

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062949.D
 Acq On : 28 Jun 2019 1:33
 Operator : VA/AP
 Sample : VD0627SBL03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:23:38 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	7.02	168	775650	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1066105	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	874863	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	504459	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	435191	51.62	ug/l	-0.04
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	6.90	113	461931	51.39	ug/l	-0.03
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	10.38	98	945281	48.31	ug/l	-0.03
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	13.54	95	422544	47.50	ug/l	-0.01
Spiked Amount			Recovery	=	95.00%	

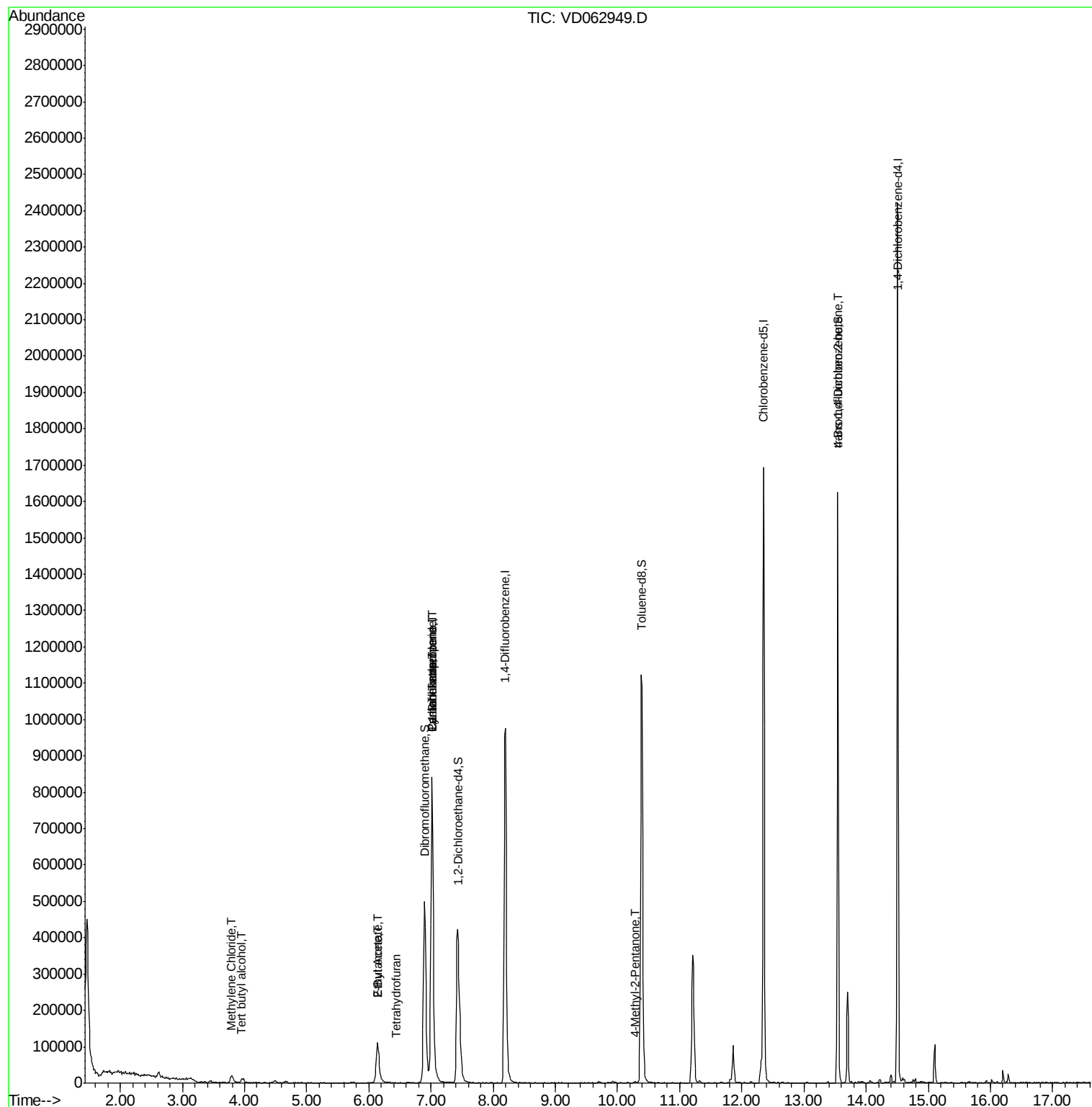
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	11272	29.354	ug/l #	77
16) Acetone	3.20	43	6385	Below Cal		93
20) Methylene Chloride	3.79	84	9852	1.532	ug/l #	75
25) 2-Butanone	6.14	43	10523	6.673	ug/l #	87
29) Tetrahydrofuran	6.45	42	824	1.104	ug/l #	33
31) Cyclohexane	7.01	56	18255	2.306	ug/l #	19
36) 1,1-Dichloropropene	7.02	75	57843	5.731	ug/l #	58
37) Ethyl Acetate	6.14	43	10776	1.473	ug/l #	18
38) Carbon Tetrachloride	7.01	117	74556	4.912	ug/l #	16
51) 4-Methyl-2-Pentanone	10.28	43	4430	1.181	ug/l #	75
81) trans-1,4-Dichloro-2-buten	13.54	75	203933	133.614	ug/l #	2

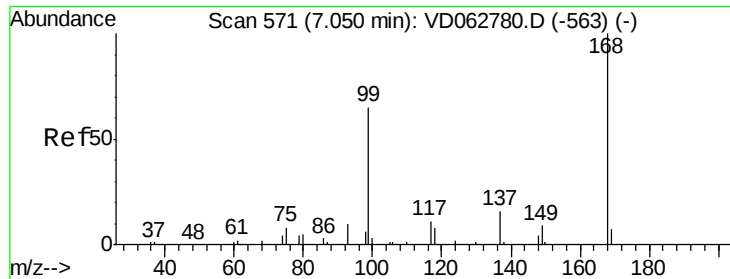
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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Acq On : 28 Jun 2019 1:33
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MSVOA_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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Instrument :

MSVOA_D

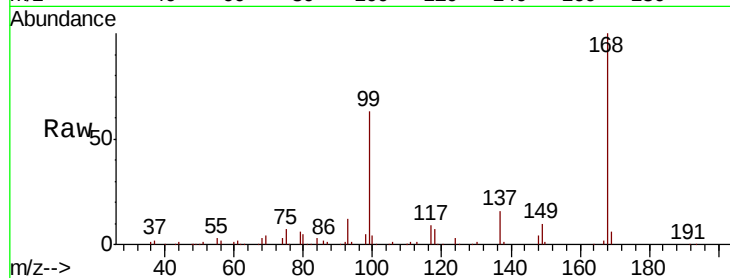
ClientSampleId :

Tot Ion:168 Resp: 775650

Ion Ratio Lower Upper

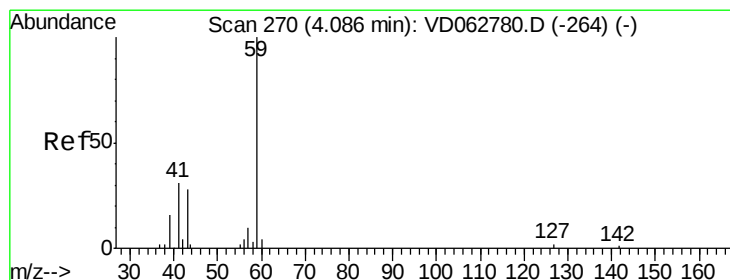
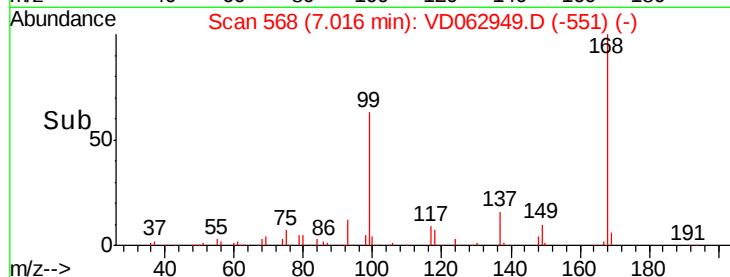
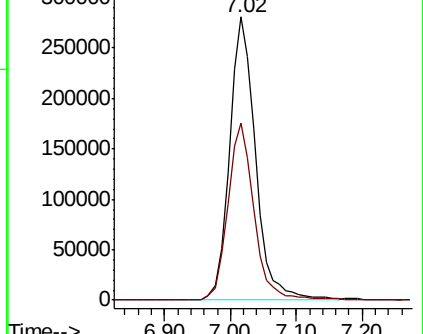
168 100

99 62.5 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: 29.354 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.12 min

Lab File: VD062949.D

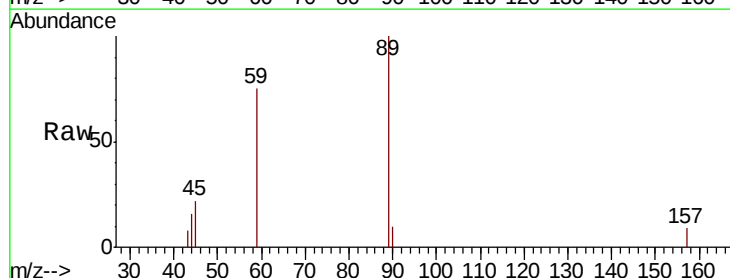
Acq: 28 Jun 2019 1:33

Tgt Ion: 59 Resp: 11272

Ion Ratio Lower Upper

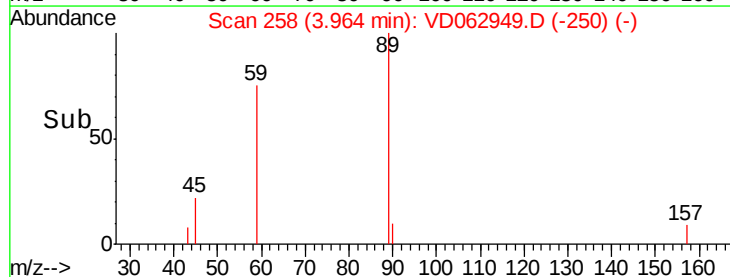
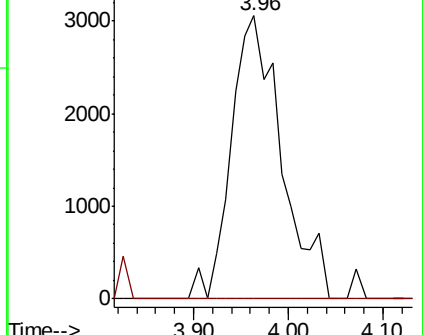
59 100

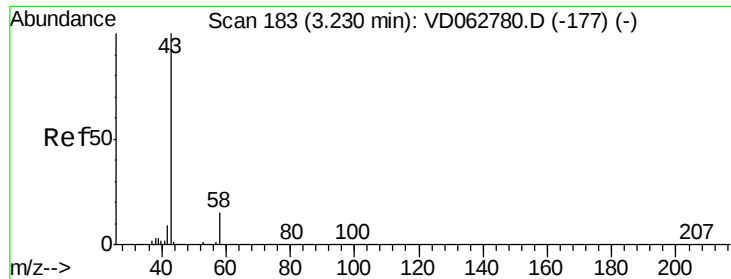
57 0.0 6.6 10.0#



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: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Instrument :

MSVOA_D

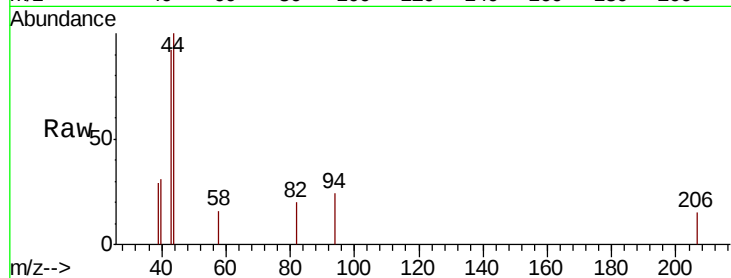
ClientSampleId :

Tot Ion: 43 Resp: 6385

Ion Ratio Lower Upper

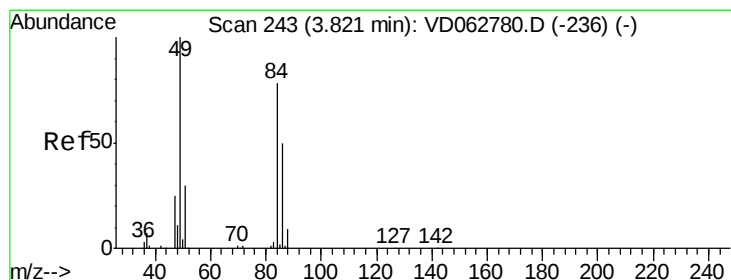
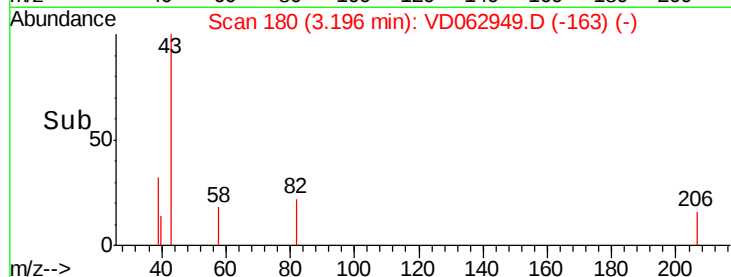
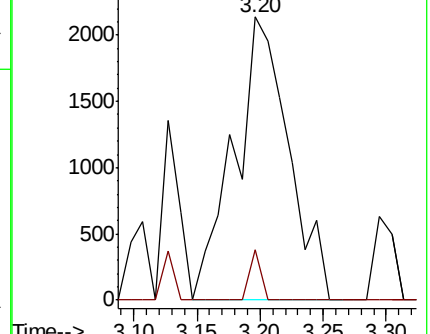
43 100

58 17.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.532 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.03 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Tgt Ion: 84 Resp: 9852

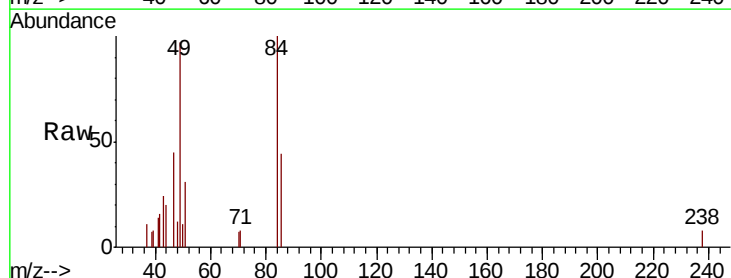
Ion Ratio Lower Upper

84 100

49 96.8 102.9 154.3#

51 30.7 31.2 46.8#

86 44.0 51.4 77.2#

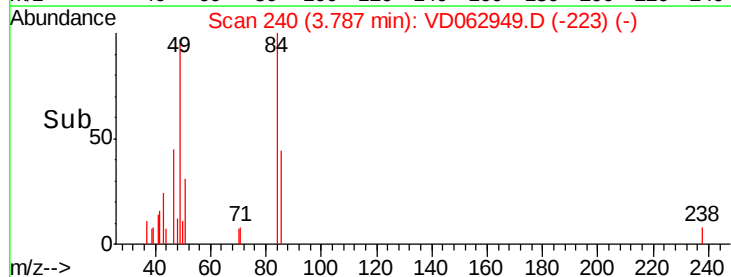
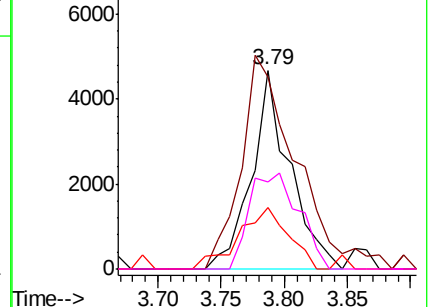


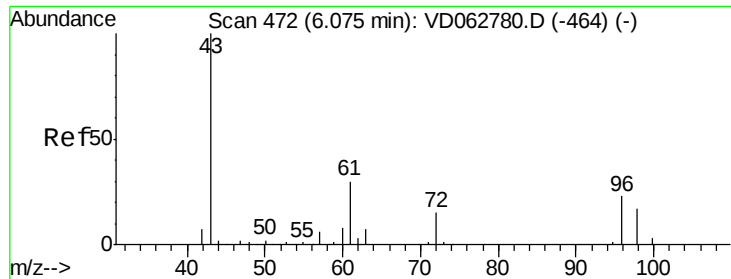
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 6.673 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.06 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

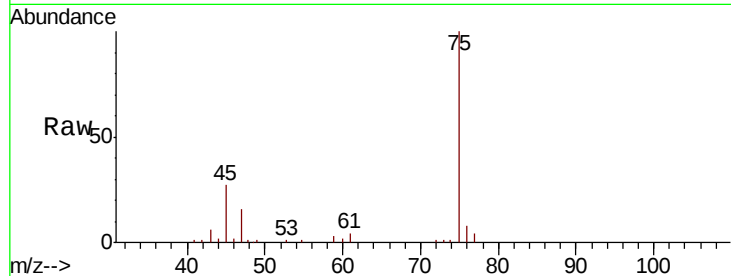
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 10523

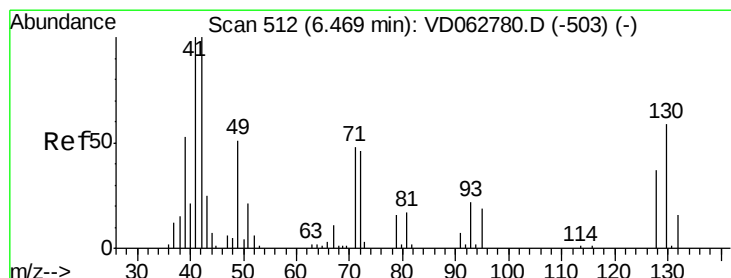
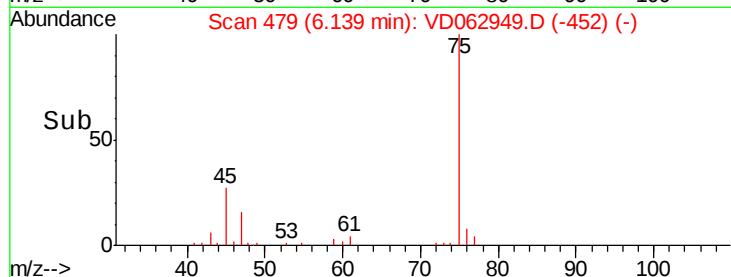
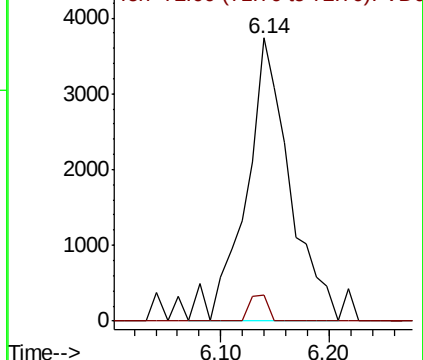
Ion Ratio Lower Upper

43 100

72 9.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

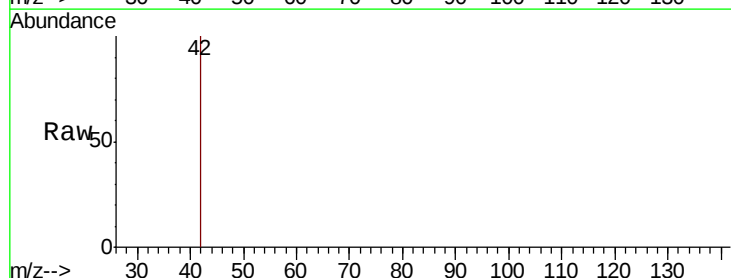
Tgt Ion: 42 Resp: 824

Ion Ratio Lower Upper

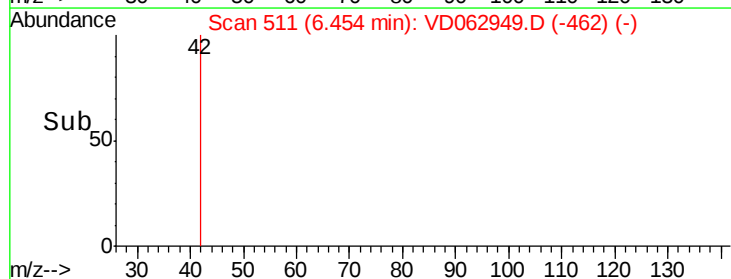
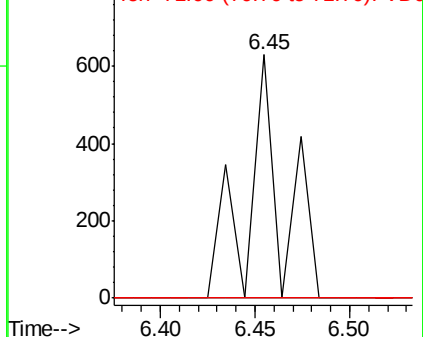
42 100

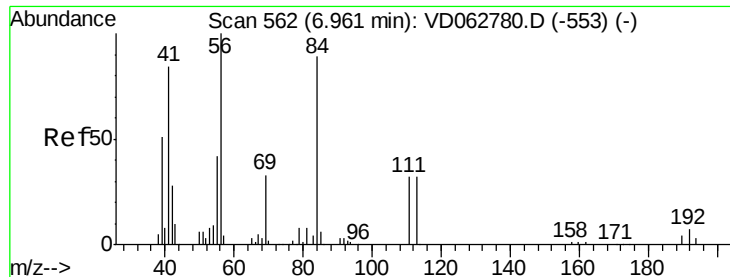
72 0.0 35.0 52.6#

71 0.0 33.3 49.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

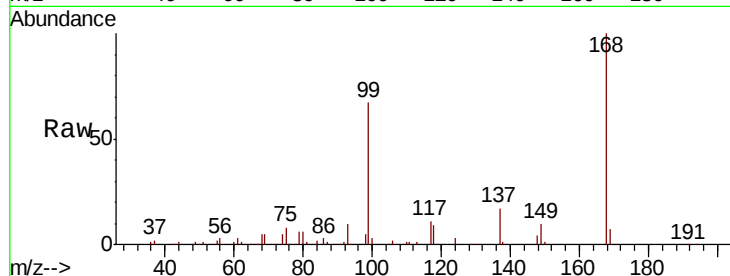




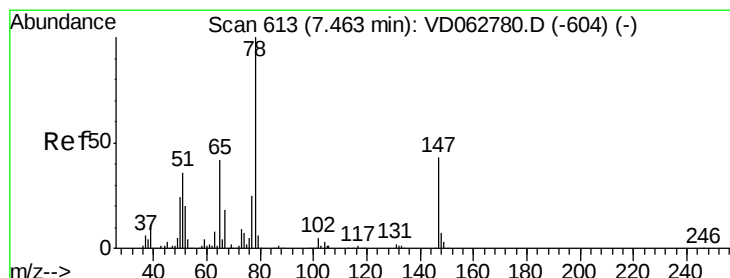
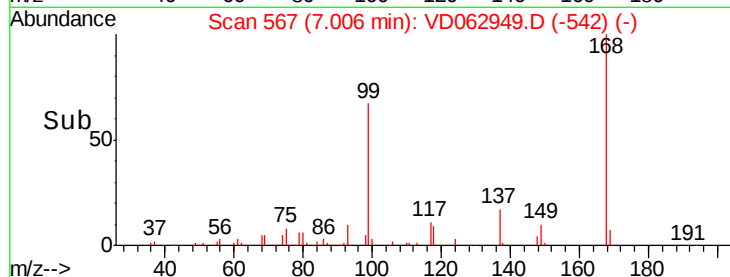
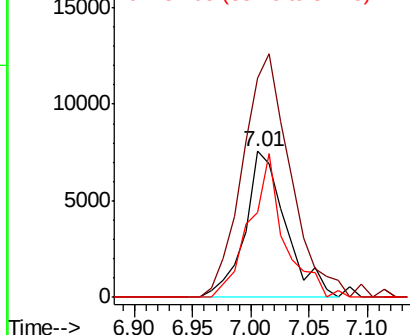
#31
Cyclohexane
Concen: 2.306 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.04 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18255
Ion Ratio Lower Upper
56 100
69 150.1 26.6 39.8#
84 58.4 75.5 113.3#

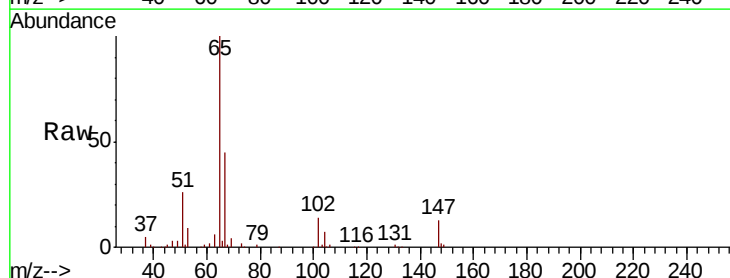


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

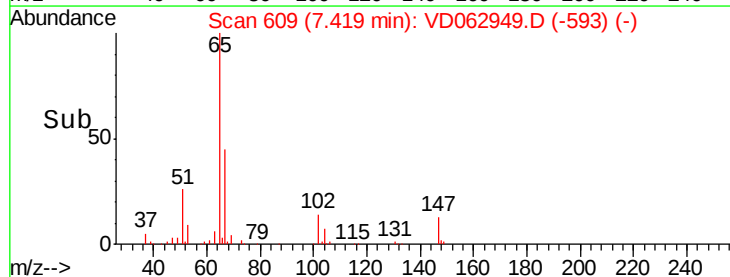
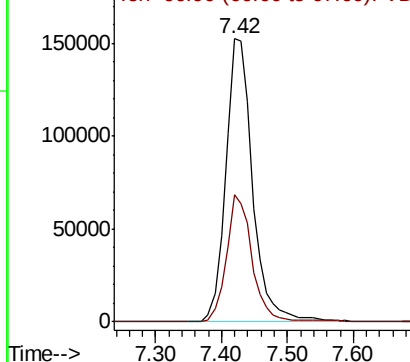


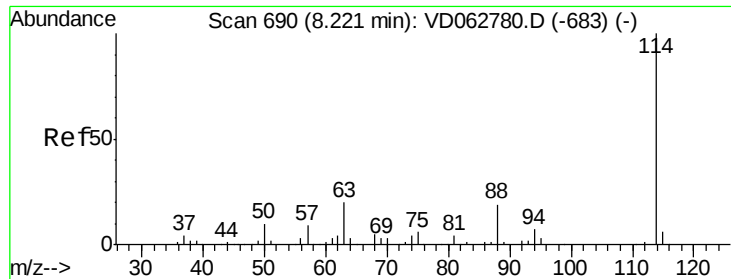
#33
1,2-Dichloroethane-d4
Concen: 51.617 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Tgt Ion: 65 Resp: 435191
Ion Ratio Lower Upper
65 100
67 45.0 0.0 87.4



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

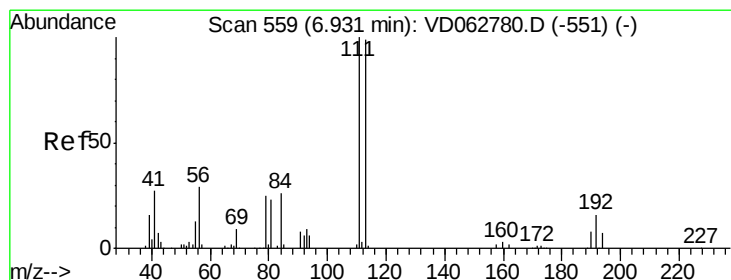
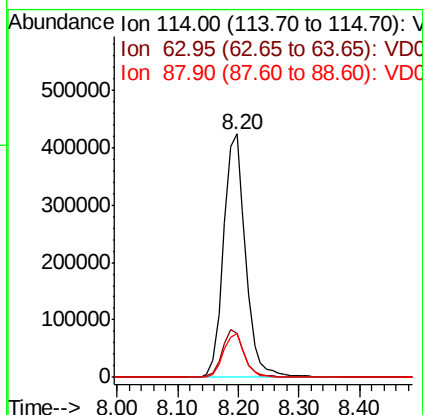
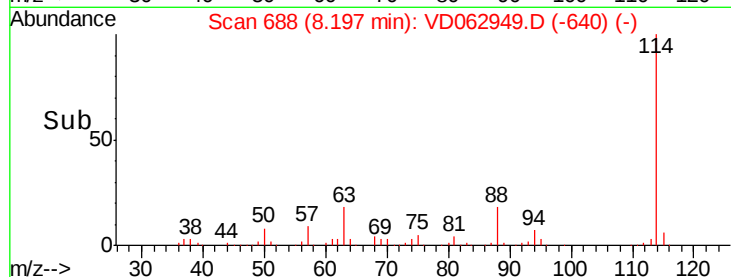
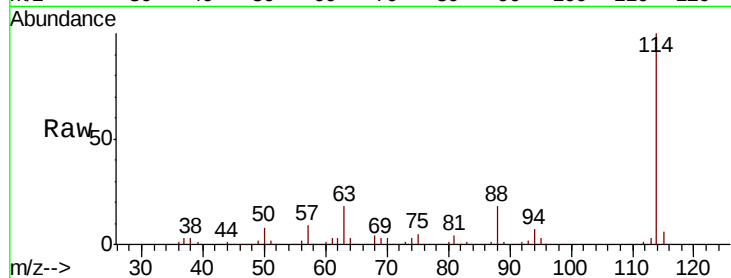




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062949.D
 Acq: 28 Jun 2019 1:33

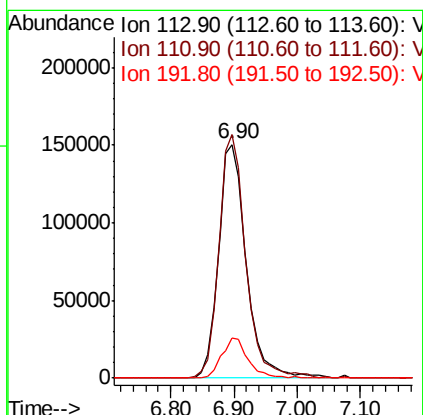
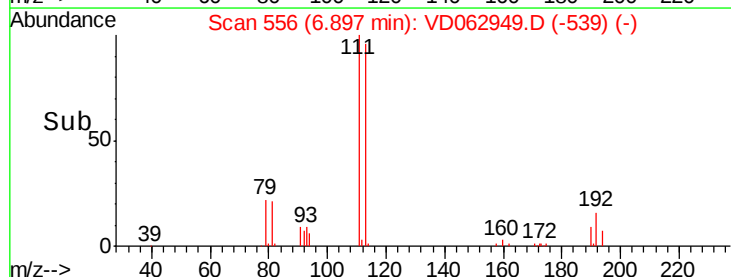
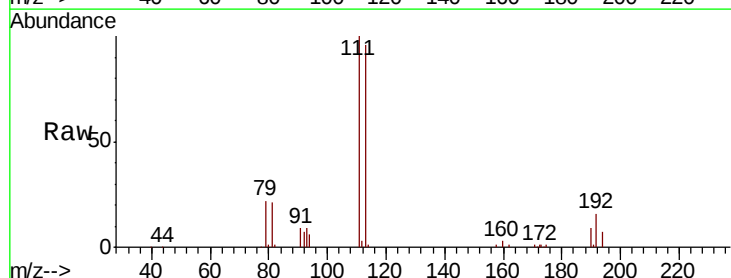
Instrument :
 MSVOA_D
 ClientSampled :

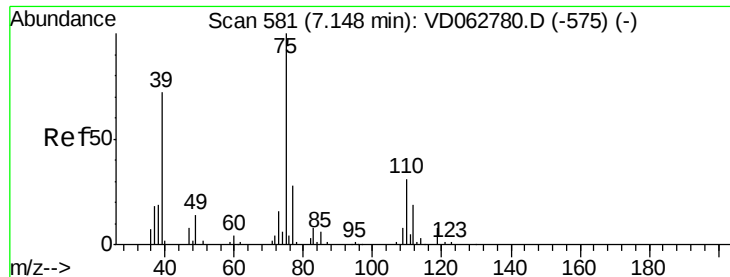
Tot Ion:114 Resp: 1066105
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.0
 88 17.9 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 51.386 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062949.D
 Acq: 28 Jun 2019 1:33

Tgt Ion:113 Resp: 461931
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.2 121.8
 192 16.9 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.731 ug/l

RT: 7.02 min Scan# 568

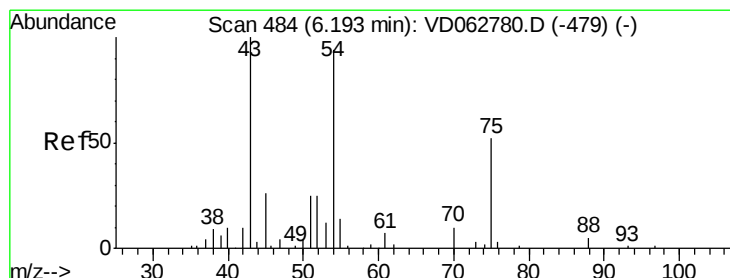
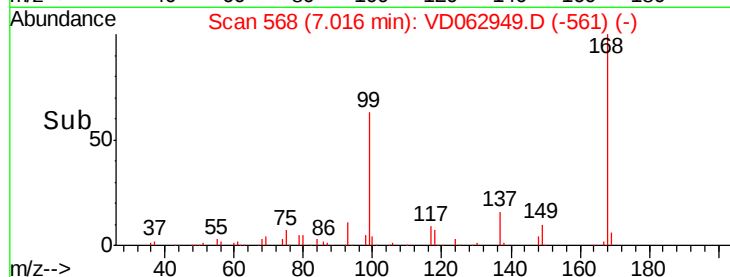
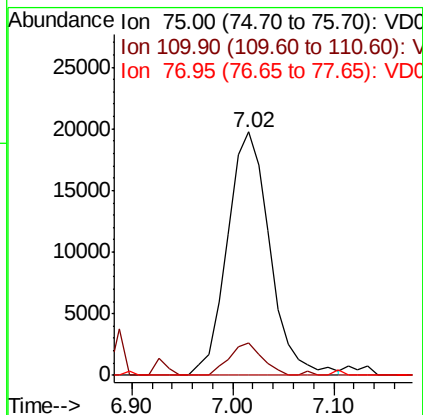
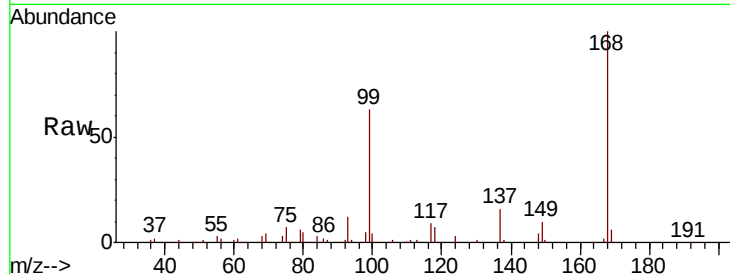
Delta R.T. -0.13 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 57843
Ion Ratio Lower Upper
75 100
110 13.2 15.0 45.1#
77 0.0 22.2 33.2#



#37

Ethyl Acetate

Concen: 1.473 ug/l

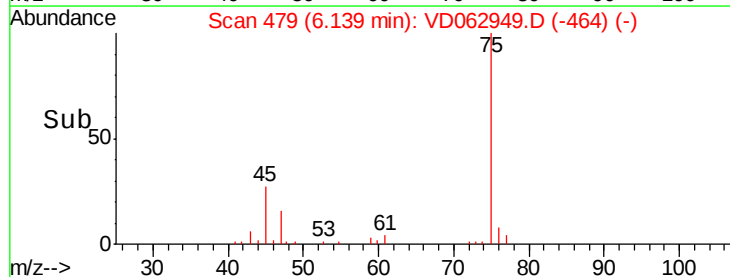
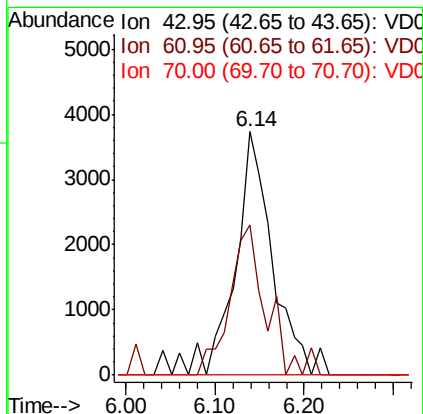
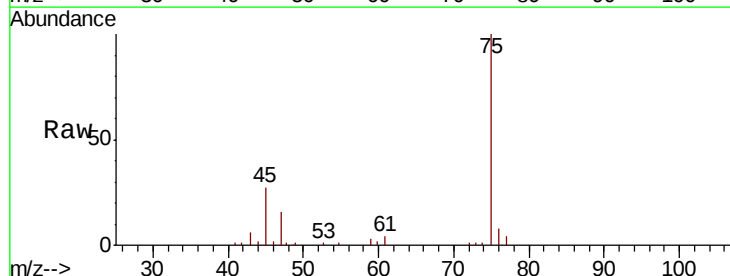
RT: 6.14 min Scan# 479

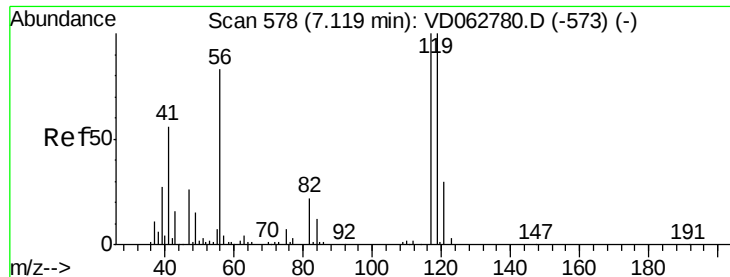
Delta R.T. -0.05 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Tgt Ion: 43 Resp: 10776
Ion Ratio Lower Upper
43 100
61 61.8 11.6 17.4#
70 0.0 6.4 9.6#

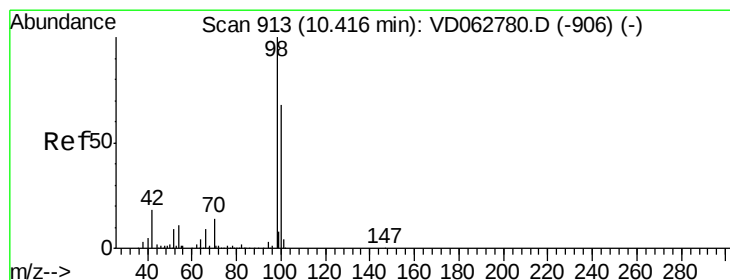
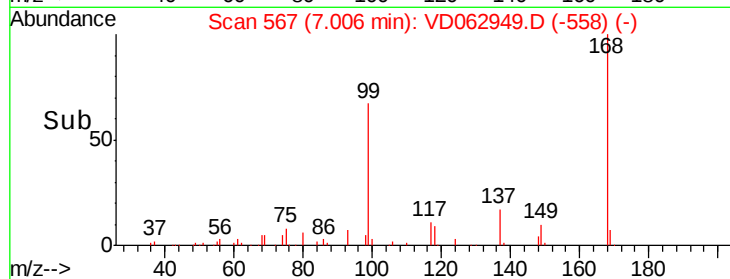
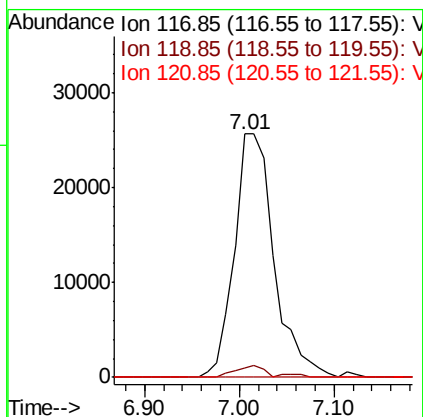
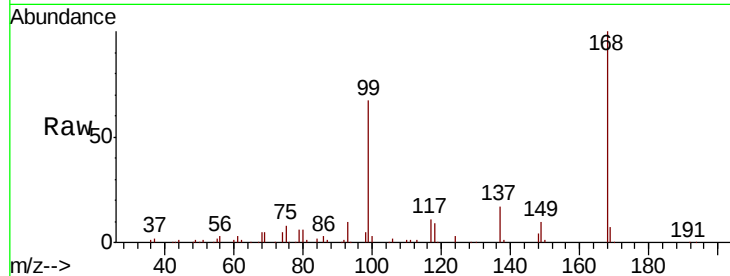




#38
Carbon Tetrachloride
Concen: 4.912 ug/l
RT: 7.01 min Scan# 567
Delta R.T. -0.11 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

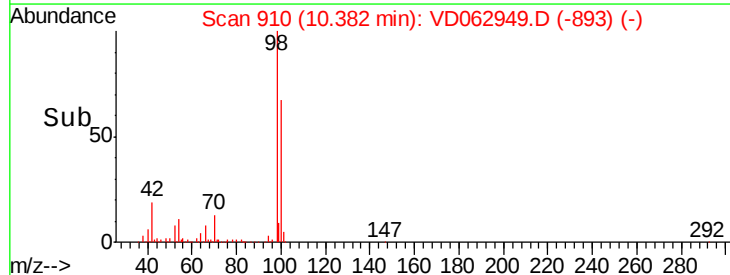
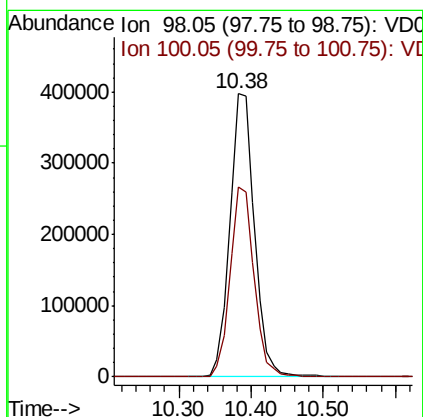
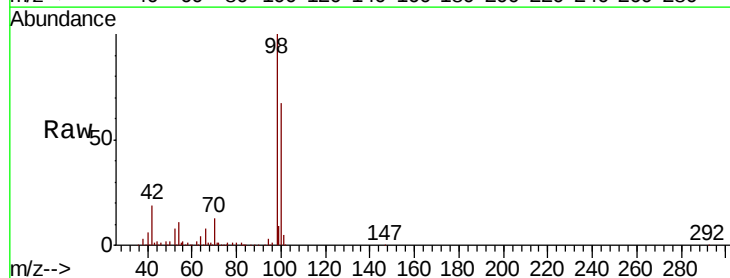
Instrument :
MSVOA_D
ClientSampleId :

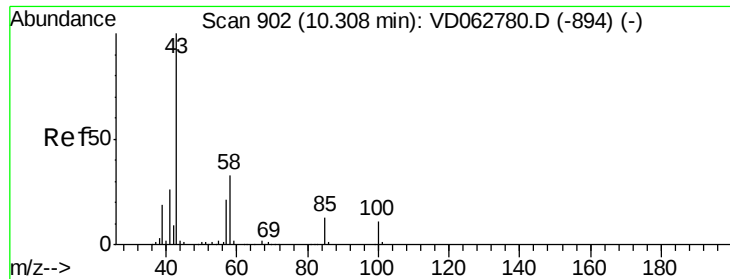
Tot Ion:117 Resp: 74556
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 48.315 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Tgt Ion: 98 Resp: 945281
Ion Ratio Lower Upper
98 100
100 67.1 54.7 82.1

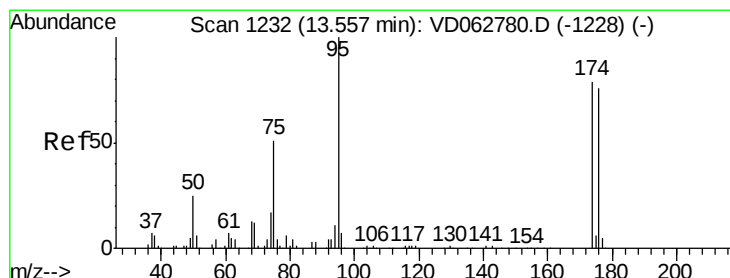
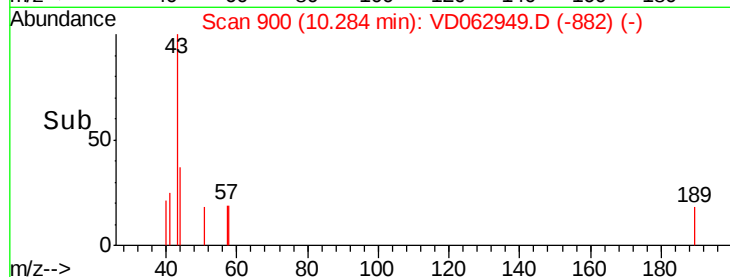
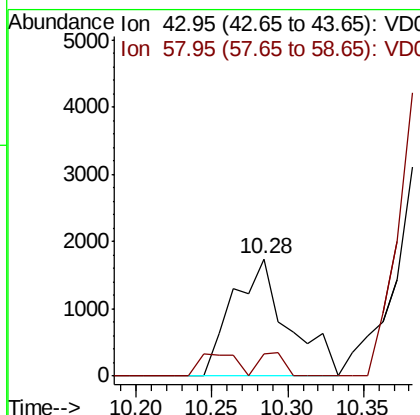
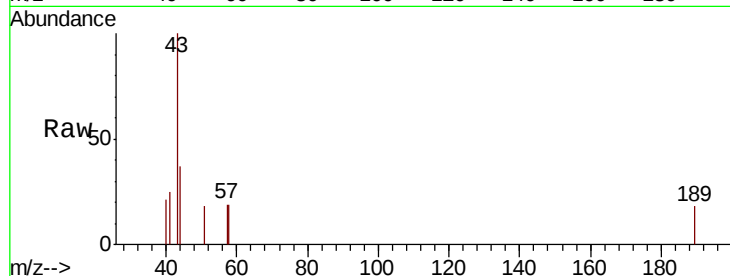




#51
4-Methyl-2-Pentanone
Concen: 1.181 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

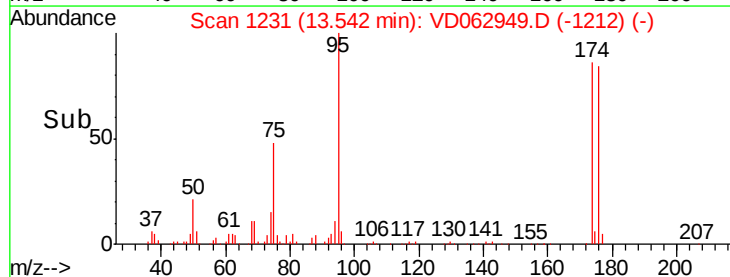
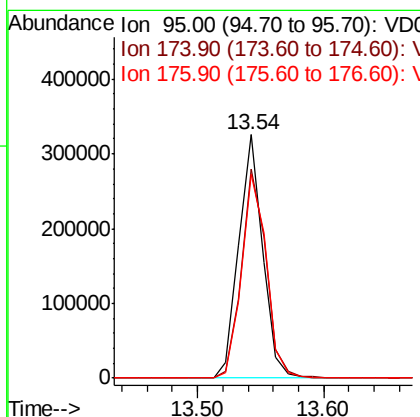
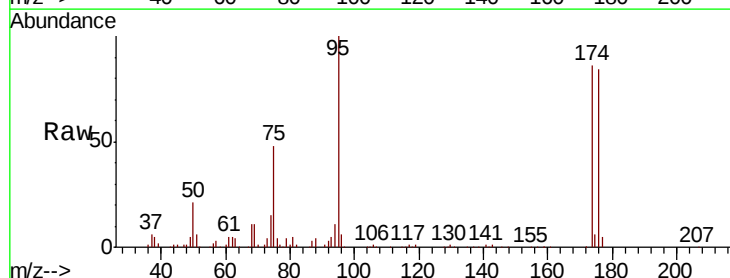
Instrument :
MSVOA_D
ClientSampleID :

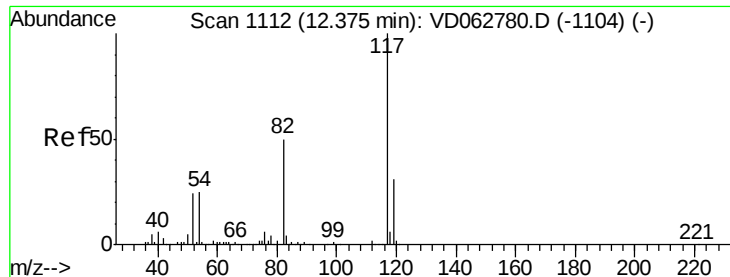
Tot Ion: 43 Resp: 4430
Ion Ratio Lower Upper
43 100
58 19.3 26.6 40.0#



#62
4-Bromofluorobenzene
Concen: 47.496 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Tgt Ion: 95 Resp: 422544
Ion Ratio Lower Upper
95 100
174 86.0 0.0 158.0
176 83.9 0.0 151.6

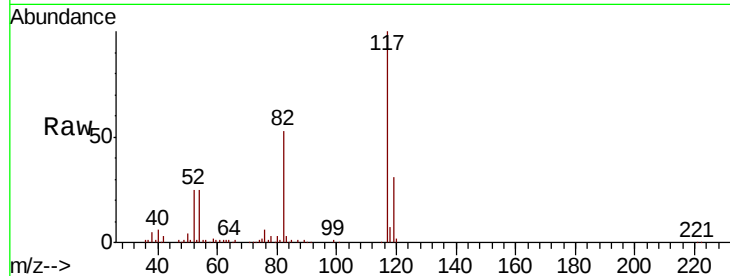




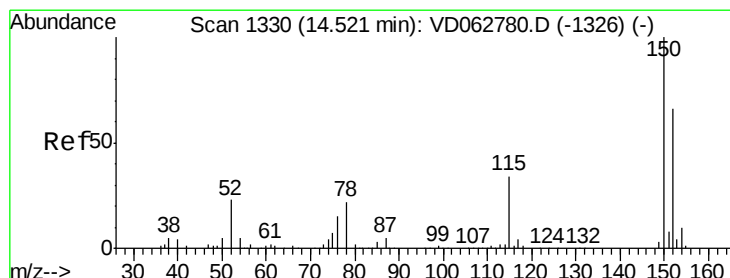
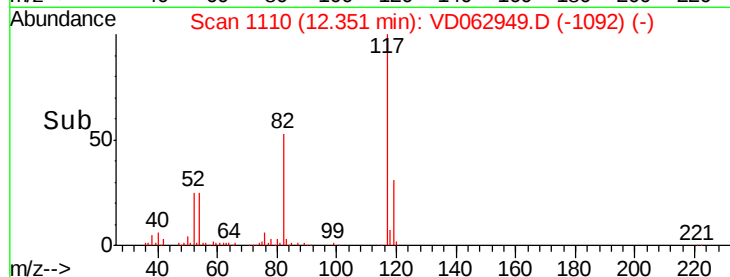
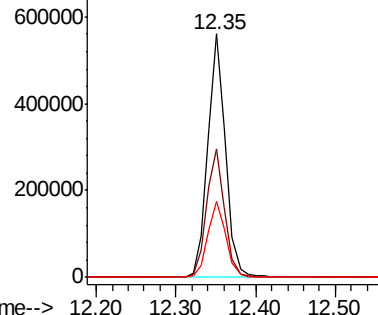
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 874863
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 31.3 25.2 37.8

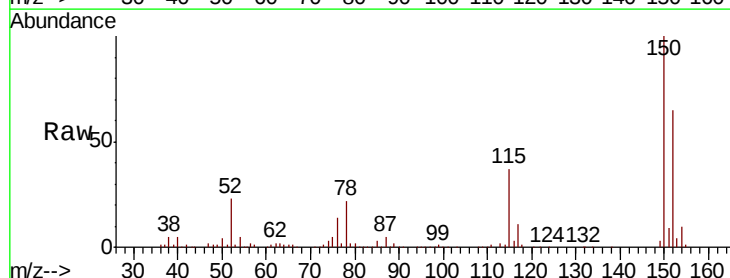


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

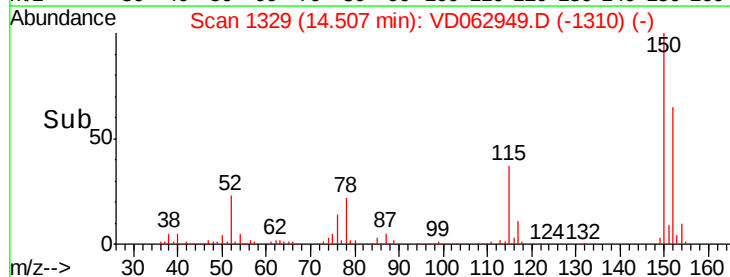
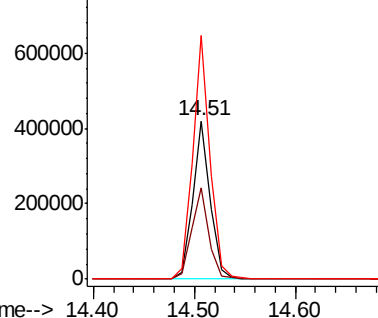


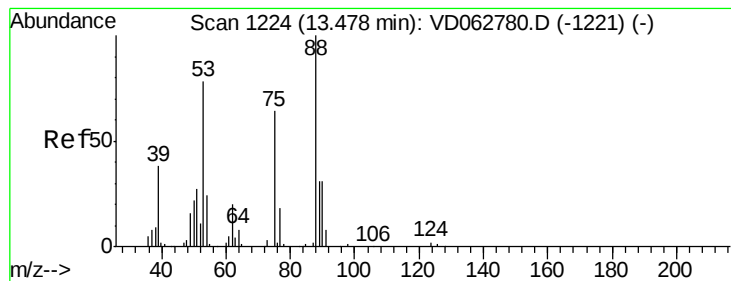
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062949.D
Acq: 28 Jun 2019 1:33

Tgt Ion:152 Resp: 504459
Ion Ratio Lower Upper
152 100
115 57.6 29.2 87.6
150 153.9 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





#81

trans-1,4-Dichloro-2-butene

Concen: 133.614 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062949.D

Acq: 28 Jun 2019 1:33

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 203933

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

