

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061327.D
 Acq On : 26 Mar 2019 5:14
 Operator : VA/AP
 Sample : K2047-17
 Misc : 5.99g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(23-25)

Quant Time: Mar 26 07:30:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	579096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	968911	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	774104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	338503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	196506	39.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.66%	
35) Dibromofluoromethane	6.93	113	333205	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.88%	
50) Toluene-d8	10.40	98	743038	41.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.66%	
62) 4-Bromofluorobenzene	13.55	95	274025	39.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.14%	

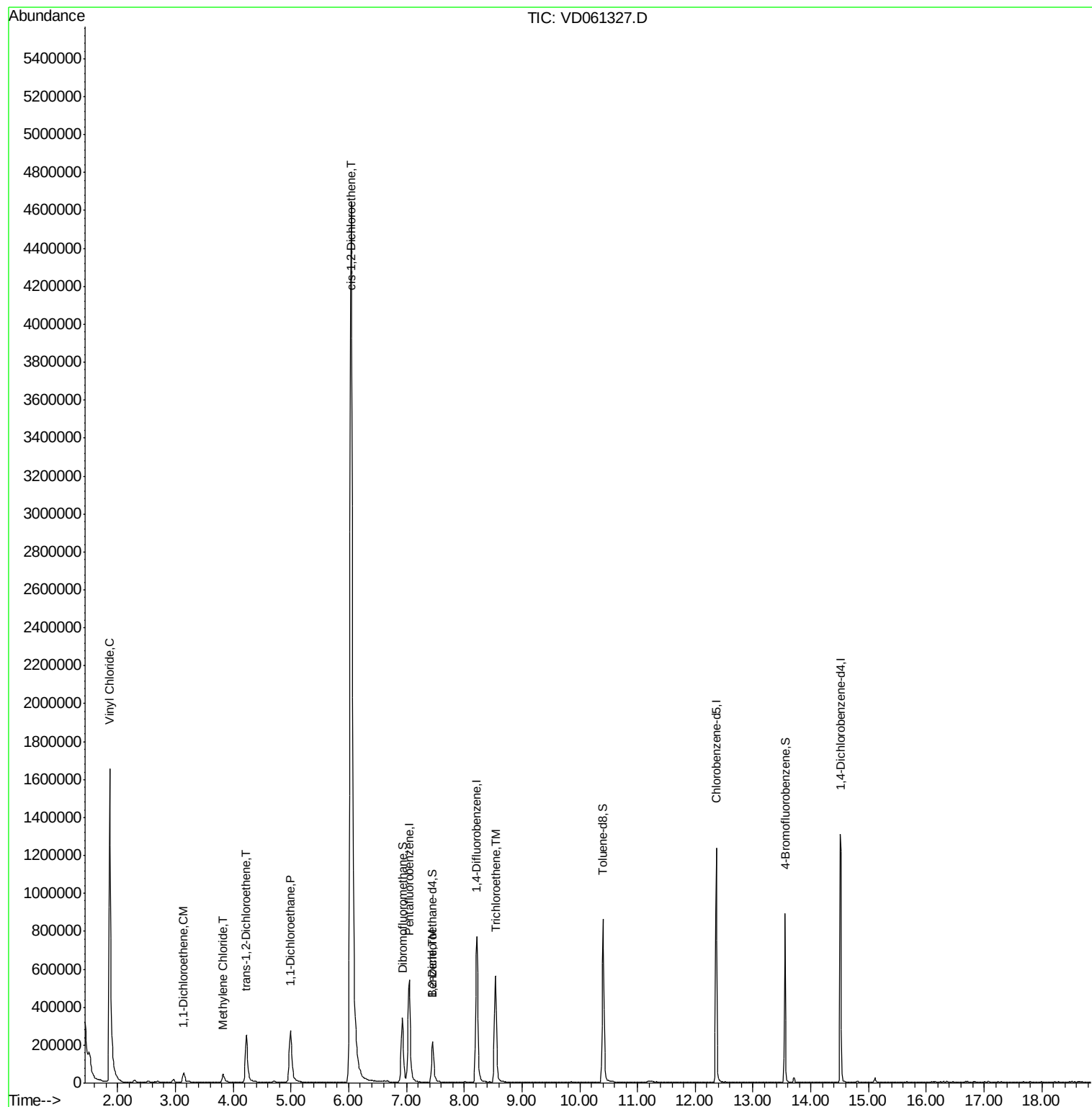
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	2173813	503.368	ug/l	98
12) 1,1-Dichloroethene	3.14	96	29424	5.263	ug/l	98
20) Methylene Chloride	3.83	84	32048	4.725	ug/l	90
21) trans-1,2-Dichloroethene	4.23	96	177042	28.307	ug/l	97
24) 1,1-Dichloroethane	4.99	63	485988	49.917	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	3864226	574.123	ug/l	95
40) Benzene	7.46	78	20509	1.042	ug/l	94
44) Trichloroethene	8.54	130	291751	40.975	ug/l	99

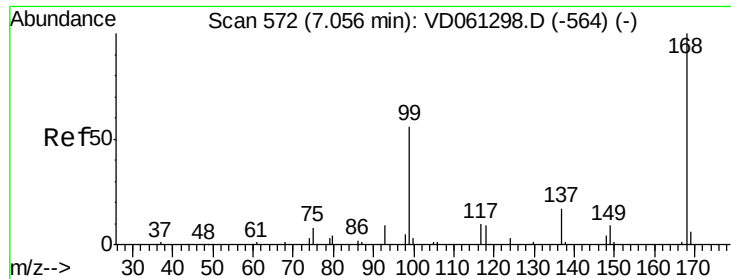
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

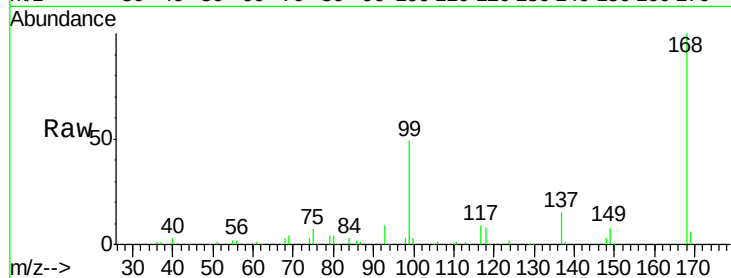
WP022SB440-190318-(23-25)

Tot Ion:168 Resp: 579096

Ion Ratio Lower Upper

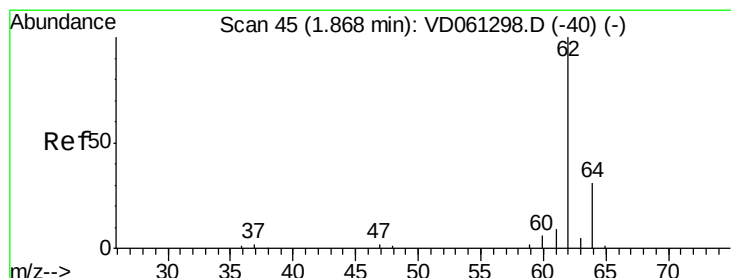
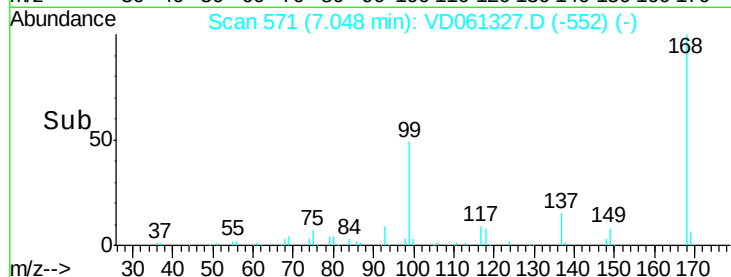
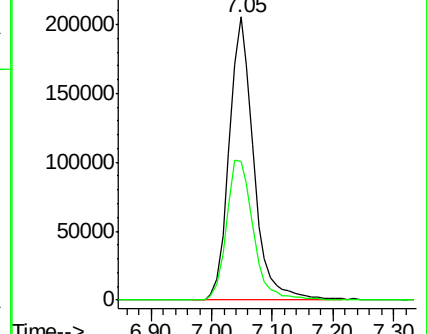
168 100

99 49.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 503.368 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061327.D

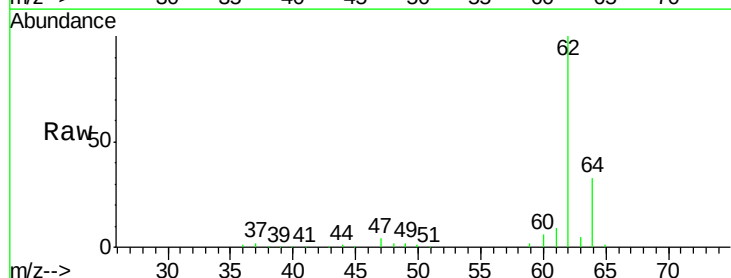
Acq: 26 Mar 2019 5:14

Tgt Ion: 62 Resp: 2173813

Ion Ratio Lower Upper

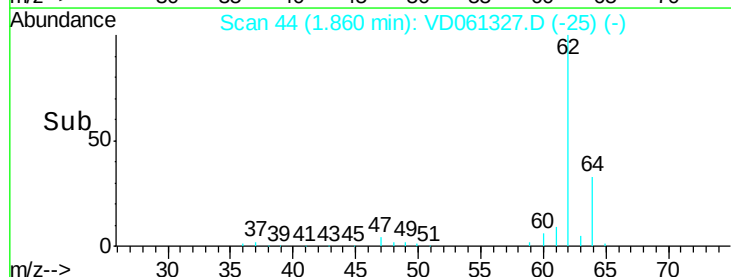
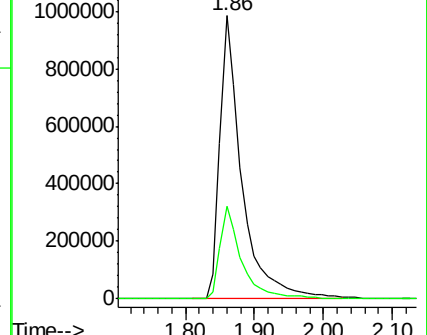
62 100

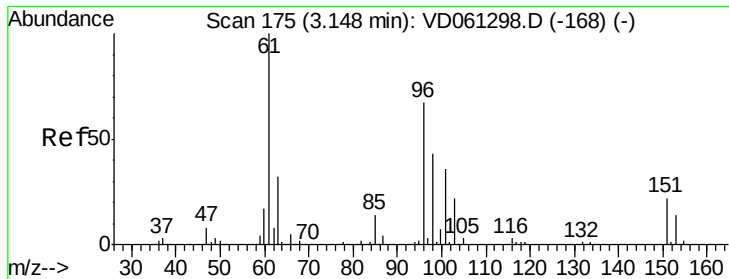
64 32.5 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#12

1,1-Dichloroethene

Concen: 5.263 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

WP022SB440-190318-(23-25)

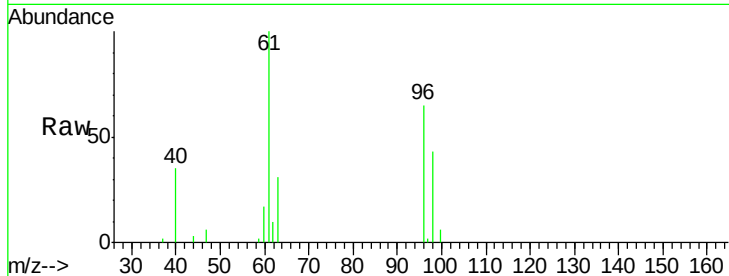
Tot Ion: 96 Resp: 29424

Ion Ratio Lower Upper

96 100

61 152.8 120.2 180.2

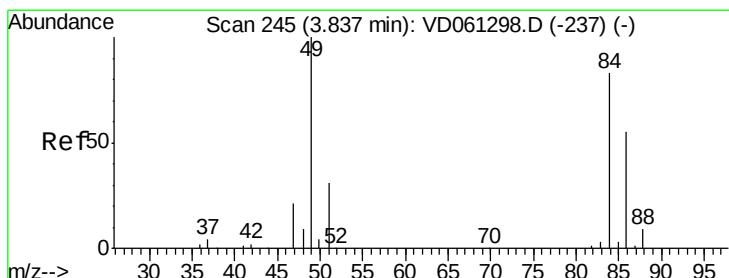
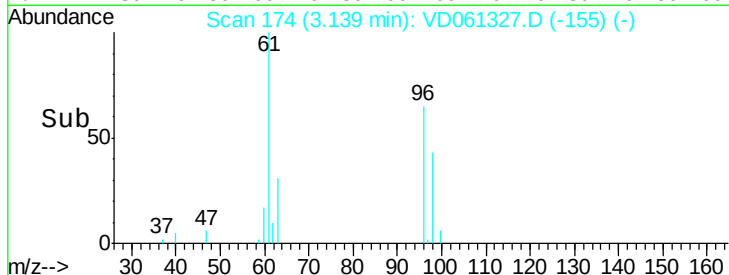
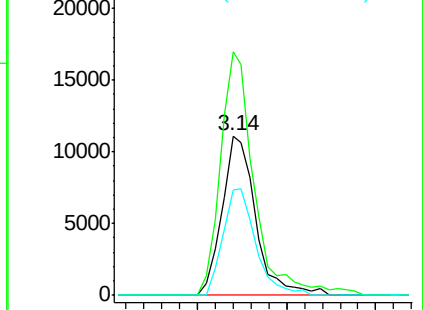
98 66.3 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#20

Methylene Chloride

Concen: 4.725 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

Tgt Ion: 84 Resp: 32048

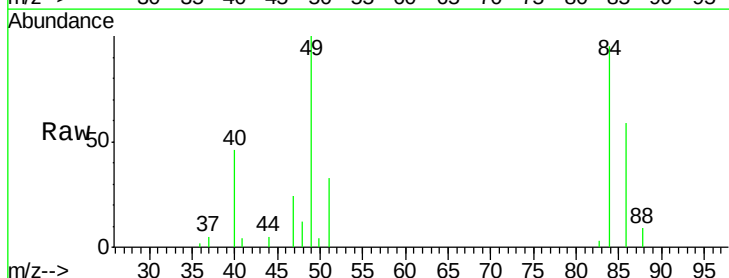
Ion Ratio Lower Upper

84 100

49 105.7 96.8 145.2

51 34.5 29.9 44.9

86 62.3 53.1 79.7

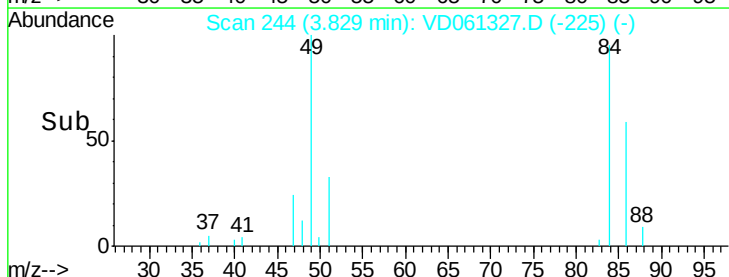
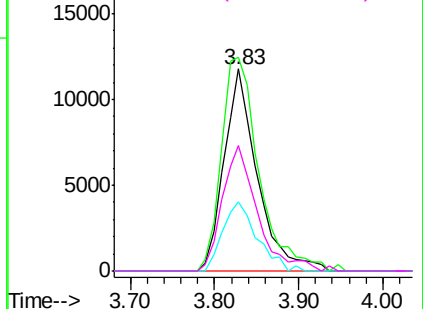


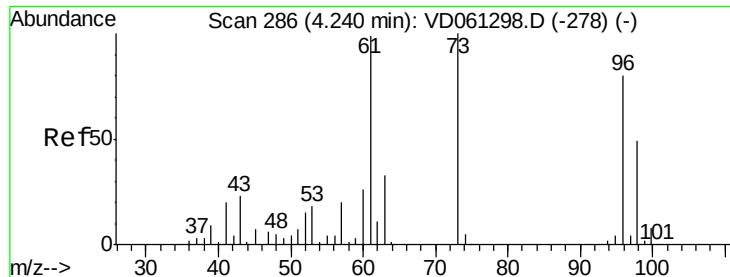
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#21

trans-1,2-Dichloroethene

Concen: 28.307 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

WP022SB440-190318-(23-25)

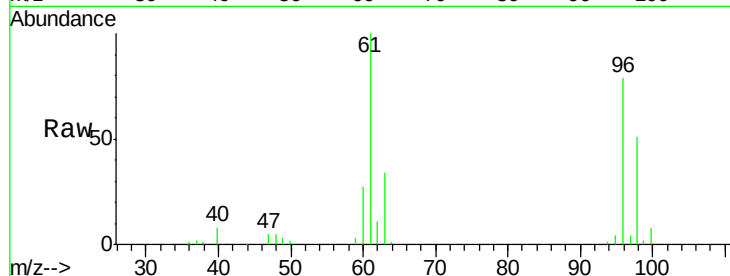
Tot Ion: 96 Resp: 177042

Ion Ratio Lower Upper

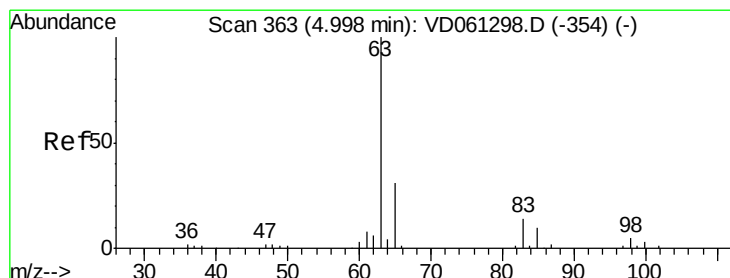
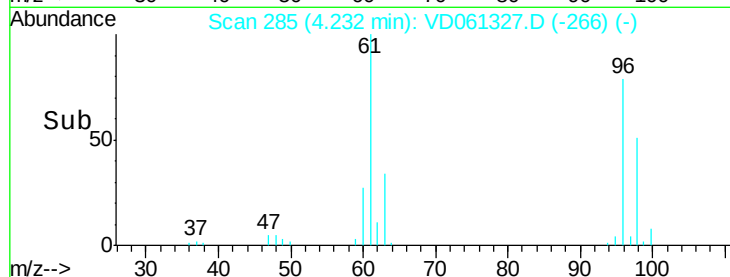
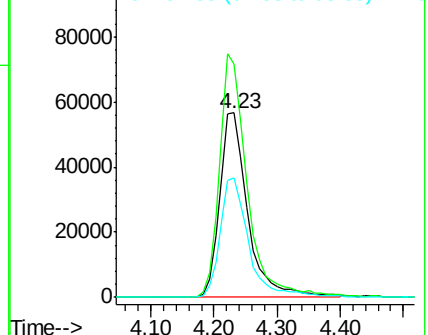
96 100

61 126.5 99.2 148.8

98 64.8 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#24

1,1-Dichloroethane

Concen: 49.917 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

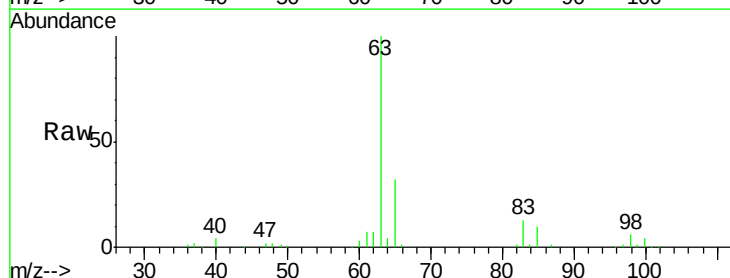
Tgt Ion: 63 Resp: 485988

Ion Ratio Lower Upper

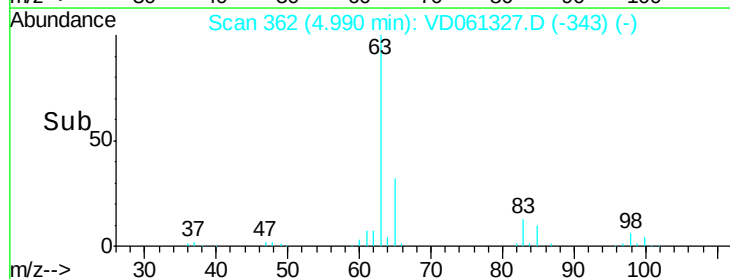
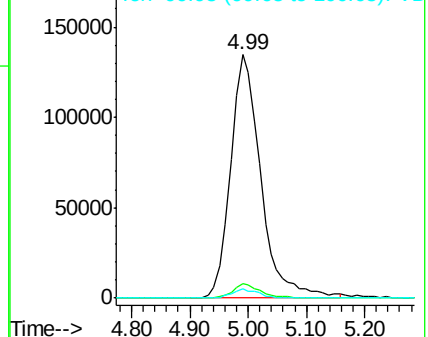
63 100

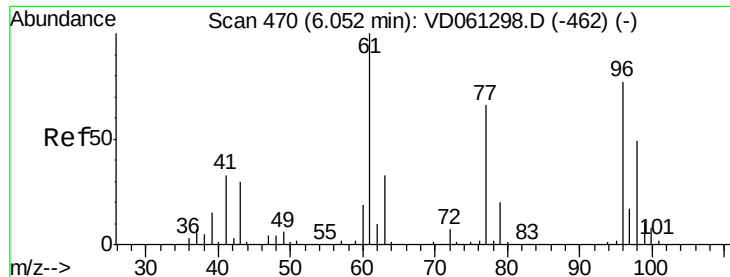
98 6.2 2.8 8.3

100 3.7 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



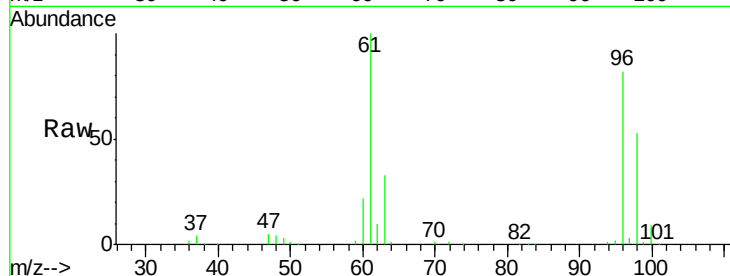


#27

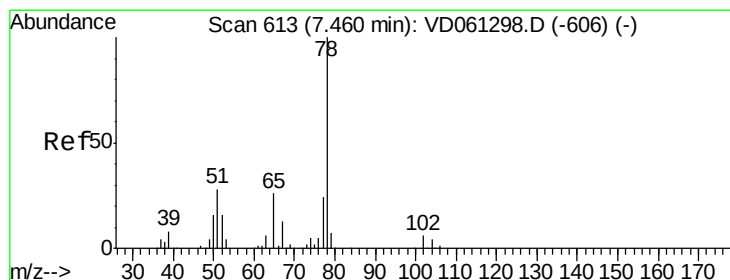
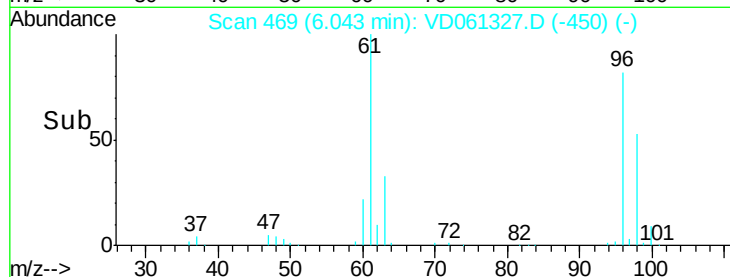
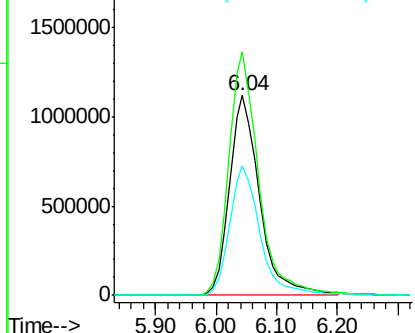
cis-1,2-Dichloroethene
 Concen: 574.123 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD061327.D
 Acq: 26 Mar 2019 5:14

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(23-25)

Tot Ion: 96 Resp: 3864226
 Ion Ratio Lower Upper
 96 100
 61 122.0 0.0 261.0
 98 64.8 0.0 127.6



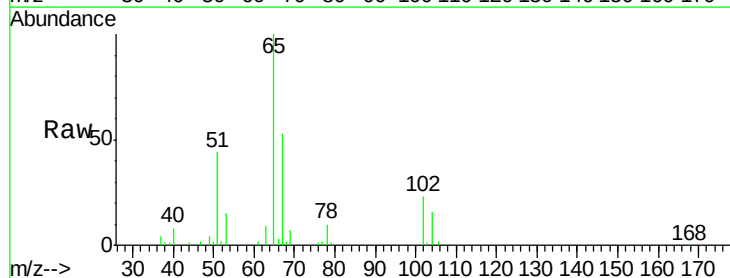
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



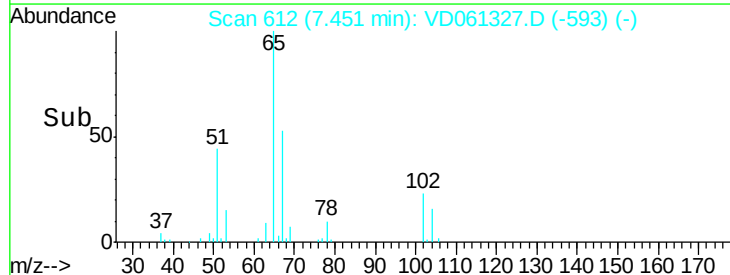
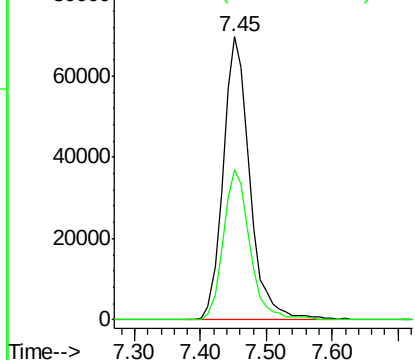
#33

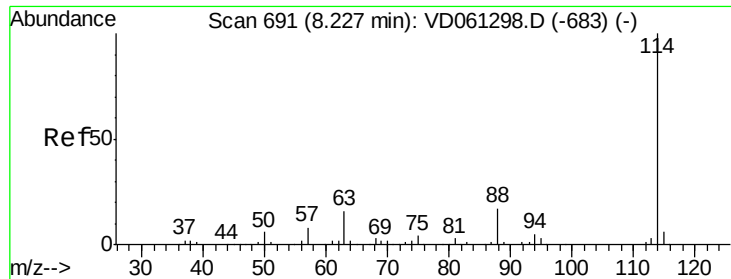
1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061327.D
 Acq: 26 Mar 2019 5:14

Tgt Ion: 65 Resp: 196506
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.8



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

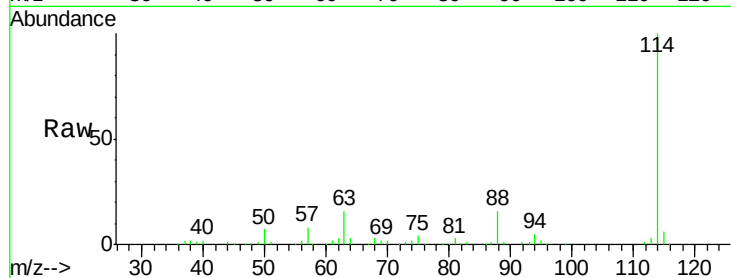




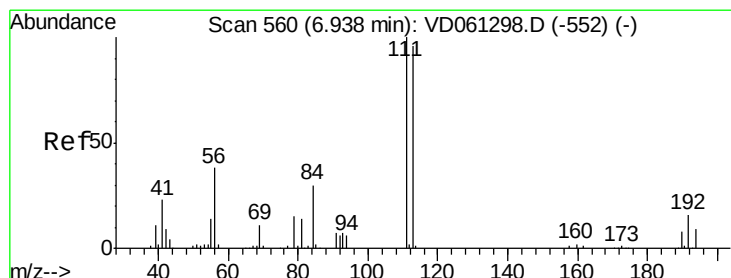
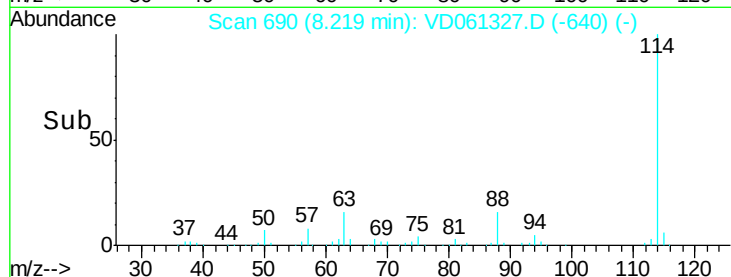
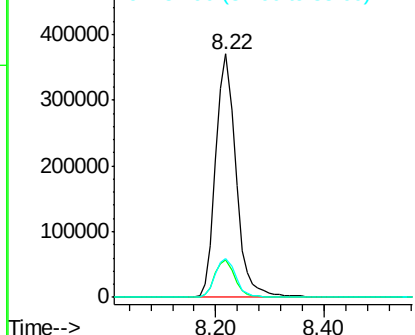
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061327.D
 Acq: 26 Mar 2019 5:14

Instrument :
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Tot Ion:114 Resp: 968911
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 15.9 0.0 33.2

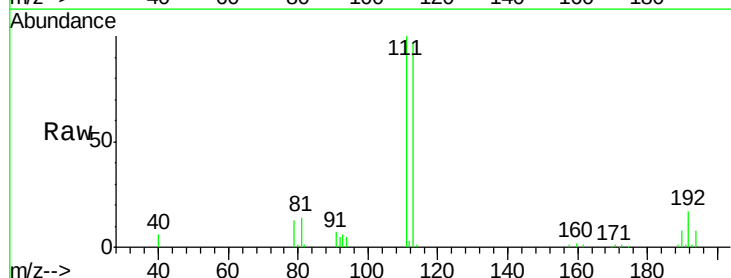


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

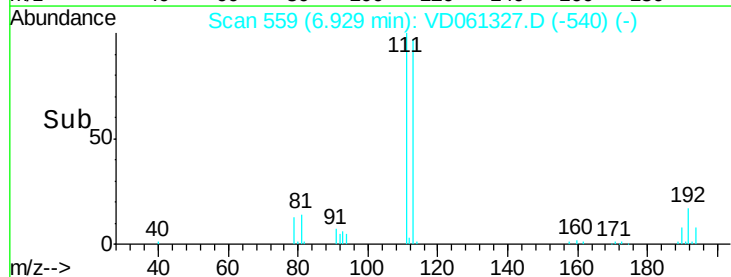
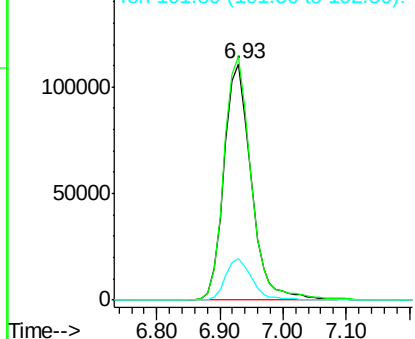


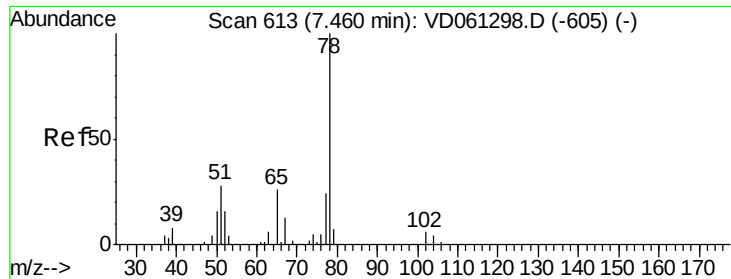
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD061327.D
 Acq: 26 Mar 2019 5:14

Tgt Ion:113 Resp: 333205
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.7 125.5
 192 17.5 13.4 20.0



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





#40

Benzene

Concen: 1.042 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061327.D

Acq: 26 Mar 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

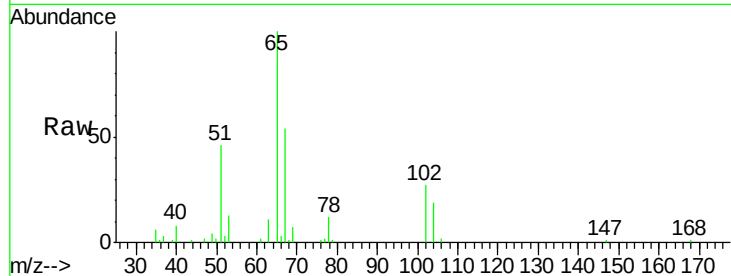
WP022SB440-190318-(23-25)

Tot Ion: 78 Resp: 20509

Ion Ratio Lower Upper

78 100

77 20.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.46

8000

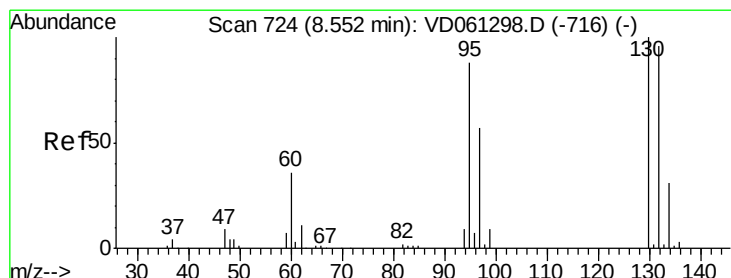
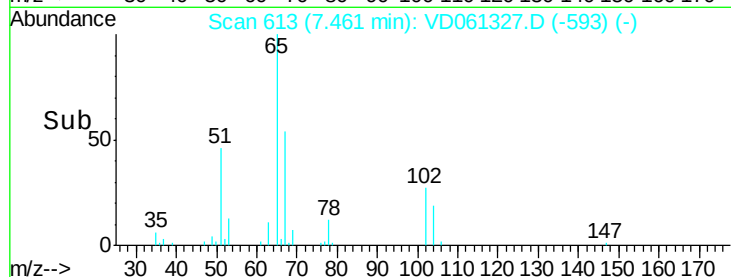
6000

4000

2000

0

Time--> 7.40 7.50



#44

Trichloroethene

Concen: 40.975 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061327.D

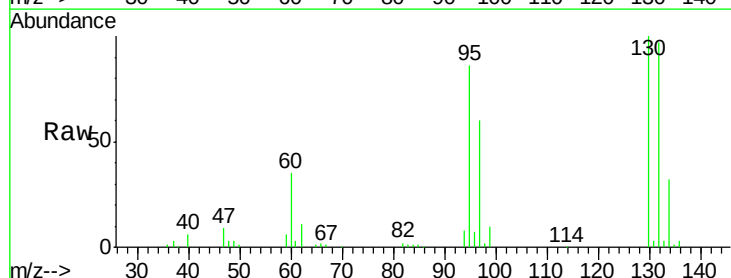
Acq: 26 Mar 2019 5:14

Tgt Ion: 130 Resp: 291751

Ion Ratio Lower Upper

130 100

95 86.3 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

8.54

120000

100000

80000

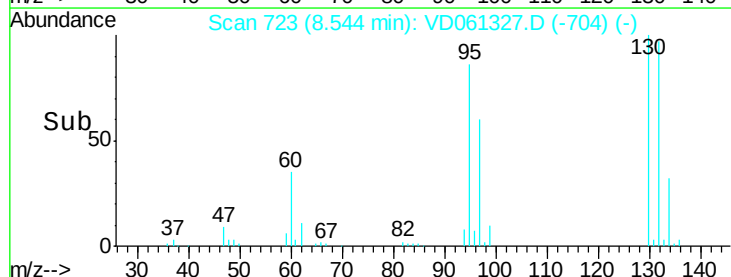
60000

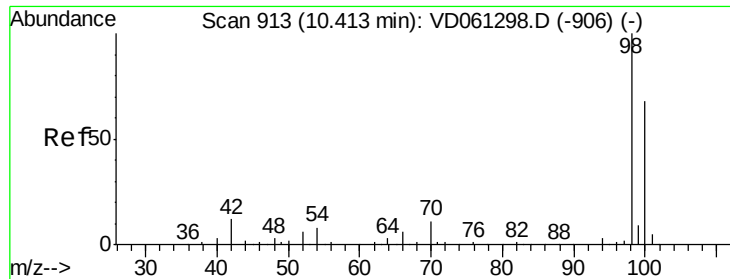
40000

20000

0

Time--> 8.40 8.50 8.60 8.70

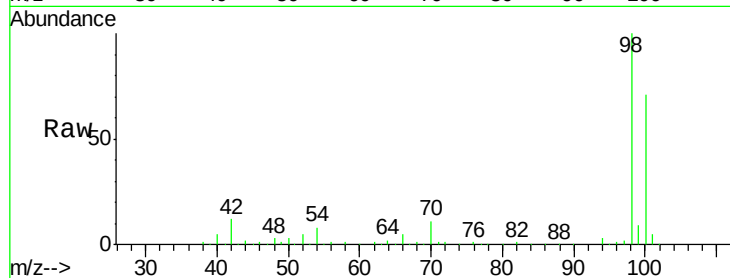




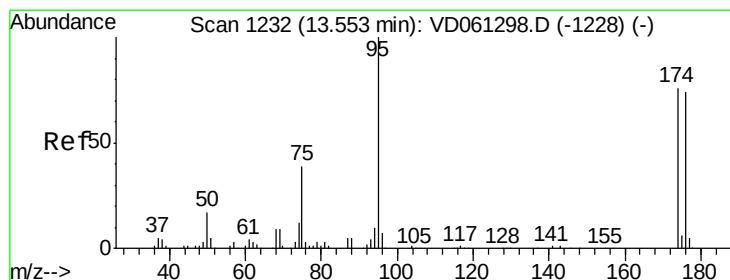
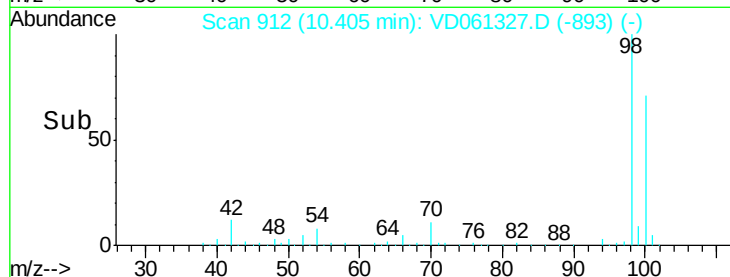
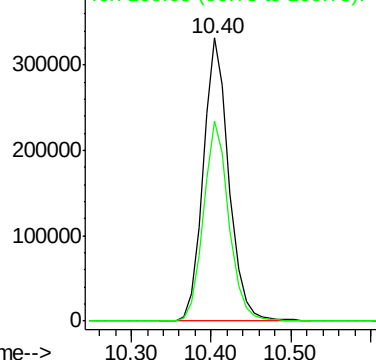
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061327.D
Acq: 26 Mar 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
WP022SB440-190318-(23-25)

Tot Ion: 98 Resp: 743038
Ion Ratio Lower Upper
98 100
100 70.6 55.4 83.0

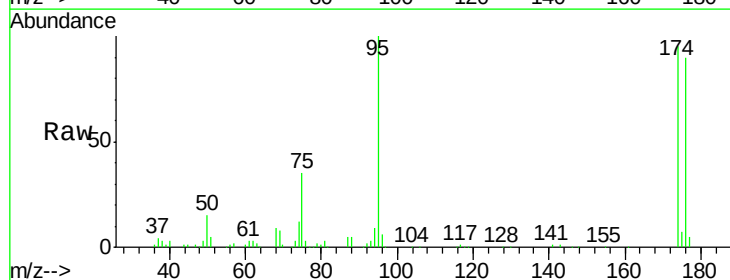


Abundance Ion 98.05 (97.75 to 98.75): VD061298.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061298.D (-906) (-)

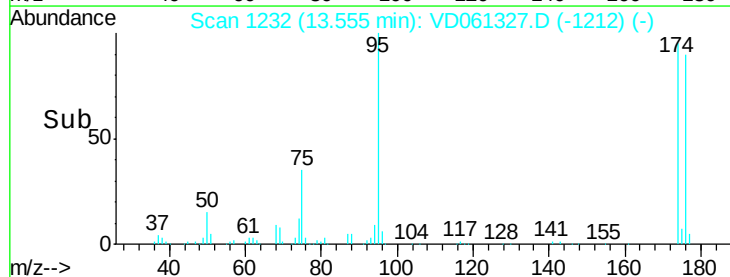
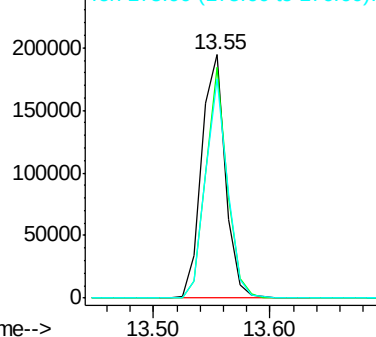


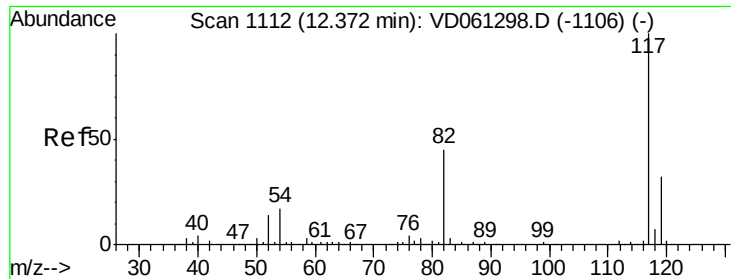
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061327.D
Acq: 26 Mar 2019 5:14

Tgt Ion: 95 Resp: 274025
Ion Ratio Lower Upper
95 100
174 94.8 0.0 151.8
176 89.9 0.0 148.0



Abundance Ion 95.00 (94.70 to 95.70): VD061298.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061298.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061298.D (-1228) (-)

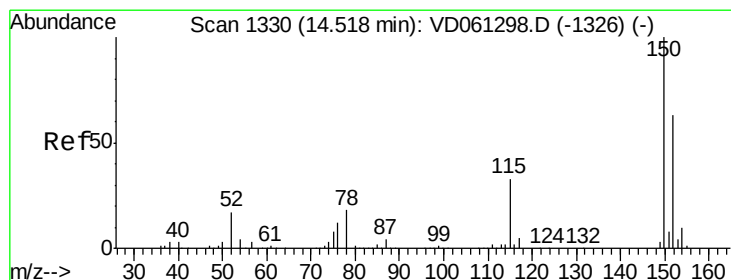
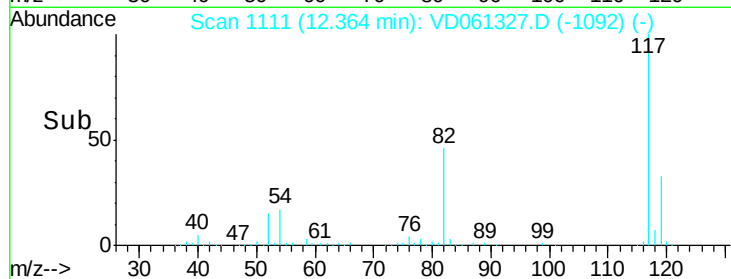
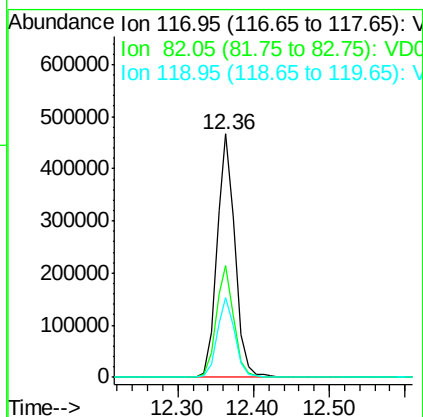
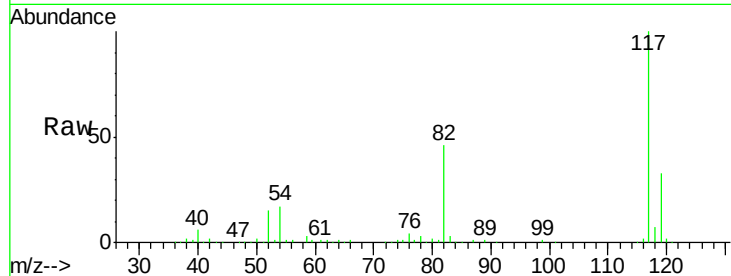




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061327.D
Acq: 26 Mar 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
WP022SB440-190318-(23-25)

Tot Ion:117 Resp: 774104
Ion Ratio Lower Upper
117 100
82 45.8 35.7 53.5
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061327.D
Acq: 26 Mar 2019 5:14

Tgt Ion:152 Resp: 338503
Ion Ratio Lower Upper
152 100
115 49.9 29.2 87.6
150 156.5 0.0 319.6

