

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060032.D
 Acq On : 17 Sep 2018 20:19
 Operator : JC/SY
 Sample : J4929-05RE
 Misc : 6.41g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-12RE

Quant Time: Sep 18 04:41:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

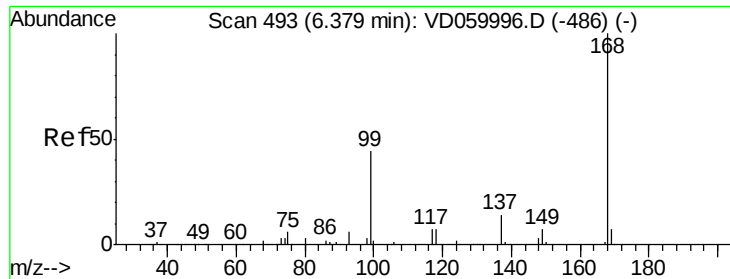
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1238733	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1841494	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1457027	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	758790	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	444602	46.03	ug/l	0.02
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	6.32	113	553666	38.48	ug/l	0.02
Spiked Amount			Recovery	=	76.96%	
50) Toluene-d8	9.45	98	1549063	38.85	ug/l	0.01
Spiked Amount			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	12.42	95	565996	37.16	ug/l	0.01
Spiked Amount			Recovery	=	74.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	6504	2.993	ug/l	100
16) Acetone	3.15	43	22424	12.023	ug/l	96
20) Methylene Chloride	3.71	84	127890	2.838	ug/l	96
25) 2-Butanone	5.62	43	12732	2.530	ug/l	95
29) Tetrahydrofuran	5.94	42	3774	1.398	ug/l #	71
31) Cyclohexane	6.40	56	23938	1.116	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	89564	4.896	ug/l #	46
37) Ethyl Acetate	5.62	43	12732	1.012	ug/l #	72
38) Carbon Tetrachloride	6.40	117	103300	6.049	ug/l #	15
51) 4-Methyl-2-Pentanone	9.34	43	2036	Below Cal	#	42
59) 2-Hexanone	10.62	43	191	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	201684	17.403	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	236349	67.562	ug/l #	15
89) n-Butylbenzene	13.65	91	715	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.66	146	263	Below Cal	#	64

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

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD091718\
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ALS Vial : 22 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

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ClientSampleId :

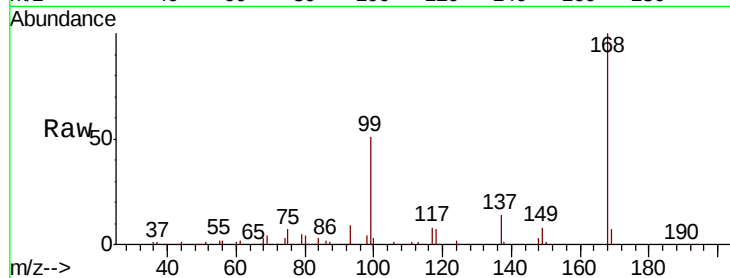
SP-PIT-12RE

Tgt Ion:168 Resp: 1238733

Ion Ratio Lower Upper

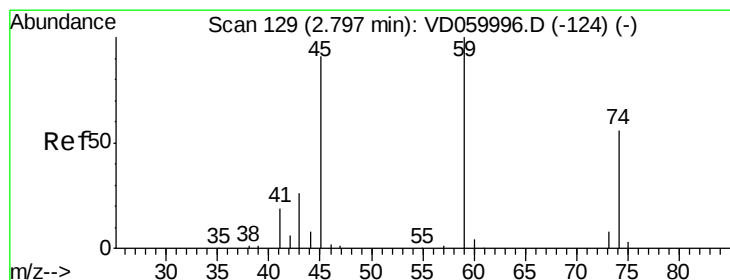
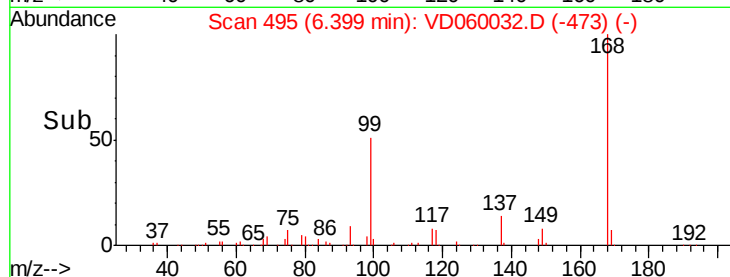
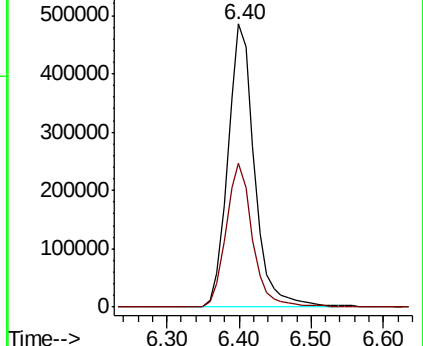
168 100

99 50.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.993 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060032.D

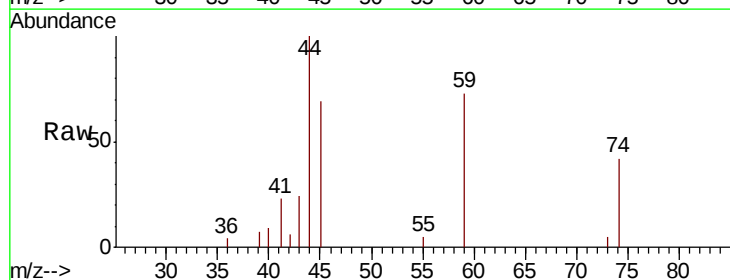
Acq: 17 Sep 2018 20:19

Tgt Ion: 74 Resp: 6504

Ion Ratio Lower Upper

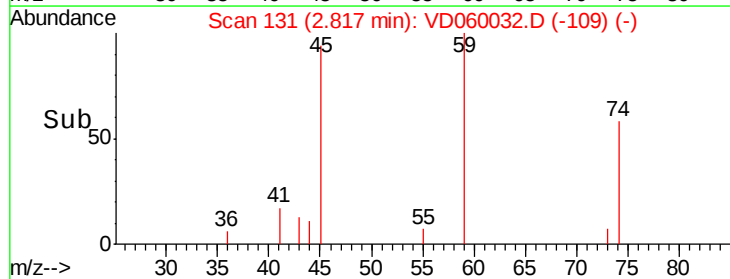
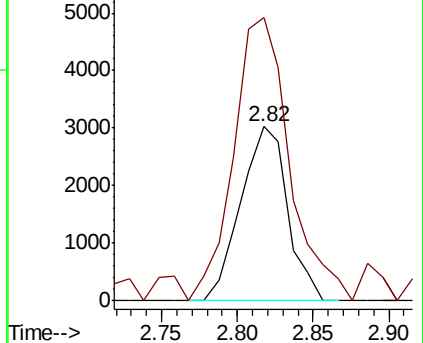
74 100

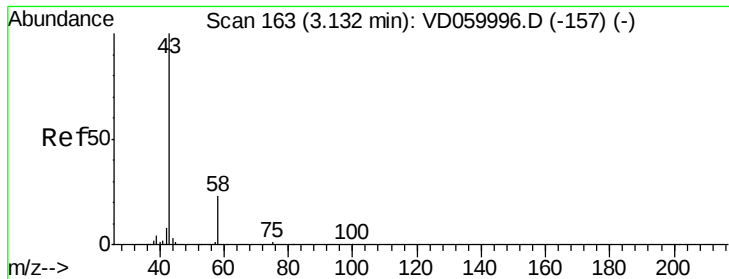
45 162.3 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 12.023 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

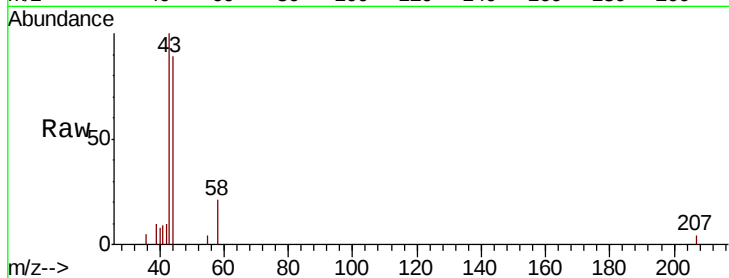
SP-PIT-12RE

Tgt Ion: 43 Resp: 22424

Ion Ratio Lower Upper

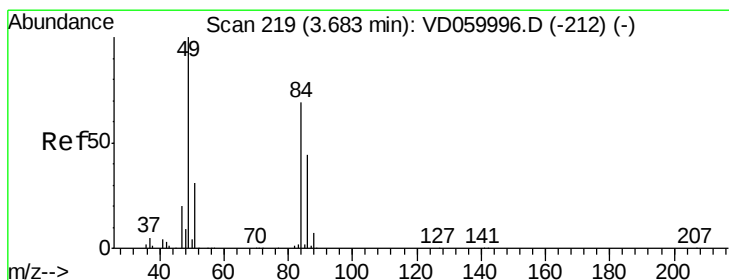
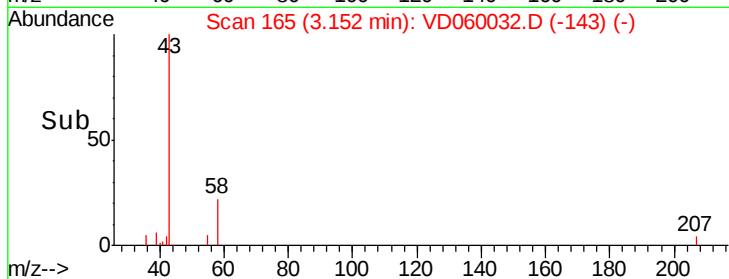
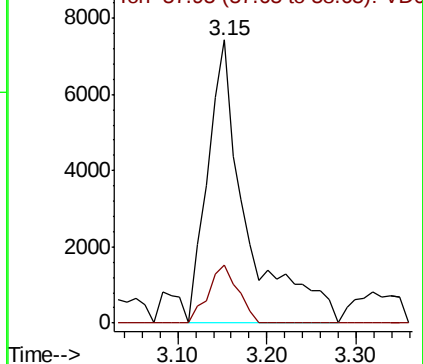
43 100

58 20.7 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.838 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Tgt Ion: 84 Resp: 127890

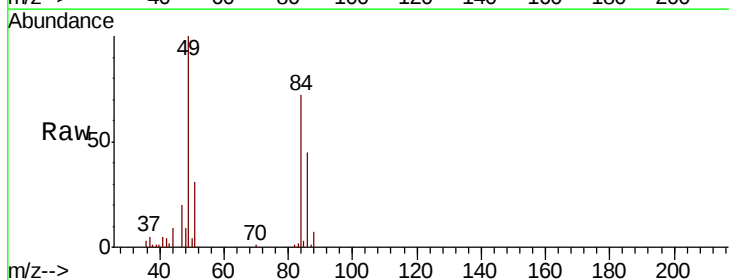
Ion Ratio Lower Upper

84 100

49 138.5 116.6 175.0

51 42.8 35.9 53.9

86 63.0 51.8 77.6

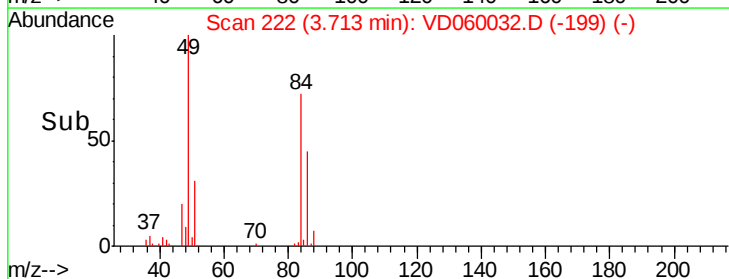
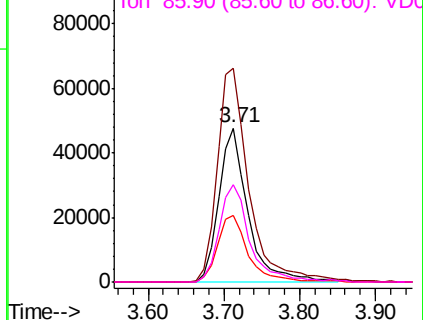


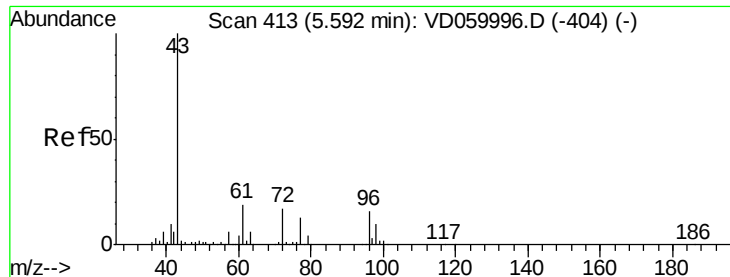
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.530 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

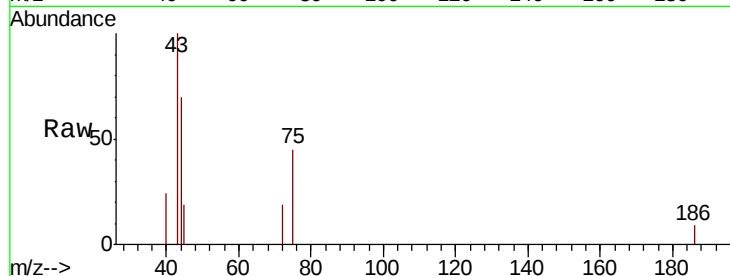
SP-PIT-12RE

Tgt Ion: 43 Resp: 12732

Ion Ratio Lower Upper

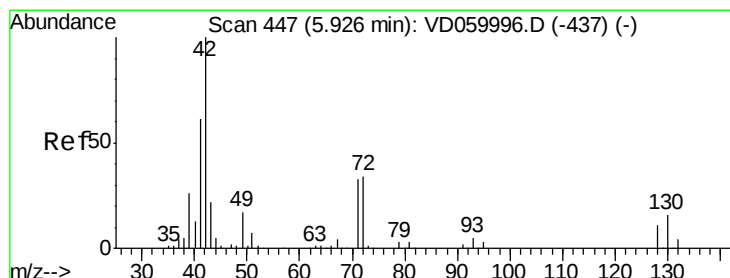
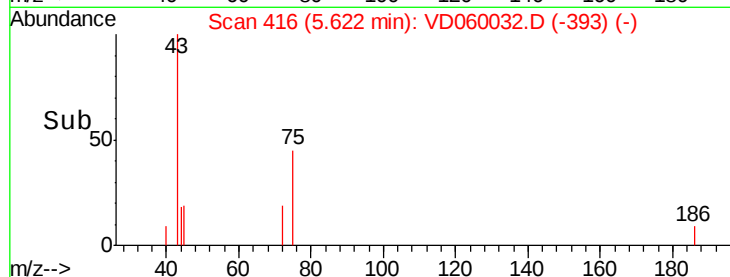
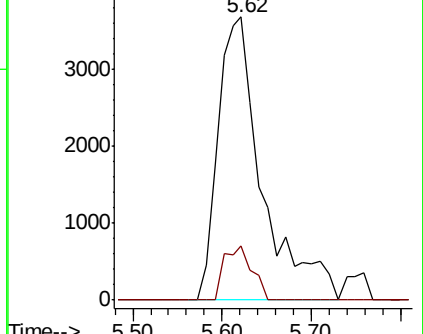
43 100

72 19.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.398 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

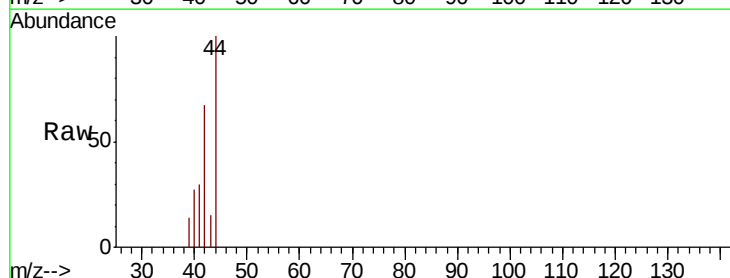
Tgt Ion: 42 Resp: 3774

Ion Ratio Lower Upper

42 100

72 21.9 26.9 40.3#

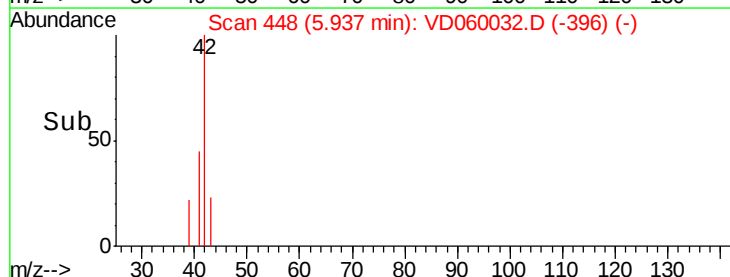
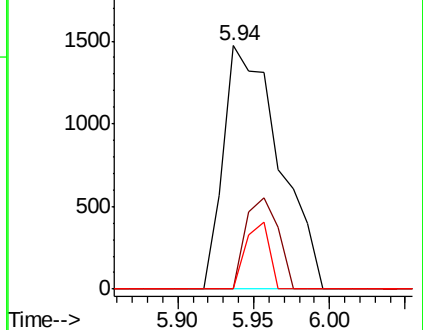
71 11.5 26.2 39.4#

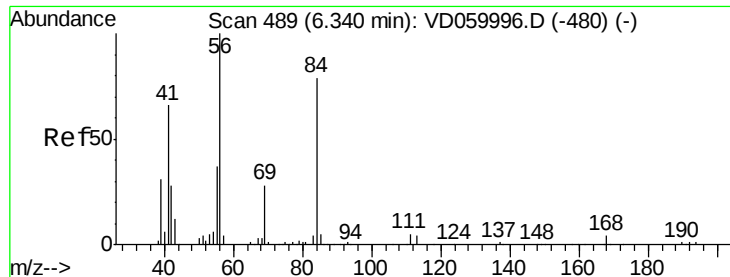


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

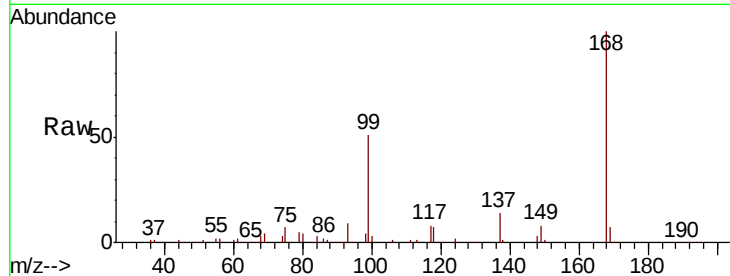




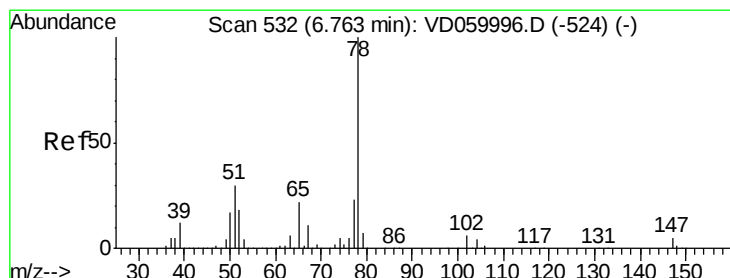
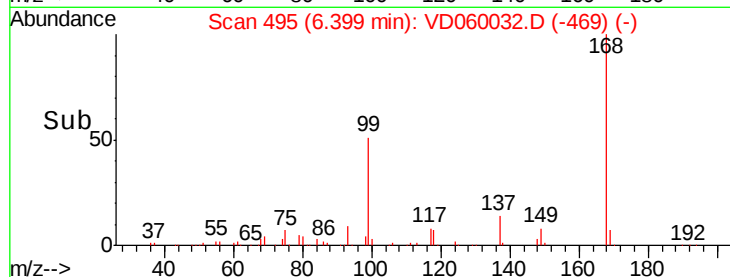
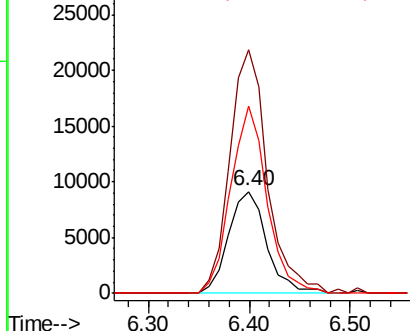
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060032.D
Acq: 17 Sep 2018 20:19

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-12RE

Tgt Ion: 56 Resp: 23938
Ion Ratio Lower Upper
56 100
69 239.0 22.7 34.1#
84 183.8 64.0 96.0#

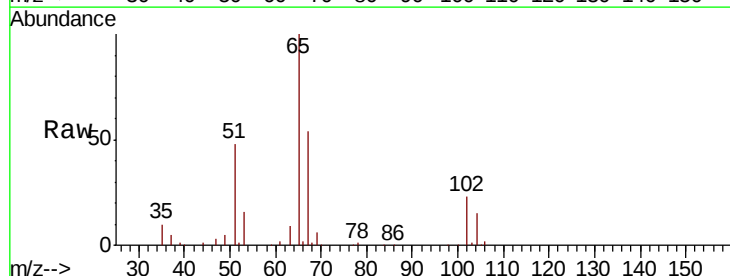


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

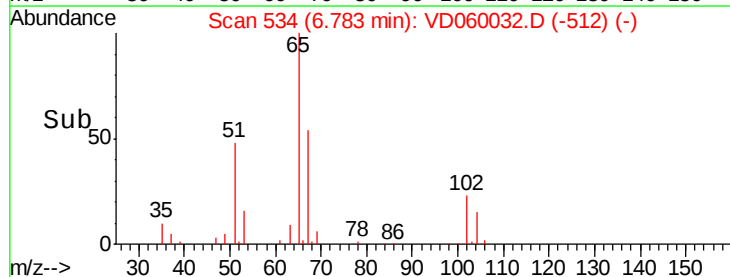
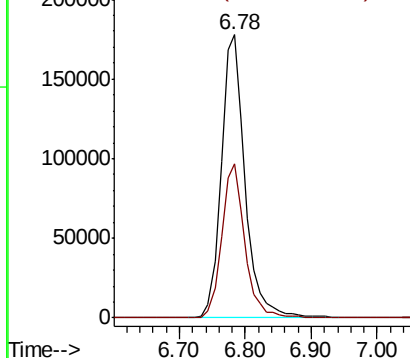


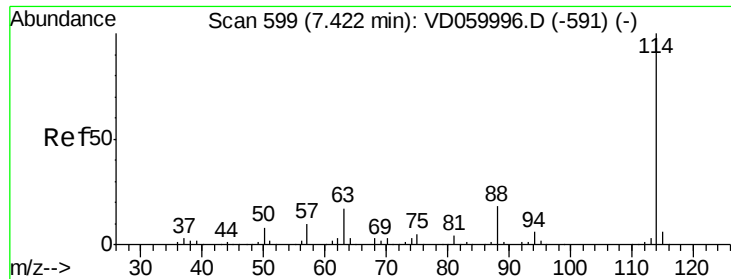
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060032.D
Acq: 17 Sep 2018 20:19

Tgt Ion: 65 Resp: 444602
Ion Ratio Lower Upper
65 100
67 54.3 0.0 104.8



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: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-12RE

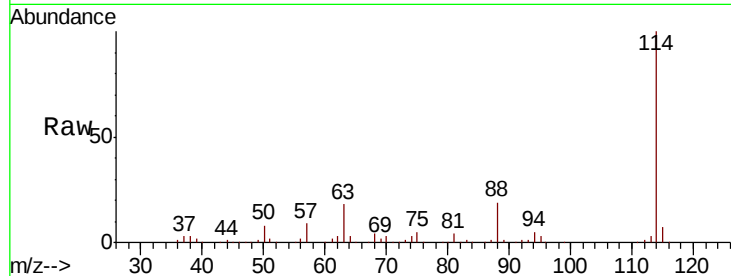
Tgt Ion:114 Resp: 1841494

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

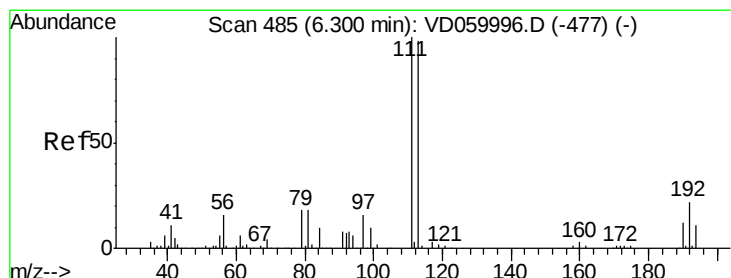
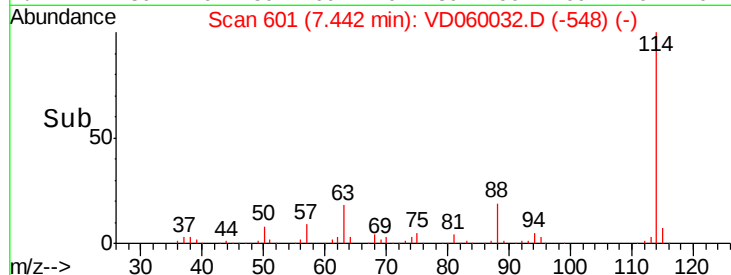
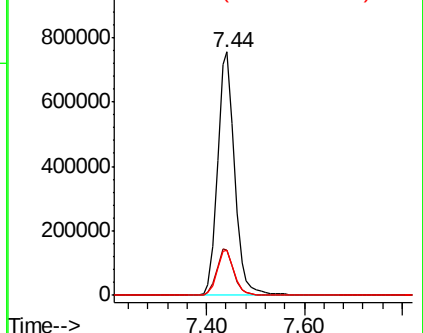
88 18.5 0.0 35.8



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: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

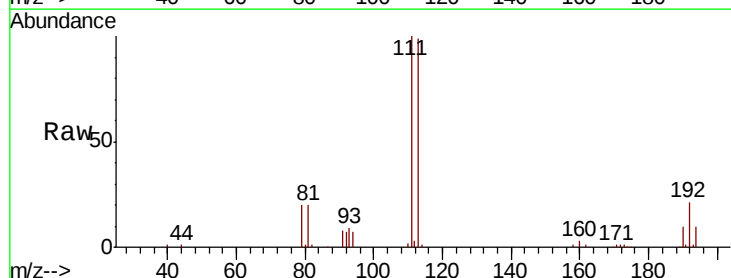
Tgt Ion:113 Resp: 553666

Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

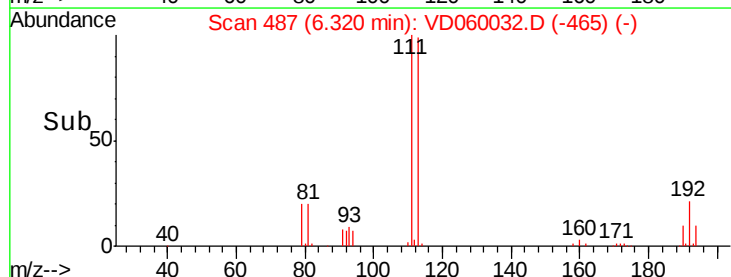
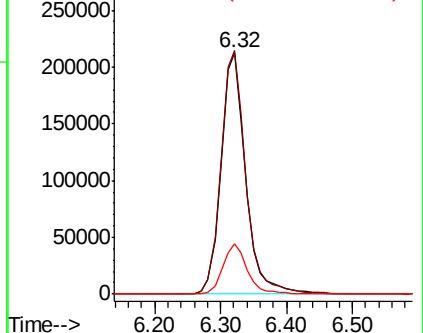
192 21.1 18.1 27.1

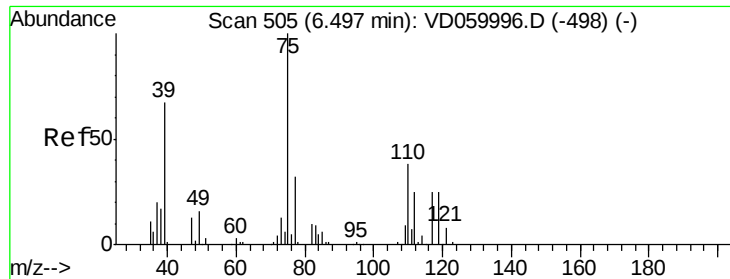


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

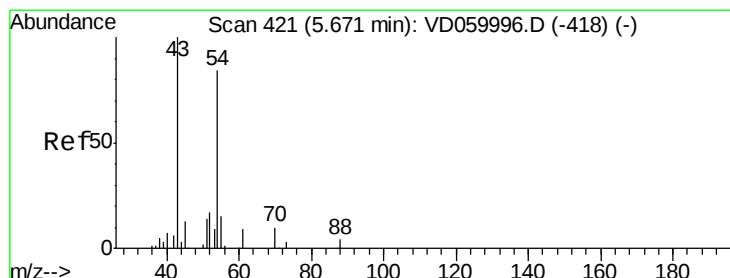
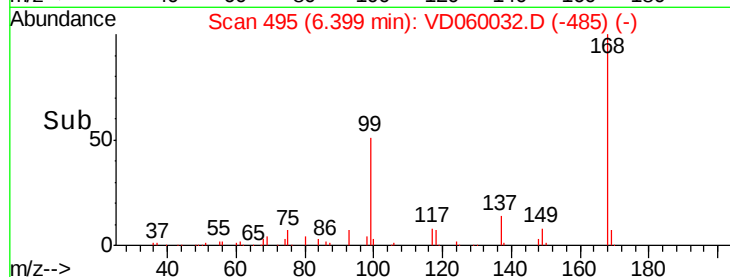
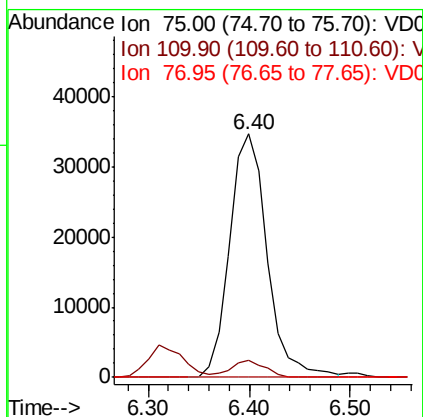
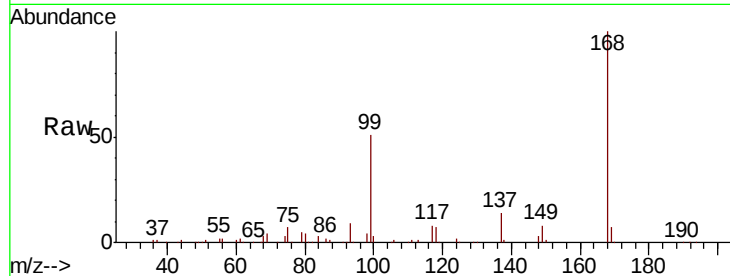




#36
 1,1-Dichloropropene
 Concen: 4.896 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: VD060032.D
 Acq: 17 Sep 2018 20:19

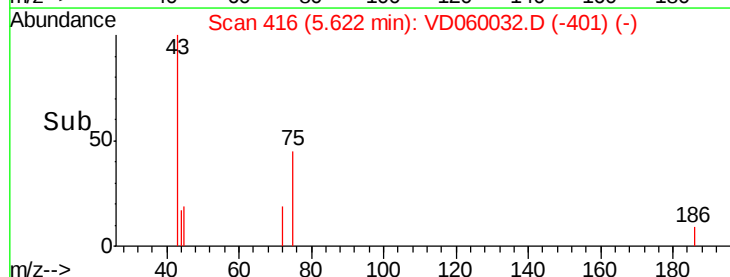
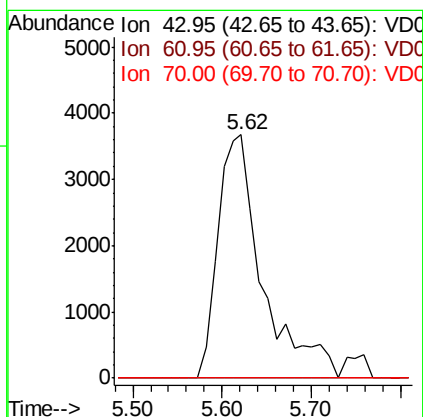
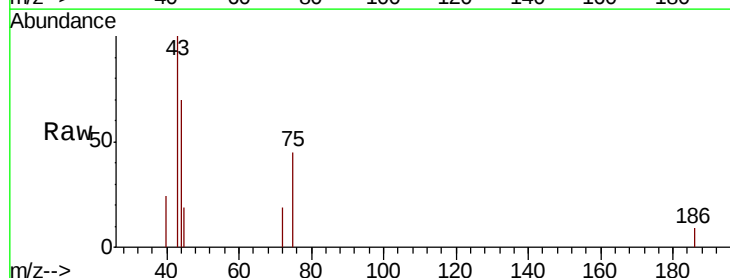
Instrument :
 MSVOA_D
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 SP-PIT-12RE

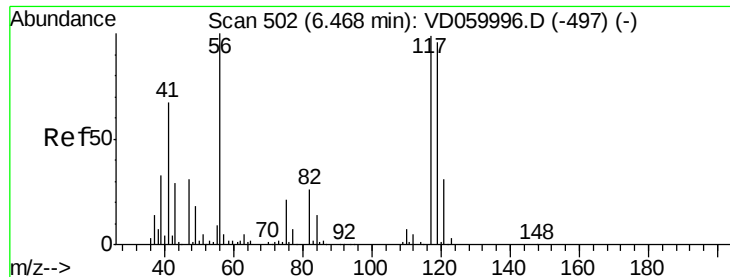
Tgt Ion: 75 Resp: 89564
 Ion Ratio Lower Upper
 75 100
 110 6.8 18.9 56.9#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 1.012 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. -0.05 min
 Lab File: VD060032.D
 Acq: 17 Sep 2018 20:19

Tgt Ion: 43 Resp: 12732
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 6.1 9.1#





#38

Carbon Tetrachloride

Concen: 6.049 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-12RE

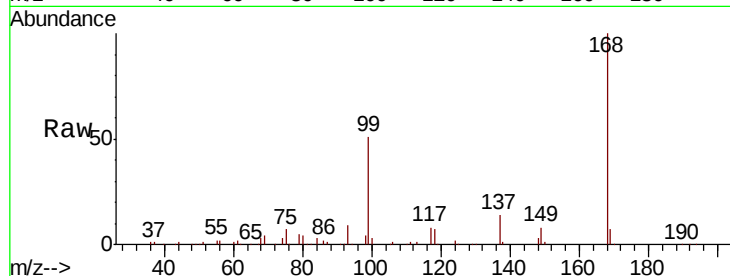
Tgt Ion:117 Resp: 103300

Ion Ratio Lower Upper

117 100

119 4.4 76.7 115.1#

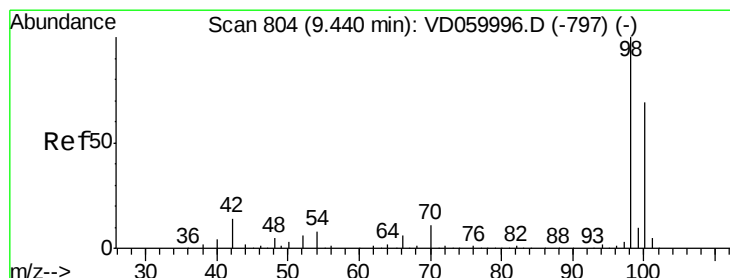
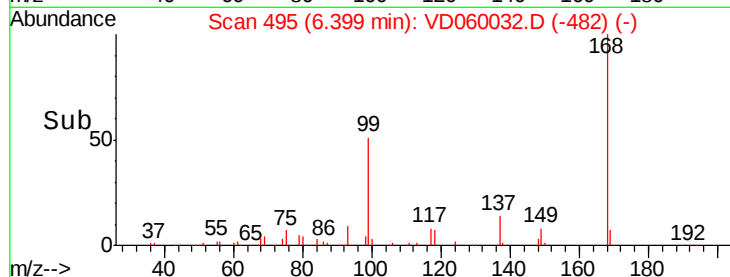
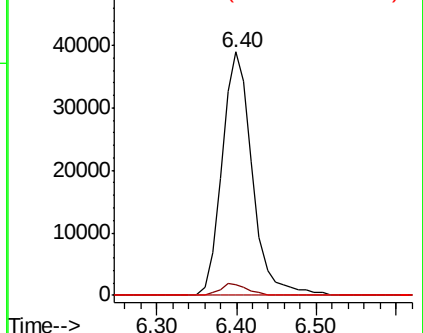
121 0.0 24.9 37.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060032.D

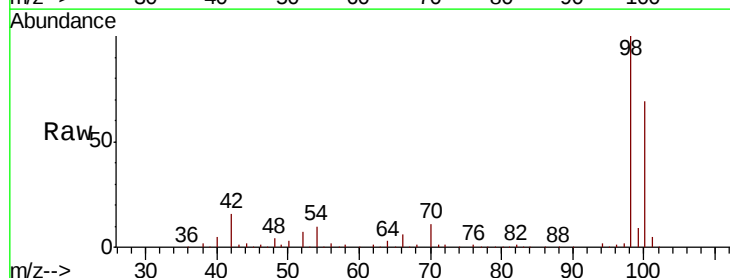
Acq: 17 Sep 2018 20:19

Tgt Ion: 98 Resp: 1549063

Ion Ratio Lower Upper

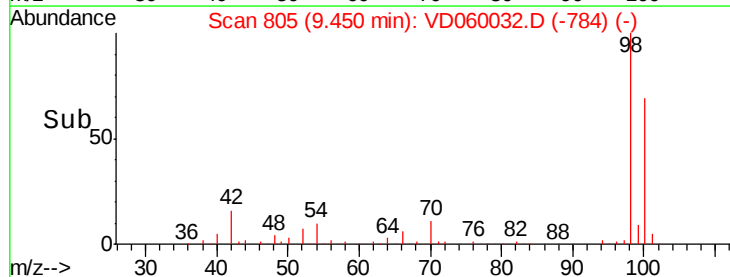
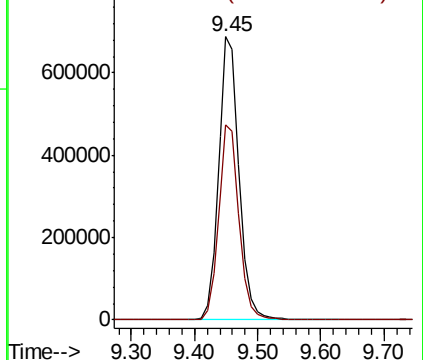
98 100

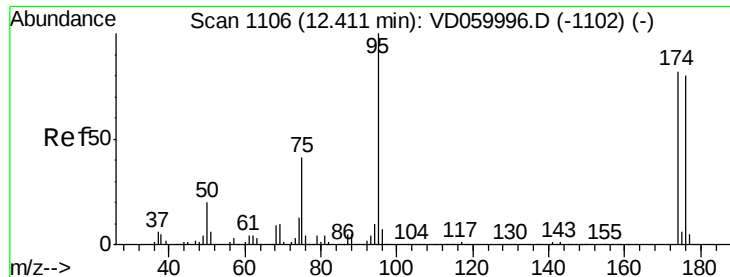
100 69.0 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-12RE

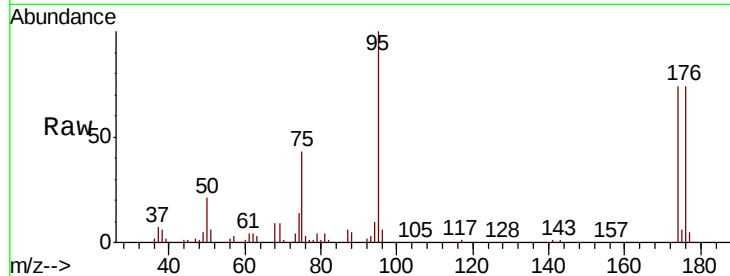
Tgt Ion: 95 Resp: 565996

Ion Ratio Lower Upper

95 100

174 74.2 0.0 165.0

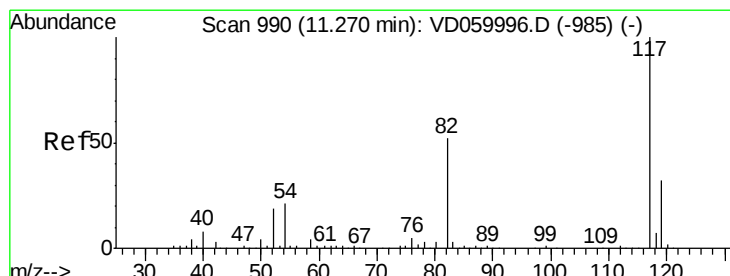
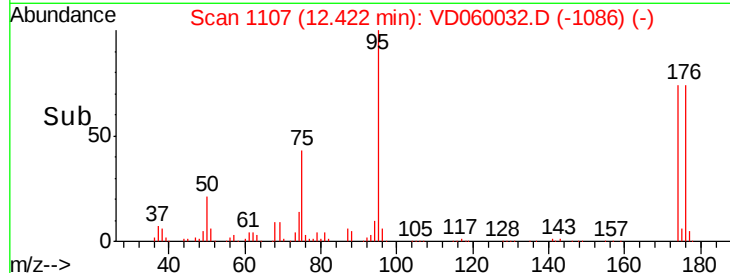
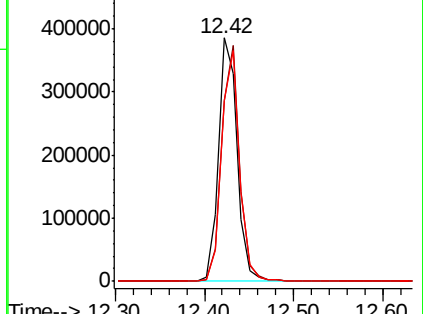
176 74.3 0.0 160.2



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: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

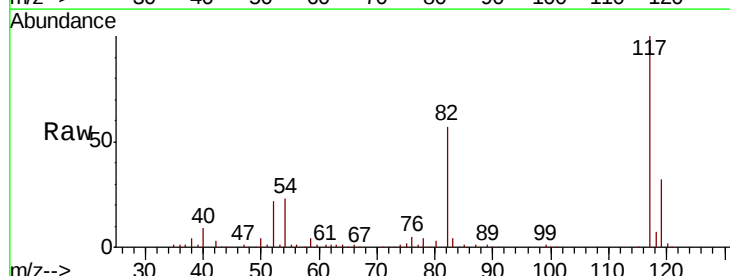
Tgt Ion: 117 Resp: 1457027

Ion Ratio Lower Upper

117 100

82 57.4 41.7 62.5

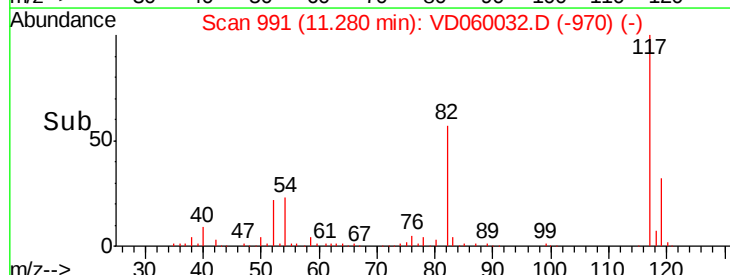
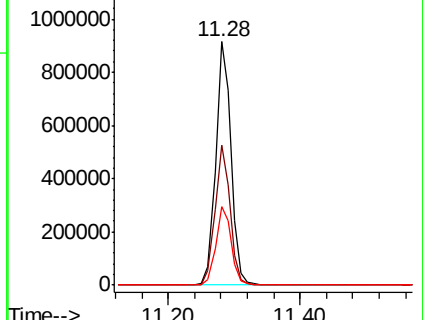
119 32.0 26.0 39.0

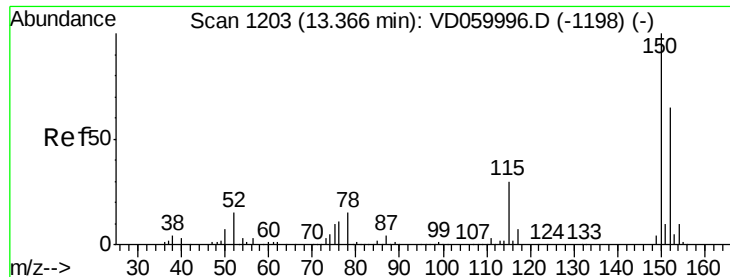


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



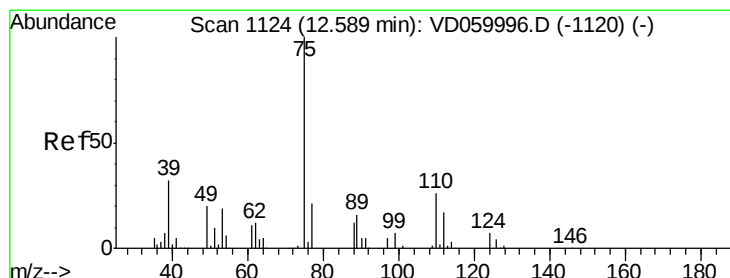
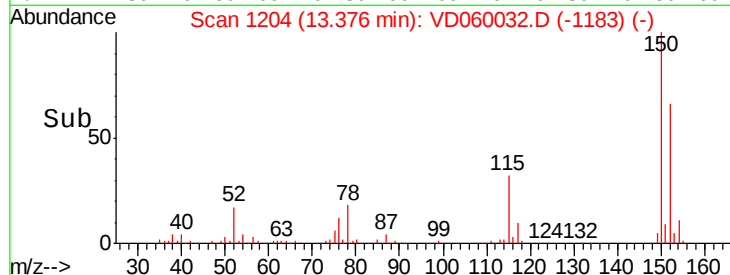
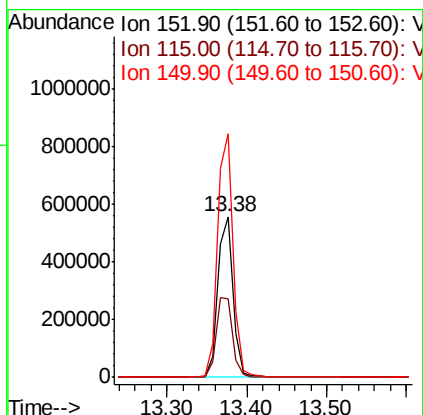
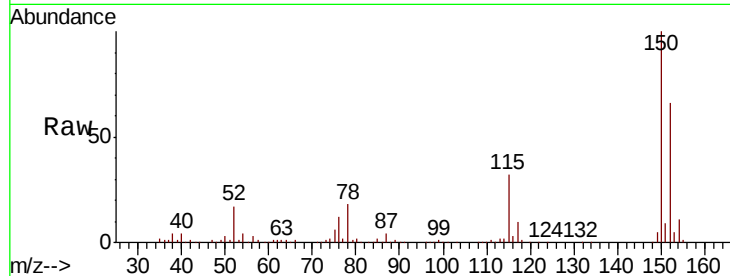


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060032.D
Acq: 17 Sep 2018 20:19

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-12RE

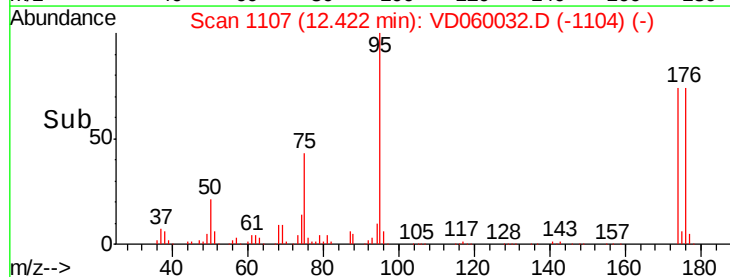
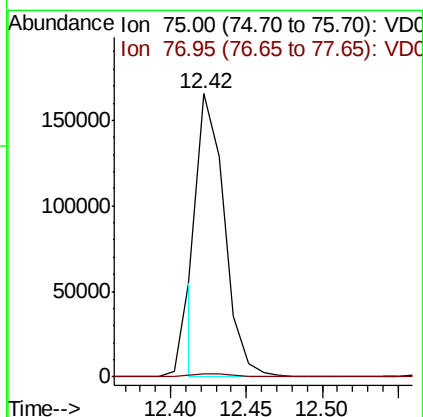
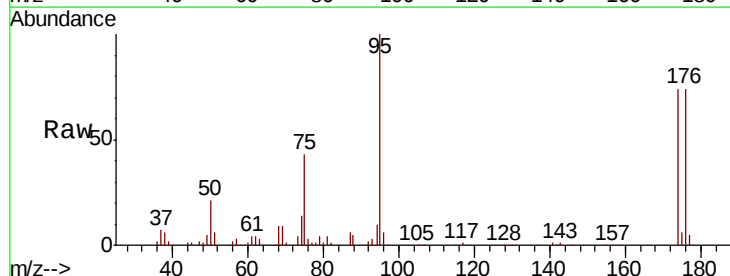
Tgt Ion: 152 Resp: 758790
Ion Ratio Lower Upper
152 100
115 48.8 24.6 73.8
150 151.2 0.0 313.4

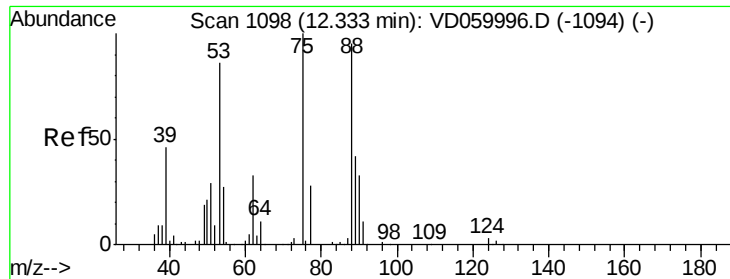


#76

1,2,3-Trichloropropane
Concen: 17.403 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.17 min
Lab File: VD060032.D
Acq: 17 Sep 2018 20:19

Tgt Ion: 75 Resp: 201684
Ion Ratio Lower Upper
75 100
77 1.2 16.4 49.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.562 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060032.D

Acq: 17 Sep 2018 20:19

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-12RE

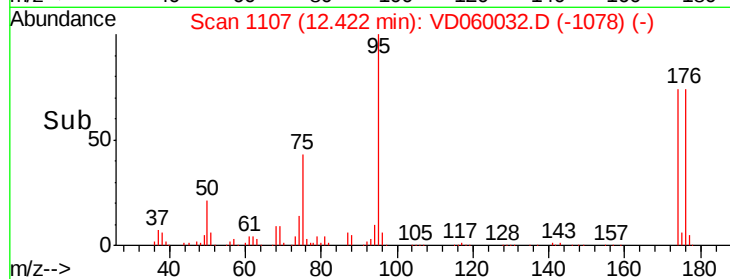
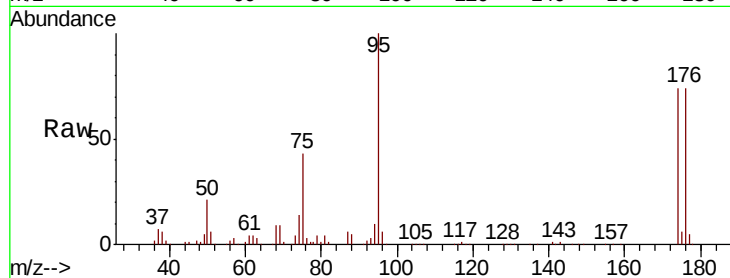
Tgt Ion: 75 Resp: 236349

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

