

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063005.D
 Acq On : 2 Jul 2019 16:33
 Operator : VA/AP
 Sample : K3649-02RE
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

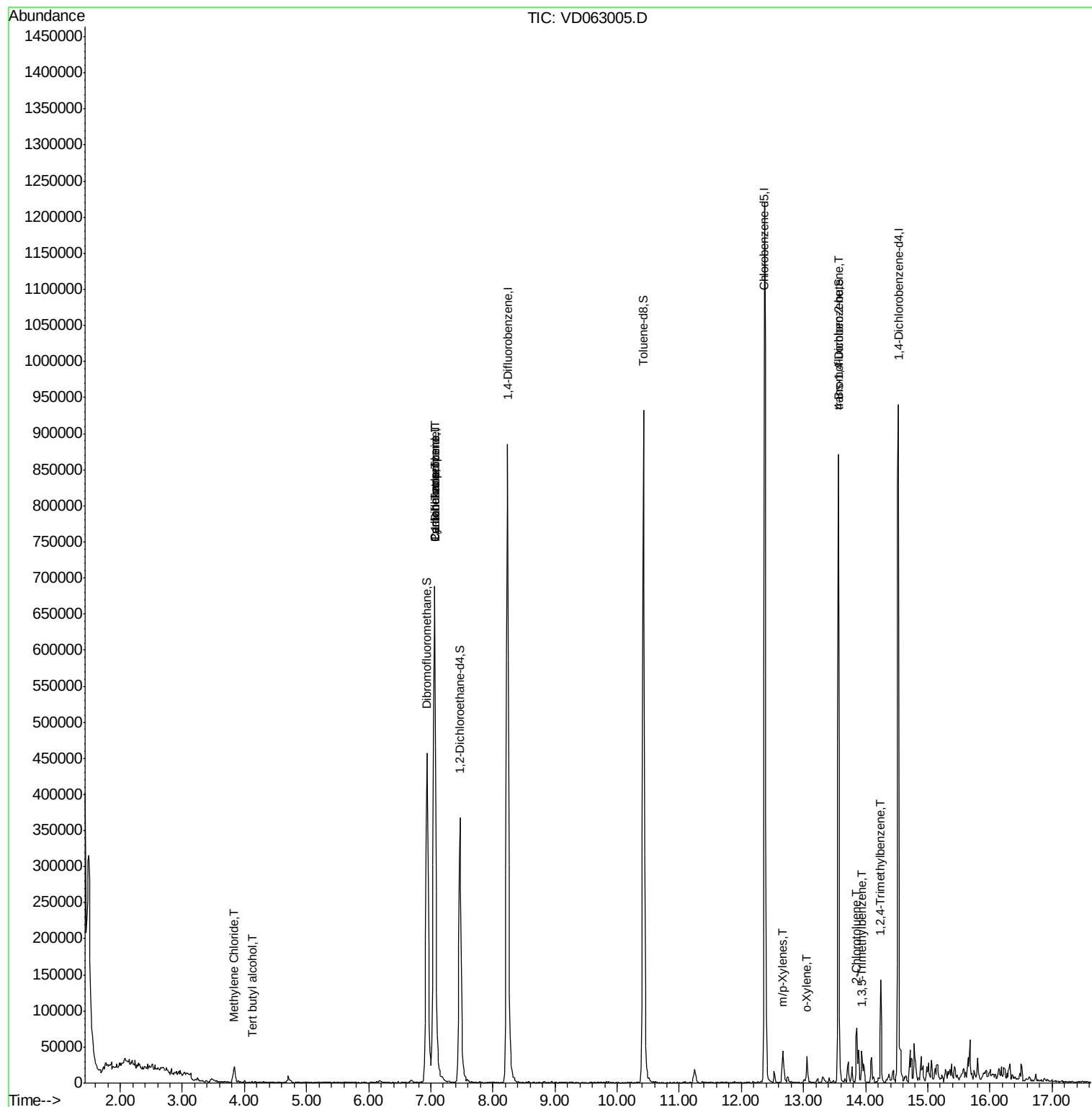
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	663321	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	976909	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	658934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	209912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	416928	57.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.64%	
35) Dibromofluoromethane	6.94	113	415983	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
50) Toluene-d8	10.42	98	715972	39.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.88%	
62) 4-Bromofluorobenzene	13.56	95	229644	28.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.11	59	439	1.337	ug/l #	77
16) Acetone	3.25	43	6639	Below Cal	#	64
20) Methylene Chloride	3.83	84	11624	2.114	ug/l #	84
31) Cyclohexane	7.06	56	16385	2.420	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	53304	5.764	ug/l #	57
37) Ethyl Acetate	6.18	43	201	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	71613	5.149	ug/l #	17
68) m/p-Xylenes	12.67	106	11715	1.532	ug/l	85
69) o-Xylene	13.05	106	7754	1.109	ug/l	84
79) 2-Chlorotoluene	13.85	91	9145	1.022	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.94	105	18055	1.597	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.56	75	102171	160.872	ug/l #	2
84) 1,2,4-Trimethylbenzene	14.24	105	60057	5.183	ug/l	97

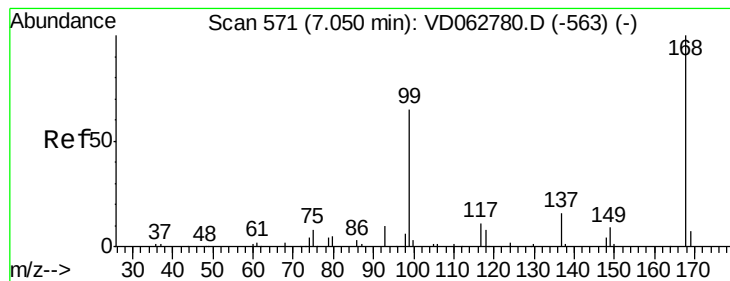
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070219\
Data File : VD063005.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD063005.D

Acq: 2 Jul 2019 16:33

Instrument :

MSVOA_D

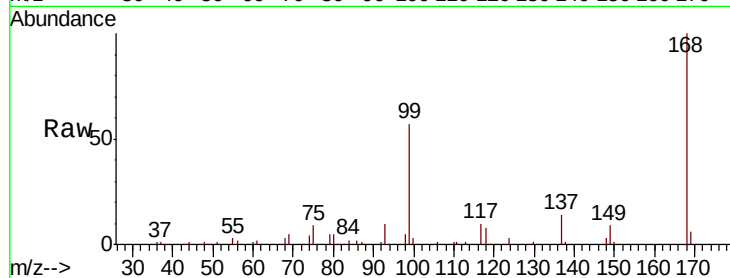
ClientSampleId :

Tot Ion:168 Resp: 663321

Ion Ratio Lower Upper

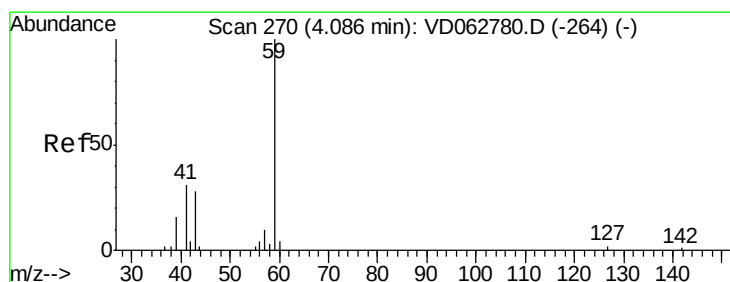
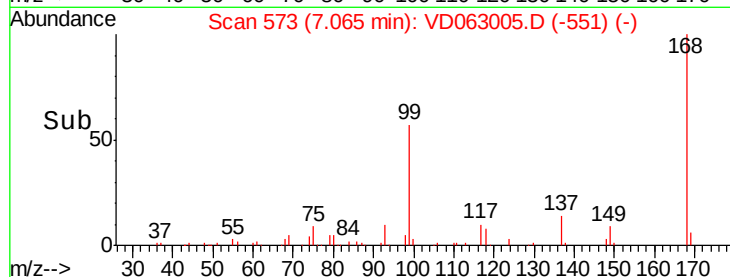
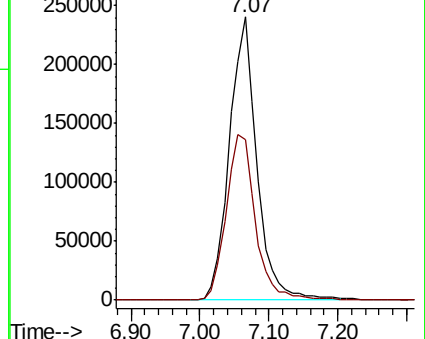
168 100

99 56.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.337 ug/l

RT: 4.11 min Scan# 273

Delta R.T. 0.03 min

Lab File: VD063005.D

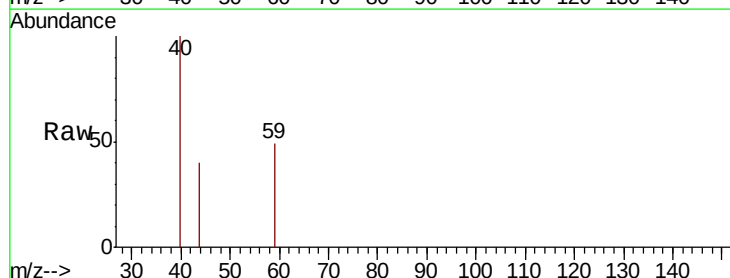
Acq: 2 Jul 2019 16:33

Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

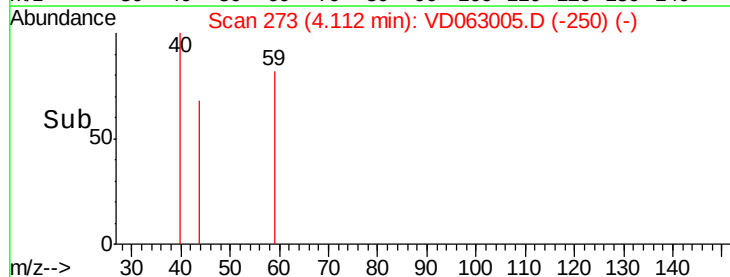
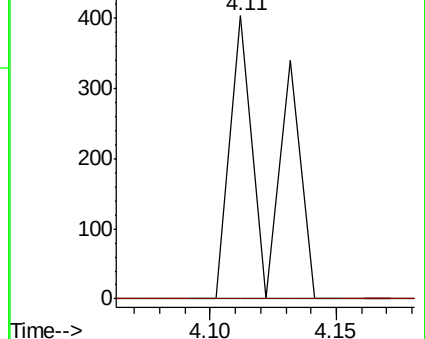
59 100

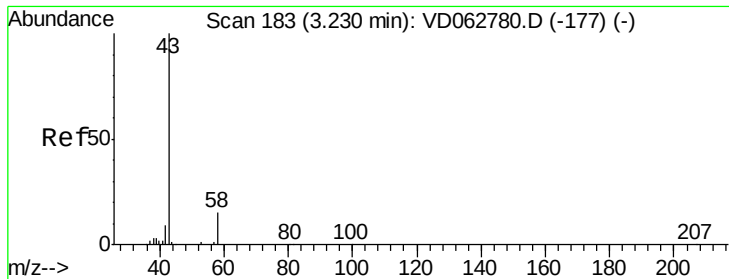
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD063005.D

Acq: 2 Jul 2019 16:33

Instrument :

MSVOA_D

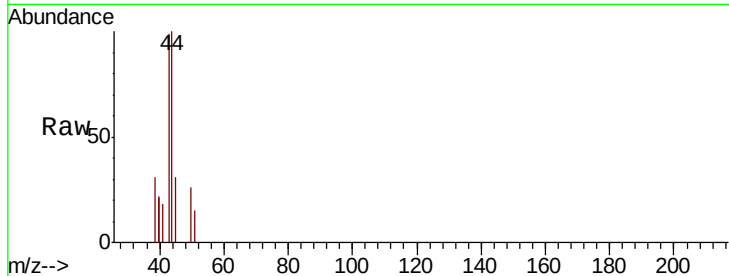
ClientSampleId :

Tot Ion: 43 Resp: 6639

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

2000

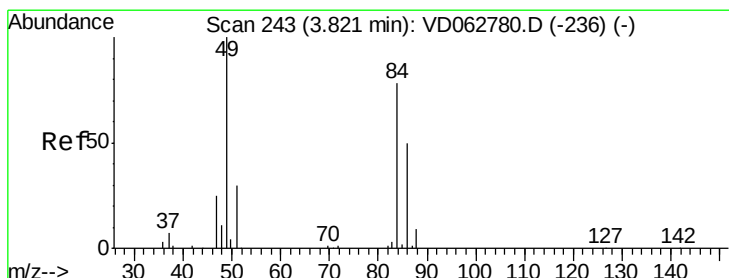
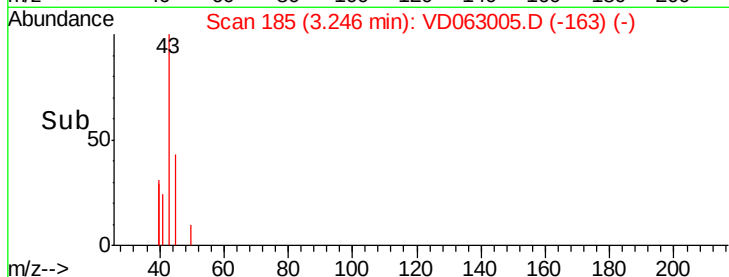
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 2.114 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD063005.D

Acq: 2 Jul 2019 16:33

Tgt Ion: 84 Resp: 11624

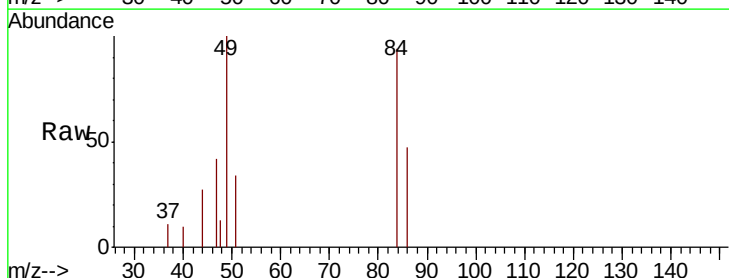
Ion Ratio Lower Upper

84 100

49 106.5 102.9 154.3

51 36.2 31.2 46.8

86 50.4 51.4 77.2#



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

8000

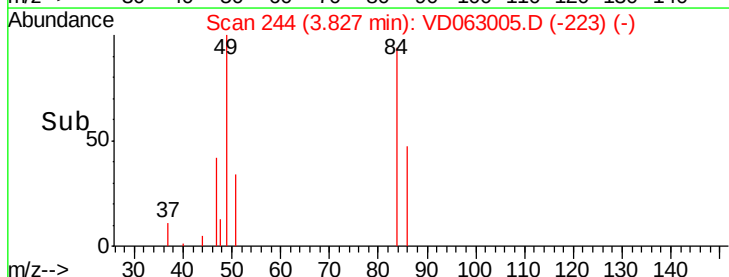
6000

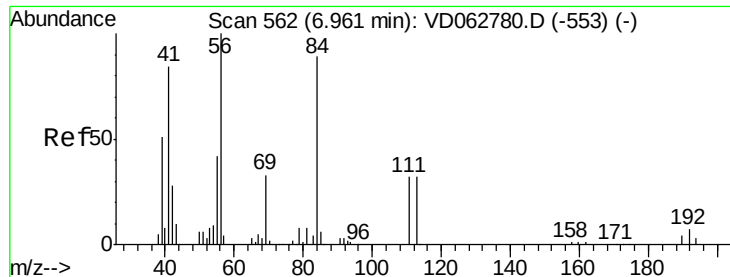
4000

2000

0

Time-->

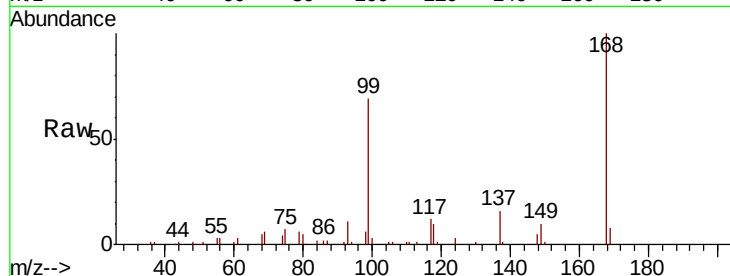




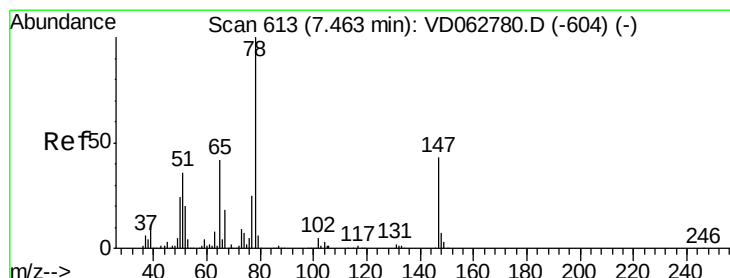
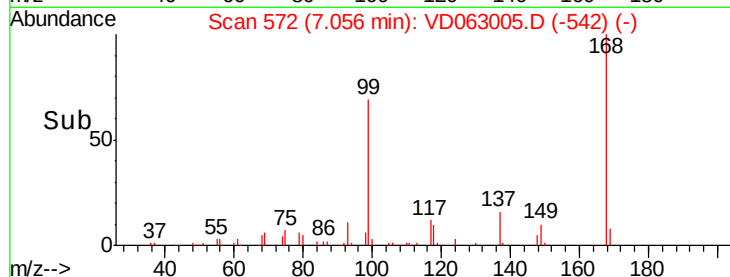
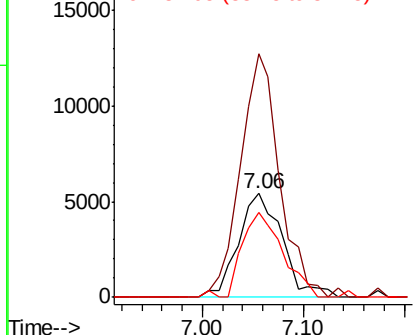
#31
Cyclohexane
Concen: 2.420 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 16385
Ion Ratio Lower Upper
56 100
69 219.4 26.6 39.8#
84 76.1 75.5 113.3

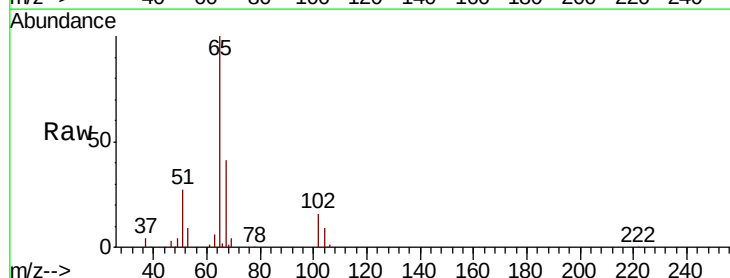


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

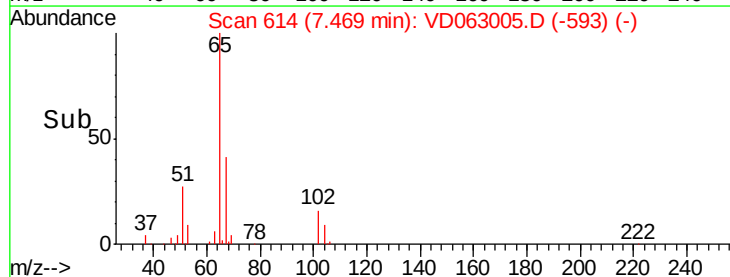
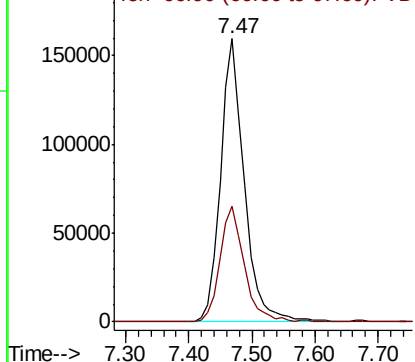


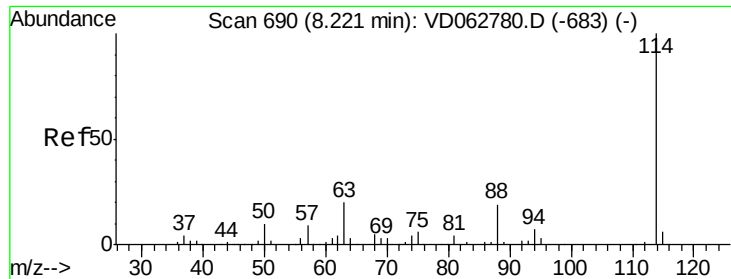
#33
1,2-Dichloroethane-d4
Concen: 57.825 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Tgt Ion: 65 Resp: 416928
Ion Ratio Lower Upper
65 100
67 40.9 0.0 87.4



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

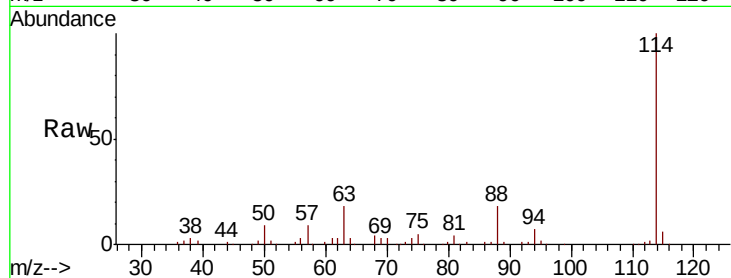




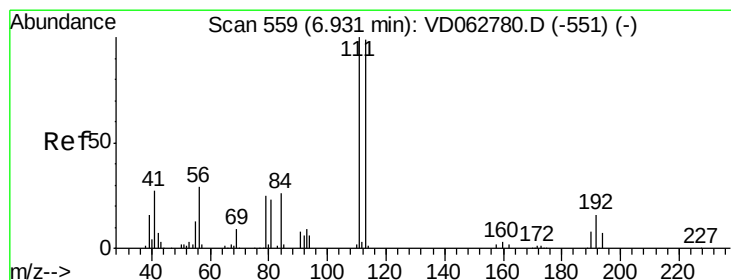
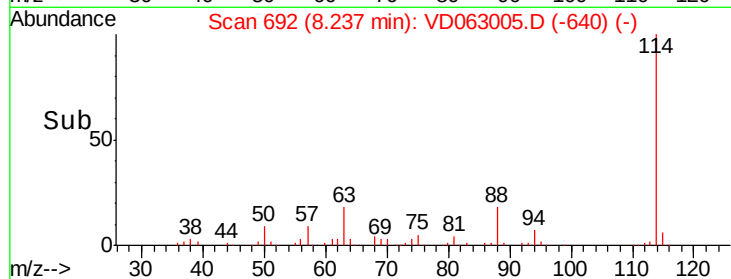
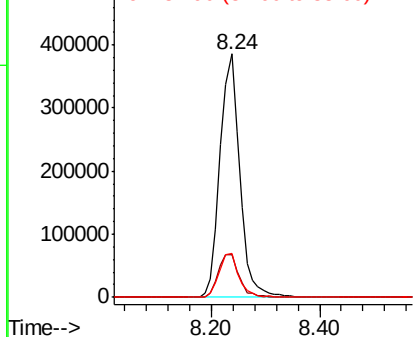
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 976909
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.0
 88 18.1 0.0 38.8

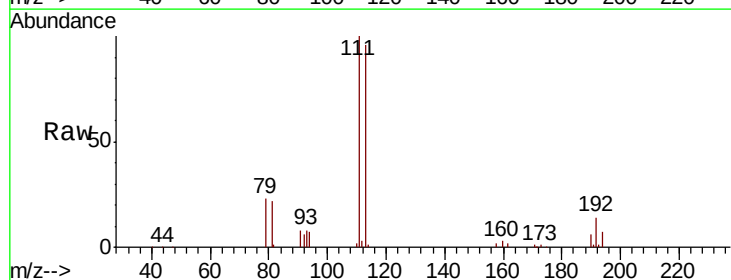


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

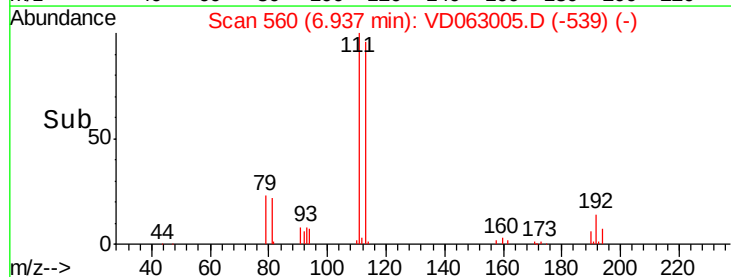
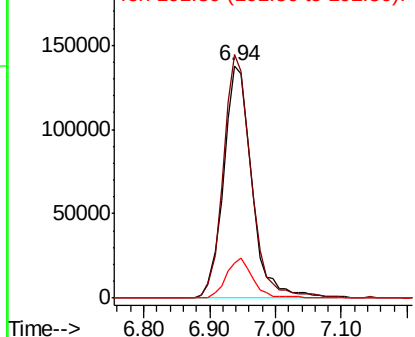


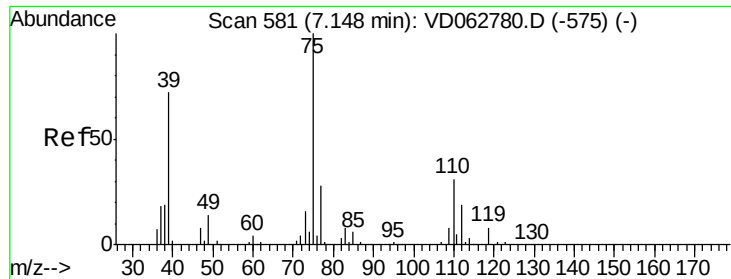
#35
 Dibromofluoromethane
 Concen: 50.500 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

Tgt Ion:113 Resp: 415983
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.2 121.8
 192 15.0 12.9 19.3



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

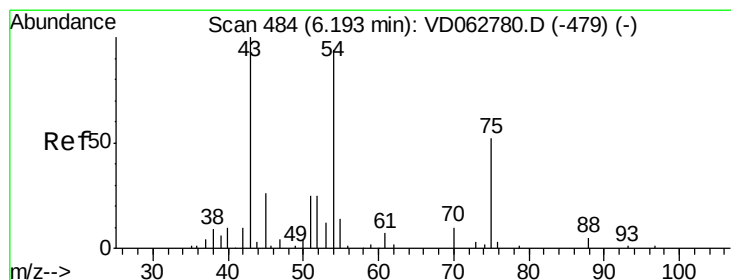
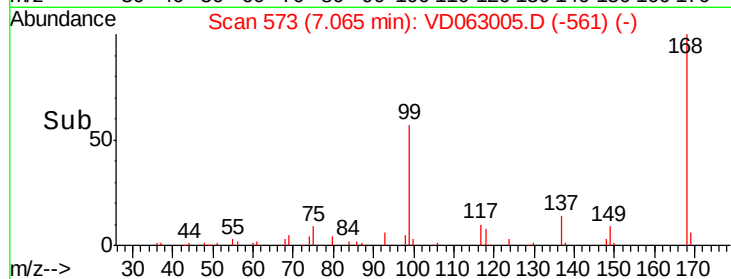
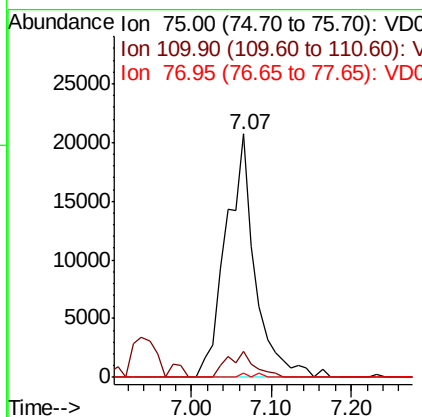
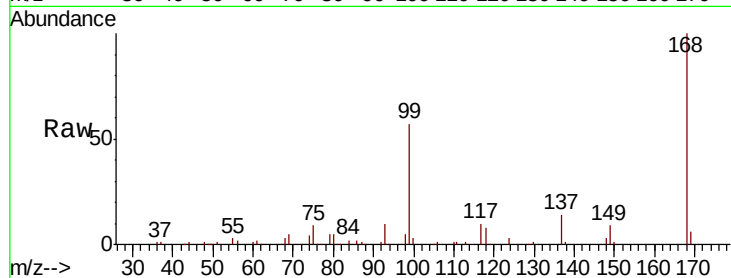




#36
 1,1-Dichloropropene
 Concen: 5.764 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

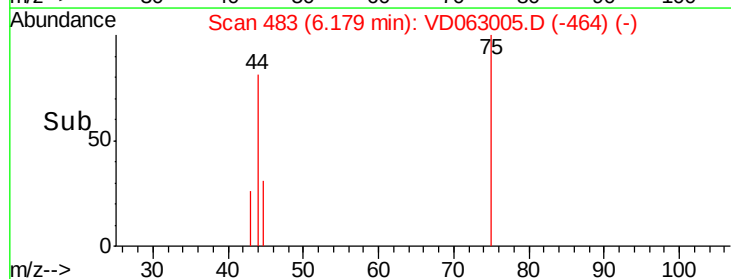
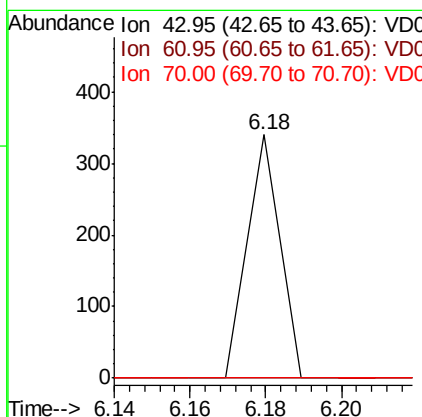
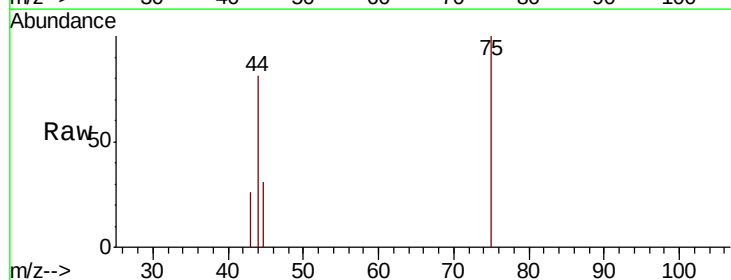
Instrument :
 MSVOA_D
 ClientSampleId :

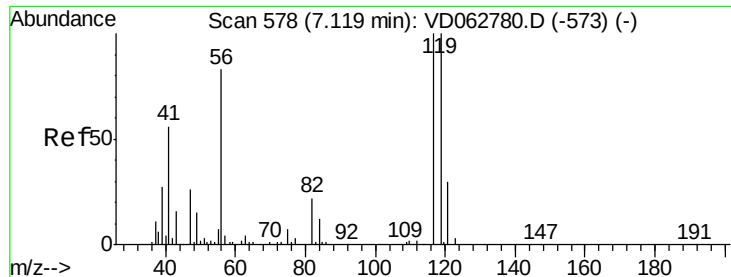
Tot Ion: 75 Resp: 53304
 Ion Ratio Lower Upper
 75 100
 110 10.4 15.0 45.1#
 77 1.5 22.2 33.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.18 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

Tgt Ion: 43 Resp: 201
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 6.4 9.6#

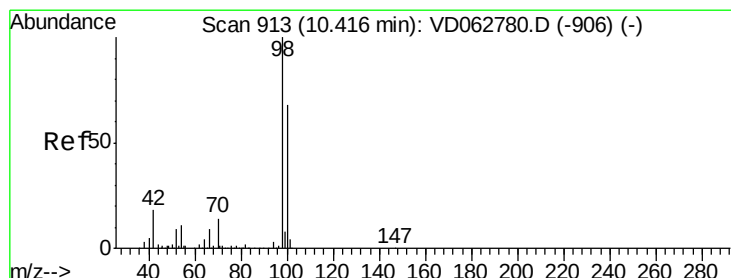
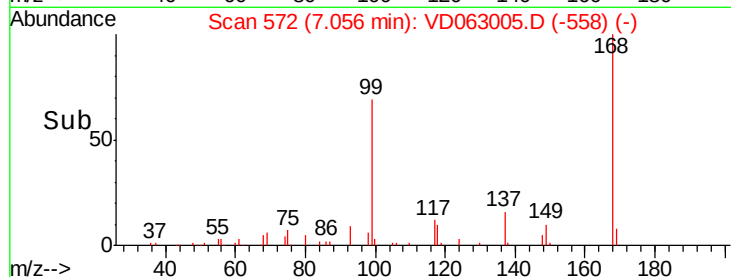
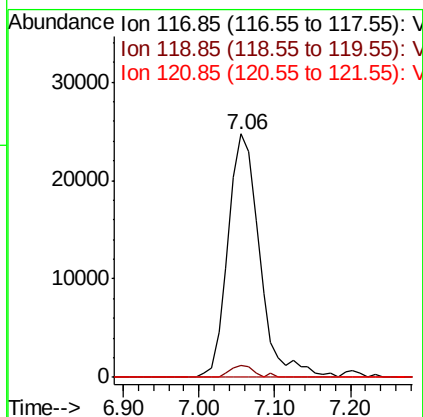
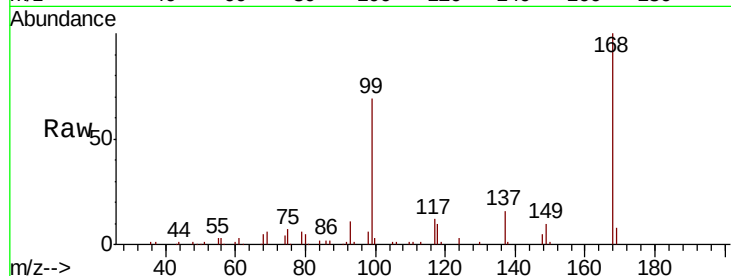




#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

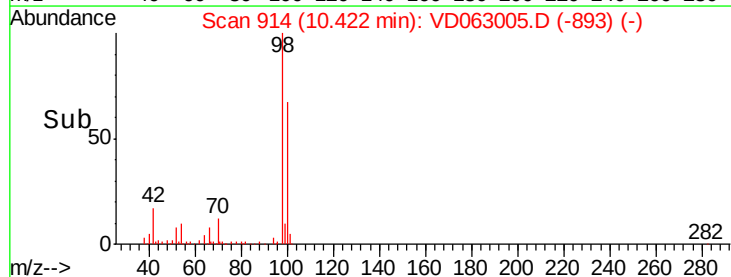
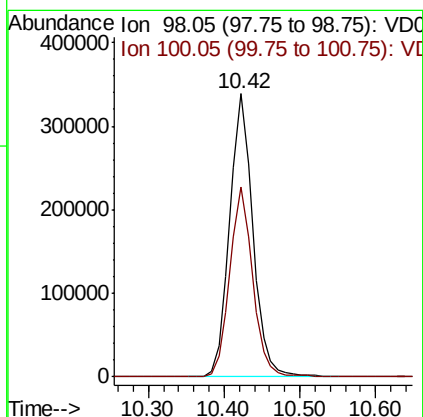
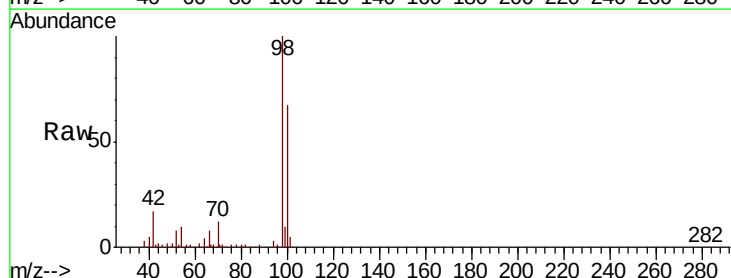
Instrument :
MSVOA_D
ClientSampleId :

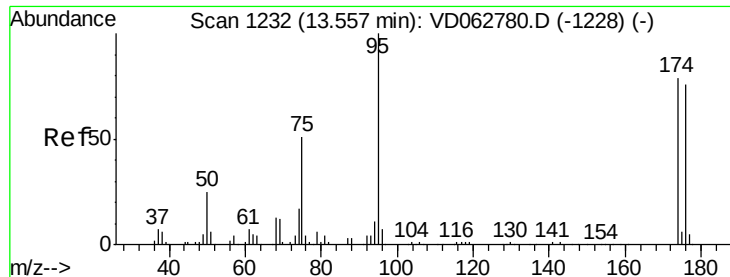
Tot Ion:117 Resp: 71613
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 39.936 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Tgt Ion: 98 Resp: 715972
Ion Ratio Lower Upper
98 100
100 66.9 54.7 82.1

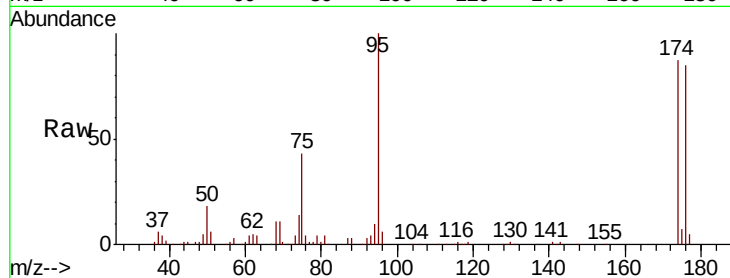




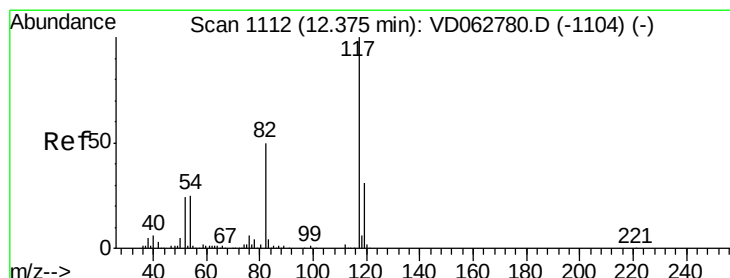
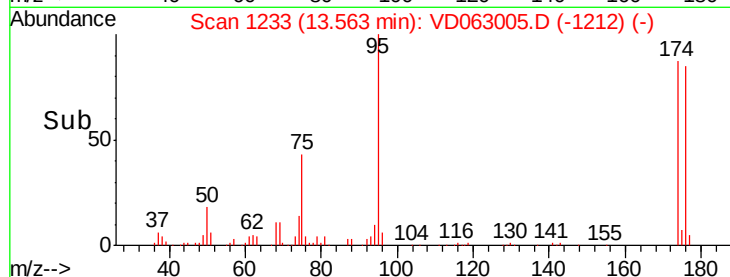
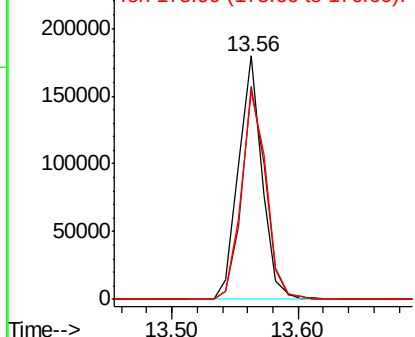
#62
4-Bromofluorobenzene
Concen: 28.170 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 95 Resp: 229644
Ion Ratio Lower Upper
95 100
174 87.2 0.0 158.0
176 85.5 0.0 151.6

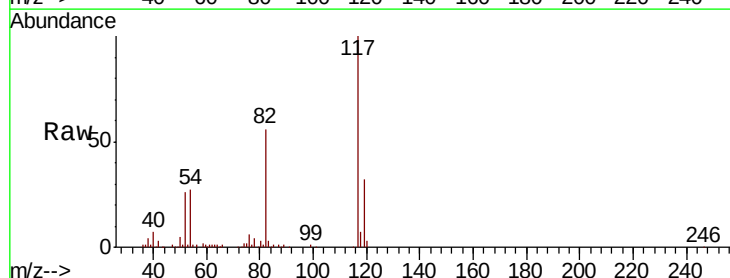


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

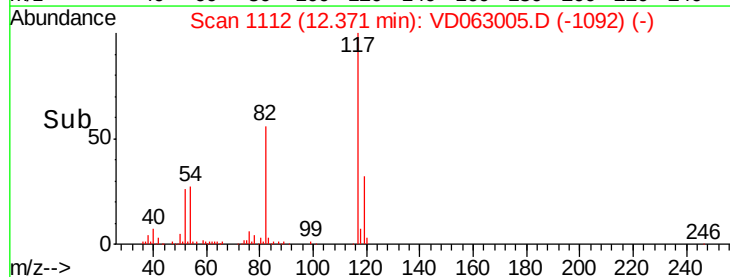
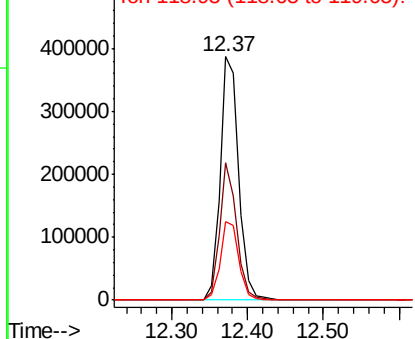


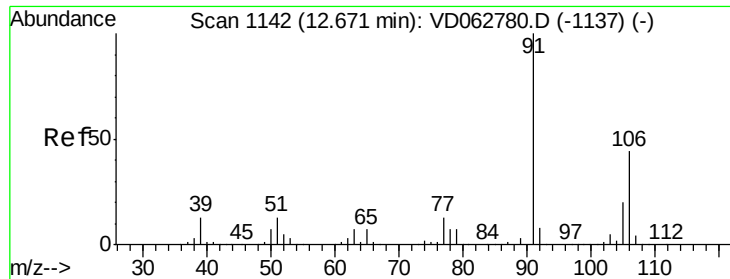
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Tgt Ion: 117 Resp: 658934
Ion Ratio Lower Upper
117 100
82 56.4 40.4 60.6
119 32.0 25.2 37.8



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

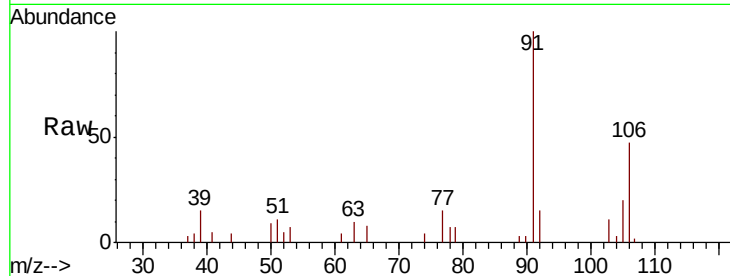




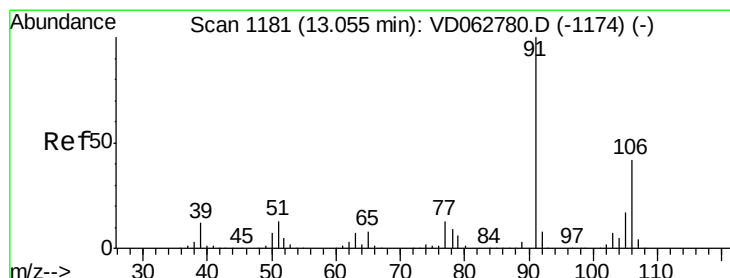
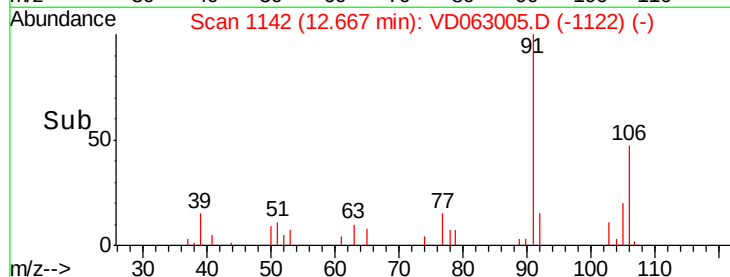
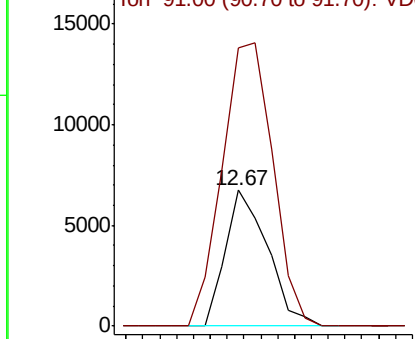
#68
m/p-Xylenes
Concen: 1.532 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 11715
Ion Ratio Lower Upper
106 100
91 204.7 183.0 274.6

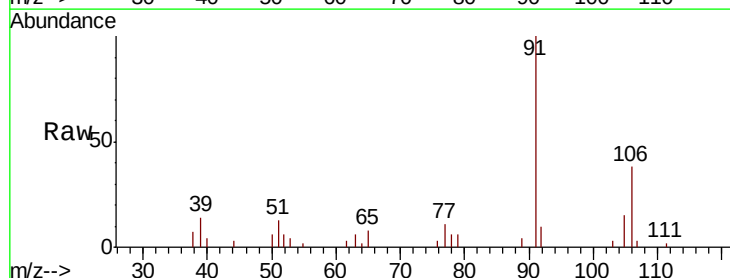


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

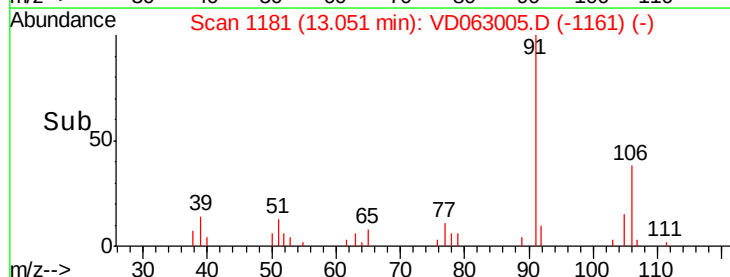
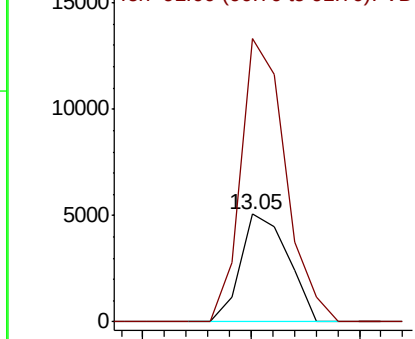


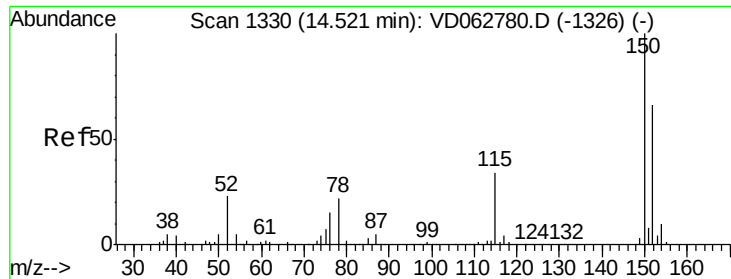
#69
o-Xylene
Concen: 1.109 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063005.D
Acq: 2 Jul 2019 16:33

Tgt Ion:106 Resp: 7754
Ion Ratio Lower Upper
106 100
91 263.0 117.9 353.6



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063005.D

Acq: 2 Jul 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

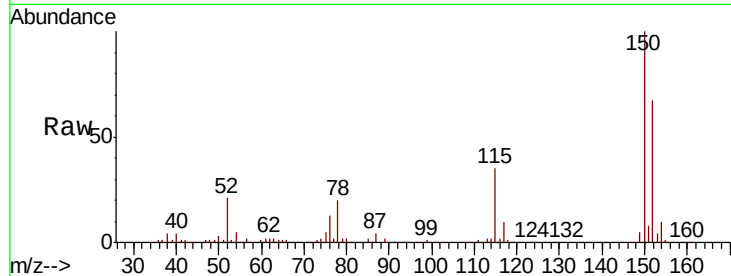
Tot Ion:152 Resp: 209912

Ion Ratio Lower Upper

152 100

115 52.3 29.2 87.6

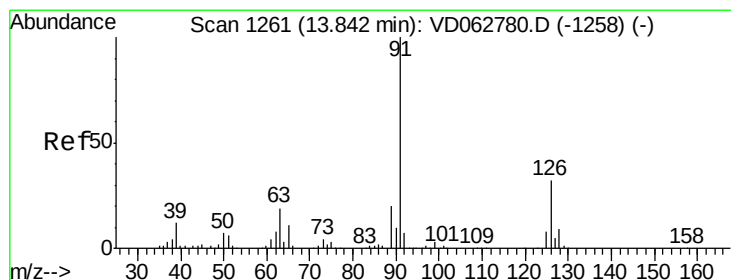
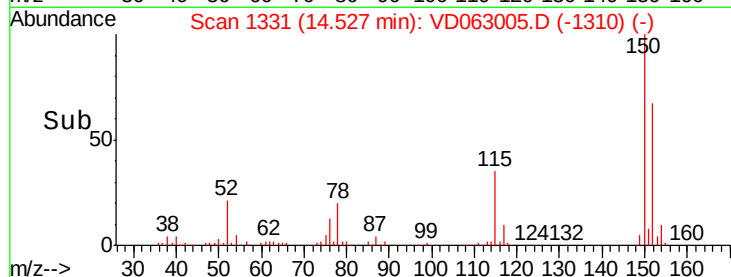
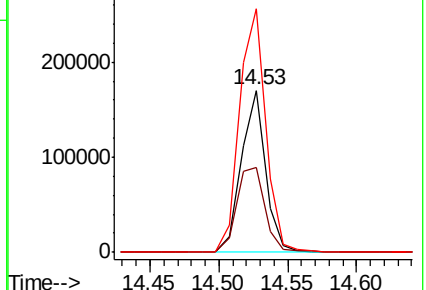
150 150.3 0.0 305.8



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



#79

2-Chlorotoluene

Concen: 1.022 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063005.D

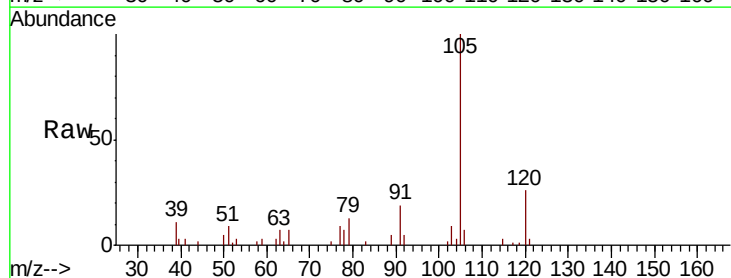
Acq: 2 Jul 2019 16:33

Tgt Ion: 91 Resp: 9145

Ion Ratio Lower Upper

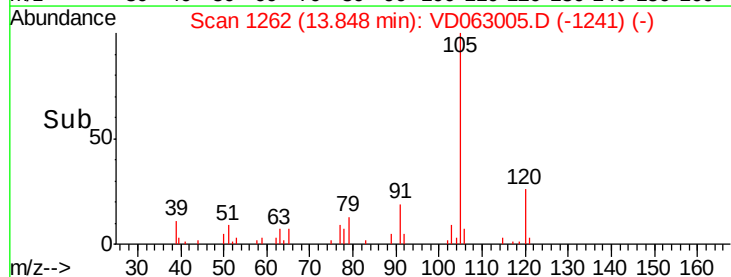
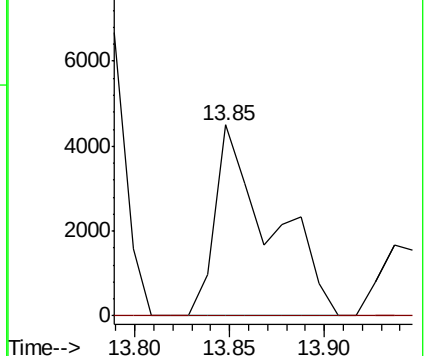
91 100

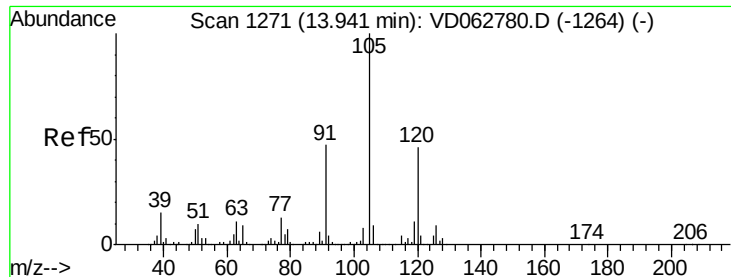
126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

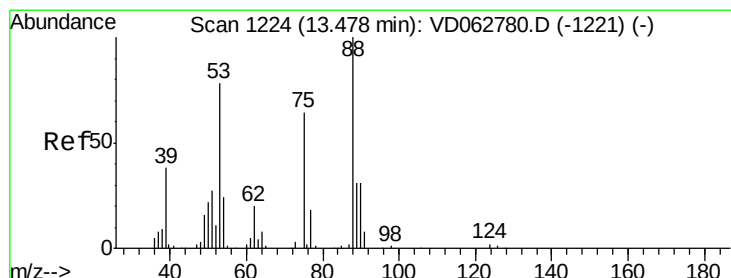
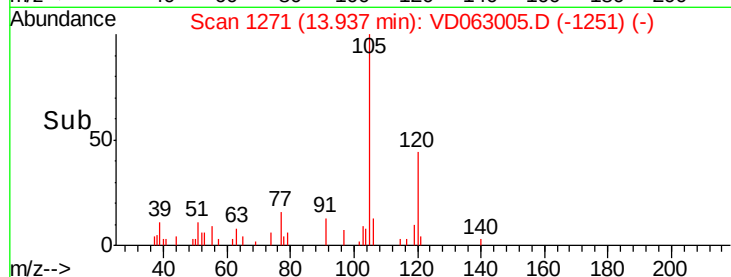
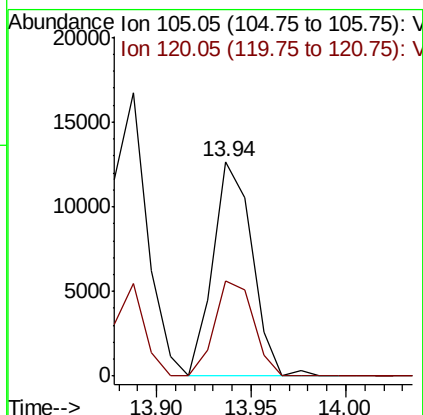
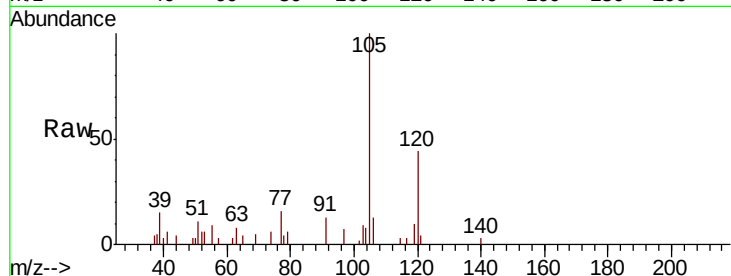




#80
 1,3,5-Trimethylbenzene
 Concen: 1.597 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

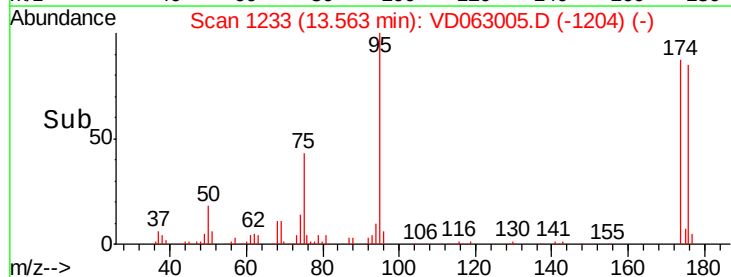
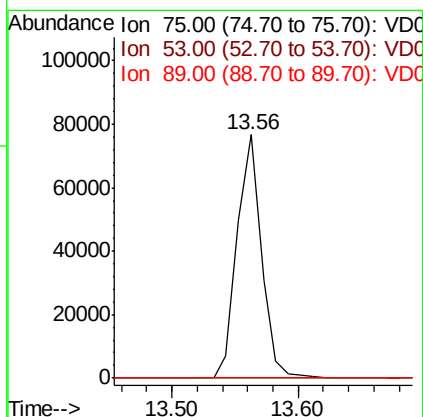
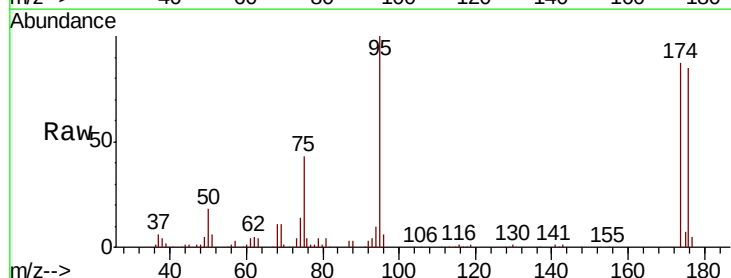
Instrument :
 MSVOA_D
 ClientSampleId :

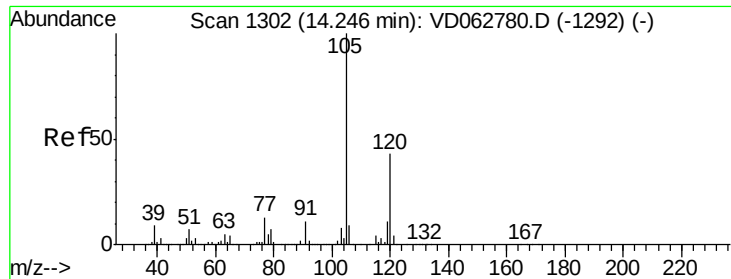
Tot Ion:105 Resp: 18055
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.1 69.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.872 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

Tgt Ion: 75 Resp: 102171
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 5.183 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063005.D
 Acq: 2 Jul 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 60057
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.3 63.9

