

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061328.D
 Acq On : 26 Mar 2019 5:42
 Operator : VA/AP
 Sample : K2047-01
 Misc : 5.86g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB432-190320-(26-28)

Quant Time: Mar 26 07:33:27 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	566264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	969110	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	777095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	313076	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	207607	42.49	ug/l	0.00
Spiked Amount			Recovery	=	84.98%	
35) Dibromofluoromethane	6.93	113	327206	44.12	ug/l	0.00
Spiked Amount			Recovery	=	88.24%	
50) Toluene-d8	10.41	98	702836	39.09	ug/l	0.00
Spiked Amount			Recovery	=	78.18%	
62) 4-Bromofluorobenzene	13.55	95	254288	36.25	ug/l	0.00
Spiked Amount			Recovery	=	72.50%	

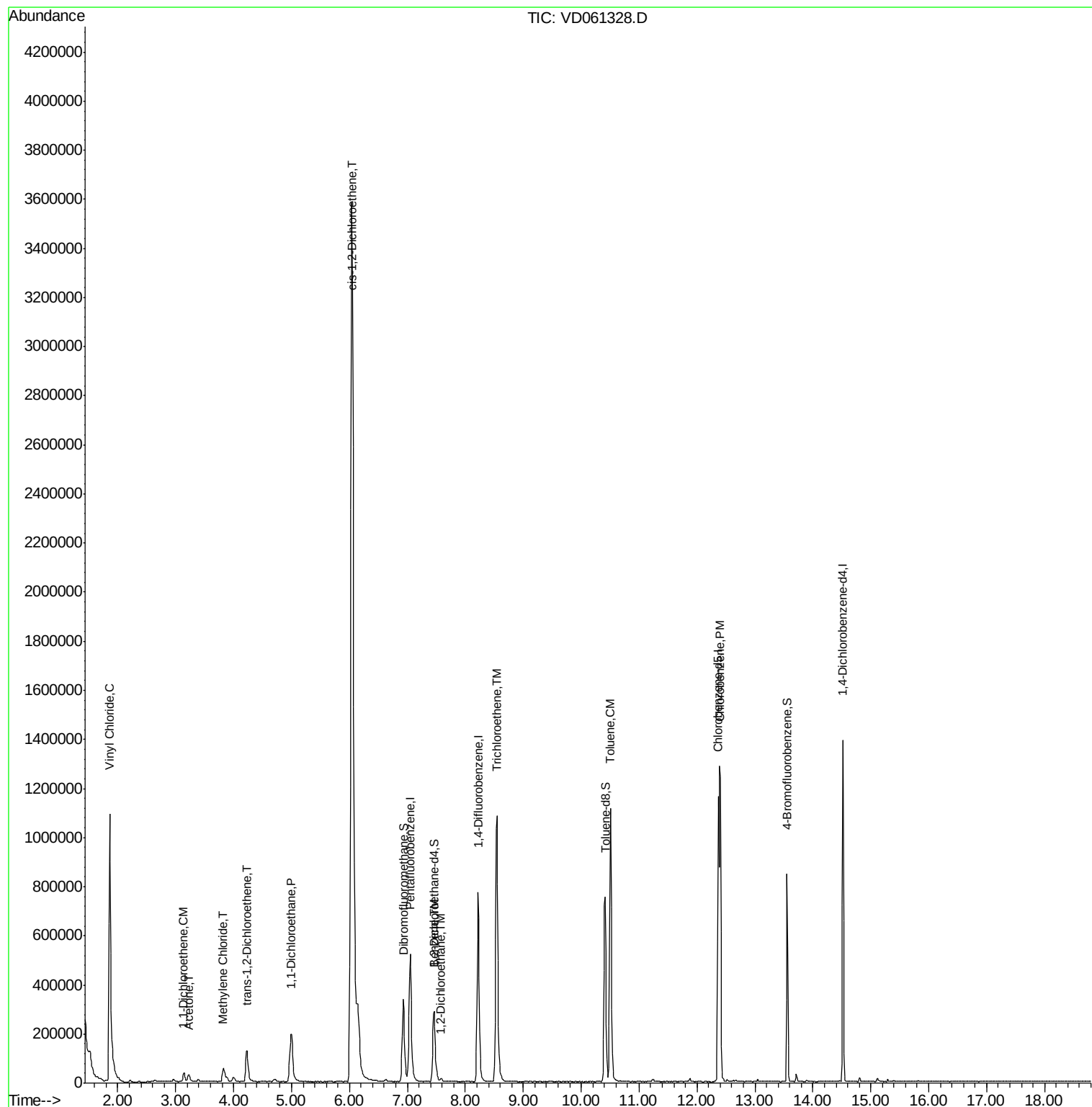
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	1493180	353.596	ug/l	97
12) 1,1-Dichloroethene	3.14	96	22118	4.046	ug/l	98
16) Acetone	3.23	43	58750	50.274	ug/l	95
20) Methylene Chloride	3.83	84	42977	6.480	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	88861	14.530	ug/l	95
24) 1,1-Dichloroethane	4.99	63	365559	38.398	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	3088437	469.259	ug/l	95
40) Benzene	7.46	78	96152	4.883	ug/l	99
42) 1,2-Dichloroethane	7.59	62	12258	1.997	ug/l	96
44) Trichloroethene	8.54	130	566093	79.489	ug/l	100
52) Toluene	10.50	92	660486	54.817	ug/l	98
65) Chlorobenzene	12.40	112	807369	56.406	ug/l	100

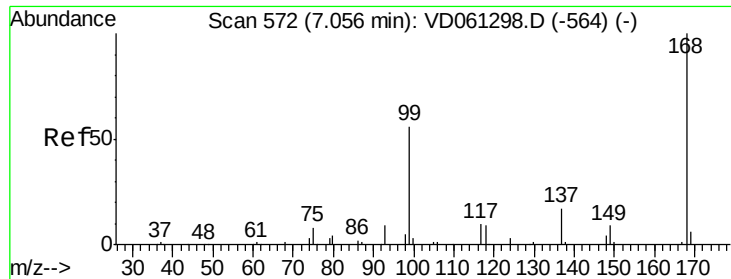
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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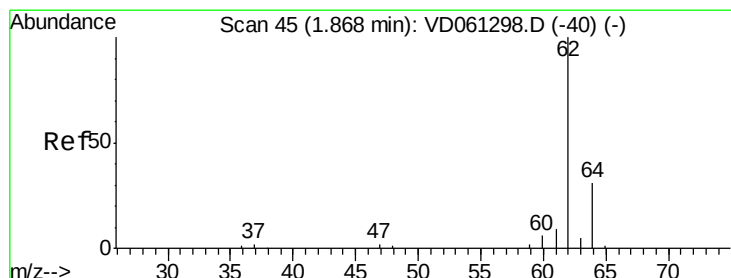
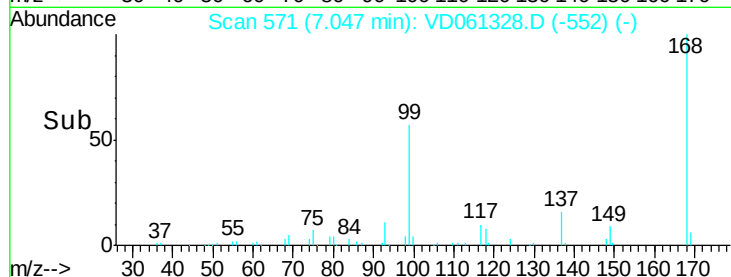
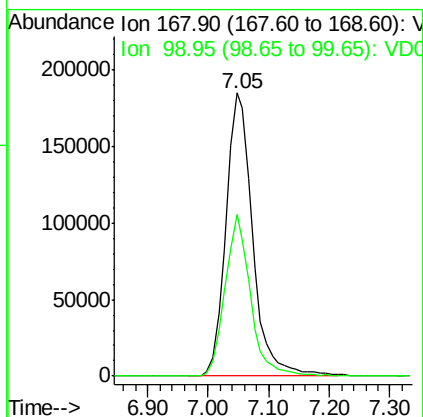
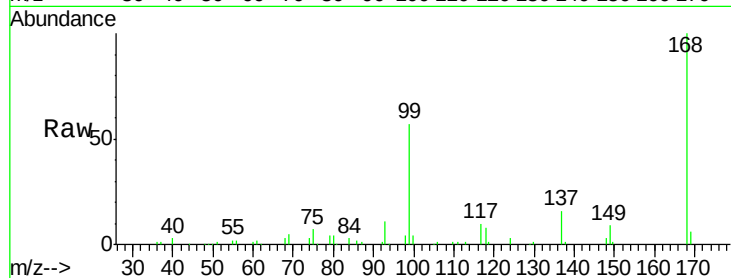




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.01 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

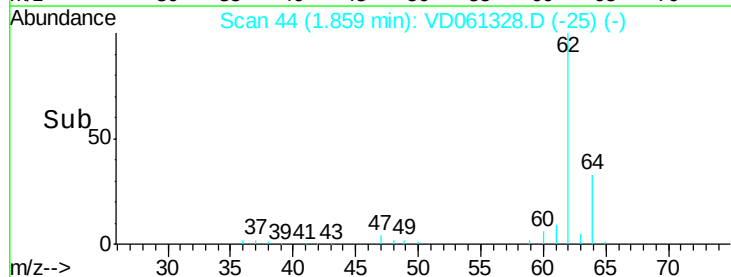
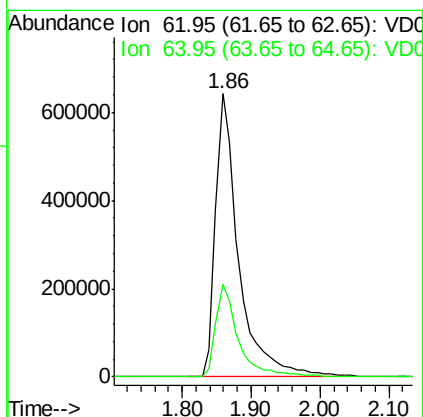
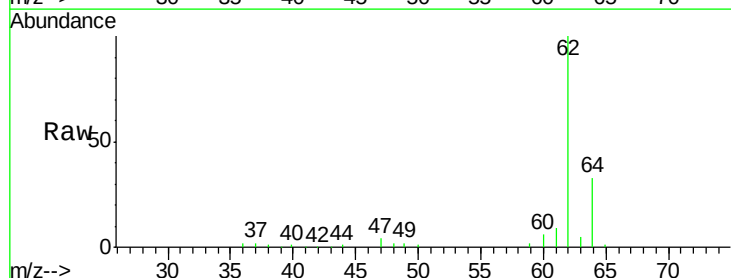
Instrument :
MSVOA_D
ClientSampleId :
WP022SB432-190320-(26-28)

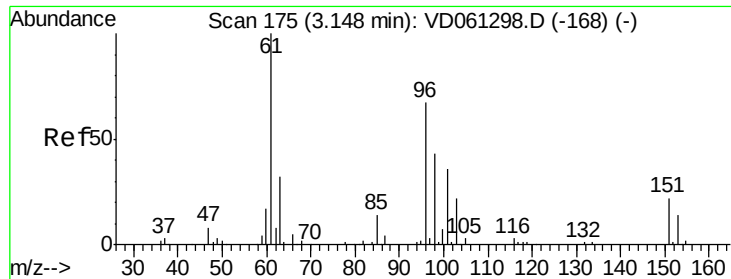
Tot Ion:168 Resp: 566264
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.8



#4
Vinyl Chloride
Concen: 353.596 ug/l
RT: 1.86 min Scan# 44
Delta R.T. -0.01 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Tgt Ion: 62 Resp: 1493180
Ion Ratio Lower Upper
62 100
64 33.0 25.1 37.7





#12

1,1-Dichloroethene

Concen: 4.046 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061328.D

Acq: 26 Mar 2019 5:42

Instrument :

MSVOA_D

ClientSampleId :

WP022SB432-190320-(26-28)

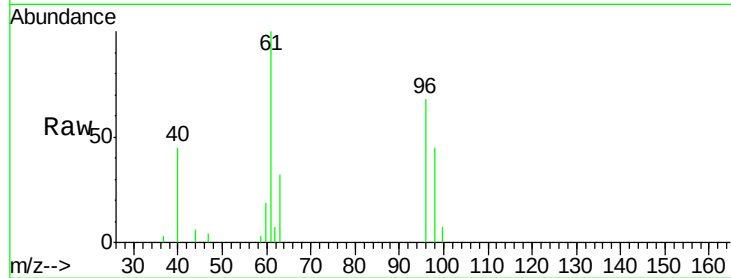
Tot Ion: 96 Resp: 22118

Ion Ratio Lower Upper

96 100

61 146.7 120.2 180.2

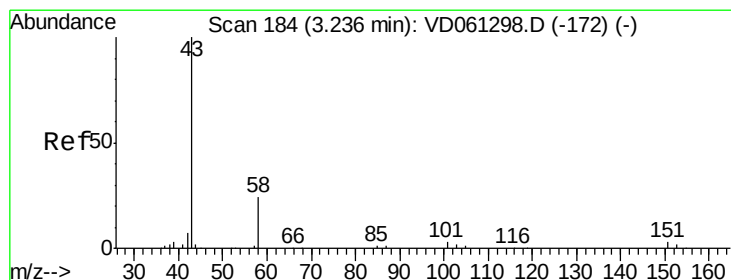
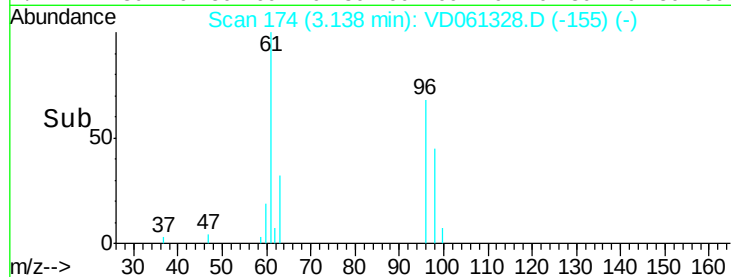
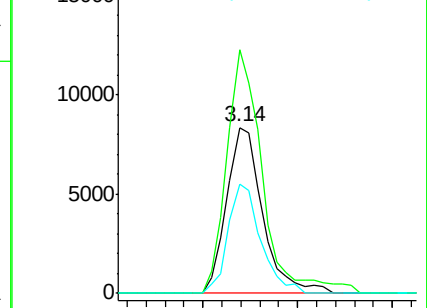
98 65.8 52.2 78.4



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



#16

Acetone

Concen: 50.274 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061328.D

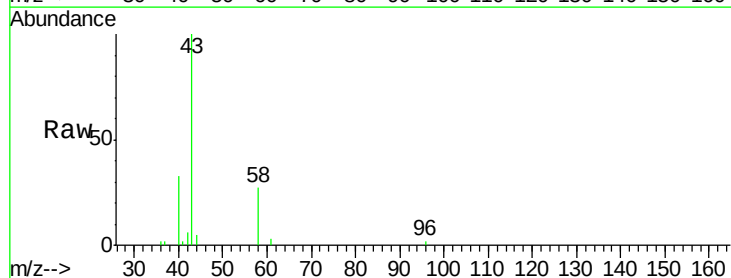
Acq: 26 Mar 2019 5:42

Tgt Ion: 43 Resp: 58750

Ion Ratio Lower Upper

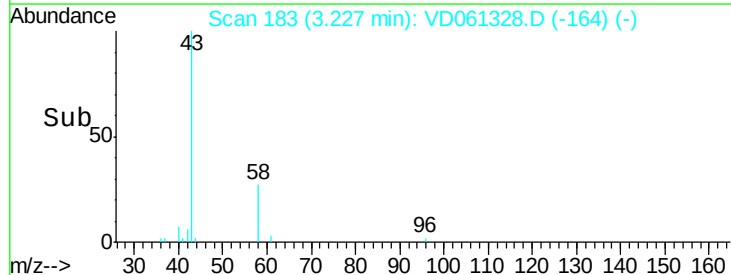
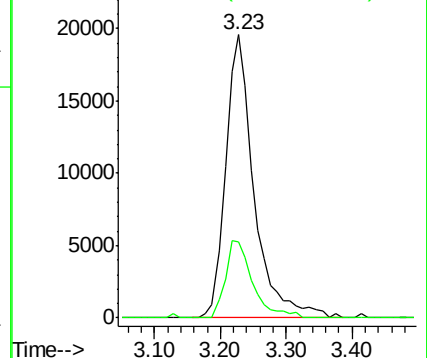
43 100

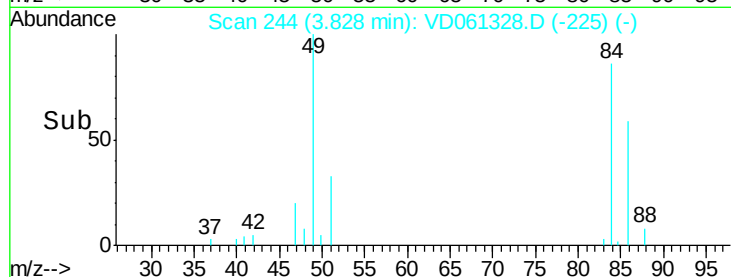
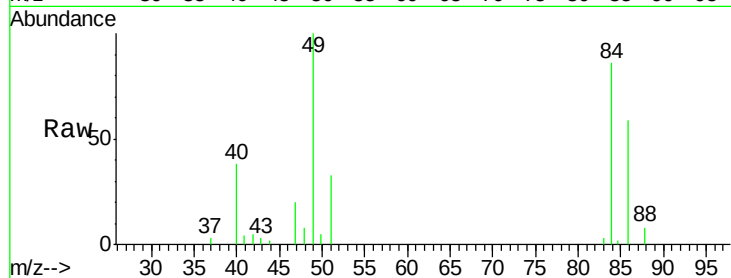
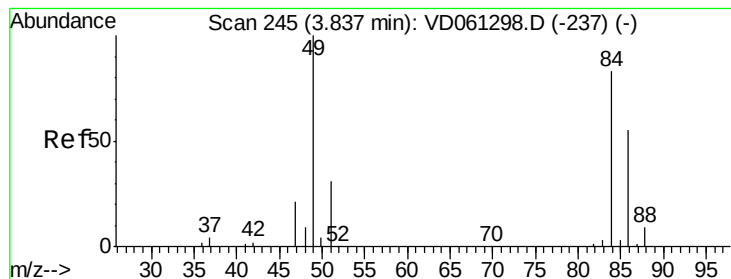
58 26.8 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 6.480 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061328.D

Acq: 26 Mar 2019 5:42

Instrument :

MSVOA_D

ClientSampleId :

WP022SB432-190320-(26-28)

Tot Ion: 84 Resp: 42977

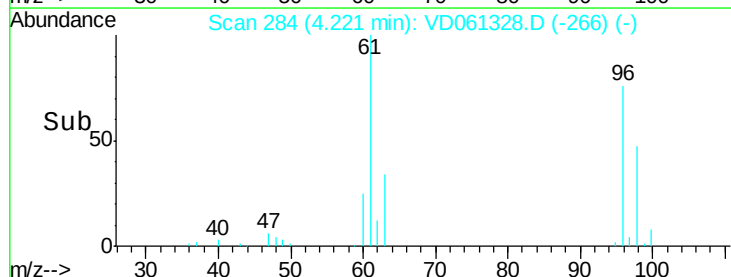
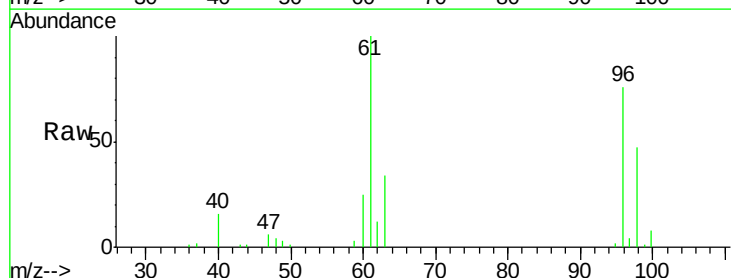
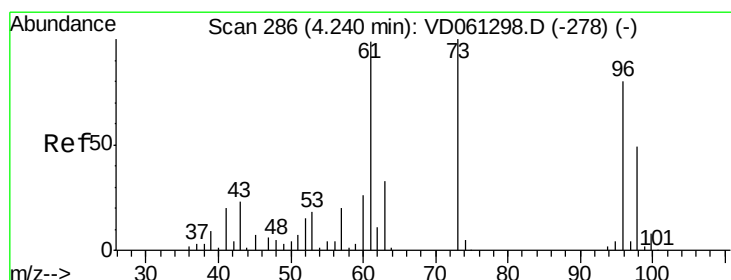
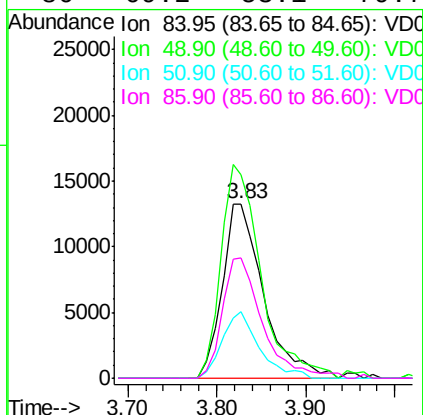
Ion Ratio Lower Upper

84 100

49 116.5 96.8 145.2

51 38.3 29.9 44.9

86 69.2 53.1 79.7



#21

trans-1,2-Dichloroethene

Concen: 14.530 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061328.D

Acq: 26 Mar 2019 5:42

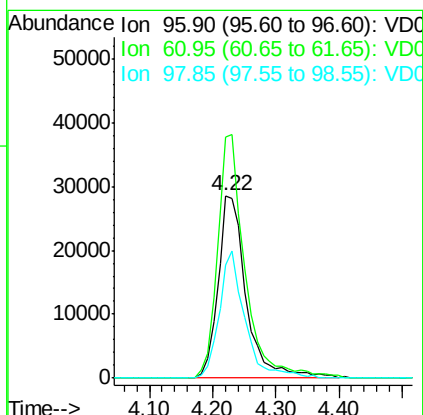
Tgt Ion: 96 Resp: 88861

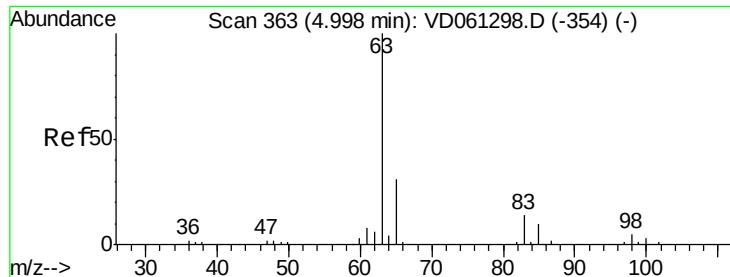
Ion Ratio Lower Upper

96 100

61 132.2 99.2 148.8

98 62.3 49.2 73.8

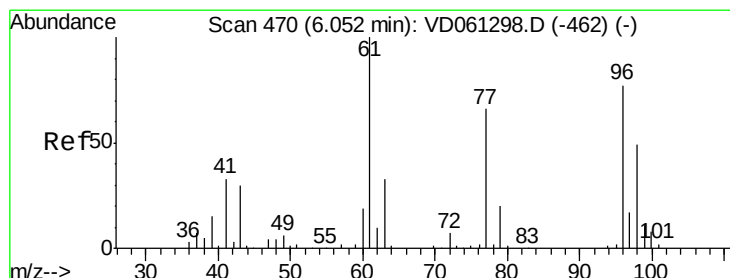
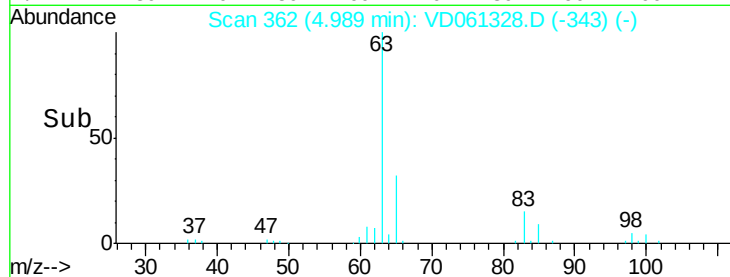
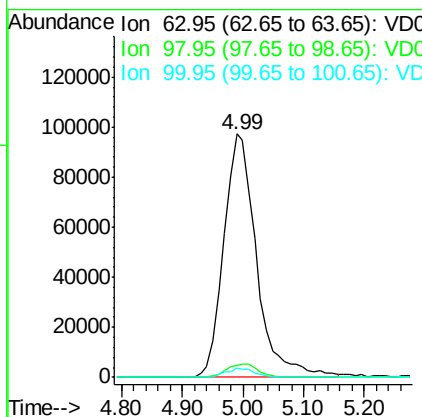
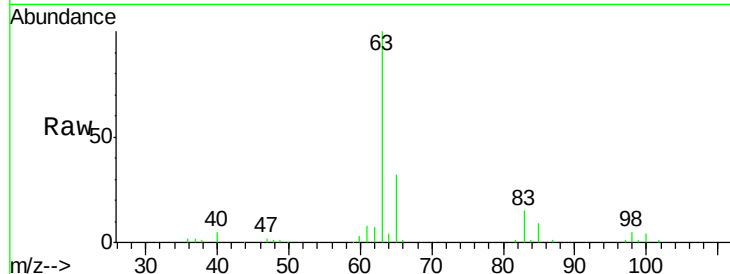




#24
 1,1-Dichloroethane
 Concen: 38.398 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

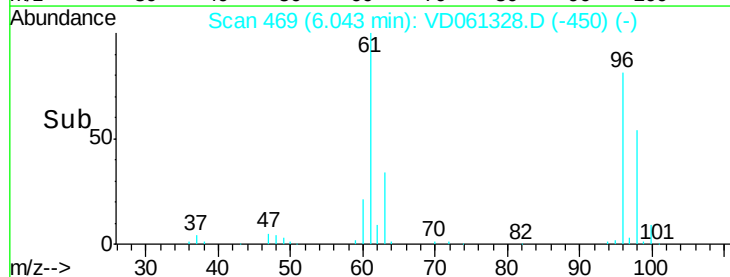
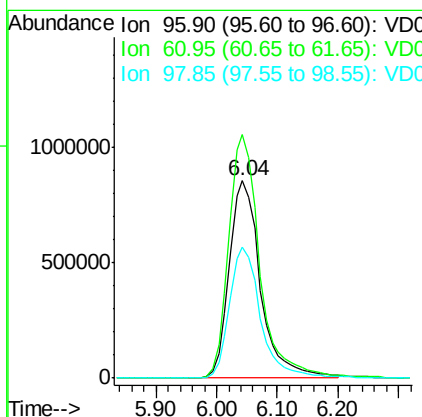
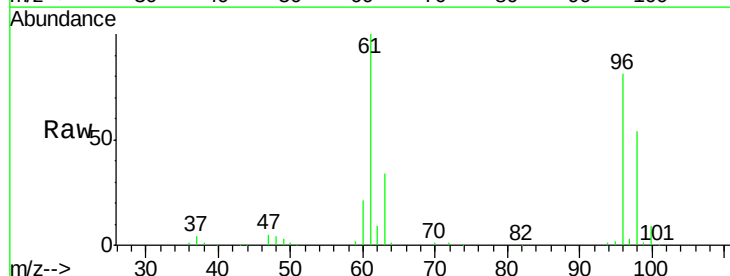
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB432-190320-(26-28)

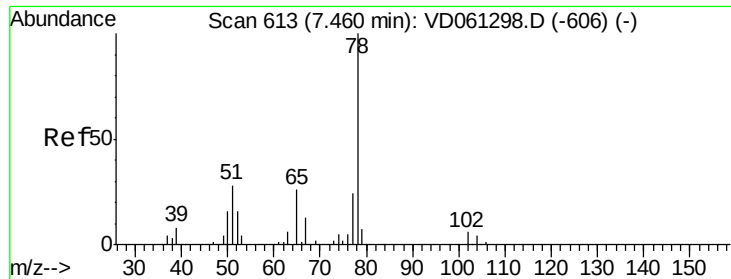
Tot Ion: 63 Resp: 365559
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.8 8.3
 100 4.0 1.6 4.8



#27
 cis-1,2-Dichloroethene
 Concen: 469.259 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

Tgt Ion: 96 Resp: 3088437
 Ion Ratio Lower Upper
 96 100
 61 123.5 0.0 261.0
 98 66.4 0.0 127.6

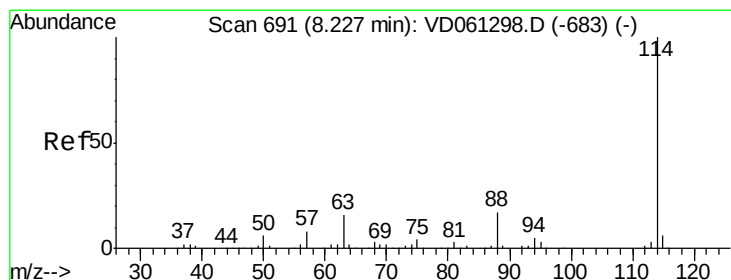
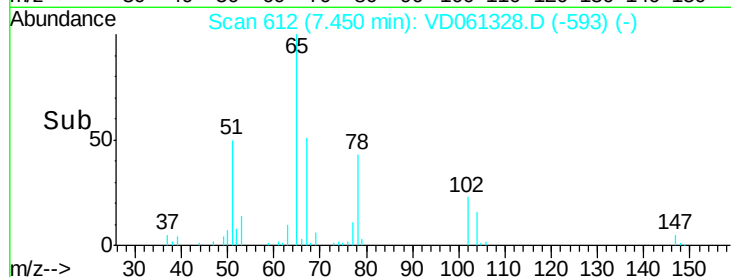
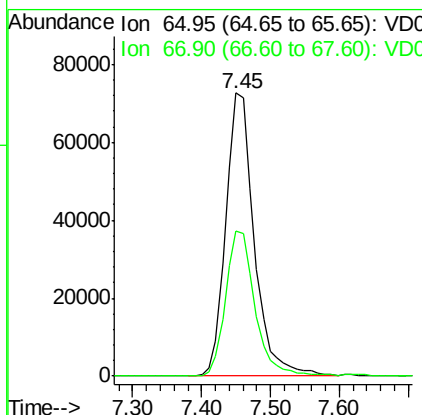
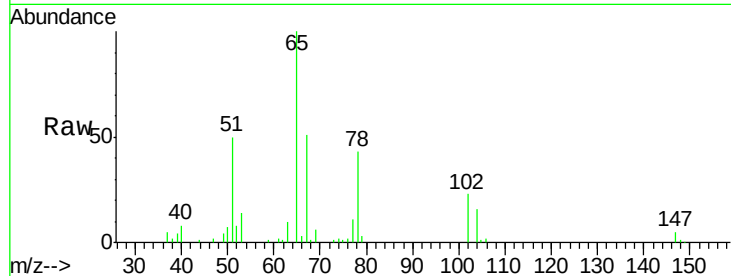




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

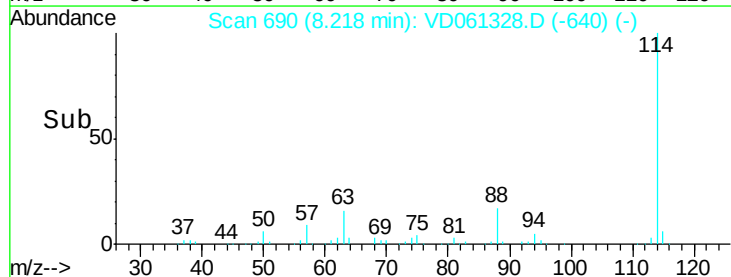
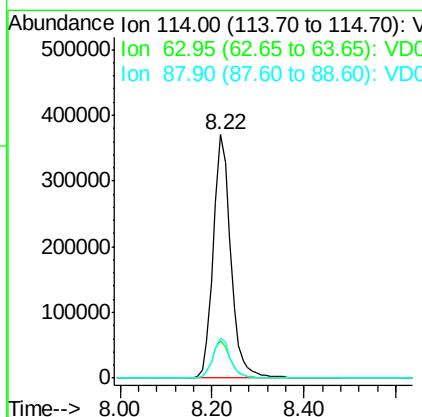
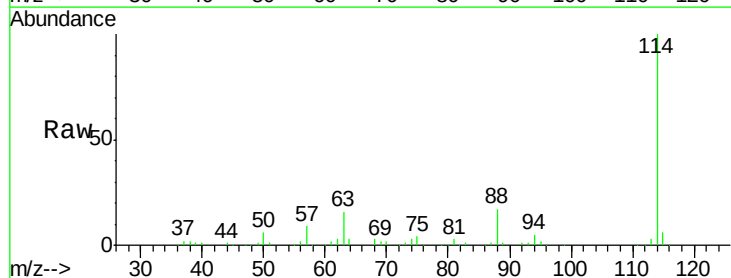
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB432-190320-(26-28)

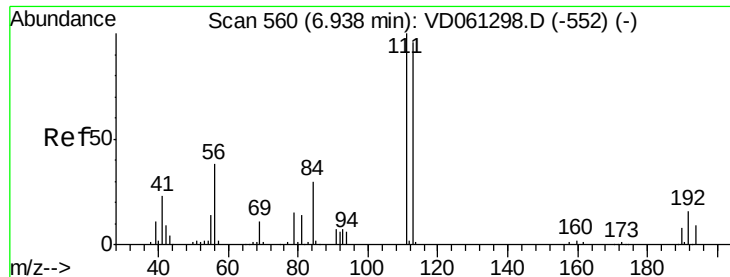
Tot Ion: 65 Resp: 207607
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

Tgt Ion: 114 Resp: 969110
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 16.6 0.0 33.2

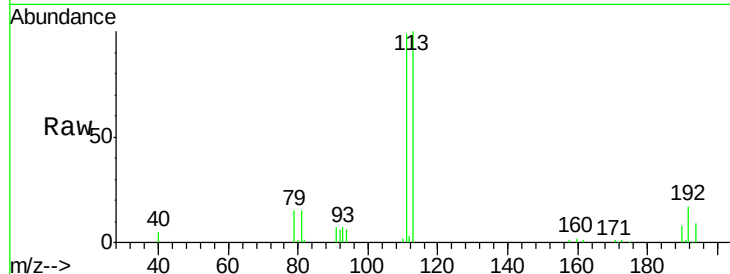




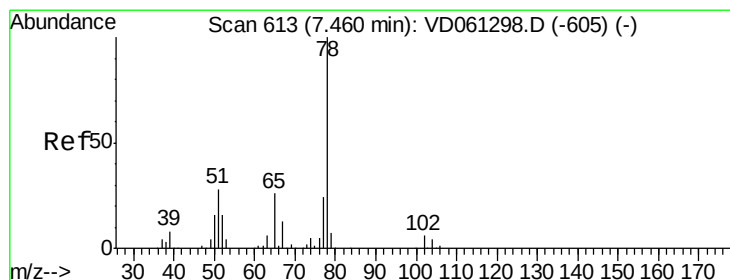
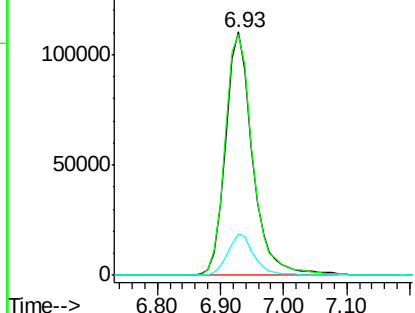
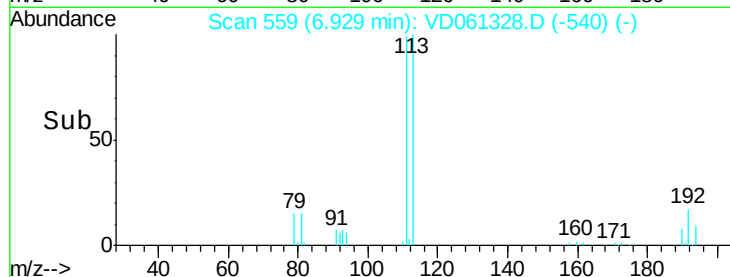
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB432-190320-(26-28)

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	83.7	125.5
192	16.7	13.4	20.0

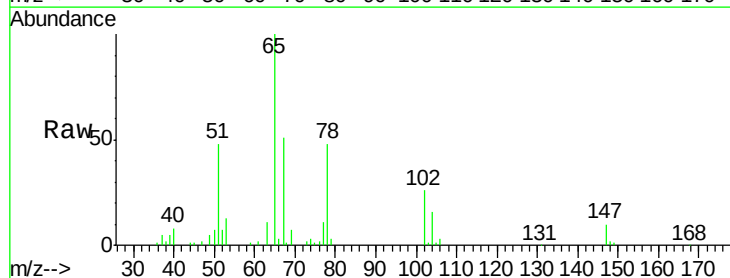


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

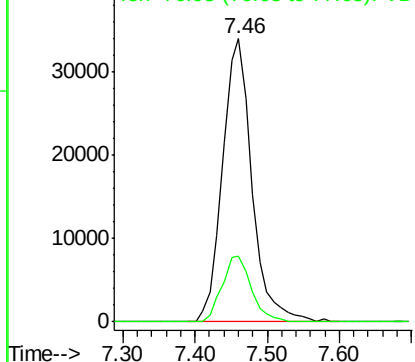
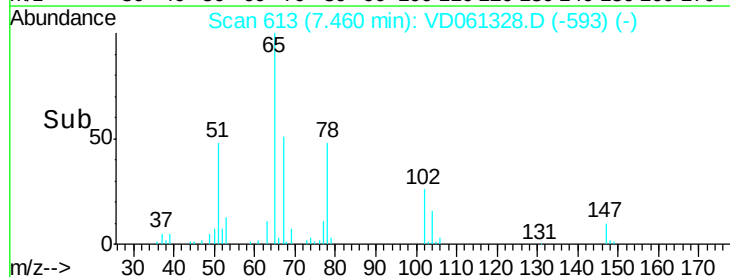


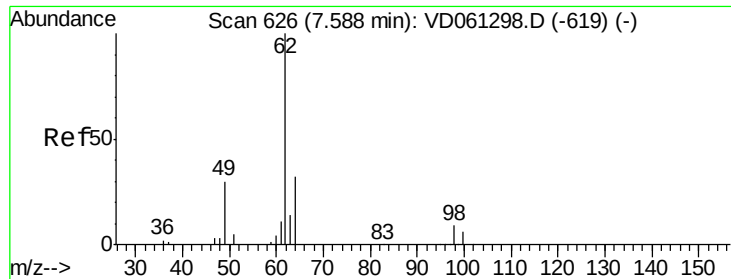
#40
 Benzene
 Concen: 4.883 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061328.D
 Acq: 26 Mar 2019 5:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
 Ion 76.95 (76.65 to 77.65): VDC





#42

1,2-Dichloroethane

Concen: 1.997 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.00 min

Lab File: VD061328.D

Acq: 26 Mar 2019 5:42

Instrument :

MSVOA_D

ClientSampleId :

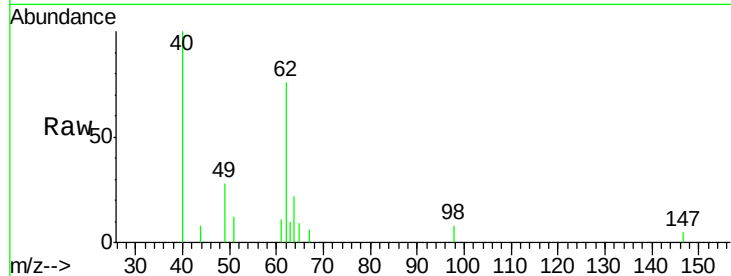
WP022SB432-190320-(26-28)

Tot Ion: 62 Resp: 12258

Ion Ratio Lower Upper

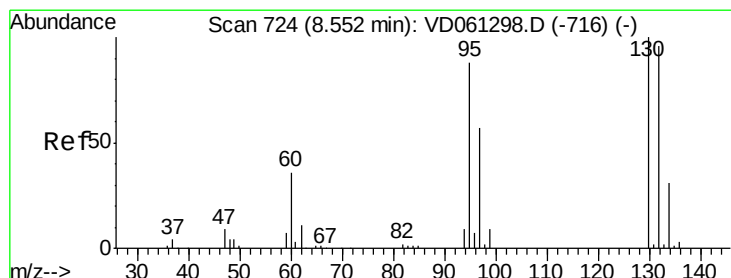
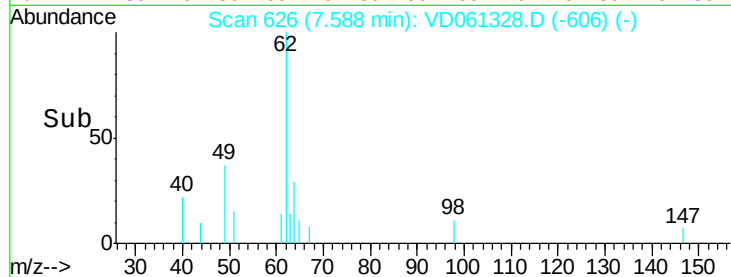
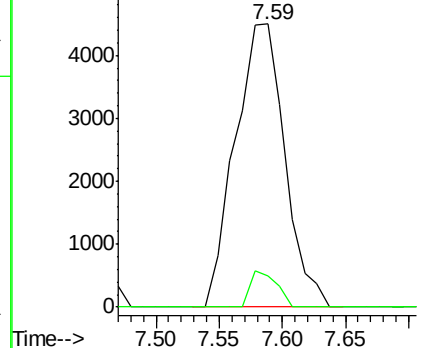
62 100

98 10.9 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#44

Trichloroethene

Concen: 79.489 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061328.D

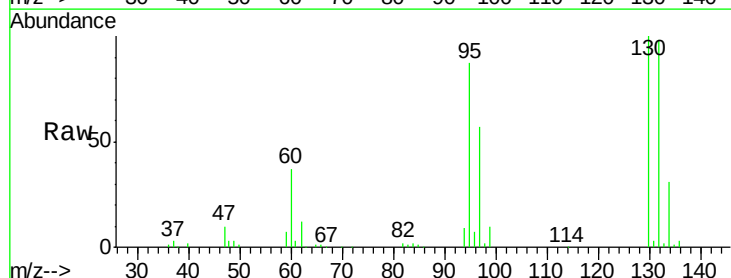
Acq: 26 Mar 2019 5:42

Tgt Ion:130 Resp: 566093

Ion Ratio Lower Upper

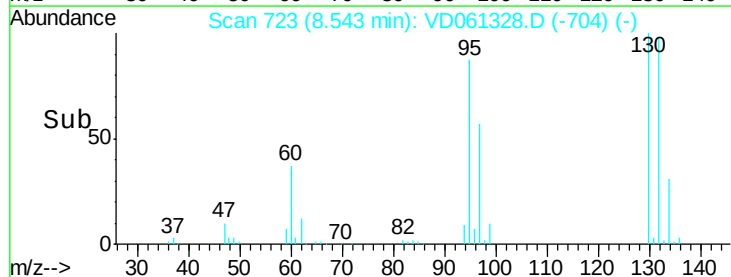
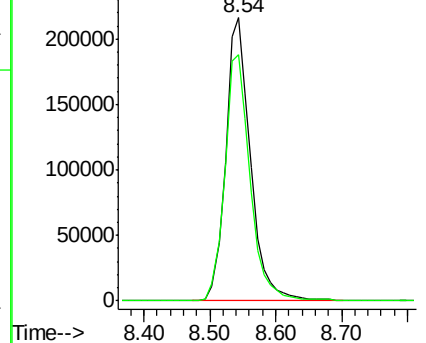
130 100

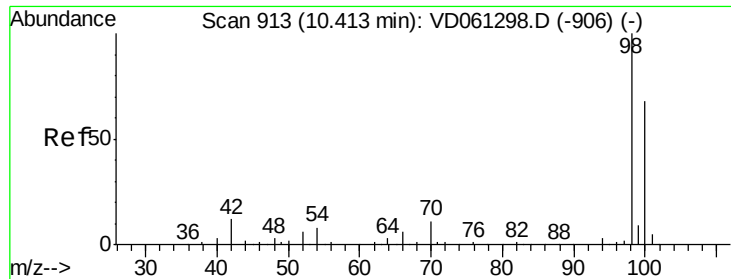
95 87.2 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

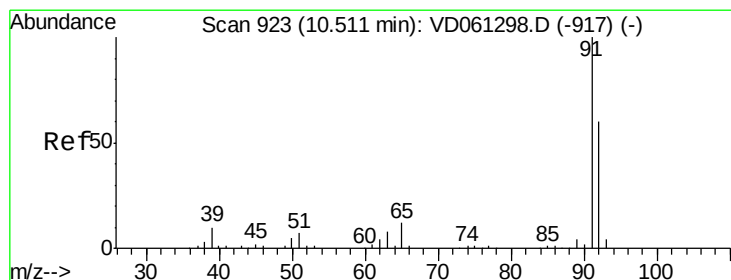
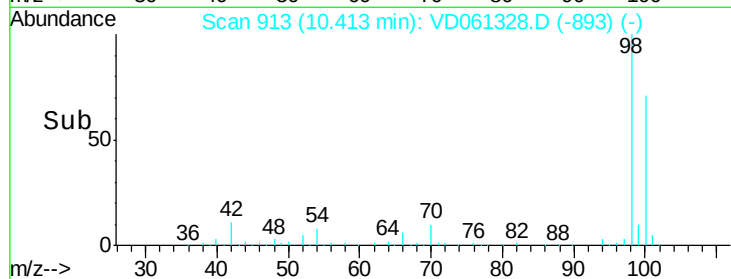
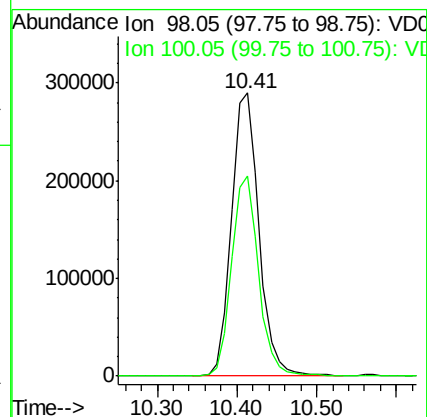
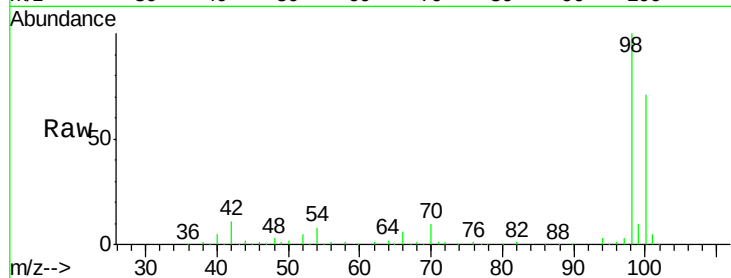




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

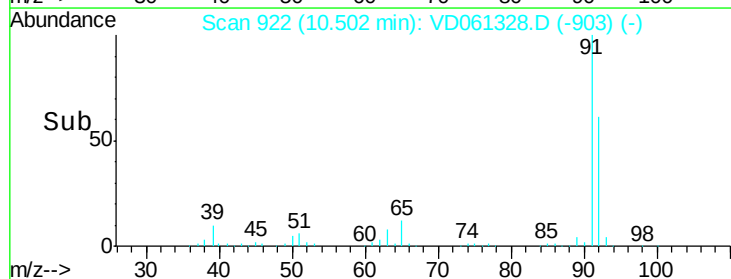
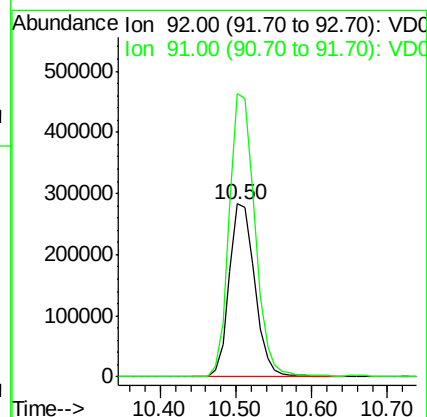
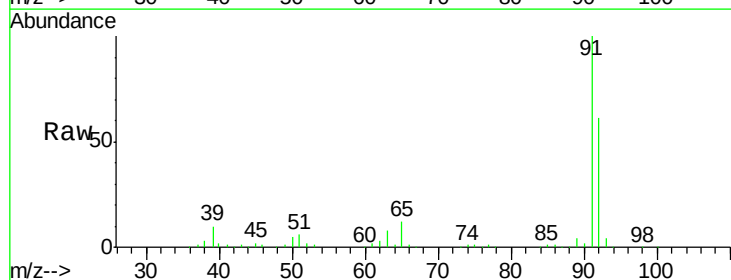
Instrument :
MSVOA_D
ClientSampleId :
WP022SB432-190320-(26-28)

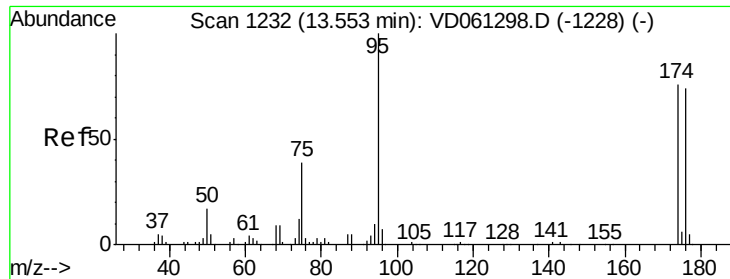
Tot Ion: 98 Resp: 702836
Ion Ratio Lower Upper
98 100
100 70.6 55.4 83.0



#52
Toluene
Concen: 54.817 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Tgt Ion: 92 Resp: 660486
Ion Ratio Lower Upper
92 100
91 163.9 133.1 199.7

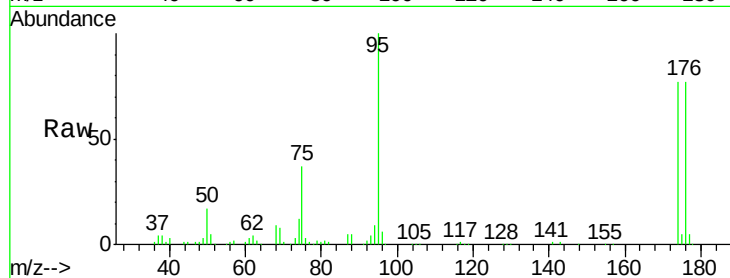




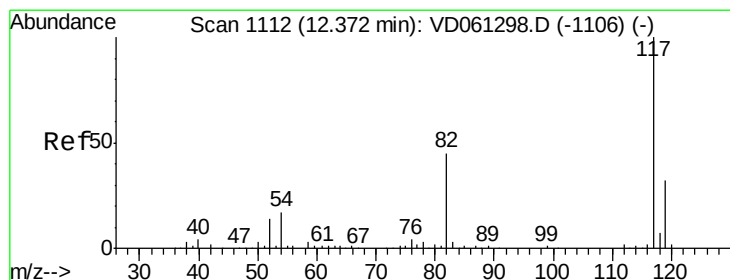
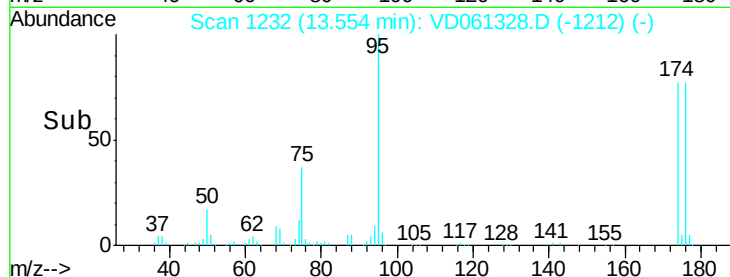
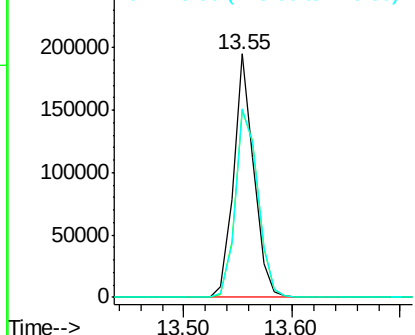
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Instrument :
MSVOA_D
ClientSampleId :
WP022SB432-190320-(26-28)

Tot Ion: 95 Resp: 254288
Ion Ratio Lower Upper
95 100
174 76.9 0.0 151.8
176 77.4 0.0 148.0

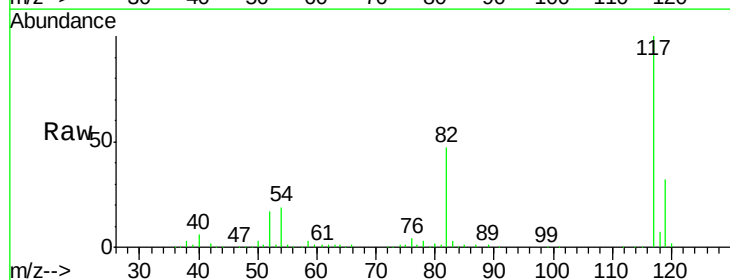


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

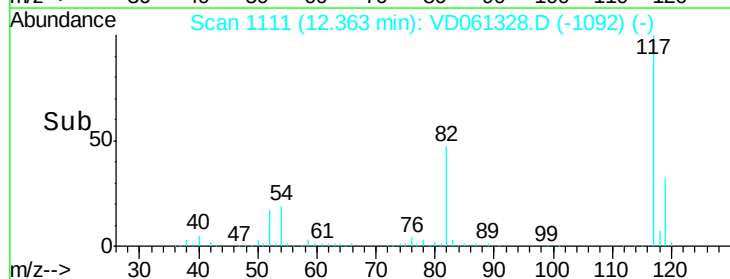
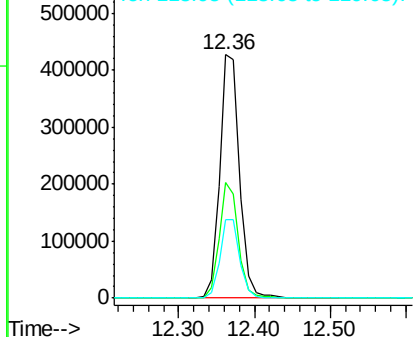


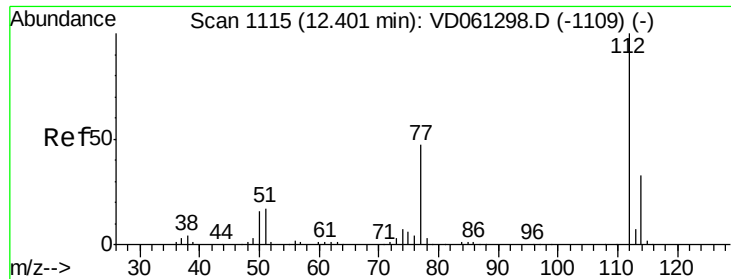
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Tgt Ion: 117 Resp: 777095
Ion Ratio Lower Upper
117 100
82 47.5 35.7 53.5
119 32.3 25.9 38.9



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

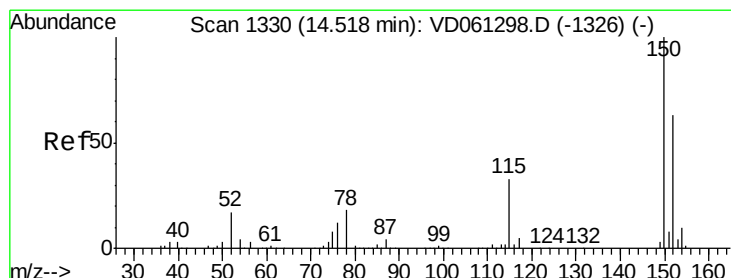
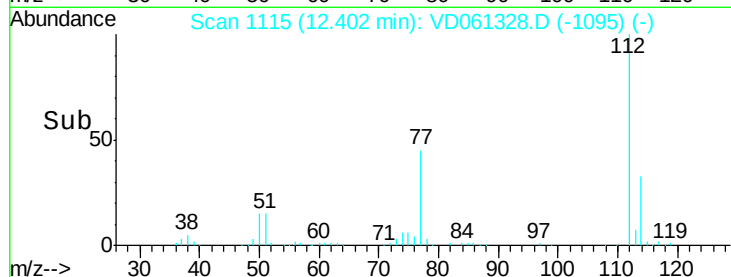
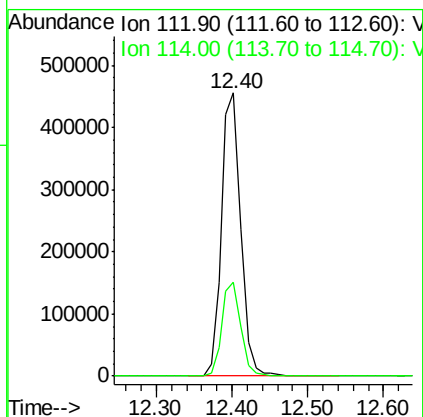
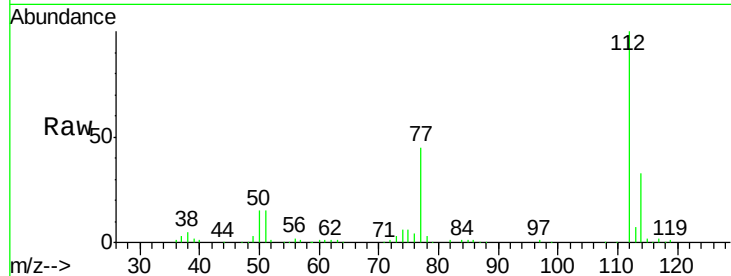




#65
Chlorobenzene
Concen: 56.406 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Instrument :
MSVOA_D
ClientSampleId :
WP022SB432-190320-(26-28)

Tot Ion:112 Resp: 807369
Ion Ratio Lower Upper
112 100
114 33.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061328.D
Acq: 26 Mar 2019 5:42

Tgt Ion:152 Resp: 313076
Ion Ratio Lower Upper
152 100
115 56.5 29.2 87.6
150 156.6 0.0 319.6

