

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063296.D
 Acq On : 1 Aug 2019 16:56
 Operator : VA/AP
 Sample : K4120-06
 Misc : 4.70µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T2-3

Quant Time: Aug 02 07:25:34 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	1046985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1431807	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1108195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	391531	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	436914	37.61	ug/l	0.00
Spiked Amount			Recovery	=	75.22%	
35) Dibromofluoromethane	6.92	113	523412	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
50) Toluene-d8	10.40	98	1088619	39.79	ug/l	0.00
Spiked Amount			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	13.55	95	350691	28.13	ug/l	0.00
Spiked Amount			Recovery	=	56.26%	

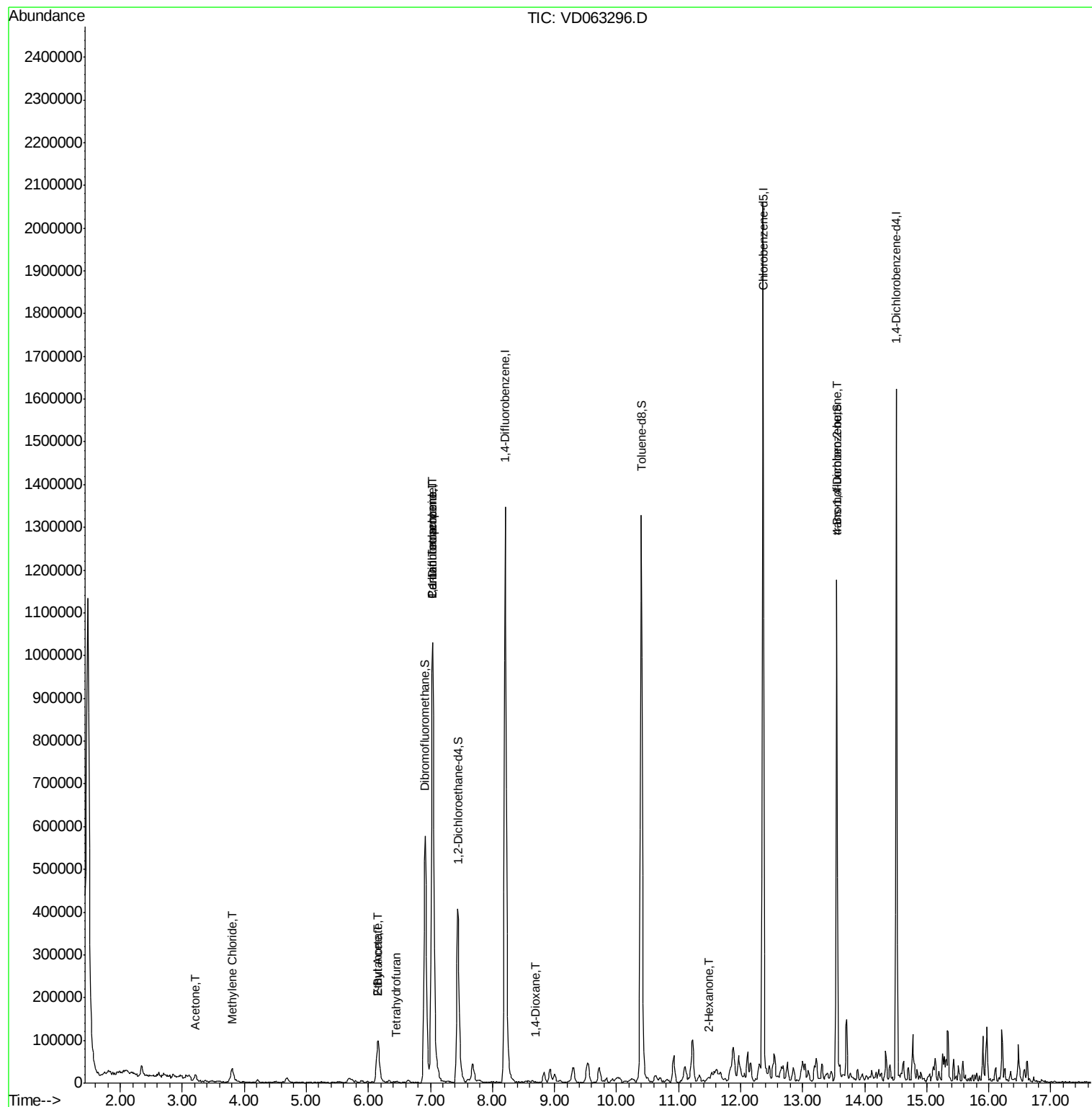
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	26100	11.531	ug/l	98
20) Methylene Chloride	3.81	84	18621	2.035	ug/l #	75
25) 2-Butanone	6.15	43	7634	3.361	ug/l	91
29) Tetrahydrofuran	6.45	42	2319	2.156	ug/l #	77
36) 1,1-Dichloropropene	7.04	75	80291	6.145	ug/l #	49
37) Ethyl Acetate	6.15	43	7634	1.300	ug/l #	6
38) Carbon Tetrachloride	7.04	117	100190	5.093	ug/l #	14
49) 1,4-Dioxane	8.69	88	213	1.057	ug/l #	16
59) 2-Hexanone	11.49	43	5160	1.404	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.55	75	145111	111.122	ug/l #	4

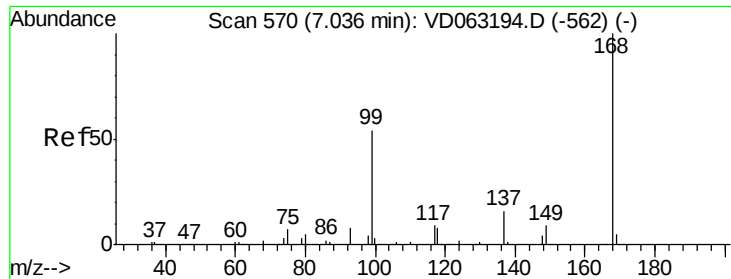
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T2-3

Quant Time: Aug 02 07:25:34 2019
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

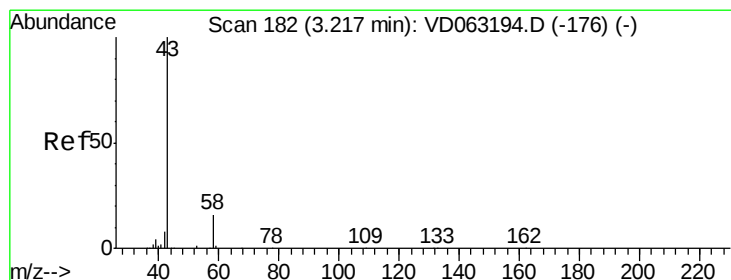
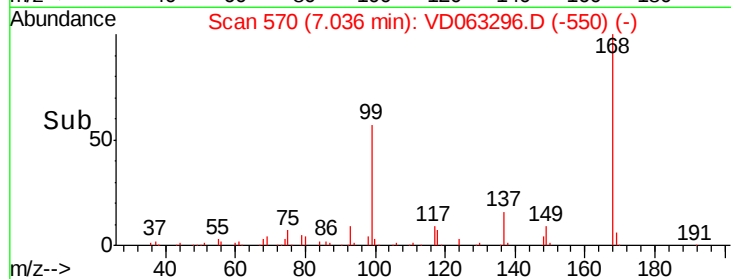
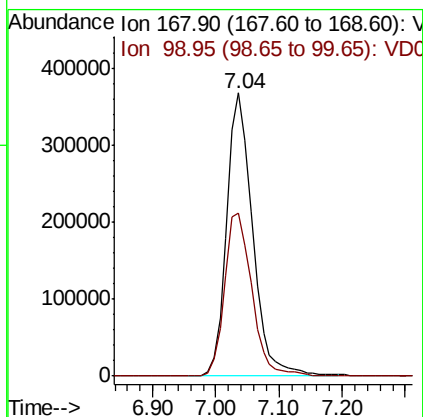
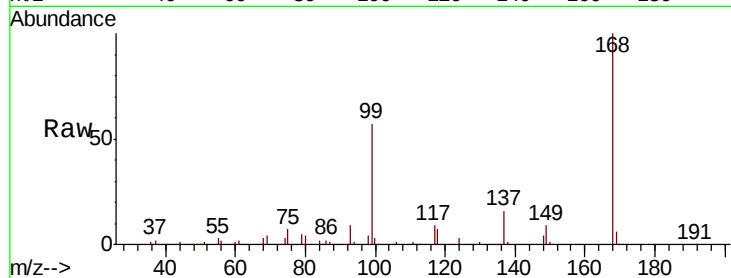




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

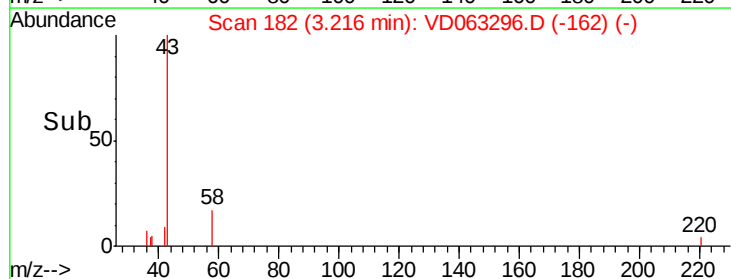
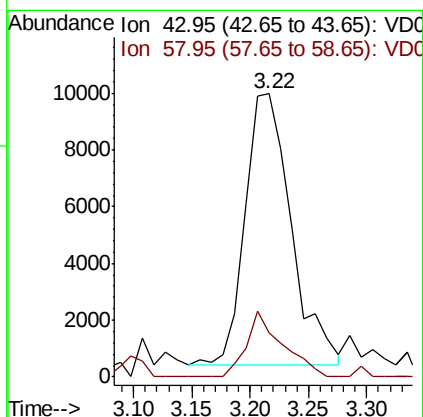
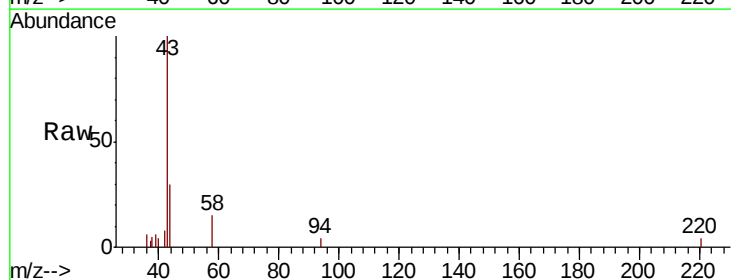
Instrument :
MSVOA_D
ClientSampleId :
T2-3

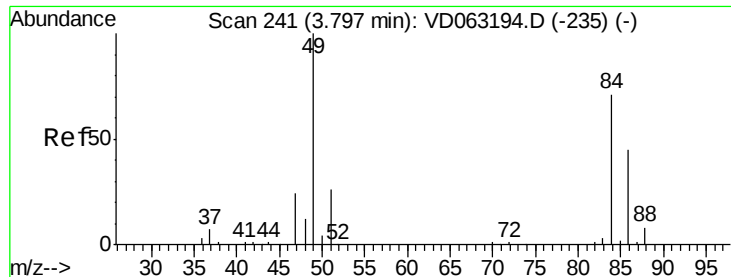
Tot Ion:168 Resp: 1046985
Ion Ratio Lower Upper
168 100
99 57.4 43.7 65.5



#16
Acetone
Concen: 11.531 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

Tgt Ion: 43 Resp: 26100
Ion Ratio Lower Upper
43 100
58 15.4 13.0 19.4

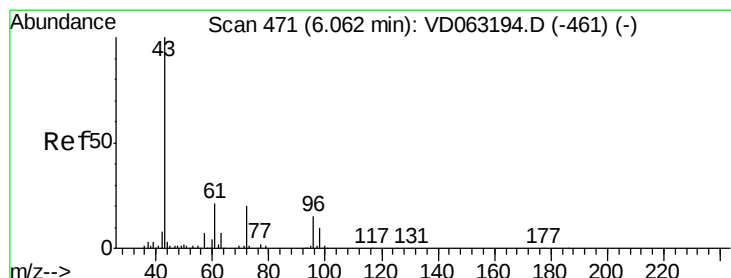
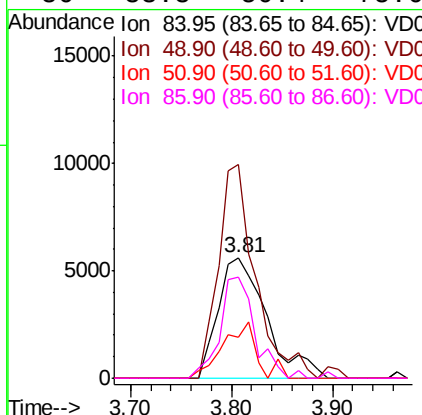
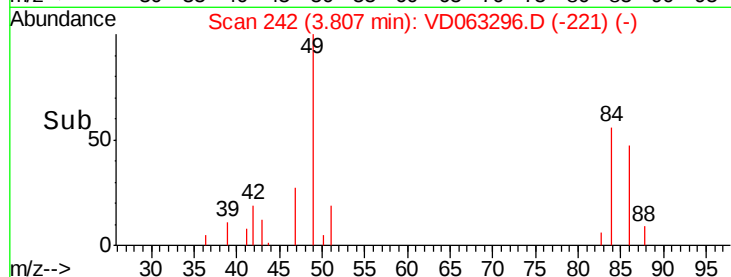
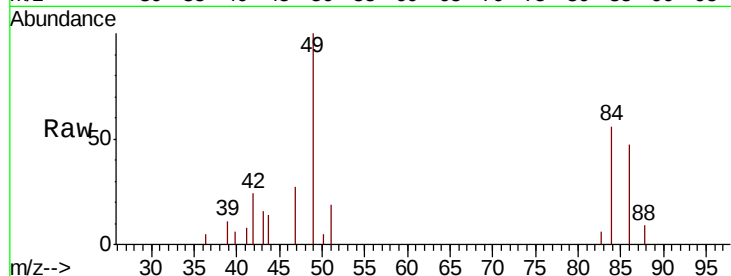




#20
Methvlene Chloride
Concen: 2.035 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

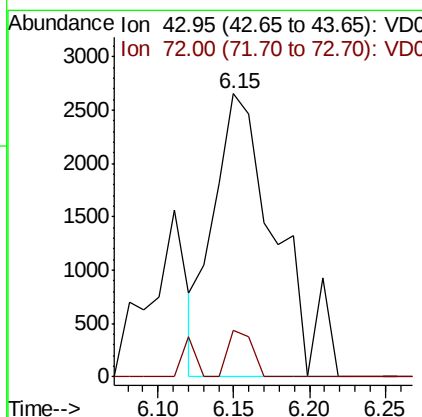
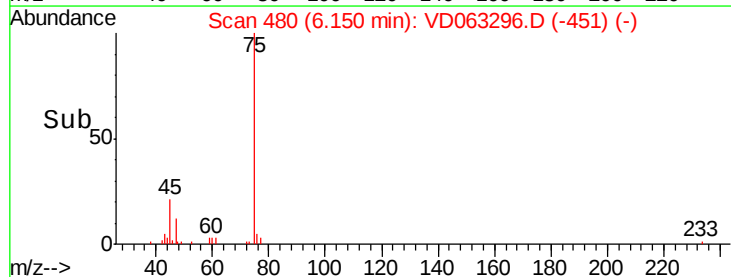
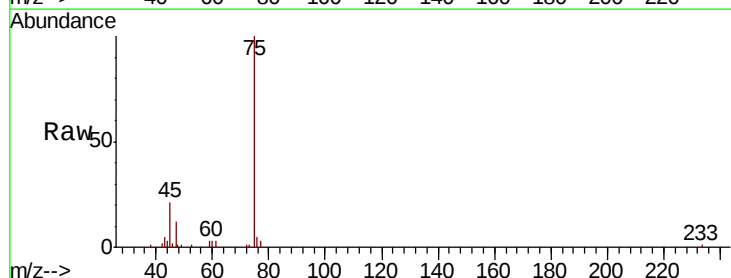
Instrument :
MSVOA_D
ClientSampleId :
T2-3

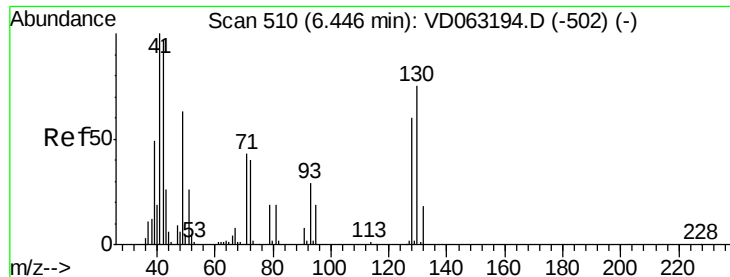
Tot Ion: 84 Resp: 18621
Ion Ratio Lower Upper
84 100
49 177.3 112.5 168.7#
51 34.2 29.6 44.4
86 83.8 50.4 75.6#



#25
2-Butanone
Concen: 3.361 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

Tgt Ion: 43 Resp: 7634
Ion Ratio Lower Upper
43 100
72 16.4 16.3 24.5

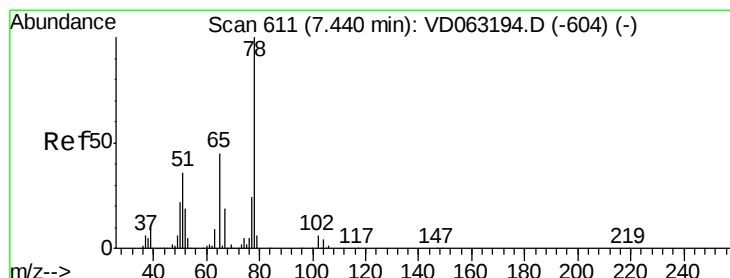
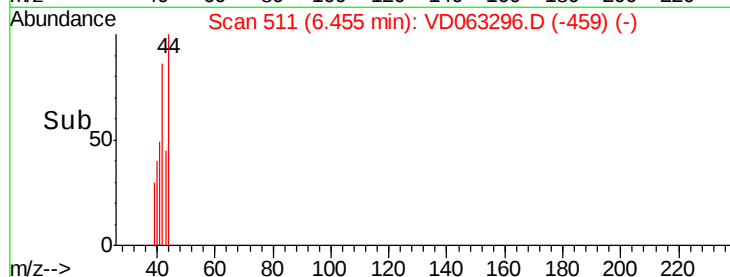
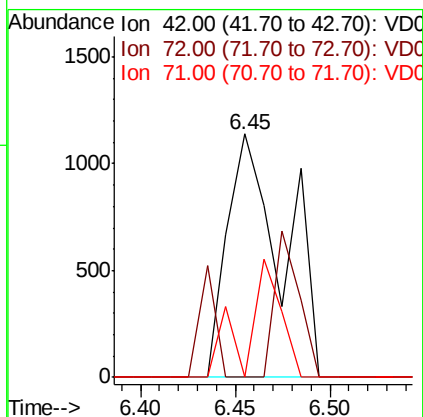
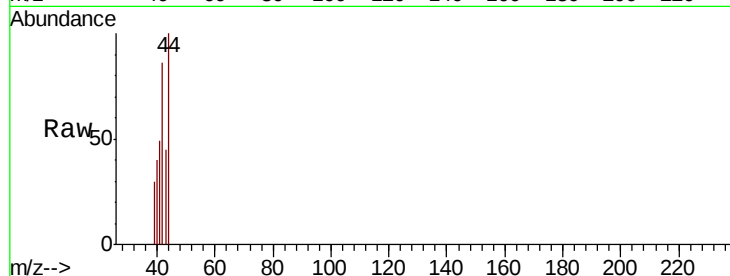




#29
Tetrahydrofuran
Concen: 2.156 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

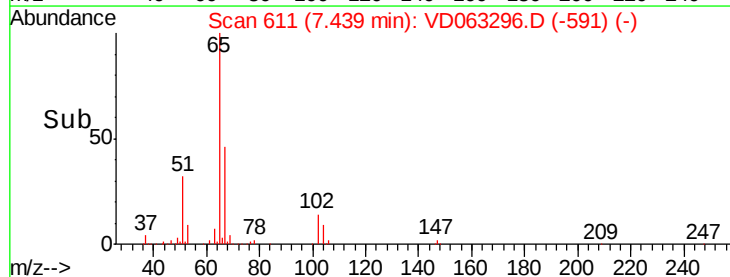
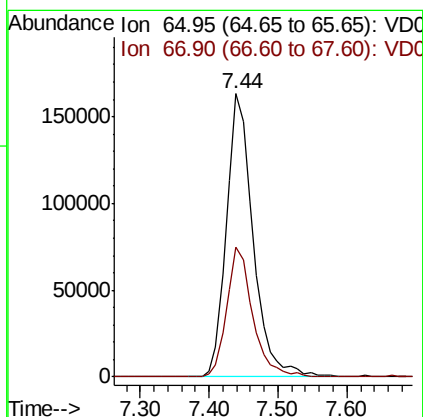
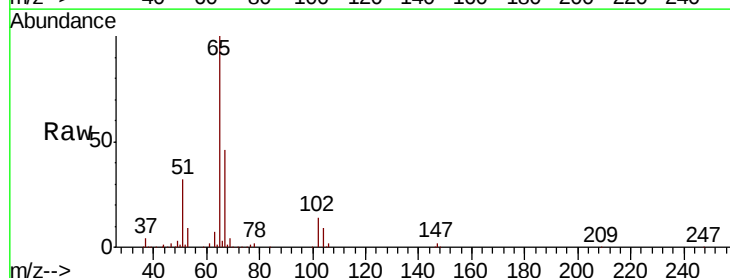
Instrument :
MSVOA_D
ClientSampled :
T2-3

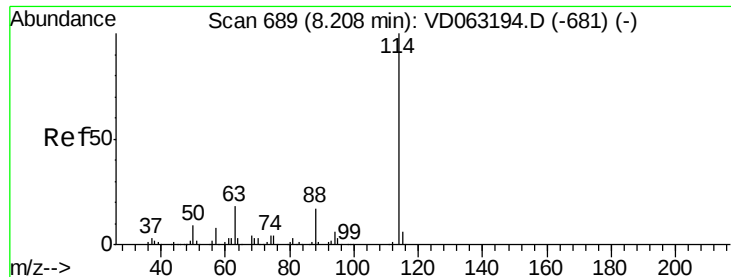
Tot Ion: 42 Resp: 2319
Ion Ratio Lower Upper
42 100
72 26.7 33.4 50.2#
71 30.3 35.7 53.5#



#33
1,2-Dichloroethane-d4
Concen: 37.609 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063296.D
Acq: 1 Aug 2019 16:56

Tgt Ion: 65 Resp: 436914
Ion Ratio Lower Upper
65 100
67 45.7 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: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T2-3

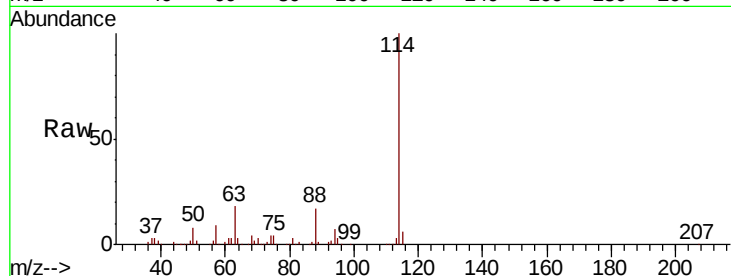
Tot Ion:114 Resp: 1431807

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

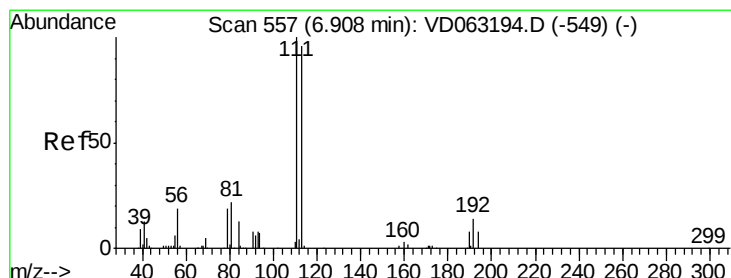
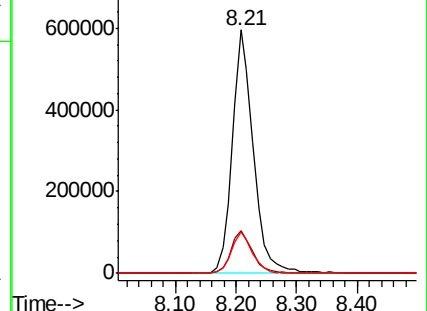
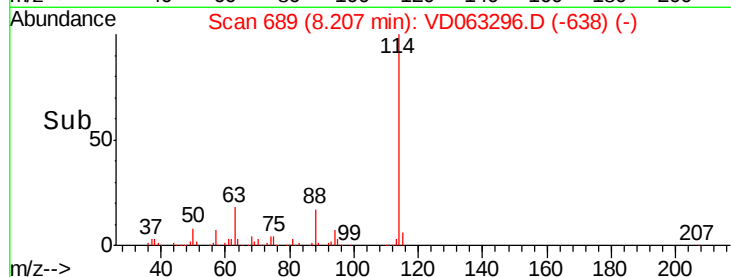
88 16.7 0.0 34.6



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: 42.816 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

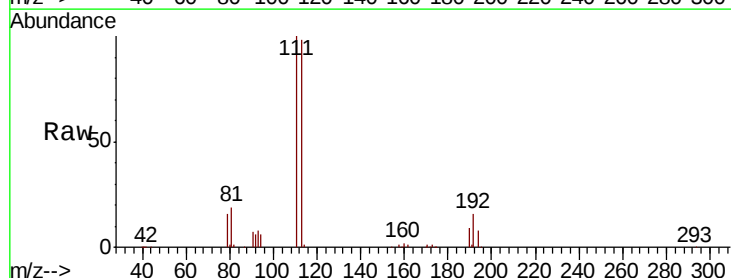
Tgt Ion:113 Resp: 523412

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

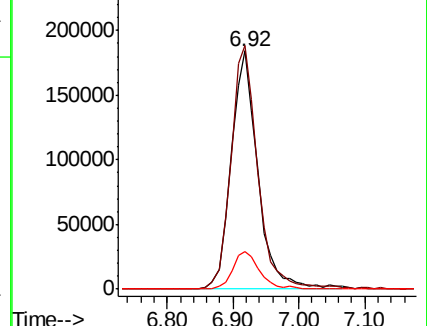
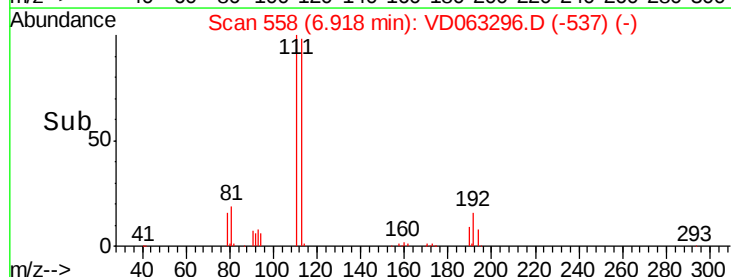
192 15.9 11.8 17.8

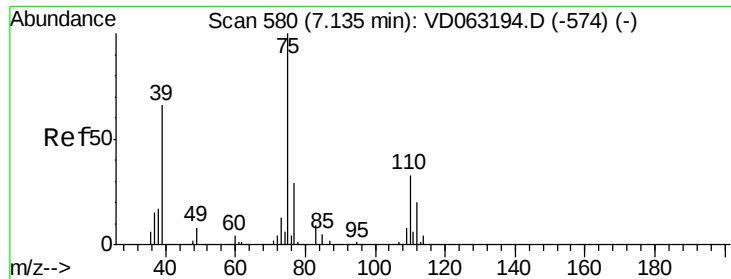


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.145 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T2-3

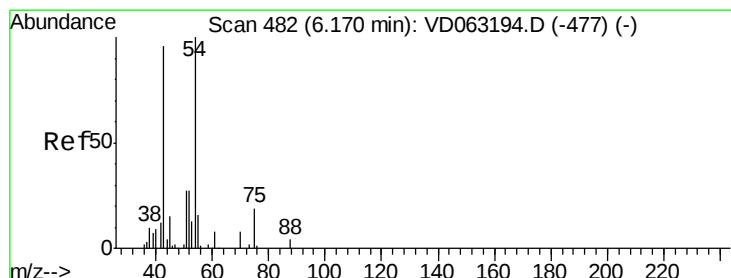
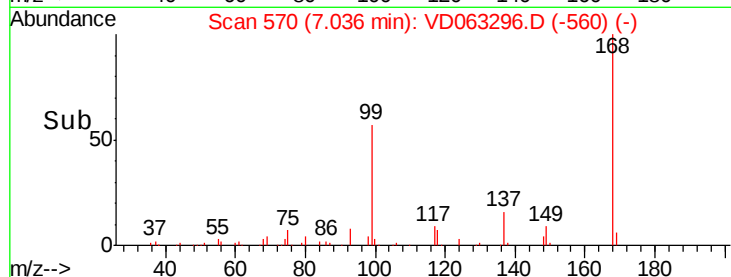
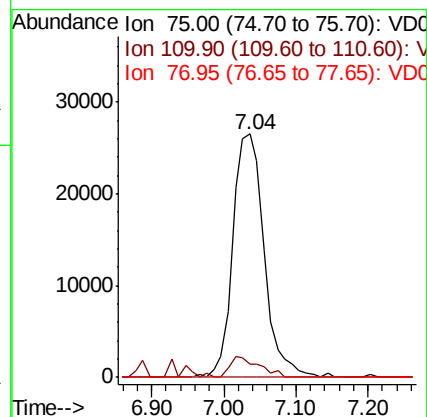
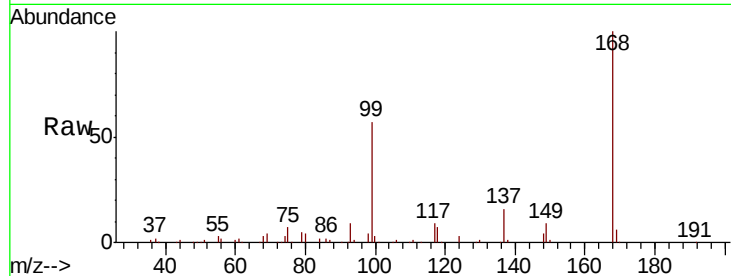
Tot Ion: 75 Resp: 80291

Ion Ratio Lower Upper

75 100

110 5.4 16.1 48.2#

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.300 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

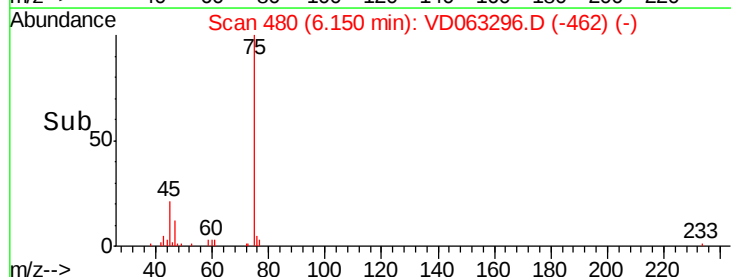
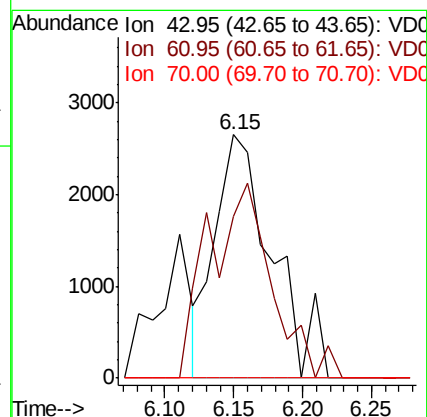
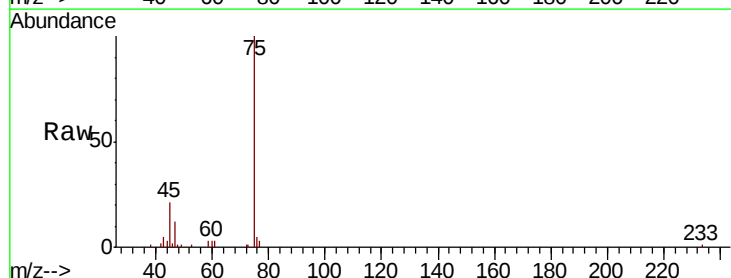
Tgt Ion: 43 Resp: 7634

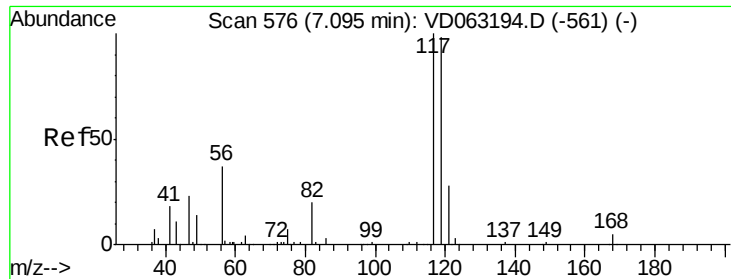
Ion Ratio Lower Upper

43 100

61 66.2 11.3 16.9#

70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.093 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T2-3

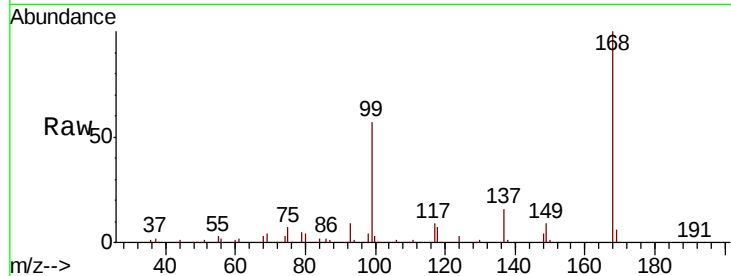
Tot Ion:117 Resp: 100190

Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

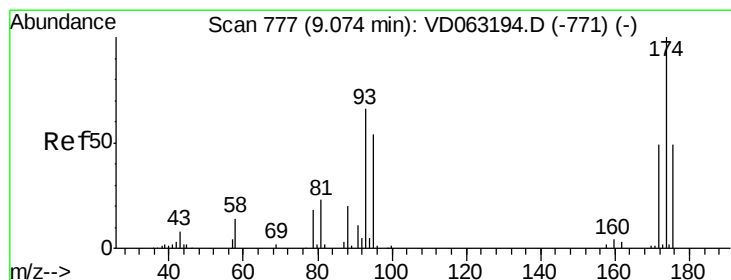
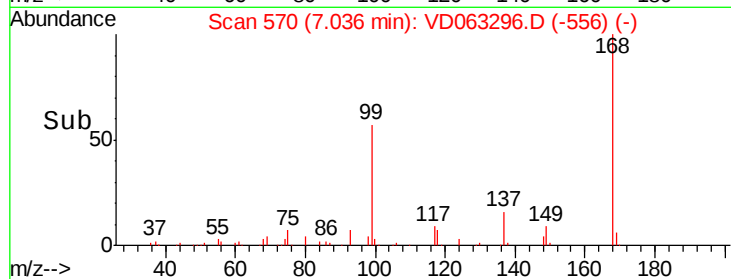
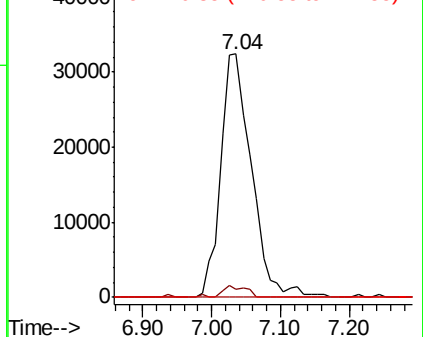
121 0.0 22.1 33.1#



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: 1.057 ug/l

RT: 8.69 min Scan# 738

Delta R.T. -0.38 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

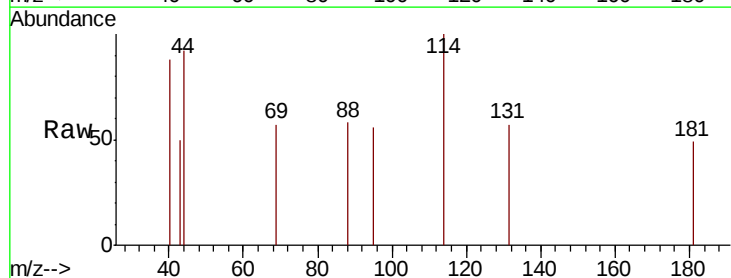
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 86.7 30.7 46.1#

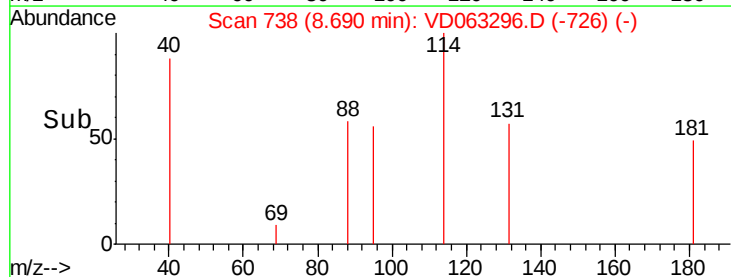
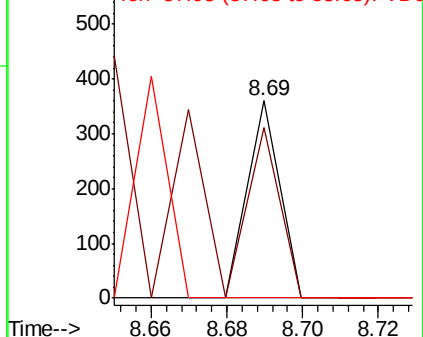
58 0.0 56.5 84.7#

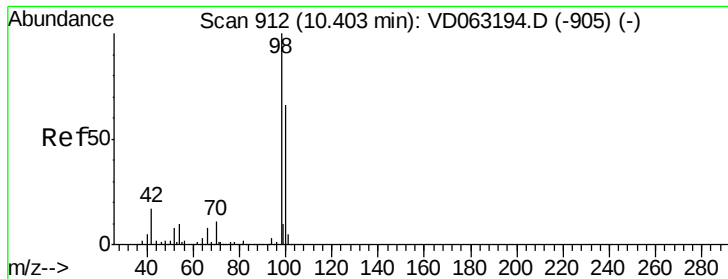


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 39.791 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

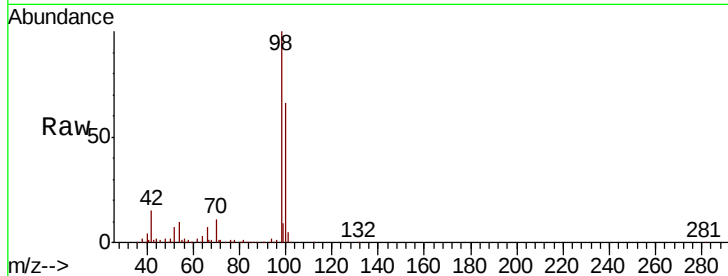
T2-3

Tot Ion: 98 Resp: 1088619

Ion Ratio Lower Upper

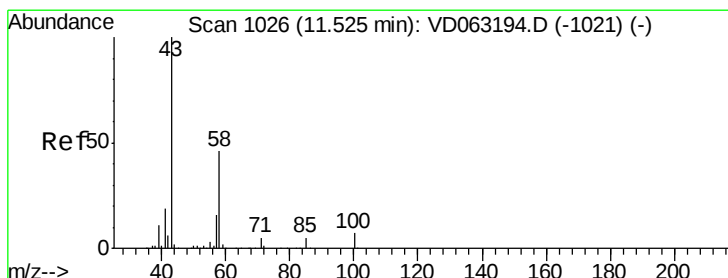
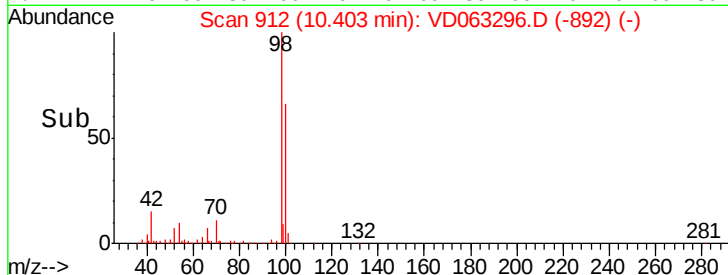
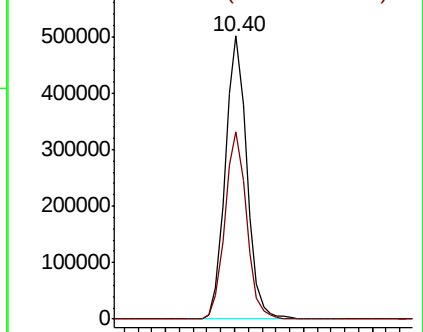
98 100

100 66.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#59

2-Hexanone

Concen: 1.404 ug/l

RT: 11.49 min Scan# 1022

Delta R.T. -0.04 min

Lab File: VD063296.D

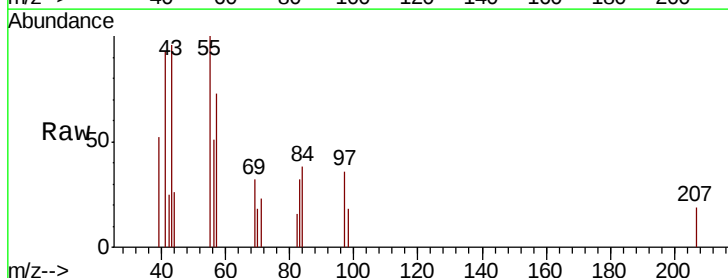
Acq: 1 Aug 2019 16:56

Tgt Ion: 43 Resp: 5160

Ion Ratio Lower Upper

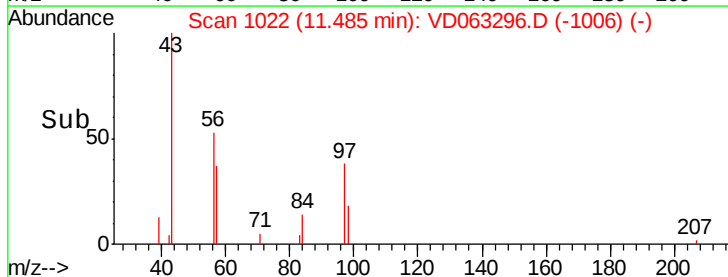
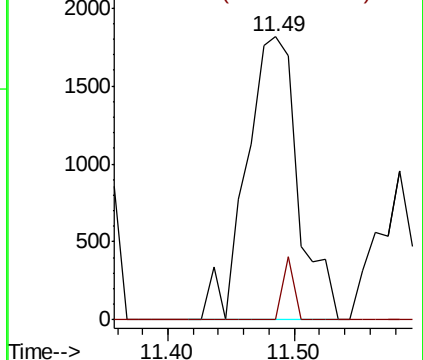
43 100

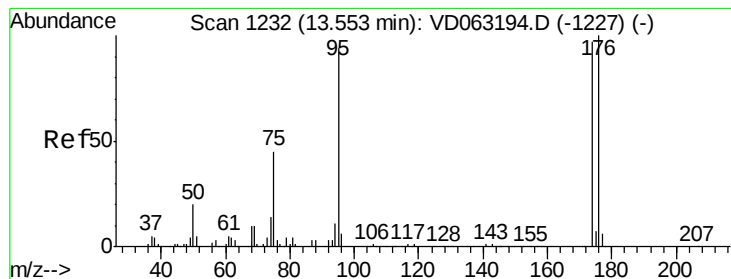
58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 28.129 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T2-3

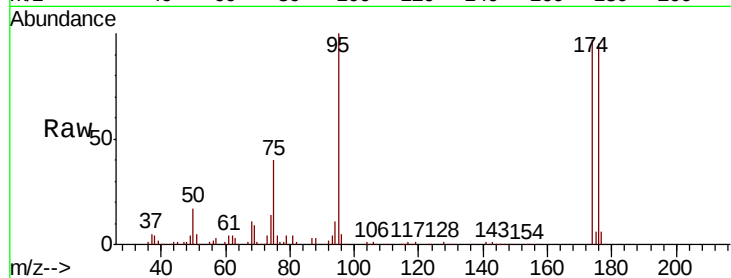
Tot Ion: 95 Resp: 350691

Ion Ratio Lower Upper

95 100

174 96.9 0.0 205.4

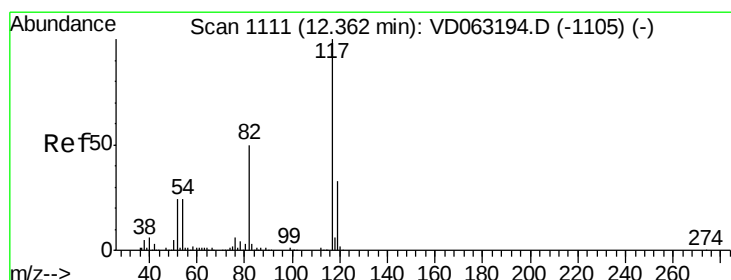
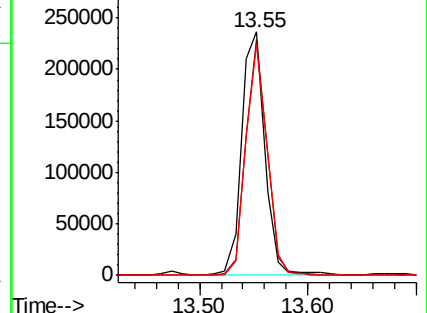
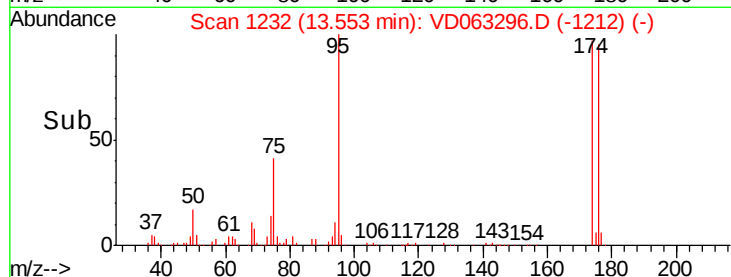
176 94.9 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: VD063296.D

Acq: 1 Aug 2019 16:56

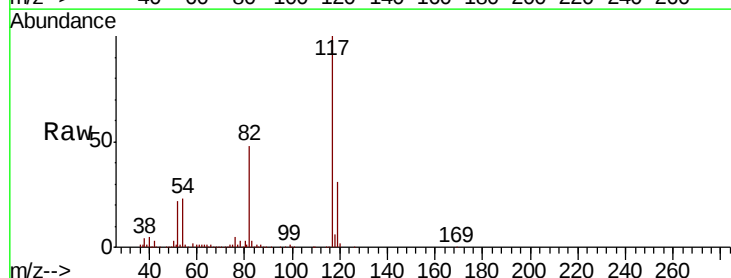
Tgt Ion: 117 Resp: 1108195

Ion Ratio Lower Upper

117 100

82 48.4 40.1 60.1

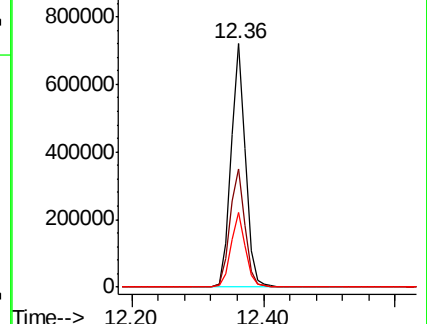
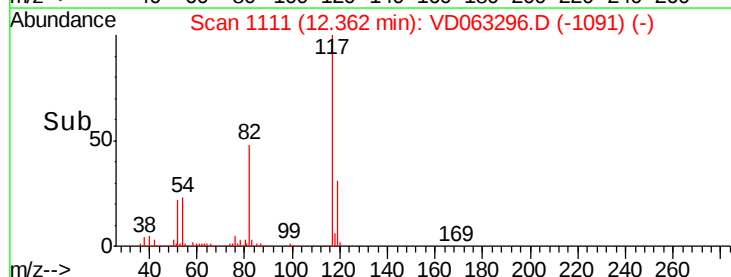
119 30.9 26.5 39.7

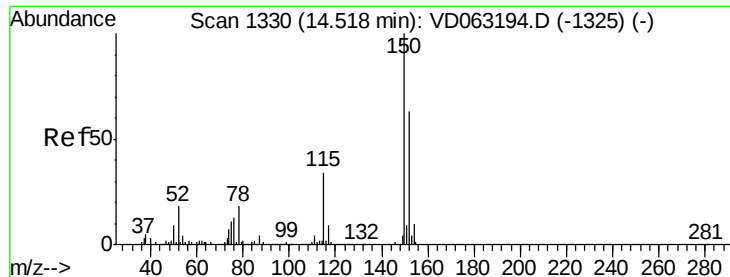


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063296.D

Acq: 1 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T2-3

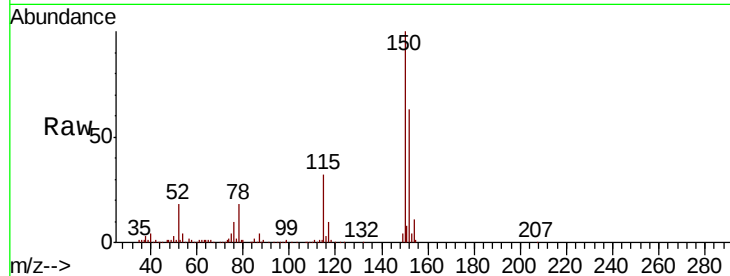
Tot Ion:152 Resp: 391531

Ion Ratio Lower Upper

152 100

115 50.0 27.5 82.4

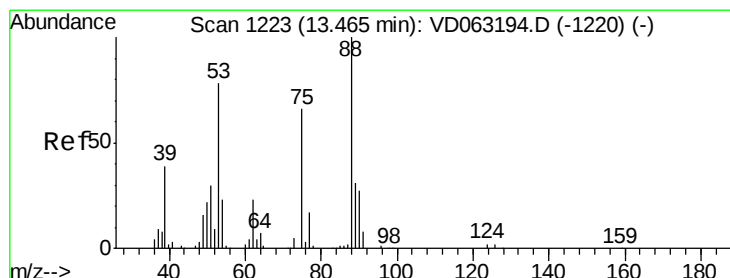
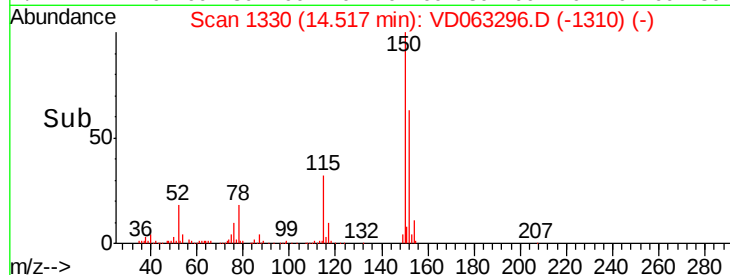
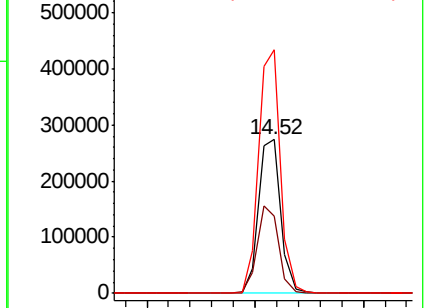
150 158.5 0.0 320.6



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: 111.122 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063296.D

Acq: 1 Aug 2019 16:56

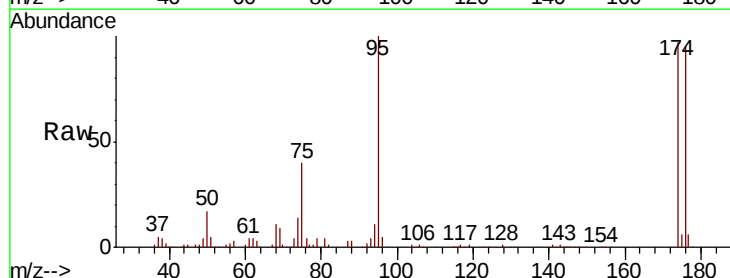
Tgt Ion: 75 Resp: 145111

Ion Ratio Lower Upper

75 100

53 0.6 94.9 142.3#

89 0.0 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

