

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06339.D
 Acq On : 3 Aug 2019 3:17
 Operator : VA/AP
 Sample : K4130-18
 Misc : 5.90g/5ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:44:23 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	1105655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1477658	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1233143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	609192	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	545752	44.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.96%	
35) Dibromofluoromethane	6.91	113	621677	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	10.40	98	1202351	42.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.16%	
62) 4-Bromofluorobenzene	13.55	95	539663	41.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.88%	

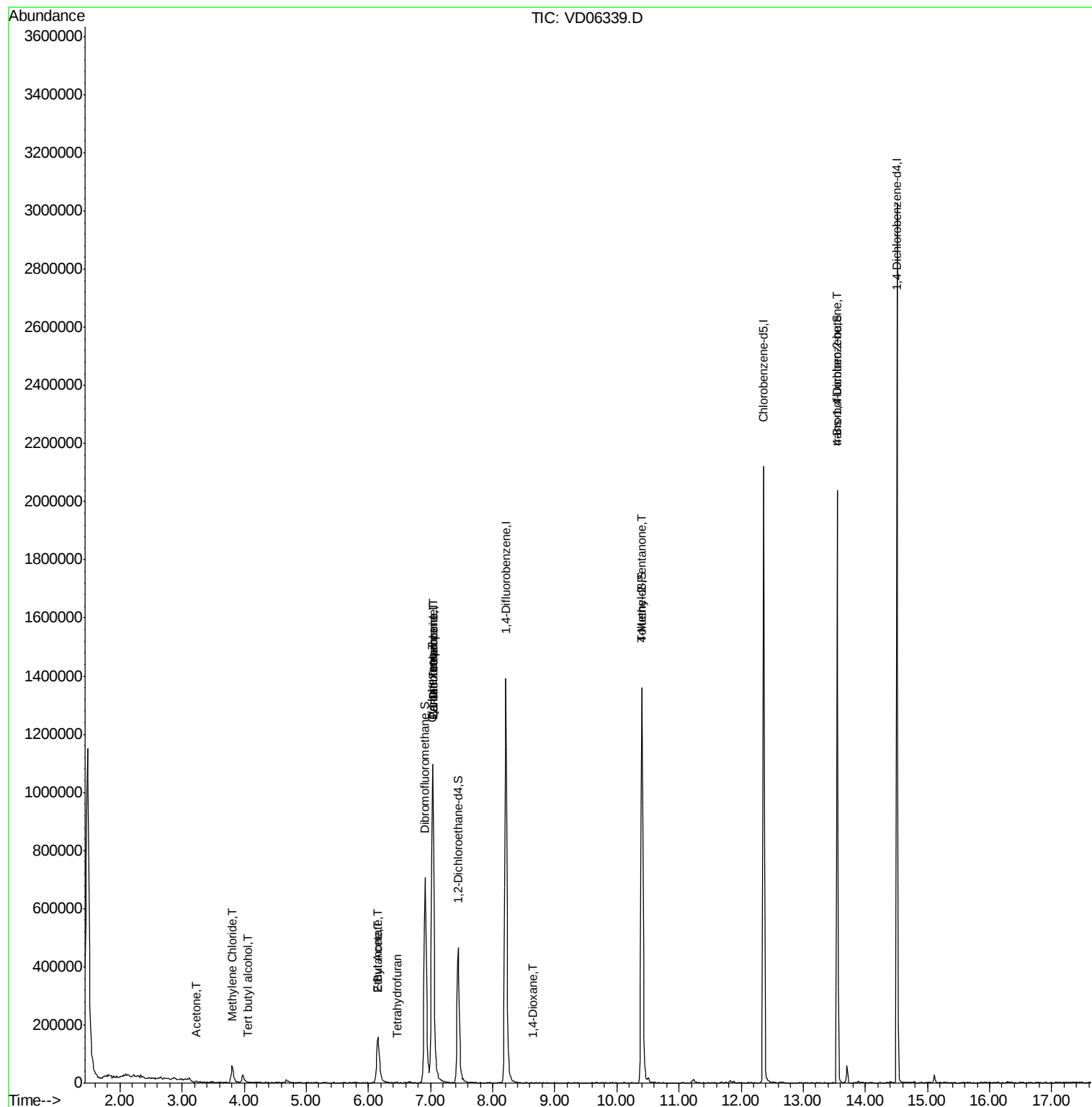
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	3465	6.436	ug/l #	69
16) Acetone	3.23	43	4541	1.900	ug/l #	62
20) Methylene Chloride	3.81	84	32177	3.330	ug/l	88
25) 2-Butanone	6.16	43	11491	4.790	ug/l #	56
29) Tetrahydrofuran	6.48	42	1548	1.363	ug/l #	33
31) Cyclohexane	7.02	56	22784	2.085	ug/l #	9
36) 1,1-Dichloropropene	7.03	75	84265	6.249	ug/l #	52
37) Ethyl Acetate	6.16	43	11863	1.958	ug/l #	1
38) Carbon Tetrachloride	7.03	117	109055	5.372	ug/l #	16
49) 1,4-Dioxane	8.65	88	393	5.147	ug/l #	37
51) 4-Methyl-2-Pentanone	10.40	43	7879	1.497	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	249767	122.927	ug/l #	3

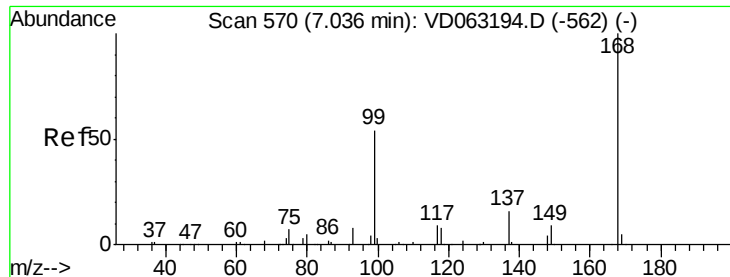
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Instrument :

MSVOA_D

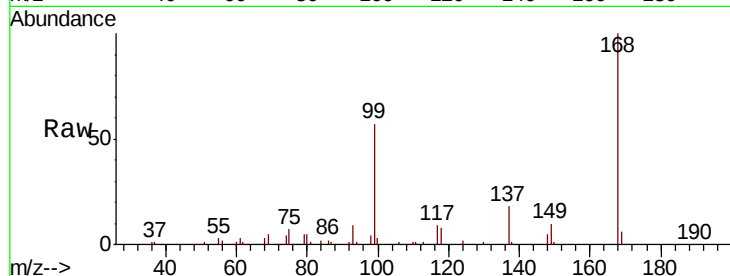
ClientSampleId :

Tgt Ion:168 Resp: 1105655

Ion Ratio Lower Upper

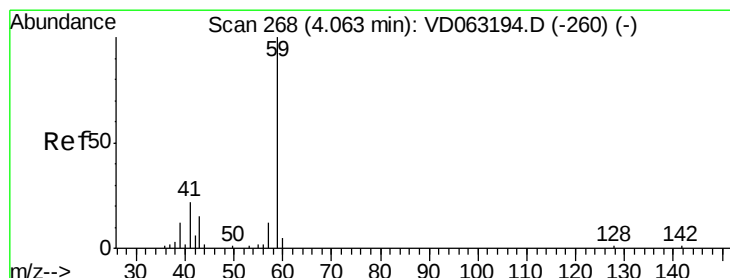
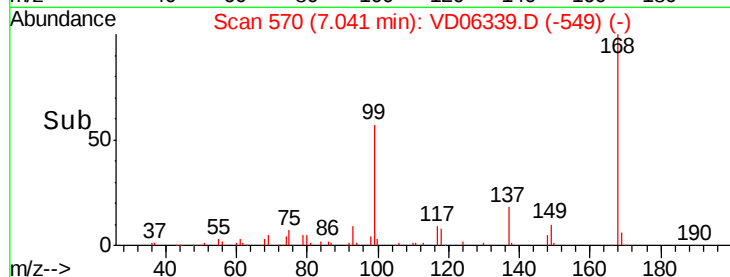
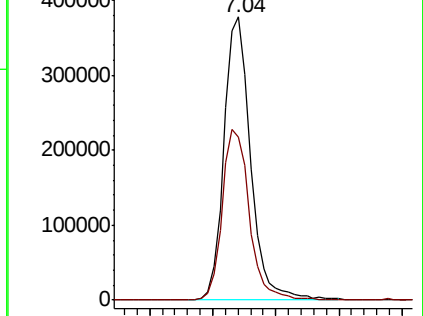
168 100

99 57.5 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: 6.436 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06339.D

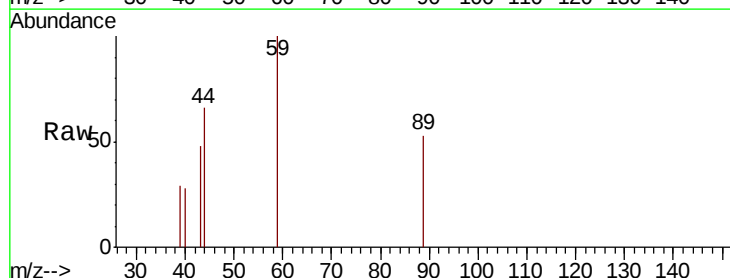
Acq: 3 Aug 2019 3:17

Tgt Ion: 59 Resp: 3465

Ion Ratio Lower Upper

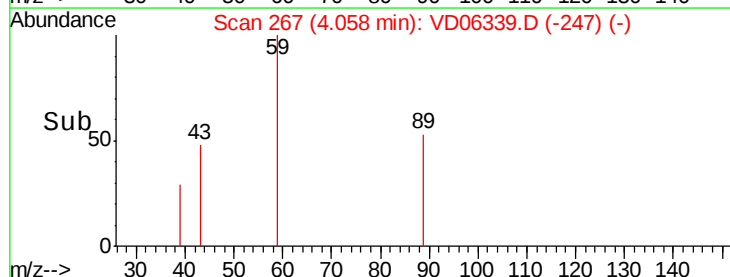
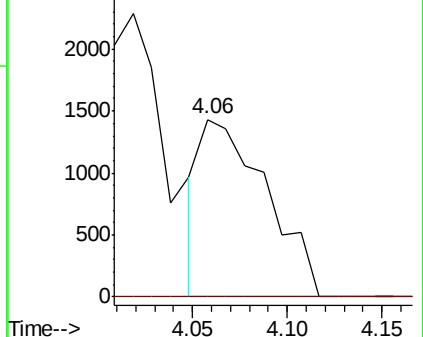
59 100

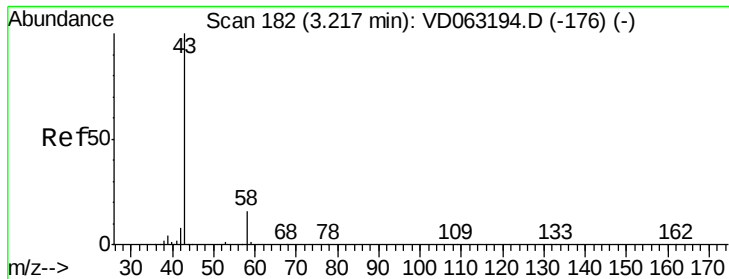
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.900 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

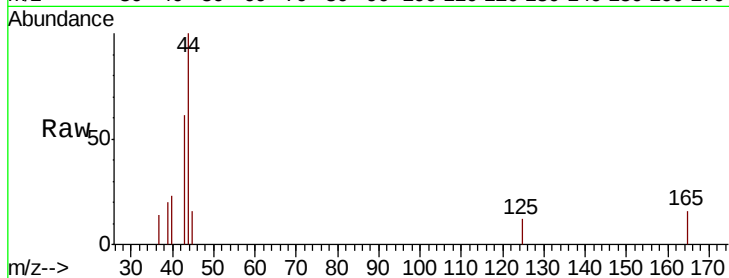
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 4541

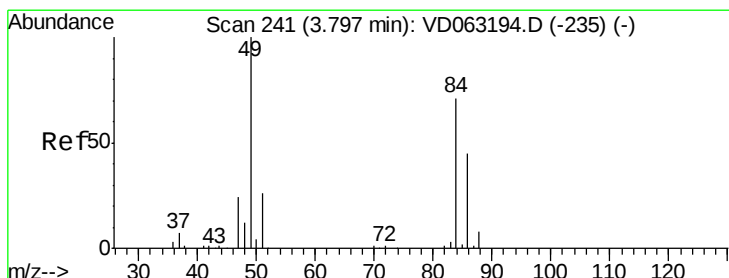
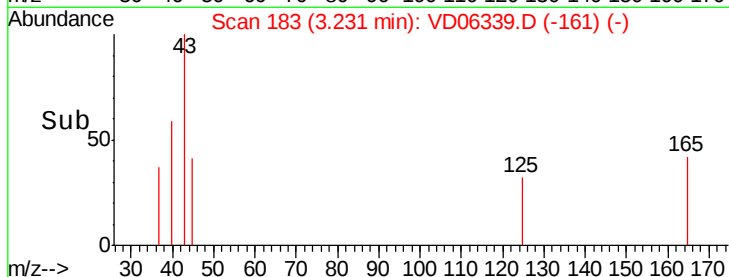
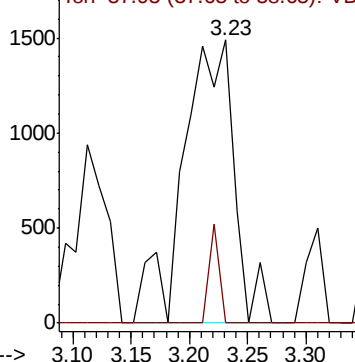
Ion Ratio Lower Upper

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: 3.330 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Tgt Ion: 84 Resp: 32177

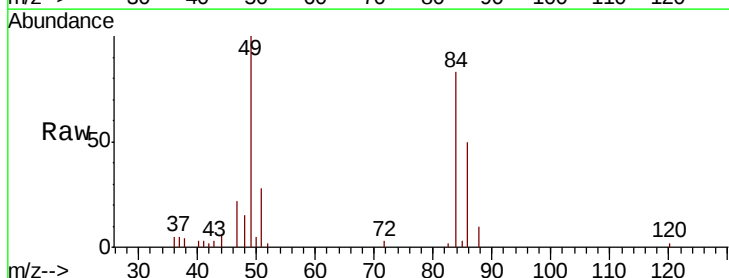
Ion Ratio Lower Upper

84 100

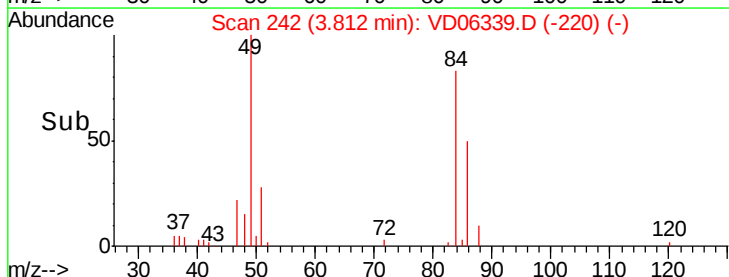
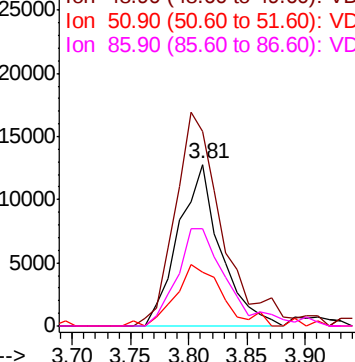
49 120.0 112.5 168.7

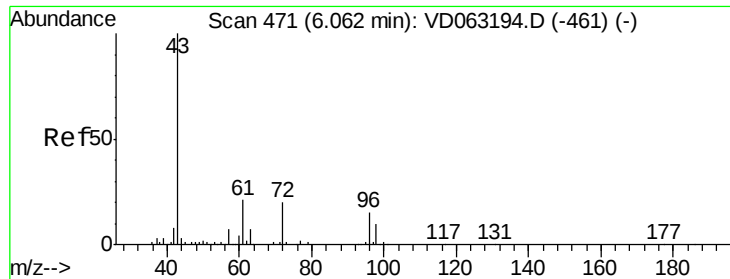
51 33.4 29.6 44.4

86 59.9 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: 4.790 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Instrument :

MSVOA_D

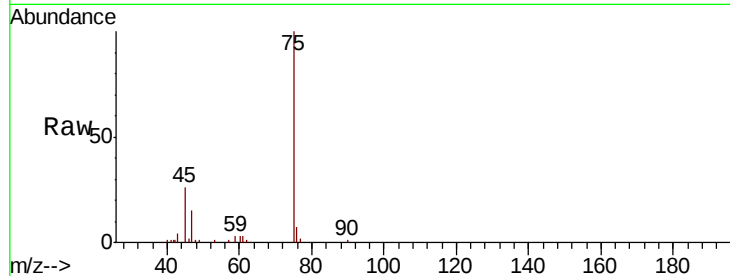
ClientSampleId :

Tgt Ion: 43 Resp: 11491

Ion Ratio Lower Upper

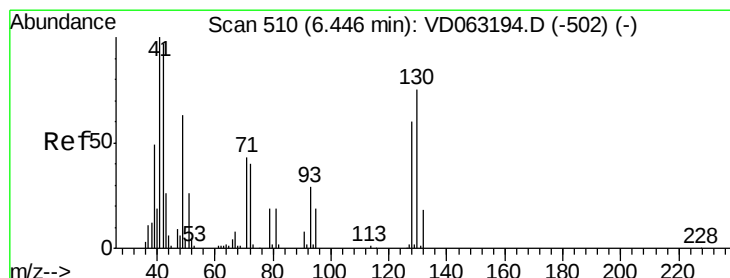
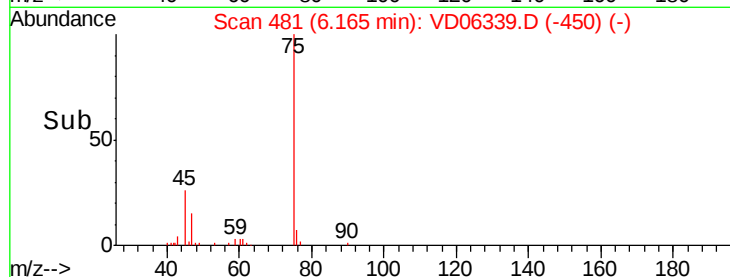
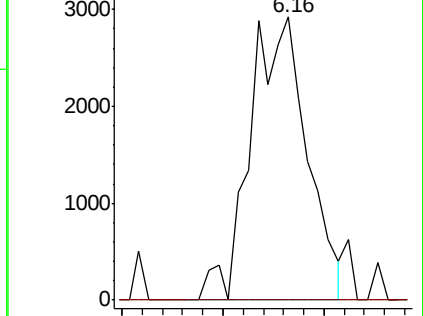
43 100

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: 1.363 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

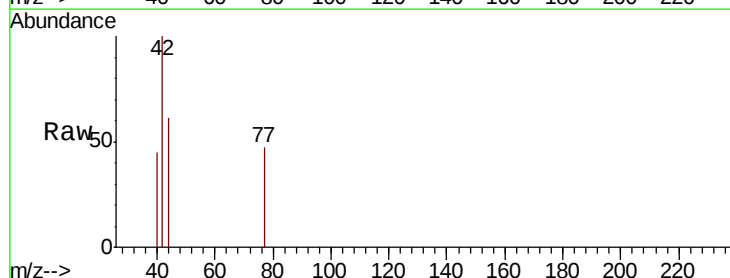
Tgt Ion: 42 Resp: 1548

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

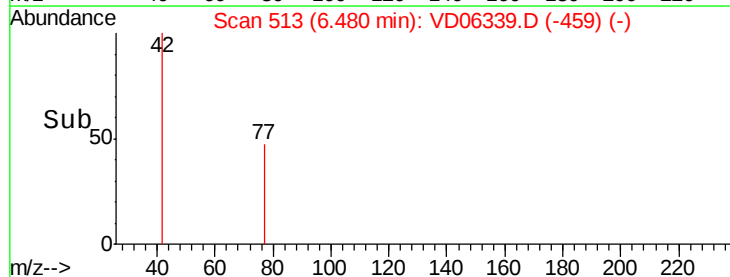
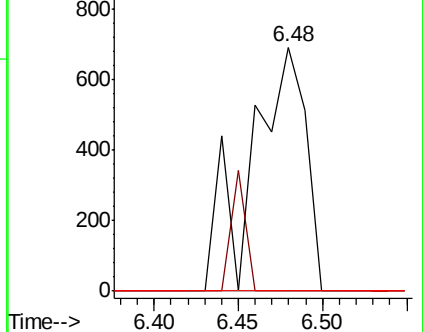
71 0.0 35.7 53.5#

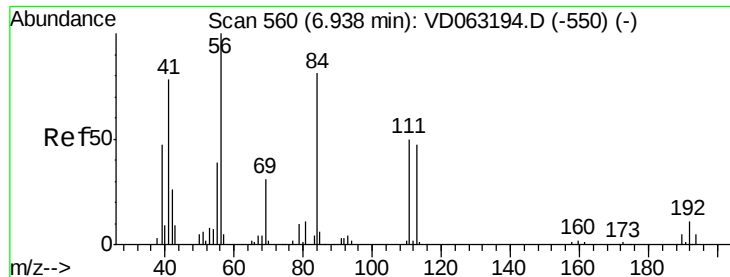


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

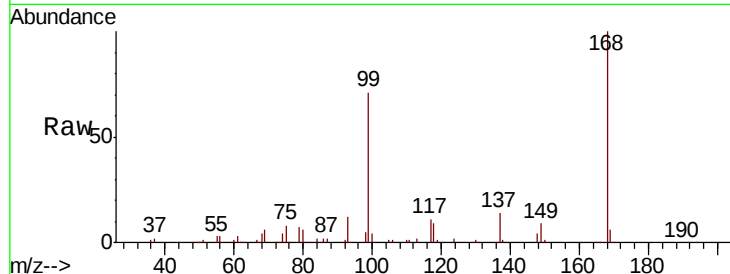




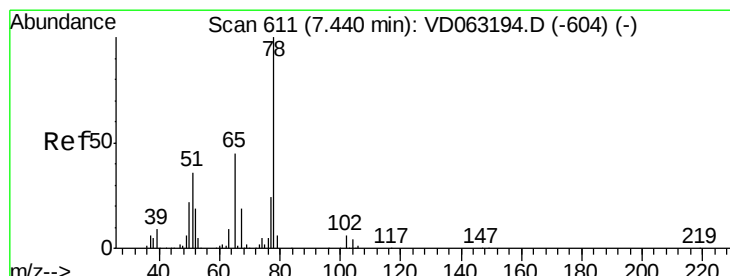
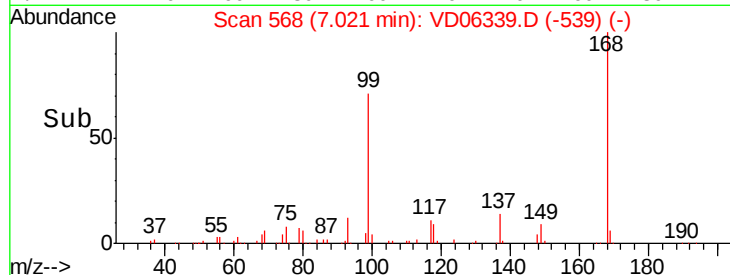
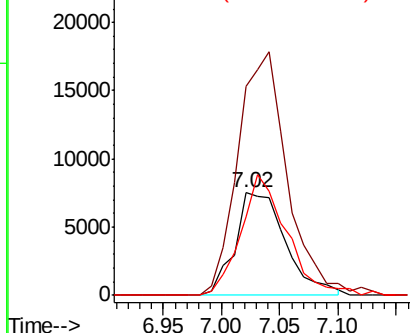
#31
Cyclohexane
Concen: 2.085 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 22784
Ion Ratio Lower Upper
56 100
69 204.4 24.5 36.7#
84 76.6 64.9 97.3

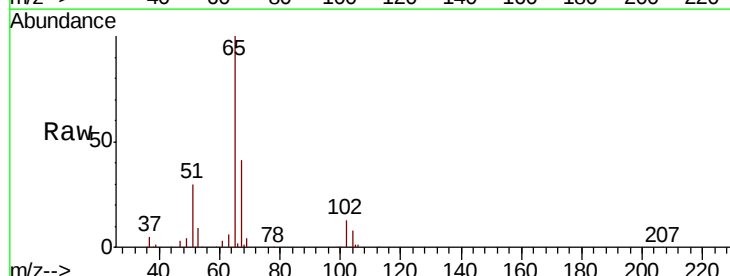


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

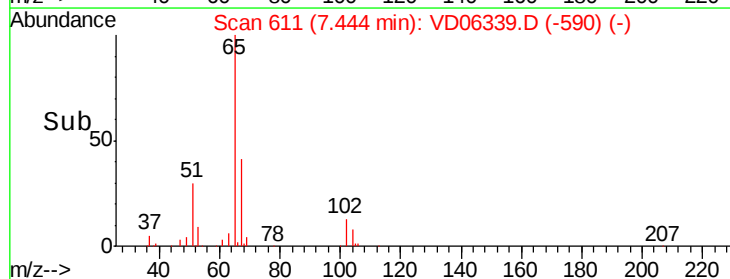
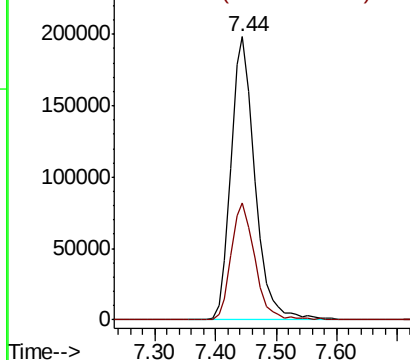


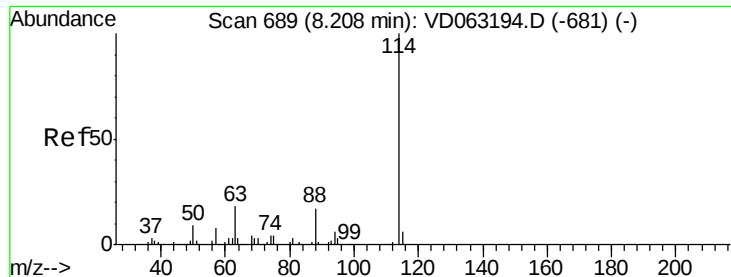
#33
1,2-Dichloroethane-d4
Concen: 44.485 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Tgt Ion: 65 Resp: 545752
Ion Ratio Lower Upper
65 100
67 41.3 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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Instrument :

MSVOA_D

ClientSampleId :

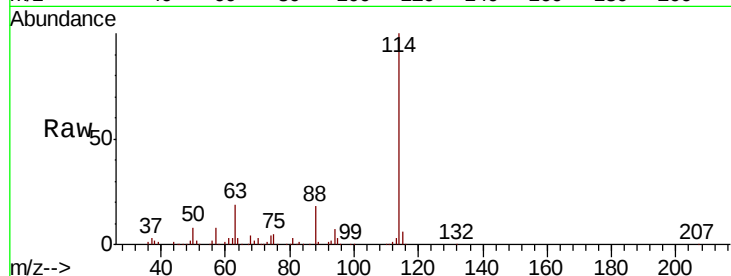
Tgt Ion:114 Resp: 1477658

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.2

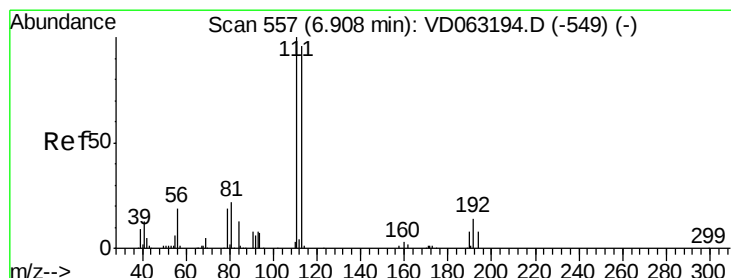
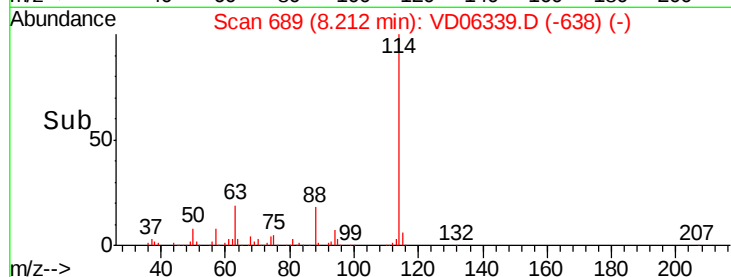
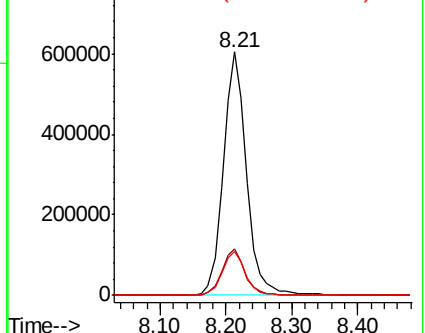
88 18.1 0.0 34.6



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: 49.277 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

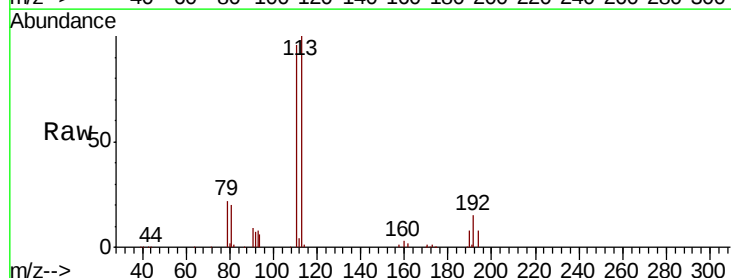
Tgt Ion:113 Resp: 621677

Ion Ratio Lower Upper

113 100

111 96.4 83.2 124.8

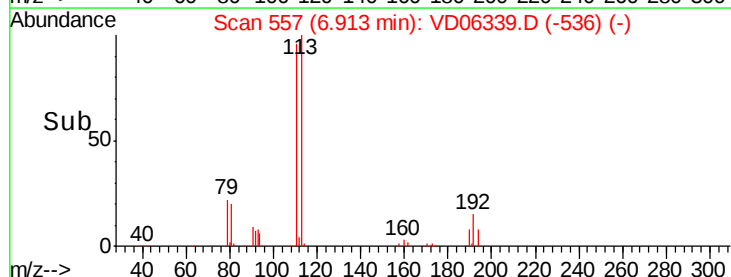
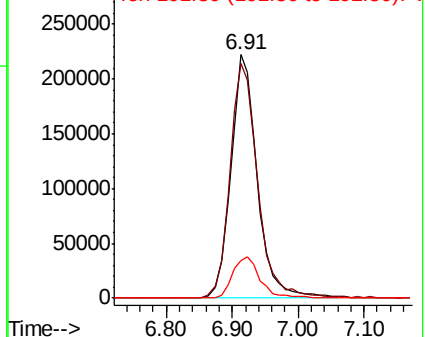
192 15.2 11.8 17.8

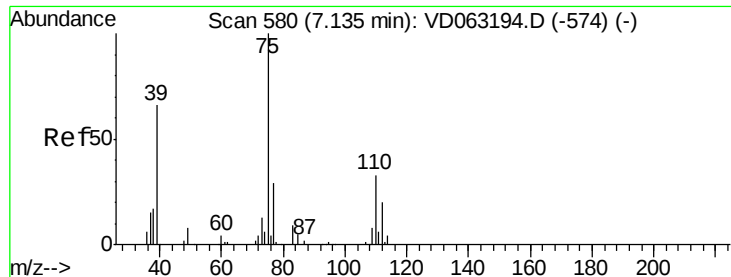


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.249 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Instrument :

MSVOA_D

ClientSampleId :

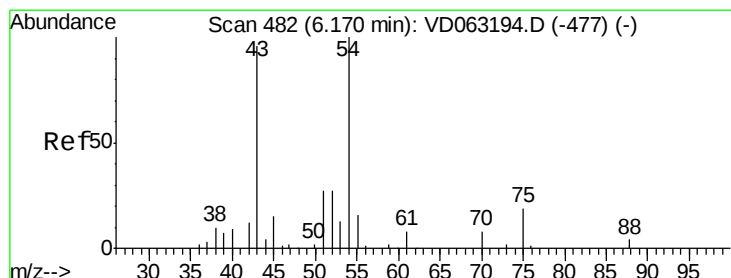
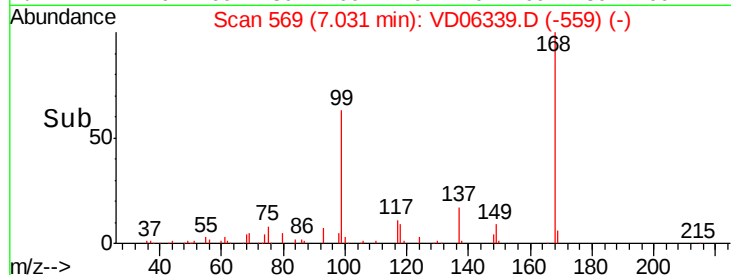
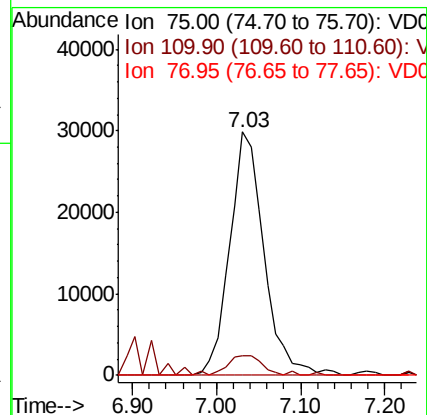
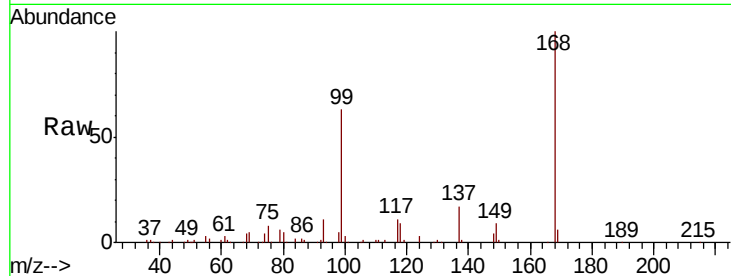
Tgt Ion: 75 Resp: 84265

Ion Ratio Lower Upper

75 100

110 8.3 16.1 48.2#

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.958 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

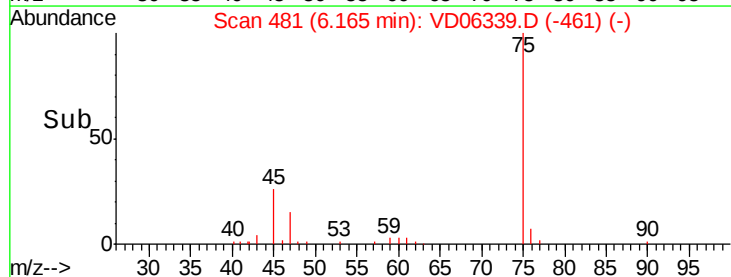
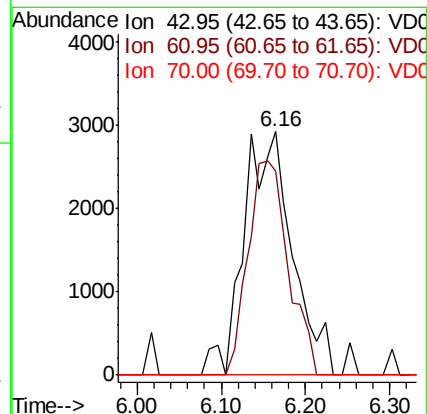
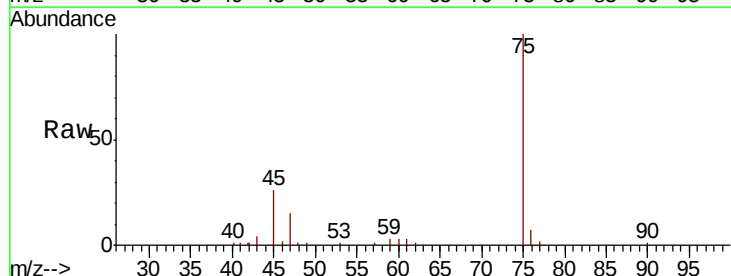
Tgt Ion: 43 Resp: 11863

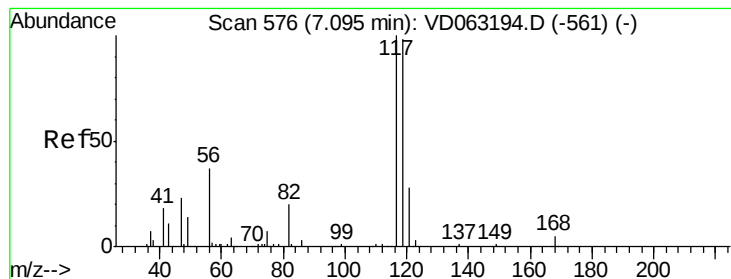
Ion Ratio Lower Upper

43 100

61 83.6 11.3 16.9#

70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.372 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

Instrument :

MSVOA_D

ClientSampleId :

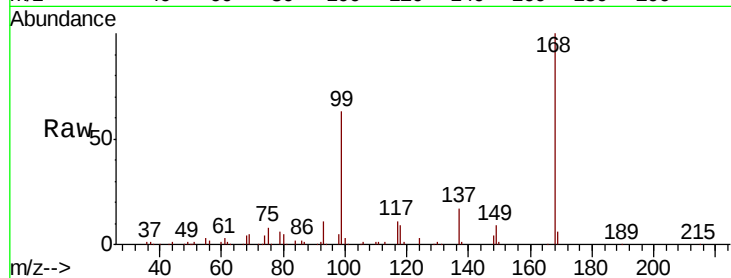
Tgt Ion:117 Resp: 109055

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

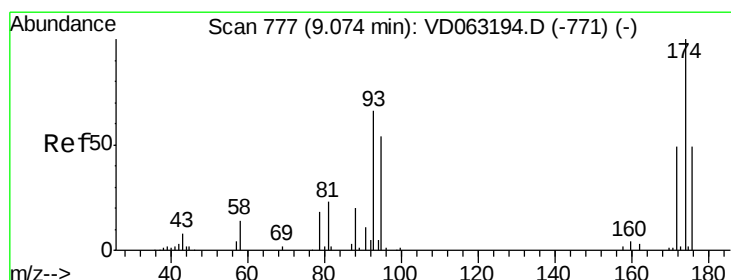
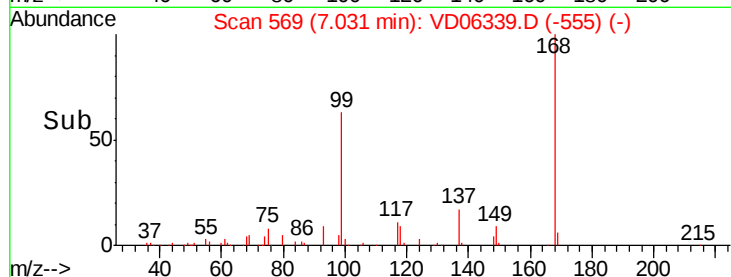
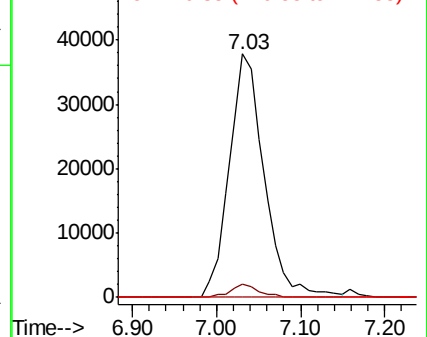
121 0.0 22.1 33.1#



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: 5.147 ug/l

RT: 8.65 min Scan# 733

Delta R.T. -0.43 min

Lab File: VD06339.D

Acq: 3 Aug 2019 3:17

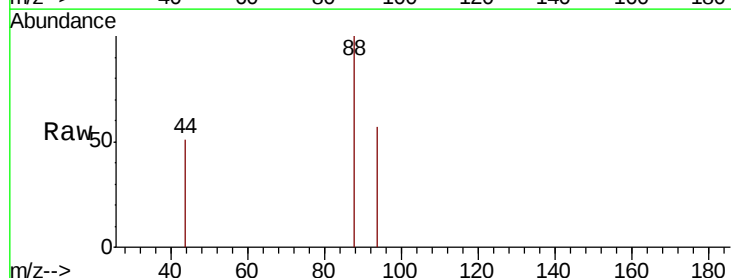
Tgt Ion: 88 Resp: 393

Ion Ratio Lower Upper

88 100

43 51.1 30.7 46.1#

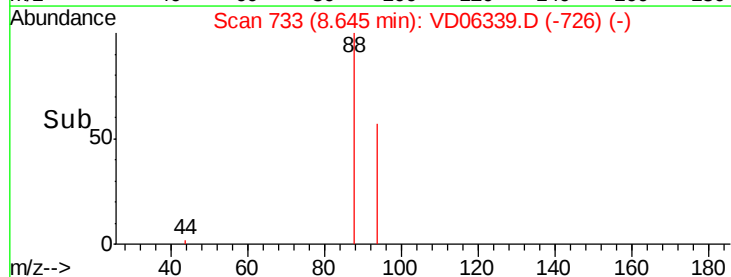
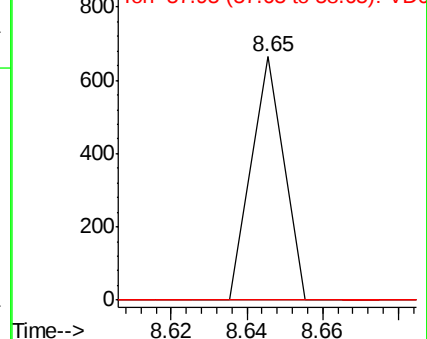
58 0.0 56.5 84.7#

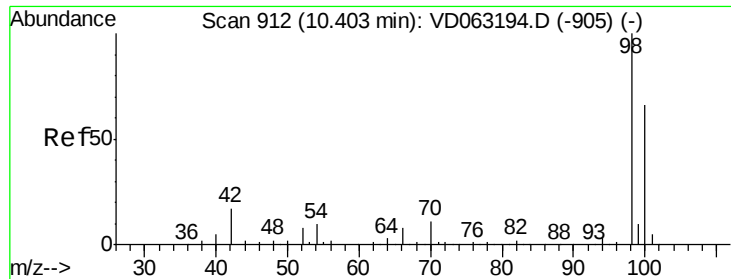


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

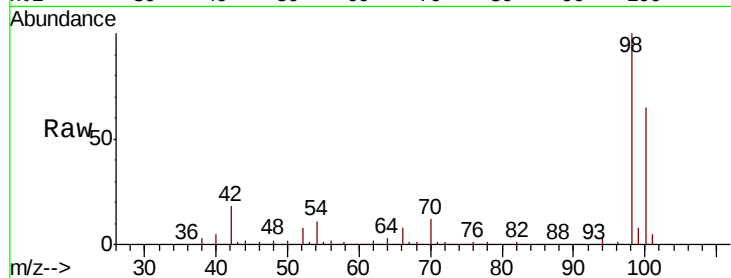




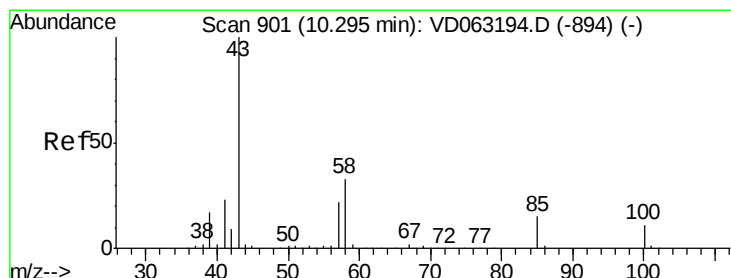
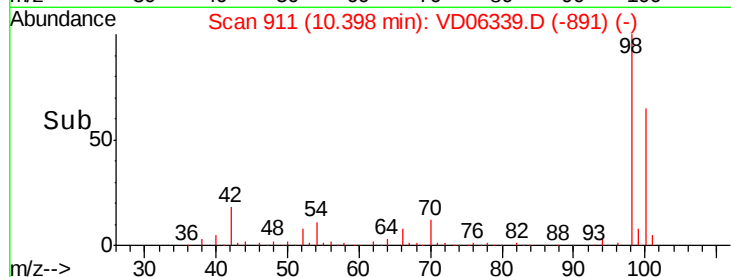
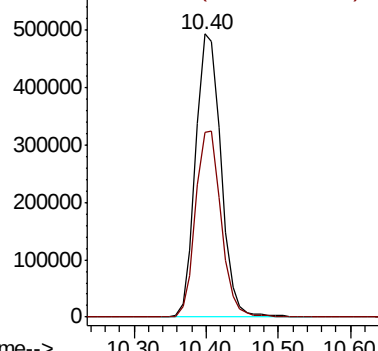
#50
Toluene-d8
Concen: 42.584 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 98 Resp: 1202351
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8

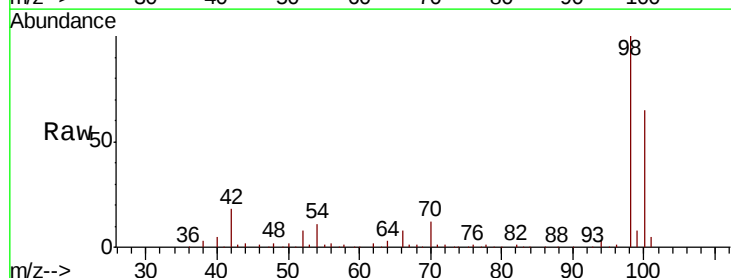


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

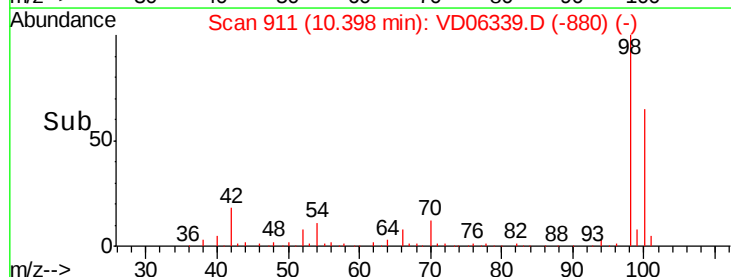
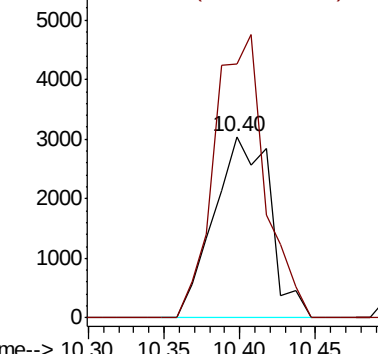


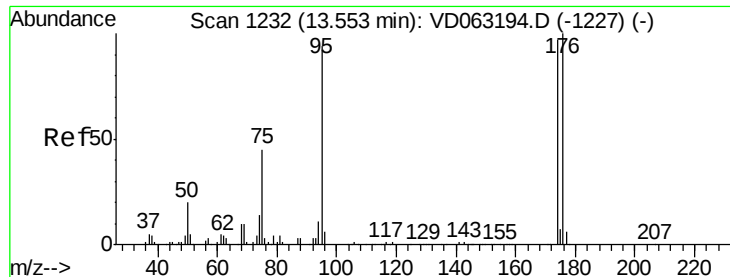
#51
4-Methyl-2-Pentanone
Concen: 1.497 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Tgt Ion: 43 Resp: 7879
Ion Ratio Lower Upper
43 100
58 140.0 26.2 39.2#



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

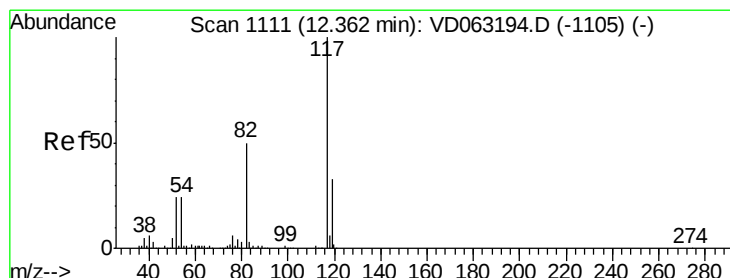
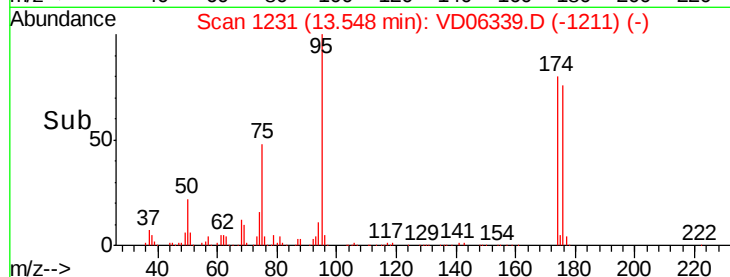
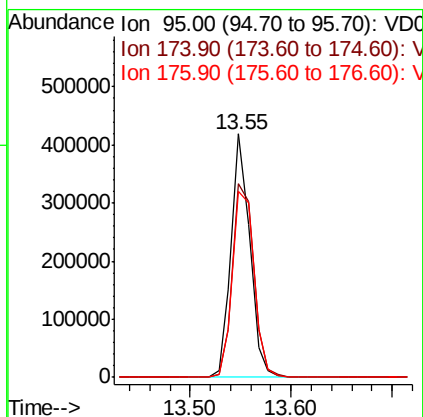
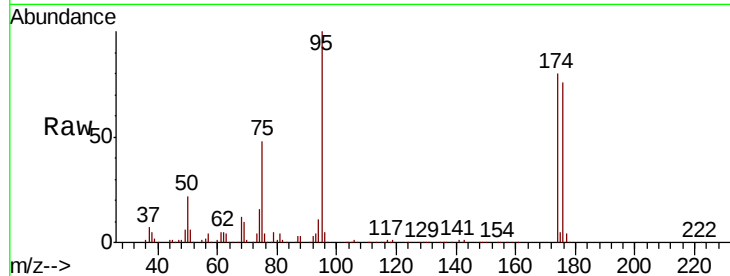




#62
4-Bromofluorobenzene
Concen: 41.944 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

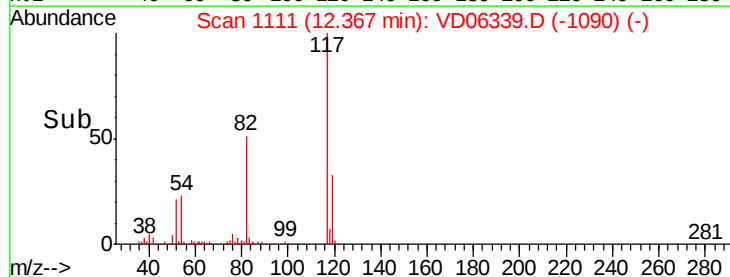
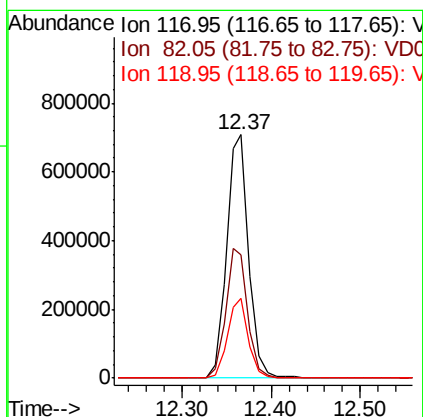
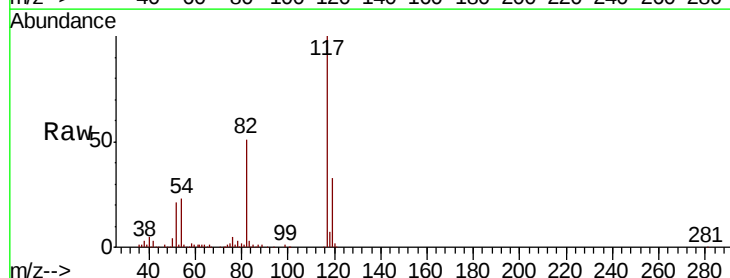
Instrument :
MSVOA_D
ClientSampleId :

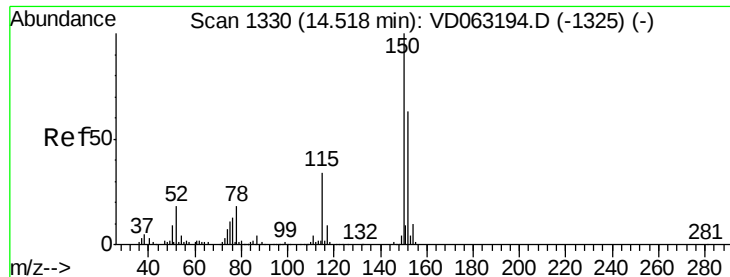
Tgt Ion: 95 Resp: 539663
Ion Ratio Lower Upper
95 100
174 79.6 0.0 205.4
176 76.2 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Tgt Ion: 117 Resp: 1233143
Ion Ratio Lower Upper
117 100
82 50.8 40.1 60.1
119 32.6 26.5 39.7



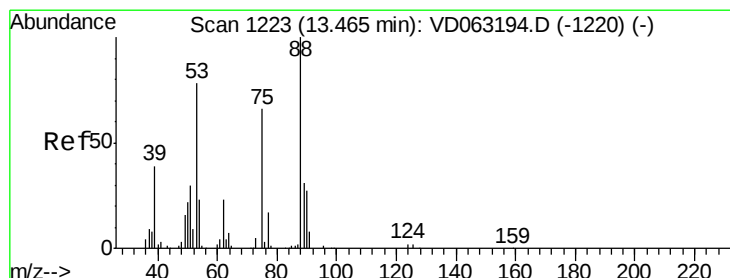
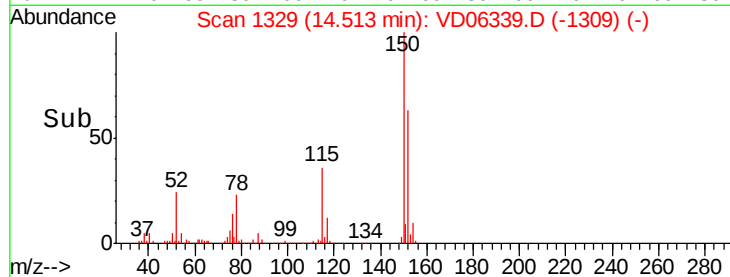
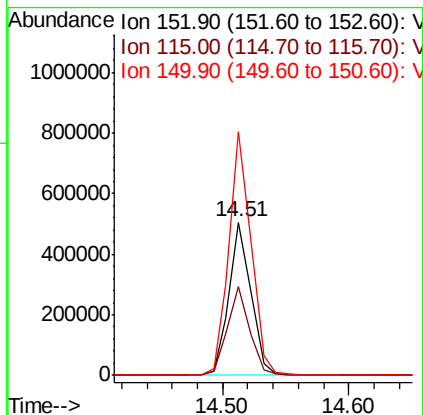
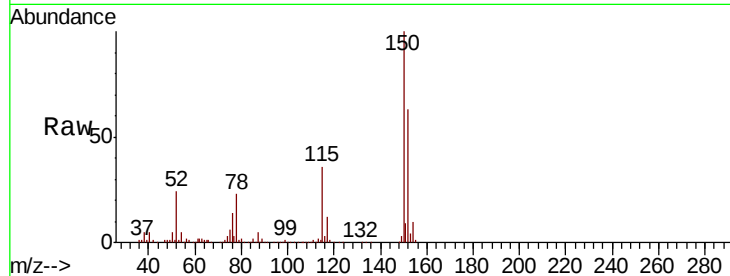


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.5	82.4
150	159.4	0.0	320.6



#81

trans-1,4-Dichloro-2-butene
Concen: 122.927 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD06339.D
Acq: 3 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

