

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063319.D
 Acq On : 2 Aug 2019 16:22
 Operator : VA/AP
 Sample : K4120-12RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-2RE

Quant Time: Aug 04 03:39:02 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	630469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1010897	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	609385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	139240	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	417547	59.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.38%	
35) Dibromofluoromethane	6.91	113	484679	56.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.32%	
50) Toluene-d8	10.39	98	859327	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
62) 4-Bromofluorobenzene	13.54	95	188634	21.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.86%	

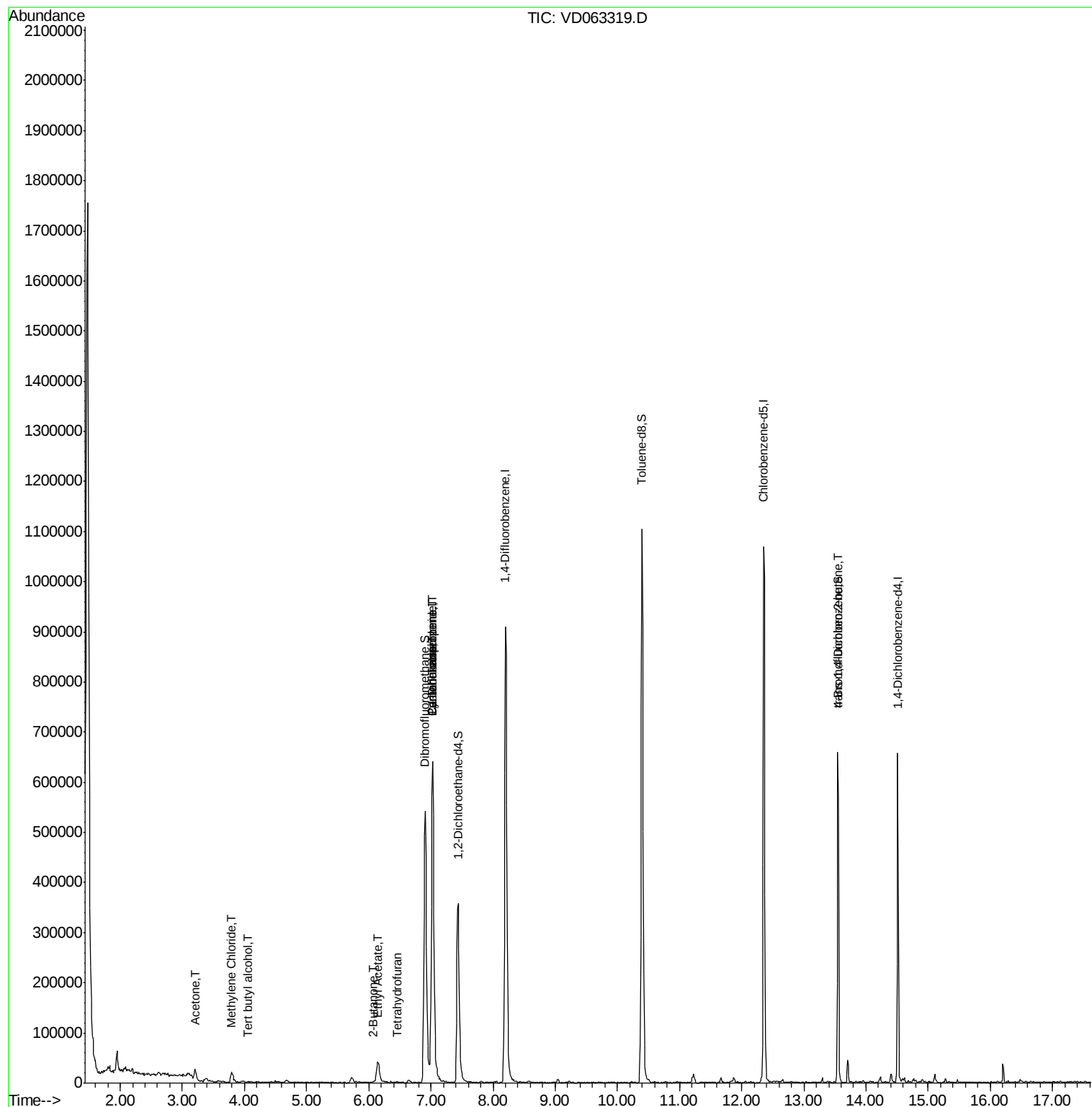
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	371	1.208	ug/l #	69
16) Acetone	3.21	43	49021	35.965	ug/l #	86
20) Methylene Chloride	3.80	84	14625	2.654	ug/l #	83
25) 2-Butanone	6.06	43	3049	2.229	ug/l #	73
29) Tetrahydrofuran	6.45	42	863	1.333	ug/l #	57
31) Cyclohexane	7.03	56	14845	2.382	ug/l #	24
36) 1,1-Dichloropropene	7.03	75	44353	4.808	ug/l #	53
37) Ethyl Acetate	6.14	43	4680	1.129	ug/l #	68
38) Carbon Tetrachloride	7.03	117	62900	4.529	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	85308	183.693	ug/l #	3

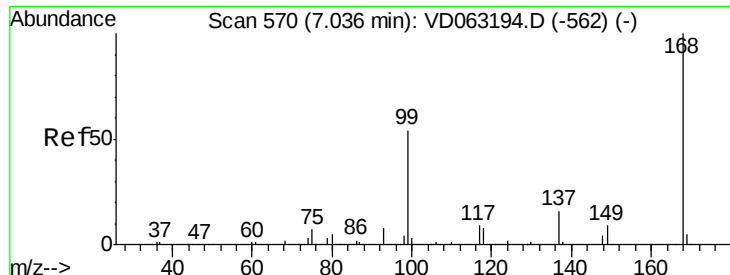
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Quant Time: Aug 04 03:39:02 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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

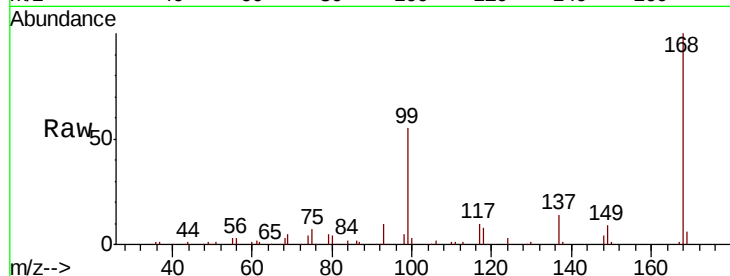
SW-2RE

Tgt Ion:168 Resp: 630469

Ion Ratio Lower Upper

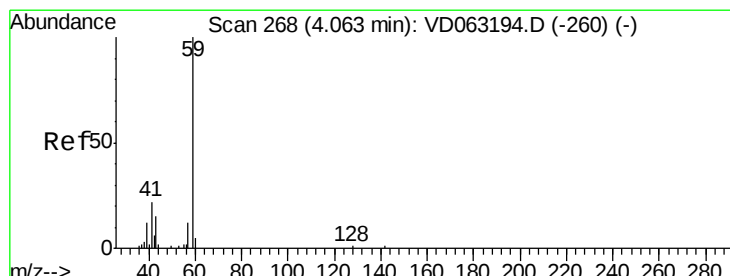
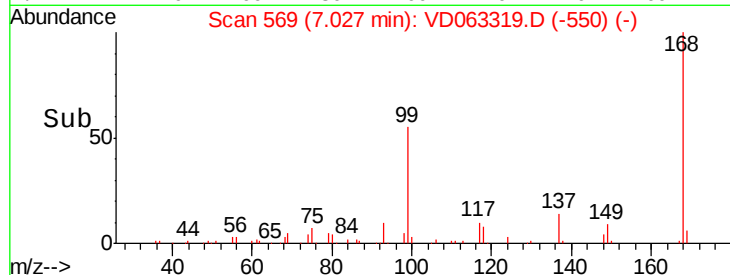
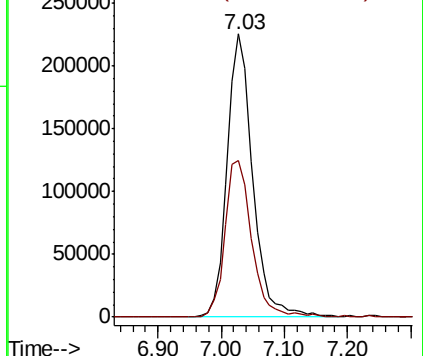
168 100

99 55.3 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: 1.208 ug/l

RT: 4.04 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063319.D

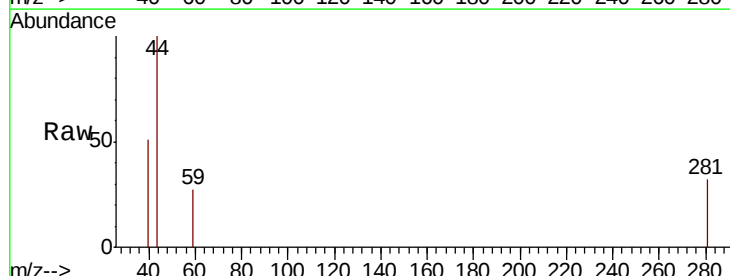
Acq: 2 Aug 2019 16:22

Tgt Ion: 59 Resp: 371

Ion Ratio Lower Upper

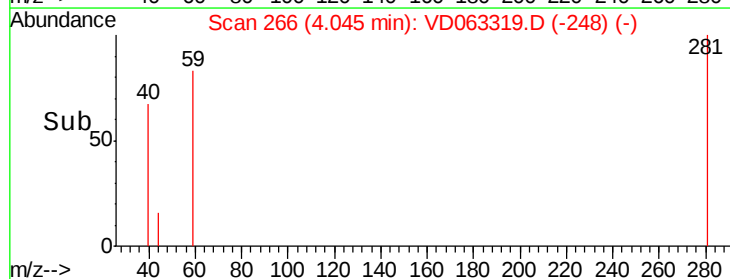
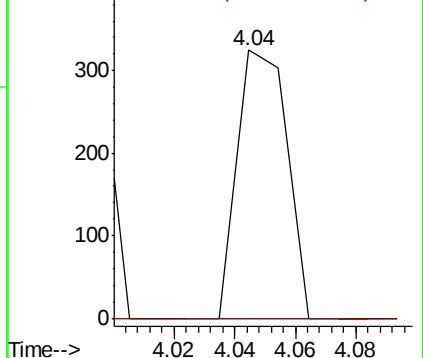
59 100

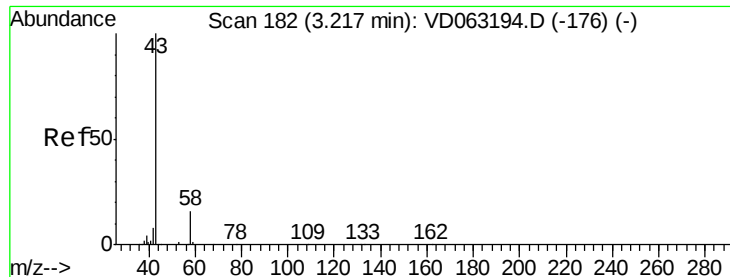
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 35.965 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

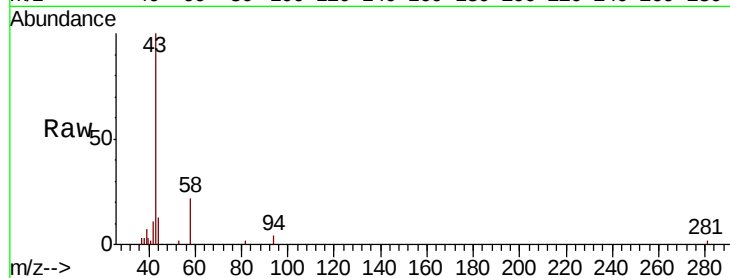
SW-2RE

Tgt Ion: 43 Resp: 49021

Ion Ratio Lower Upper

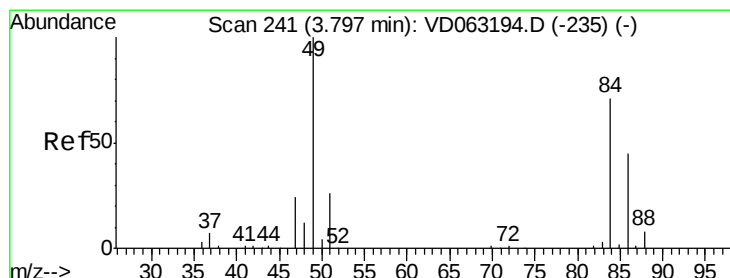
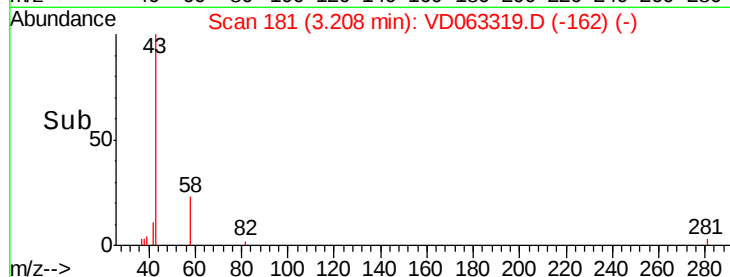
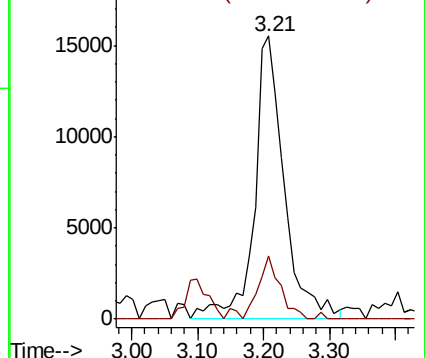
43 100

58 22.2 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: 2.654 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Tgt Ion: 84 Resp: 14625

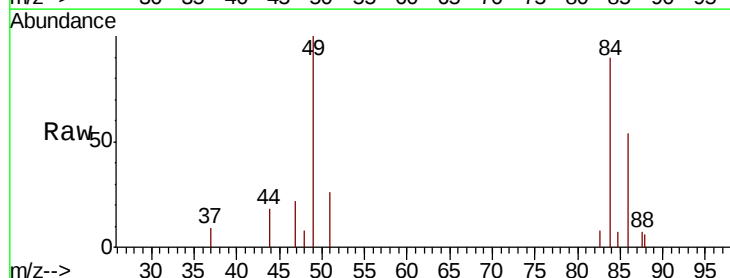
Ion Ratio Lower Upper

84 100

49 111.3 112.5 168.7#

51 28.9 29.6 44.4#

86 60.2 50.4 75.6

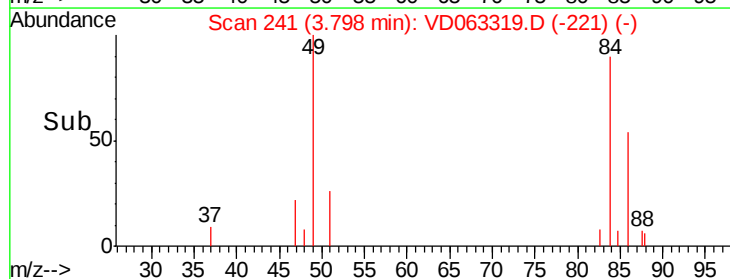
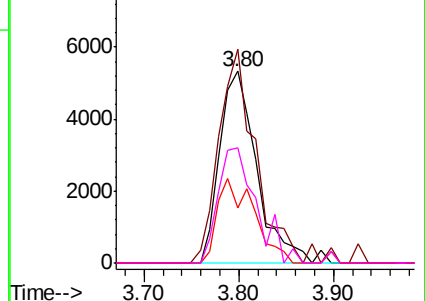


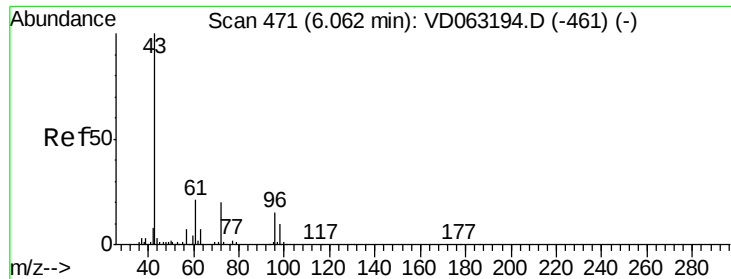
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.229 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

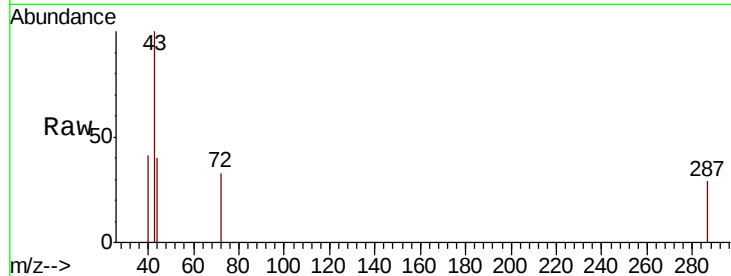
SW-2RE

Tgt Ion: 43 Resp: 3049

Ion Ratio Lower Upper

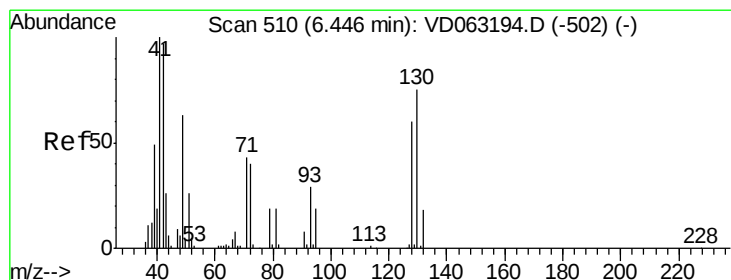
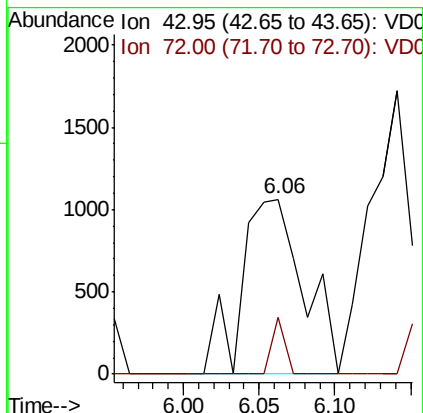
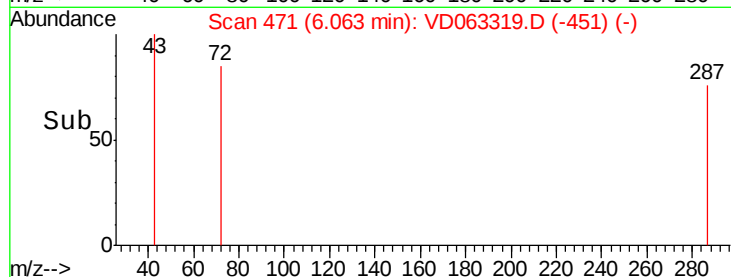
43 100

72 32.7 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: 1.333 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

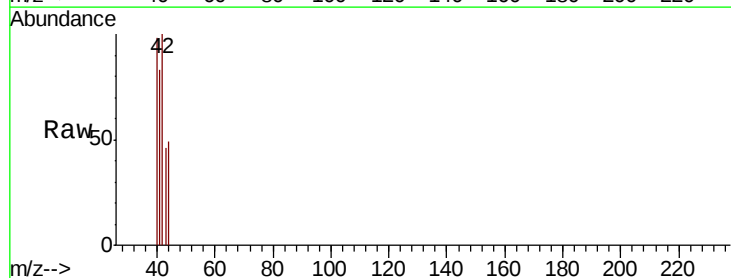
Tgt Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 51.2 33.4 50.2#

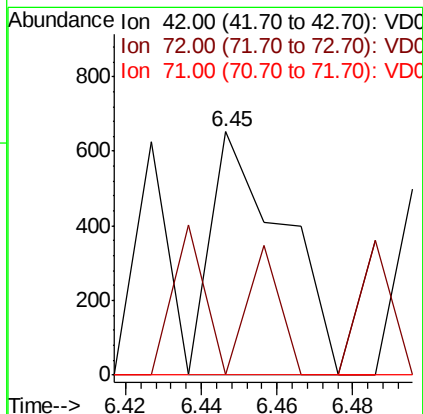
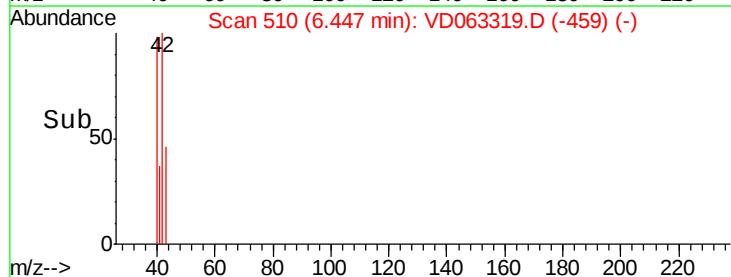
71 0.0 35.7 53.5#

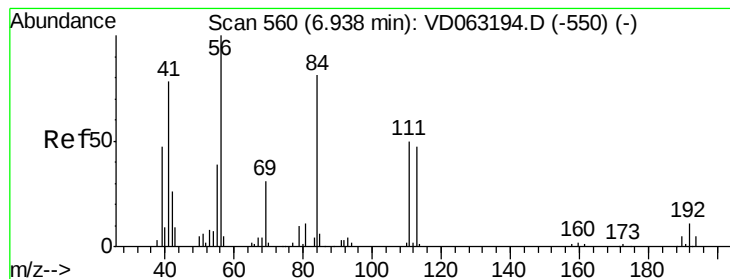


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.382 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SW-2RE

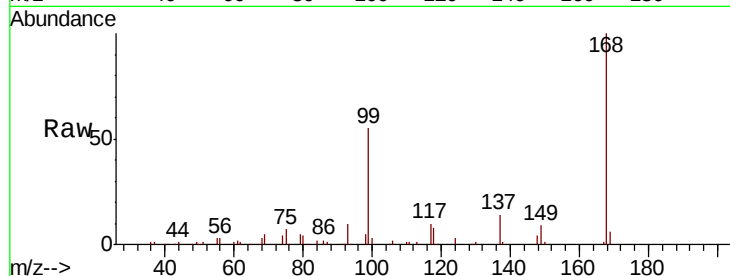
Tgt Ion: 56 Resp: 14845

Ion Ratio Lower Upper

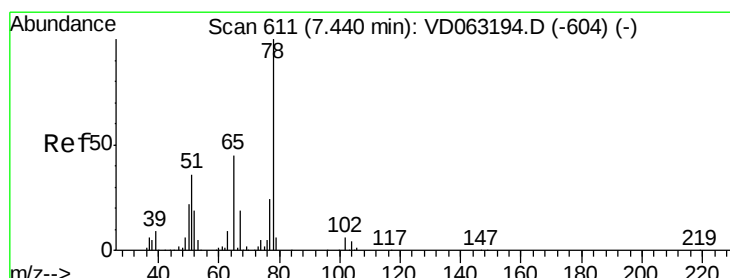
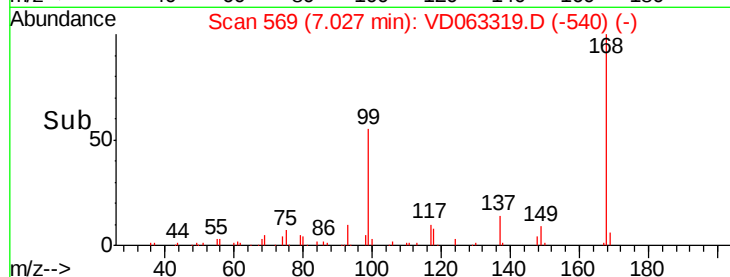
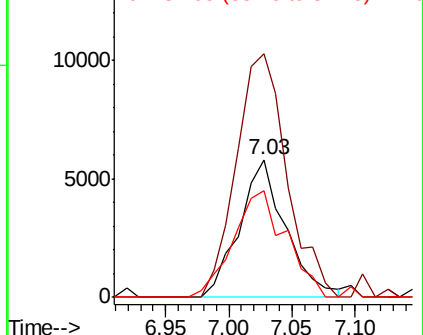
56 100

69 176.8 24.5 36.7#

84 77.7 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: 59.687 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063319.D

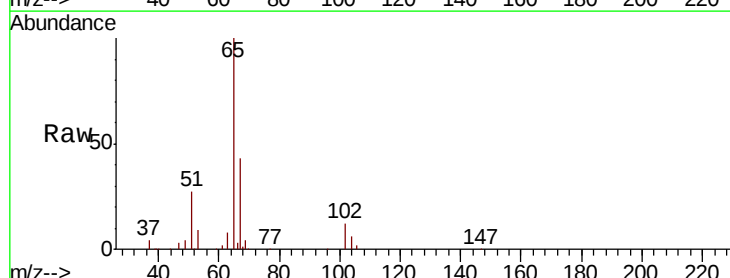
Acq: 2 Aug 2019 16:22

Tgt Ion: 65 Resp: 417547

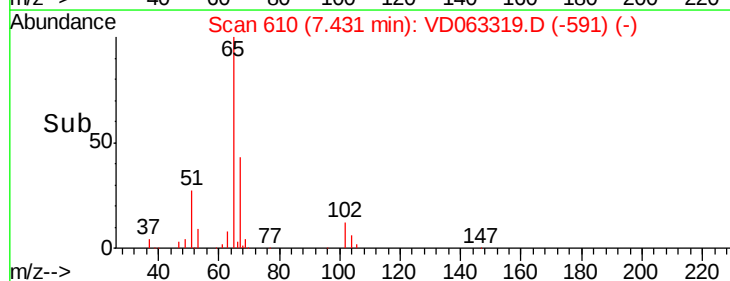
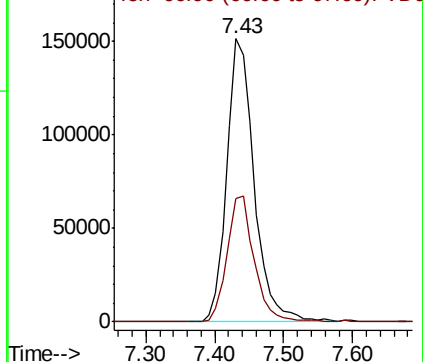
Ion Ratio Lower Upper

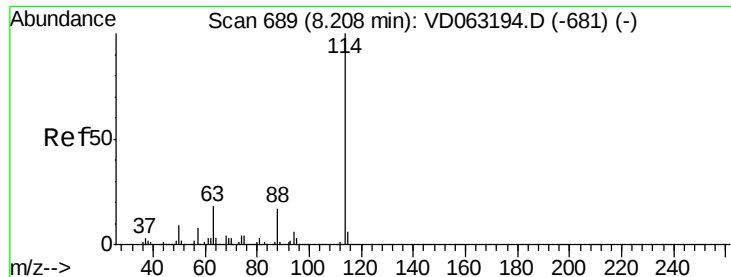
65 100

67 43.5 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: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SW-2RE

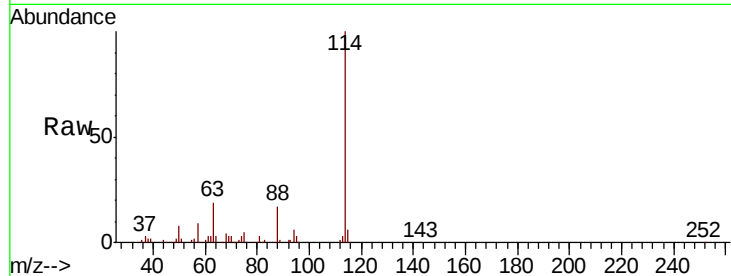
Tgt Ion:114 Resp: 1010897

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

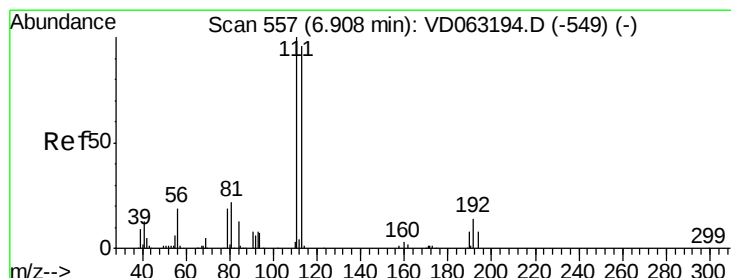
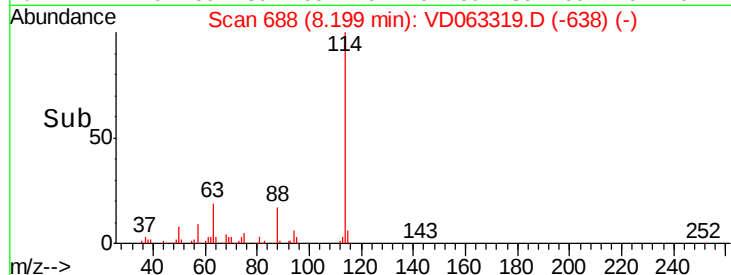
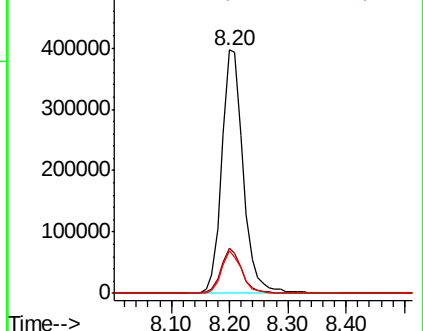
88 17.4 0.0 34.6



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: 56.156 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

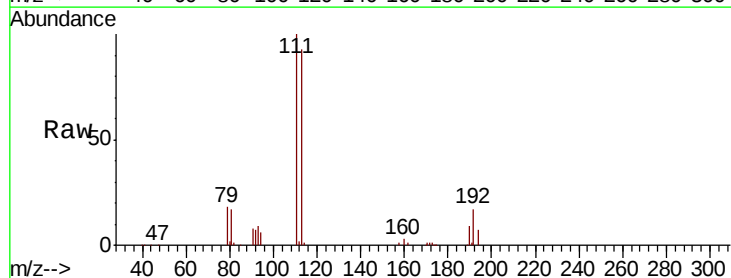
Tgt Ion:113 Resp: 484679

Ion Ratio Lower Upper

113 100

111 107.0 83.2 124.8

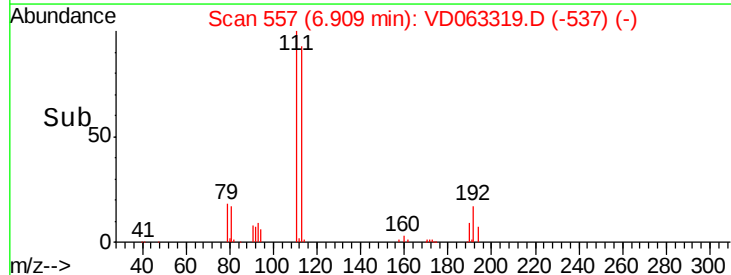
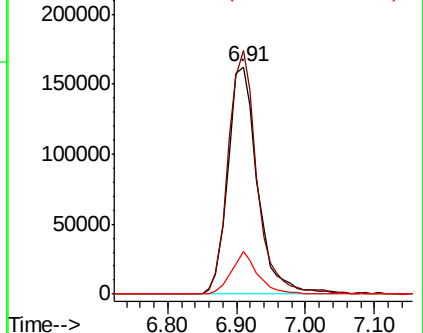
192 18.7 11.8 17.8#

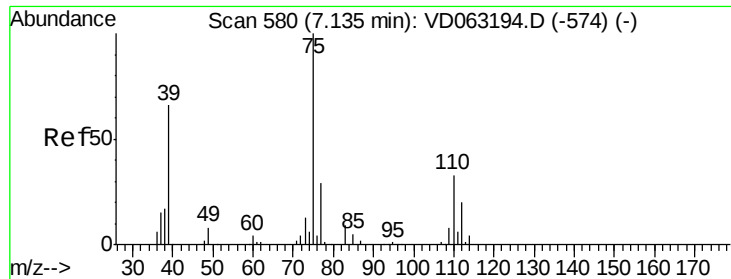


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SW-2RE

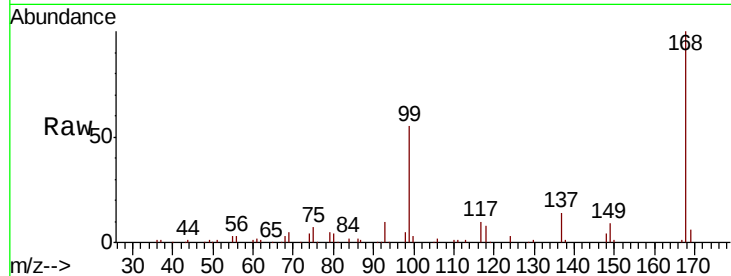
Tgt Ion: 75 Resp: 44353

Ion Ratio Lower Upper

75 100

110 9.0 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC

20000

15000

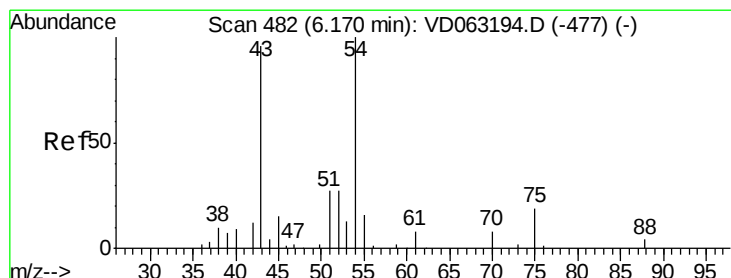
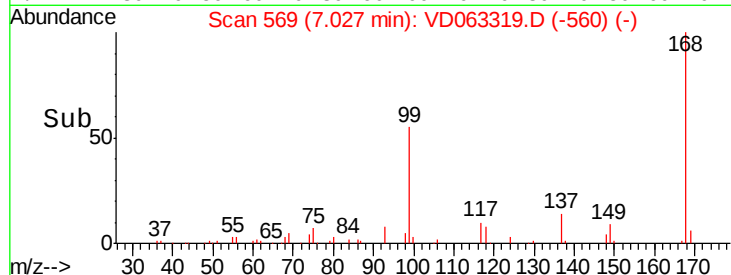
10000

5000

0

6.90 7.00 7.10 7.20

Time-->



#37

Ethyl Acetate

Concen: 1.129 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.03 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

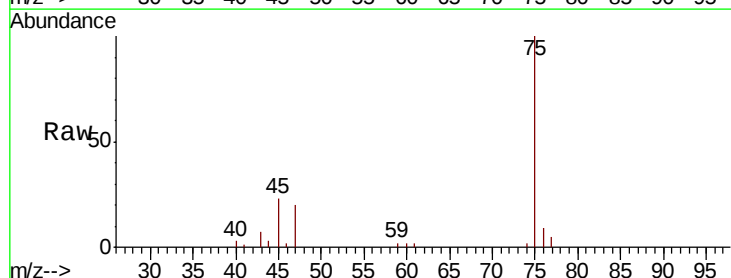
Tgt Ion: 43 Resp: 4680

Ion Ratio Lower Upper

43 100

61 29.7 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

2000

1500

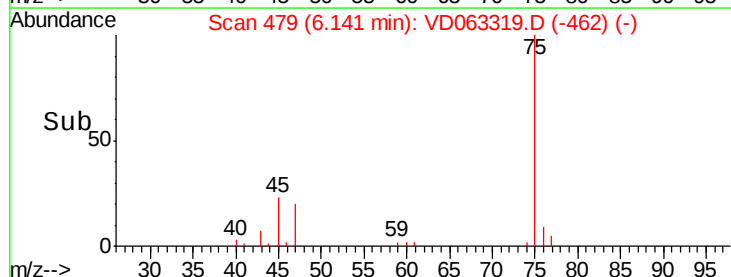
1000

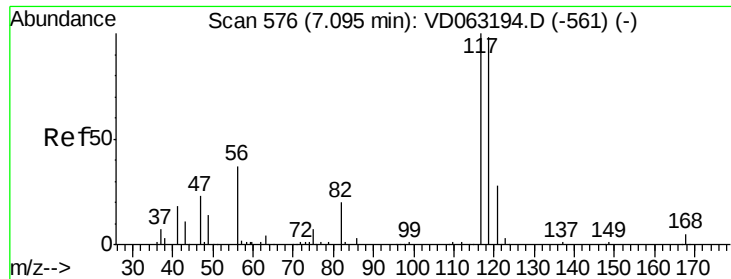
500

0

6.10 6.15 6.20

Time-->

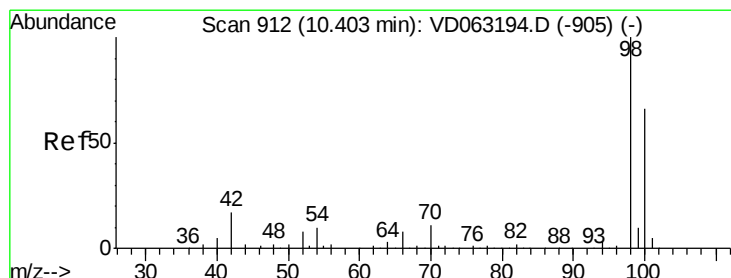
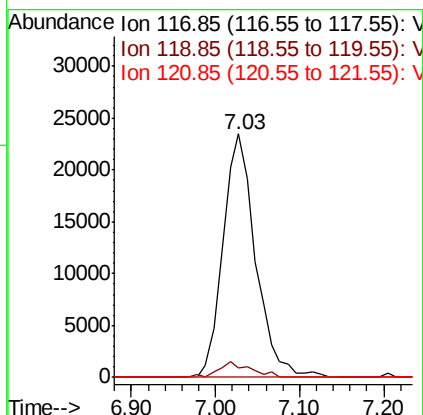
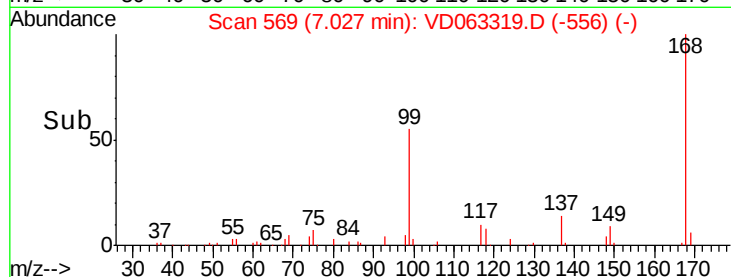
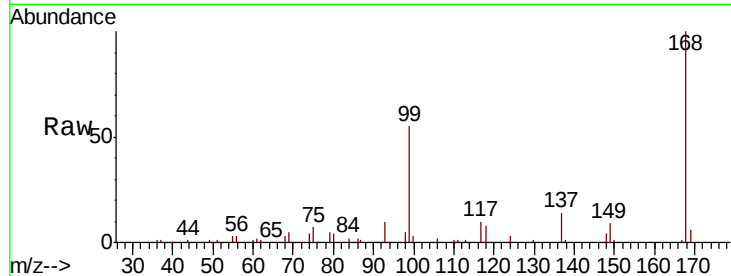




#38
Carbon Tetrachloride
Concen: 4.529 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063319.D
Acq: 2 Aug 2019 16:22

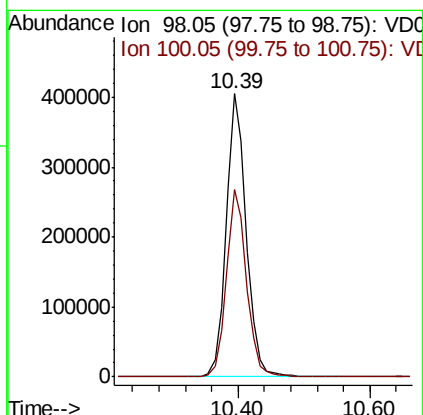
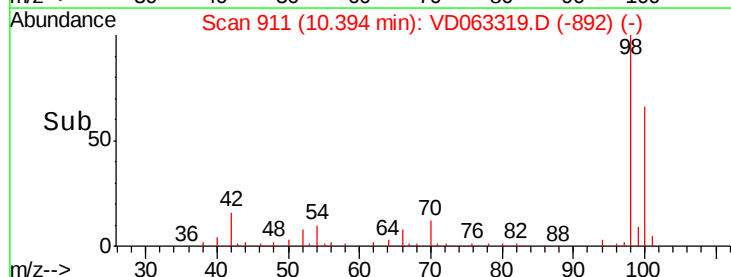
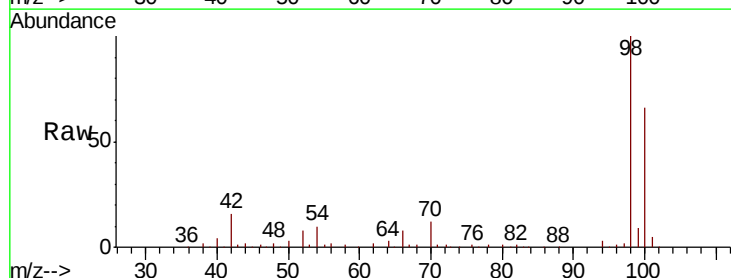
Instrument :
MSVOA_D
ClientSampleId :
SW-2RE

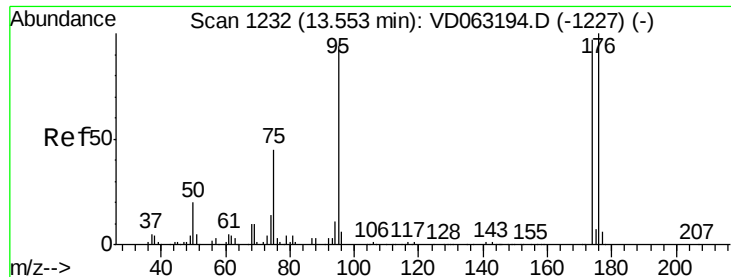
Tgt Ion:117 Resp: 62900
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 22.1 33.1#



#50
Toluene-d8
Concen: 44.488 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063319.D
Acq: 2 Aug 2019 16:22

Tgt Ion: 98 Resp: 859327
Ion Ratio Lower Upper
98 100
100 66.2 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 21.430 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SW-2RE

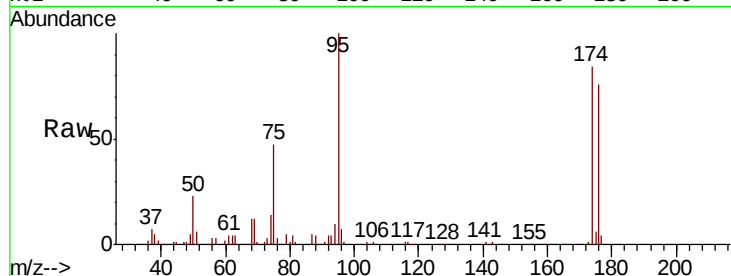
Tgt Ion: 95 Resp: 188634

Ion Ratio Lower Upper

95 100

174 83.9 0.0 205.4

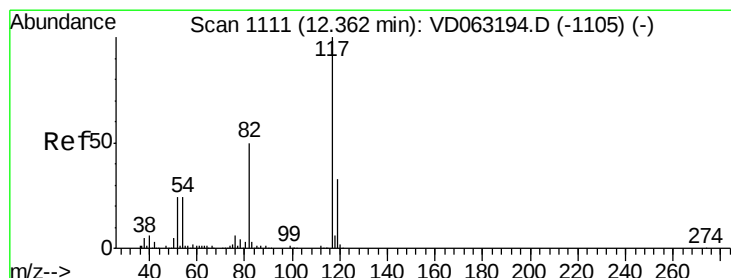
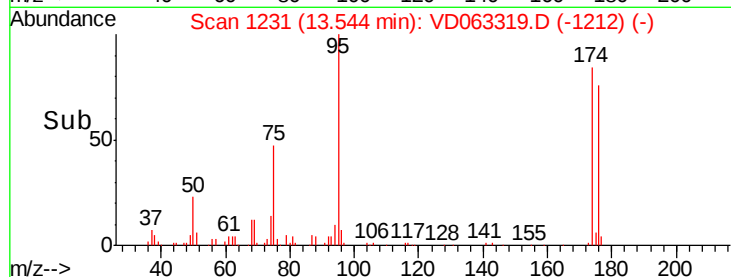
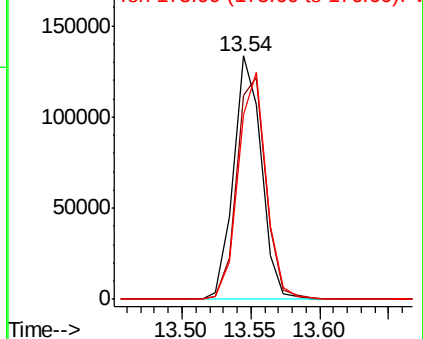
176 75.8 0.0 211.8



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063319.D

Acq: 2 Aug 2019 16:22

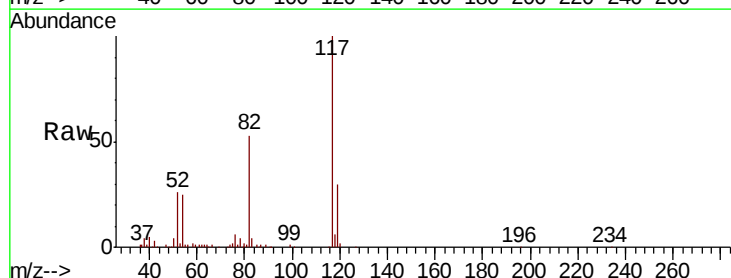
Tgt Ion: 117 Resp: 609385

Ion Ratio Lower Upper

117 100

82 53.3 40.1 60.1

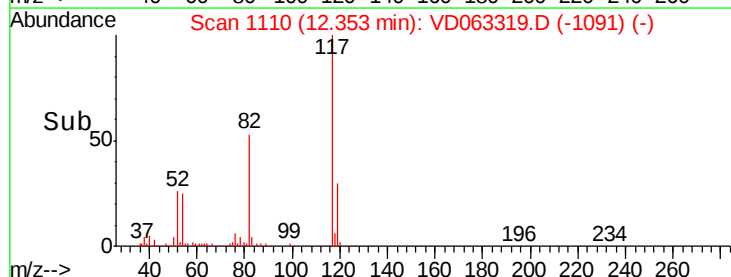
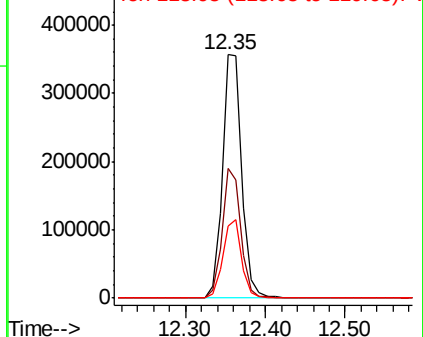
119 29.8 26.5 39.7

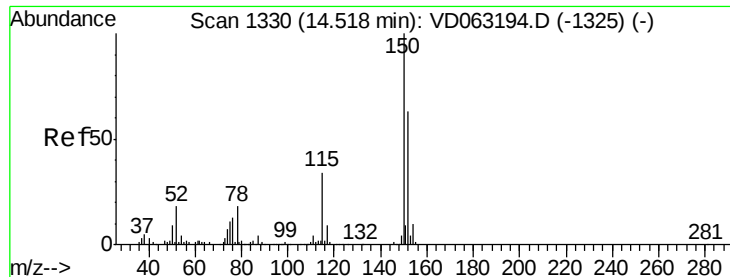


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

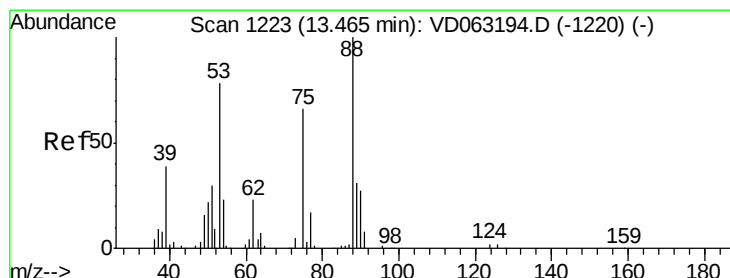
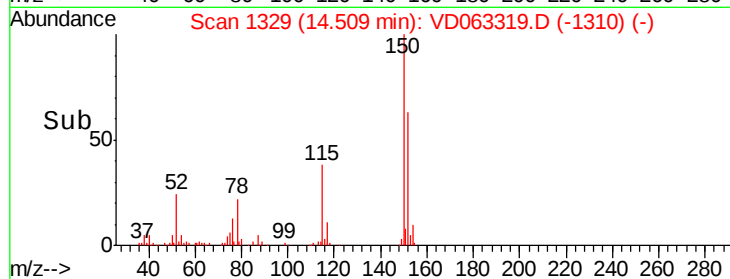
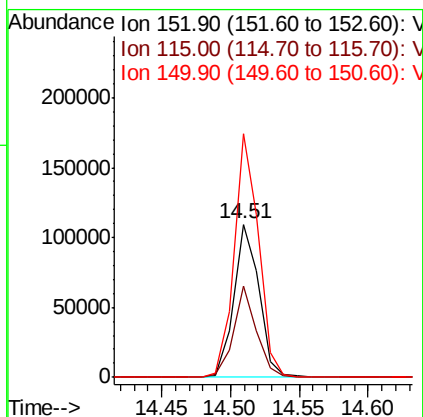
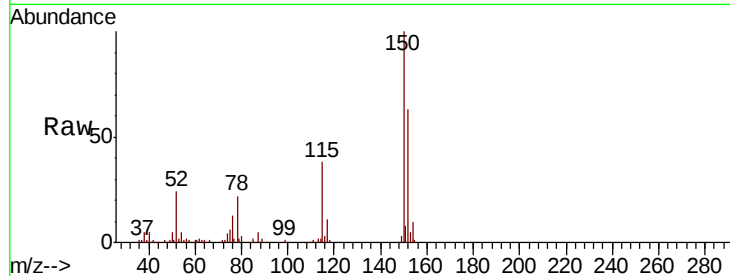




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063319.D
 Acq: 2 Aug 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-2RE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	27.5	82.4
150	158.9	0.0	320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 183.693 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063319.D
 Acq: 2 Aug 2019 16:22

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

