

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06347.D
 Acq On : 3 Aug 2019 6:53
 Operator : VA/AP
 Sample : K4129-09
 Misc : 5.69g/5ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:45:50 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	942644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1230246	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	920226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	463901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	484353	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	6.91	113	518158	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.40	98	1022105	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
62) 4-Bromofluorobenzene	13.55	95	415936	38.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.66%	

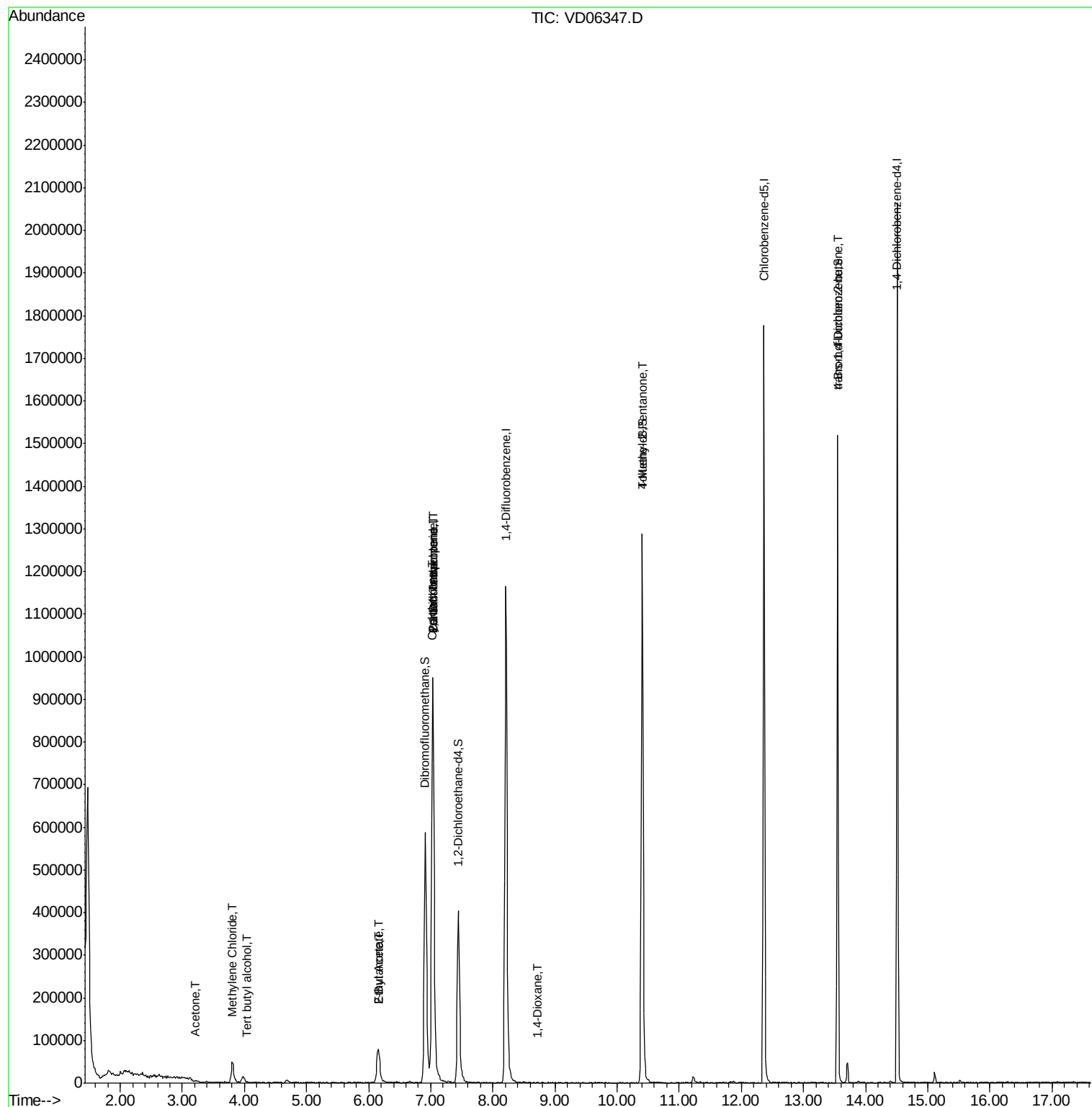
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1151	2.508	ug/l #	69
16) Acetone	3.21	43	5091	2.498	ug/l #	62
20) Methylene Chloride	3.81	84	30152	3.660	ug/l	96
25) 2-Butanone	6.17	43	7514	3.674	ug/l #	56
31) Cyclohexane	7.02	56	19953	2.142	ug/l #	13
36) 1,1-Dichloropropene	7.03	75	69257	6.168	ug/l #	53
37) Ethyl Acetate	6.17	43	8193	1.624	ug/l #	35
38) Carbon Tetrachloride	7.03	117	89580	5.300	ug/l #	14
49) 1,4-Dioxane	8.72	88	288	4.035	ug/l #	22
51) 4-Methyl-2-Pentanone	10.39	43	4729	1.079	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	185239	119.722	ug/l #	3

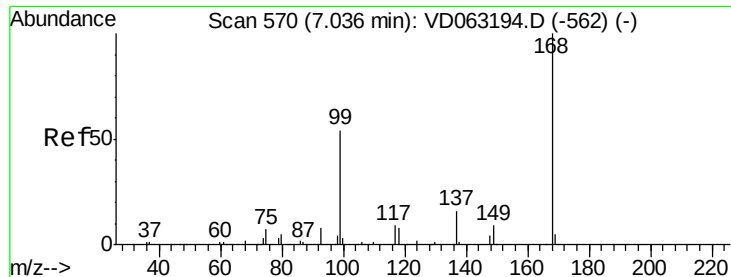
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD06347.D

Acq: 3 Aug 2019 6:53

Instrument :

MSVOA_D

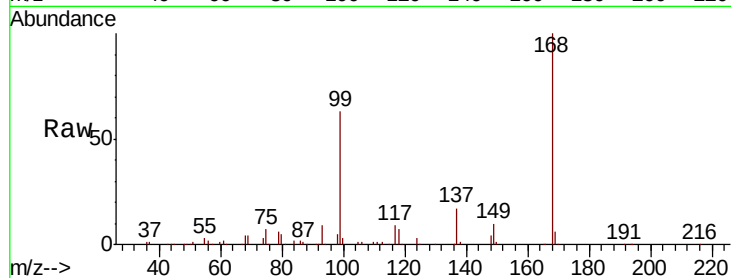
ClientSampleId :

Tgt Ion:168 Resp: 942644

Ion Ratio Lower Upper

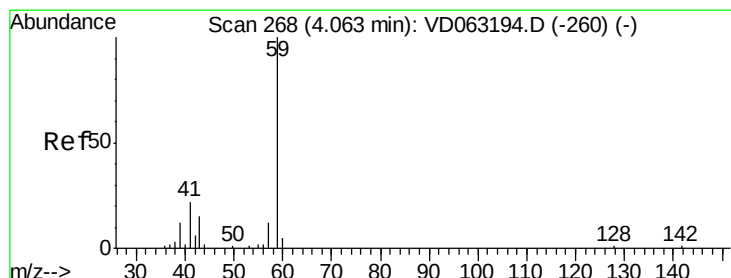
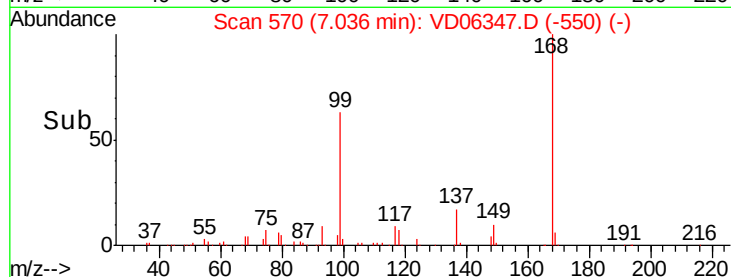
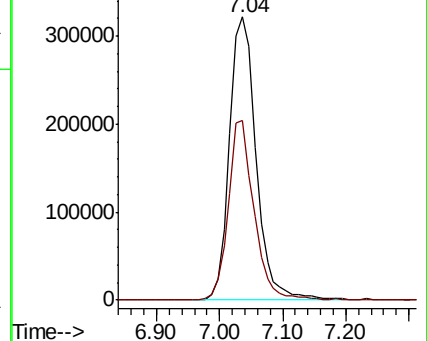
168 100

99 63.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.508 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06347.D

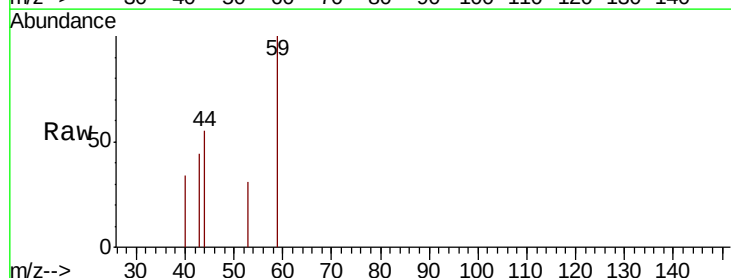
Acq: 3 Aug 2019 6:53

Tgt Ion: 59 Resp: 1151

Ion Ratio Lower Upper

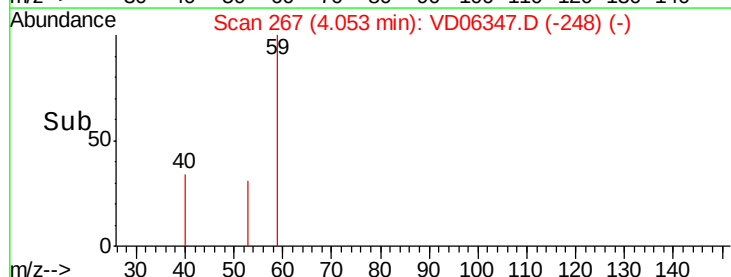
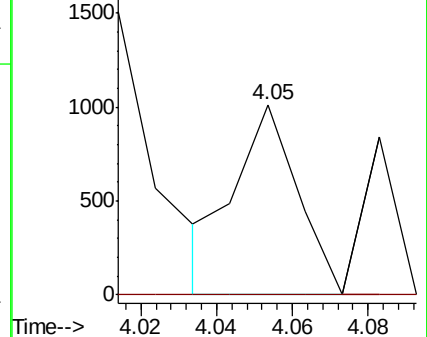
59 100

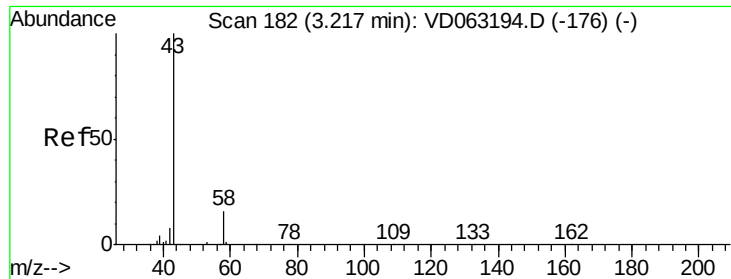
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.498 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD06347.D

Acq: 3 Aug 2019 6:53

Instrument :

MSVOA_D

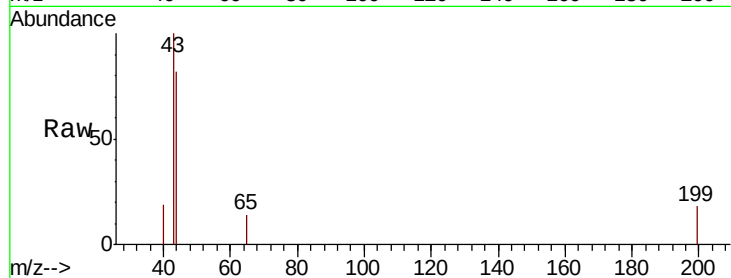
ClientSampleId :

Tgt Ion: 43 Resp: 5091

Ion Ratio Lower Upper

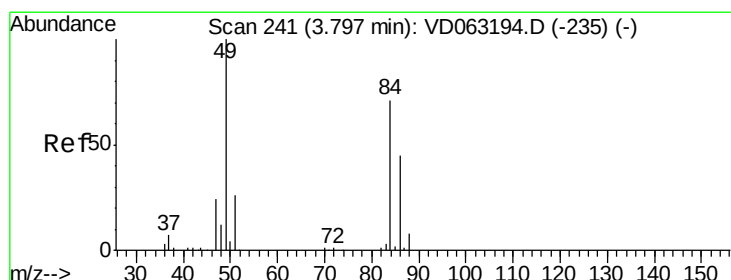
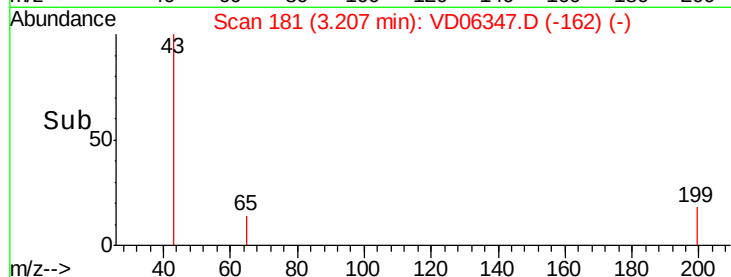
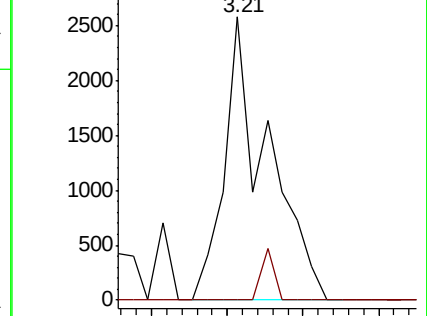
43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.660 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06347.D

Acq: 3 Aug 2019 6:53

Tgt Ion: 84 Resp: 30152

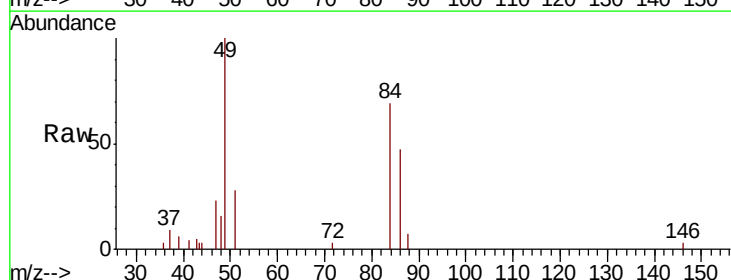
Ion Ratio Lower Upper

84 100

49 144.1 112.5 168.7

51 40.9 29.6 44.4

86 67.9 50.4 75.6

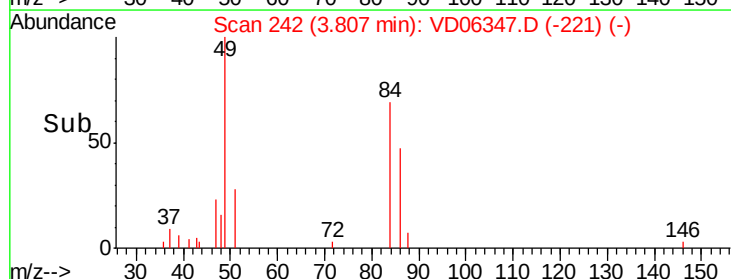
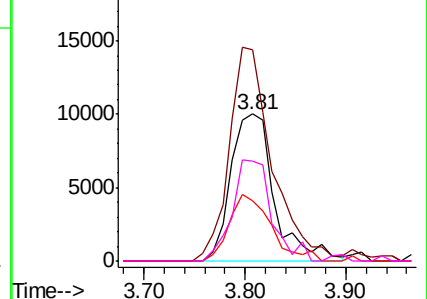


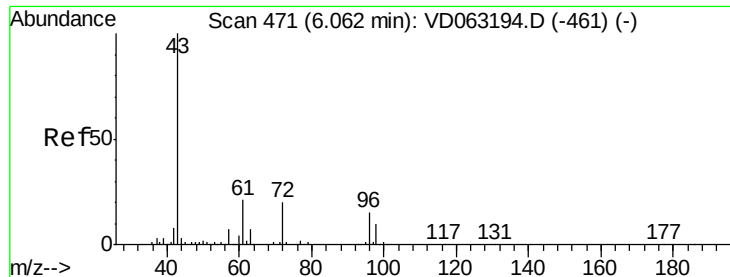
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 3.674 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.11 min

Lab File: VD06347.D

Acq: 3 Aug 2019 6:53

Instrument :

MSVOA_D

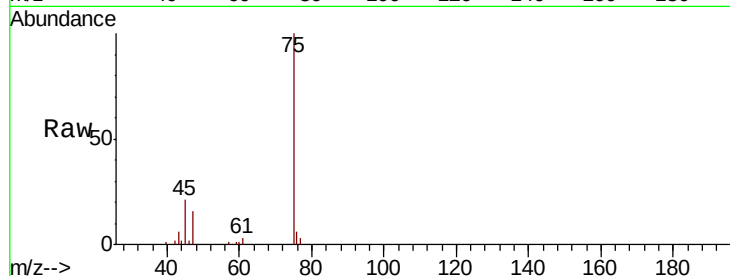
ClientSampleId :

Tgt Ion: 43 Resp: 7514

Ion Ratio Lower Upper

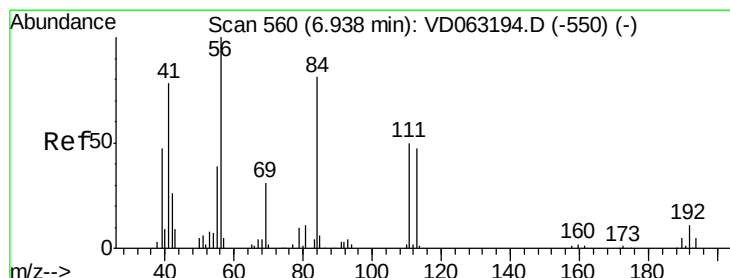
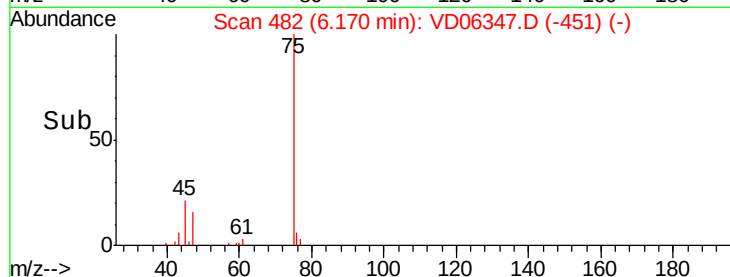
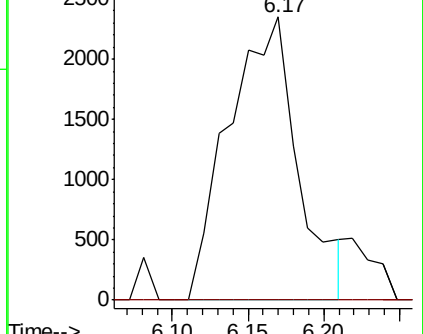
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.142 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD06347.D

Acq: 3 Aug 2019 6:53

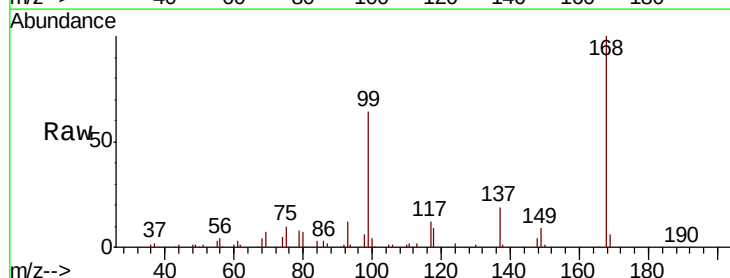
Tgt Ion: 56 Resp: 19953

Ion Ratio Lower Upper

56 100

69 190.2 24.5 36.7#

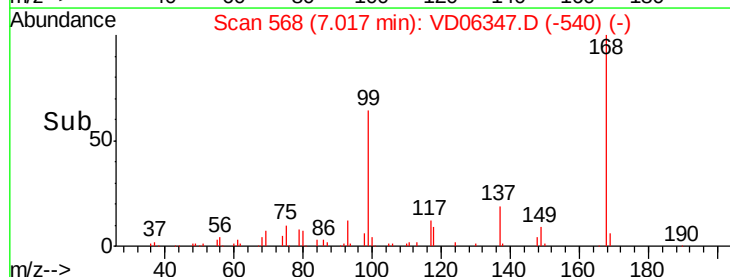
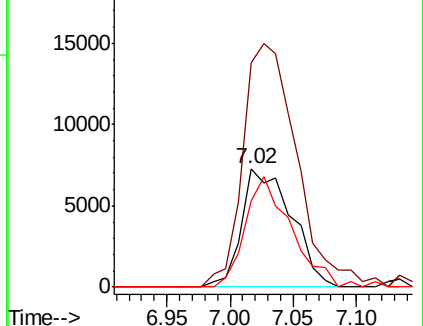
84 73.1 64.9 97.3

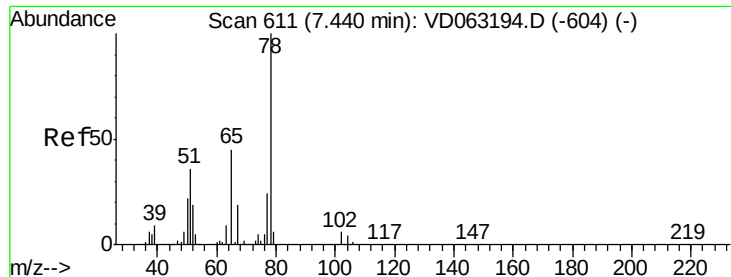


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

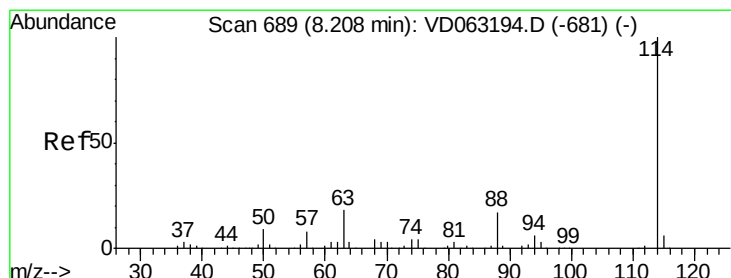
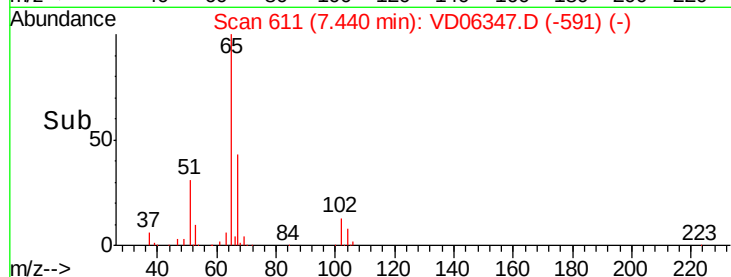
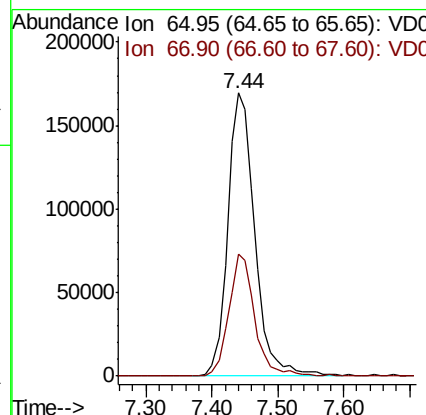
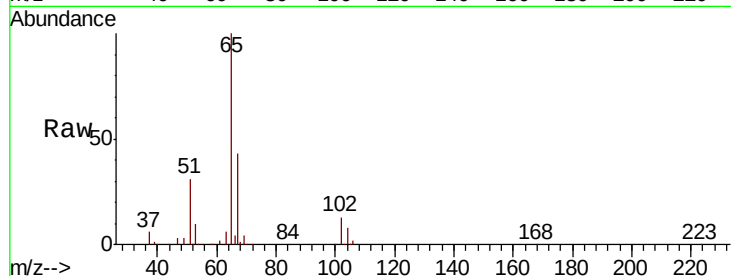




#33
 1,2-Dichloroethane-d4
 Concen: 46.307 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

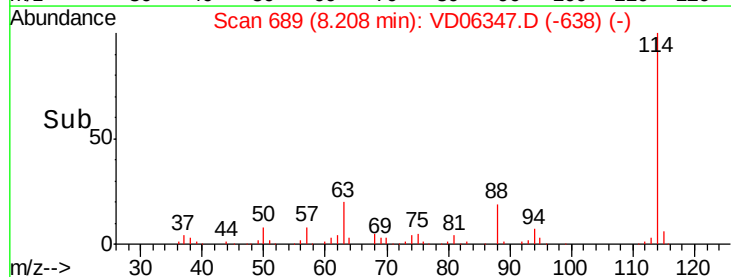
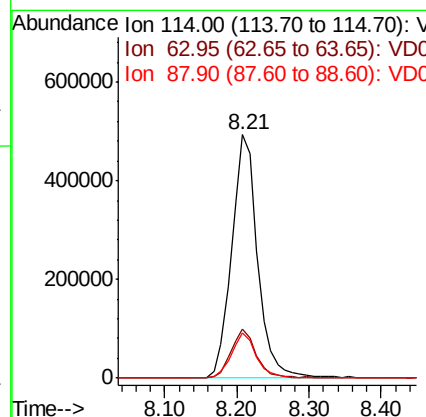
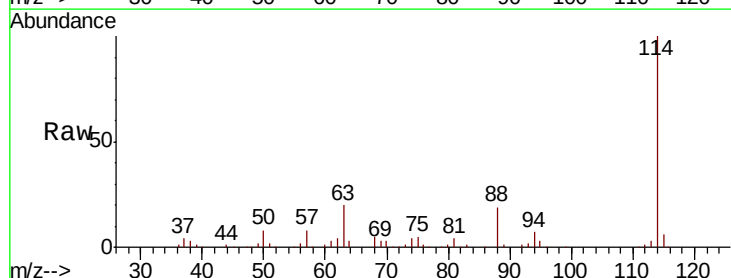
Instrument :
 MSVOA_D
 ClientSampleId :

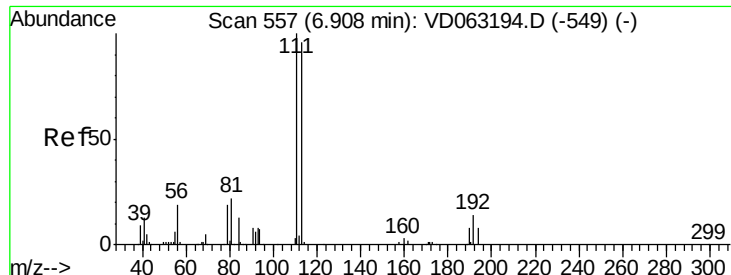
Tgt Ion: 65 Resp: 484353
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Tgt Ion: 114 Resp: 1230246
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 35.2
 88 18.6 0.0 34.6

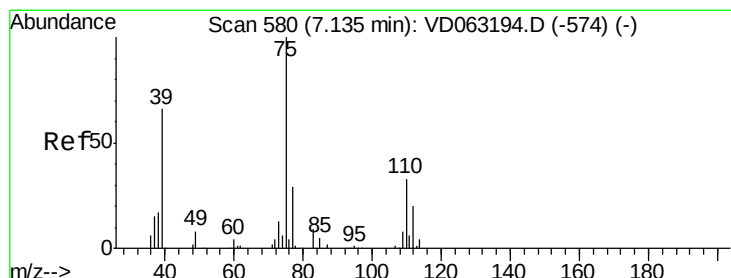
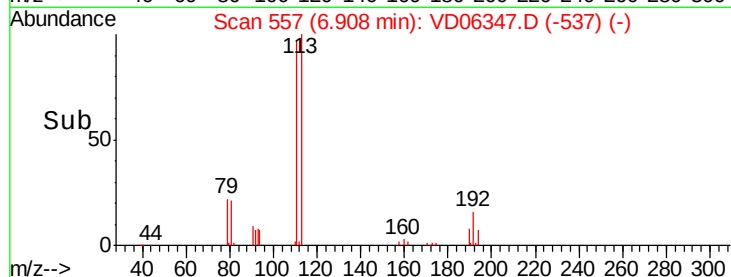
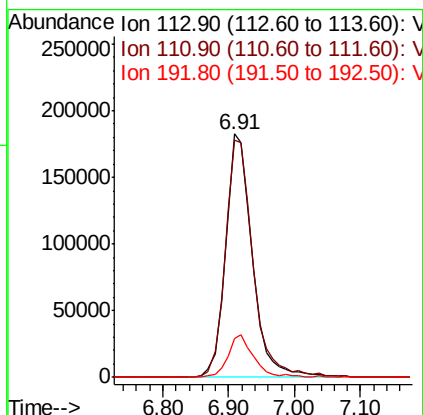
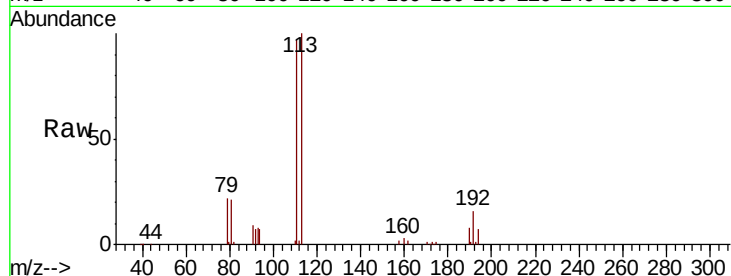




#35
 Dibromofluoromethane
 Concen: 49.331 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

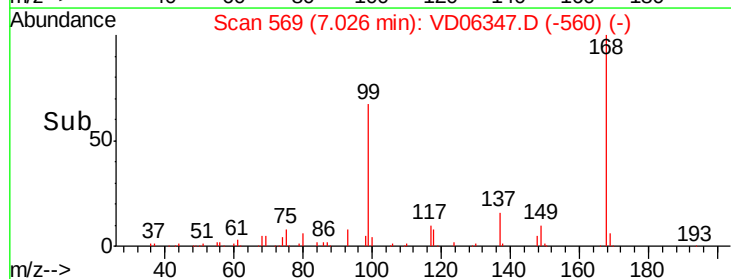
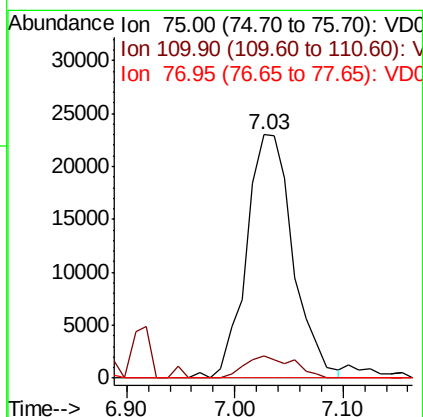
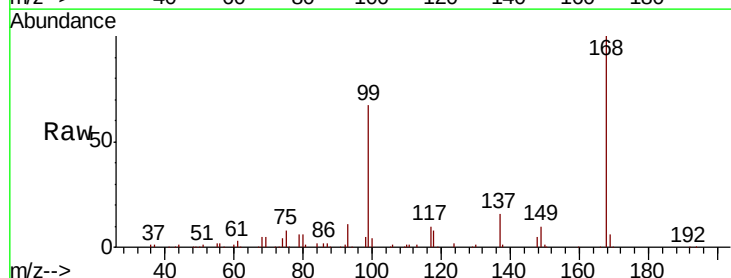
Instrument :
 MSVOA_D
 ClientSampled :

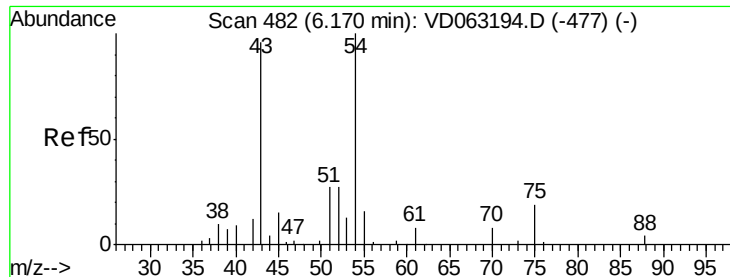
Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	97.3	518158	83.2	124.8
192	15.9		11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.168 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69257		
110	9.0		16.1	48.2#
77	0.0		22.7	34.1#

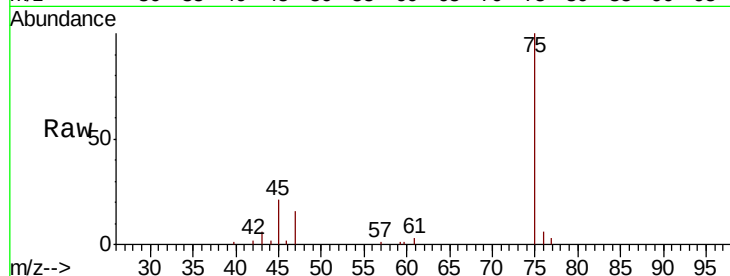




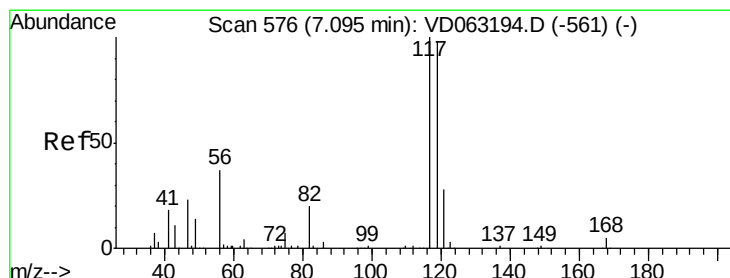
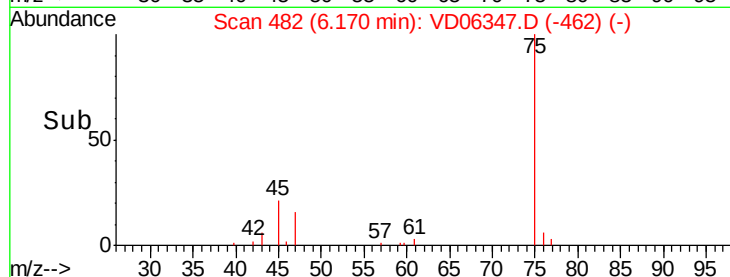
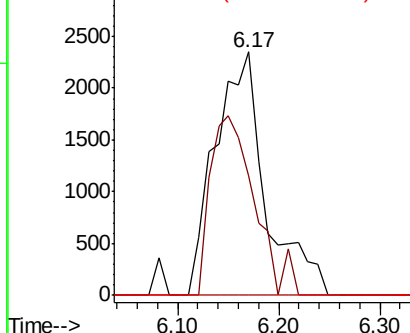
#37
Ethyl Acetate
 Concen: 1.624 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 8193
 Ion Ratio Lower Upper
 43 100
 61 48.9 11.3 16.9#
 70 0.0 5.1 7.7#

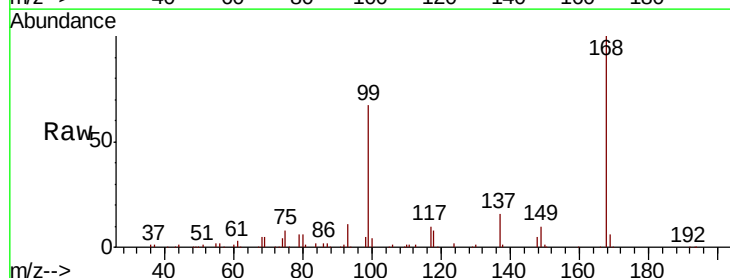


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

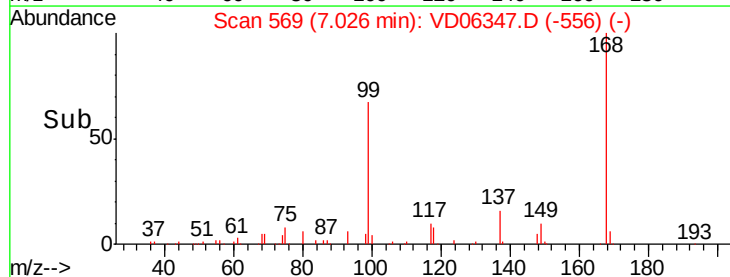
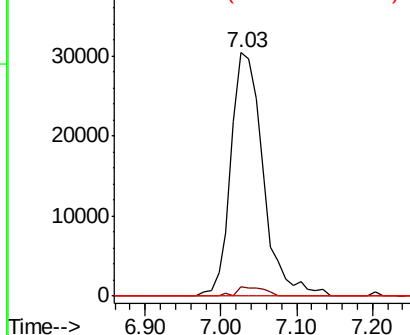


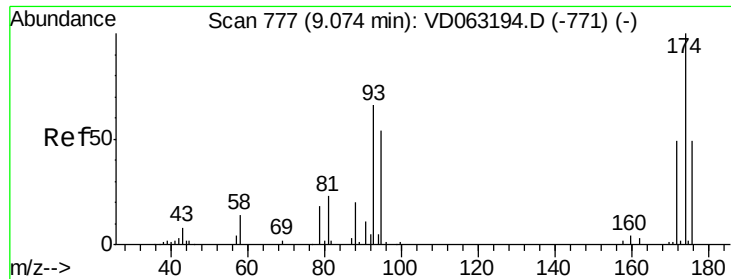
#38
Carbon Tetrachloride
 Concen: 5.300 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Tgt Ion: 117 Resp: 89580
 Ion Ratio Lower Upper
 117 100
 119 4.0 78.2 117.2#
 121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

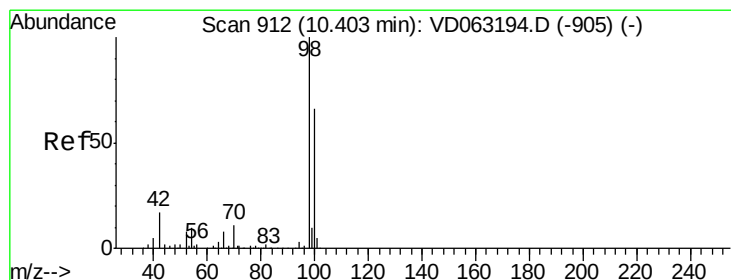
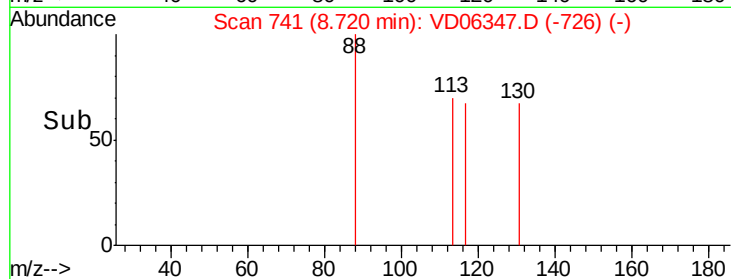
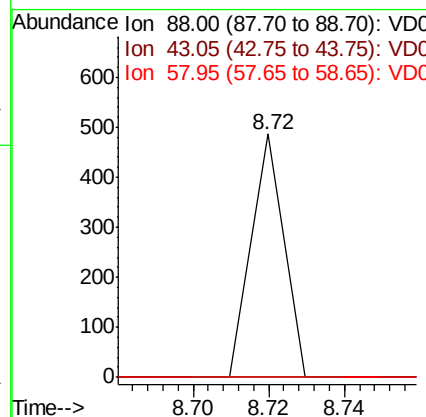
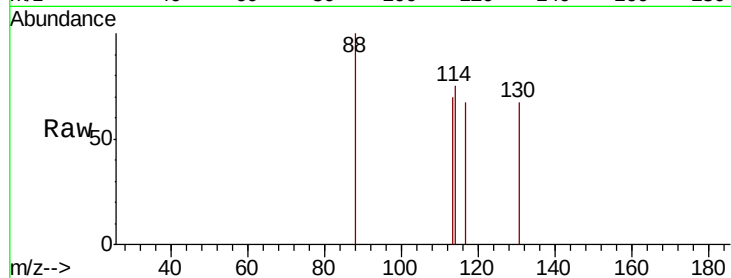




#49
 1,4-Dioxane
 Concen: 4.035 ug/l
 RT: 8.72 min Scan# 741
 Delta R.T. -0.35 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

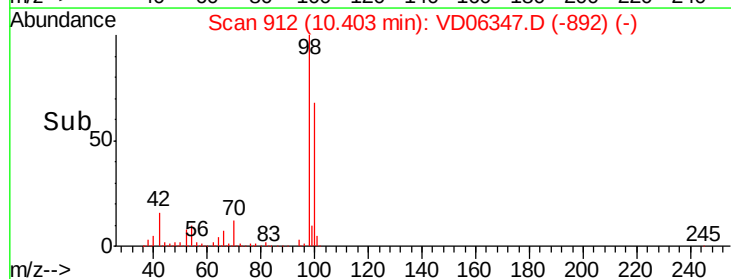
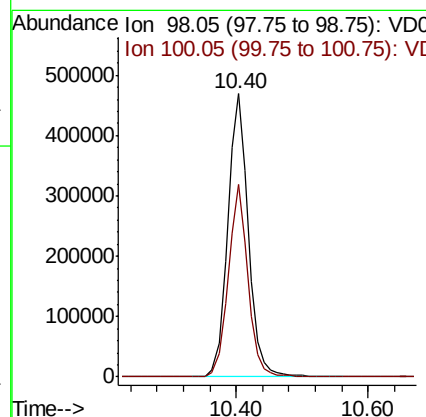
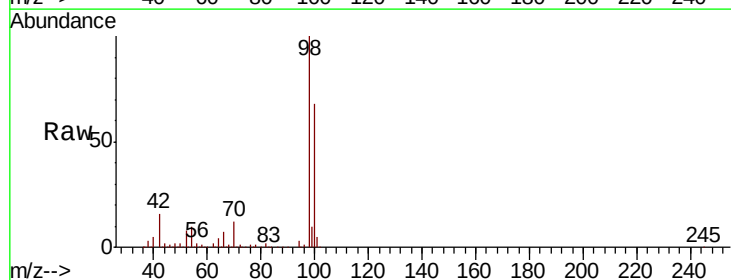
Instrument :
 MSVOA_D
 ClientSampleId :

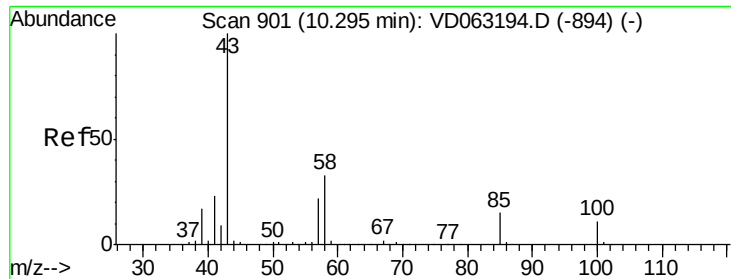
Tgt Ion: 88 Resp: 288
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.7 46.1#
 58 0.0 56.5 84.7#



#50
 Toluene-d8
 Concen: 43.481 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Tgt Ion: 98 Resp: 1022105
 Ion Ratio Lower Upper
 98 100
 100 67.9 53.2 79.8

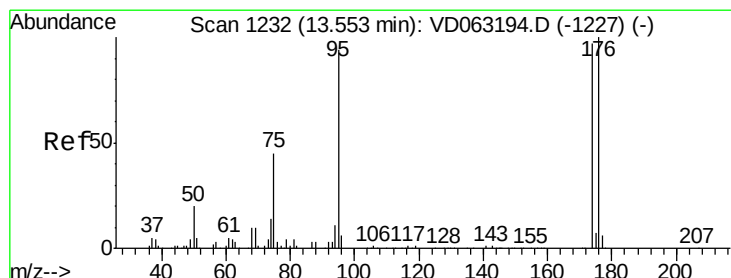
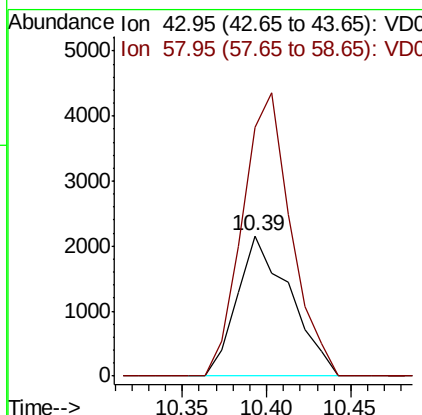
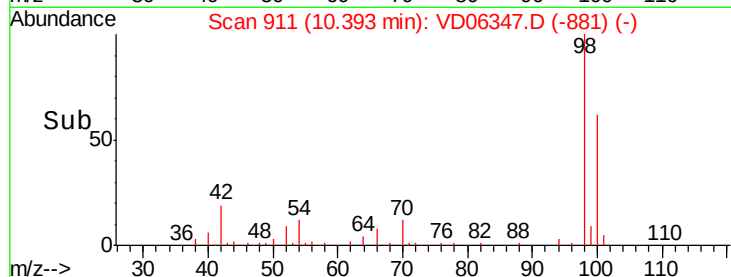
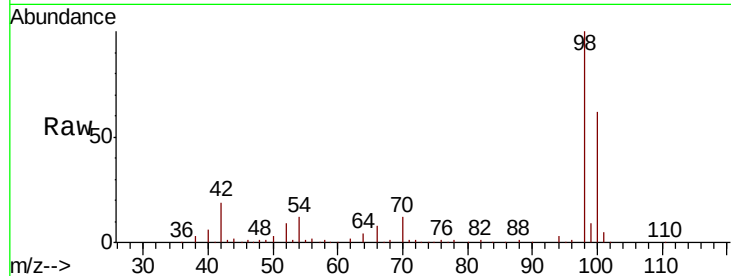




#51
 4-Methyl-2-Pentanone
 Concen: 1.079 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. 0.10 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

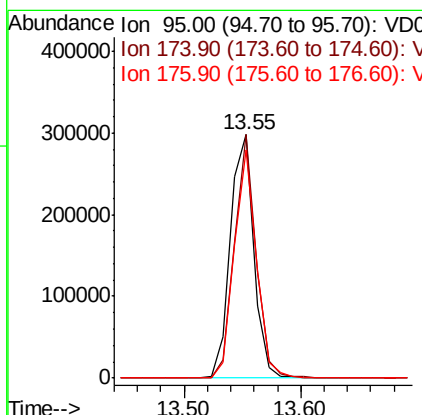
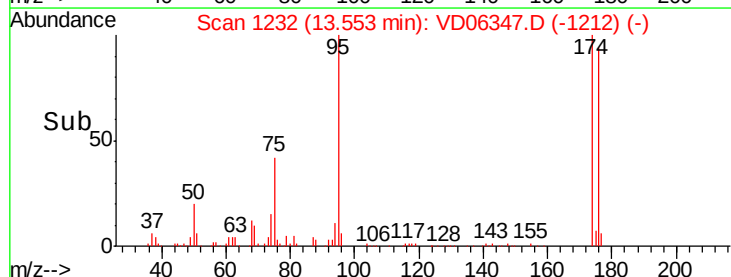
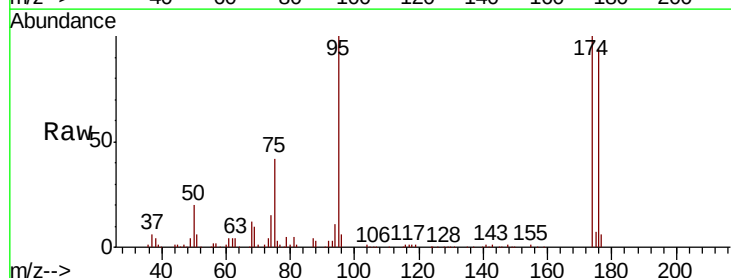
Instrument :
 MSVOA_D
 ClientSampled :

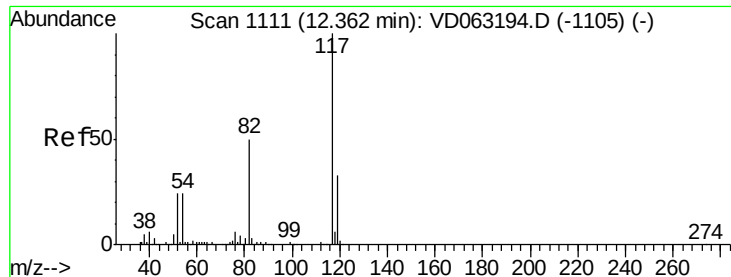
Tgt Ion: 43 Resp: 4729
 Ion Ratio Lower Upper
 43 100
 58 177.4 26.2 39.2#



#62
 4-Bromofluorobenzene
 Concen: 38.829 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD06347.D
 Acq: 3 Aug 2019 6:53

Tgt Ion: 95 Resp: 415936
 Ion Ratio Lower Upper
 95 100
 174 100.0 0.0 205.4
 176 93.6 0.0 211.8

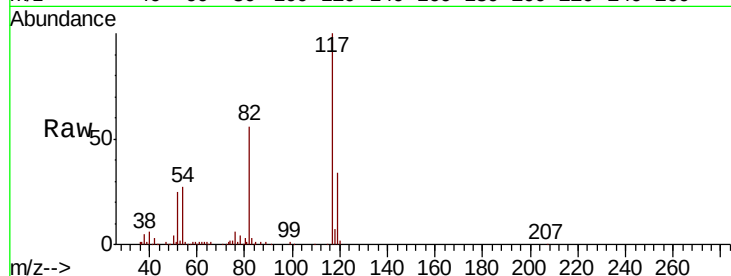




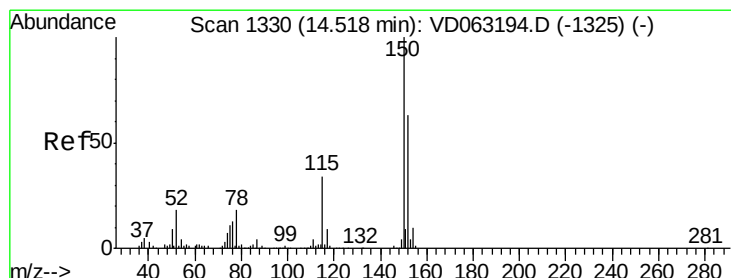
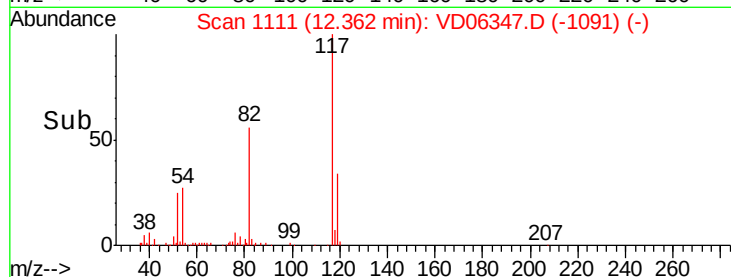
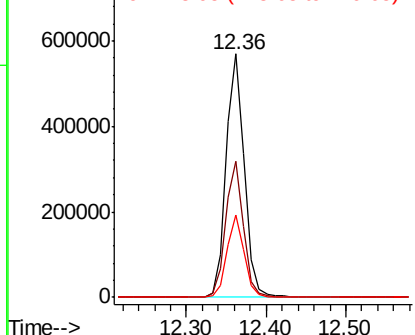
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06347.D
Acq: 3 Aug 2019 6:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 920226
Ion Ratio Lower Upper
117 100
82 56.1 40.1 60.1
119 33.8 26.5 39.7

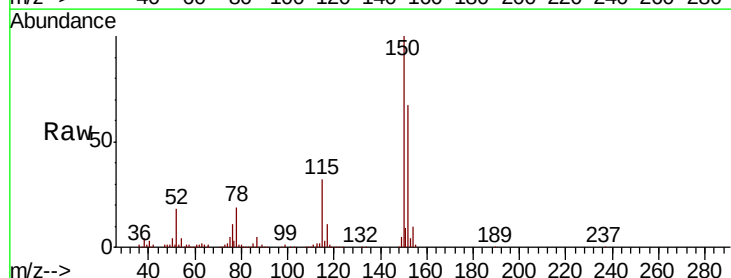


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

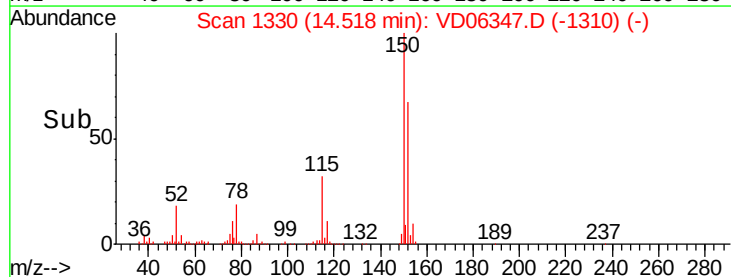
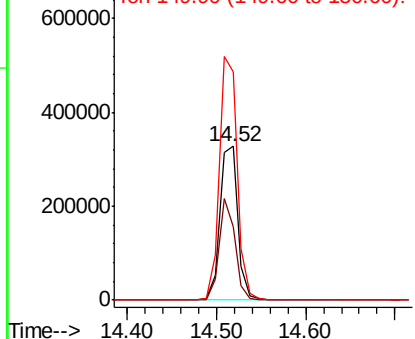


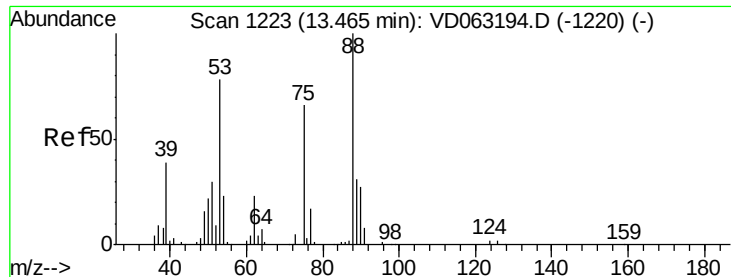
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD06347.D
Acq: 3 Aug 2019 6:53

Tgt Ion:152 Resp: 463901
Ion Ratio Lower Upper
152 100
115 48.0 27.5 82.4
150 148.9 0.0 320.6



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: 119.722 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06347.D

Acq: 3 Aug 2019 6:53

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 185239

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

