluene	10.51	92	27650	1.901	ug/l #	75
67) Ethyl Benzene	12.51	91	78523	3.140	ug/l #	86
68) m/p-Xylenes	12.65	106	29115	3.175	ug/l	99
69) o-Xylene	13.05	106	12190	1.447	ug/l	87
73) Isopropylbenzene	13.40	105	19194	1.458	ug/l	94
78) n-propylbenzene	13.76	91	18850	1.204	ug/l	82
84) 1,2,4-Trimethylbenzene	14.24	105	31391	2.674	ug/l	98
95) Naphthalene	16.12	128	10558	1.628	ug/l #	91

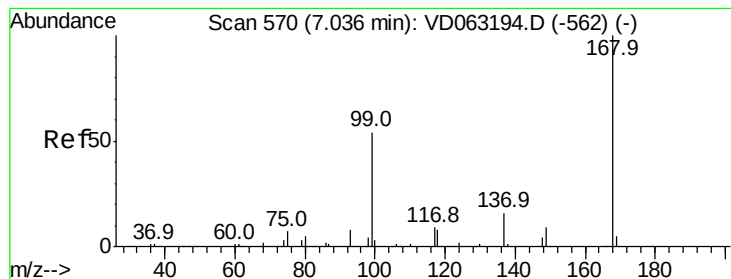
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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Acq On : 1 Aug 2019 16:29
Operator : VA/AP
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Misc : 5.29g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T2-2

Quant Time: Aug 02 08:07:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

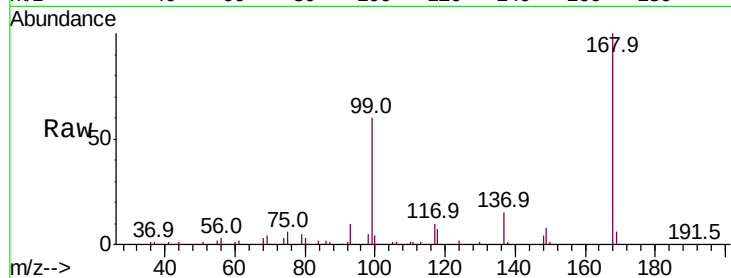
T2-2

Tot Ion:168 Resp: 833345

Ion Ratio Lower Upper

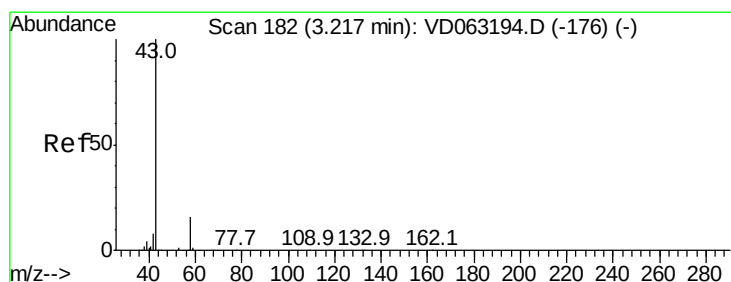
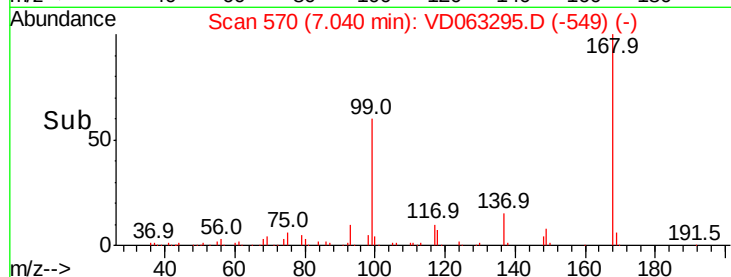
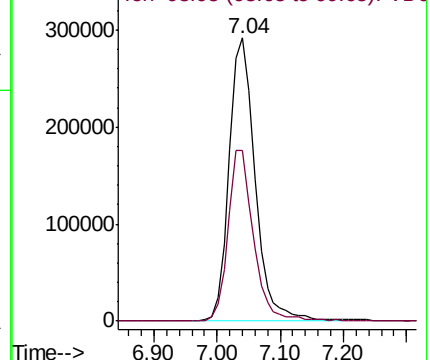
168 100

99 60.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 28.052 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063295.D

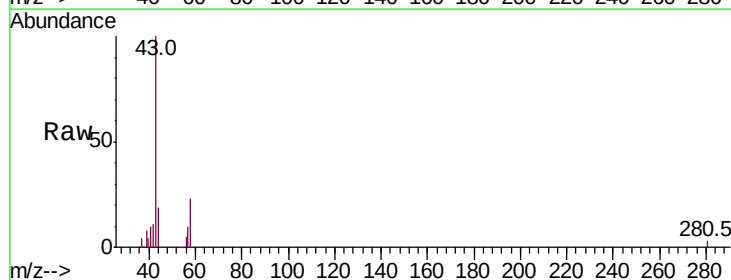
Acq: 1 Aug 2019 16:29

Tgt Ion: 43 Resp: 50540

Ion Ratio Lower Upper

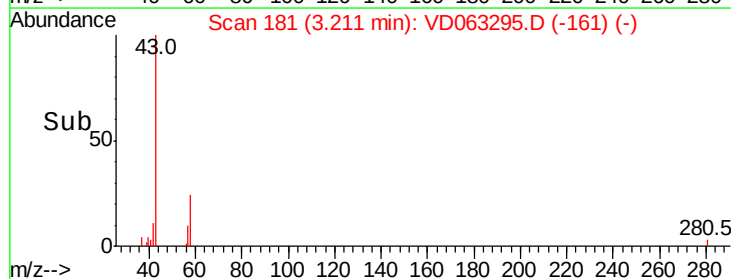
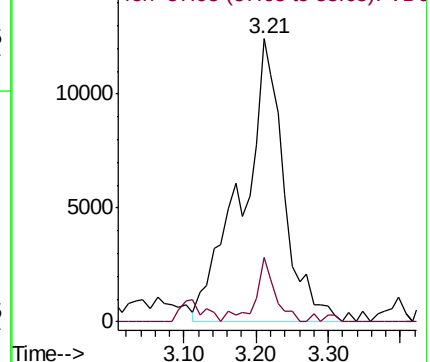
43 100

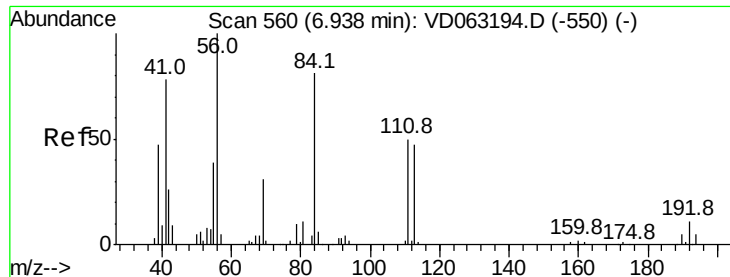
58 22.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#31

Cyclohexane

Concen: 11.846 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

T2-2

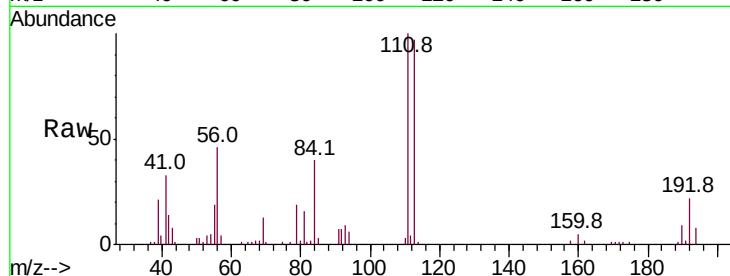
Tot Ion: 56 Resp: 97567

Ion Ratio Lower Upper

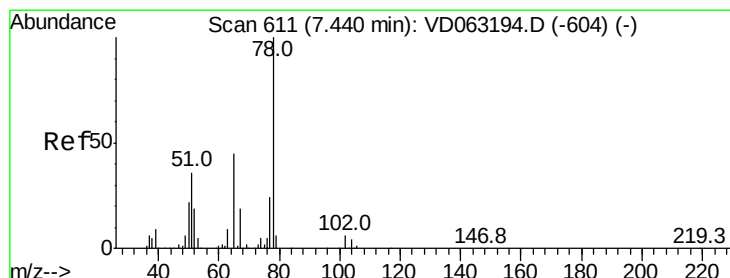
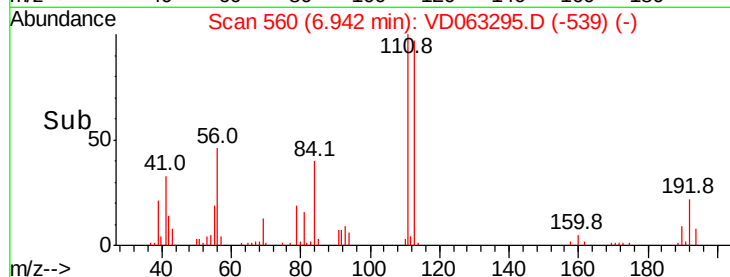
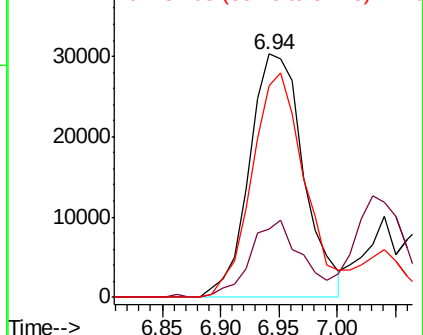
56 100

69 27.8 24.5 36.7

84 87.0 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 40.929 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063295.D

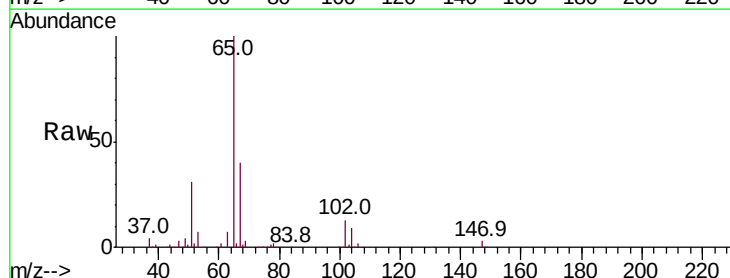
Acq: 1 Aug 2019 16:29

Tgt Ion: 65 Resp: 378461

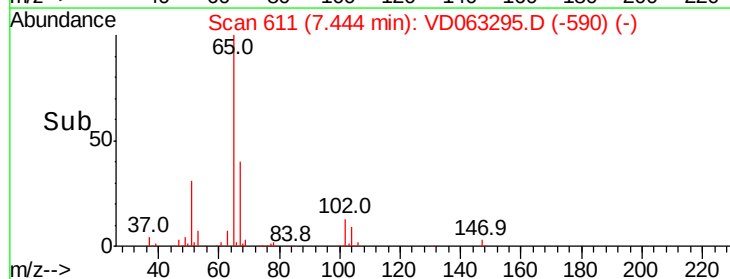
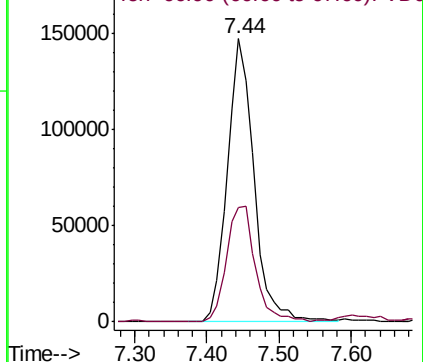
Ion Ratio Lower Upper

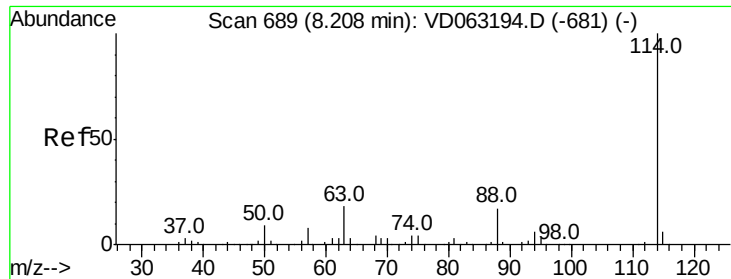
65 100

67 40.3 0.0 85.8



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



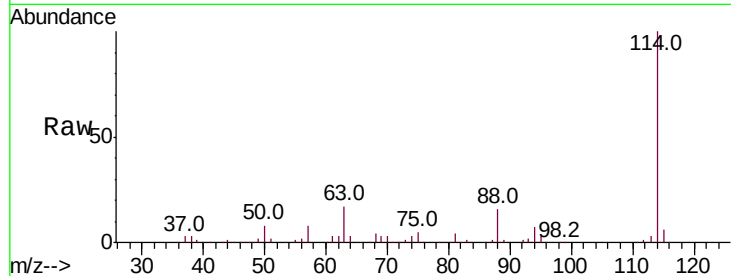


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063295.D
 Acq: 1 Aug 2019 16:29

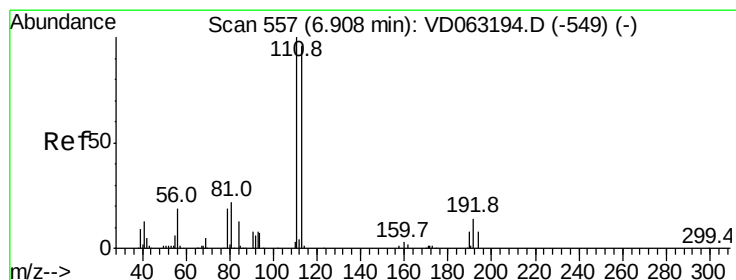
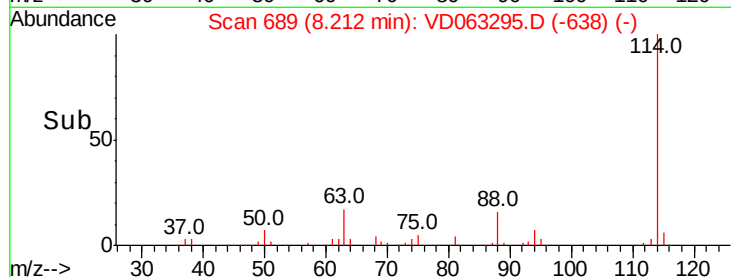
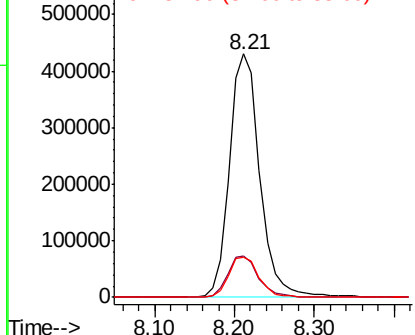
Instrument :
 MSVOA_D
 ClientSampleId :
 T2-2

Tot Ion:114 Resp: 1143083

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	35.2
88	16.4	0.0	34.6



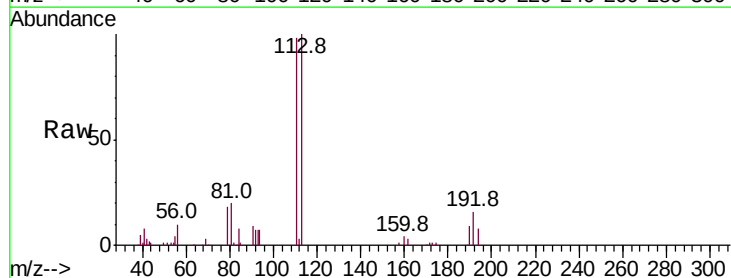
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



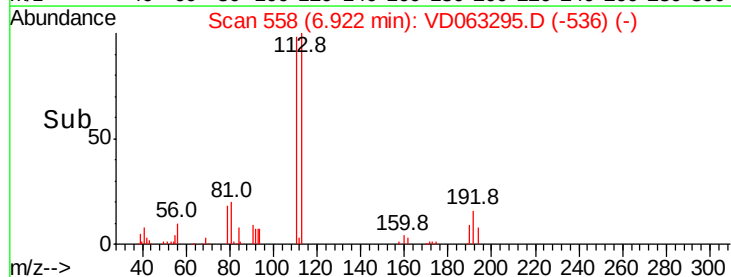
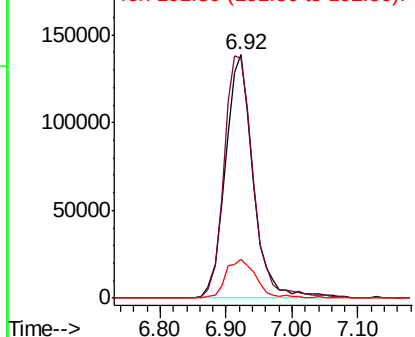
#35
 Dibromofluoromethane
 Concen: 42.069 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063295.D
 Acq: 1 Aug 2019 16:29

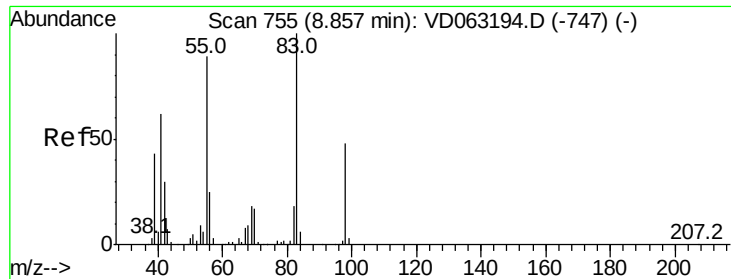
Tgt Ion:113 Resp: 410575

Ion	Ratio	Lower	Upper
113	100		
111	98.2	83.2	124.8
192	16.2	11.8	17.8



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

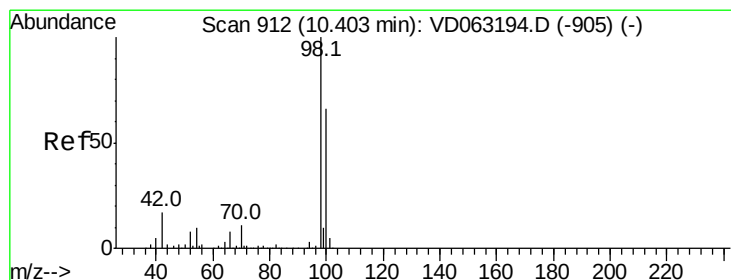
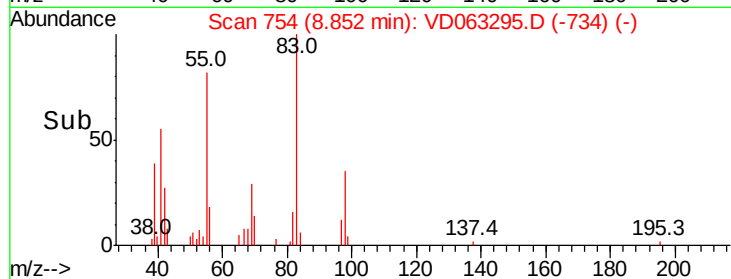
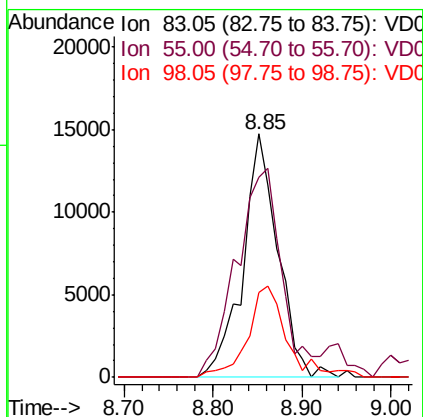
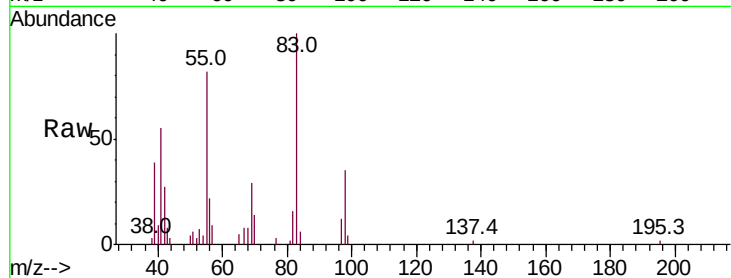




#39
Methylcyclohexane
Concen: 4.610 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

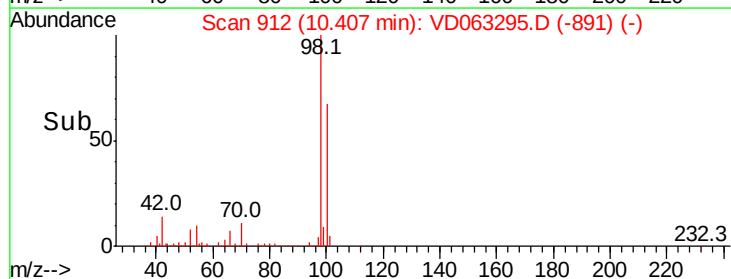
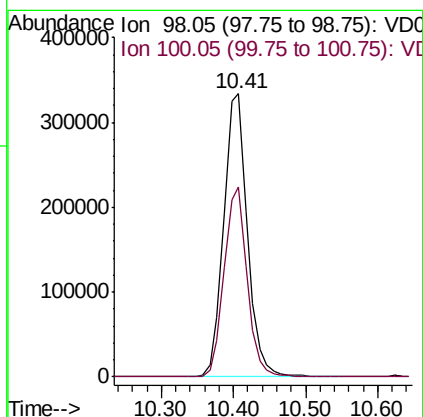
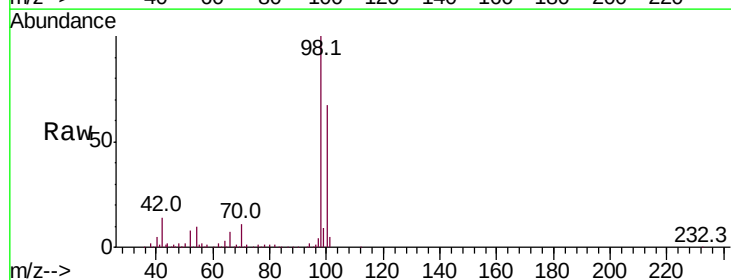
Instrument :
MSVOA_D
ClientSampleId :
T2-2

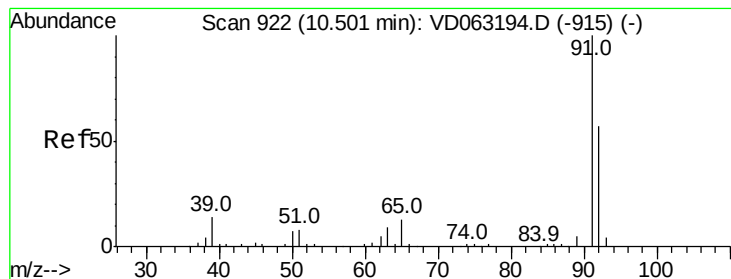
Tot Ion: 83 Resp: 40071
Ion Ratio Lower Upper
83 100
55 82.3 71.1 106.7
98 34.7 38.5 57.7#



#50
Toluene-d8
Concen: 34.802 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Tgt Ion: 98 Resp: 760135
Ion Ratio Lower Upper
98 100
100 67.1 53.2 79.8





#52

Toluene

Concen: 1.901 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

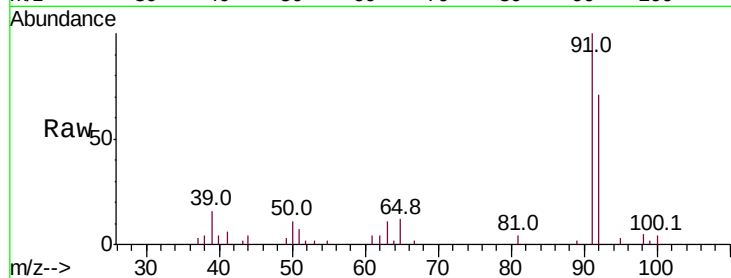
T2-2

Tot Ion: 92 Resp: 27650

Ion Ratio Lower Upper

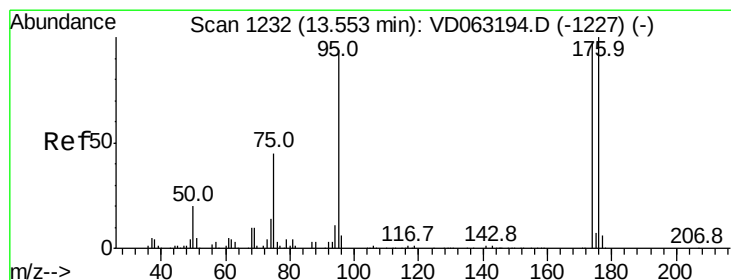
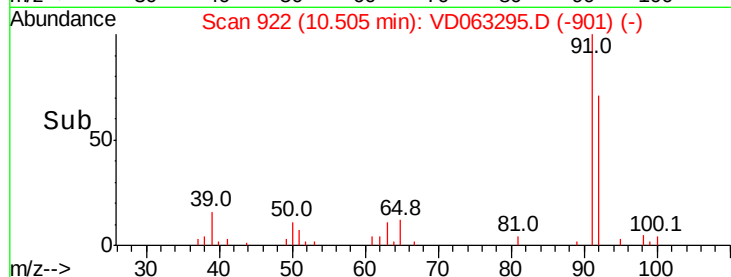
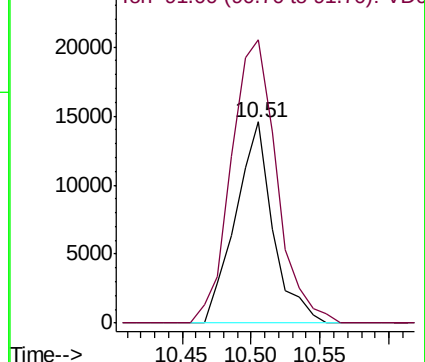
92 100

91 140.5 140.8 211.2#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 19.896 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

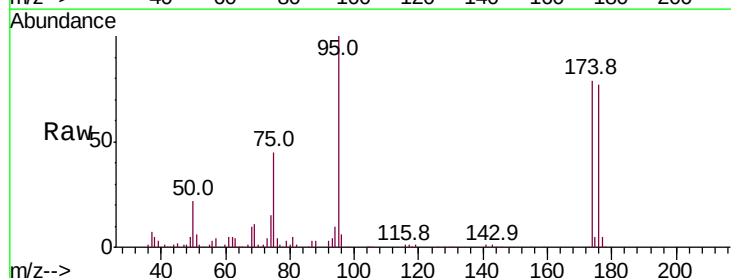
Tgt Ion: 95 Resp: 198030

Ion Ratio Lower Upper

95 100

174 78.9 0.0 205.4

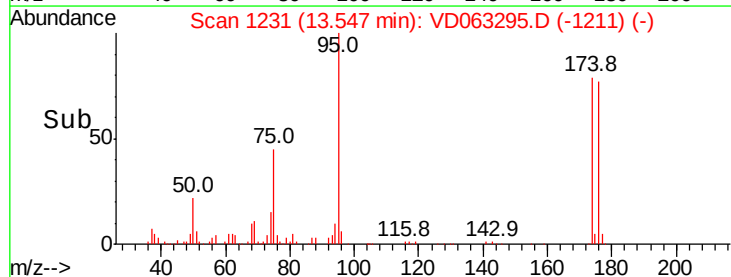
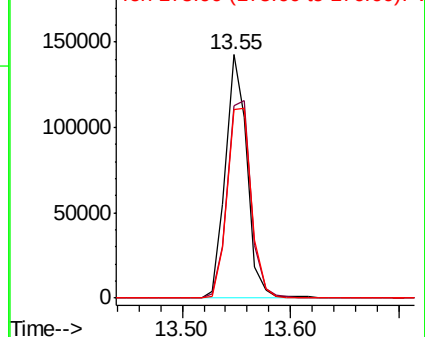
176 77.3 0.0 211.8

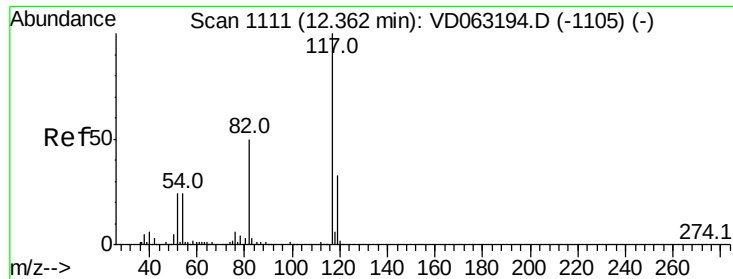


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

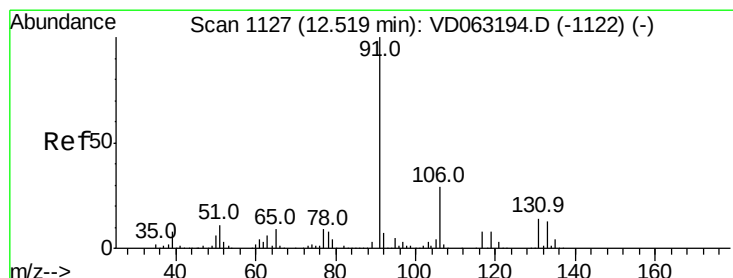
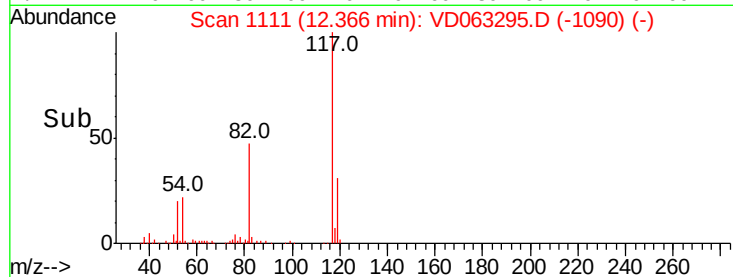
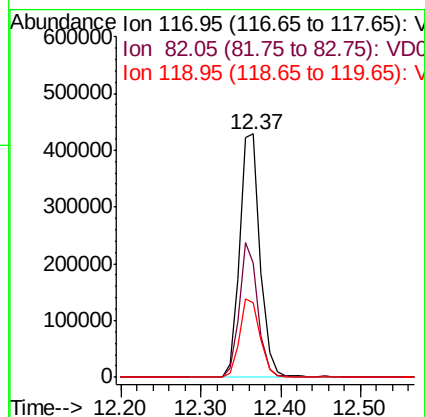
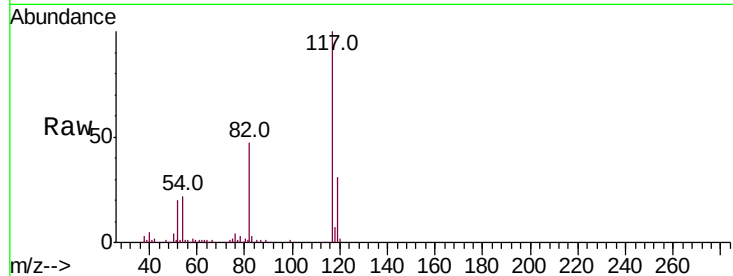




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

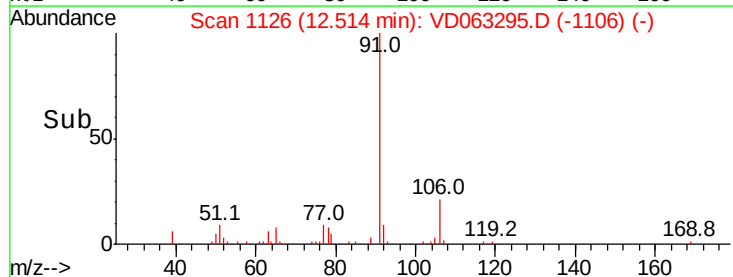
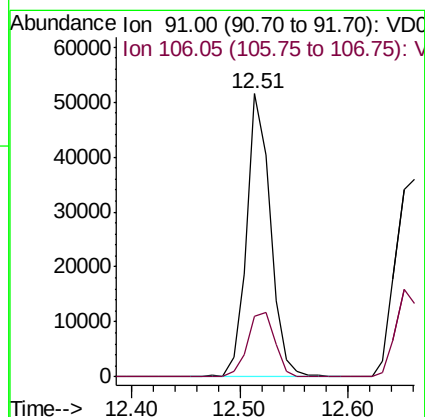
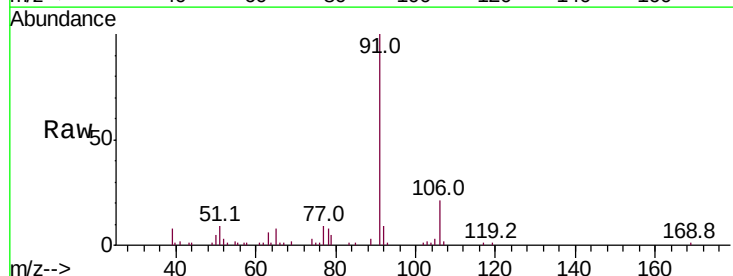
Instrument :
MSVOA_D
ClientSampled :
T2-2

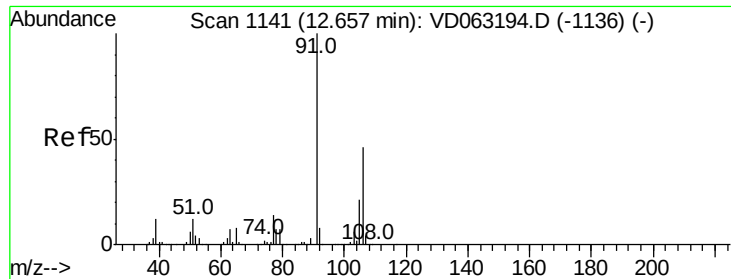
Tot Ion:117 Resp: 765355
Ion Ratio Lower Upper
117 100
82 47.2 40.1 60.1
119 30.8 26.5 39.7



#67
Ethyl Benzene
Concen: 3.140 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Tgt Ion: 91 Resp: 78523
Ion Ratio Lower Upper
91 100
106 21.3 22.9 34.3#

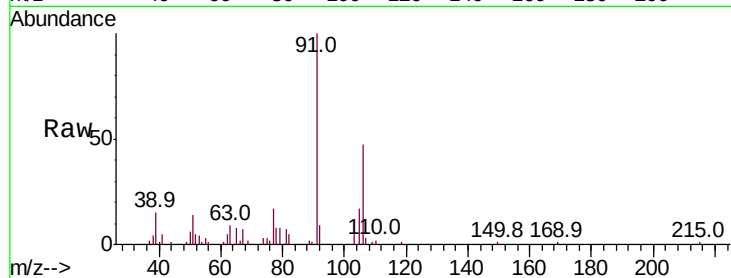




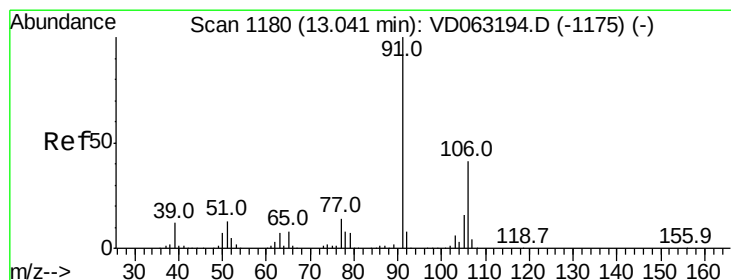
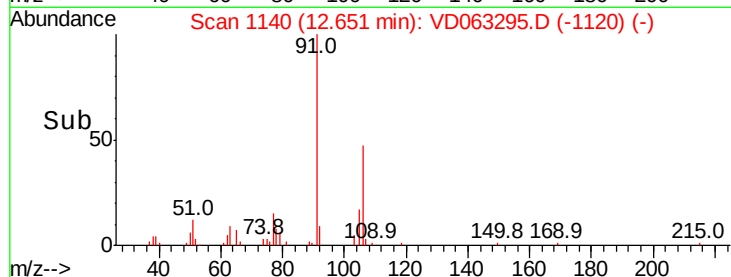
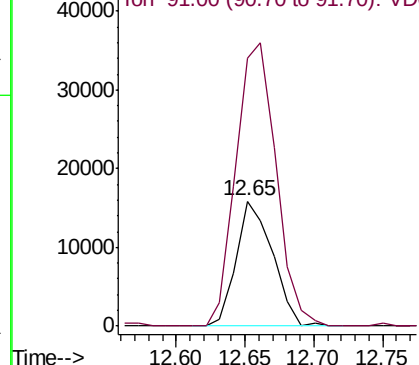
#68
m/p-Xylenes
Concen: 3.175 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Instrument :
MSVOA_D
ClientSampled :
T2-2

Tot Ion:106 Resp: 29115
Ion Ratio Lower Upper
106 100
91 214.4 172.6 259.0

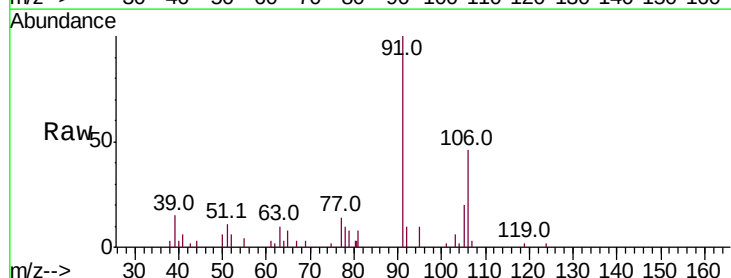


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

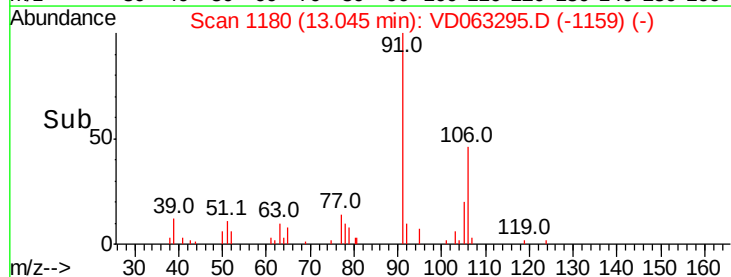
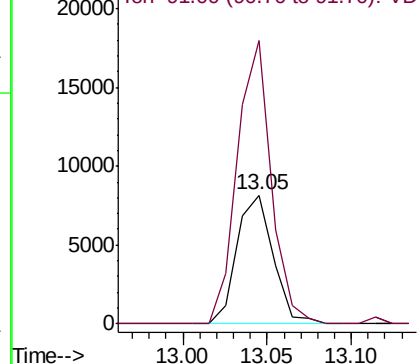


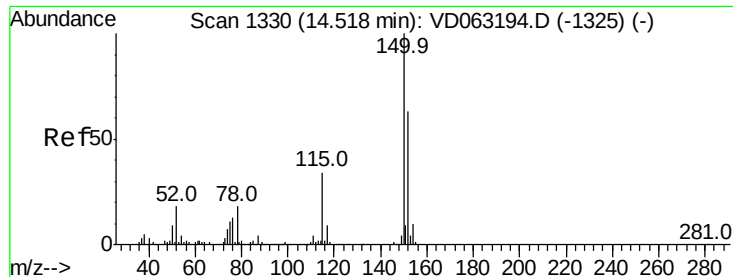
#69
o-Xylene
Concen: 1.447 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Tgt Ion:106 Resp: 12190
Ion Ratio Lower Upper
106 100
91 219.7 121.3 363.9



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



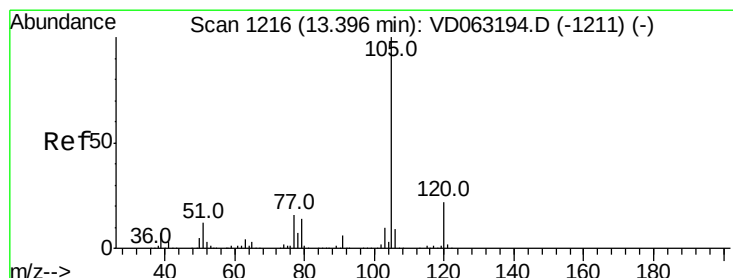
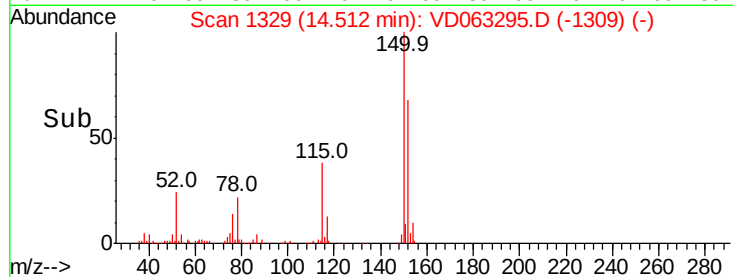
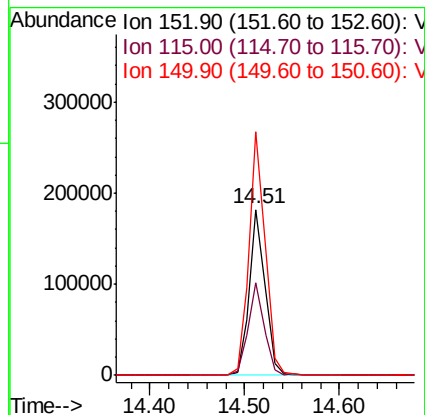
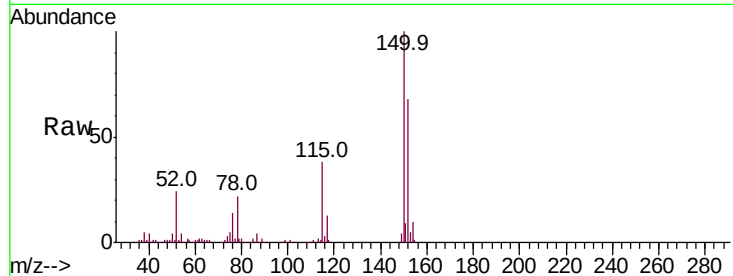


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Instrument :
MSVOA_D
ClientSampleId :
T2-2

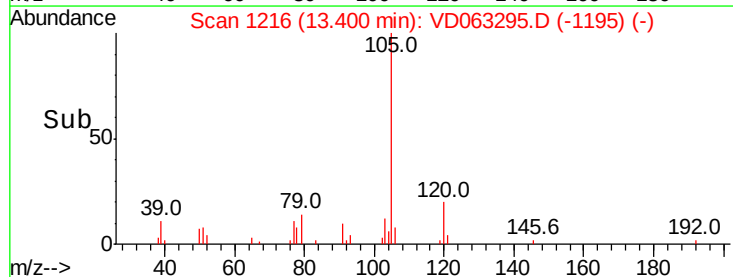
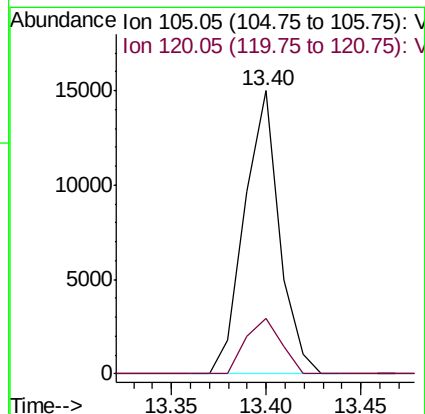
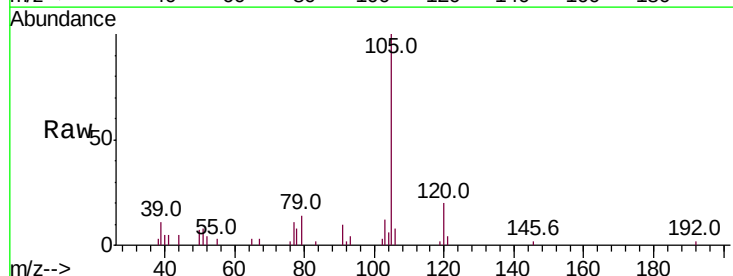
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.5	82.4
150	146.6	0.0	320.6

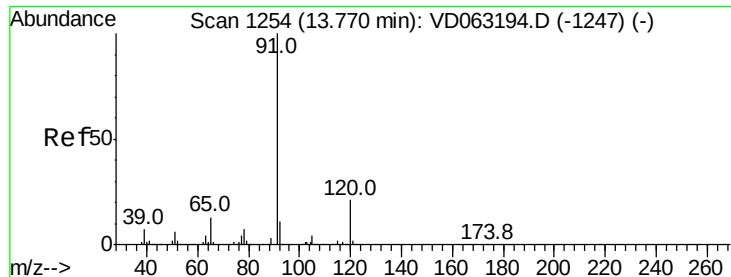


#73

Isopropylbenzene
Concen: 1.458 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD063295.D
Acq: 1 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	19.5	11.1	33.3





#78

n-propylbenzene

Concen: 1.204 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleID :

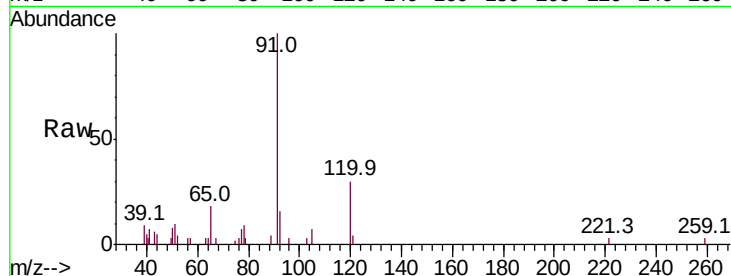
T2-2

Tot Ion: 91 Resp: 18850

Ion Ratio Lower Upper

91 100

120 30.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1247) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1247) (-)

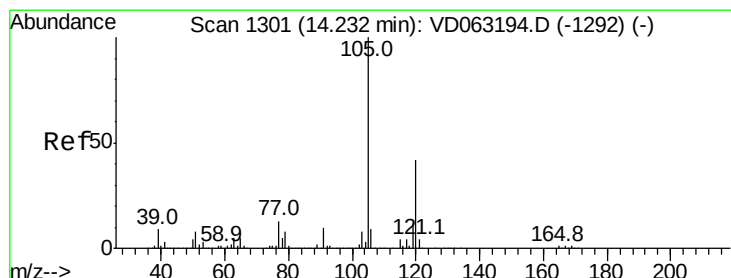
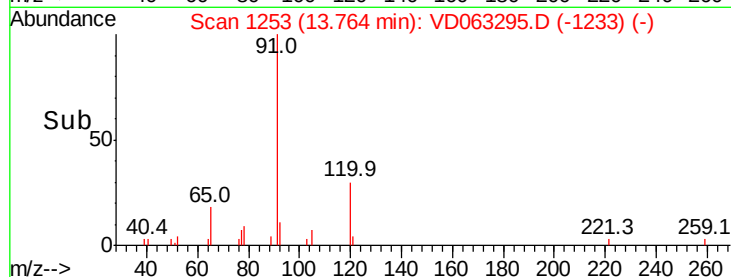
13.76

10000

5000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 2.674 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063295.D

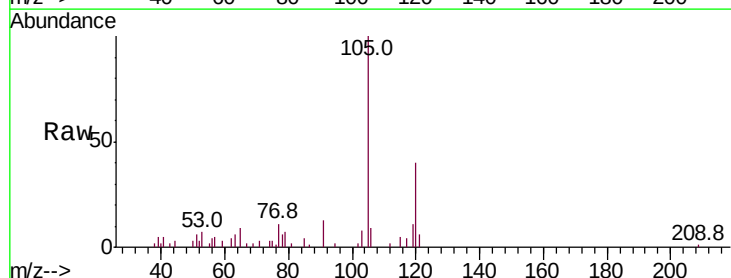
Acq: 1 Aug 2019 16:29

Tgt Ion:105 Resp: 31391

Ion Ratio Lower Upper

105 100

120 40.4 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1292) (-)

14.24

25000

20000

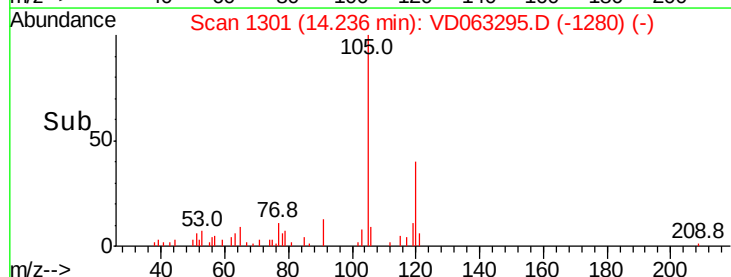
15000

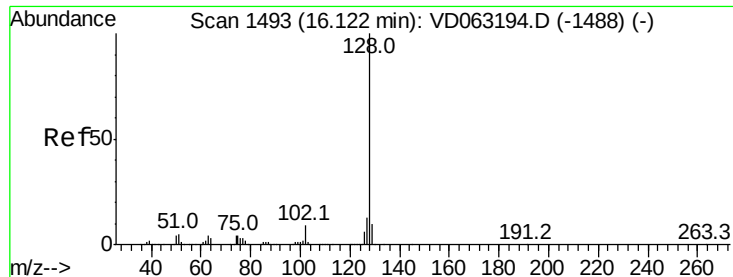
10000

5000

0

Time-->





#95

Naphthalene

Concen: 1.628 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD063295.D

Acq: 1 Aug 2019 16:29

Instrument :

MSVOA_D

ClientSampleId :

T2-2

Tot Ion:128 Resp: 10558

Ion Ratio Lower Upper

128 100

127 16.5 10.2 15.4#

129 13.2 7.8 11.8#

