

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063328.D
 Acq On : 2 Aug 2019 20:29
 Operator : VA/AP
 Sample : K4130-10
 Misc : 5.28g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F4-(30)

Quant Time: Aug 04 03:40:42 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	1031684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1396563	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1122090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	607937	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	544513	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	6.91	113	572321	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.40	98	1185740	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
62) 4-Bromofluorobenzene	13.55	95	497524	40.91	ug/l	0.00
Spiked Amount			Recovery	=	81.82%	

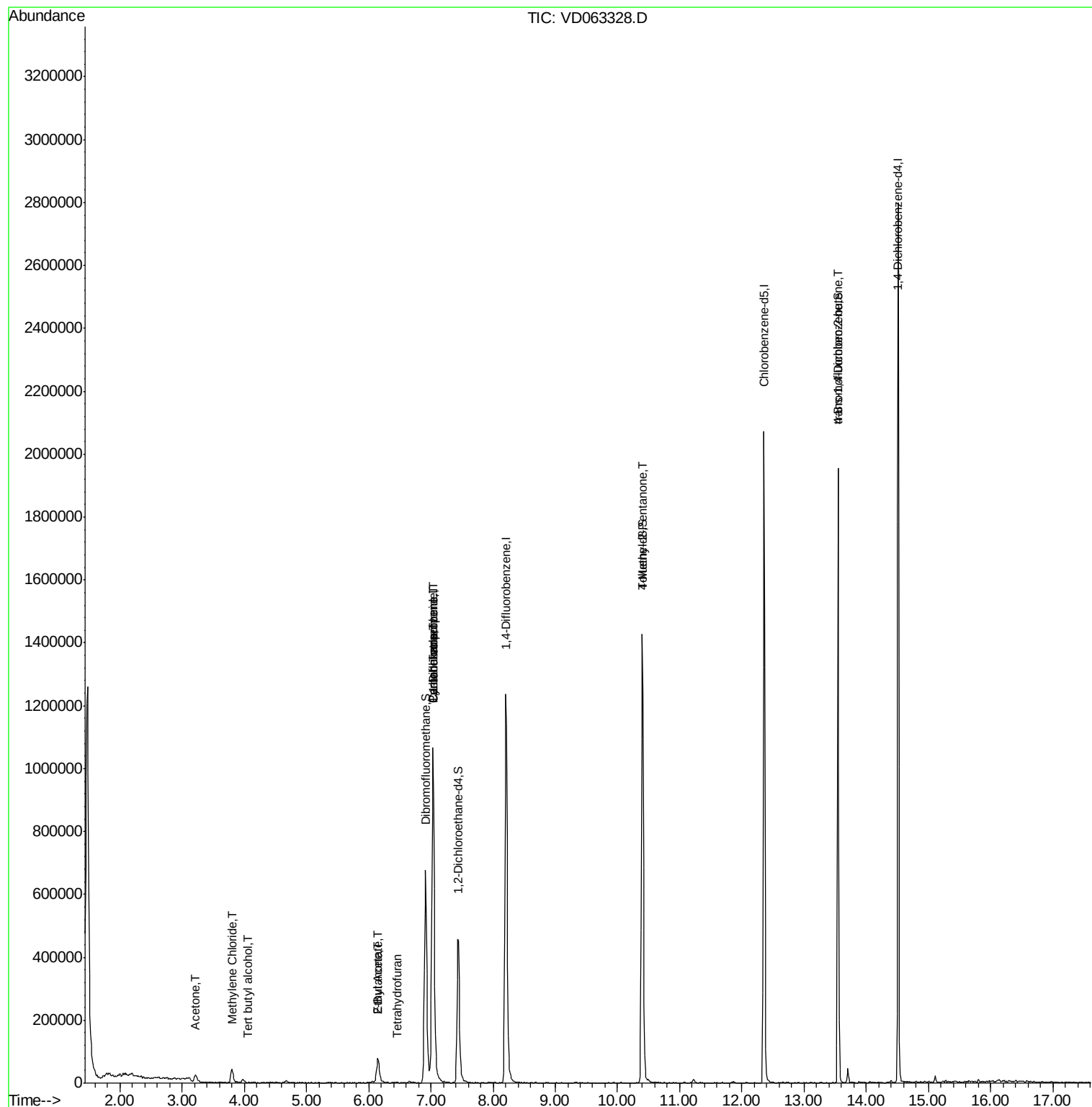
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1678	3.340	ug/l #	69
16) Acetone	3.21	43	50029	22.430	ug/l	99
20) Methylene Chloride	3.80	84	25495	2.828	ug/l #	90
25) 2-Butanone	6.14	43	6180	2.761	ug/l	98
29) Tetrahydrofuran	6.46	42	1924	1.815	ug/l #	54
31) Cyclohexane	7.03	56	23622	2.317	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	79806	6.262	ug/l #	53
37) Ethyl Acetate	6.14	43	6180	1.079	ug/l #	68
38) Carbon Tetrachloride	7.03	117	103834	5.411	ug/l #	17
51) 4-Methyl-2-Pentanone	10.40	43	6716	1.350	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	232537	114.683	ug/l #	3

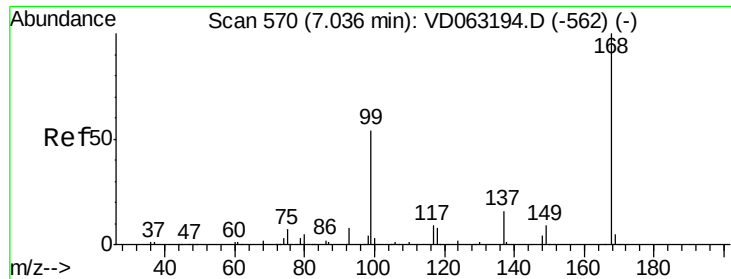
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063328.D

Acq: 2 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

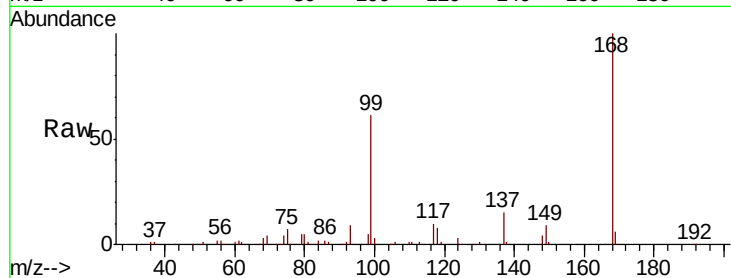
1S-F4-(30)

Tgt Ion:168 Resp: 1031684

Ion Ratio Lower Upper

168 100

99 61.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

300000

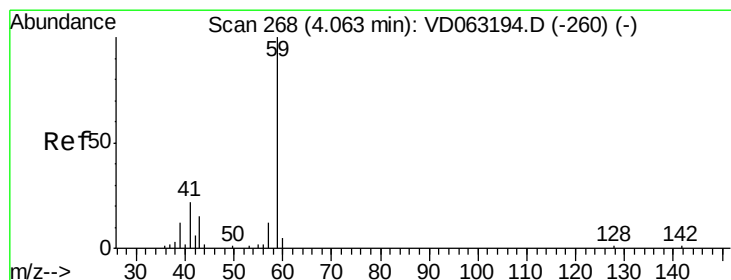
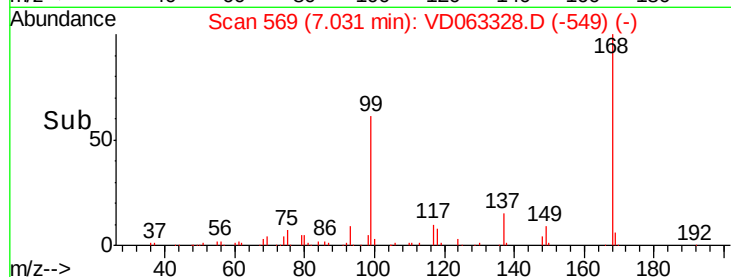
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 3.340 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063328.D

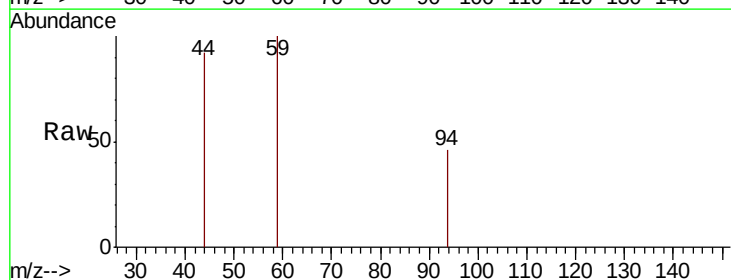
Acq: 2 Aug 2019 20:29

Tgt Ion: 59 Resp: 1678

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

4.05

800

600

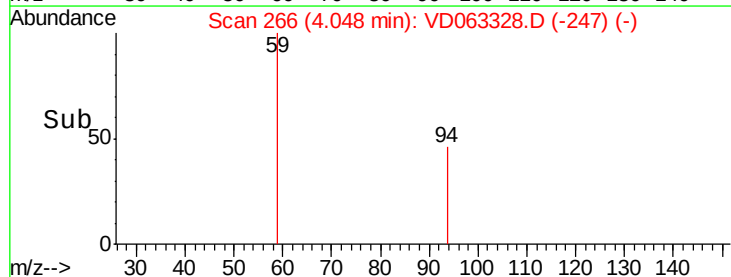
400

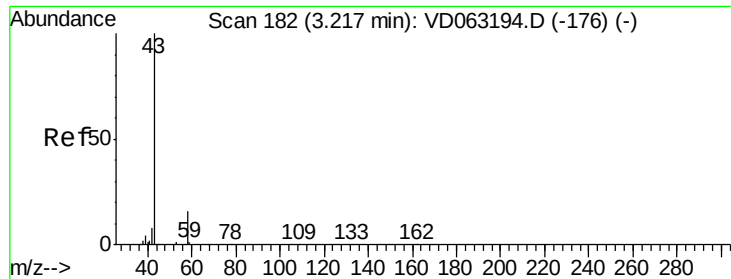
200

0

4.00 4.05 4.10 4.15

Time-->

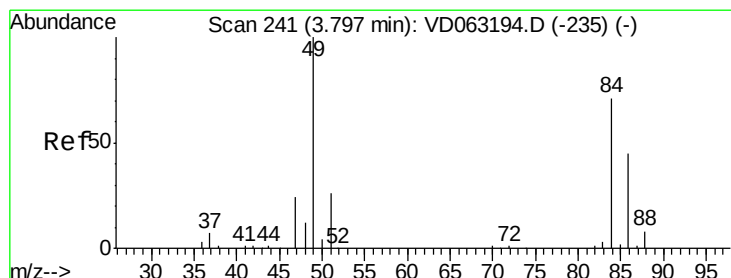
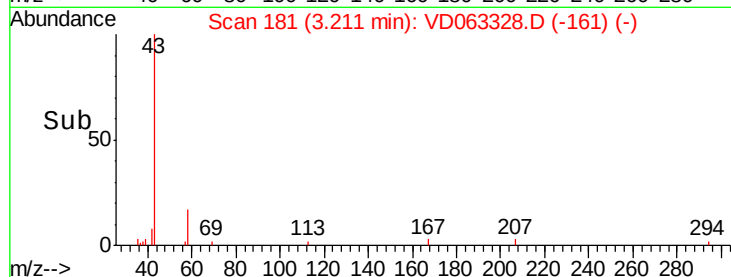
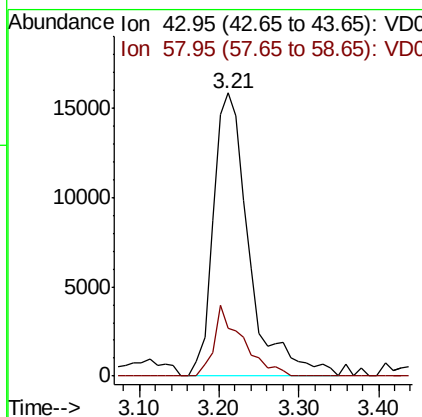
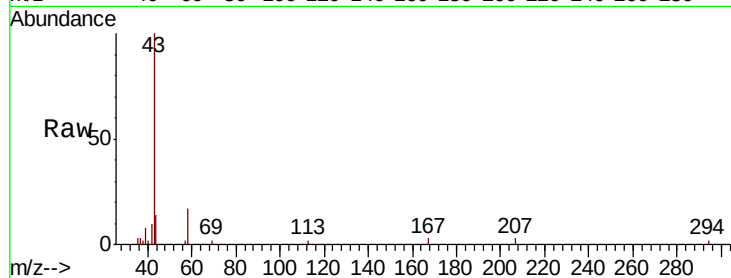




#16
Acetone
Concen: 22.430 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

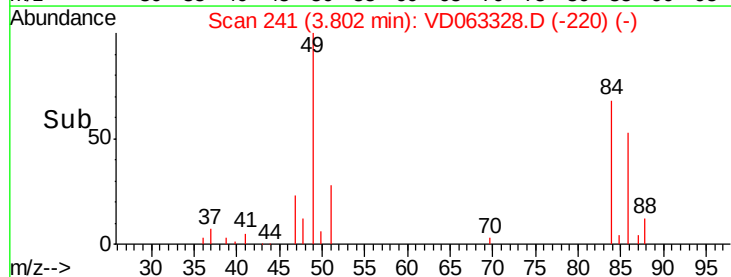
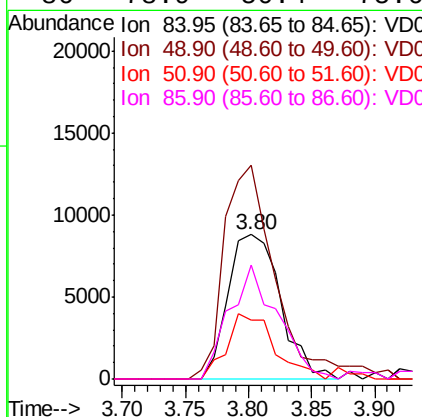
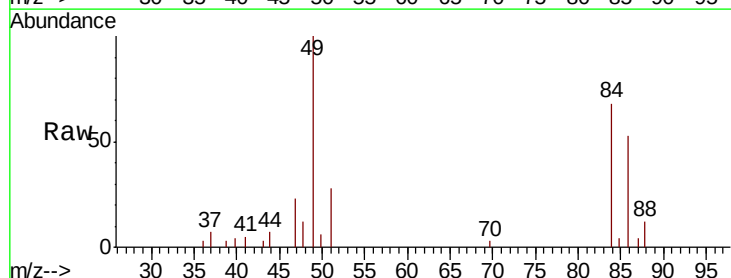
Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(30)

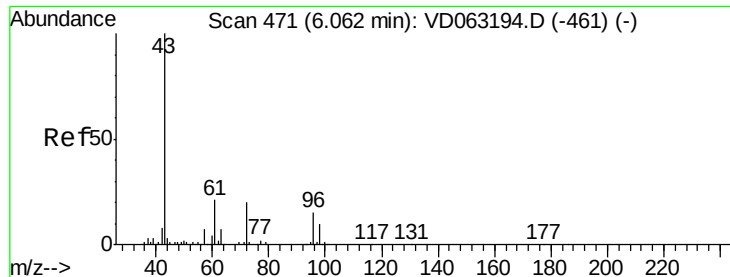
Tgt Ion: 43 Resp: 50029
Ion Ratio Lower Upper
43 100
58 16.8 13.0 19.4



#20
Methylene Chloride
Concen: 2.828 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

Tgt Ion: 84 Resp: 25495
Ion Ratio Lower Upper
84 100
49 147.8 112.5 168.7
51 41.1 29.6 44.4
86 78.9 50.4 75.6#





#25

2-Butanone

Concen: 2.761 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD063328.D

Acq: 2 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

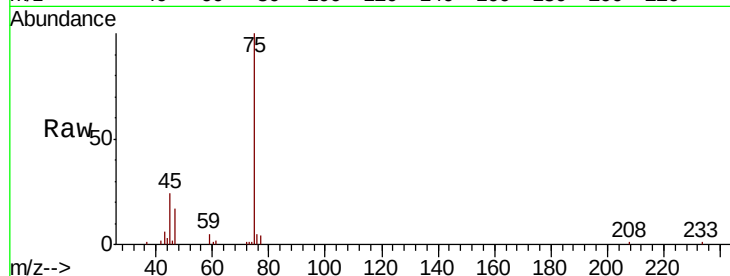
1S-F4-(30)

Tgt Ion: 43 Resp: 6180

Ion Ratio Lower Upper

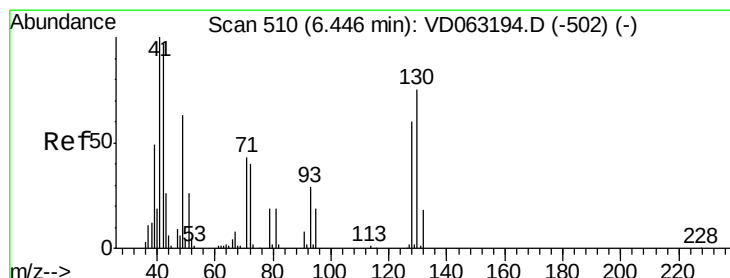
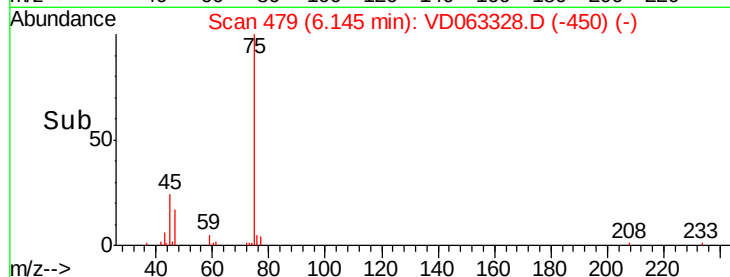
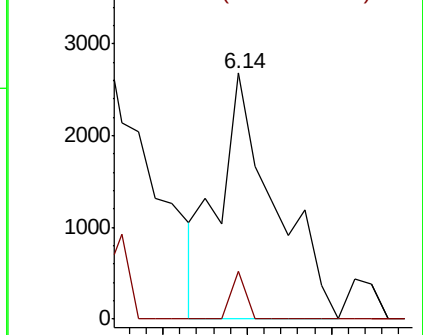
43 100

72 19.4 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: 1.815 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063328.D

Acq: 2 Aug 2019 20:29

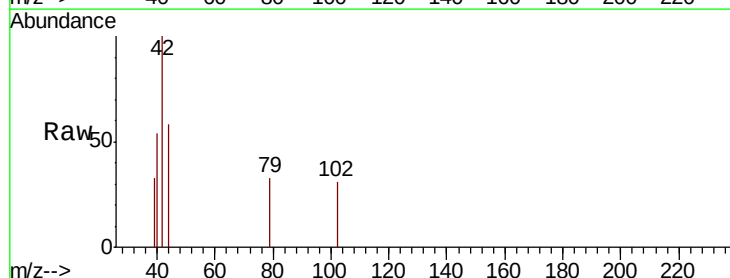
Tgt Ion: 42 Resp: 1924

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

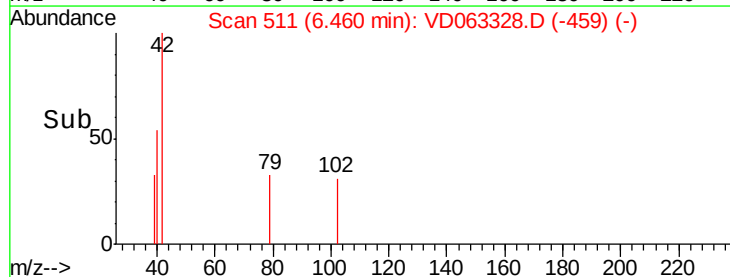
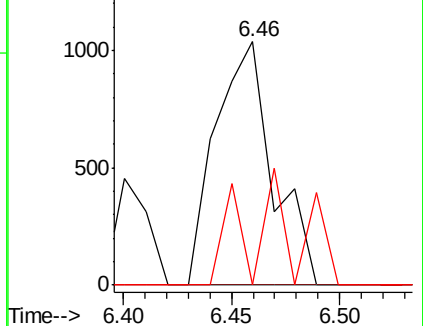
71 27.3 35.7 53.5#

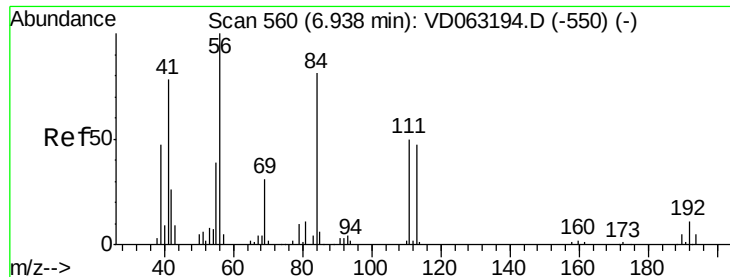


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

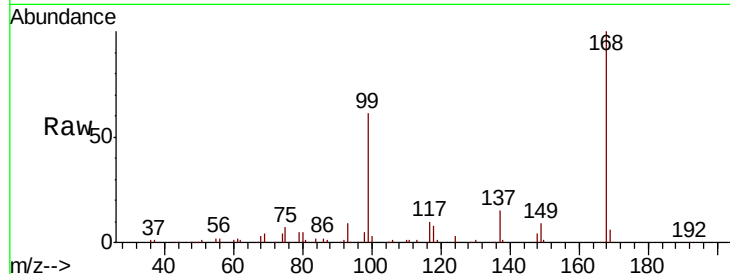




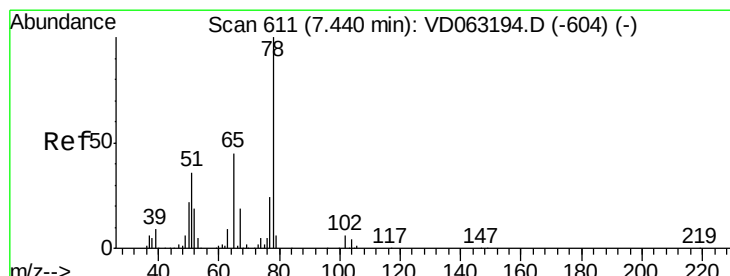
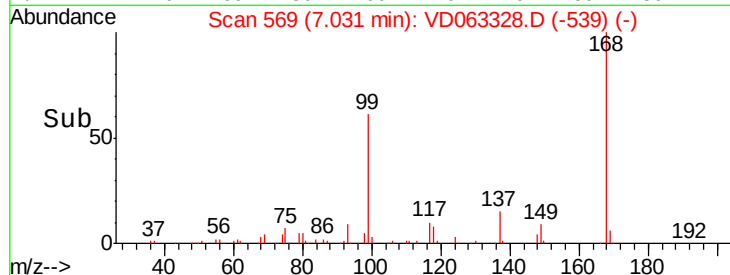
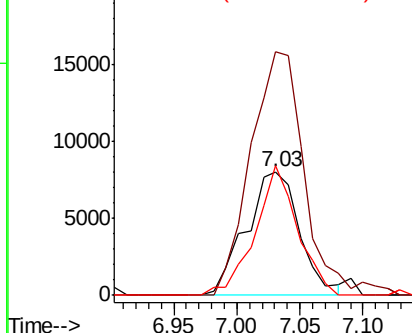
#31
Cyclohexane
Concen: 2.317 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(30)

Tgt Ion: 56 Resp: 23622
Ion Ratio Lower Upper
56 100
69 197.2 24.5 36.7#
84 104.7 64.9 97.3#

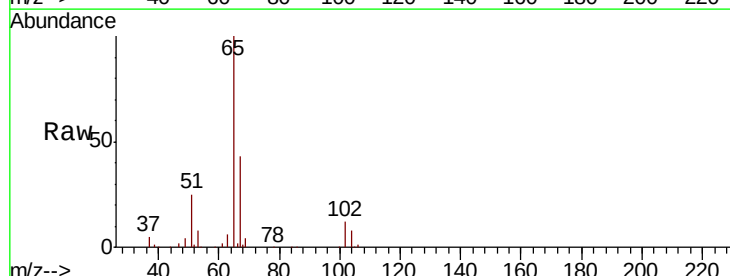


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

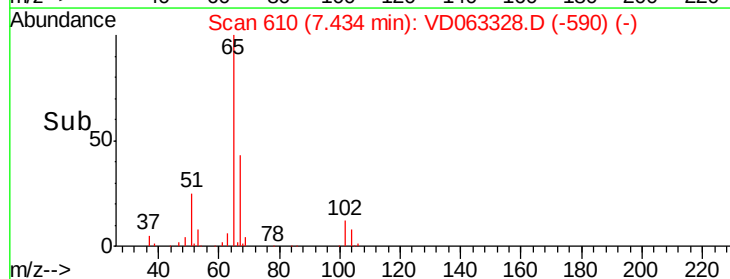
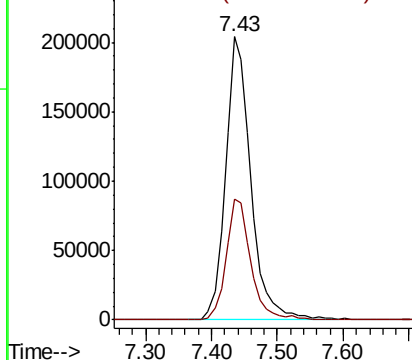


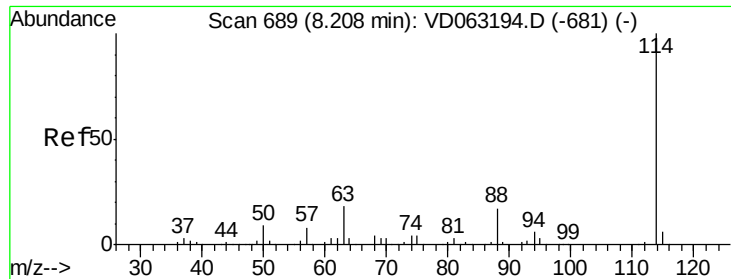
#33
1,2-Dichloroethane-d4
Concen: 47.566 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

Tgt Ion: 65 Resp: 544513
Ion Ratio Lower Upper
65 100
67 42.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

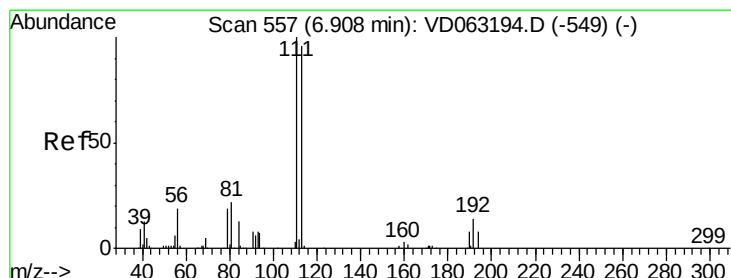
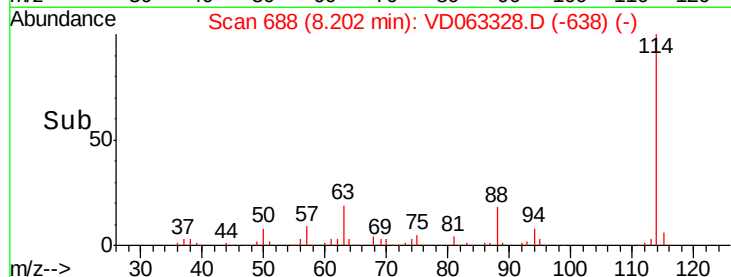
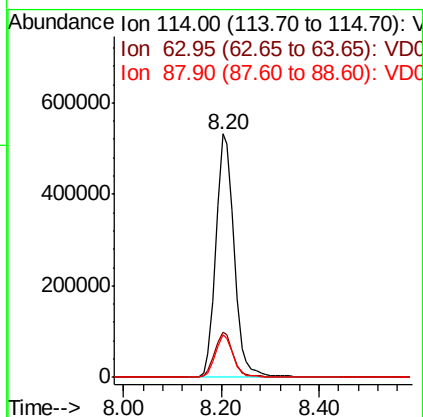
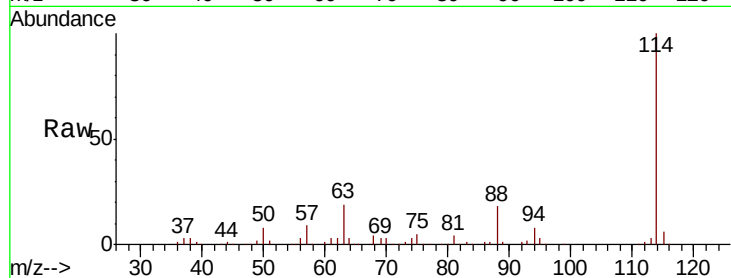




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

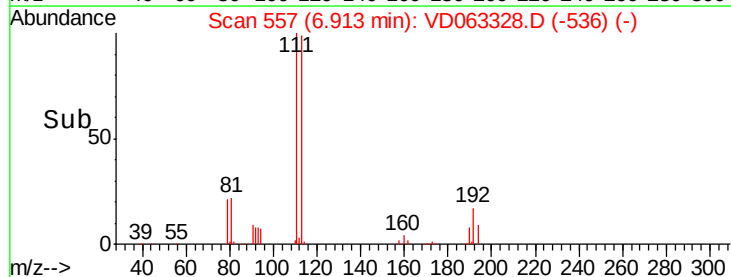
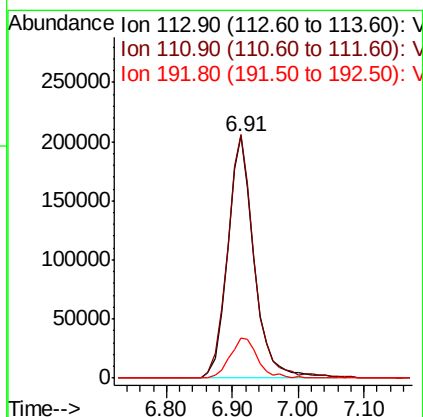
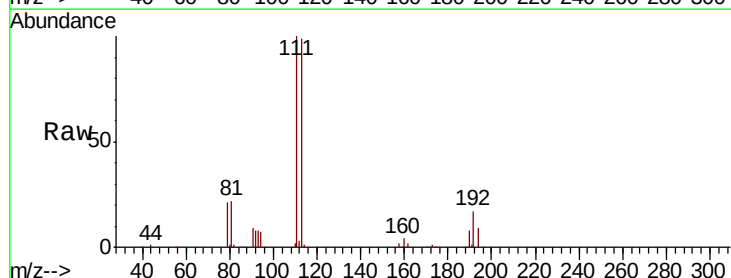
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F4-(30)

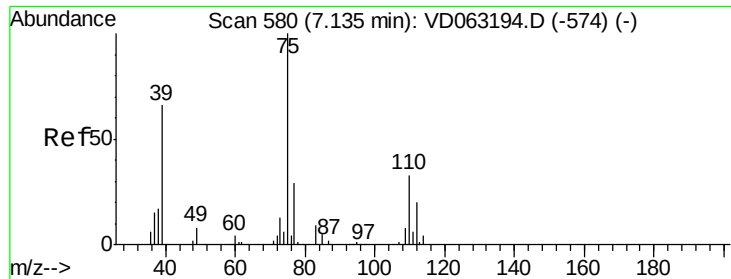
Tgt Ion:114 Resp: 1396563
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.2
 88 17.7 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 47.999 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

Tgt Ion:113 Resp: 572321
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.2 124.8
 192 16.7 11.8 17.8

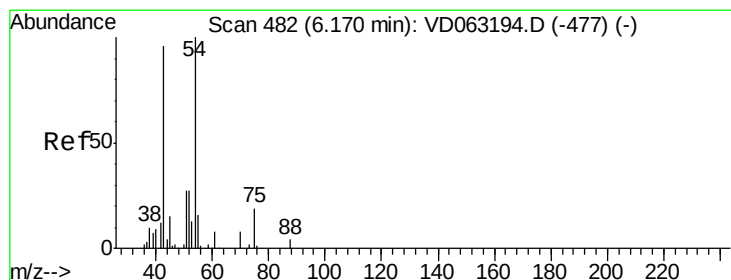
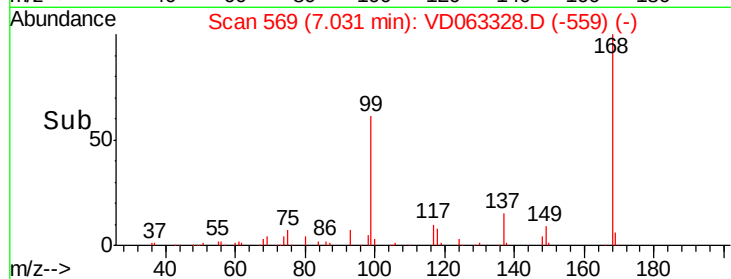
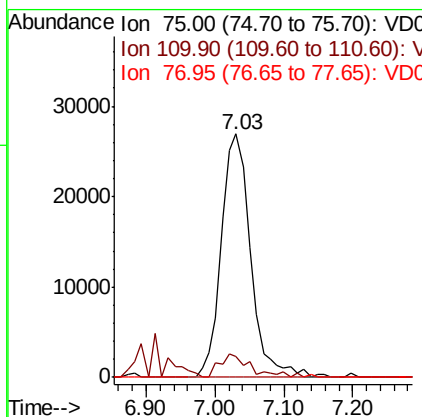
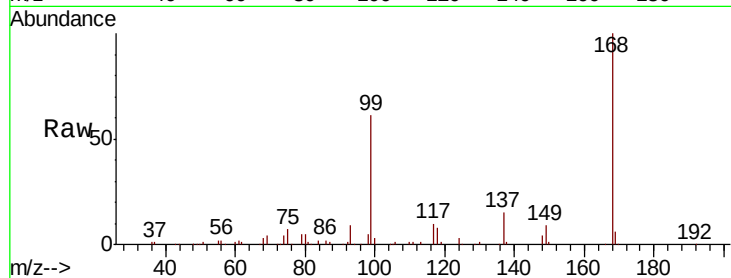




#36
 1,1-Dichloropropene
 Concen: 6.262 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

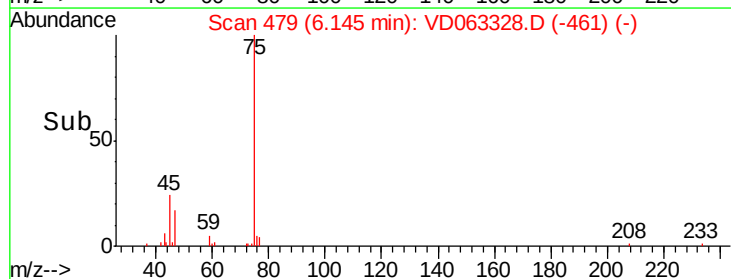
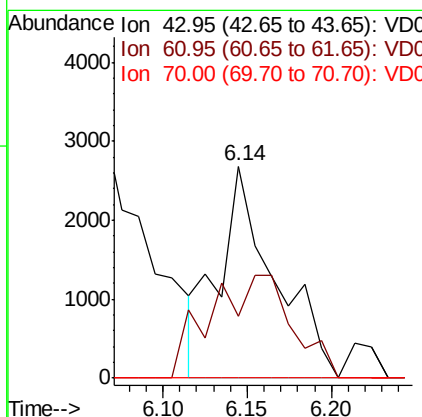
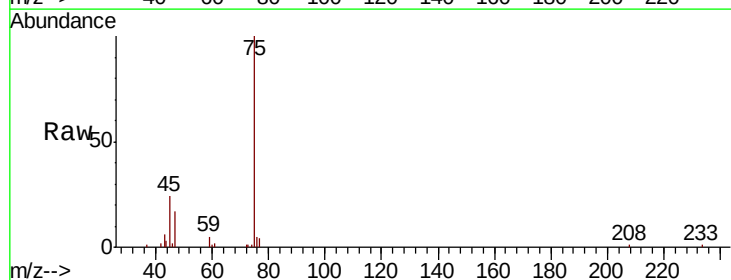
Instrument :
 MSVOA_D
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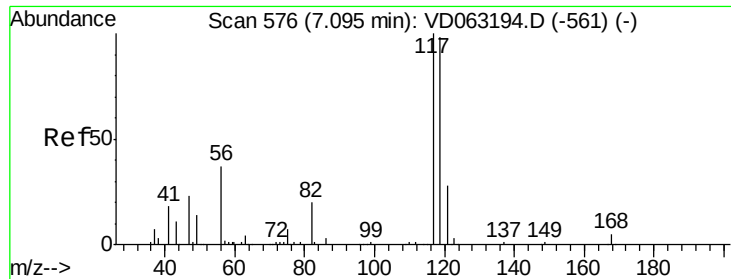
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 1.079 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.4	11.3	16.9#
70	0.0	5.1	7.7#





#38

Carbon Tetrachloride

Concen: 5.411 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063328.D

Acq: 2 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(30)

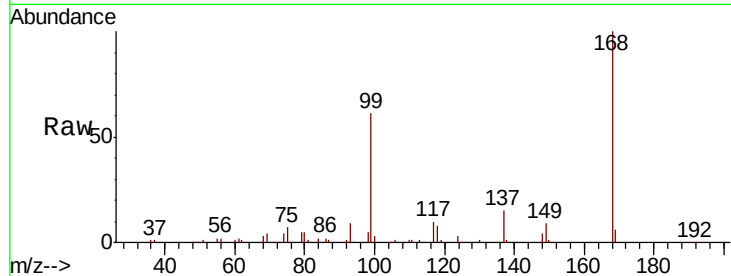
Tgt Ion:117 Resp: 103834

Ion Ratio Lower Upper

117 100

119 7.3 78.2 117.2#

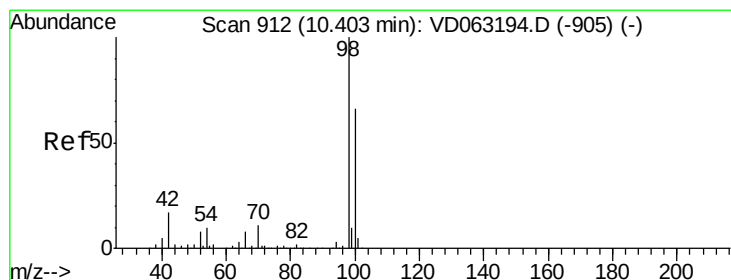
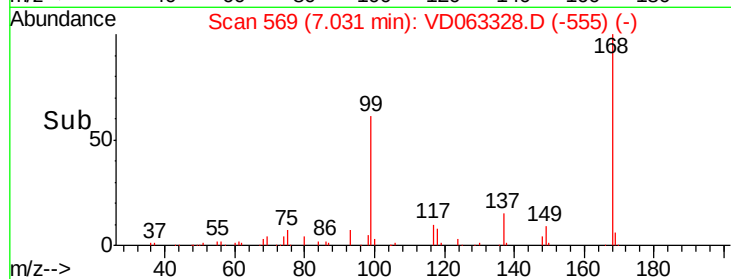
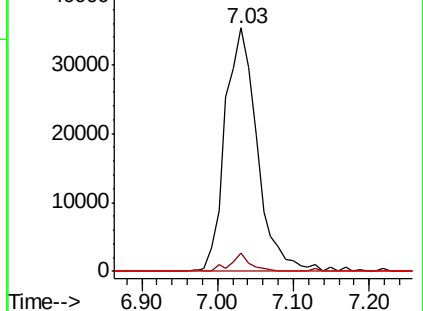
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 44.435 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063328.D

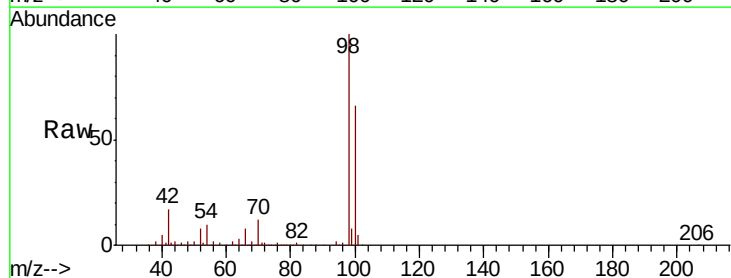
Acq: 2 Aug 2019 20:29

Tgt Ion: 98 Resp: 1185740

Ion Ratio Lower Upper

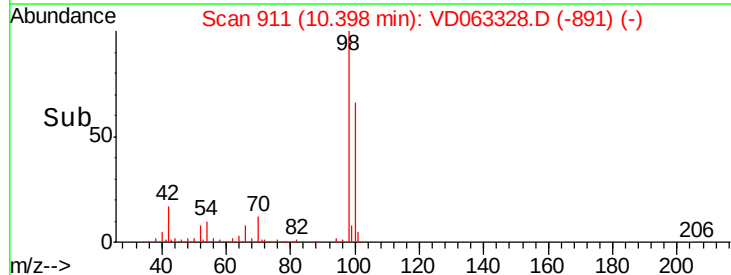
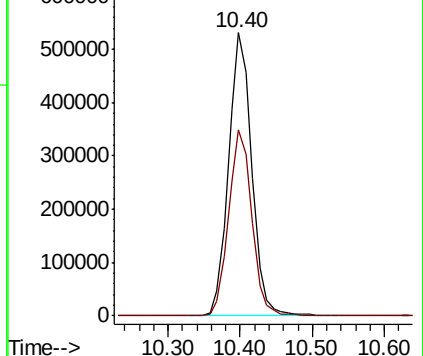
98 100

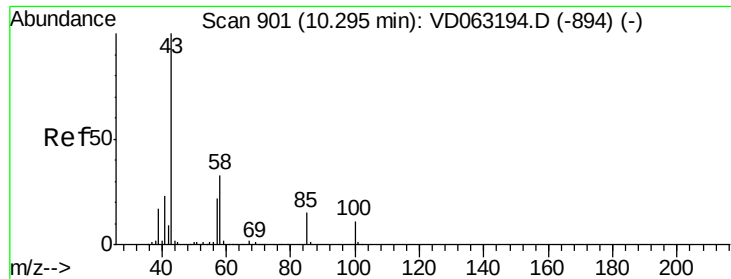
100 65.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

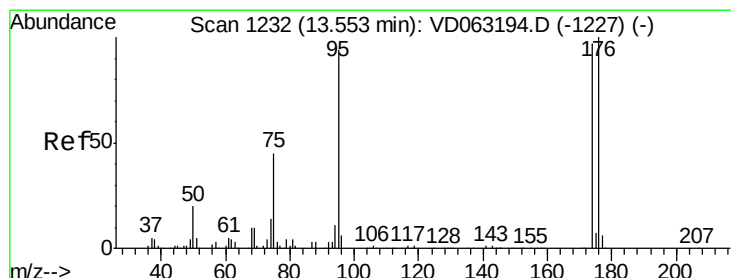
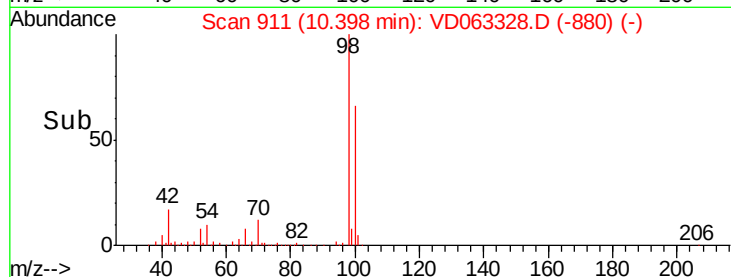
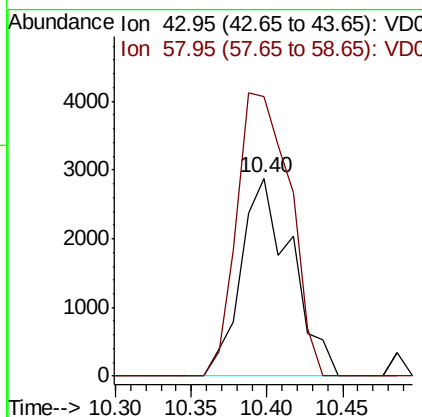
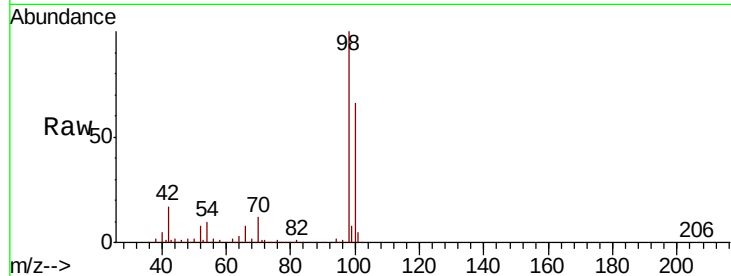




#51
 4-Methyl-2-Pentanone
 Concen: 1.350 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. 0.10 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

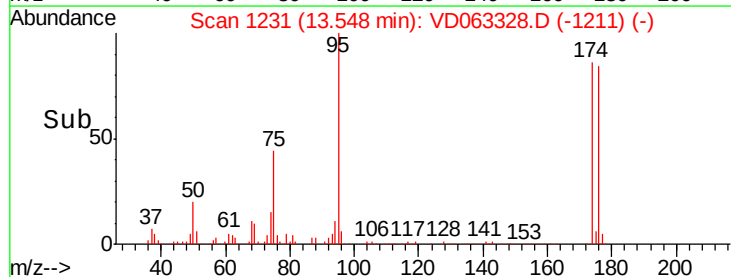
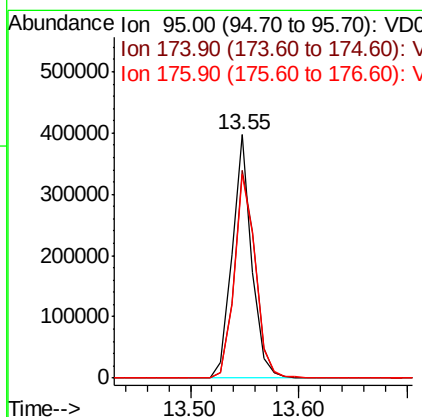
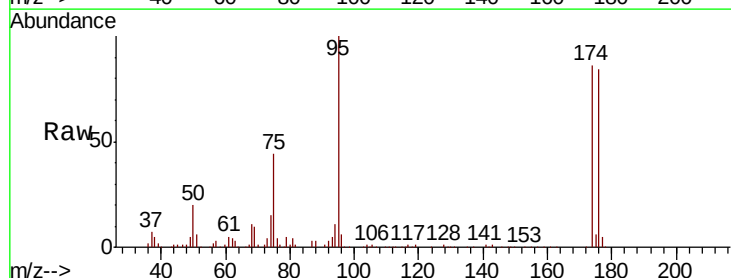
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F4-(30)

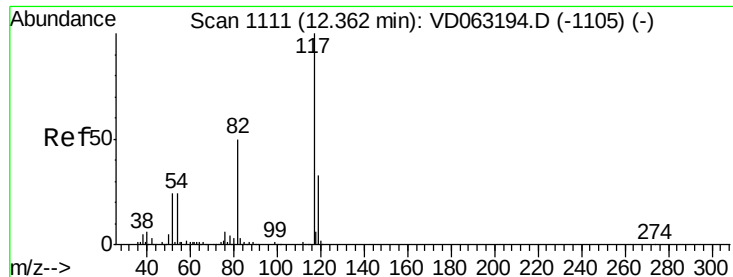
Tgt Ion: 43 Resp: 6716
 Ion Ratio Lower Upper
 43 100
 58 141.0 26.2 39.2#



#62
 4-Bromofluorobenzene
 Concen: 40.914 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063328.D
 Acq: 2 Aug 2019 20:29

Tgt Ion: 95 Resp: 497524
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 205.4
 176 83.6 0.0 211.8

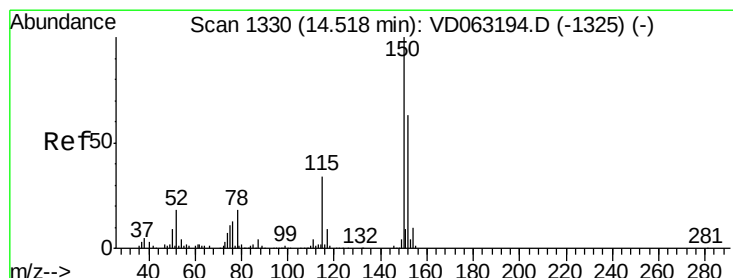
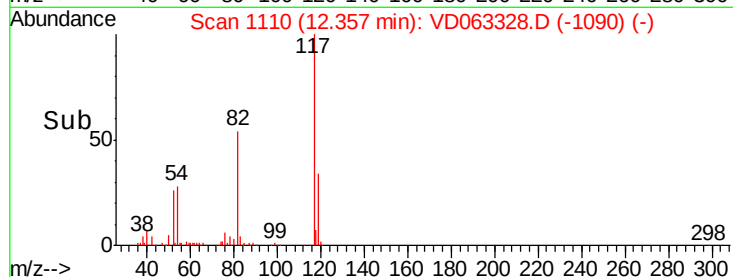
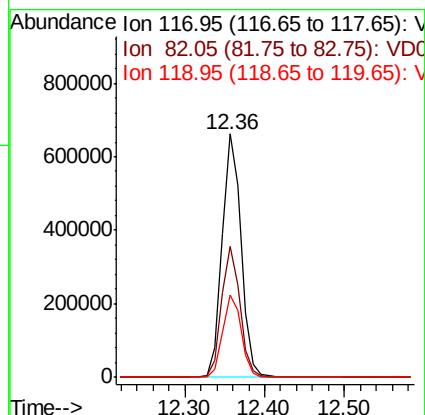
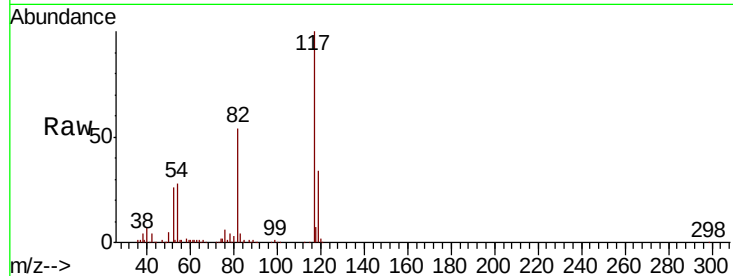




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

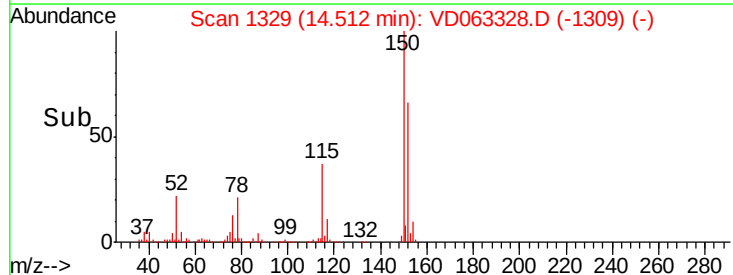
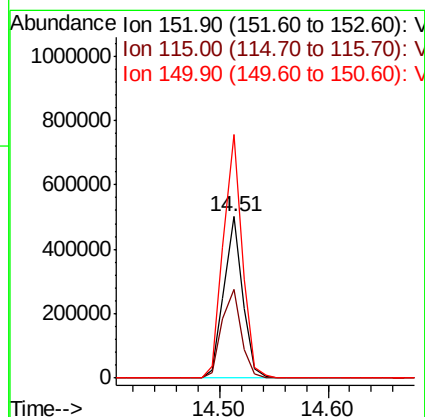
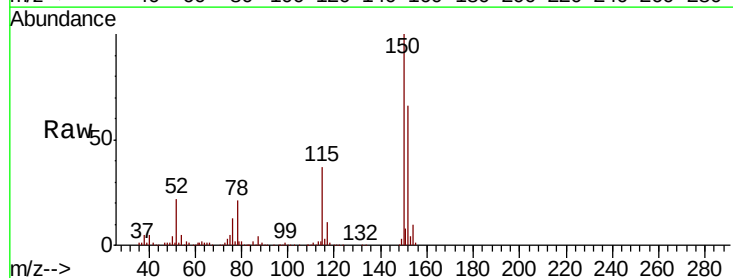
Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(30)

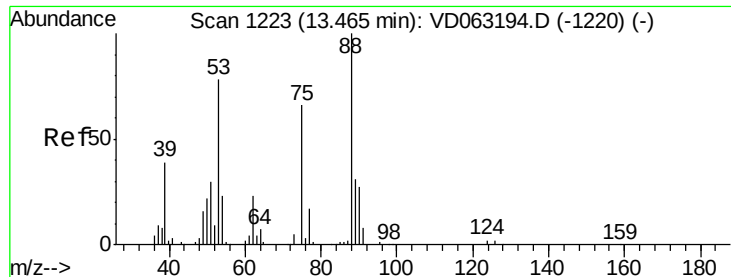
Tgt Ion:117 Resp: 1122090
Ion Ratio Lower Upper
117 100
82 53.6 40.1 60.1
119 34.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063328.D
Acq: 2 Aug 2019 20:29

Tgt Ion:152 Resp: 607937
Ion Ratio Lower Upper
152 100
115 55.3 27.5 82.4
150 150.8 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 114.683 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063328.D

Acq: 2 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(30)

Tgt Ion: 75 Resp: 232537

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

