

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063321.D
 Acq On : 2 Aug 2019 17:17
 Operator : VA/AP
 Sample : K4130-02
 Misc : 5.74g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F1-(0-1)

Quant Time: Aug 04 03:39:25 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	7.02	168	1159327	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1557361	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1314196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	609055	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	546827	42.51	ug/l	0.00
Spiked Amount			Recovery	=	85.02%	
35) Dibromofluoromethane	6.90	113	592010	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
50) Toluene-d8	10.40	98	1323699	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	13.55	95	524847	38.70	ug/l	0.00
Spiked Amount			Recovery	=	77.40%	

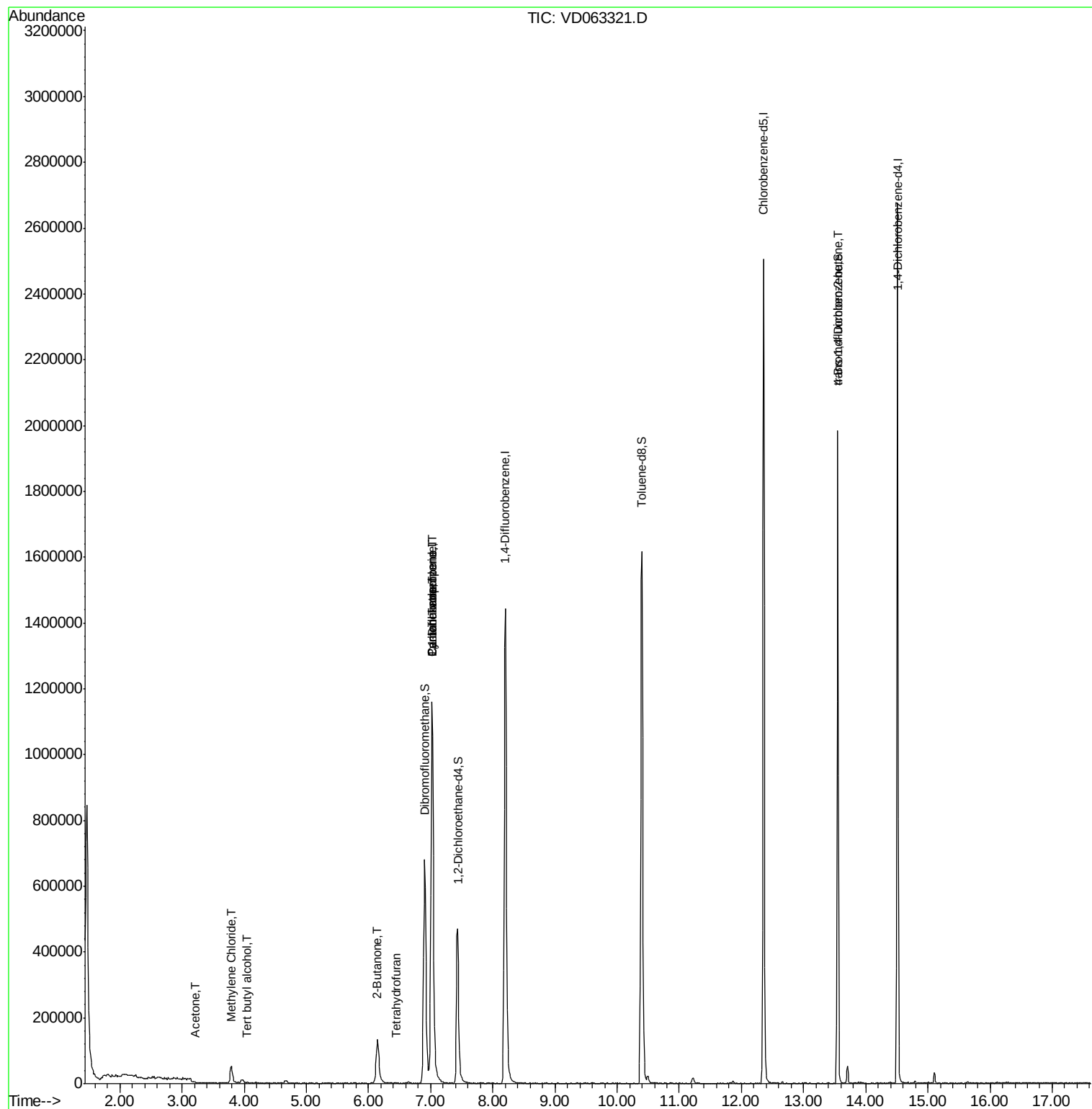
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	826	1.463	ug/l #	69
16) Acetone	3.21	43	4302	1.716	ug/l #	62
20) Methylene Chloride	3.78	84	30741	3.034	ug/l	88
25) 2-Butanone	6.13	43	10180	4.047	ug/l #	56
29) Tetrahydrofuran	6.44	42	1526	1.281	ug/l #	33
31) Cyclohexane	7.02	56	24888	2.172	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	83075	5.845	ug/l #	53
38) Carbon Tetrachloride	7.02	117	111837	5.227	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	242715	119.483	ug/l #	3

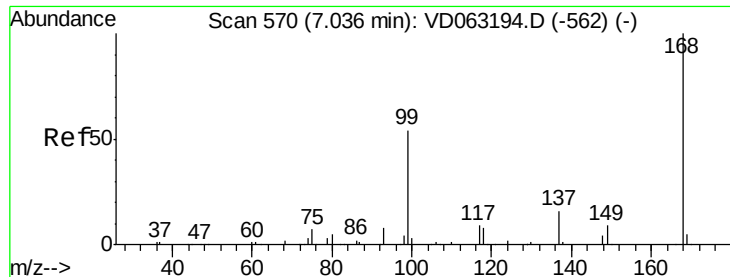
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD063321.D

Acq: 2 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

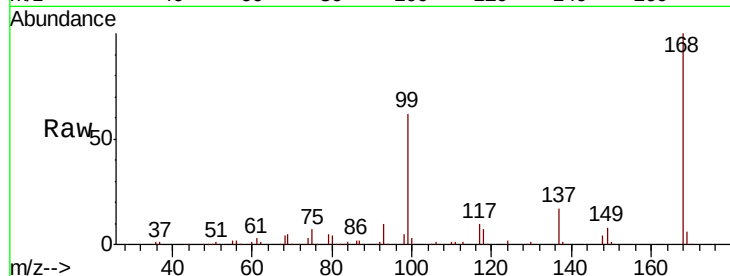
1S-F1-(0-1)

Tgt Ion:168 Resp: 1159327

Ion Ratio Lower Upper

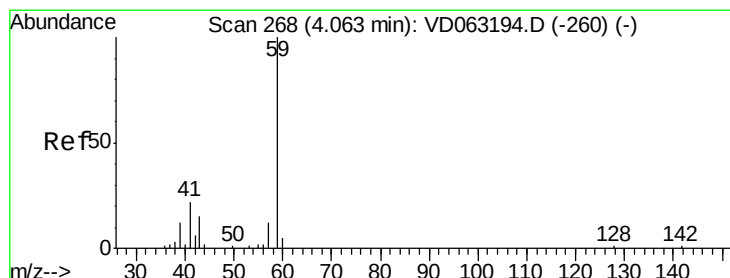
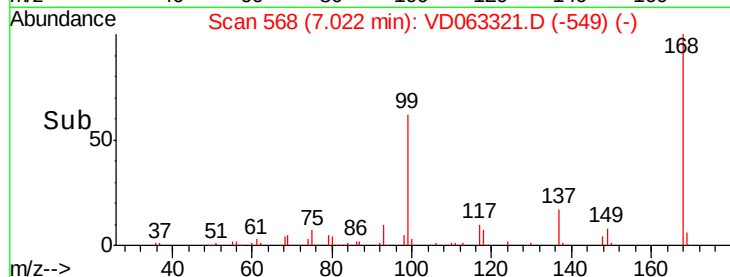
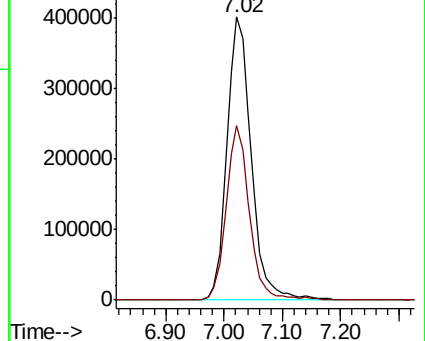
168 100

99 61.6 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: 1.463 ug/l

RT: 4.04 min Scan# 265

Delta R.T. -0.02 min

Lab File: VD063321.D

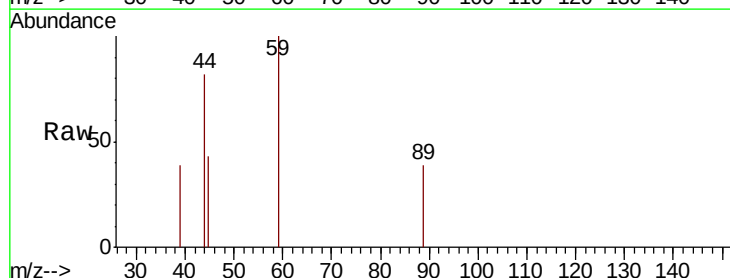
Acq: 2 Aug 2019 17:17

Tgt Ion: 59 Resp: 826

Ion Ratio Lower Upper

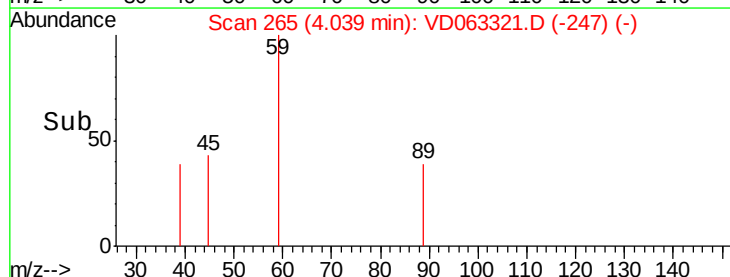
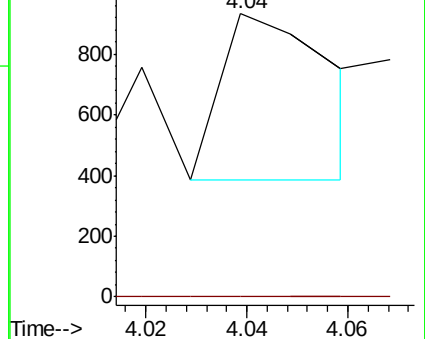
59 100

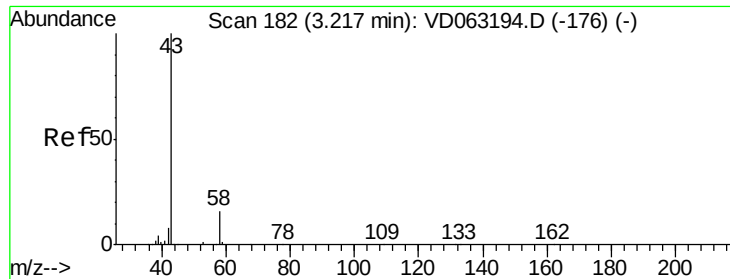
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.716 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063321.D

Acq: 2 Aug 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

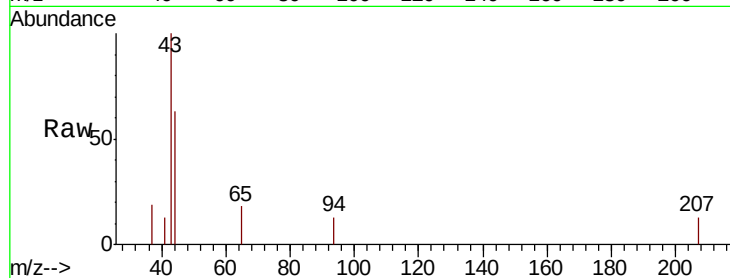
1S-F1-(0-1)

Tgt Ion: 43 Resp: 4302

Ion Ratio Lower Upper

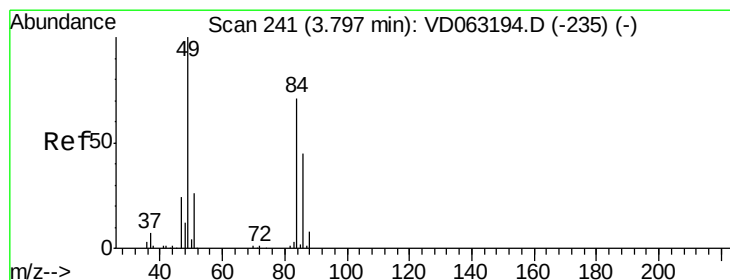
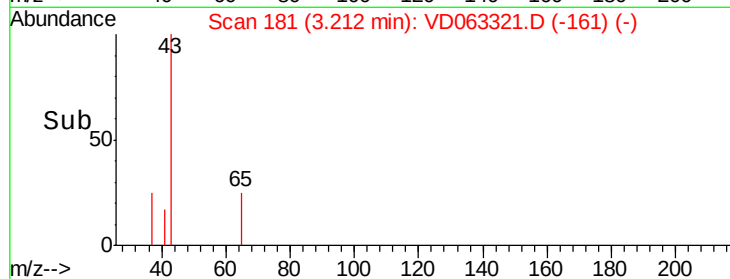
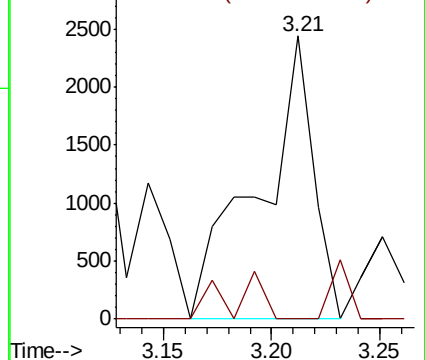
43 100

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: 3.034 ug/l

RT: 3.78 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD063321.D

Acq: 2 Aug 2019 17:17

Tgt Ion: 84 Resp: 30741

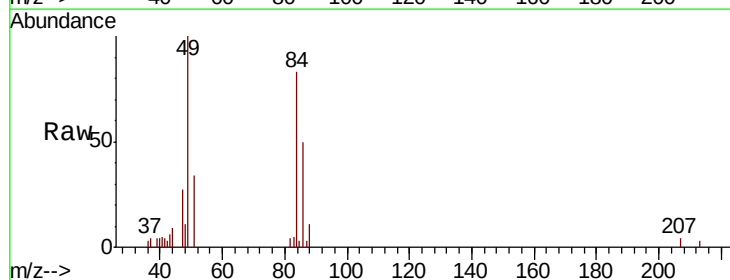
Ion Ratio Lower Upper

84 100

49 119.9 112.5 168.7

51 41.1 29.6 44.4

86 60.0 50.4 75.6

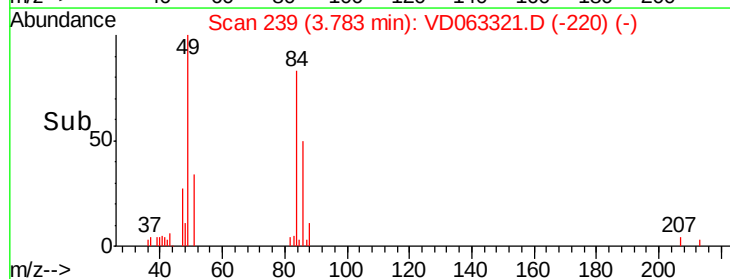
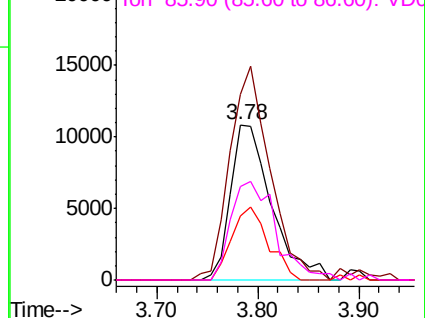


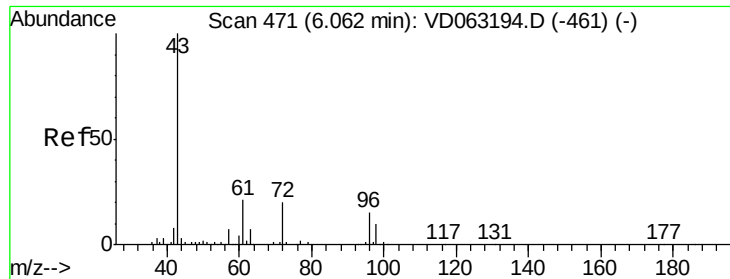
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

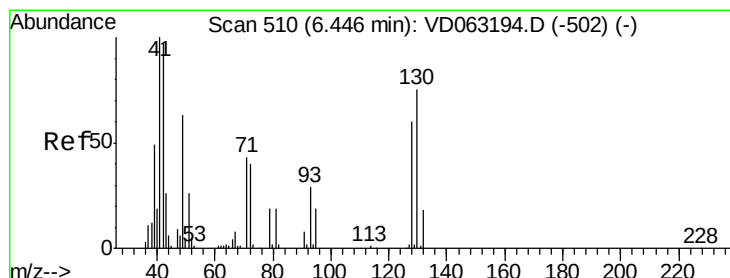
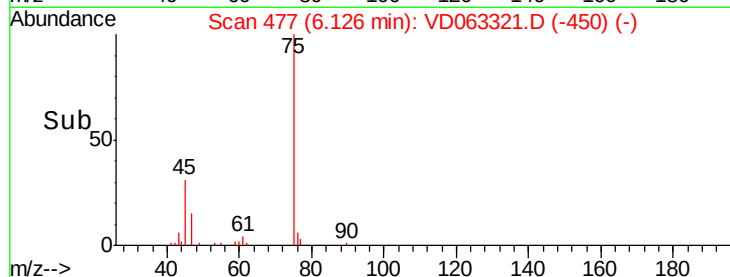
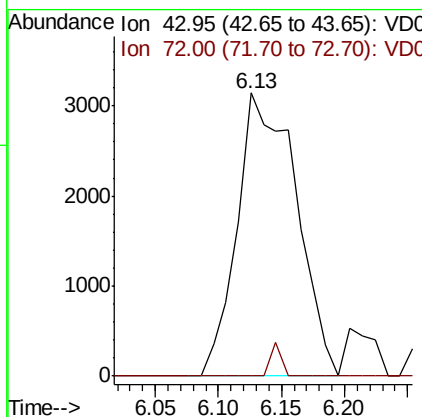
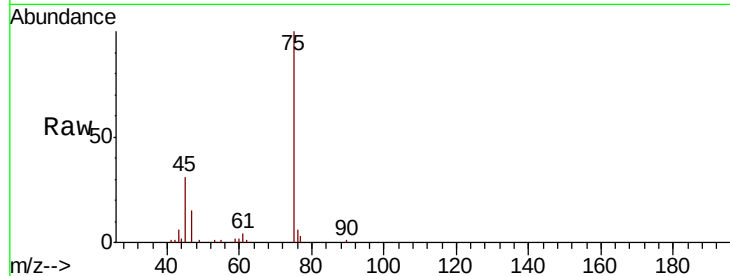




#25
2-Butanone
Concen: 4.047 ug/l
RT: 6.13 min Scan# 477
Delta R.T. 0.06 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

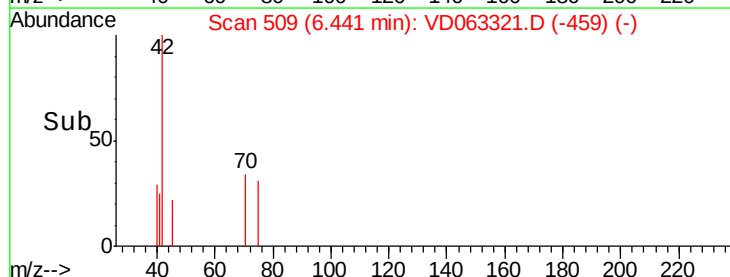
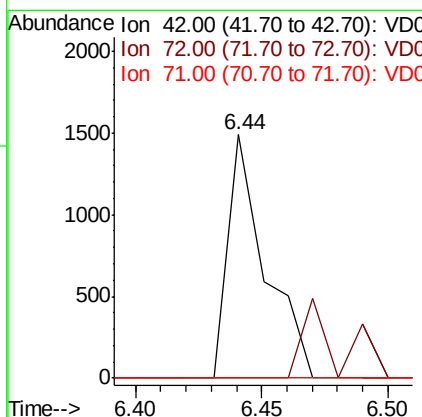
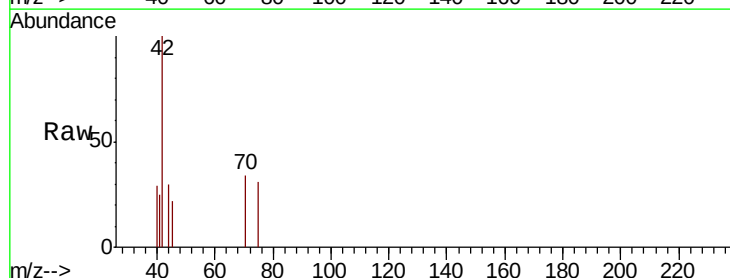
Instrument :
MSVOA_D
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1S-F1-(0-1)

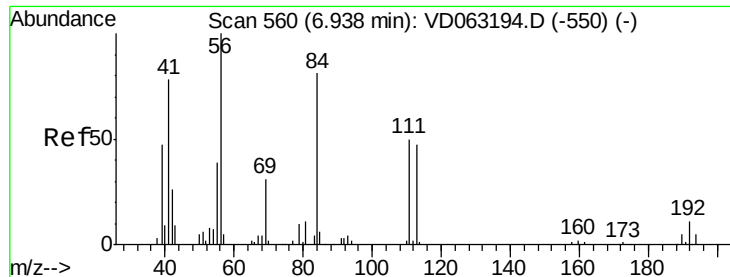
Tgt Ion: 43 Resp: 10180
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#29
Tetrahydrofuran
Concen: 1.281 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

Tgt Ion: 42 Resp: 1526
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#

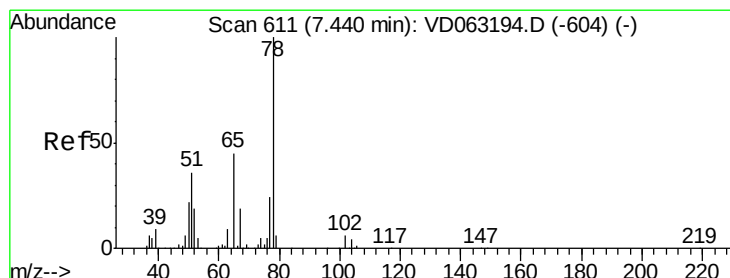
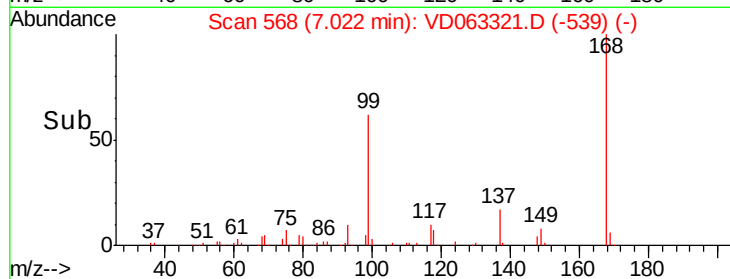
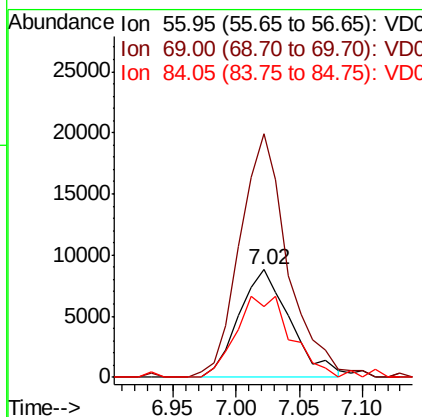
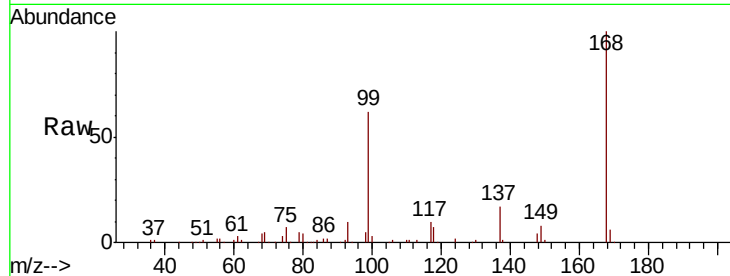




#31
Cyclohexane
Concen: 2.172 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

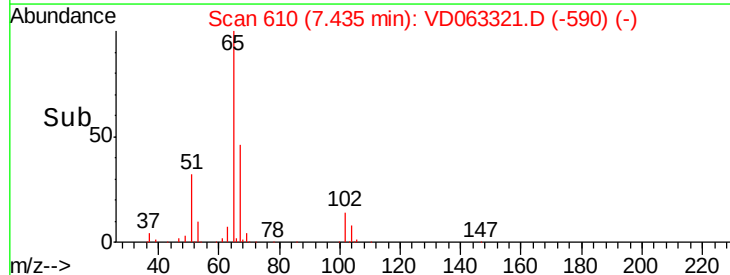
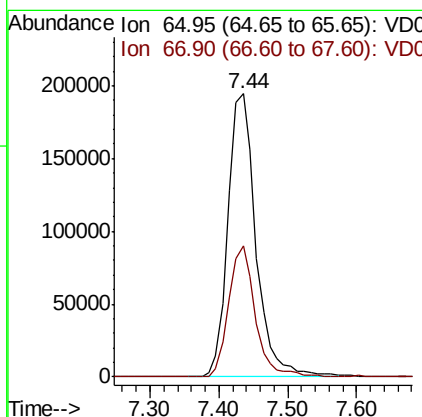
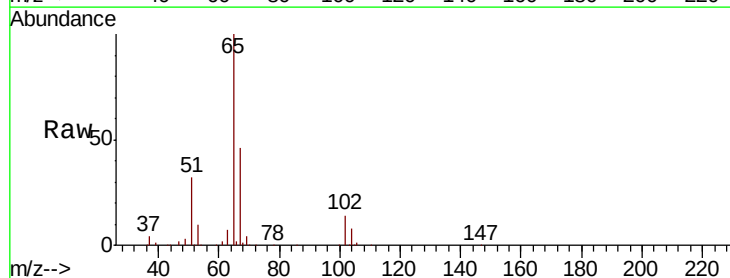
Instrument :
MSVOA_D
ClientSampleId :
1S-F1-(0-1)

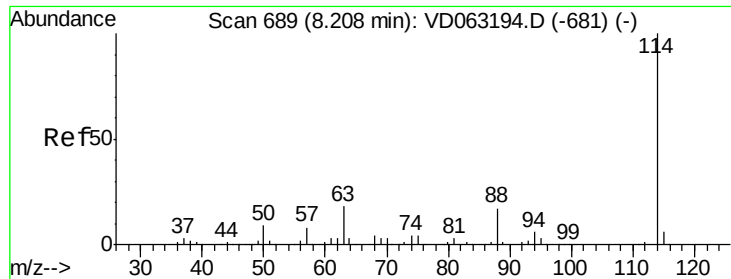
Tgt Ion: 56 Resp: 24888
Ion Ratio Lower Upper
56 100
69 226.8 24.5 36.7#
84 65.4 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 42.509 ug/l
RT: 7.44 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

Tgt Ion: 65 Resp: 546827
Ion Ratio Lower Upper
65 100
67 46.5 0.0 85.8

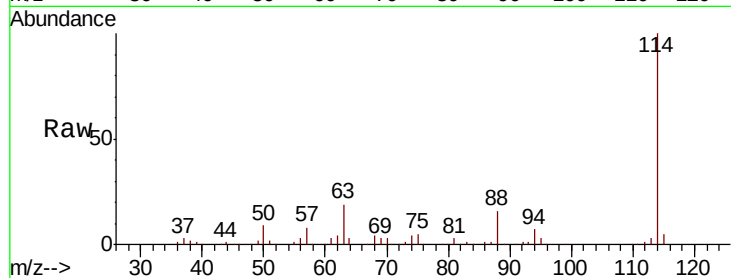




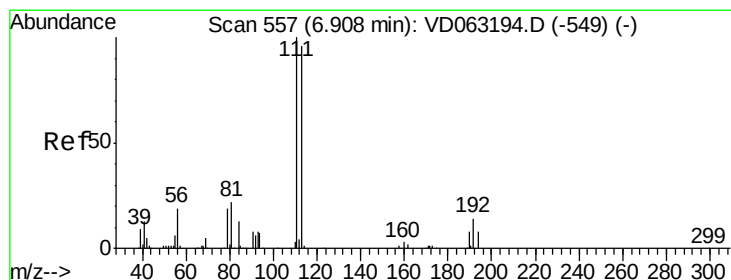
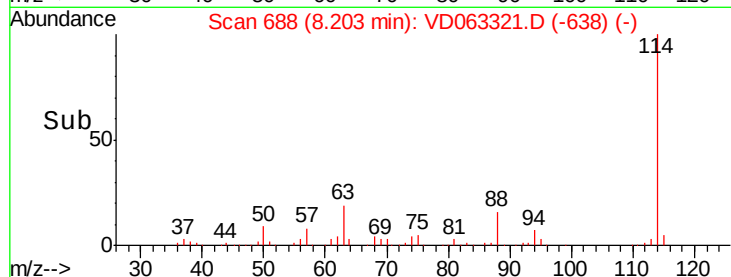
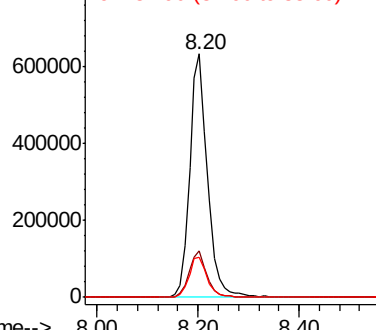
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VD063321.D
 Acq: 2 Aug 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F1-(0-1)

Tgt Ion:114 Resp: 1557361
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 16.5 0.0 34.6

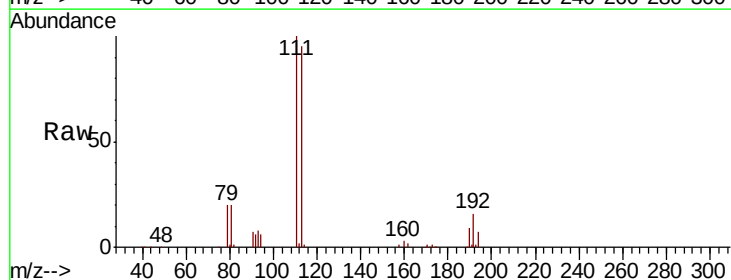


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

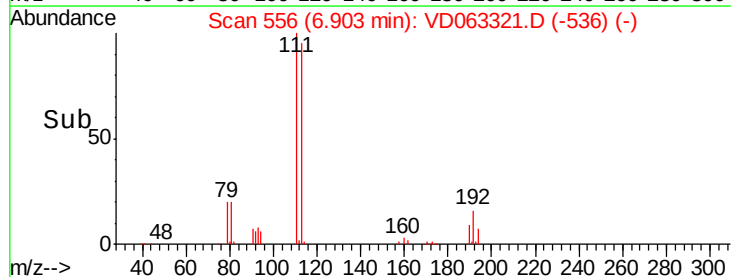
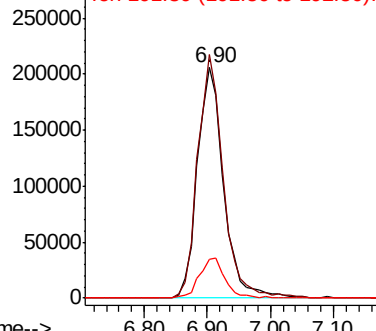


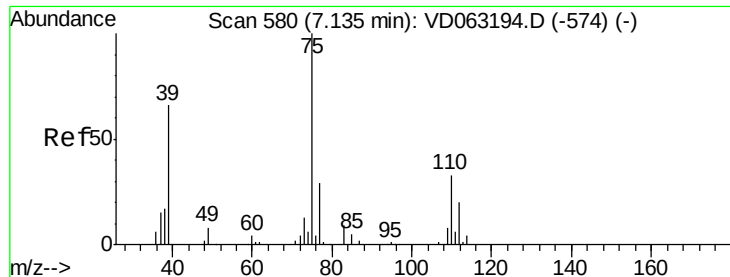
#35
 Dibromofluoromethane
 Concen: 44.524 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD063321.D
 Acq: 2 Aug 2019 17:17

Tgt Ion:113 Resp: 592010
 Ion Ratio Lower Upper
 113 100
 111 105.7 83.2 124.8
 192 16.6 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

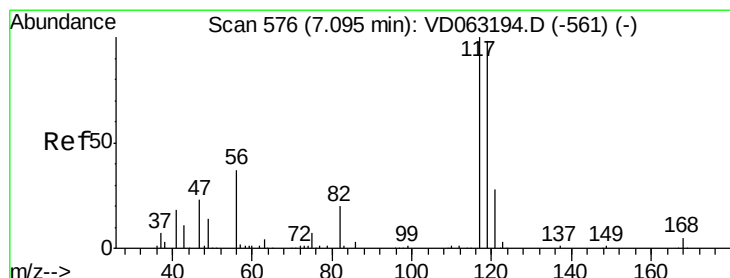
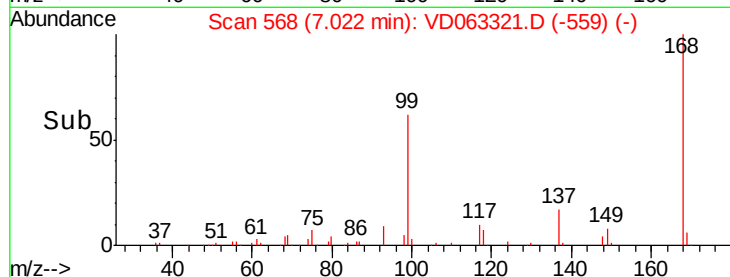
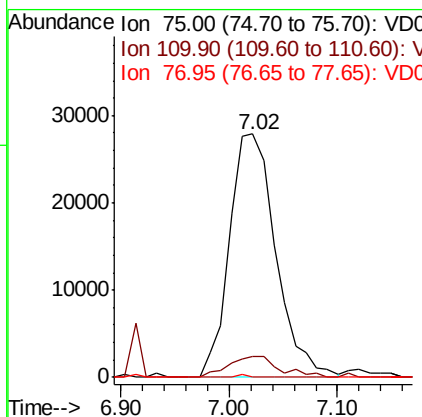
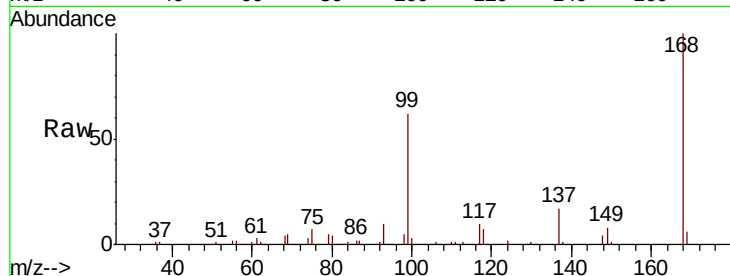




#36
 1,1-Dichloropropene
 Concen: 5.845 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.11 min
 Lab File: VD063321.D
 Acq: 2 Aug 2019 17:17

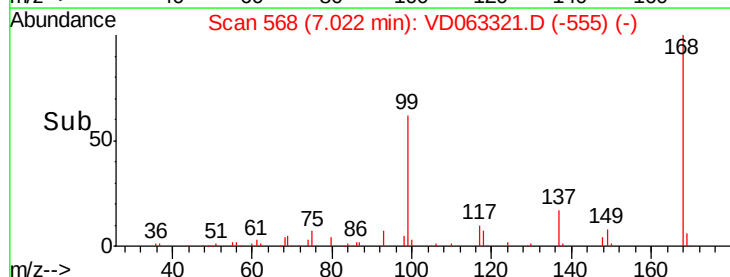
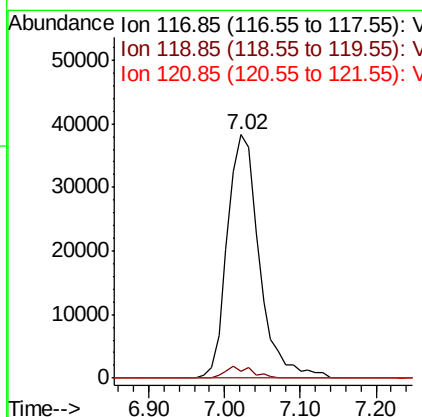
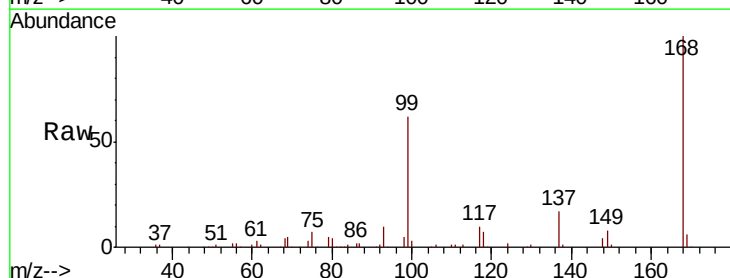
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 1S-F1-(0-1)

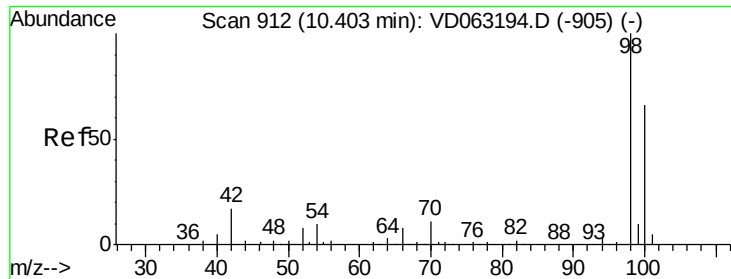
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.1	48.2#
77	0.0	22.7	34.1#



#38
 Carbon Tetrachloride
 Concen: 5.227 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD063321.D
 Acq: 2 Aug 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.6	78.2	117.2#
121	0.0	22.1	33.1#

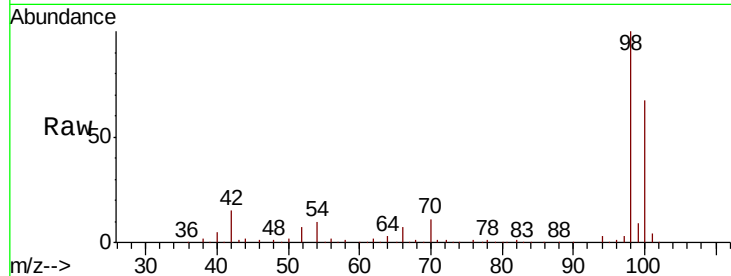




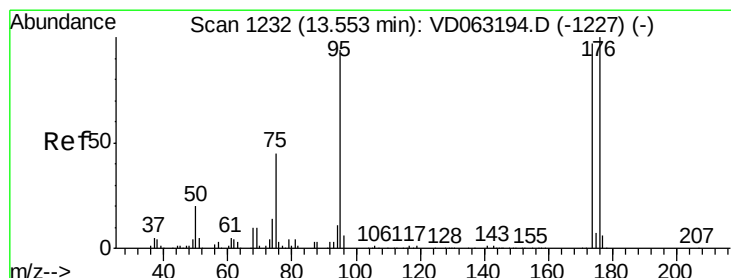
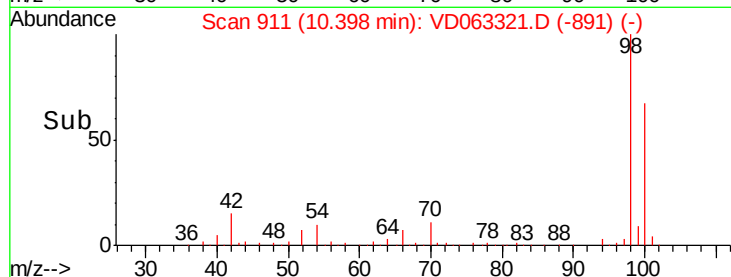
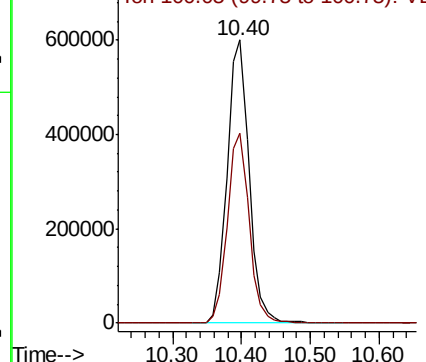
#50
Toluene-d8
Concen: 44.483 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
1S-F1-(0-1)

Tgt Ion: 98 Resp: 1323699
Ion Ratio Lower Upper
98 100
100 67.0 53.2 79.8

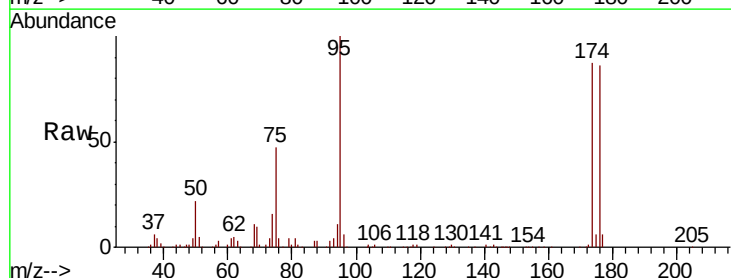


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

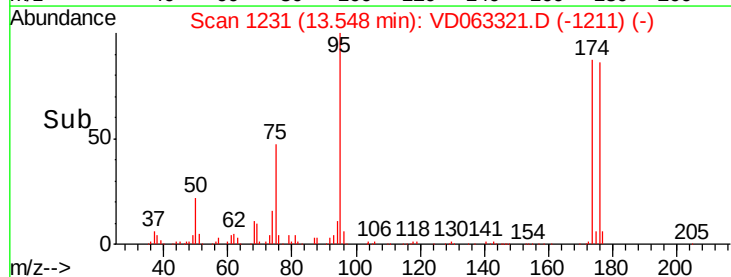
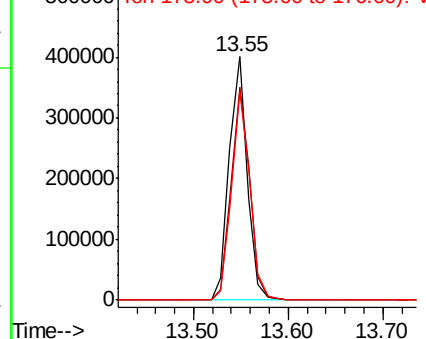


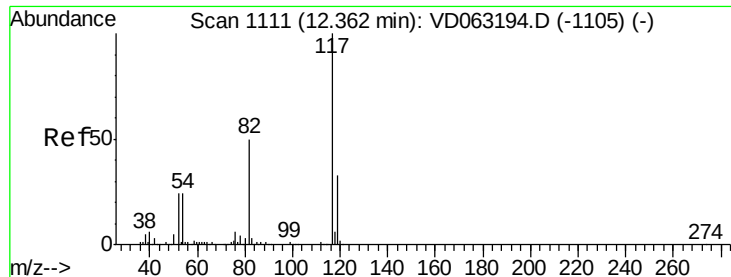
#62
4-Bromofluorobenzene
Concen: 38.704 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

Tgt Ion: 95 Resp: 524847
Ion Ratio Lower Upper
95 100
174 87.5 0.0 205.4
176 85.6 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

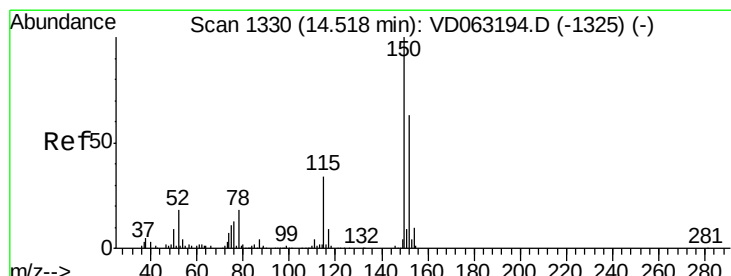
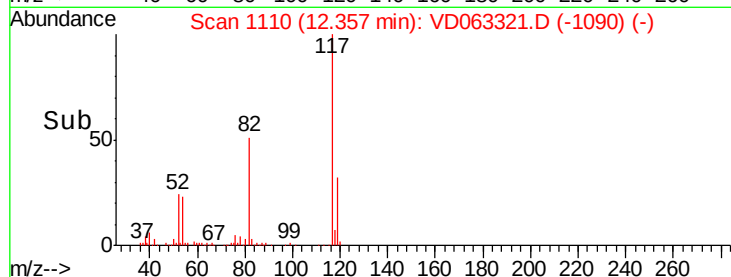
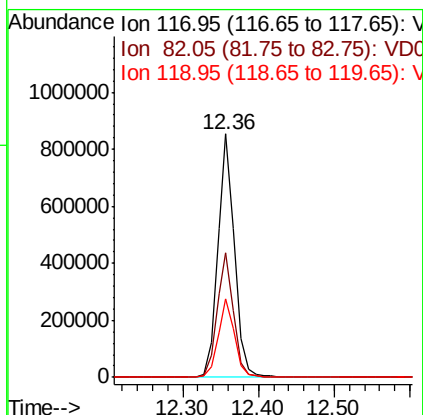
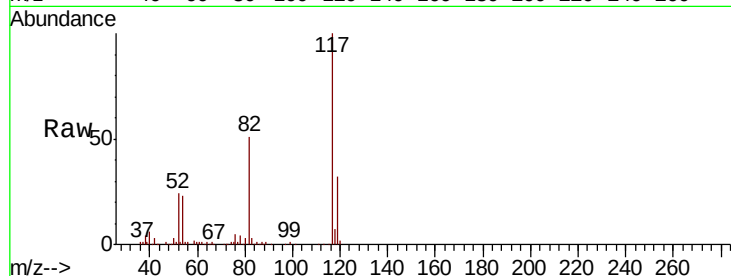




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

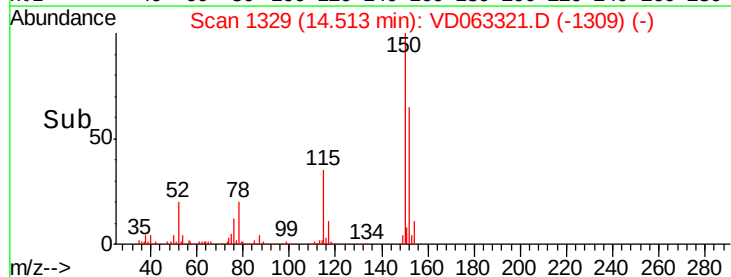
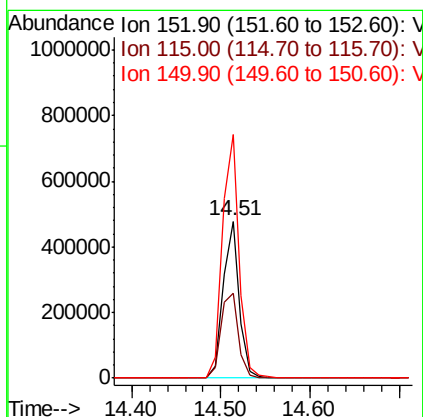
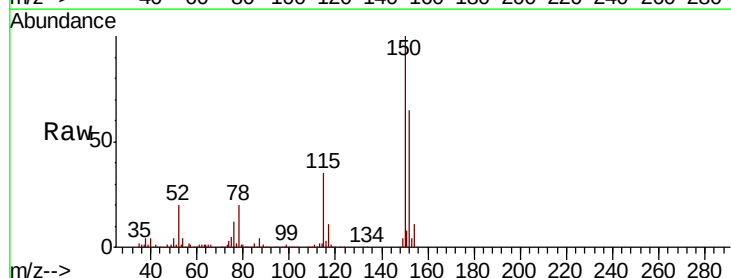
Instrument :
MSVOA_D
ClientSampleId :
1S-F1-(0-1)

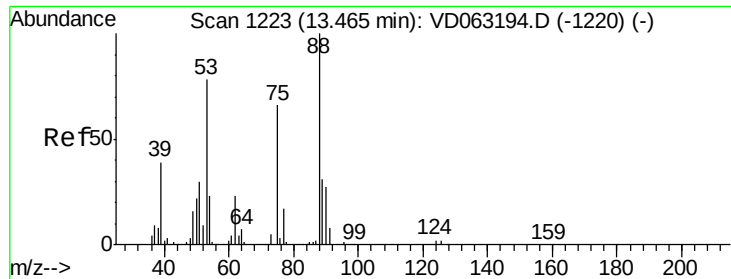
Tgt Ion:117 Resp: 1314196
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 32.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063321.D
Acq: 2 Aug 2019 17:17

Tgt Ion:152 Resp: 609055
Ion Ratio Lower Upper
152 100
115 53.8 27.5 82.4
150 154.9 0.0 320.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.483 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063321.D
 Acq: 2 Aug 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F1-(0-1)

Tgt Ion: 75 Resp: 242715
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

