

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06346.D
 Acq On : 3 Aug 2019 6:26
 Operator : VA/AP
 Sample : K4129-07
 Misc : 5.38g/5ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:45:39 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	860907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1179526	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	914071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	372292	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	492011	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
35) Dibromofluoromethane	6.92	113	543265	53.95	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.90%	
50) Toluene-d8	10.41	98	960307	42.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.22%	
62) 4-Bromofluorobenzene	13.55	95	371097	36.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.26%	

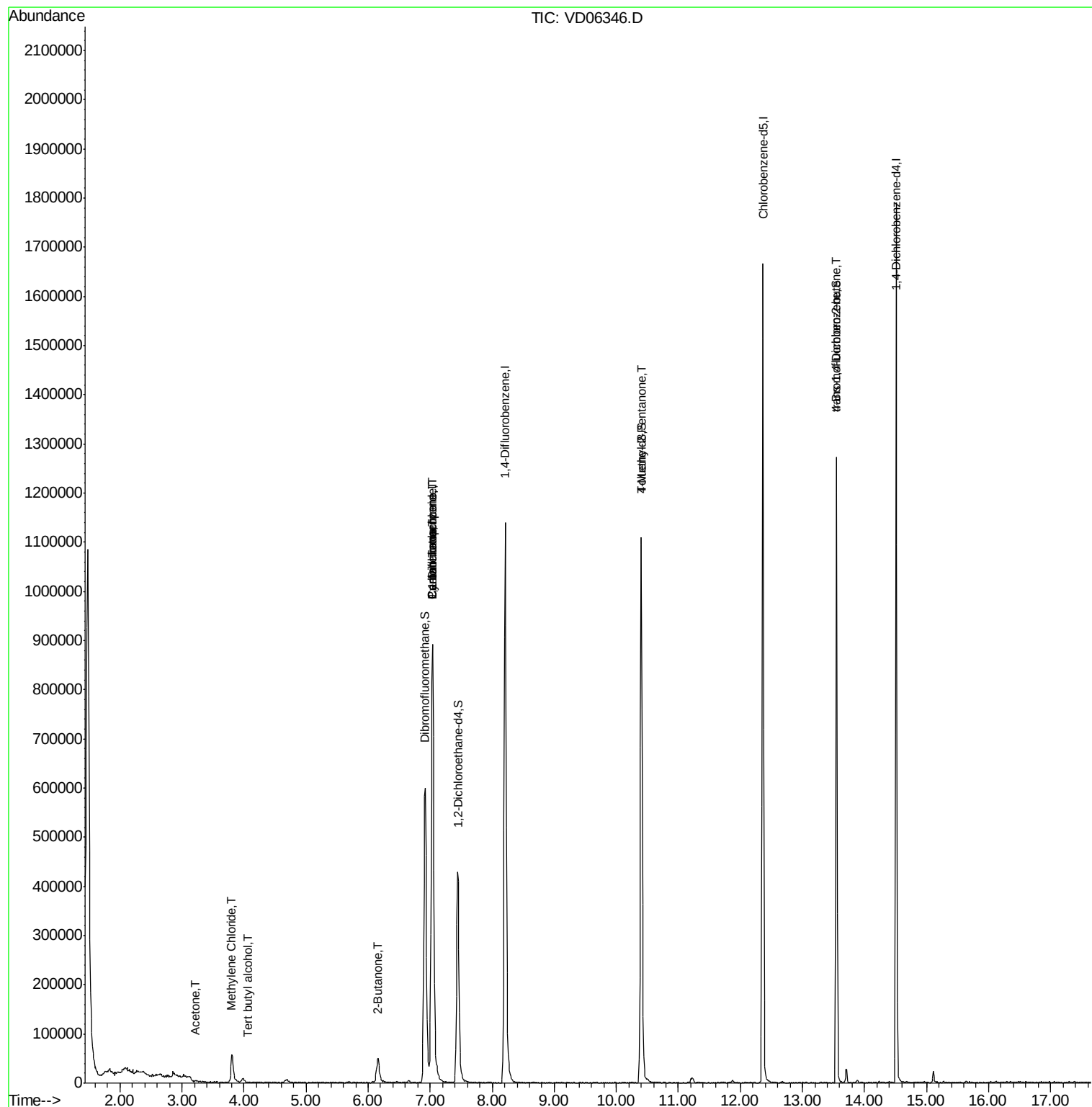
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1242	2.963	ug/l #	69
16) Acetone	3.22	43	4852	2.607	ug/l #	62
20) Methylene Chloride	3.81	84	36404	4.839	ug/l #	90
25) 2-Butanone	6.15	43	4422	2.367	ug/l #	56
31) Cyclohexane	7.04	56	18833	2.213	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	70595	6.558	ug/l #	50
38) Carbon Tetrachloride	7.04	117	84675	5.225	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	5899	1.404	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	178242	143.547	ug/l #	3

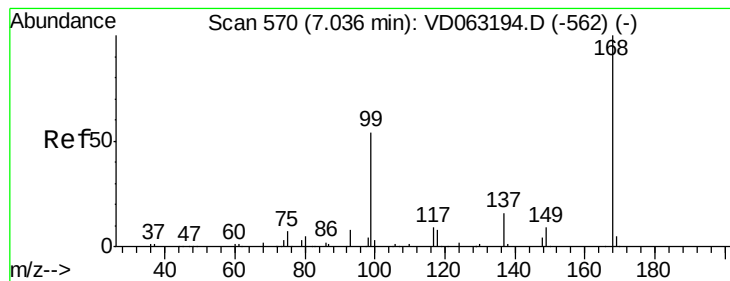
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD06346.D

Acq: 3 Aug 2019 6:26

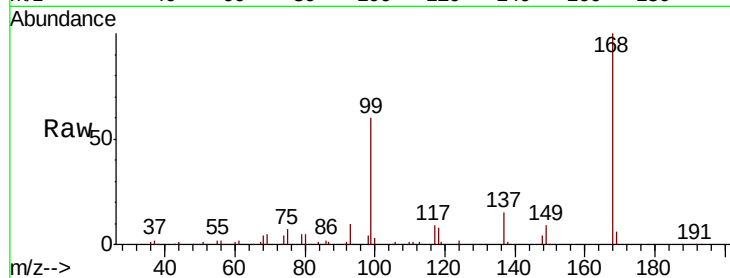
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 860907

Ion Ratio Lower Upper

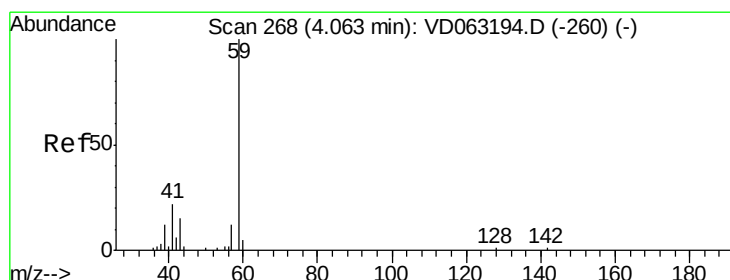
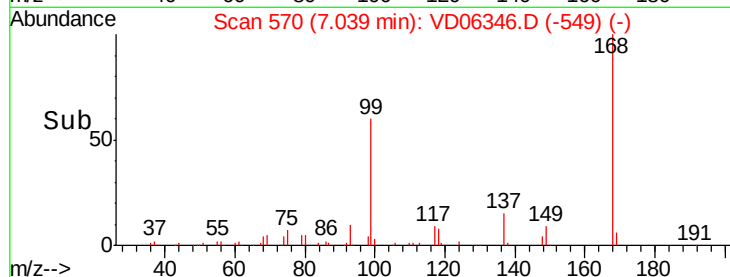
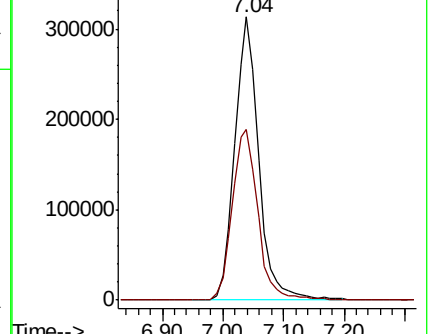
168 100

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



#11

Tert butyl alcohol

Concen: 2.963 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06346.D

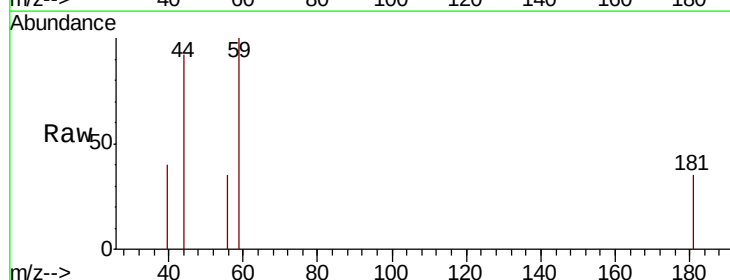
Acq: 3 Aug 2019 6:26

Tgt Ion: 59 Resp: 1242

Ion Ratio Lower Upper

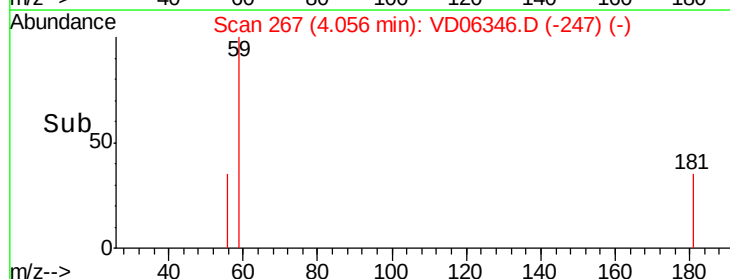
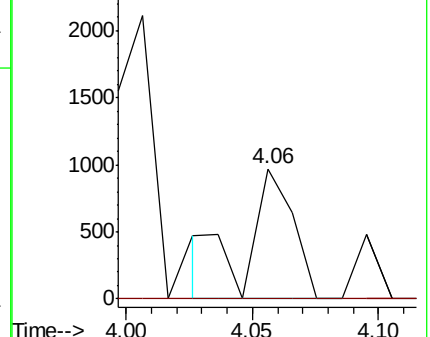
59 100

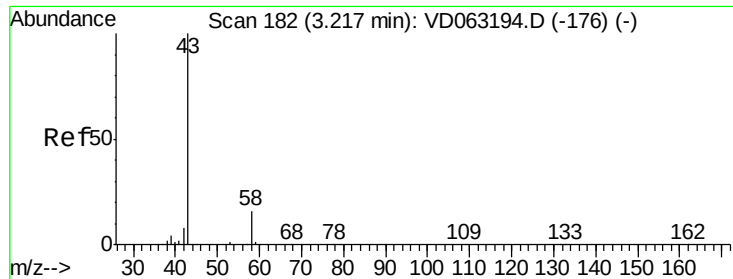
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

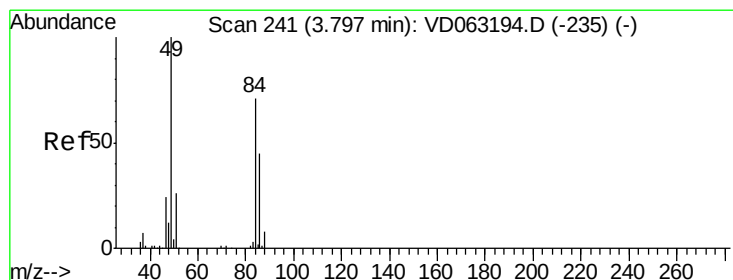
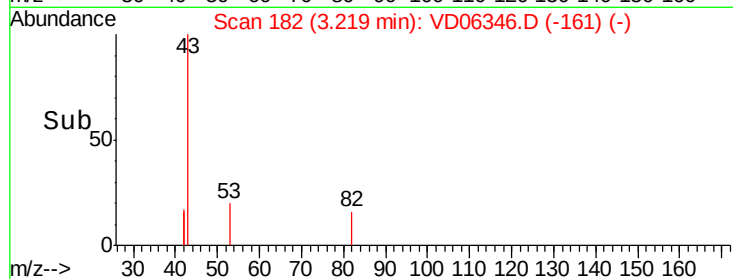
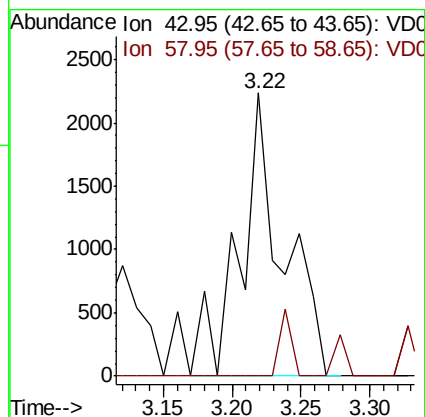
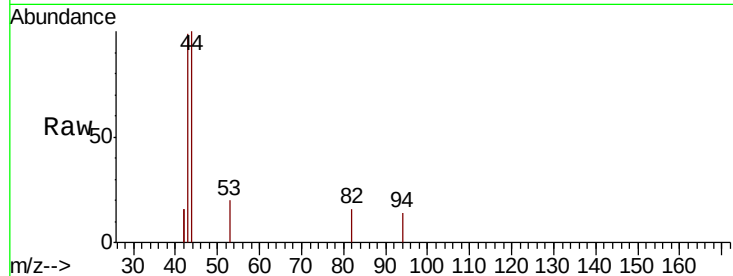




#16
Acetone
Concen: 2.607 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

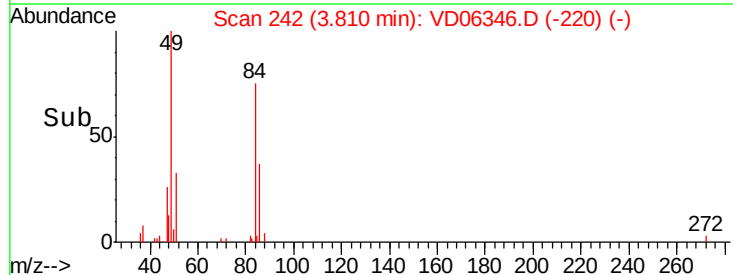
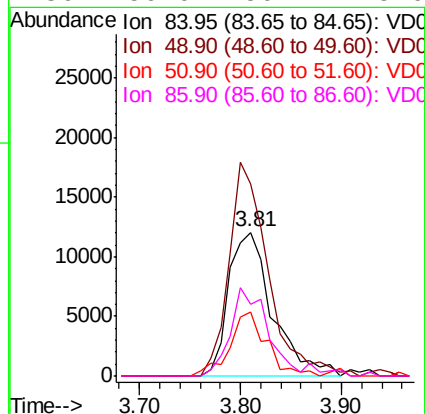
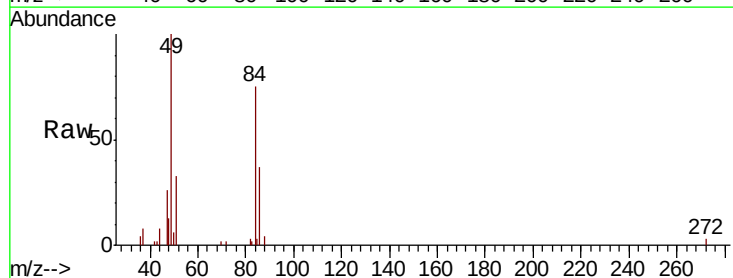
Instrument :
MSVOA_D
ClientSampleId :

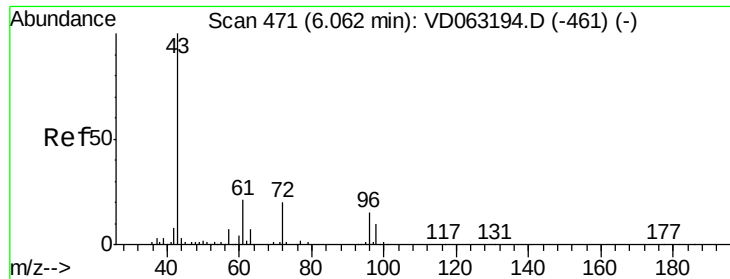
Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#20
Methylene Chloride
Concen: 4.839 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

Tgt Ion: 84 Resp: 36404
Ion Ratio Lower Upper
84 100
49 133.6 112.5 168.7
51 44.1 29.6 44.4
86 50.0 50.4 75.6#





#25

2-Butanone

Concen: 2.367 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD06346.D

Acq: 3 Aug 2019 6:26

Instrument :

MSVOA_D

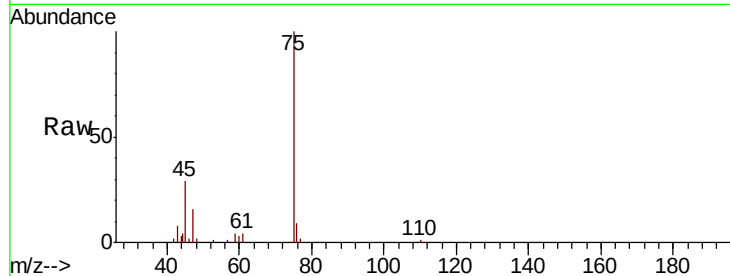
ClientSampleId :

Tgt Ion: 43 Resp: 4422

Ion Ratio Lower Upper

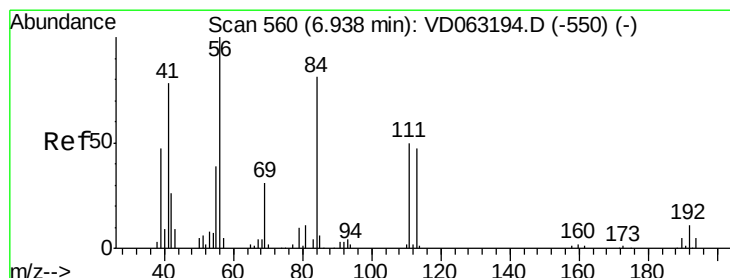
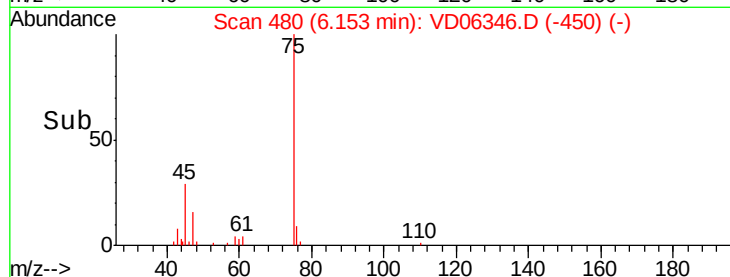
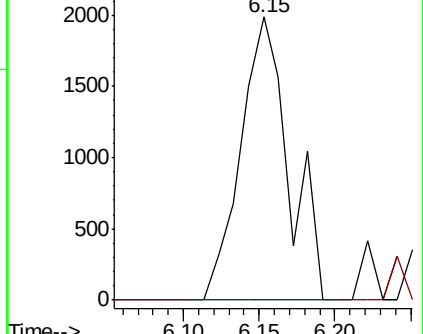
43 100

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: 2.213 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD06346.D

Acq: 3 Aug 2019 6:26

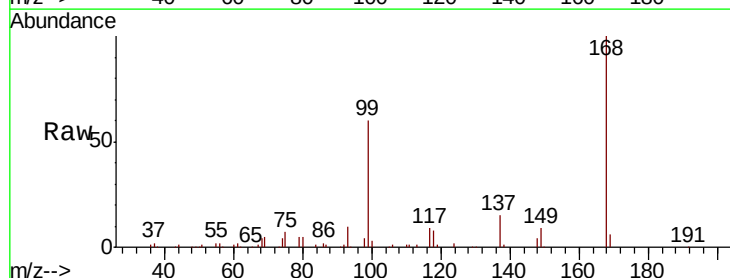
Tgt Ion: 56 Resp: 18833

Ion Ratio Lower Upper

56 100

69 227.5 24.5 36.7#

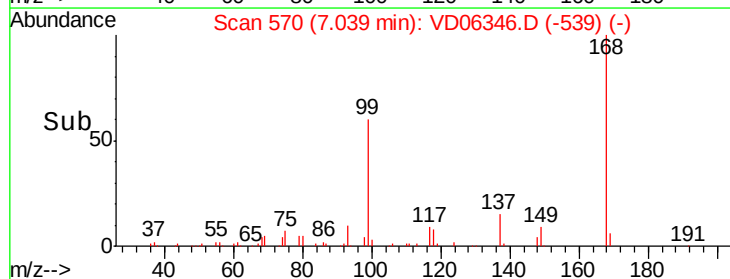
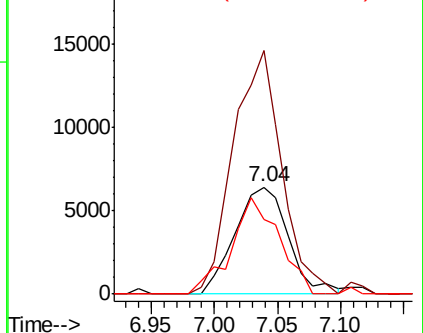
84 69.8 64.9 97.3

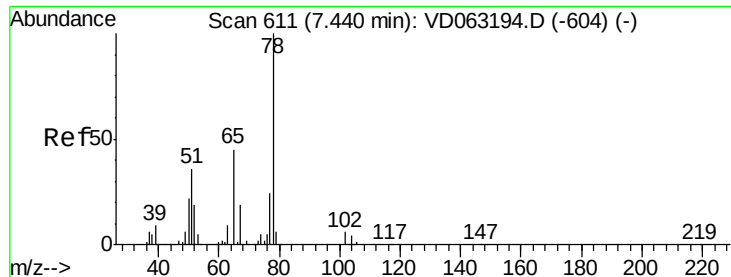


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

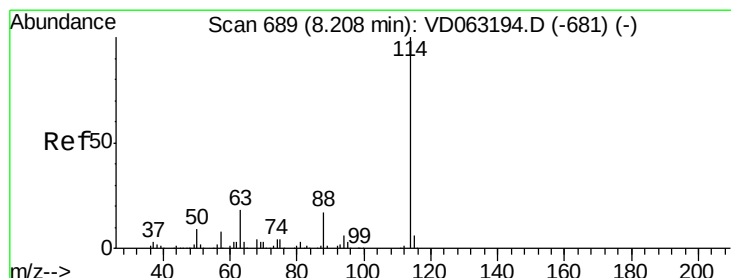
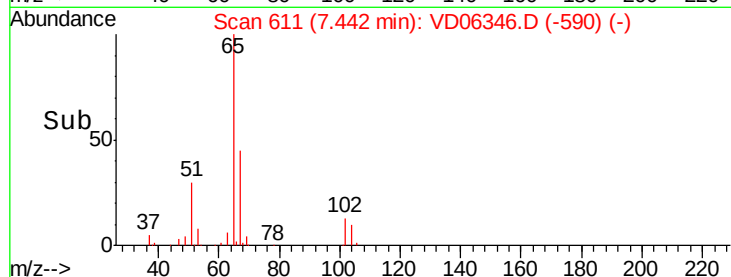
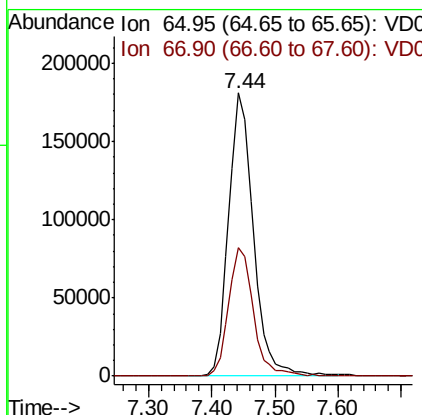
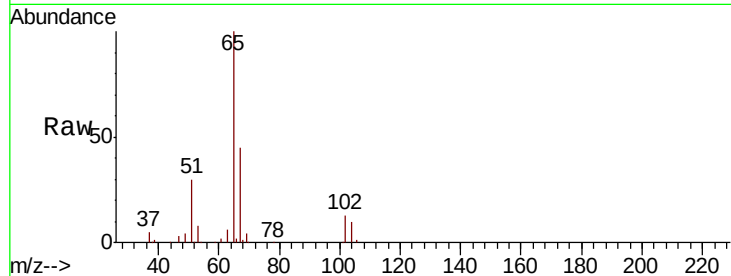




#33
 1,2-Dichloroethane-d4
 Concen: 51.506 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

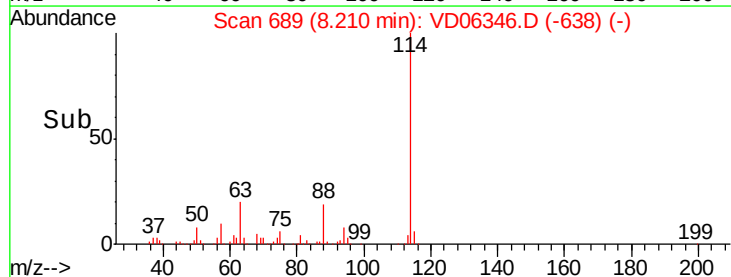
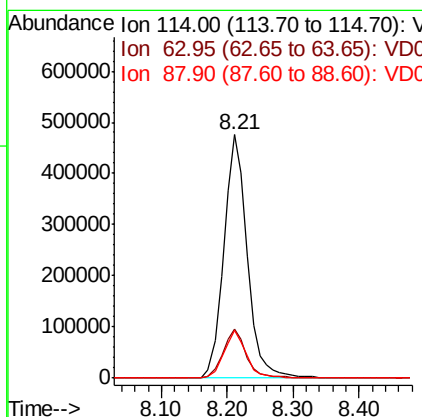
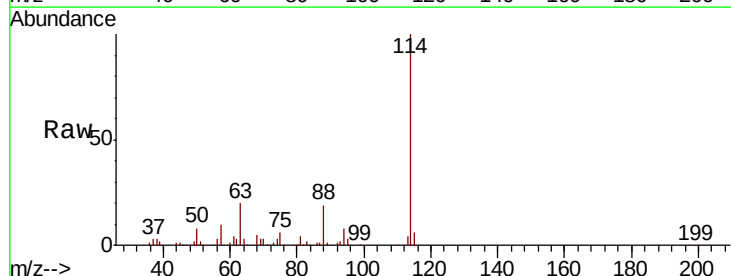
Instrument :
 MSVOA_D
 ClientSampled :

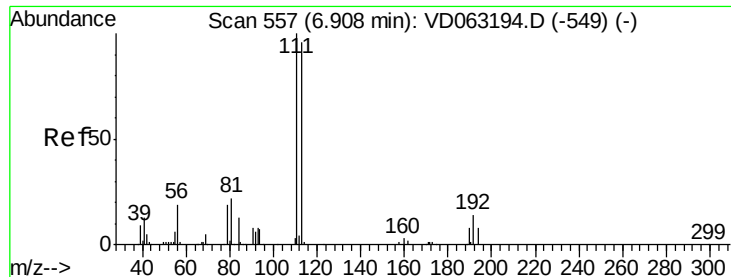
Tgt Ion: 65 Resp: 492011
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

Tgt Ion: 114 Resp: 1179526
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 35.2
 88 19.4 0.0 34.6

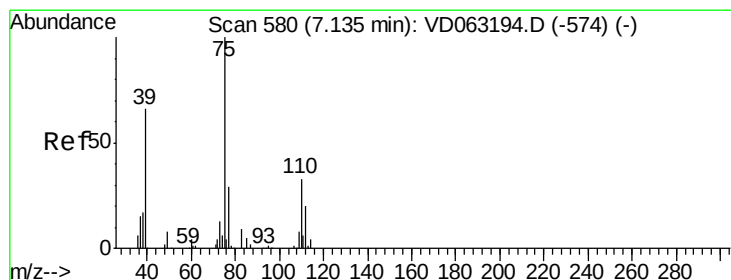
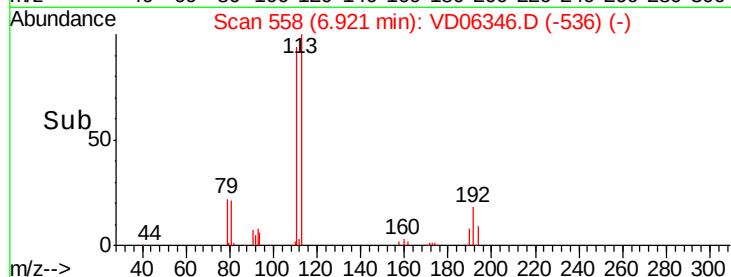
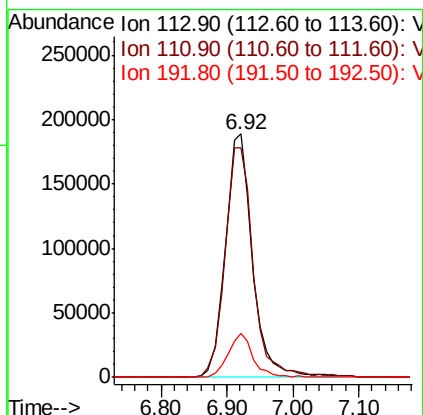
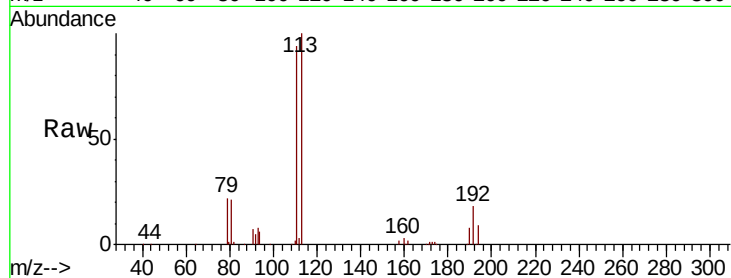




#35
 Dibromofluoromethane
 Concen: 53.945 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

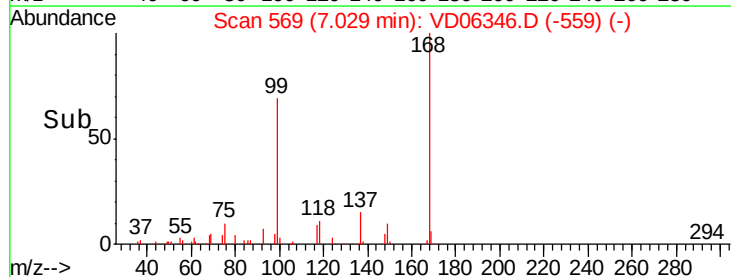
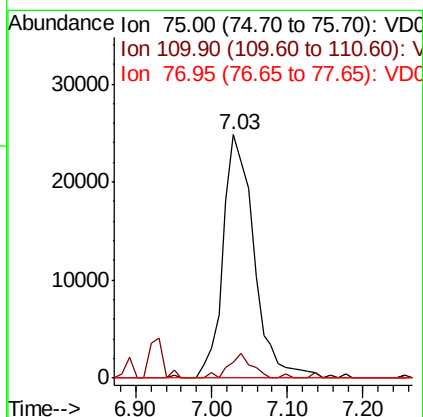
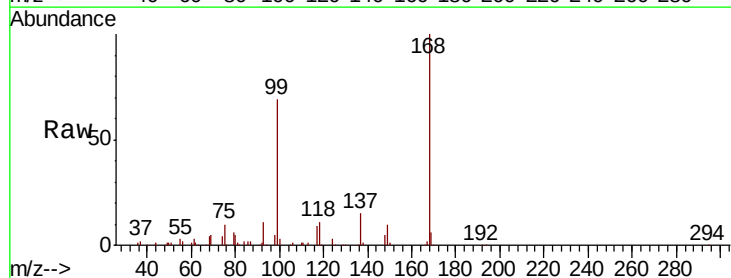
Instrument :
 MSVOA_D
 ClientSampleId :

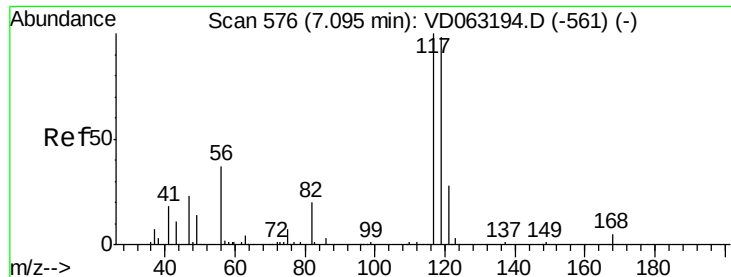
Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.4	83.2	124.8
192	18.2	11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 6.558 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.5	16.1	48.2#
77	0.0	22.7	34.1#

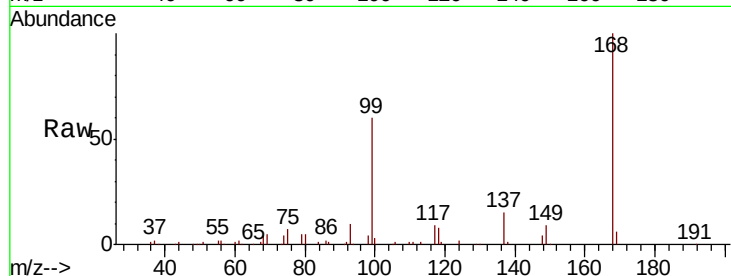




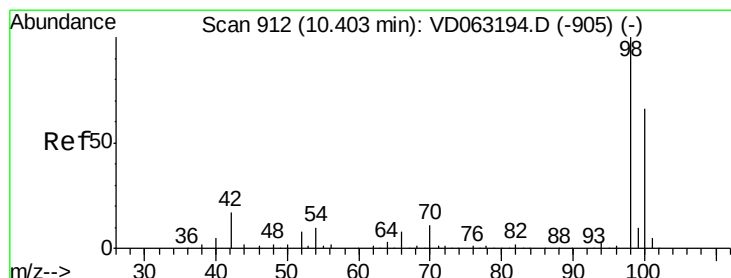
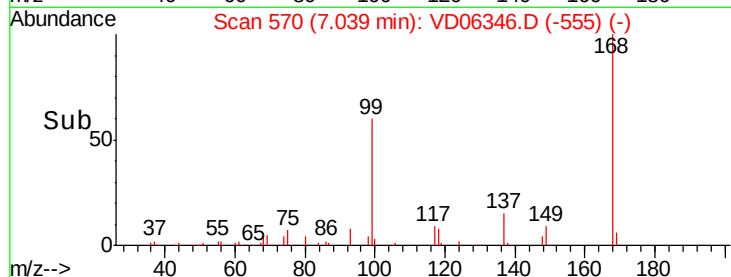
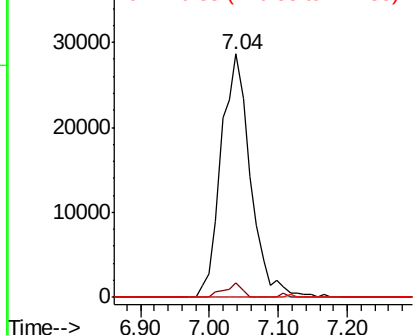
#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 84675
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 22.1 33.1#

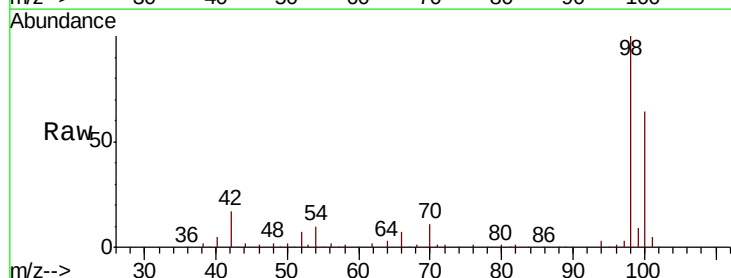


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

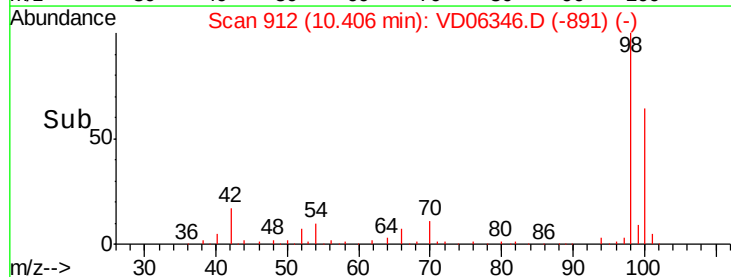
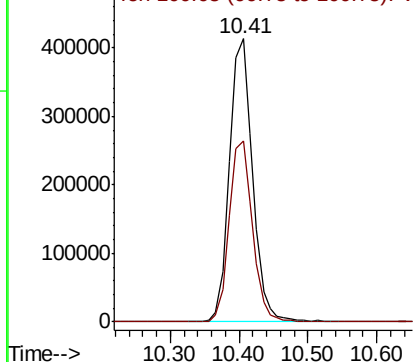


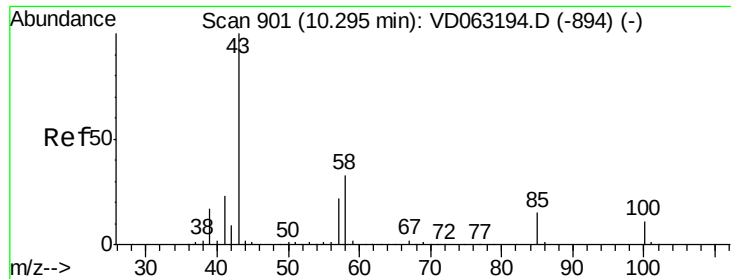
#50
Toluene-d8
Concen: 42.608 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

Tgt Ion: 98 Resp: 960307
Ion Ratio Lower Upper
98 100
100 64.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD

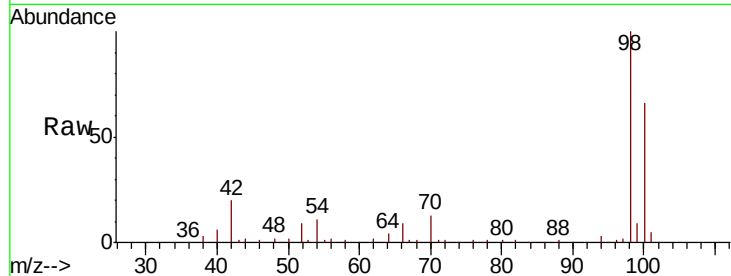




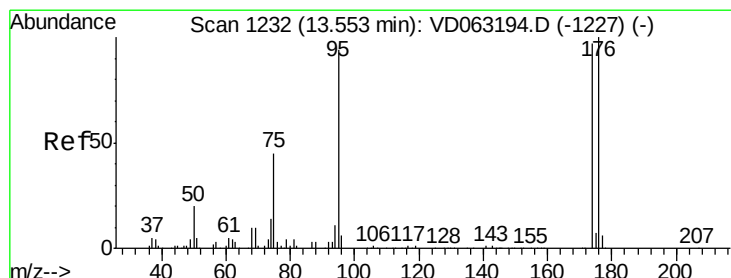
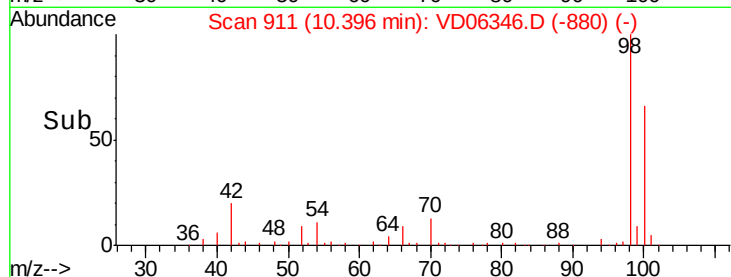
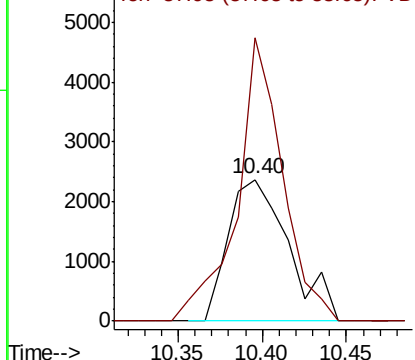
#51
 4-Methyl-2-Pentanone
 Concen: 1.404 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. 0.10 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

Instrument :
 MSVOA_D
 ClientSampleID :

Tgt Ion: 43 Resp: 5899
 Ion Ratio Lower Upper
 43 100
 58 199.5 26.2 39.2#

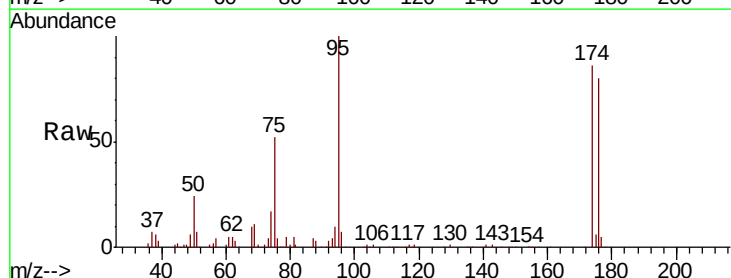


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

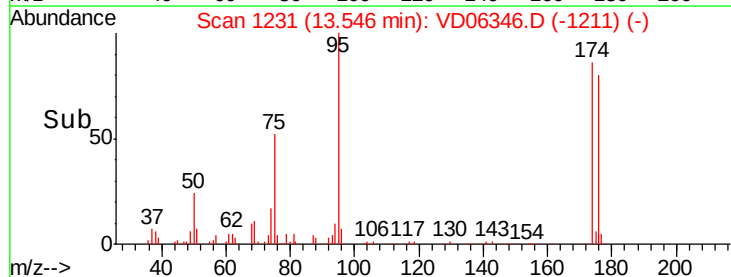
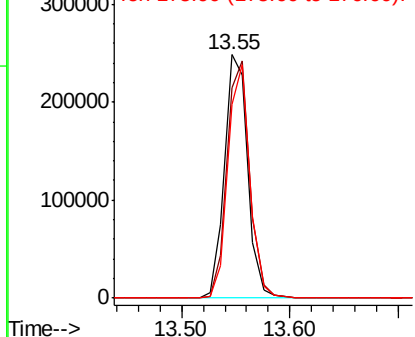


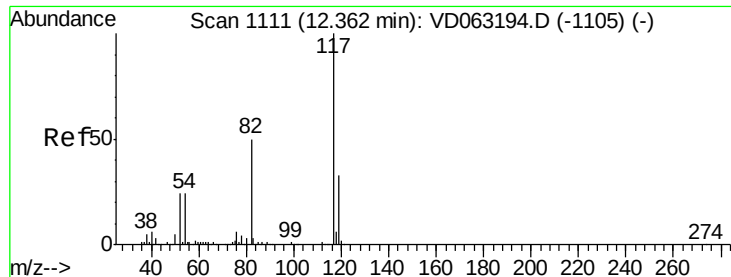
#62
 4-Bromofluorobenzene
 Concen: 36.132 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD06346.D
 Acq: 3 Aug 2019 6:26

Tgt Ion: 95 Resp: 371097
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 205.4
 176 79.5 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

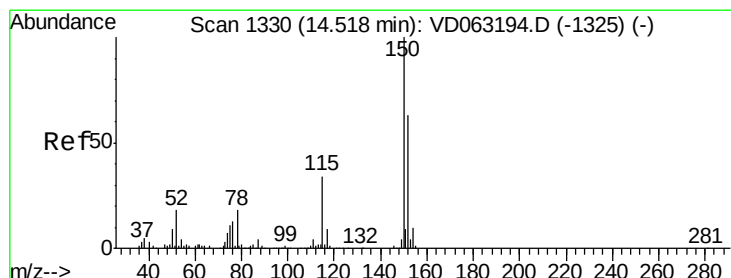
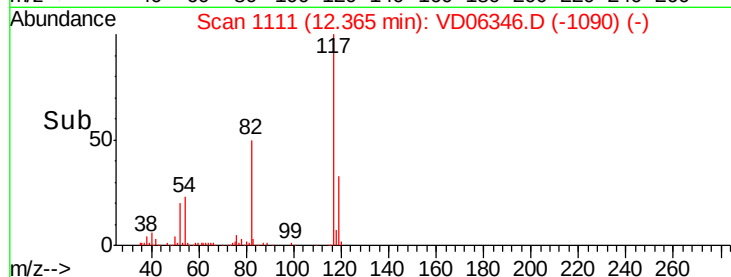
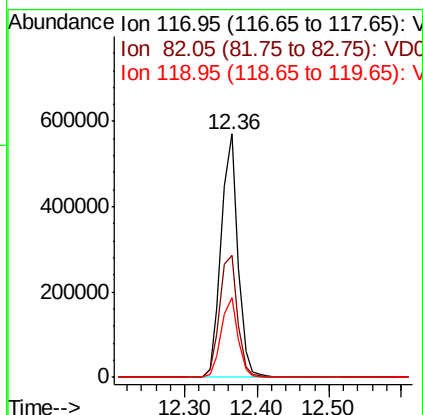
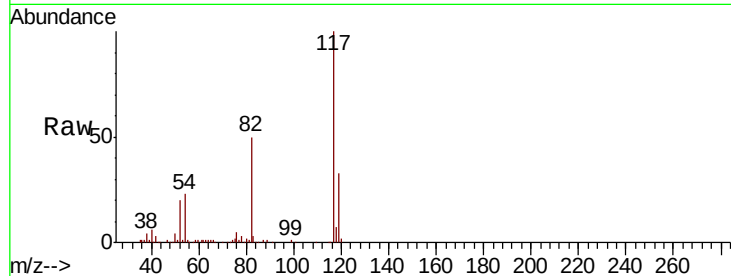




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

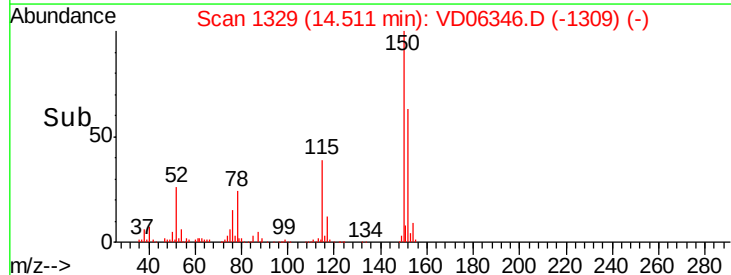
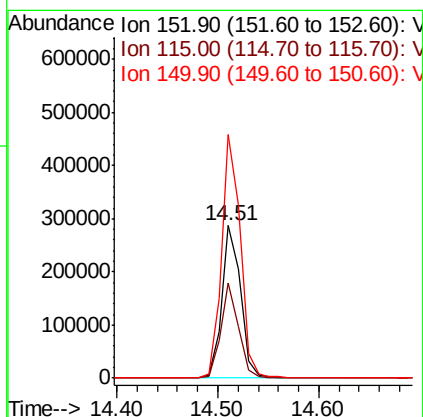
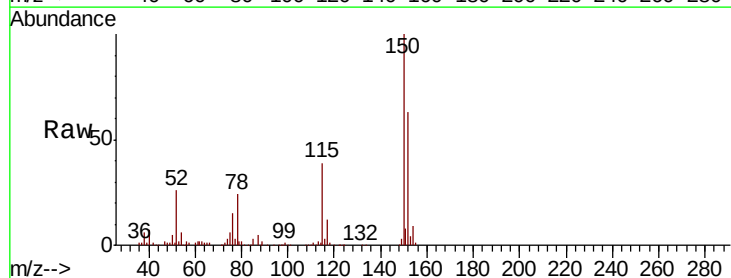
Instrument :
MSVOA_D
ClientSampleId :

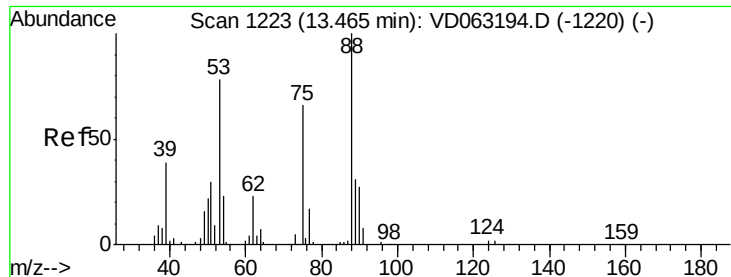
Tgt Ion:117 Resp: 914071
Ion Ratio Lower Upper
117 100
82 50.0 40.1 60.1
119 32.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD06346.D
Acq: 3 Aug 2019 6:26

Tgt Ion:152 Resp: 372292
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.4
150 159.9 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 143.547 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD06346.D

Acq: 3 Aug 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

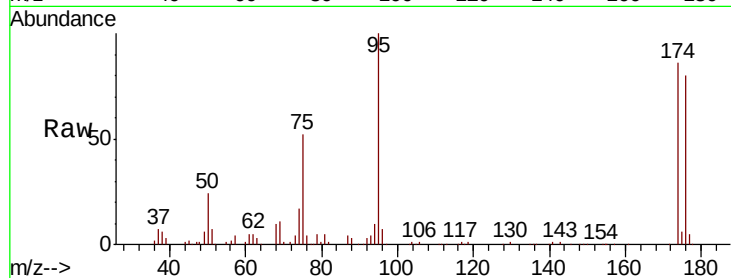
Tgt Ion: 75 Resp: 178242

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.2 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

