

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063327.D
 Acq On : 2 Aug 2019 20:02
 Operator : VA/AP
 Sample : K4130-09
 Misc : 5.19g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F3-(30)

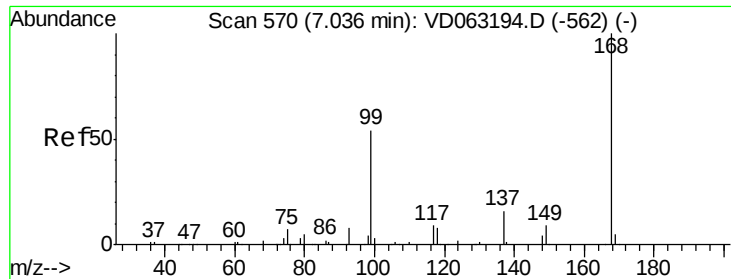
Quant Time: Aug 04 03:40:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1017663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1425106	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1151209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	547854	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	551765	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	6.91	113	614737	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.40	98	1205700	44.28	ug/l	0.00
Spiked Amount			Recovery	=	88.56%	
62) 4-Bromofluorobenzene	13.55	95	507828	40.92	ug/l	0.00
Spiked Amount			Recovery	=	81.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1244	2.510	ug/l #	69
13) Acrolein	3.00	56	538	1.128	ug/l #	15
16) Acetone	3.19	43	6686	3.039	ug/l	100
20) Methylene Chloride	3.80	84	31827	3.579	ug/l	91
25) 2-Butanone	6.14	43	6753	3.058	ug/l #	56
29) Tetrahydrofuran	6.44	42	1630	1.559	ug/l #	57
31) Cyclohexane	7.02	56	21626	2.150	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	80122	6.160	ug/l #	52
37) Ethyl Acetate	6.14	43	6753	1.156	ug/l #	23
38) Carbon Tetrachloride	7.03	117	94624	4.833	ug/l #	13
51) 4-Methyl-2-Pentanone	10.40	43	8704	1.715	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	242298	132.602	ug/l #	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063327.D

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ClientSampleId :

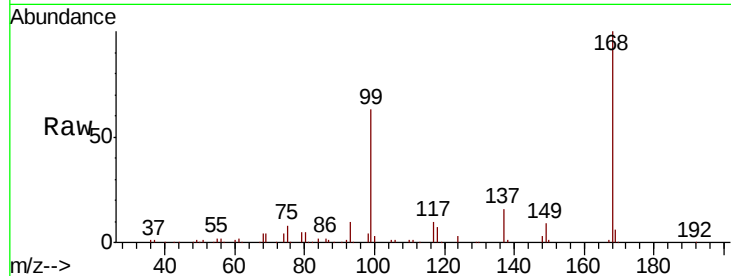
1S-F3-(30)

Tgt Ion:168 Resp: 1017663

Ion Ratio Lower Upper

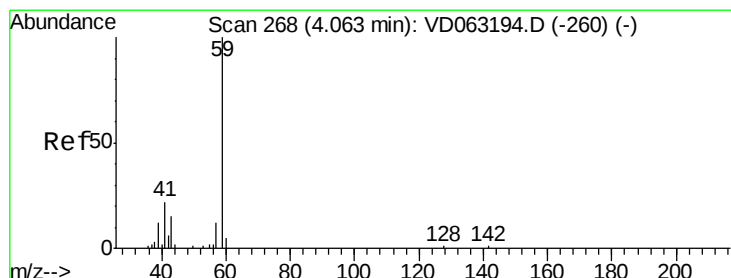
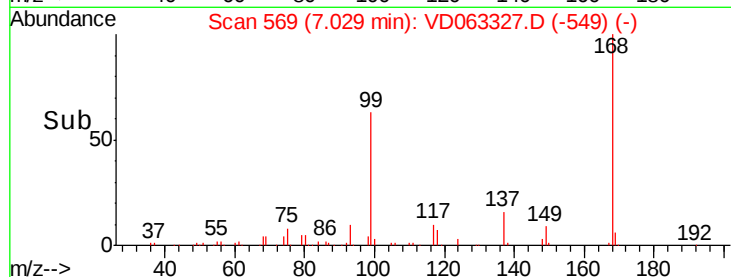
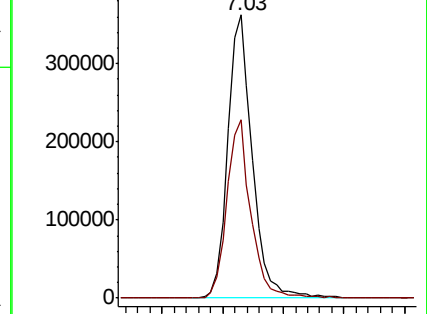
168 100

99 62.8 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: 2.510 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063327.D

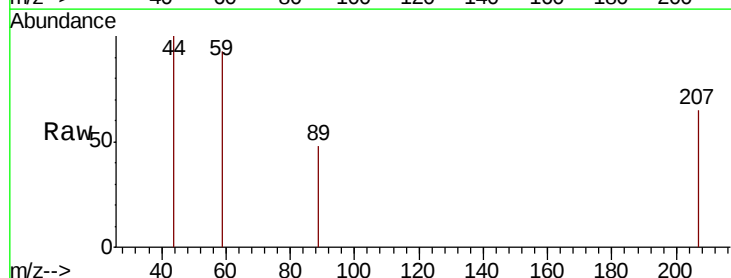
Acq: 2 Aug 2019 20:02

Tgt Ion: 59 Resp: 1244

Ion Ratio Lower Upper

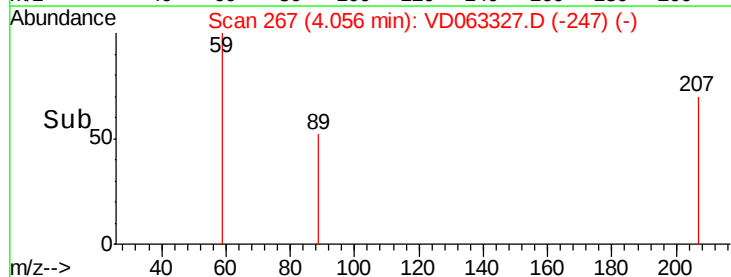
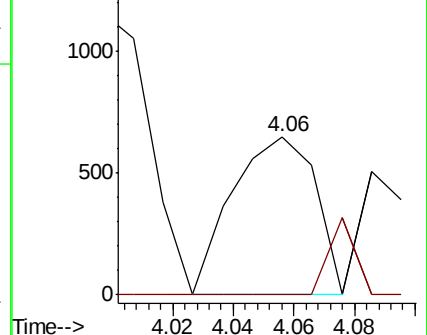
59 100

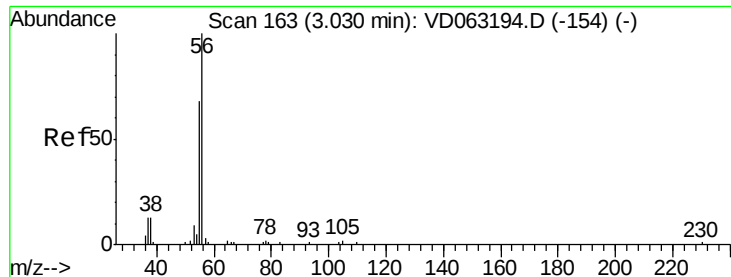
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.128 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.03 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

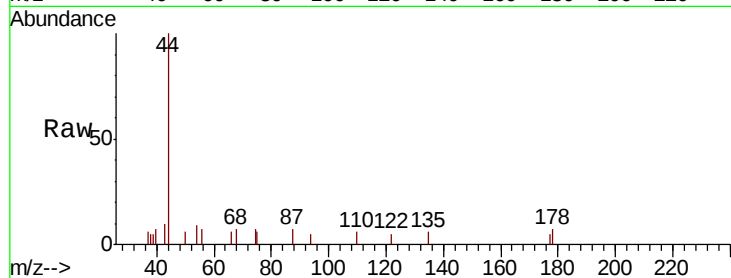
1S-F3-(30)

Tgt Ion: 56 Resp: 538

Ion Ratio Lower Upper

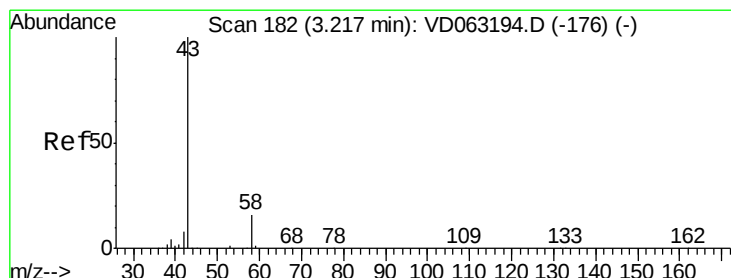
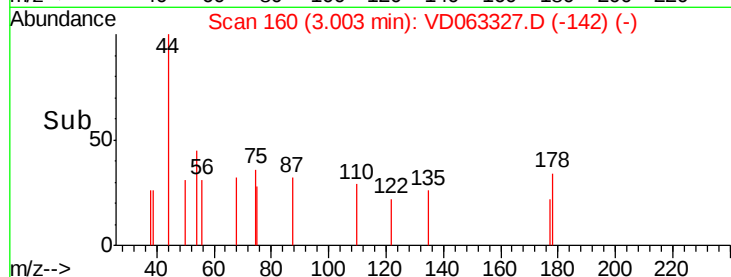
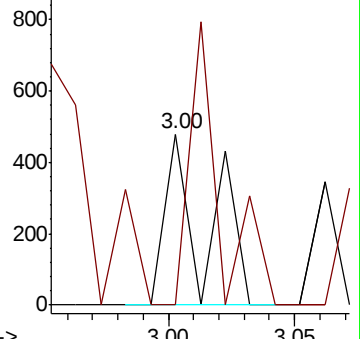
56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.039 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.03 min

Lab File: VD063327.D

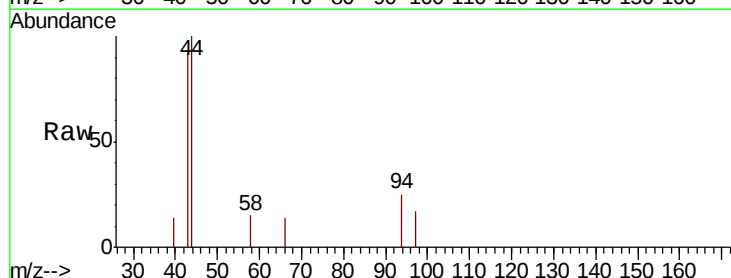
Acq: 2 Aug 2019 20:02

Tgt Ion: 43 Resp: 6686

Ion Ratio Lower Upper

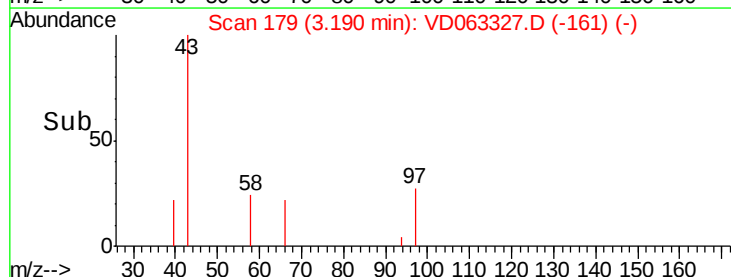
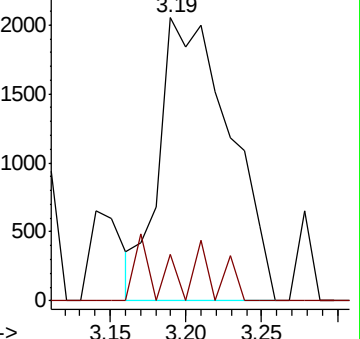
43 100

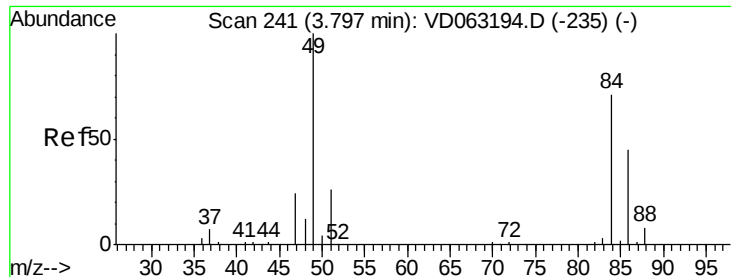
58 16.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

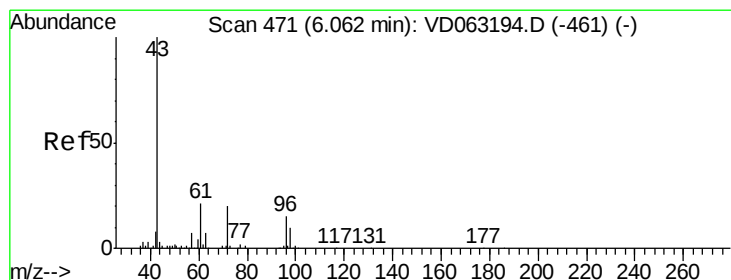
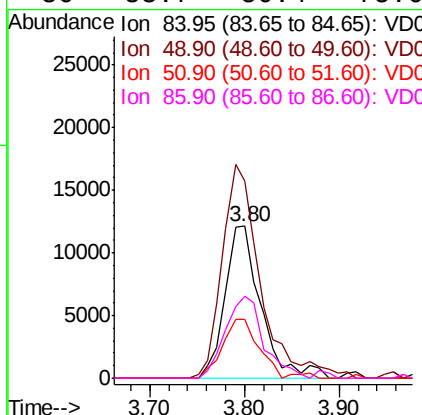
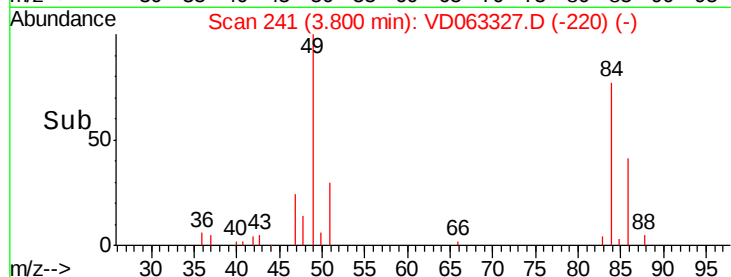
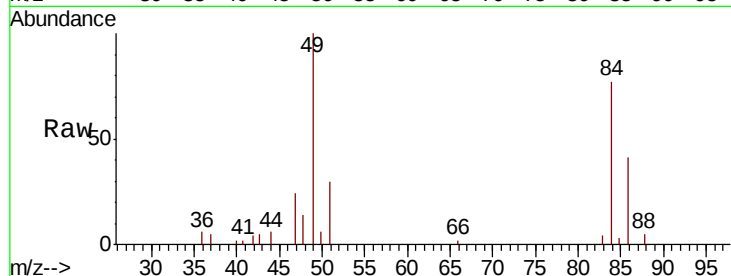




#20
Methylene Chloride
Concen: 3.579 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

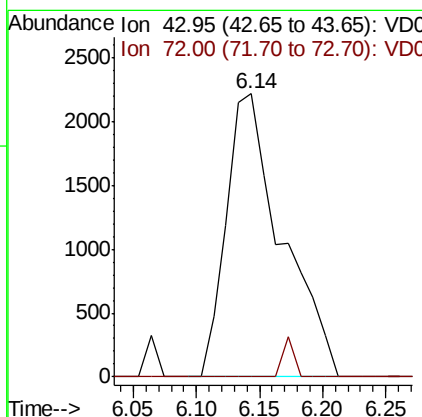
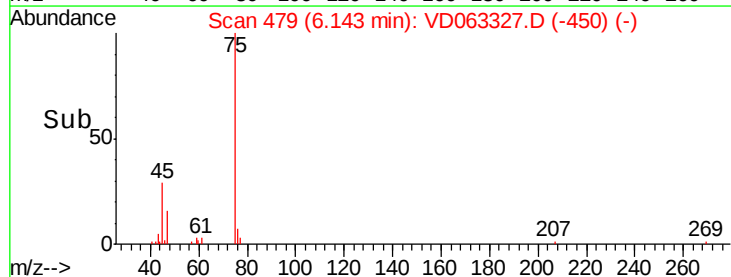
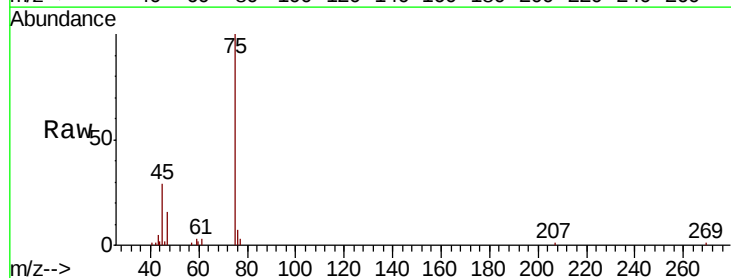
Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(30)

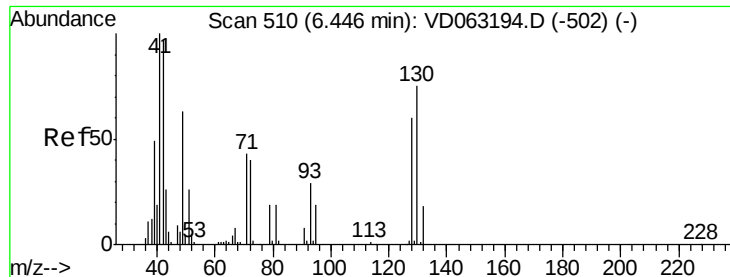
Tgt Ion: 84 Resp: 31827
Ion Ratio Lower Upper
84 100
49 129.6 112.5 168.7
51 38.7 29.6 44.4
86 53.7 50.4 75.6



#25
2-Butanone
Concen: 3.058 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.08 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

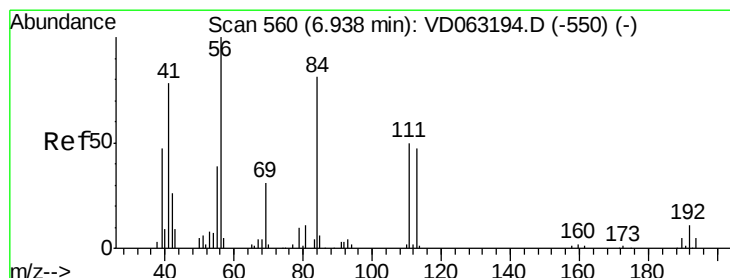
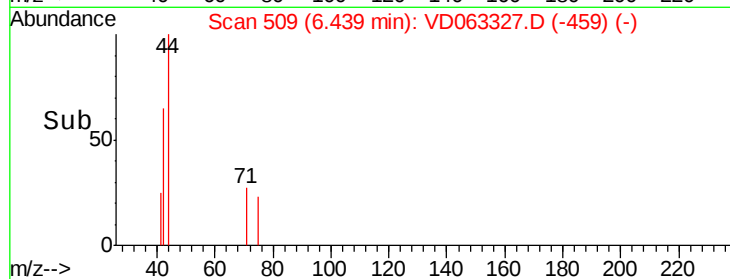
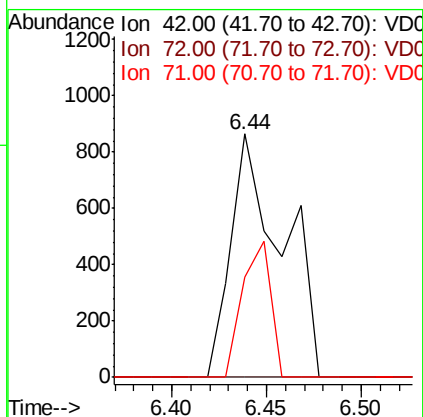
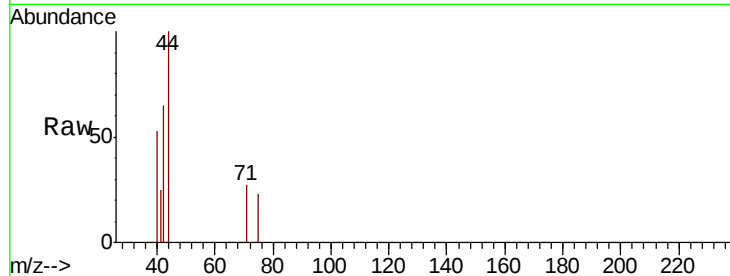




#29
Tetrahydrofuran
Concen: 1.559 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

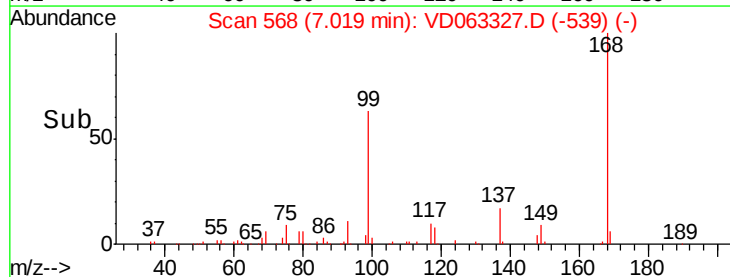
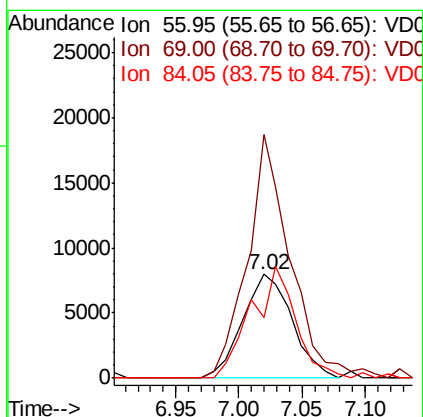
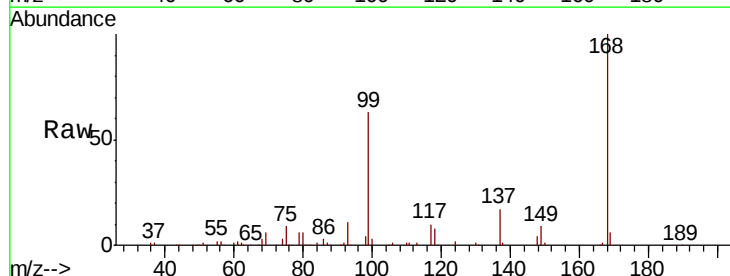
Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(30)

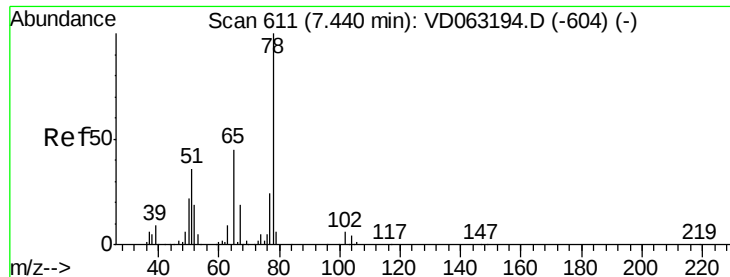
Tgt Ion: 42 Resp: 1630
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 30.5 35.7 53.5#



#31
Cyclohexane
Concen: 2.150 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion: 56 Resp: 21626
Ion Ratio Lower Upper
56 100
69 234.9 24.5 36.7#
84 58.1 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 48.864 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

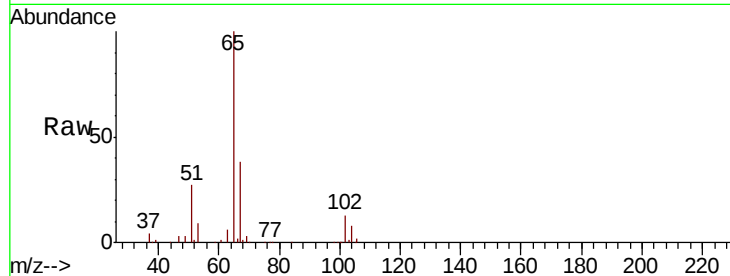
1S-F3-(30)

Tgt Ion: 65 Resp: 551765

Ion Ratio Lower Upper

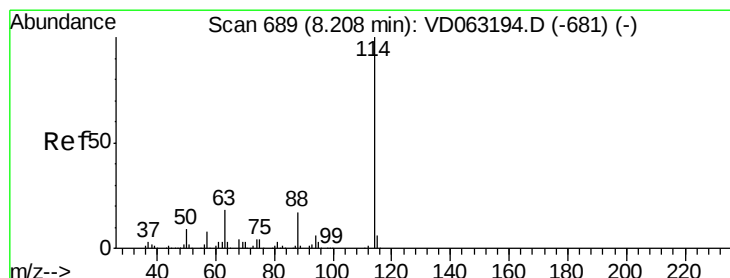
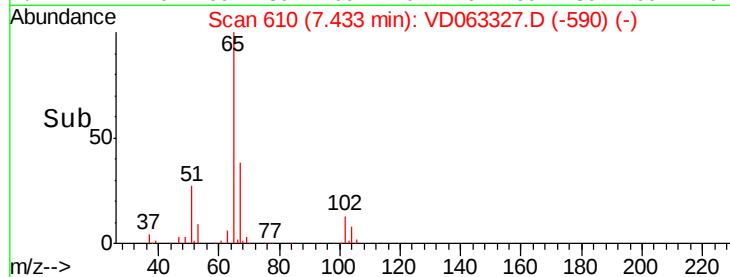
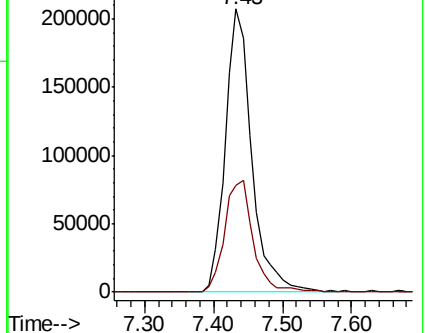
65 100

67 37.5 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: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

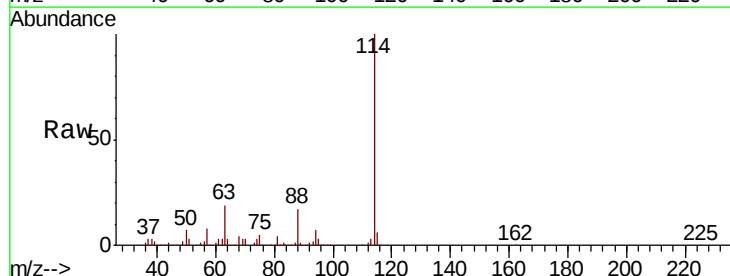
Tgt Ion: 114 Resp: 1425106

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.2

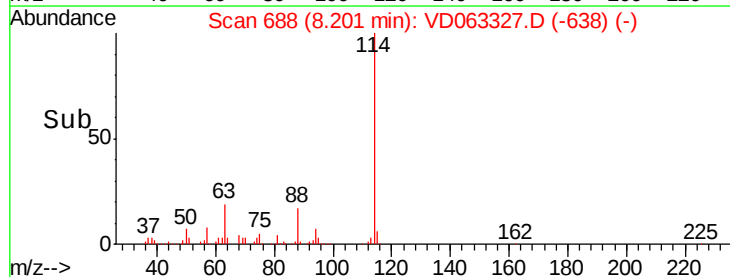
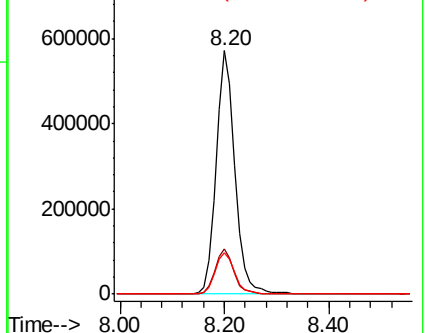
88 17.1 0.0 34.6

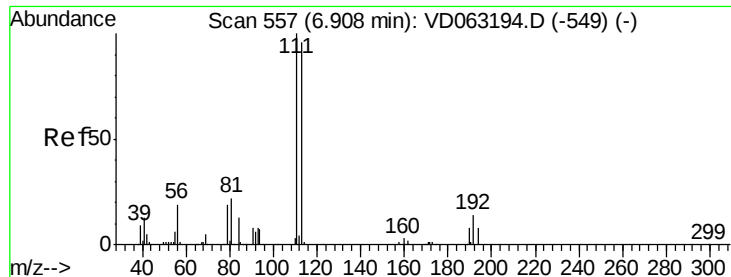


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.523 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(30)

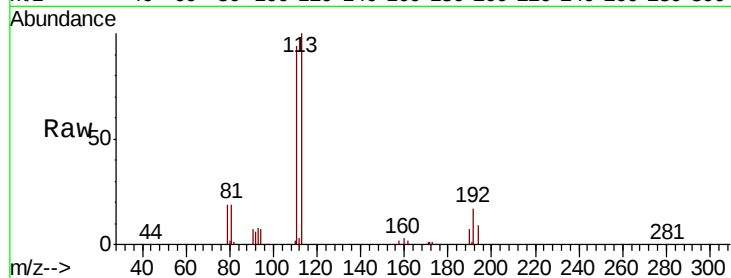
Tgt Ion:113 Resp: 614737

Ion Ratio Lower Upper

113 100

111 94.0 83.2 124.8

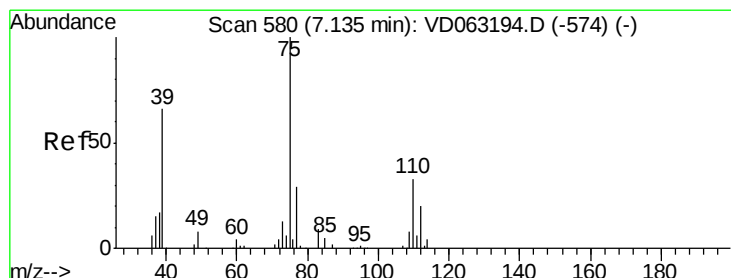
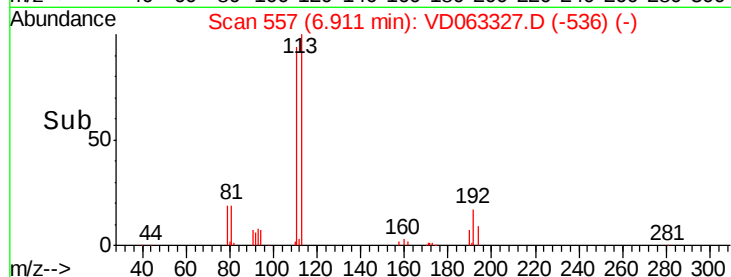
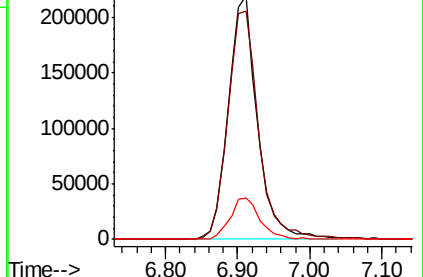
192 17.0 11.8 17.8



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: 6.160 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.12 min

Lab File: VD063327.D

Acq: 2 Aug 2019 20:02

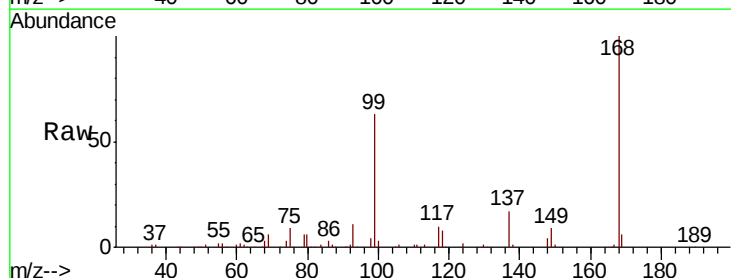
Tgt Ion: 75 Resp: 80122

Ion Ratio Lower Upper

75 100

110 7.7 16.1 48.2#

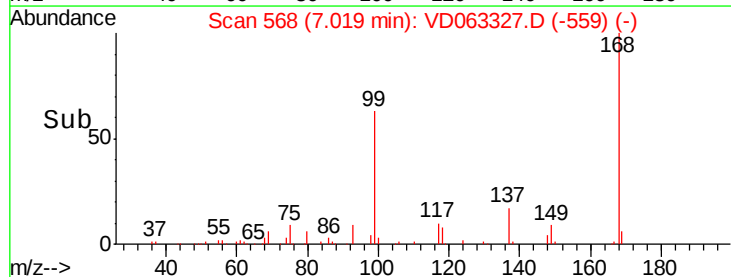
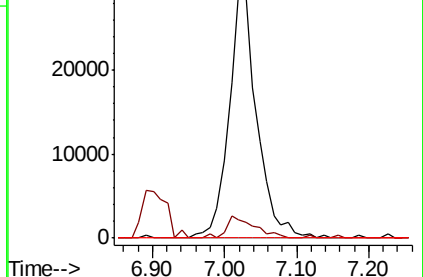
77 0.0 22.7 34.1#

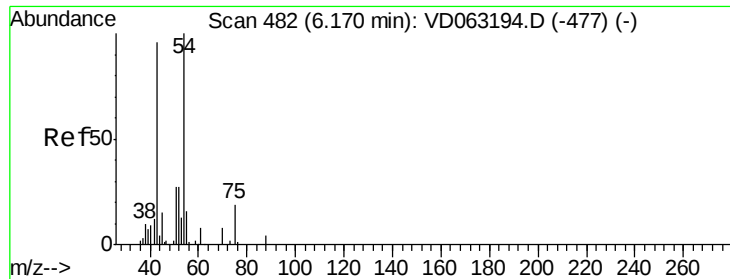


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

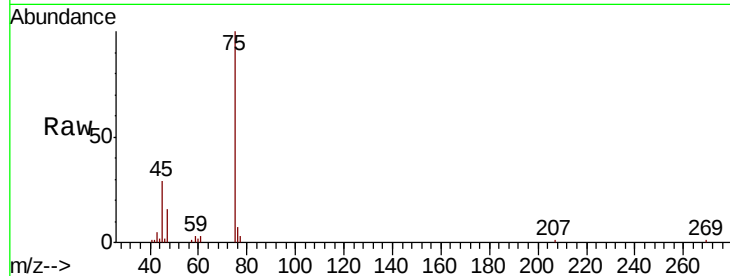




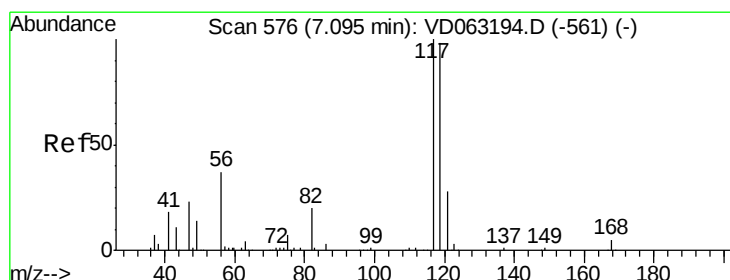
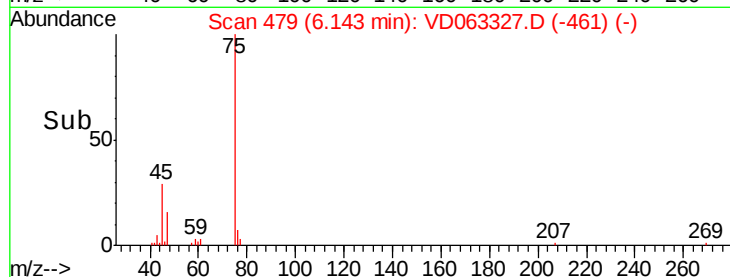
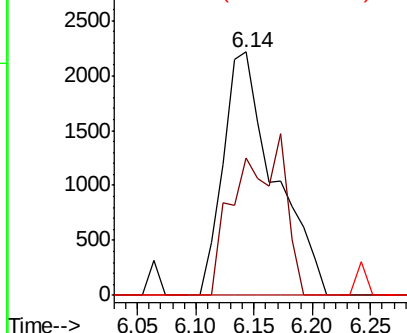
#37
Ethyl Acetate
Concen: 1.156 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.03 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Instrument :
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1S-F3-(30)

Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
61 56.5 11.3 16.9#
70 0.0 5.1 7.7#

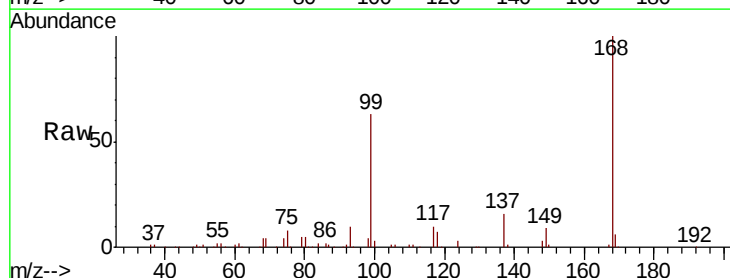


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

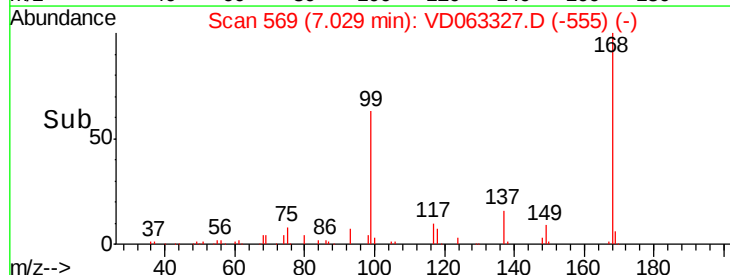
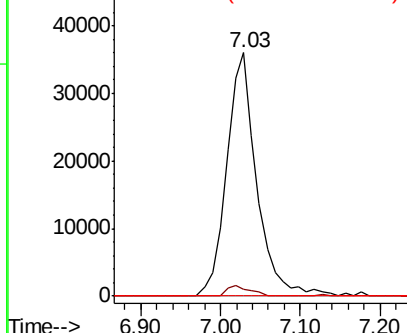


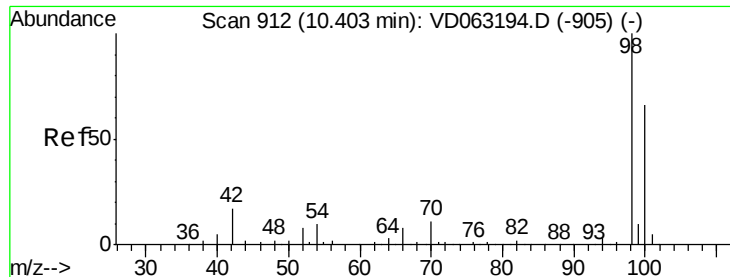
#38
Carbon Tetrachloride
Concen: 4.833 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion: 117 Resp: 94624
Ion Ratio Lower Upper
117 100
119 2.6 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

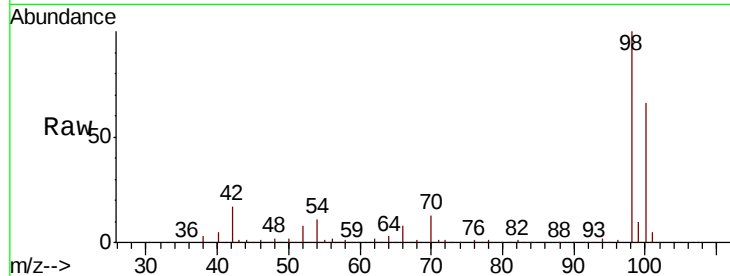




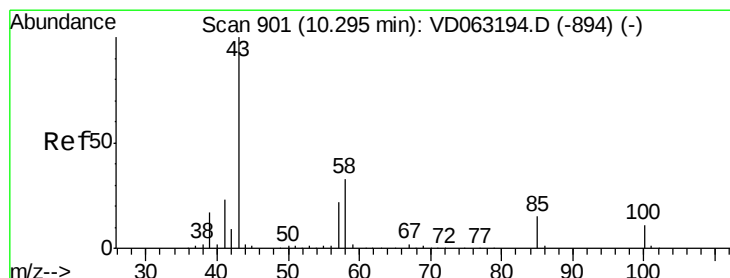
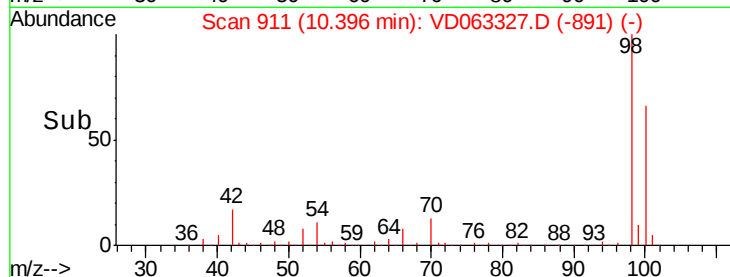
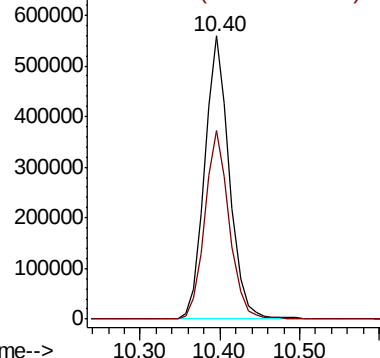
#50
Toluene-d8
Concen: 44.278 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(30)

Tgt Ion: 98 Resp: 1205700
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8

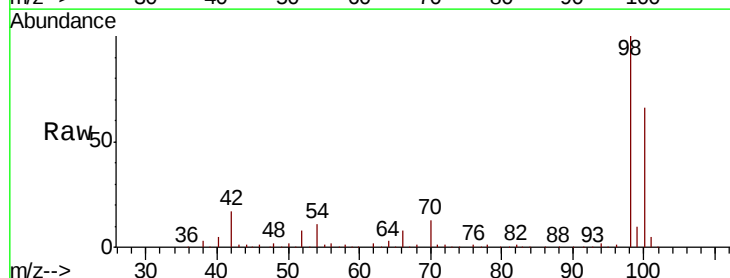


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

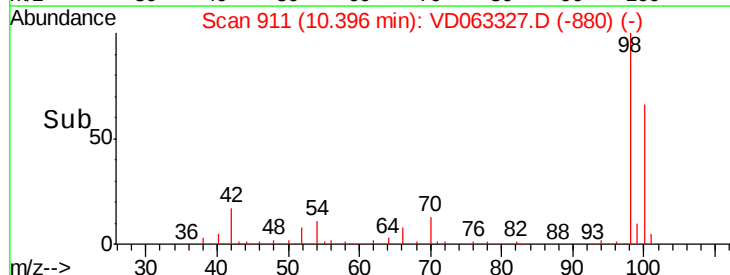
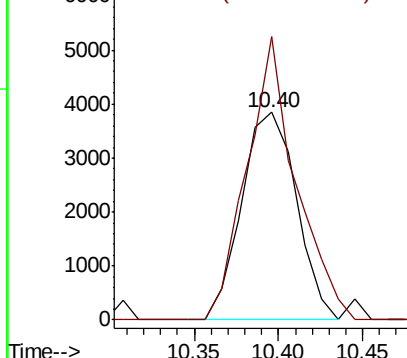


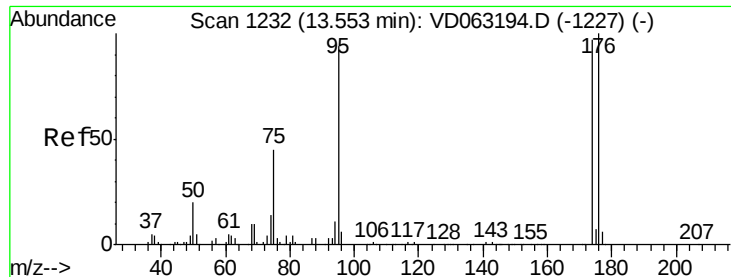
#51
4-Methyl-2-Pentanone
Concen: 1.715 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion: 43 Resp: 8704
Ion Ratio Lower Upper
43 100
58 136.5 26.2 39.2#



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

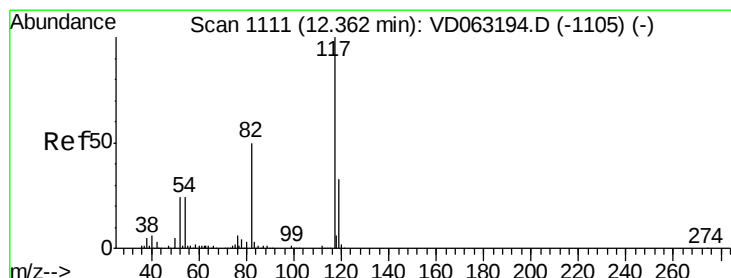
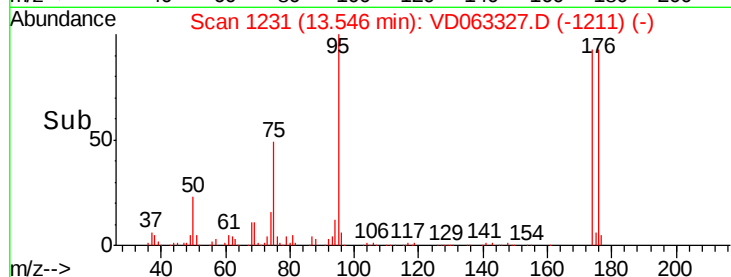
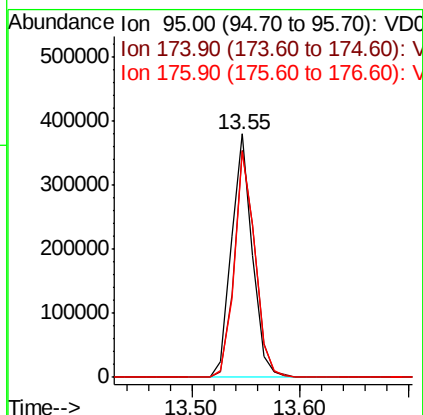
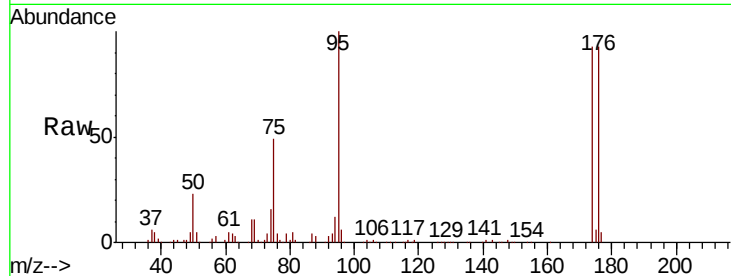




#62
4-Bromofluorobenzene
Concen: 40.925 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

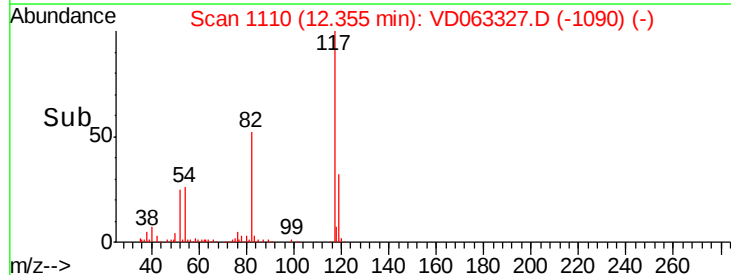
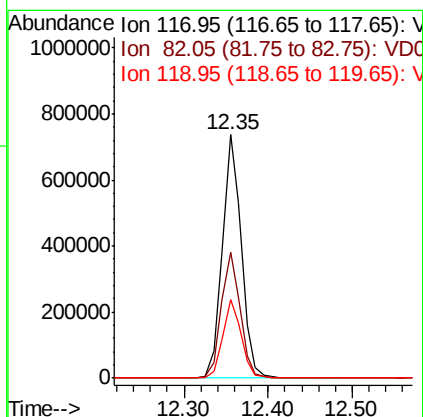
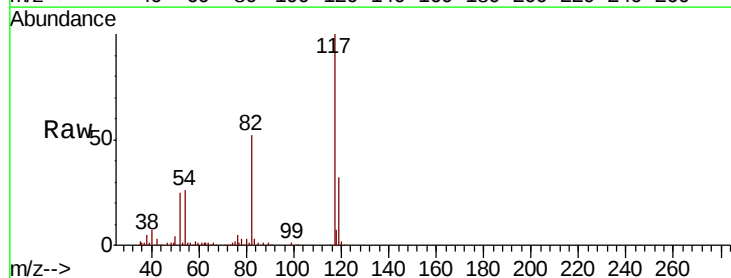
Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(30)

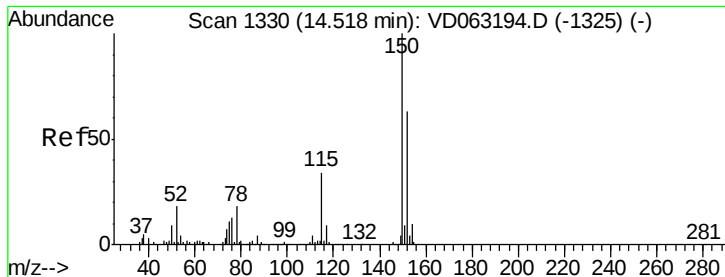
Tgt Ion: 95 Resp: 507828
Ion Ratio Lower Upper
95 100
174 93.3 0.0 205.4
176 92.5 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion: 117 Resp: 1151209
Ion Ratio Lower Upper
117 100
82 51.7 40.1 60.1
119 32.0 26.5 39.7



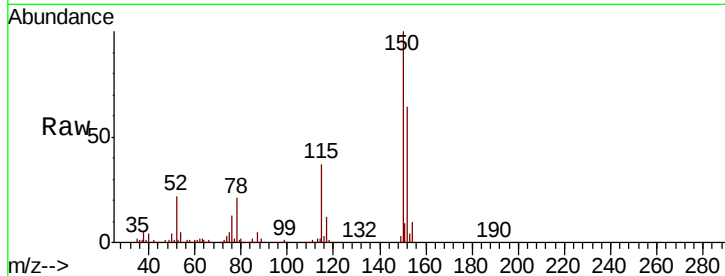


#72

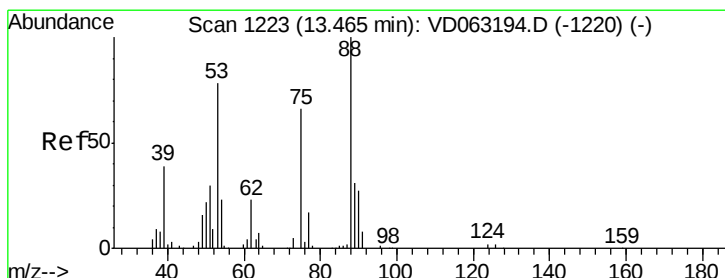
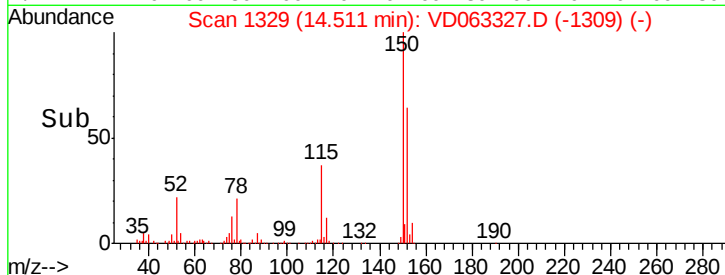
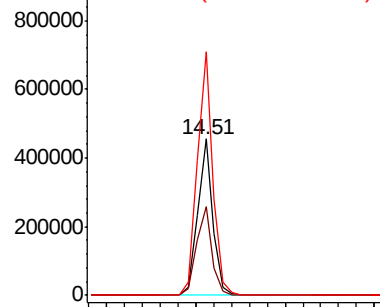
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(30)

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.0	27.5	82.4
150	155.7	0.0	320.6



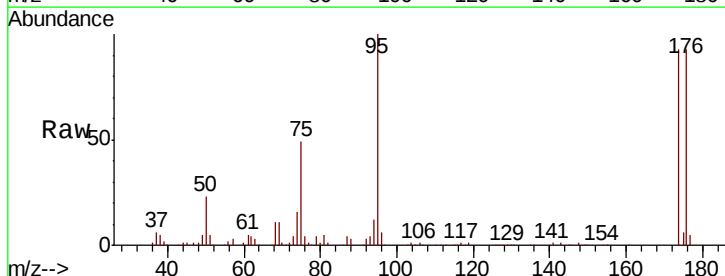
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 132.602 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063327.D
Acq: 2 Aug 2019 20:02

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	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

