

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06350.D
 Acq On : 3 Aug 2019 8:15
 Operator : VA/AP
 Sample : K4129-12
 Misc : 5.66g/5ml/MSVOA_D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:46:22 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	916441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1211555	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	875742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	380792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	509183	50.07	ug/l	0.01
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	6.92	113	569492	55.05	ug/l	0.01
Spiked Amount			Recovery	=	110.10%	
50) Toluene-d8	10.40	98	1047520	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
62) 4-Bromofluorobenzene	13.55	95	427196	40.49	ug/l	0.00
Spiked Amount			Recovery	=	80.98%	

Target Compounds

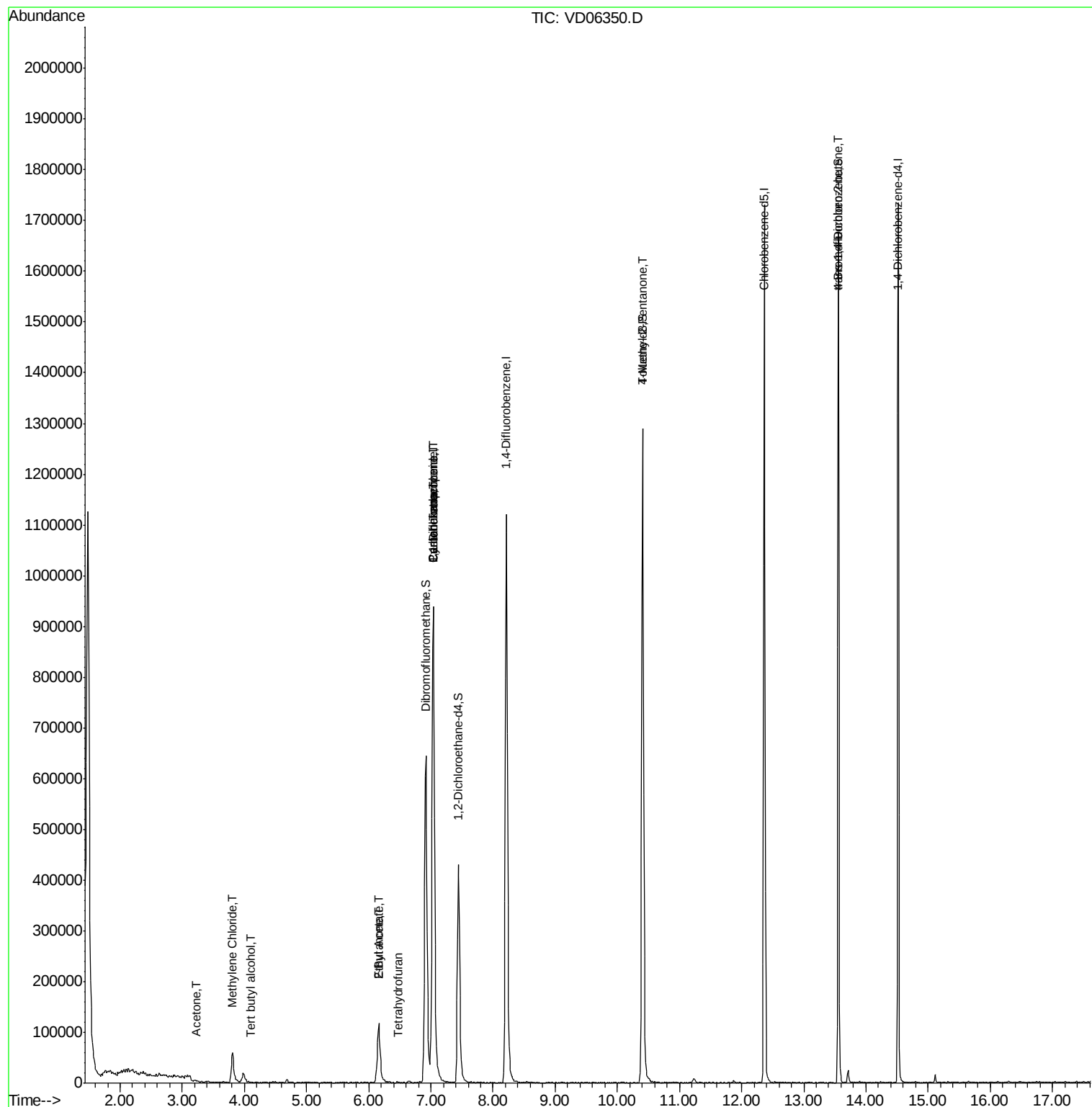
						Qvalue
11) Tert butyl alcohol	4.09	59	1572	3.523	ug/l #	69
16) Acetone	3.22	43	5245	2.647	ug/l #	62
20) Methylene Chloride	3.81	84	38419	4.797	ug/l #	78
25) 2-Butanone	6.15	43	7705	3.875	ug/l #	56
29) Tetrahydrofuran	6.48	42	1169	1.242	ug/l #	64
31) Cyclohexane	7.03	56	21761	2.402	ug/l #	31
36) 1,1-Dichloropropene	7.03	75	70757	6.399	ug/l #	50
37) Ethyl Acetate	6.15	43	7705	1.551	ug/l #	1
38) Carbon Tetrachloride	7.04	117	89026	5.348	ug/l #	14
51) 4-Methyl-2-Pentanone	10.39	43	6971	1.615	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	207385	163.289	ug/l #	3

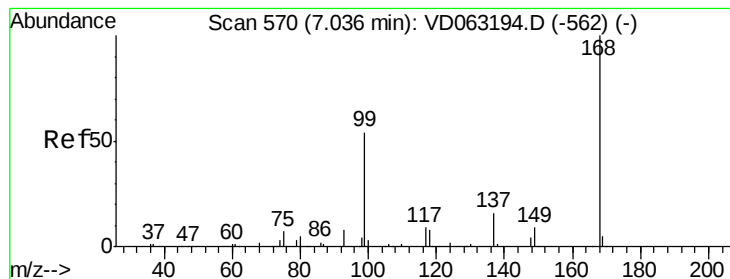
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD06350.D

Acq: 3 Aug 2019 8:15

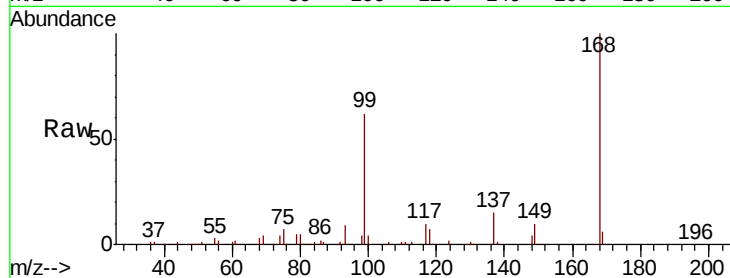
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 168 Resp: 916441

Ion Ratio Lower Upper

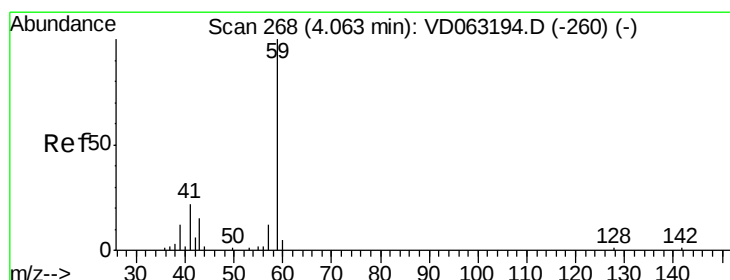
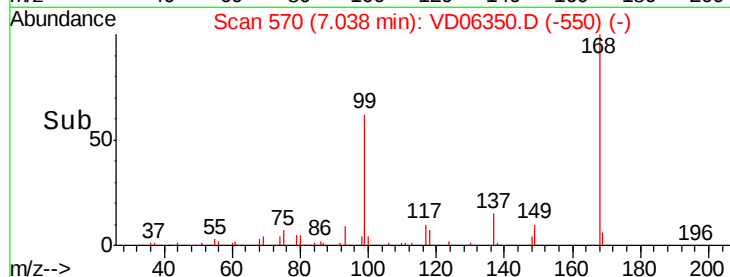
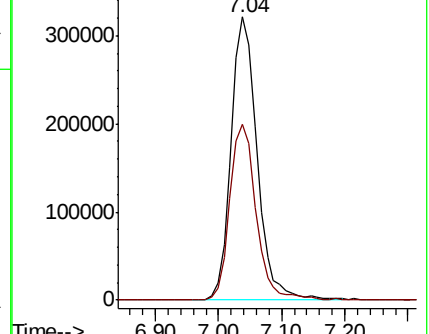
168 100

99 62.1 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: 3.523 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.03 min

Lab File: VD06350.D

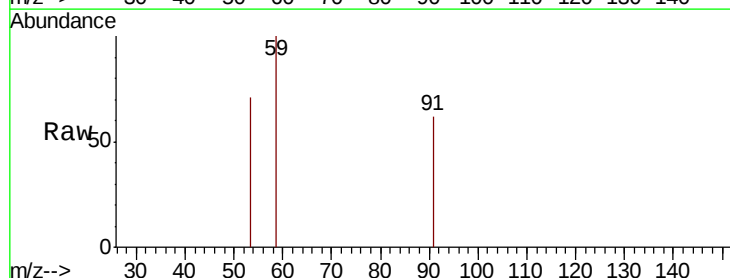
Acq: 3 Aug 2019 8:15

Tgt Ion: 59 Resp: 1572

Ion Ratio Lower Upper

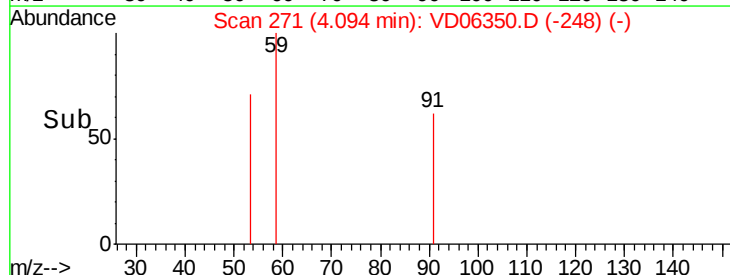
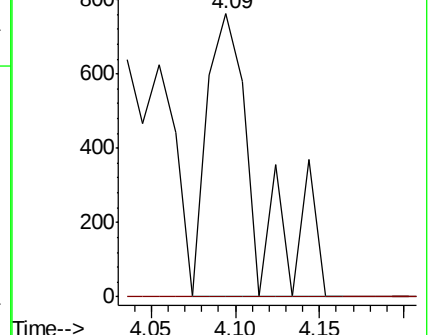
59 100

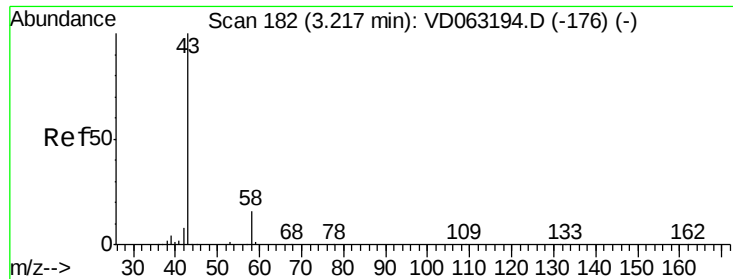
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

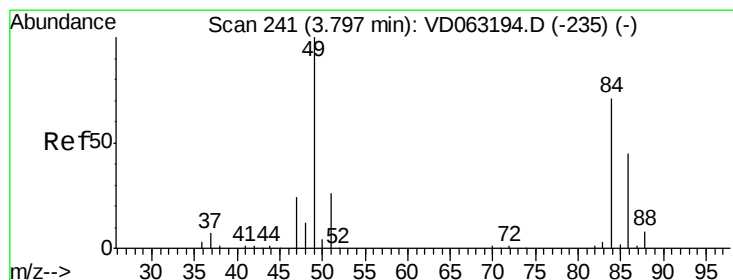
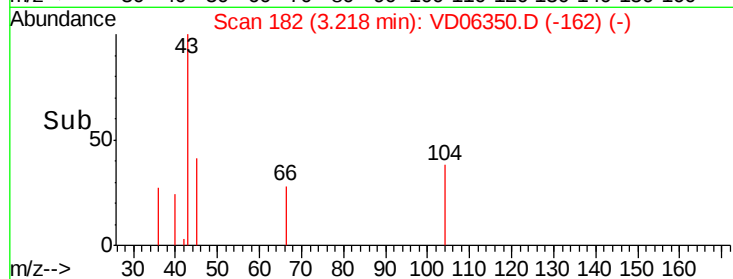
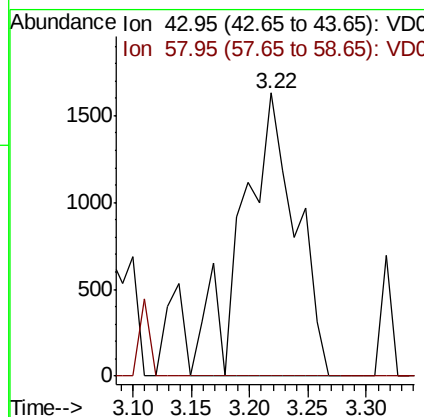
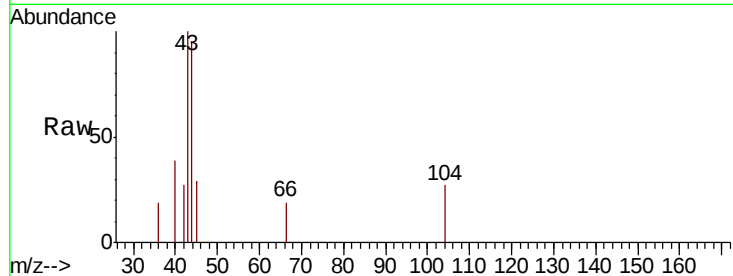




#16
Acetone
Concen: 2.647 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

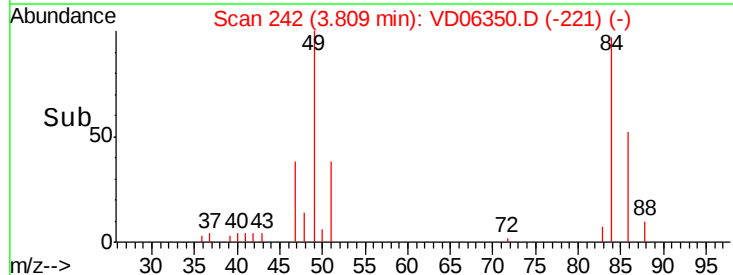
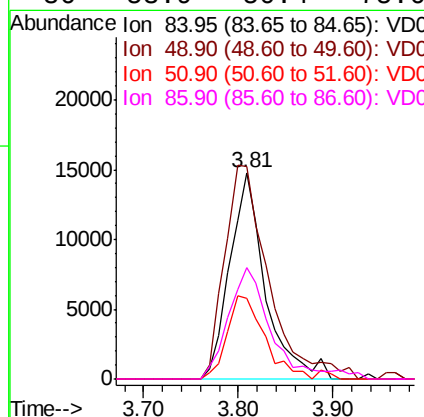
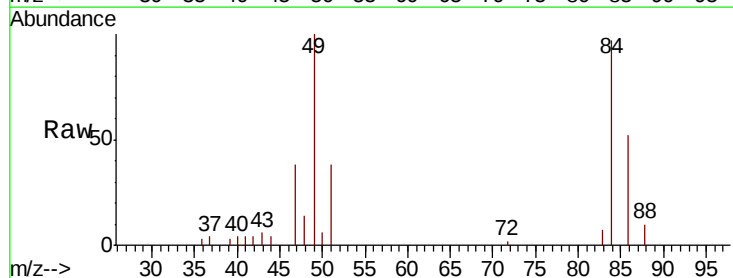
Instrument :
MSVOA_D
ClientSampled :

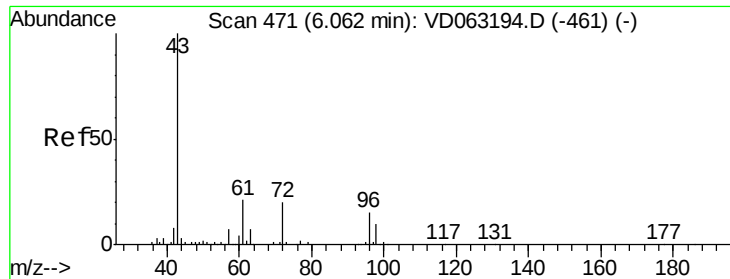
Tgt Ion: 43 Resp: 5245
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#20
Methylene Chloride
Concen: 4.797 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

Tgt Ion: 84 Resp: 38419
Ion Ratio Lower Upper
84 100
49 103.1 112.5 168.7#
51 39.0 29.6 44.4
86 53.9 50.4 75.6





#25

2-Butanone

Concen: 3.875 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD06350.D

Acq: 3 Aug 2019 8:15

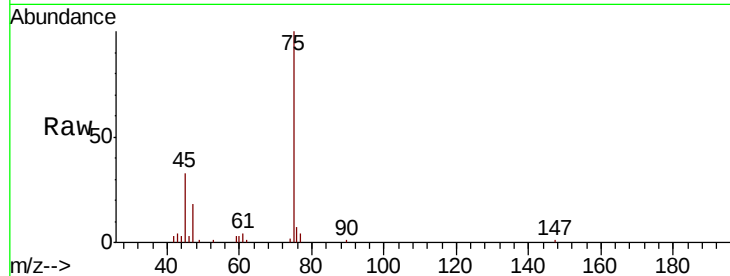
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43 Resp: 7705

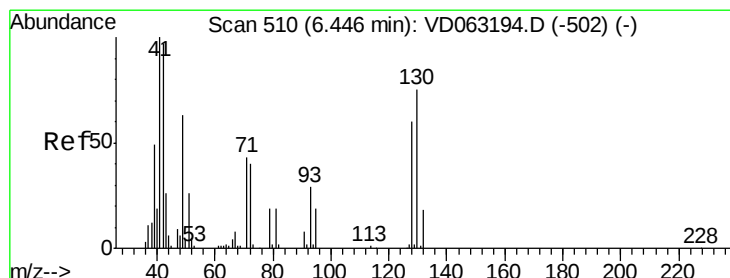
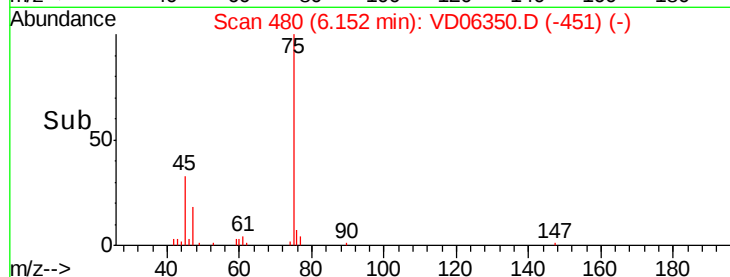
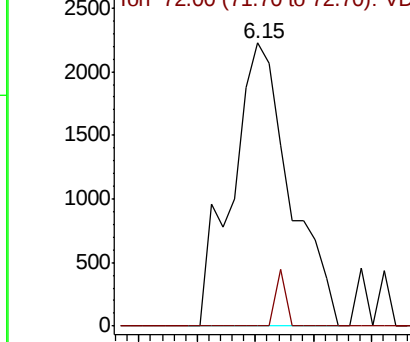
Ion Ratio Lower Upper

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



#29

Tetrahydrofuran

Concen: 1.242 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD06350.D

Acq: 3 Aug 2019 8:15

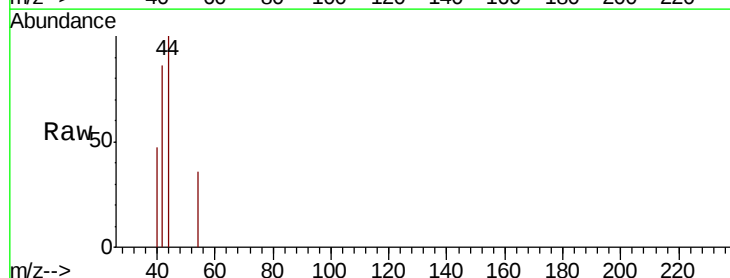
Tgt Ion: 42 Resp: 1169

Ion Ratio Lower Upper

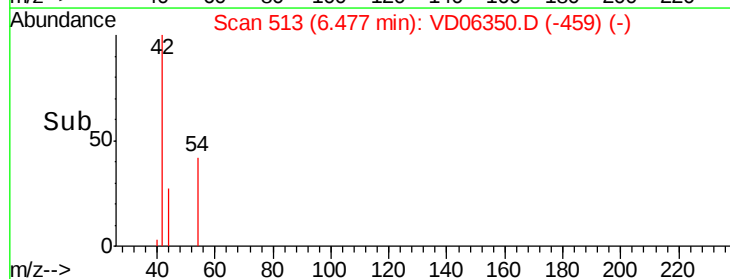
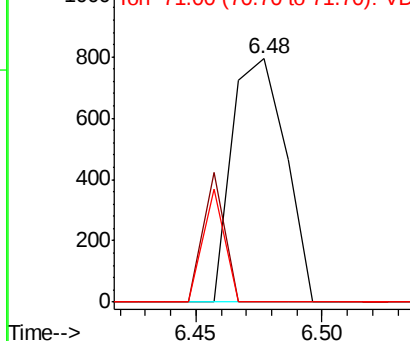
42 100

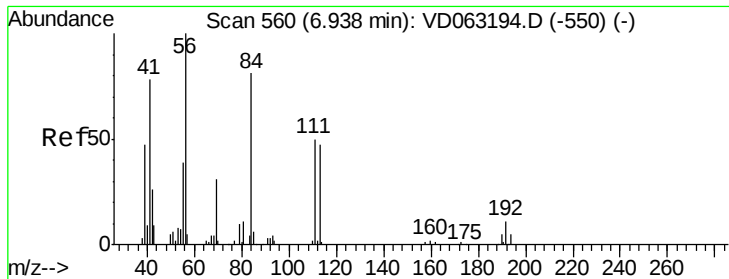
72 21.5 33.4 50.2#

71 18.6 35.7 53.5#



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

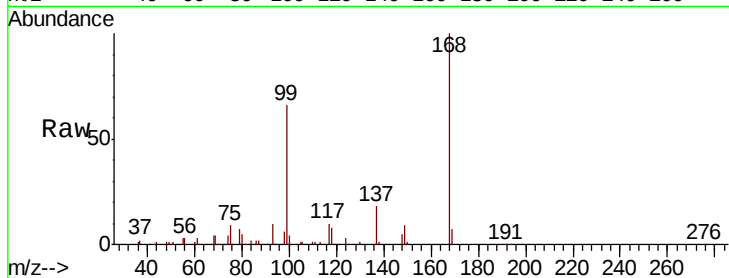




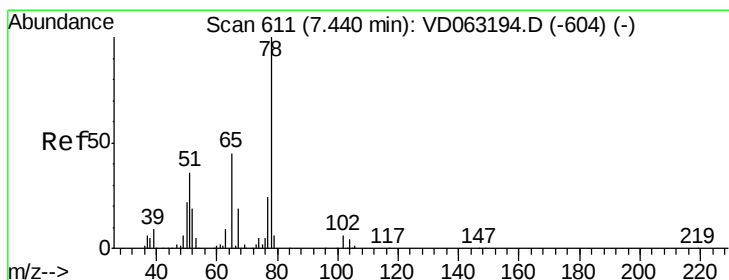
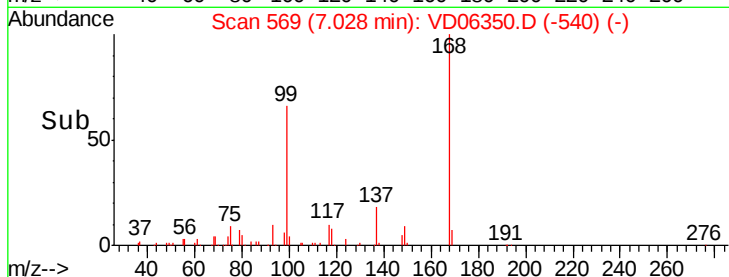
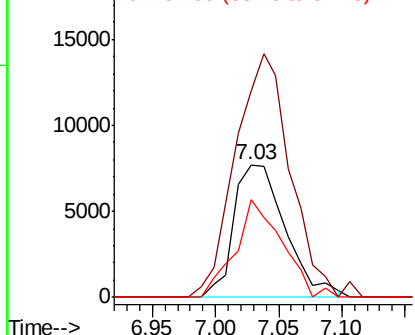
#31
Cyclohexane
Concen: 2.402 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 21761
Ion Ratio Lower Upper
56 100
69 156.0 24.5 36.7#
84 73.5 64.9 97.3

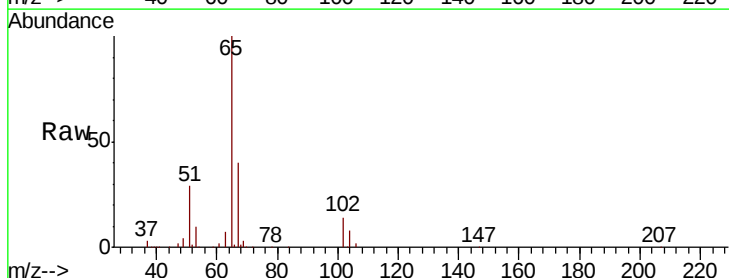


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

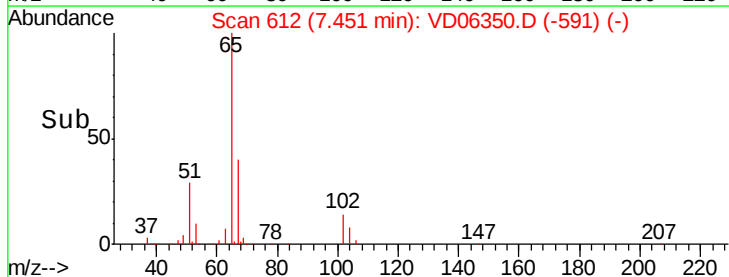
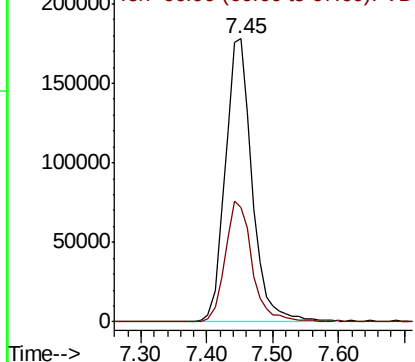


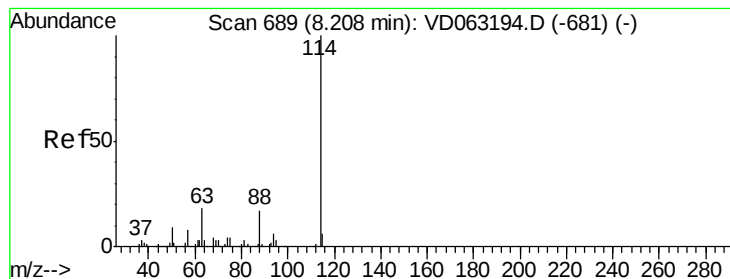
#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

Tgt Ion: 65 Resp: 509183
Ion Ratio Lower Upper
65 100
67 40.2 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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD06350.D

Acq: 3 Aug 2019 8:15

Instrument :

MSVOA_D

ClientSampleId :

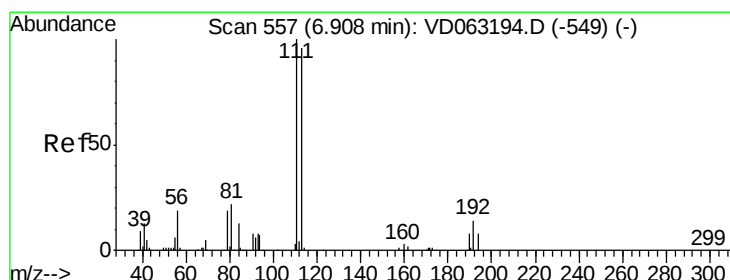
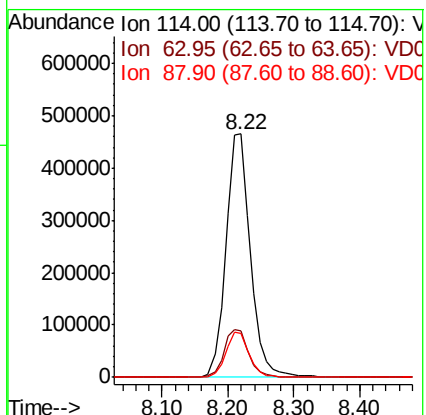
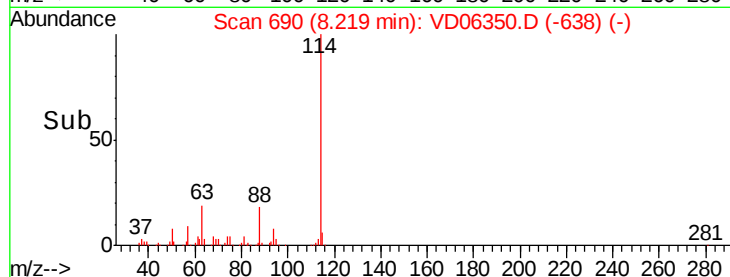
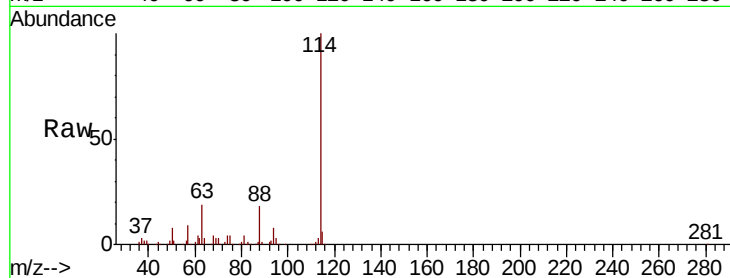
Tgt Ion:114 Resp: 1211555

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.2

88 17.8 0.0 34.6



#35

Dibromofluoromethane

Concen: 55.055 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD06350.D

Acq: 3 Aug 2019 8:15

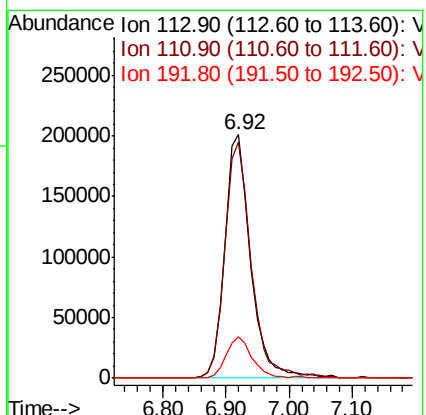
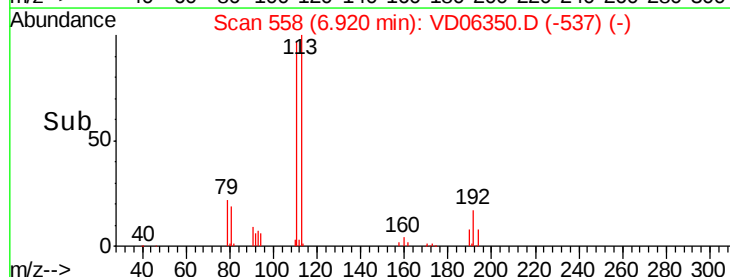
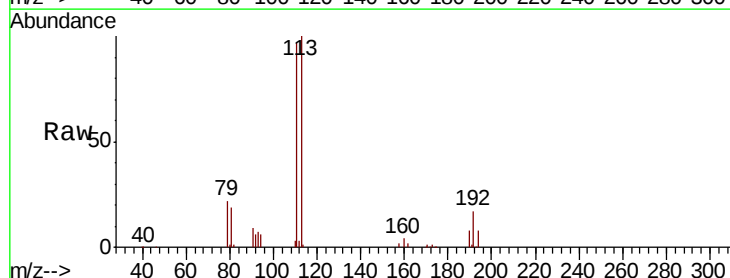
Tgt Ion:113 Resp: 569492

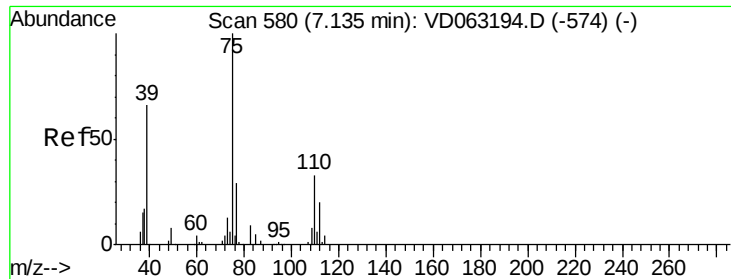
Ion Ratio Lower Upper

113 100

111 97.0 83.2 124.8

192 17.2 11.8 17.8

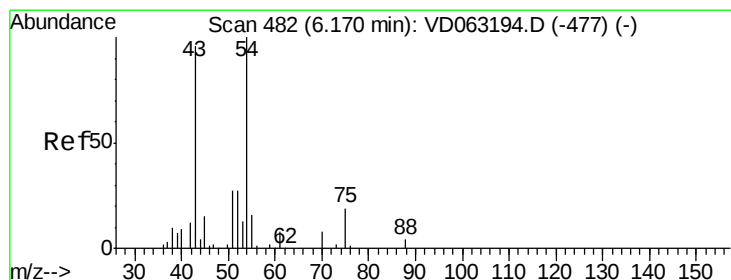
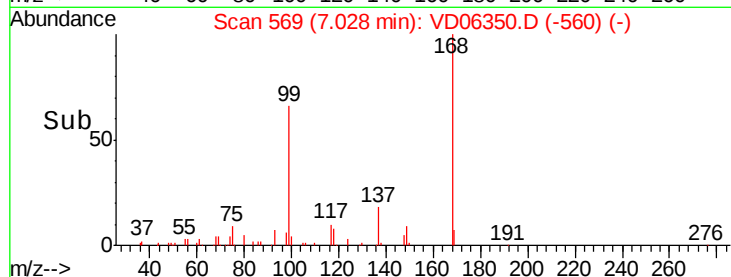
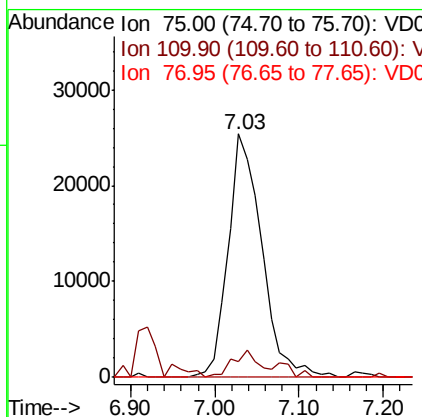
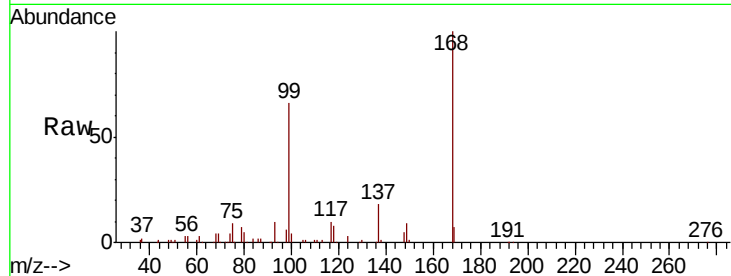




#36
 1,1-Dichloropropene
 Concen: 6.399 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD06350.D
 Acq: 3 Aug 2019 8:15

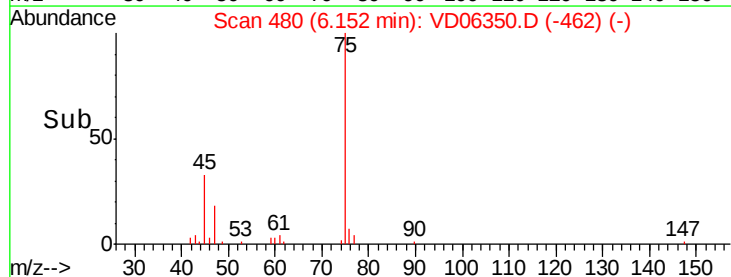
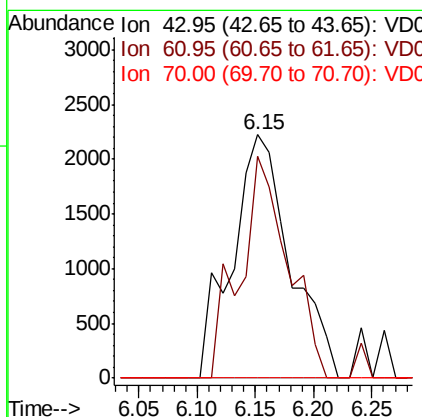
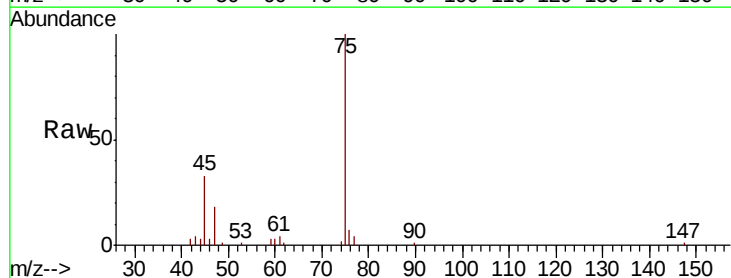
Instrument :
 MSVOA_D
 ClientSampleId :

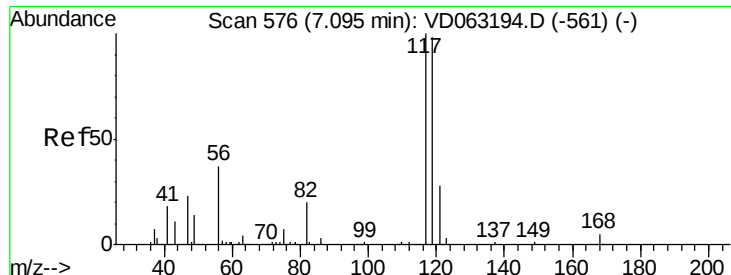
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 1.551 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD06350.D
 Acq: 3 Aug 2019 8:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	91.1	11.3	16.9#
70	0.0	5.1	7.7#





#38

Carbon Tetrachloride

Concen: 5.348 ug/l

RT: 7.04 min Scan# 570

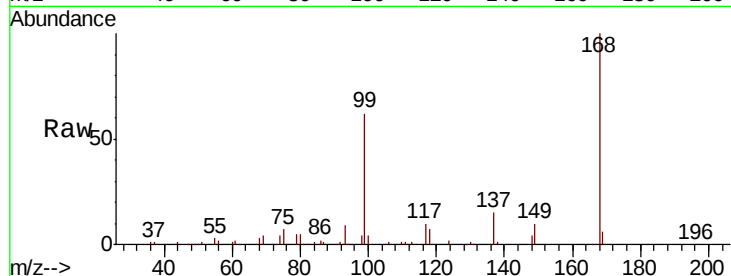
Delta R.T. -0.06 min

Lab File: VD06350.D

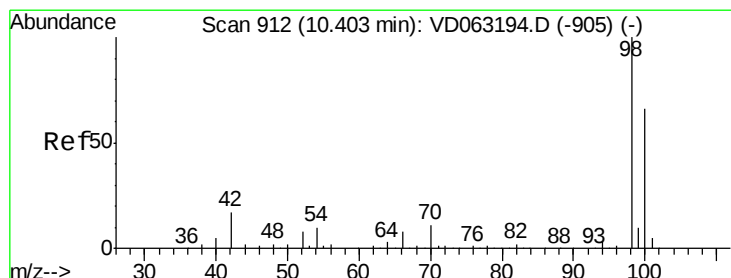
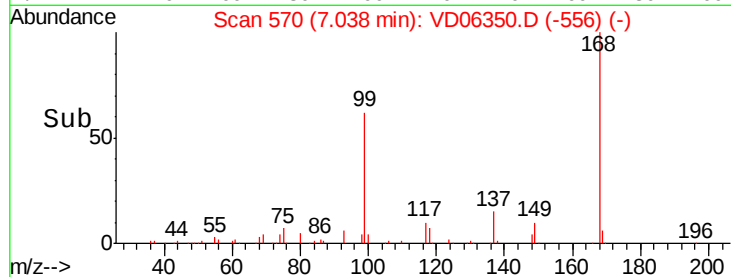
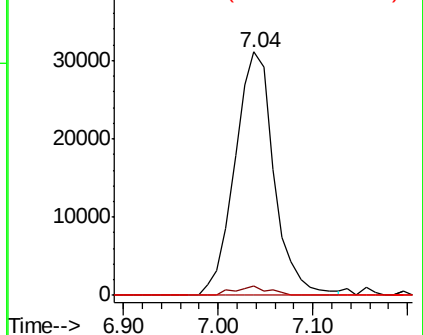
Acq: 3 Aug 2019 8:15

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:117 Resp: 89026
Ion Ratio Lower Upper
117 100
119 3.7 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: 45.249 ug/l

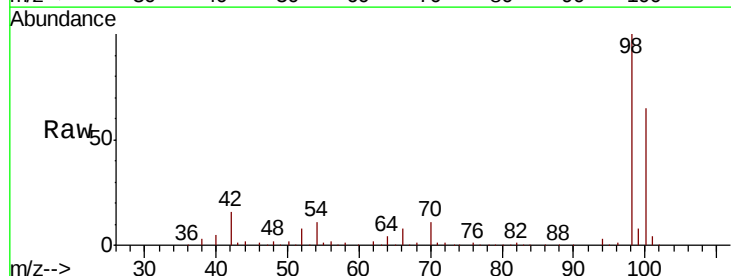
RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

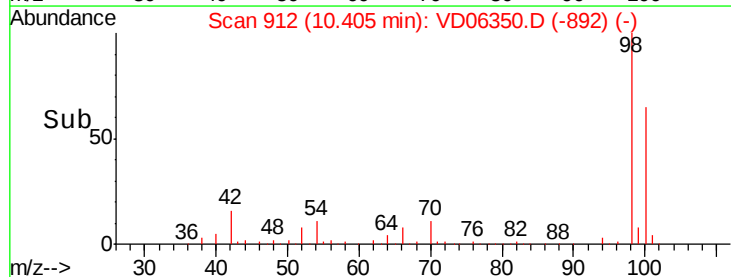
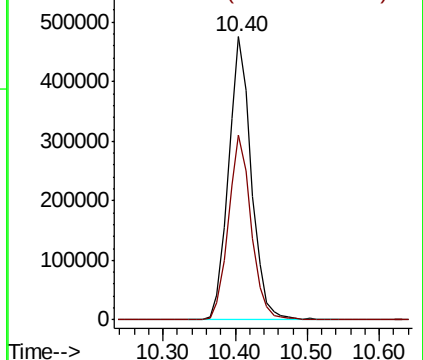
Lab File: VD06350.D

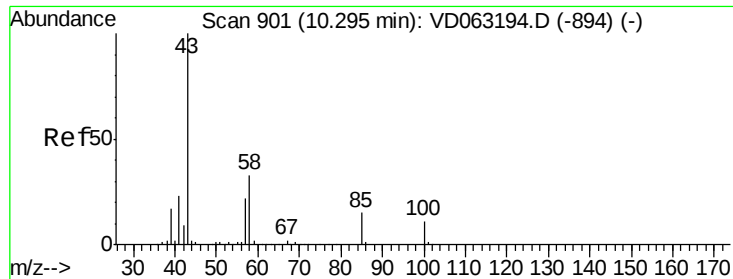
Acq: 3 Aug 2019 8:15

Tgt Ion: 98 Resp: 1047520
Ion Ratio Lower Upper
98 100
100 65.1 53.2 79.8



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

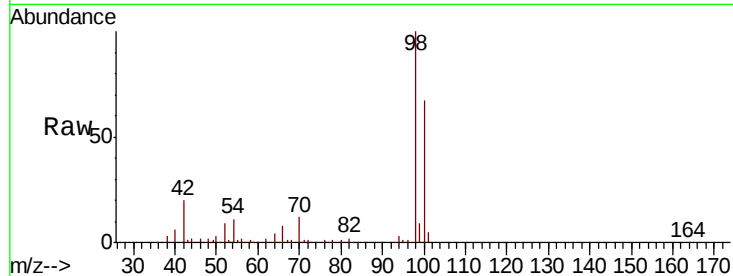




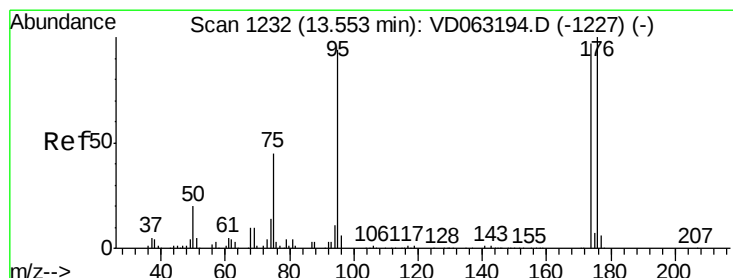
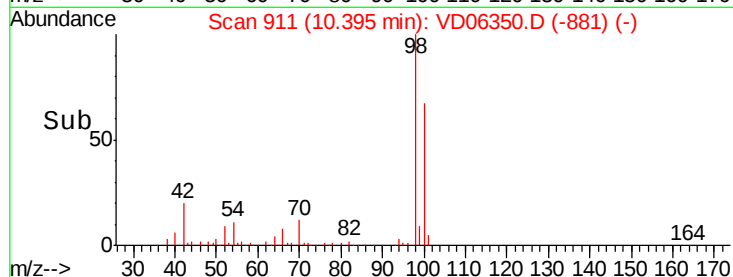
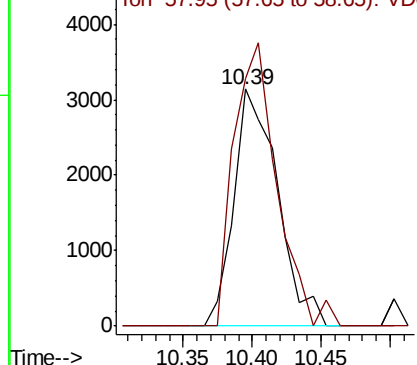
#51
 4-Methyl-2-Pentanone
 Concen: 1.615 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. 0.10 min
 Lab File: VD06350.D
 Acq: 3 Aug 2019 8:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 6971
 Ion Ratio Lower Upper
 43 100
 58 104.4 26.2 39.2#

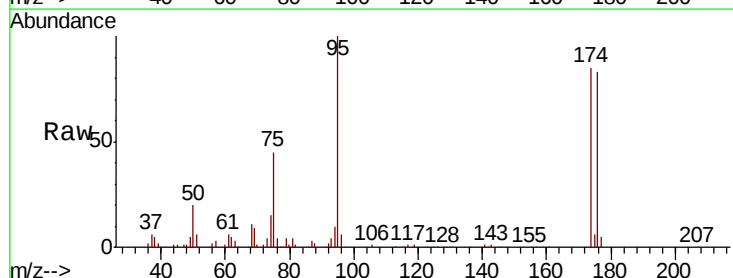


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

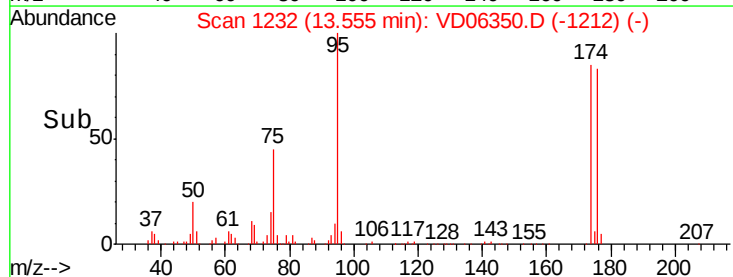
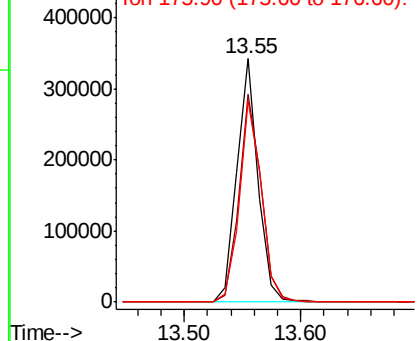


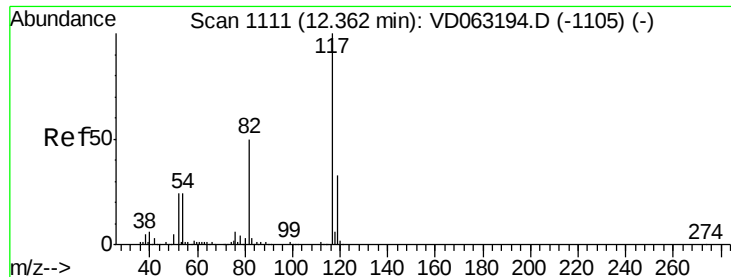
#62
 4-Bromofluorobenzene
 Concen: 40.495 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD06350.D
 Acq: 3 Aug 2019 8:15

Tgt Ion: 95 Resp: 427196
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 205.4
 176 82.7 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

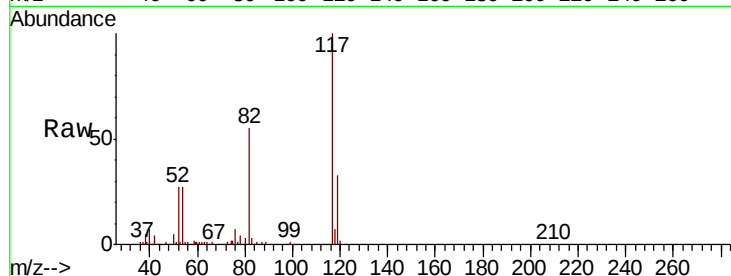




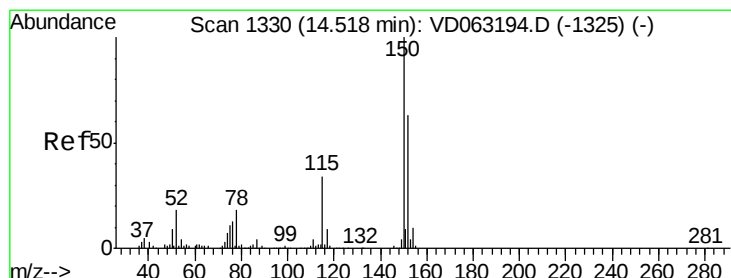
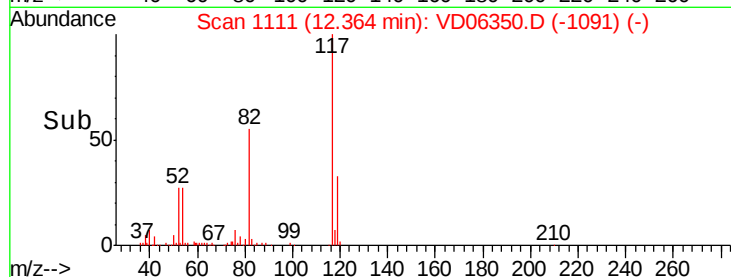
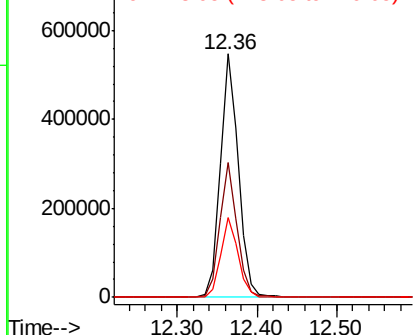
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 875742
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.6 26.5 39.7

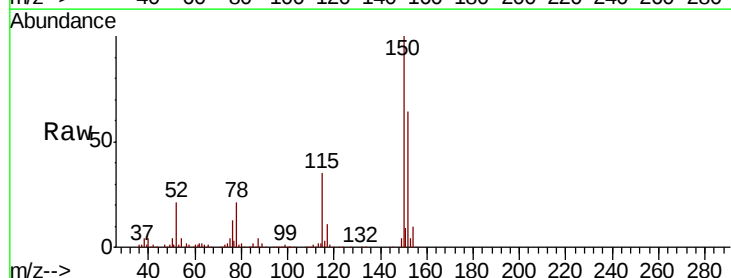


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

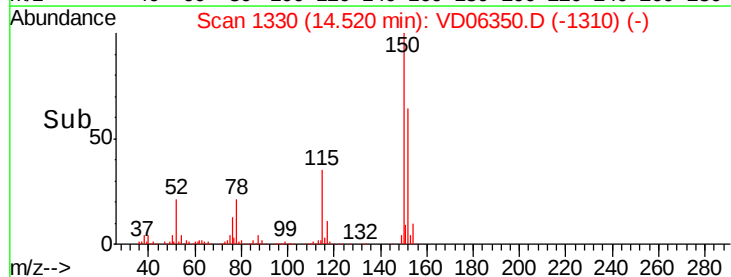
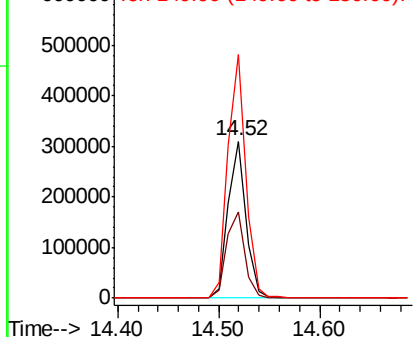


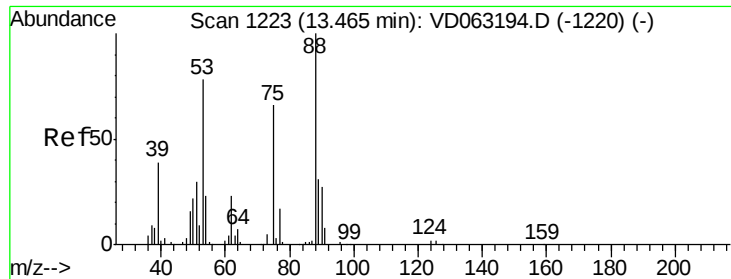
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD06350.D
Acq: 3 Aug 2019 8:15

Tgt Ion:152 Resp: 380792
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.4
150 155.3 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: 163.289 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06350.D

Acq: 3 Aug 2019 8:15

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 207385

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

