

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061311.D
 Acq On : 25 Mar 2019 19:30
 Operator : VA/AP
 Sample : K2043-07
 Misc : 6.40g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)

Quant Time: Mar 26 05:44:53 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	530835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	945825	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	683605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	220061	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	184477	40.28	ug/l	0.00
Spiked Amount			Recovery	=	80.56%	
35) Dibromofluoromethane	6.92	113	306198	42.31	ug/l	-0.02
Spiked Amount			Recovery	=	84.62%	
50) Toluene-d8	10.40	98	666892	38.00	ug/l	0.00
Spiked Amount			Recovery	=	76.00%	
62) 4-Bromofluorobenzene	13.55	95	226283	33.05	ug/l	0.00
Spiked Amount			Recovery	=	66.10%	

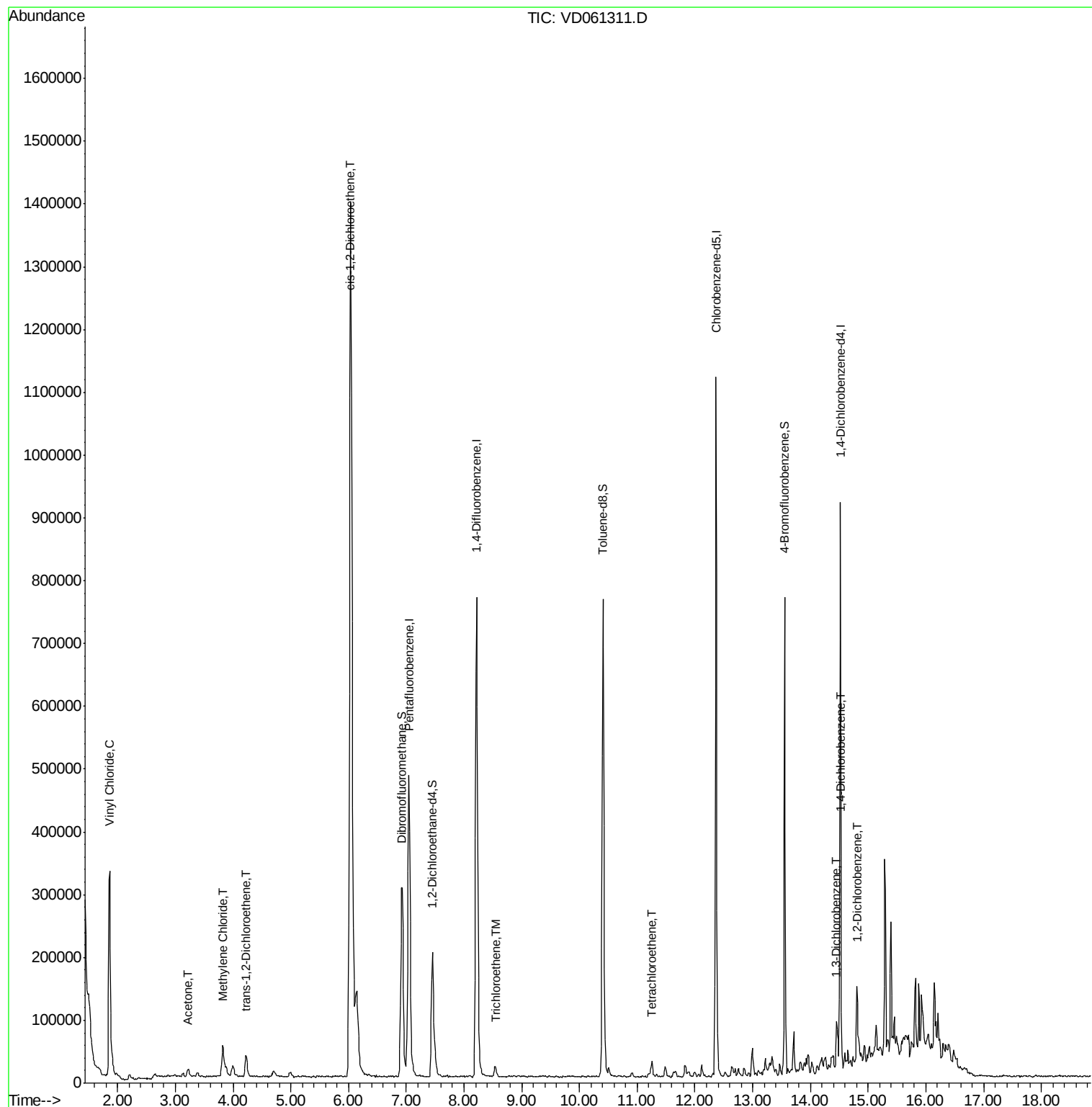
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	449399	113.524	ug/l	98
16) Acetone	3.22	43	26882	24.539	ug/l	95
20) Methylene Chloride	3.82	84	38637	6.214	ug/l	88
21) trans-1,2-Dichloroethene	4.22	96	22113	3.857	ug/l	89
27) cis-1,2-Dichloroethene	6.03	96	1133415	183.706	ug/l	95
44) Trichloroethene	8.54	130	7997	1.151	ug/l	91
64) Tetrachloroethene	11.25	164	6746	1.433	ug/l	88
87) 1,3-Dichlorobenzene	14.45	146	22265	3.142	ug/l	89
88) 1,4-Dichlorobenzene	14.54	146	10389	1.513	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	32108	5.678	ug/l	93

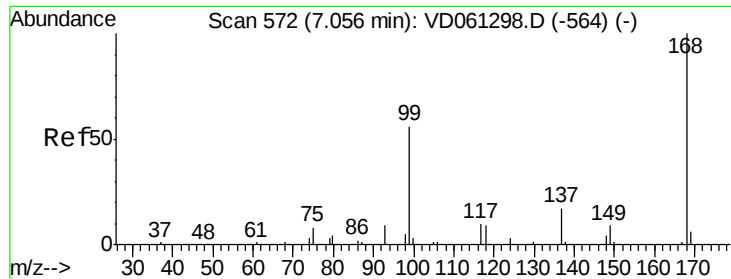
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

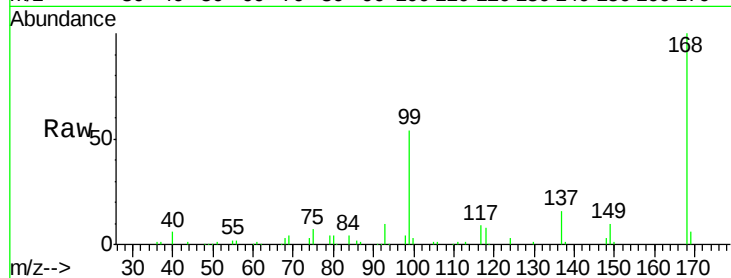
WP022SB441-190319-(23-25)

Tot Ion:168 Resp: 530835

Ion Ratio Lower Upper

168 100

99 53.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

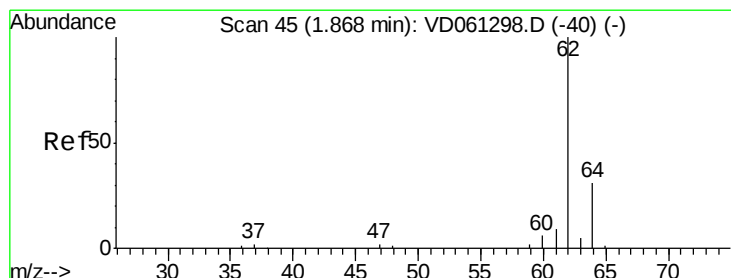
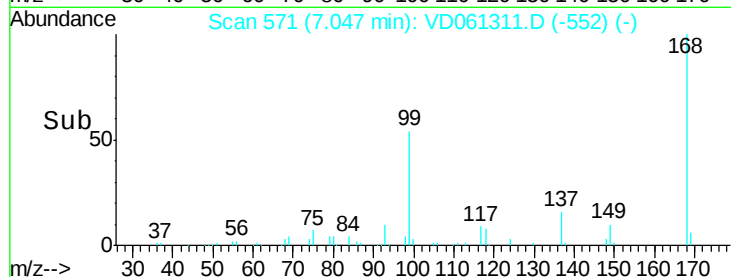
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#4

Vinyl Chloride

Concen: 113.524 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061311.D

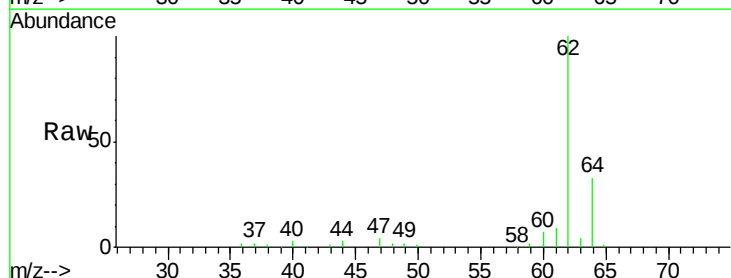
Acq: 25 Mar 2019 19:30

Tgt Ion: 62 Resp: 449399

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

200000

150000

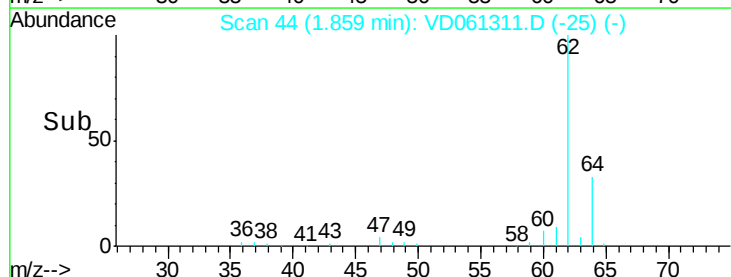
100000

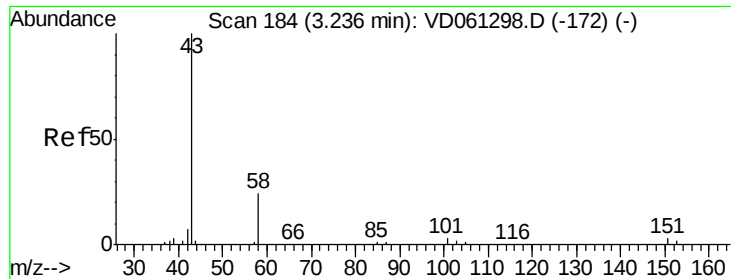
50000

0

1.80 1.90 2.00 2.10

Time-->

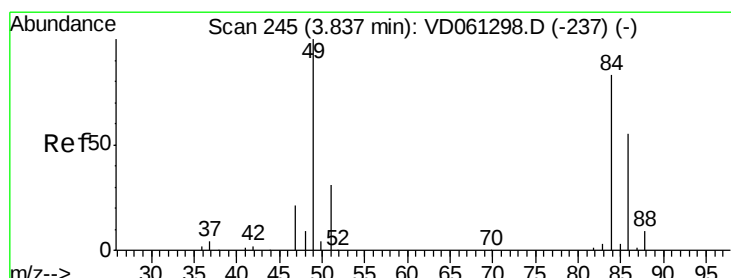
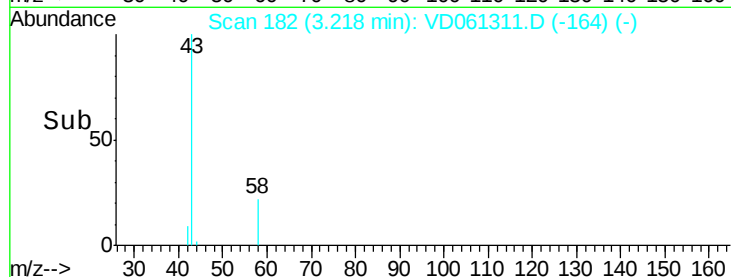
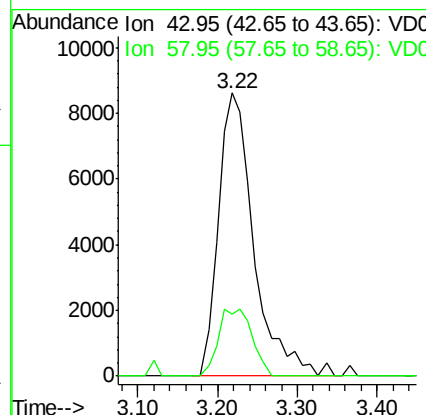
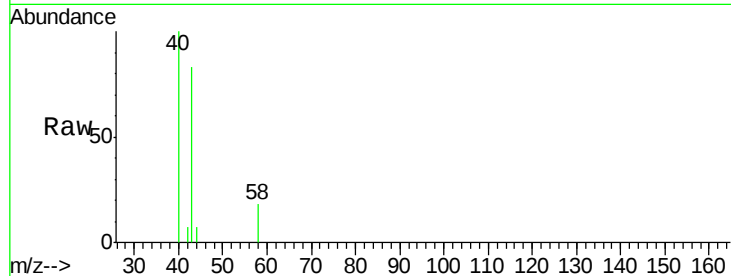




#16
Acetone
Concen: 24.539 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD061311.D
Acq: 25 Mar 2019 19:30

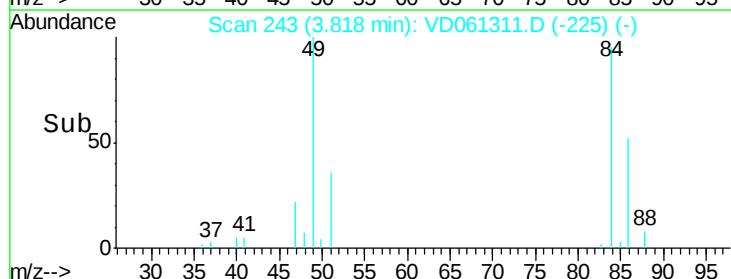
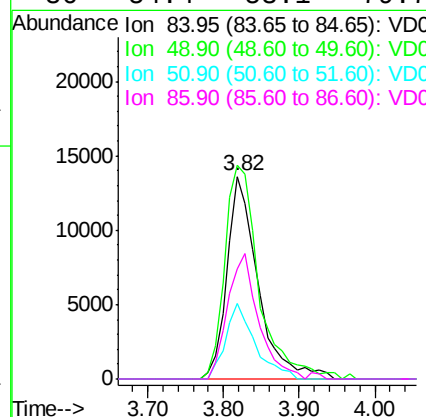
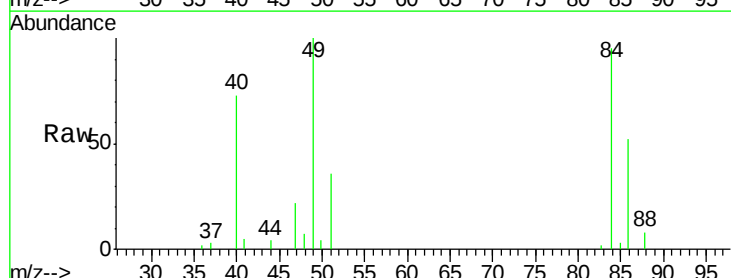
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MSVOA_D
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WP022SB441-190319-(23-25)

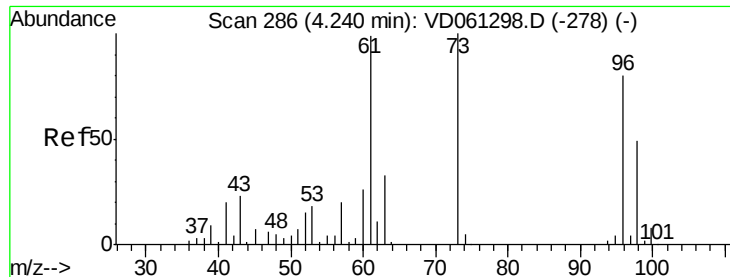
Tot Ion: 43 Resp: 26882
Ion Ratio Lower Upper
43 100
58 22.0 19.4 29.0



#20
Methylene Chloride
Concen: 6.214 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061311.D
Acq: 25 Mar 2019 19:30

Tgt Ion: 84 Resp: 38637
Ion Ratio Lower Upper
84 100
49 105.6 96.8 145.2
51 37.5 29.9 44.9
86 54.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 3.857 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)

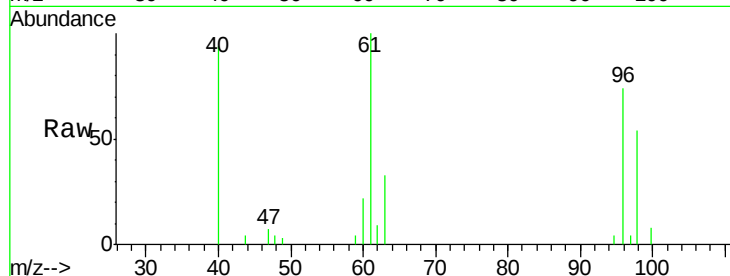
Tot Ion: 96 Resp: 22113

Ion Ratio Lower Upper

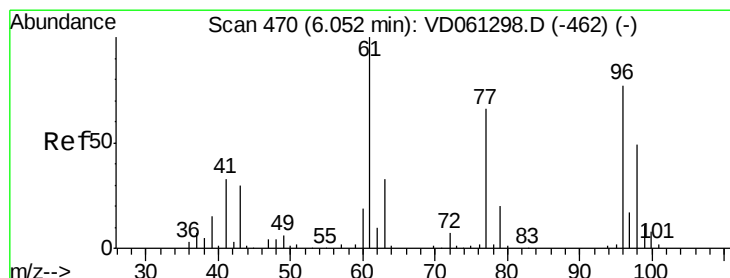
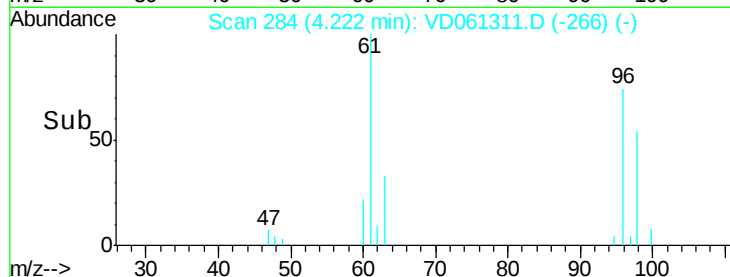
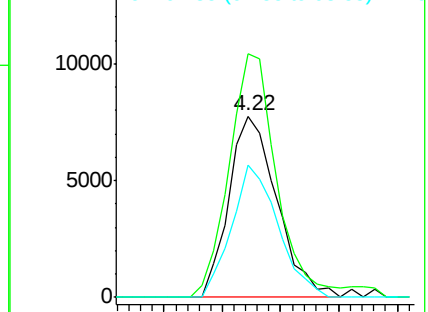
96 100

61 134.5 99.2 148.8

98 72.8 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



#27

cis-1,2-Dichloroethene

Concen: 183.706 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

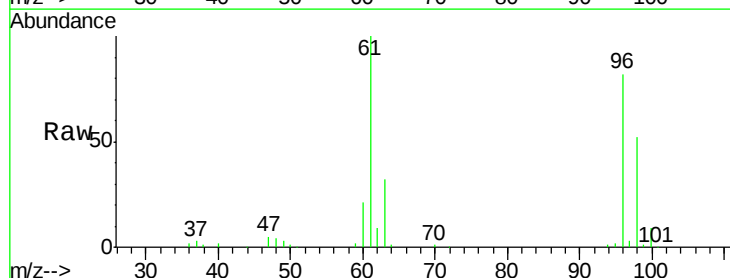
Tgt Ion: 96 Resp: 1133415

Ion Ratio Lower Upper

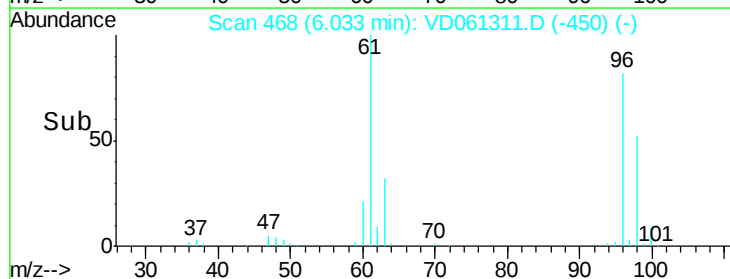
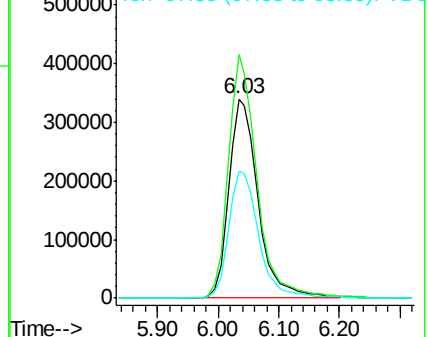
96 100

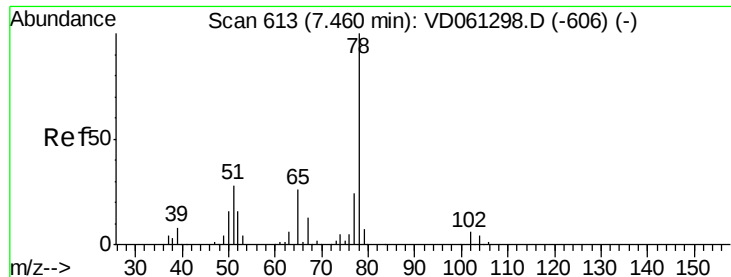
61 122.2 0.0 261.0

98 64.1 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: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

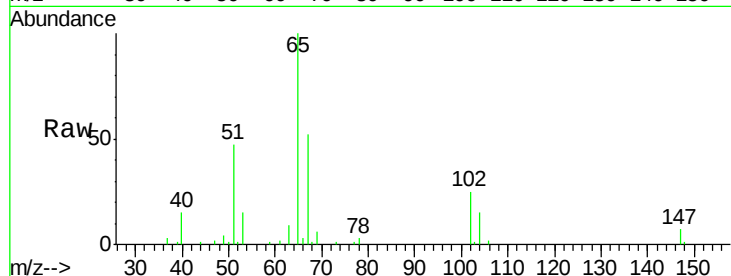
WP022SB441-190319-(23-25)

Tot Ion: 65 Resp: 184477

Ion Ratio Lower Upper

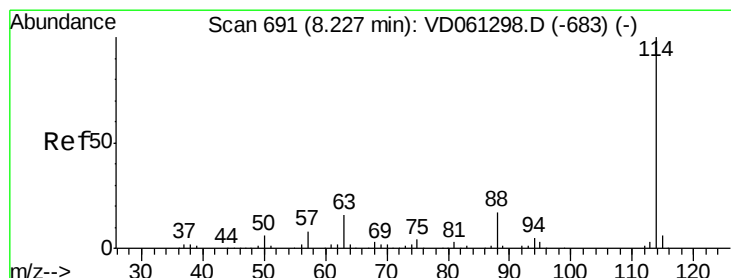
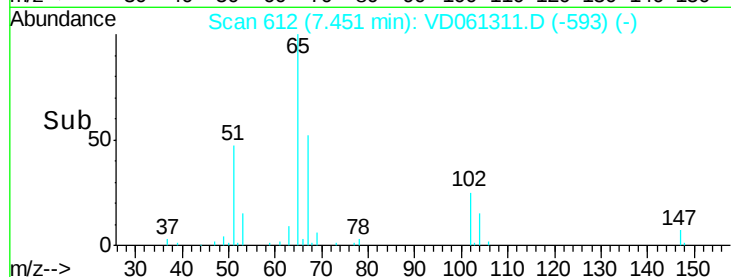
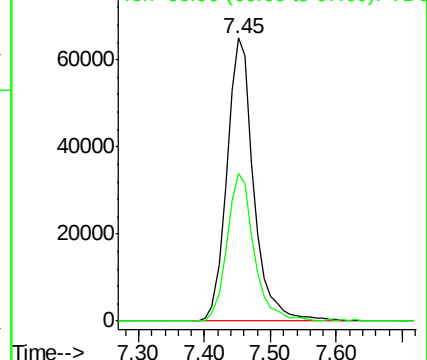
65 100

67 52.2 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: VD061311.D

Acq: 25 Mar 2019 19:30

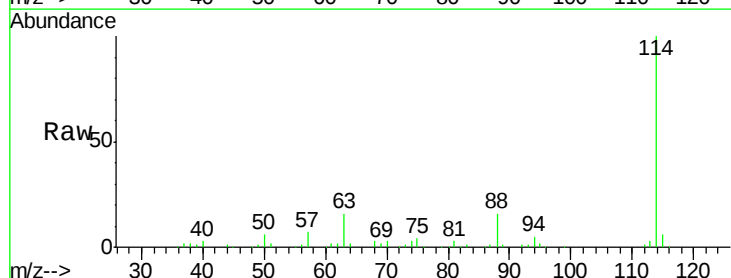
Tgt Ion: 114 Resp: 945825

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

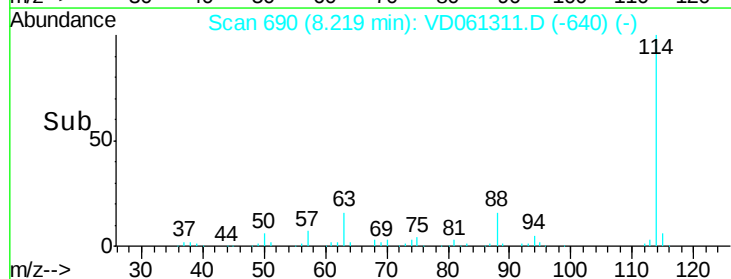
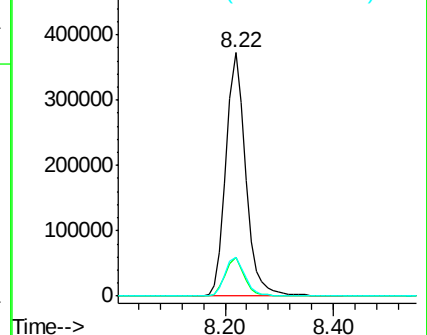
88 15.9 0.0 33.2

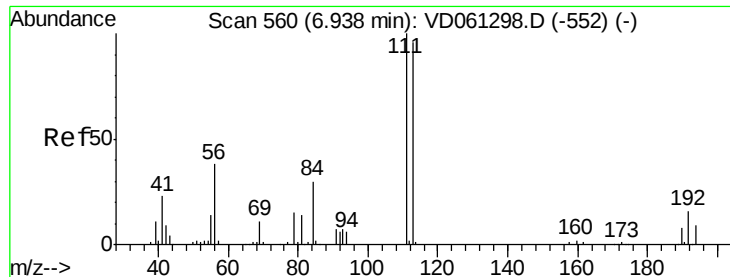


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

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ClientSampleId :

WP022SB441-190319-(23-25)

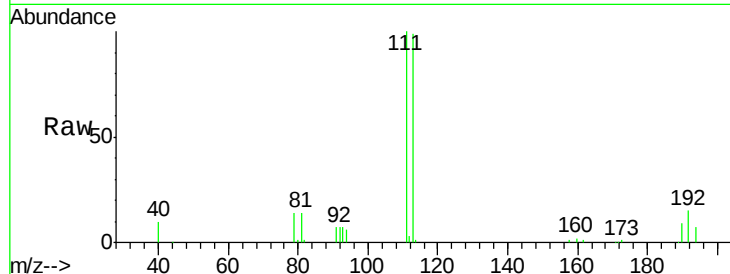
Tot Ion:113 Resp: 306198

Ion Ratio Lower Upper

113 100

111 100.9 83.7 125.5

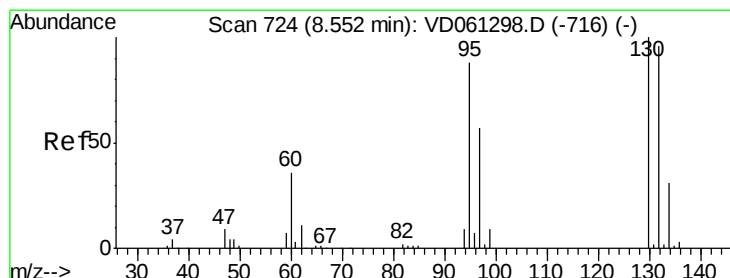
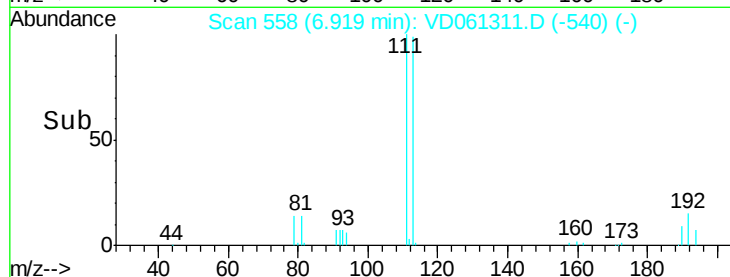
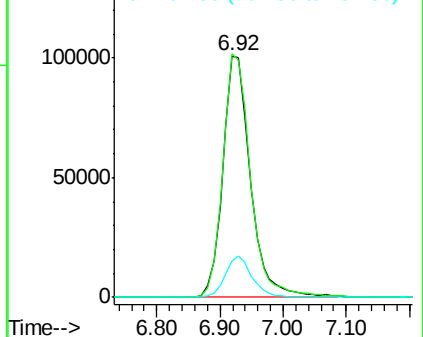
192 15.1 13.4 20.0



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



#44

Trichloroethene

Concen: 1.151 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061311.D

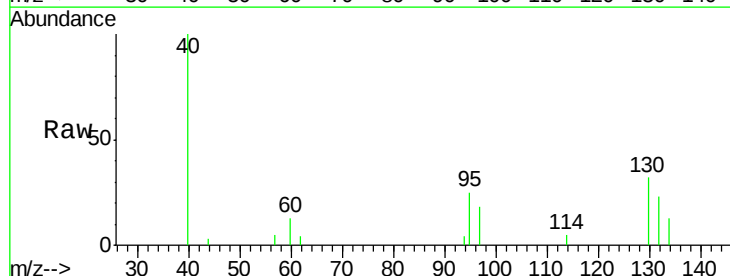
Acq: 25 Mar 2019 19:30

Tgt Ion:130 Resp: 7997

Ion Ratio Lower Upper

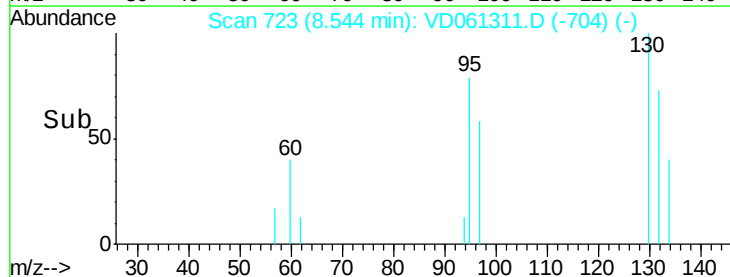
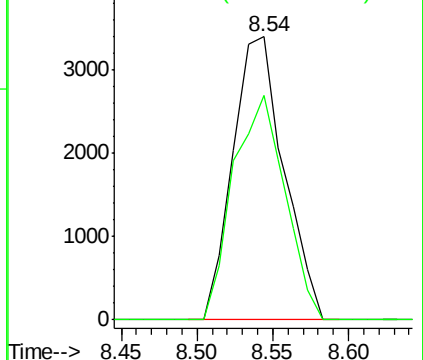
130 100

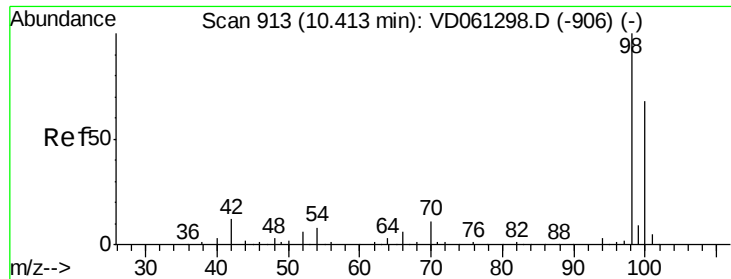
95 79.5 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

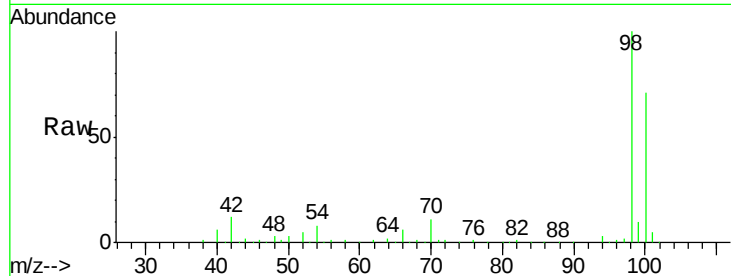
WP022SB441-190319-(23-25)

Tot Ion: 98 Resp: 666892

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) (-)

10.40

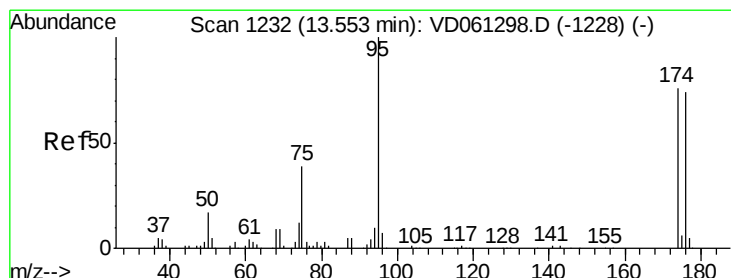
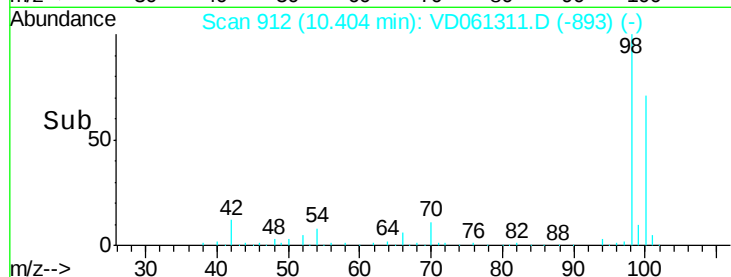
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

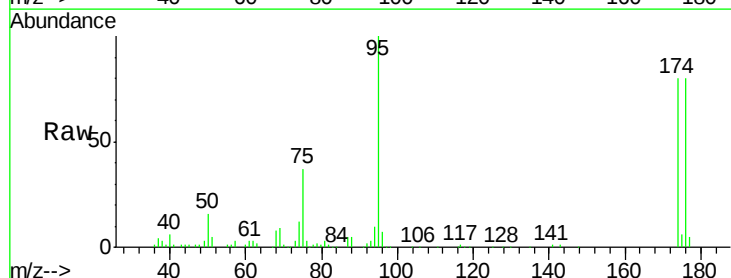
Tgt Ion: 95 Resp: 226283

Ion Ratio Lower Upper

95 100

174 80.0 0.0 151.8

176 79.5 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) (-)

200000

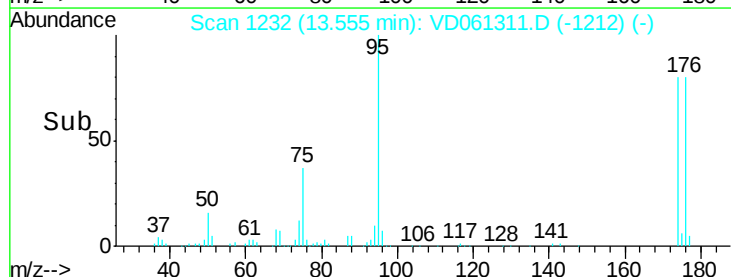
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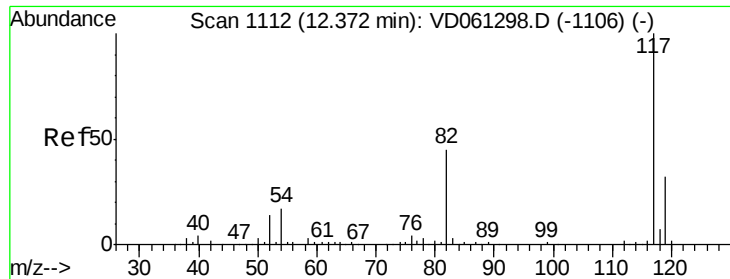
100000

50000

0

Time-->

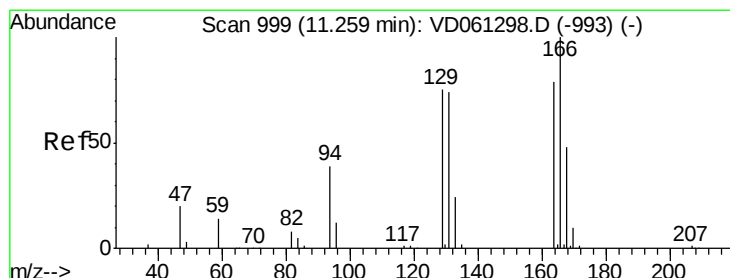
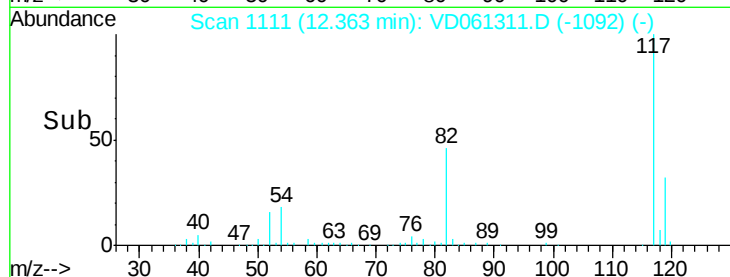
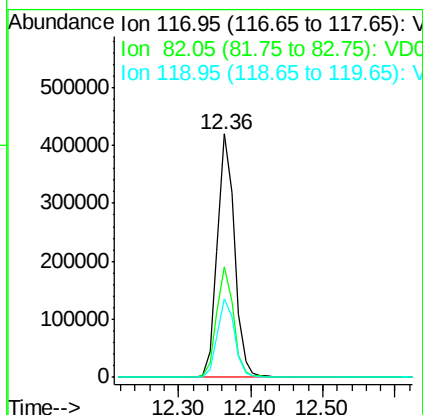
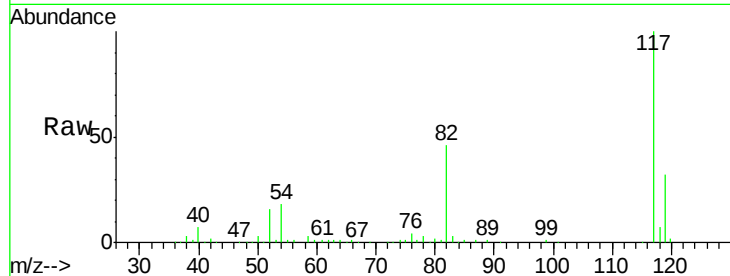




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061311.D
Acq: 25 Mar 2019 19:30

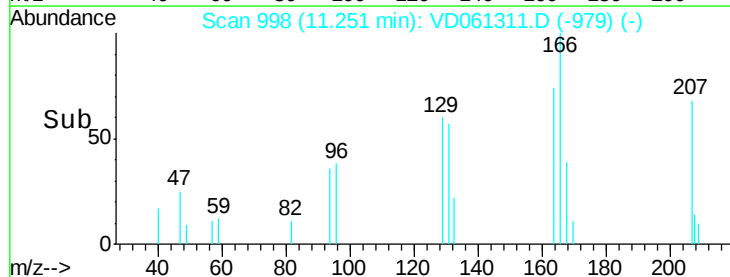
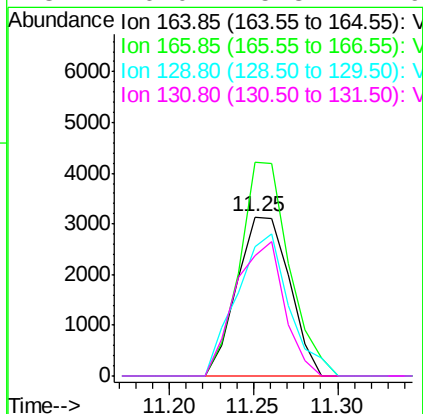
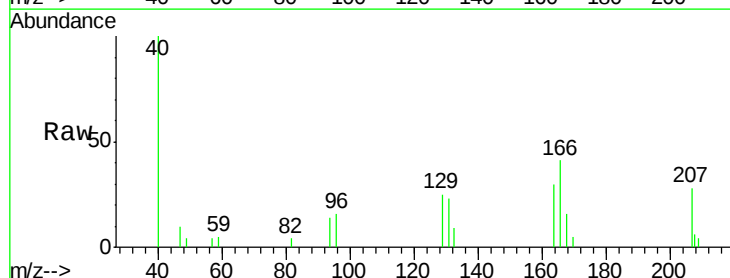
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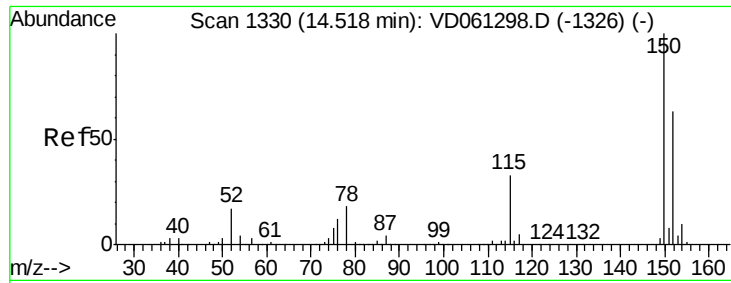
Tot Ion:117 Resp: 683605
Ion Ratio Lower Upper
117 100
82 45.6 35.7 53.5
119 32.1 25.9 38.9



#64
Tetrachloroethene
Concen: 1.433 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061311.D
Acq: 25 Mar 2019 19:30

Tgt Ion:164 Resp: 6746
Ion Ratio Lower Upper
164 100
166 134.3 101.6 152.4
129 81.2 75.9 113.9
131 76.0 75.3 112.9

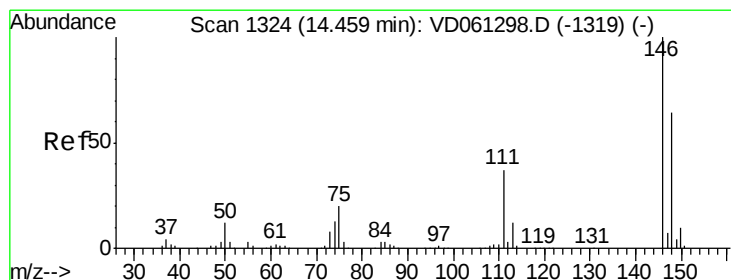
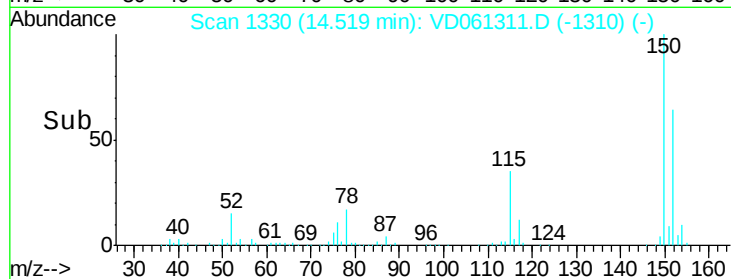
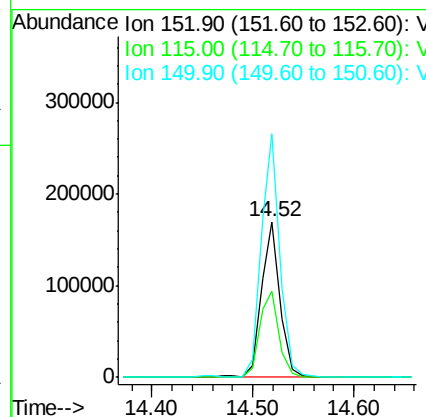
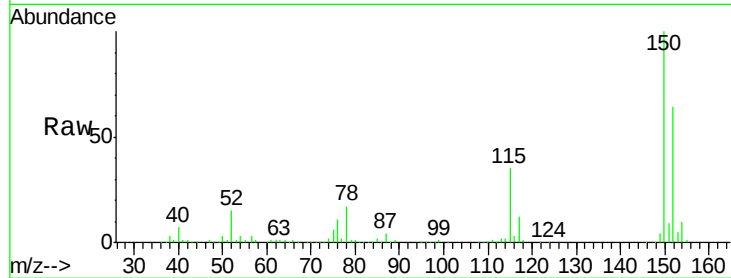




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061311.D
 Acq: 25 Mar 2019 19:30

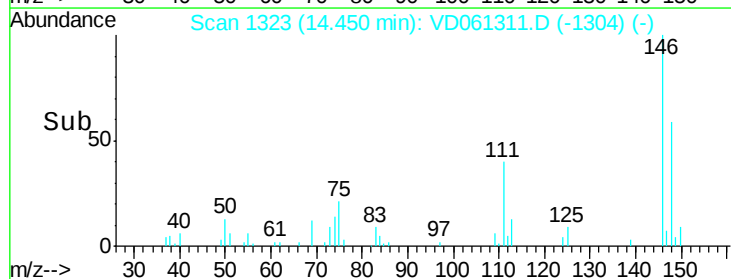
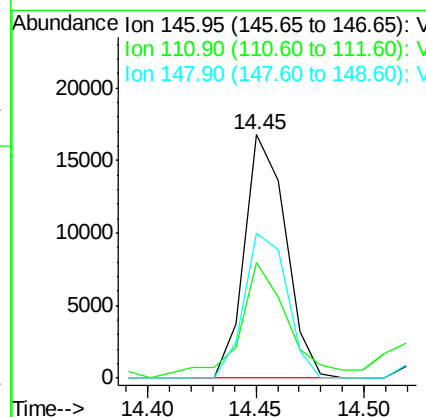
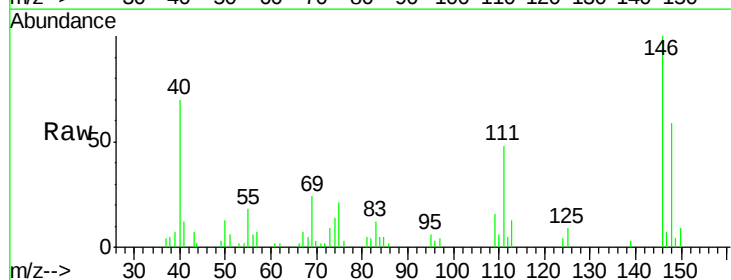
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)

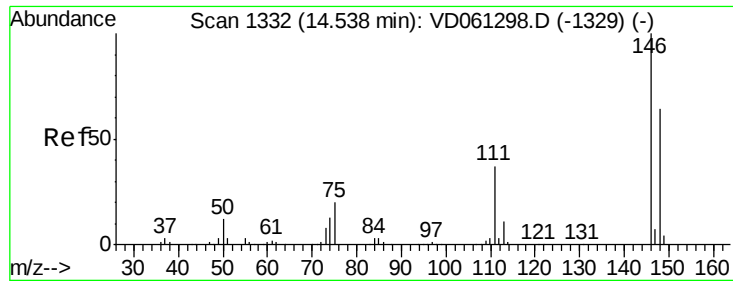
Tot Ion:152 Resp: 220061
 Ion Ratio Lower Upper
 152 100
 115 55.2 29.2 87.6
 150 156.6 0.0 319.6



#87
 1,3-Dichlorobenzene
 Concen: 3.142 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061311.D
 Acq: 25 Mar 2019 19:30

Tgt Ion:146 Resp: 22265
 Ion Ratio Lower Upper
 146 100
 111 47.7 18.4 55.0
 148 59.5 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 1.513 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)

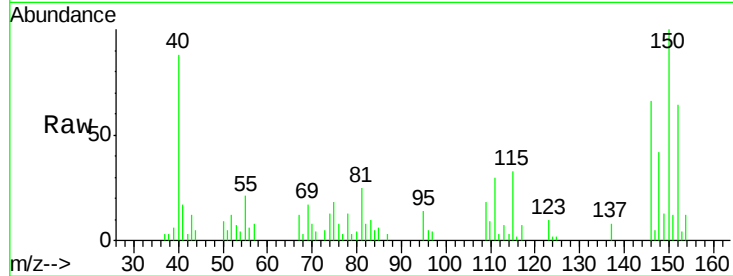
Tot Ion:146 Resp: 10389

Ion Ratio Lower Upper

146 100

111 45.5 18.6 55.6

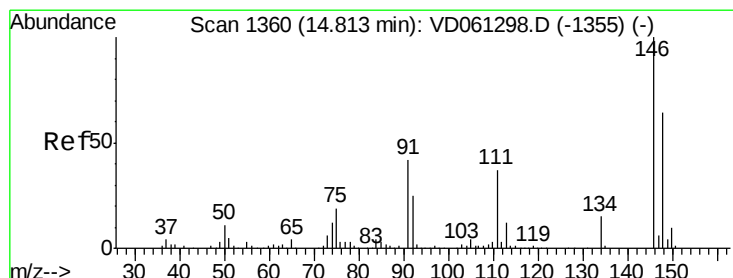
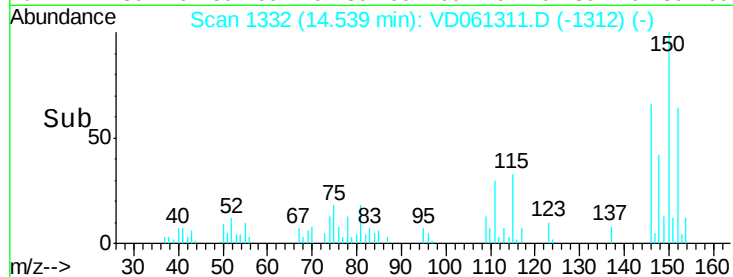
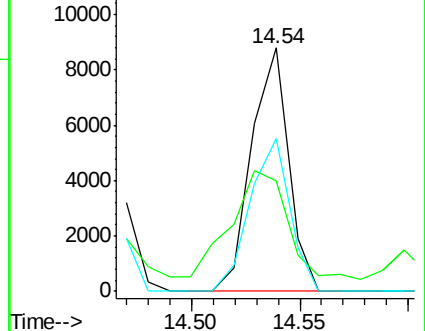
148 63.0 31.9 95.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 5.678 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

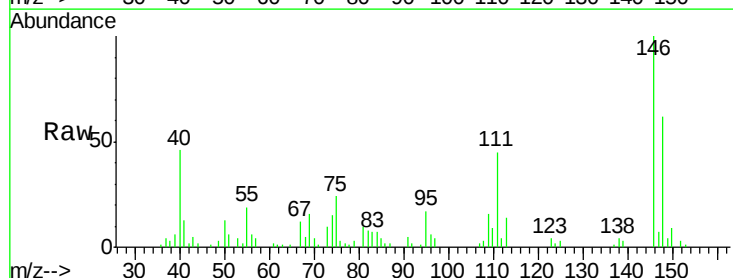
Tgt Ion:146 Resp: 32108

Ion Ratio Lower Upper

146 100

111 44.9 18.3 54.8

148 61.6 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

