

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060031.D
 Acq On : 17 Sep 2018 19:51
 Operator : JC/SY
 Sample : J4929-01RE
 Misc : 5.74g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-6RE

Quant Time: Sep 18 04:41:22 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	396906	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	639888	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	540742	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	233643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	242003	78.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	156.38%	
35) Dibromofluoromethane	6.31	113	237068	47.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	9.45	98	547552	39.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	79.04%	
62) 4-Bromofluorobenzene	12.43	95	209019	39.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	78.98%	

Target Compounds

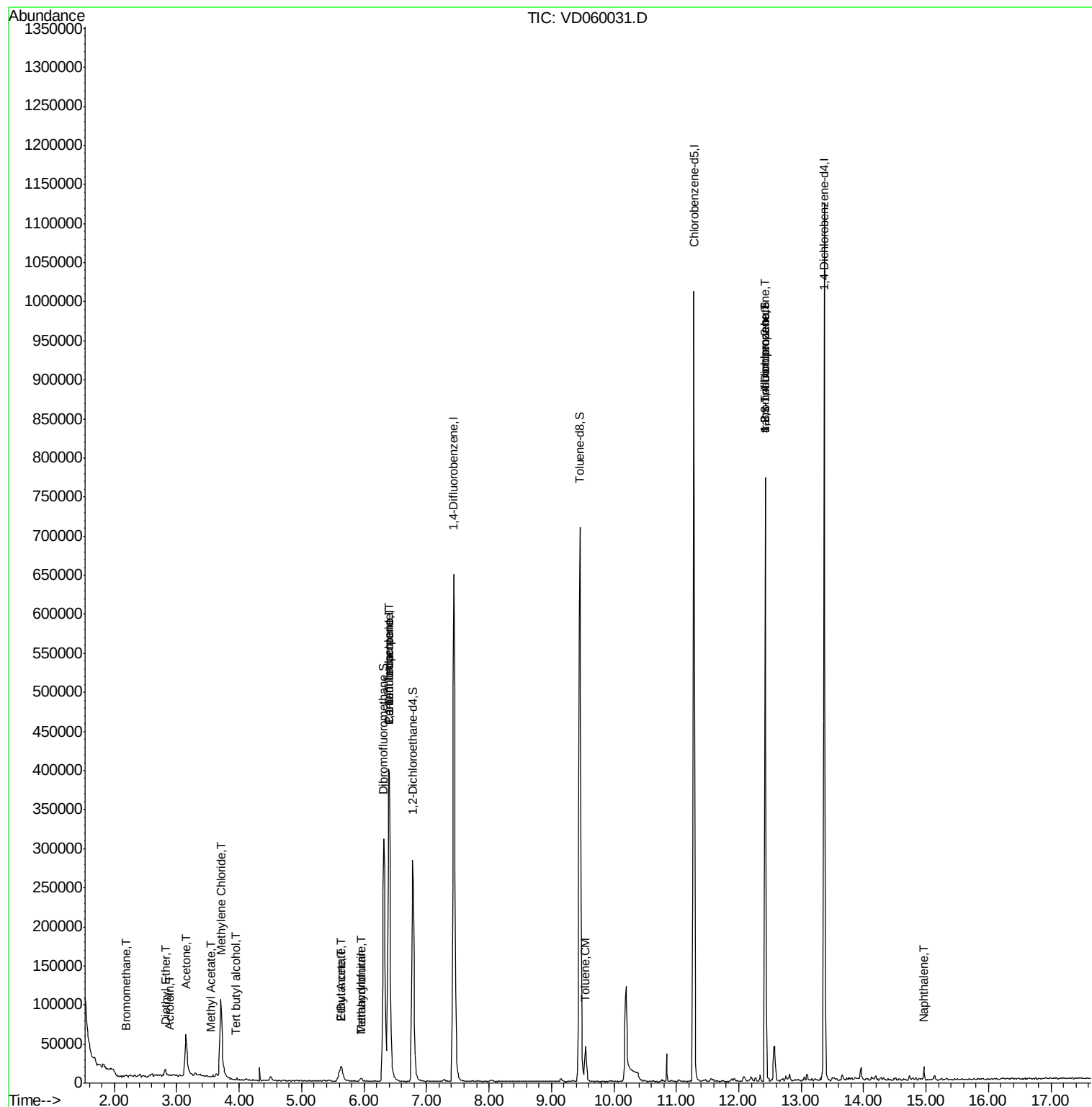
						Qvalue
5) Bromomethane	2.19	94	968	2.749	ug/l #	1
8) Diethyl Ether	2.81	74	1775	2.549	ug/l #	25
11) Tert butyl alcohol	3.94	59	690	2.763	ug/l #	74
13) Acrolein	2.88	56	204	1.319	ug/l #	13
16) Acetone	3.15	43	96012	160.665	ug/l	98
18) Methyl Acetate	3.55	43	1349	1.110	ug/l #	64
20) Methylene Chloride	3.71	84	63403	9.001	ug/l	96
25) 2-Butanone	5.62	43	26210	16.253	ug/l	99
29) Tetrahydrofuran	5.95	42	3254	3.763	ug/l #	56
36) 1,1-Dichloropropene	6.39	75	30368	4.778	ug/l #	46
37) Ethyl Acetate	5.62	43	26210	5.996	ug/l #	78
38) Carbon Tetrachloride	6.39	117	32097	5.409	ug/l #	16
41) Methacrylonitrile	5.95	41	2327	1.016	ug/l #	41
51) 4-Methyl-2-Pentanone	9.34	43	2359	Below Cal	#	42
52) Toluene	9.54	92	22670	2.183	ug/l	100
59) 2-Hexanone	10.49	43	1414	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.43	75	84558	23.697	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	87790	81.501	ug/l #	15
89) n-Butylbenzene	13.65	91	530	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.66	146	523	Below Cal	#	25
95) Naphthalene	14.96	128	10328	1.223	ug/l	97

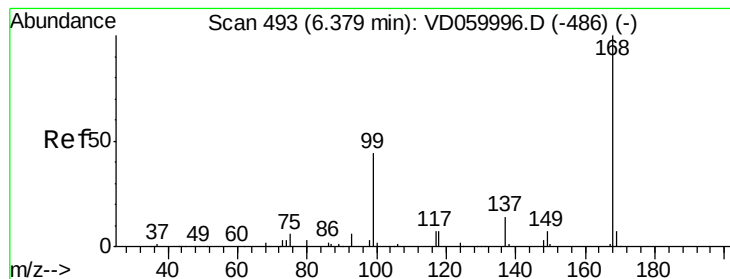
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

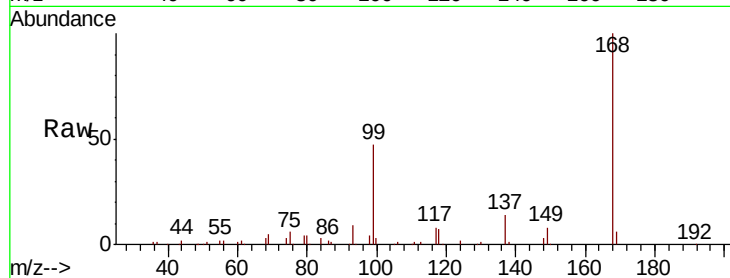
SP-PIT-6RE

Tgt Ion:168 Resp: 396906

Ion Ratio Lower Upper

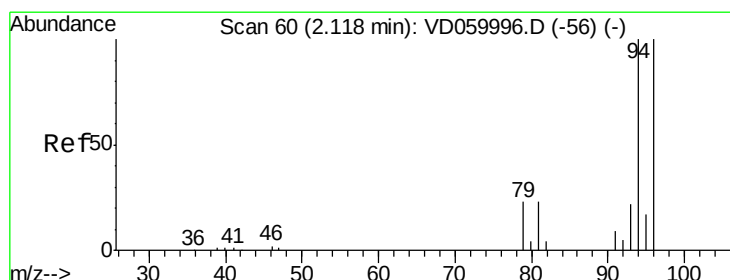
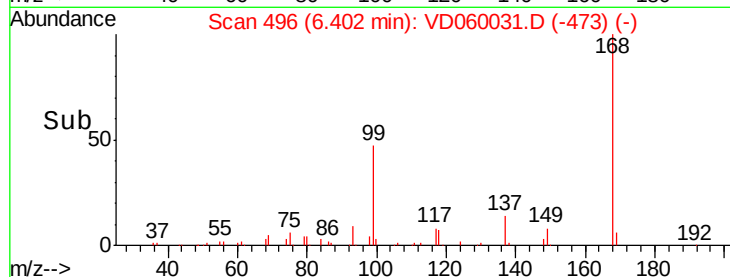
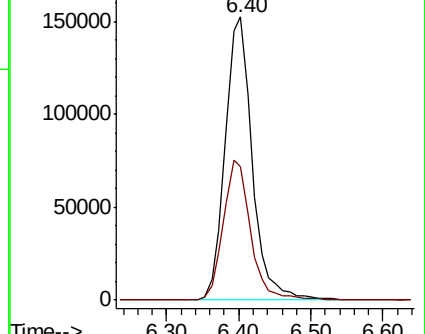
168 100

99 47.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.749 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.07 min

Lab File: VD060031.D

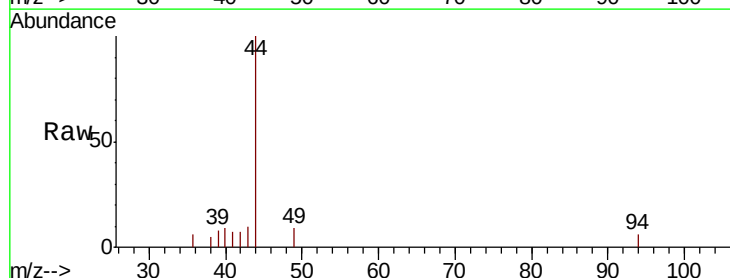
Acq: 17 Sep 2018 19:51

Tgt Ion: 94 Resp: 968

Ion Ratio Lower Upper

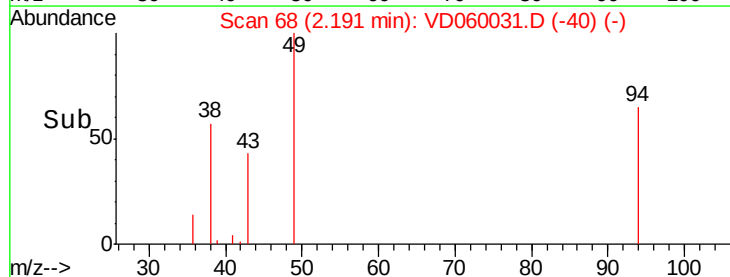
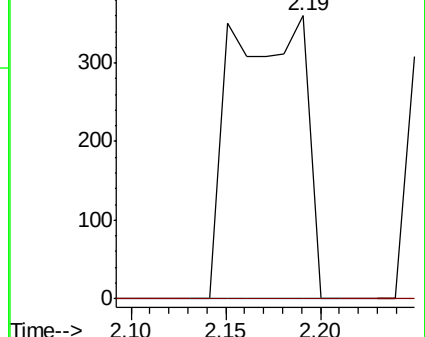
94 100

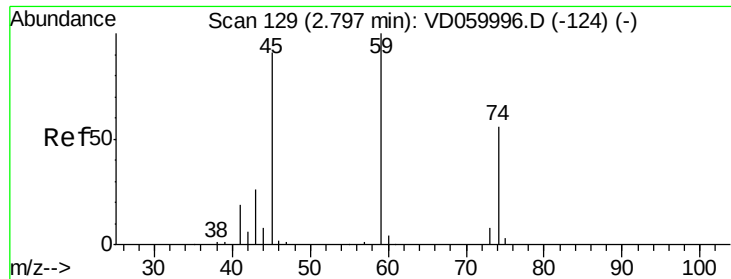
96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 2.549 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

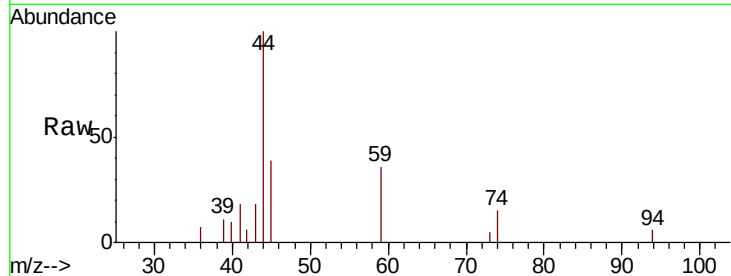
SP-PIT-6RE

Tgt Ion: 74 Resp: 1775

Ion Ratio Lower Upper

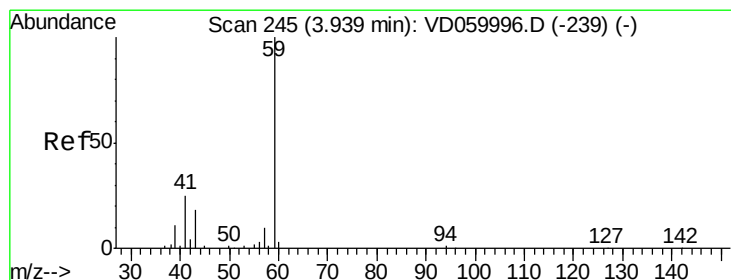
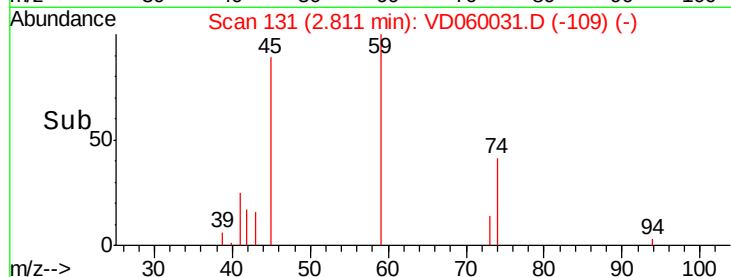
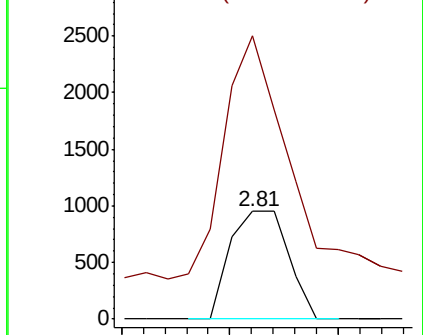
74 100

45 262.3 81.2 243.4#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 2.763 ug/l

RT: 3.94 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD060031.D

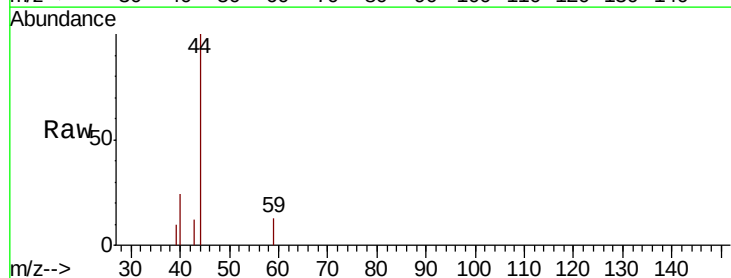
Acq: 17 Sep 2018 19:51

Tgt Ion: 59 Resp: 690

Ion Ratio Lower Upper

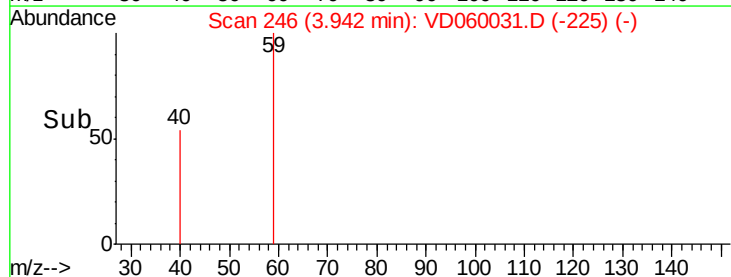
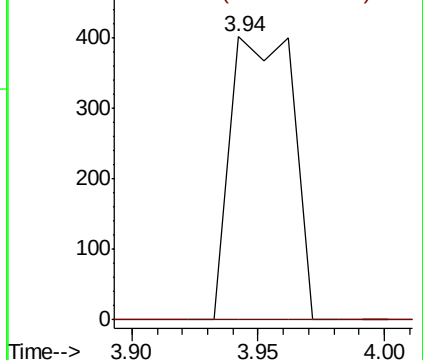
59 100

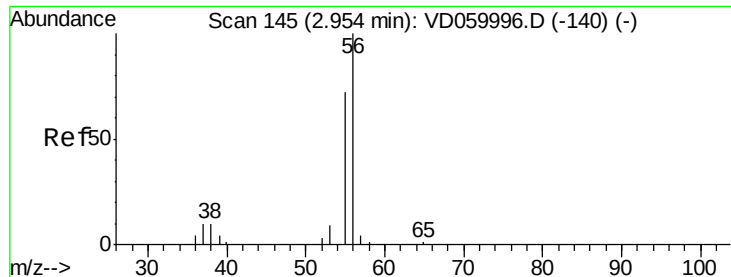
57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.319 ug/l

RT: 2.88 min Scan# 138

Delta R.T. -0.08 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

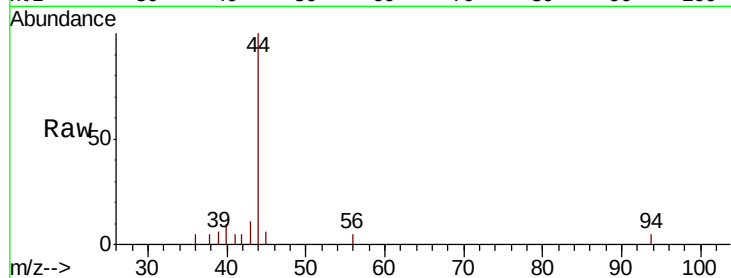
SP-PIT-6RE

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

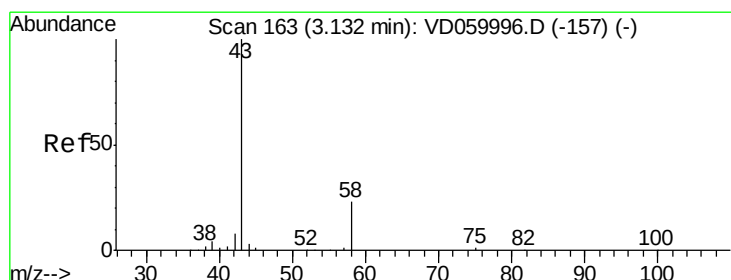
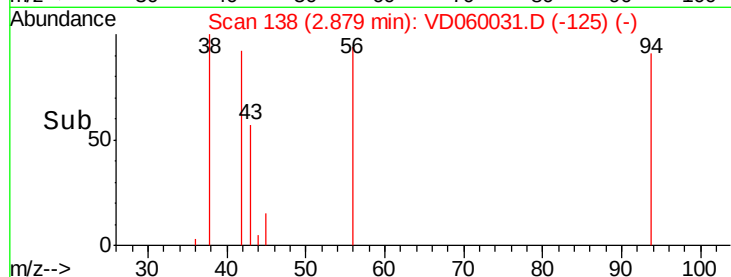
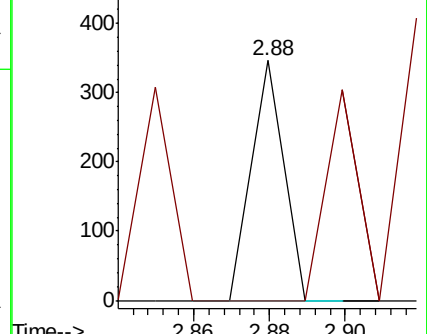
56 100

55 0.0 58.3 87.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 160.665 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060031.D

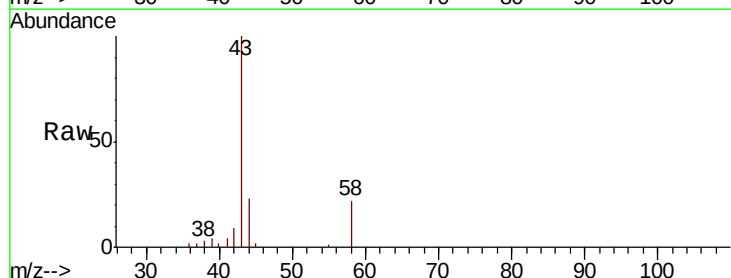
Acq: 17 Sep 2018 19:51

Tgt Ion: 43 Resp: 96012

Ion Ratio Lower Upper

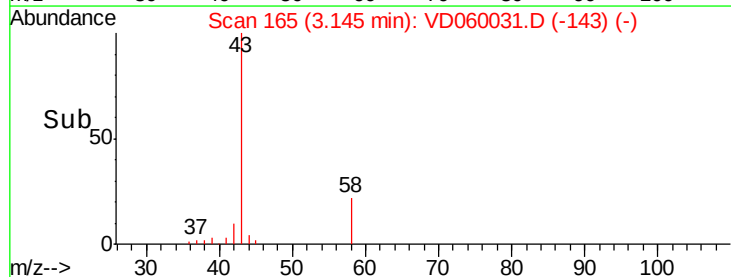
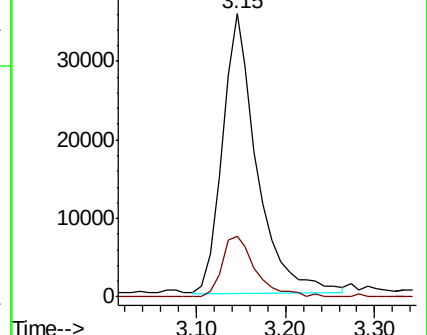
43 100

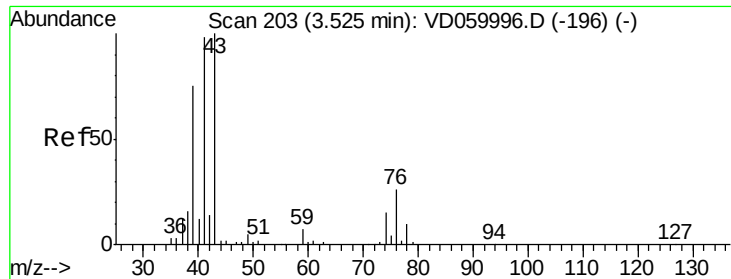
58 21.5 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

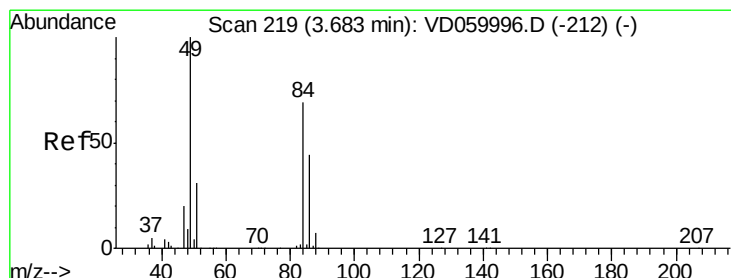
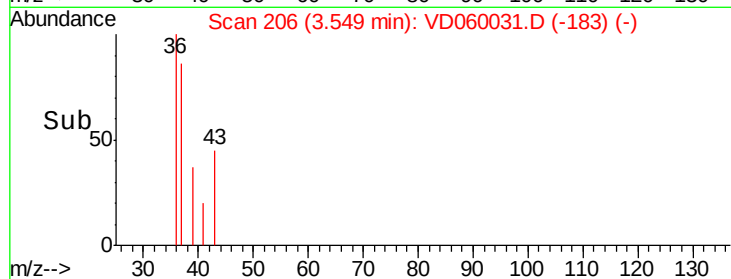
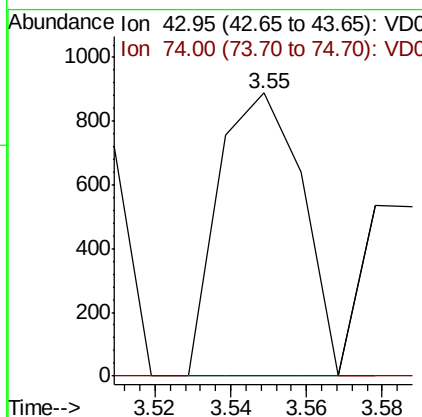
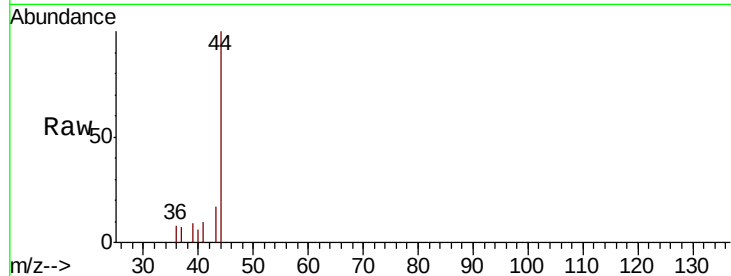




#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

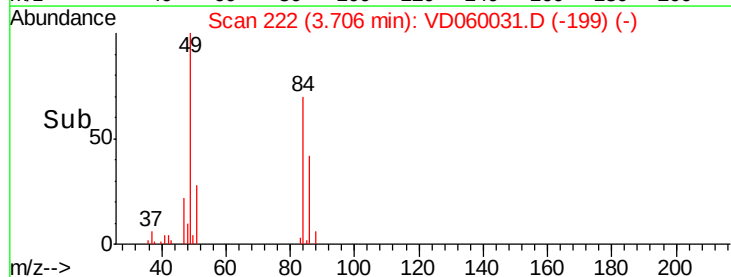
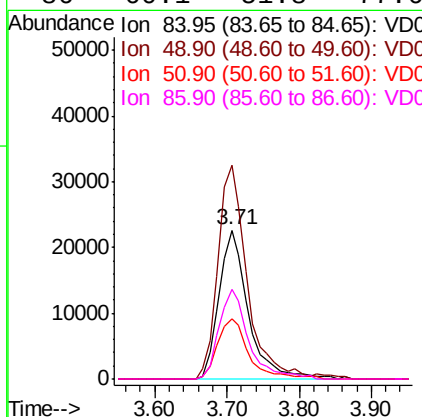
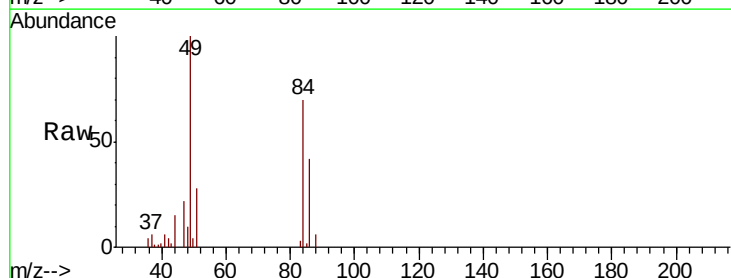
Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-6RE

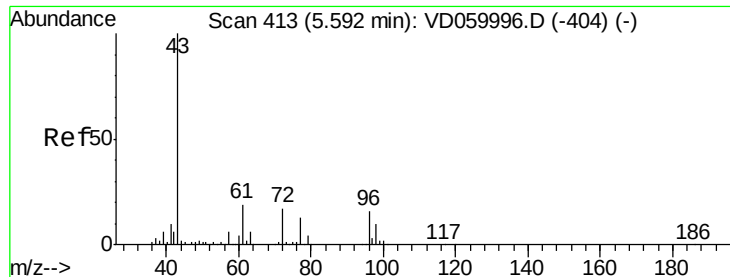
Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 9.001 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

Tgt Ion: 84 Resp: 63403
Ion Ratio Lower Upper
84 100
49 143.4 116.6 175.0
51 40.8 35.9 53.9
86 60.1 51.8 77.6





#25

2-Butanone

Concen: 16.253 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

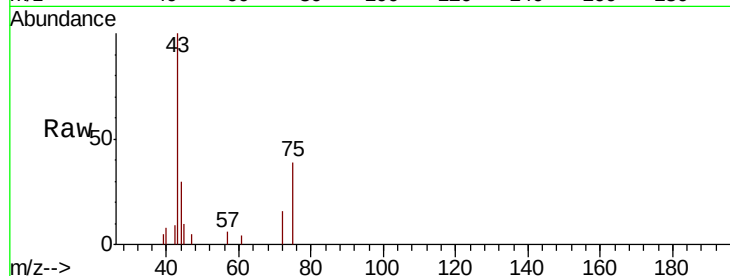
SP-PIT-6RE

Tgt Ion: 43 Resp: 26210

Ion Ratio Lower Upper

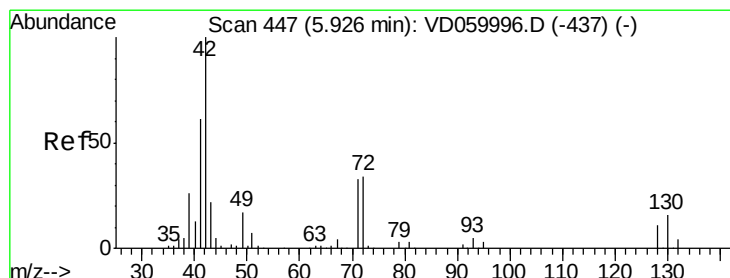
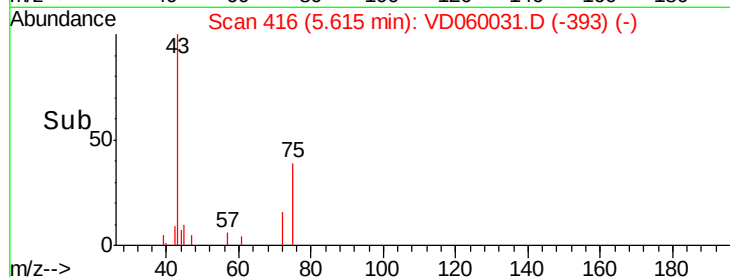
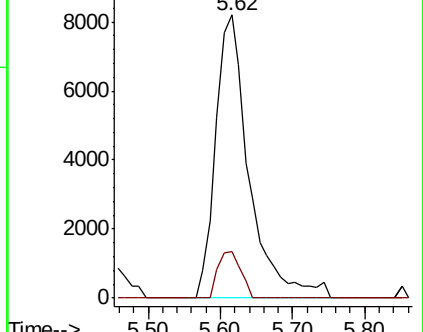
43 100

72 16.4 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: 3.763 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

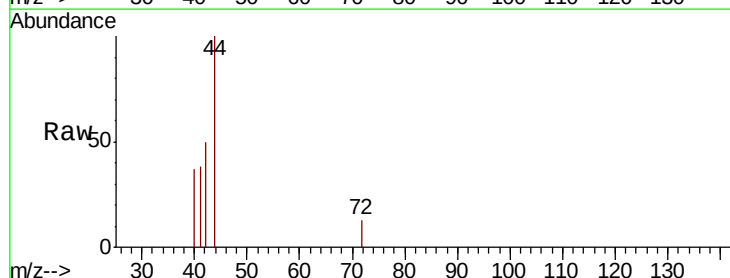
Tgt Ion: 42 Resp: 3254

Ion Ratio Lower Upper

42 100

72 11.2 26.9 40.3#

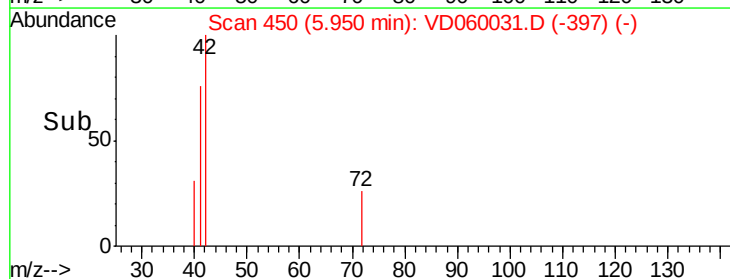
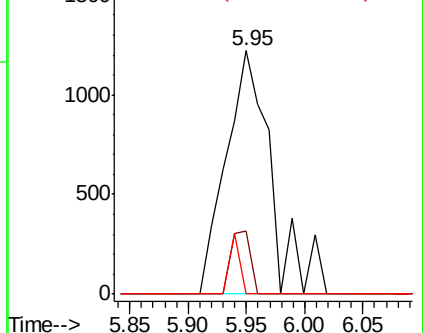
71 5.5 26.2 39.4#

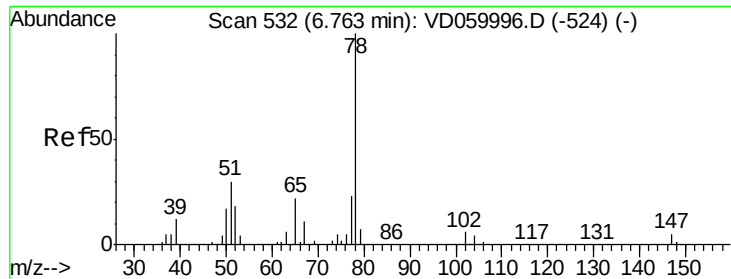


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

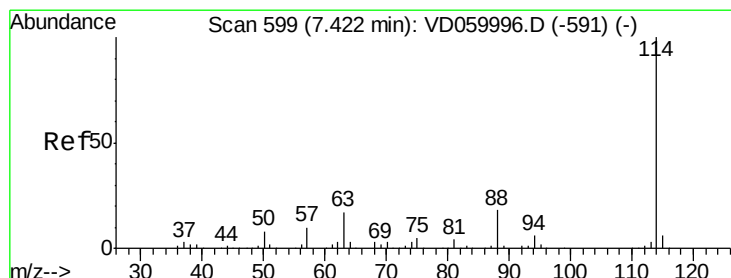
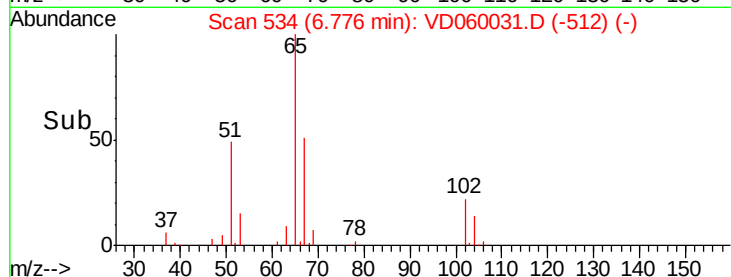
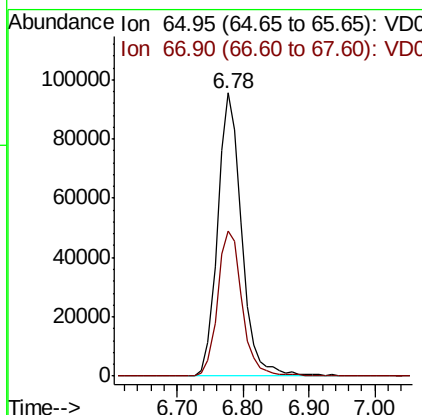
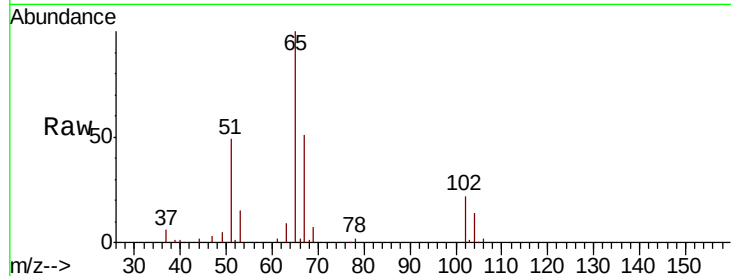




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

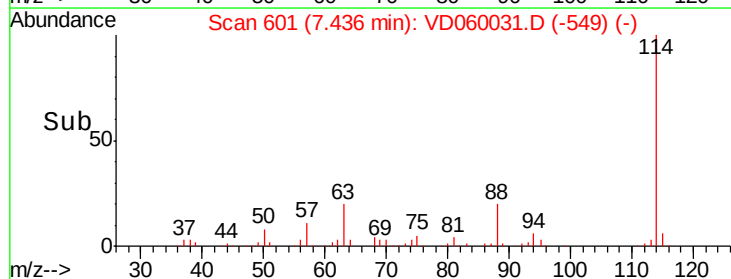
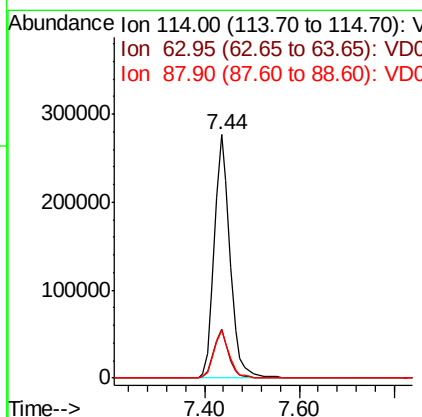
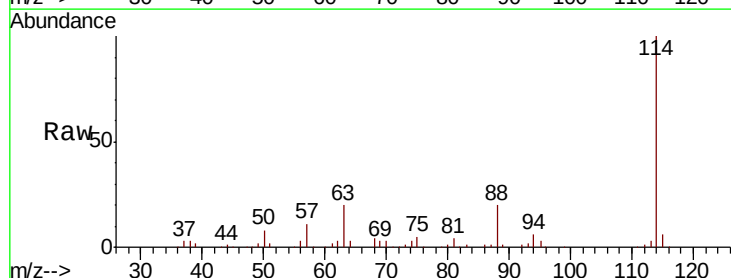
Instrument :
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 SP-PIT-6RE

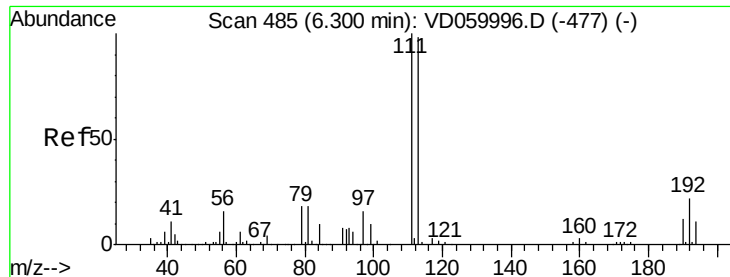
Tgt Ion: 65 Resp: 242003
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.01 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

Tgt Ion: 114 Resp: 639888
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 34.4
 88 19.6 0.0 35.8

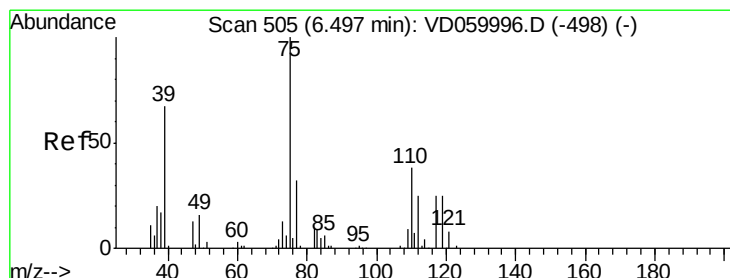
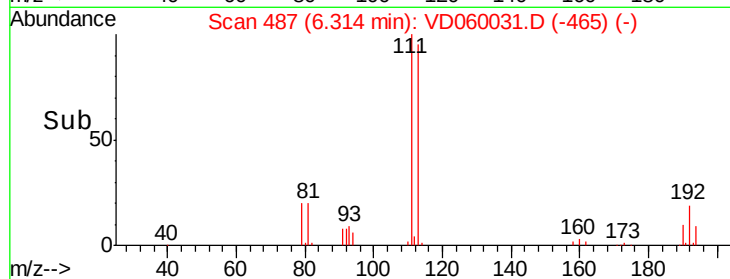
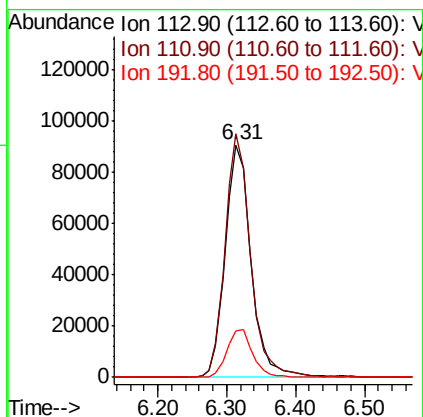
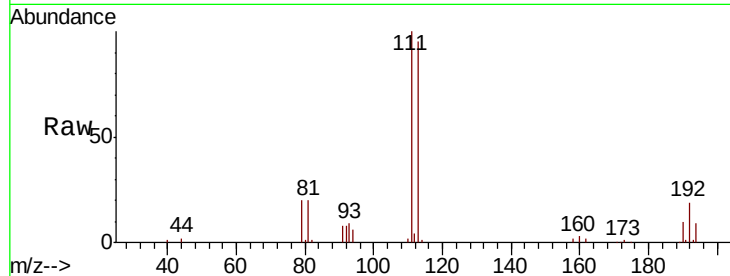




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

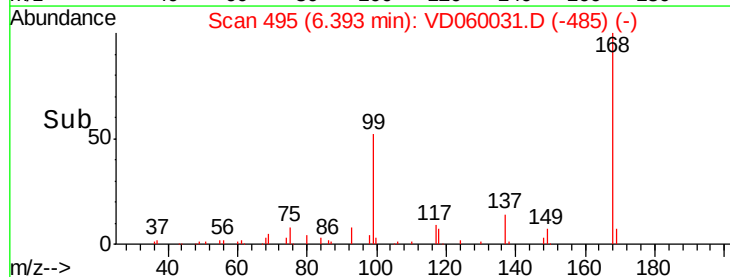
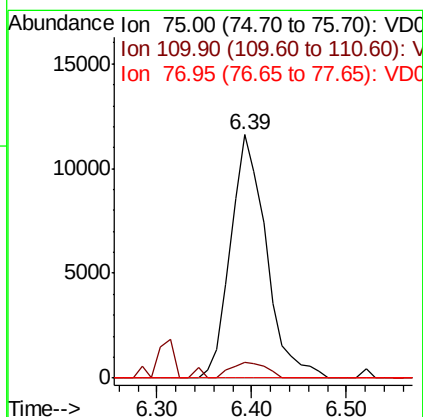
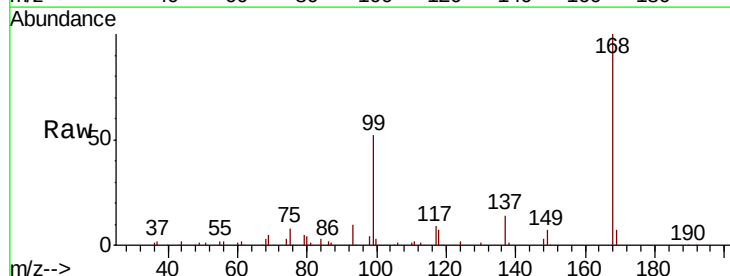
Instrument :
 MSVOA_D
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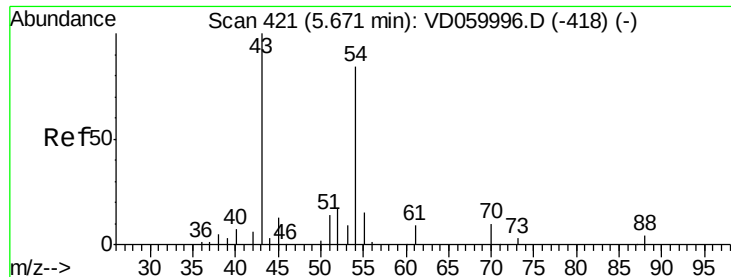
Tgt Ion:113 Resp: 237068
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.3 121.9
 192 19.9 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

Tgt Ion: 75 Resp: 30368
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.9 56.9#
 77 0.0 25.3 37.9#

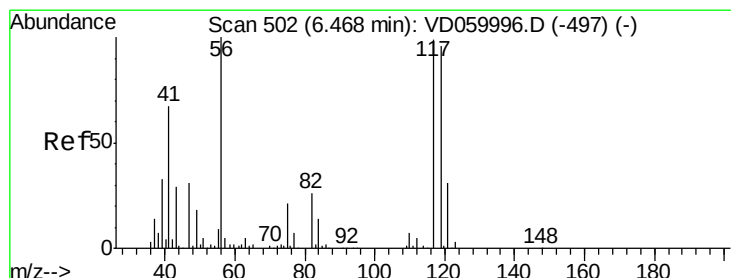
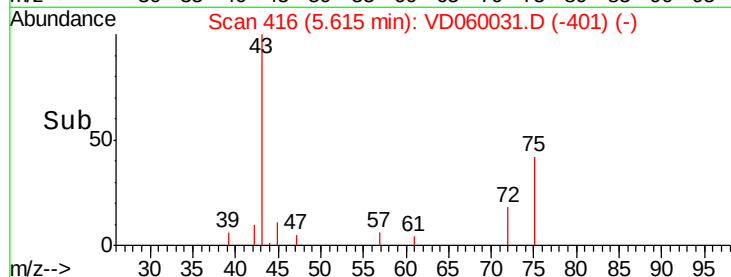
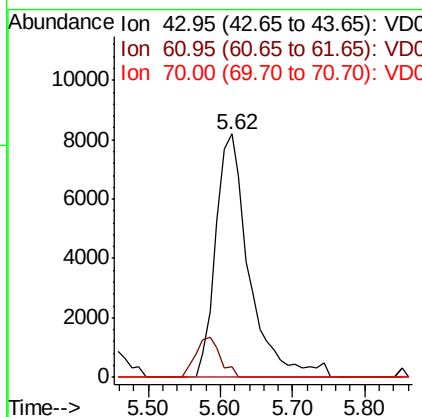
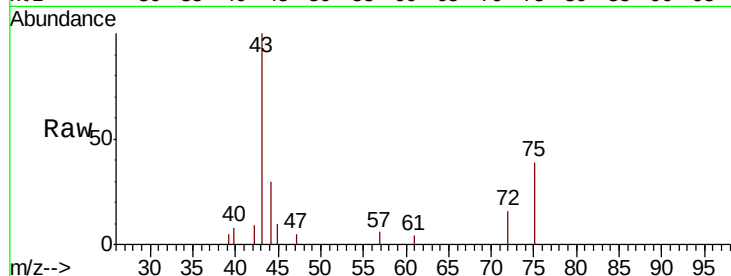




#37
Ethyl Acetate
 Concen: 5.996 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. -0.06 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

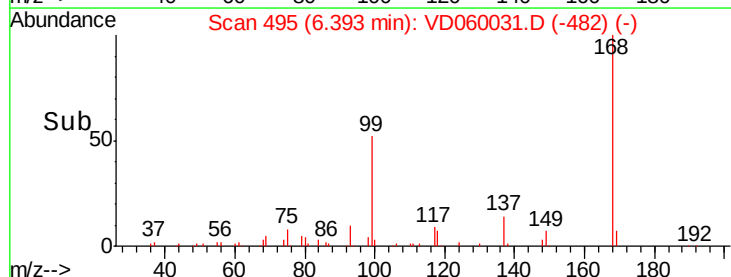
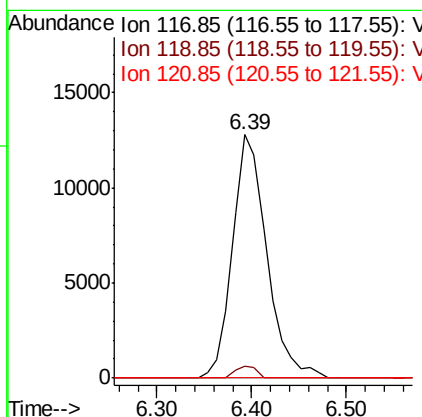
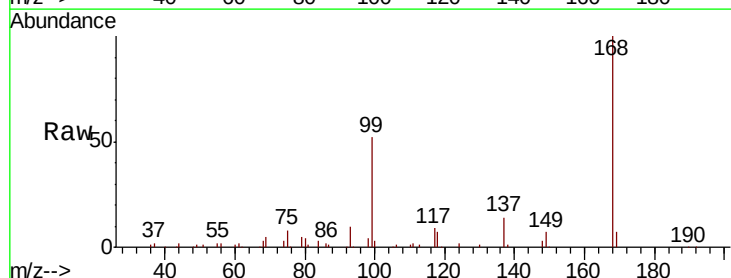
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-6RE

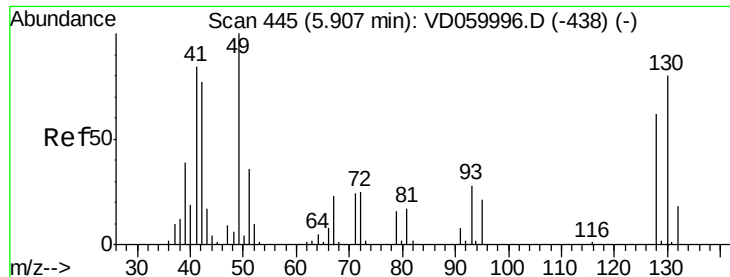
Tgt Ion: 43 Resp: 26210
 Ion Ratio Lower Upper
 43 100
 61 4.1 10.2 15.2#
 70 0.0 6.1 9.1#



#38
Carbon Tetrachloride
 Concen: 5.409 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.08 min
 Lab File: VD060031.D
 Acq: 17 Sep 2018 19:51

Tgt Ion: 117 Resp: 32097
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.7 115.1#
 121 0.0 24.9 37.3#

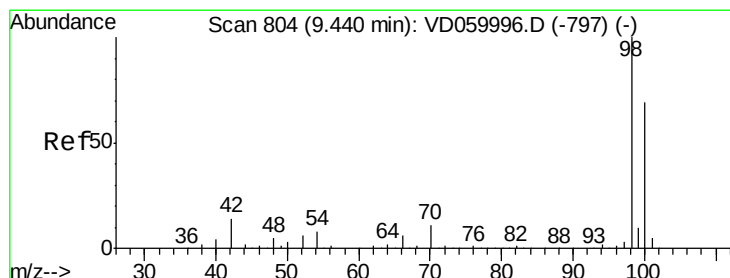
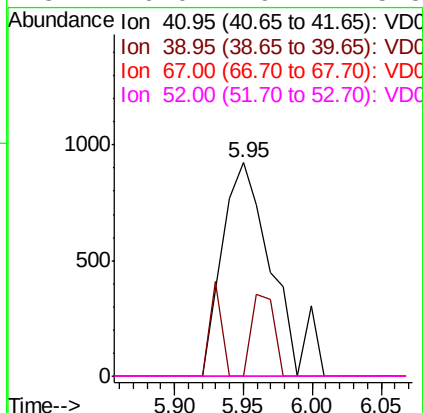
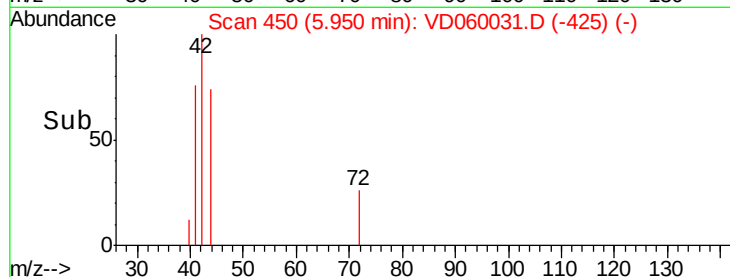
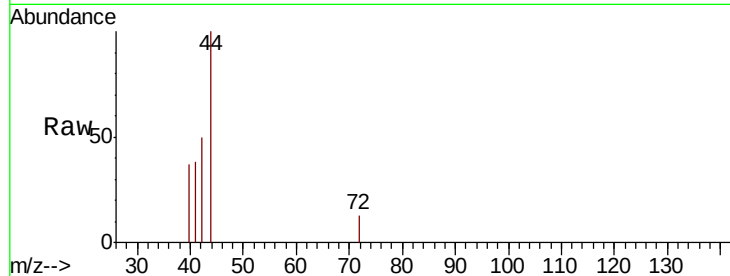




#41
Methacrylonitrile
Concen: 1.016 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.04 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

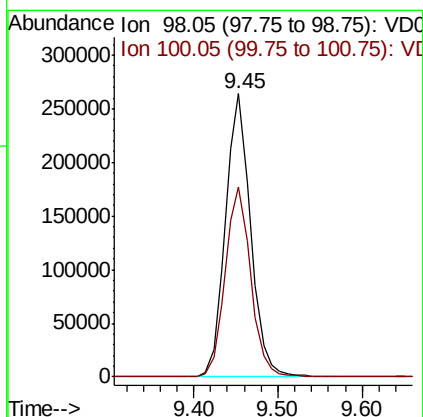
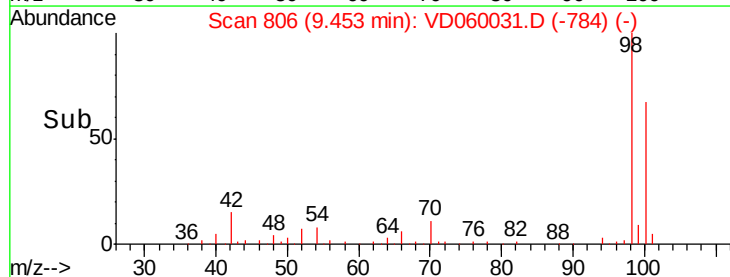
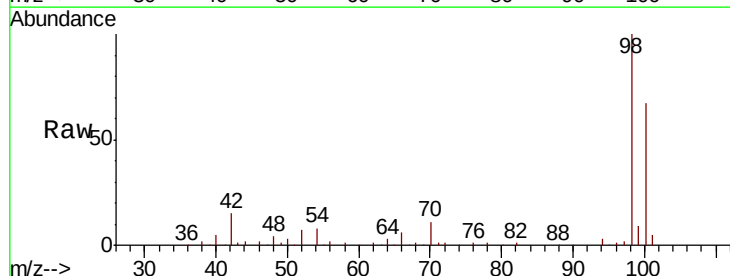
Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-6RE

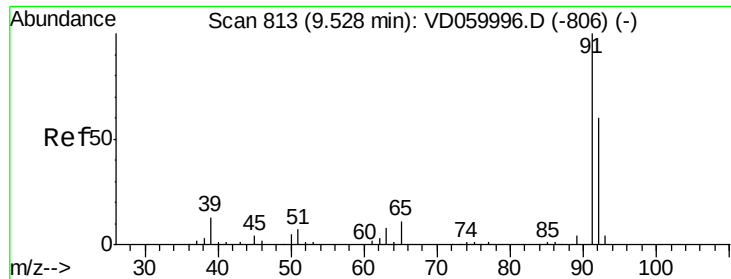
Tgt Ion: 41 Resp: 2327
Ion Ratio Lower Upper
41 100
39 0.0 37.5 56.3#
67 0.0 21.5 32.3#
52 0.0 9.2 13.8#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.01 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

Tgt Ion: 98 Resp: 547552
Ion Ratio Lower Upper
98 100
100 67.3 55.8 83.6





#52

Toluene

Concen: 2.183 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.01 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

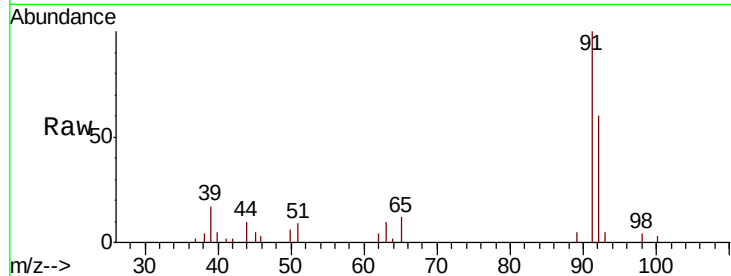
SP-PIT-6RE

Tgt Ion: 92 Resp: 22670

Ion Ratio Lower Upper

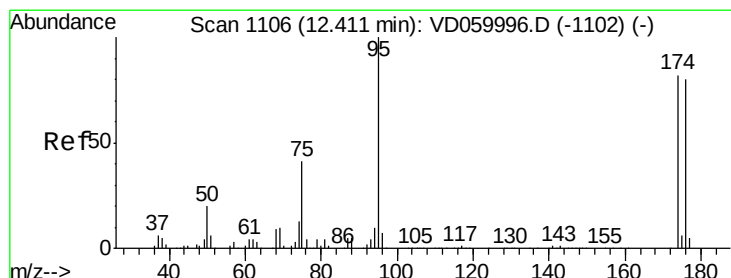
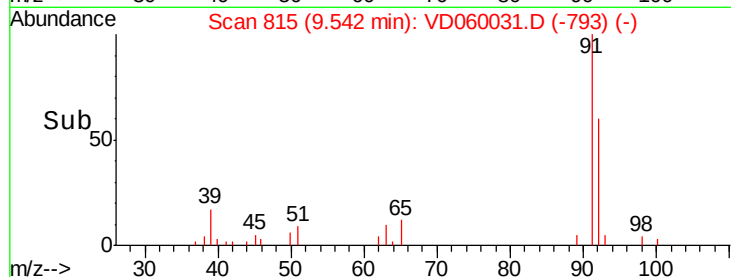
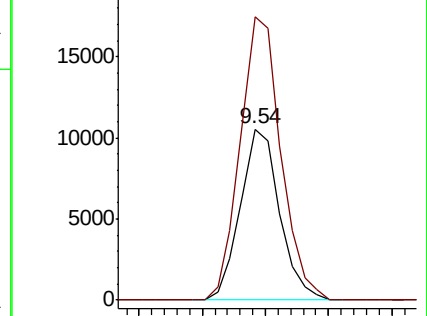
92 100

91 165.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

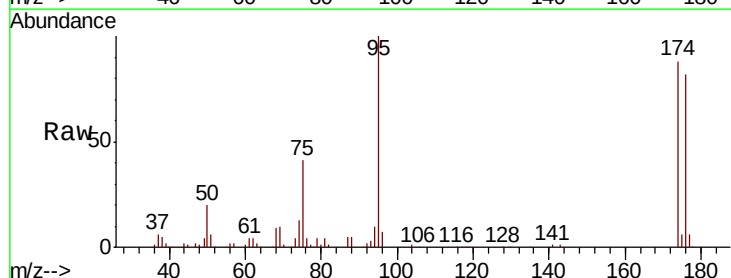
Tgt Ion: 95 Resp: 209019

Ion Ratio Lower Upper

95 100

174 87.6 0.0 165.0

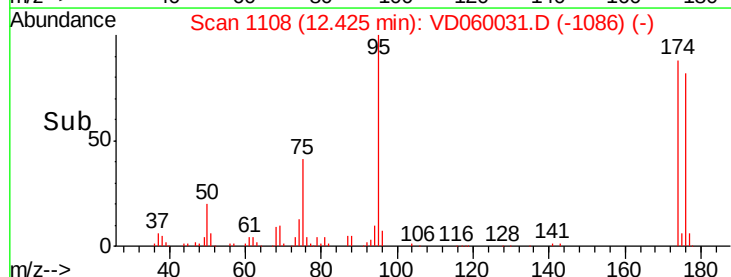
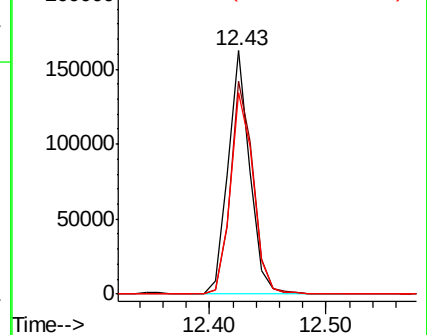
176 82.5 0.0 160.2

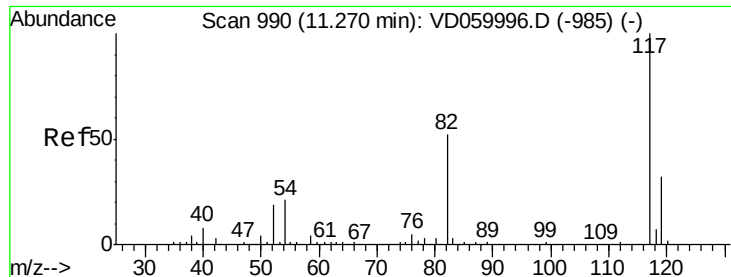


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

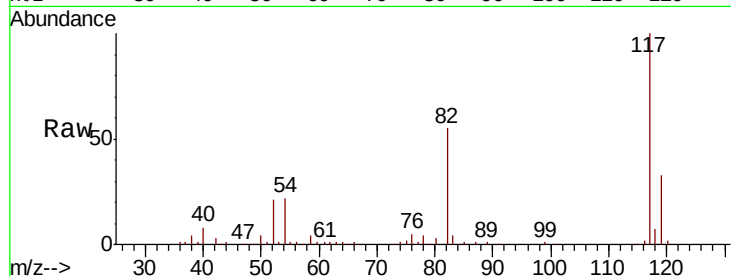




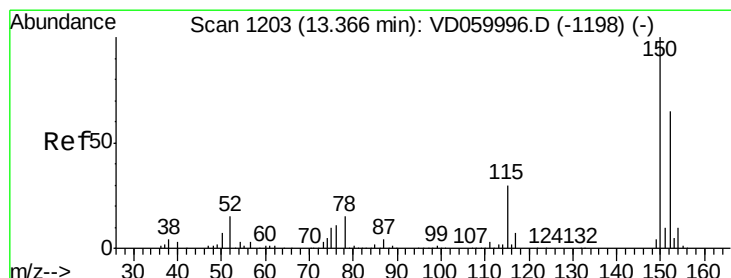
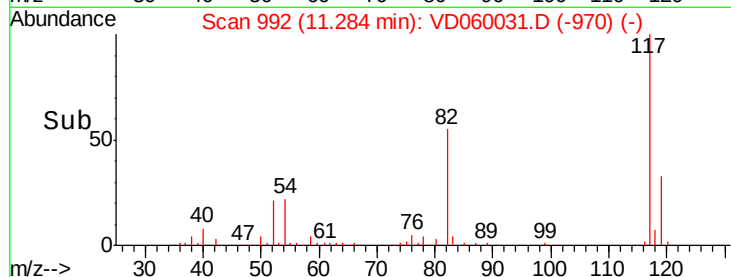
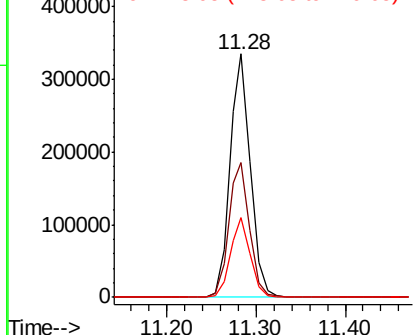
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-6RE

Tgt Ion:117 Resp: 540742
Ion Ratio Lower Upper
117 100
82 55.2 41.7 62.5
119 32.8 26.0 39.0

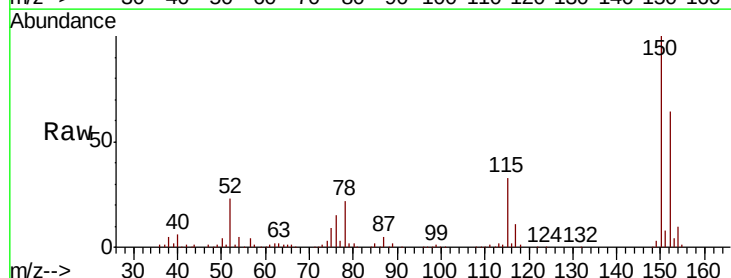


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

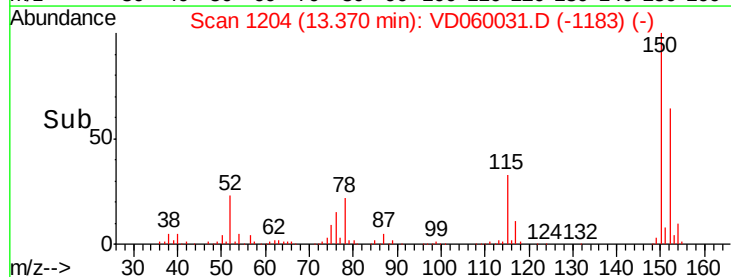
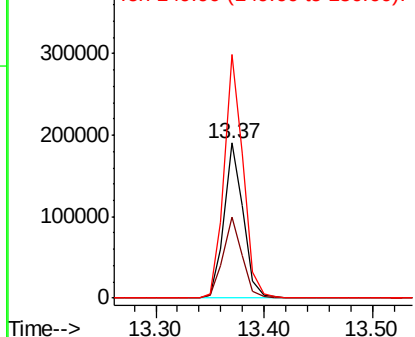


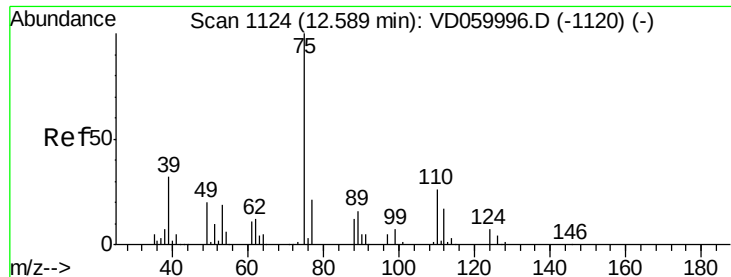
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

Tgt Ion:152 Resp: 233643
Ion Ratio Lower Upper
152 100
115 52.1 24.6 73.8
150 156.9 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.697 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

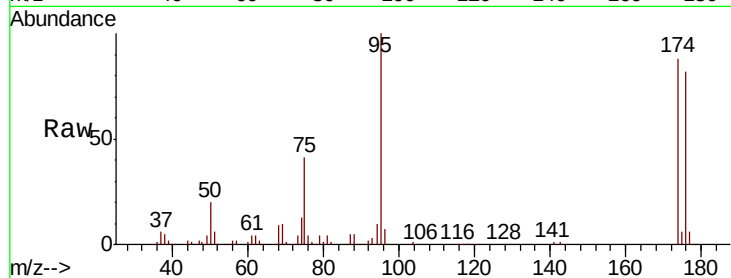
SP-PIT-6RE

Tgt Ion: 75 Resp: 84558

Ion Ratio Lower Upper

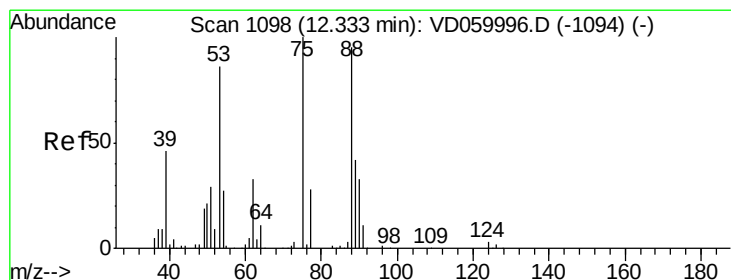
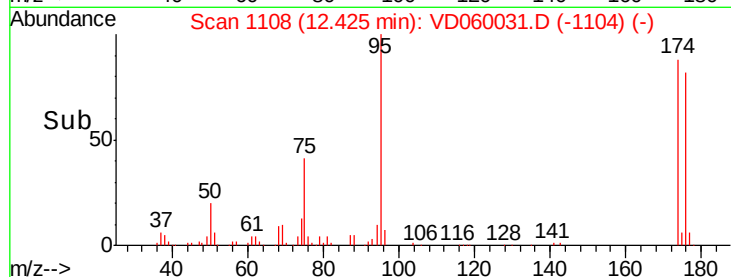
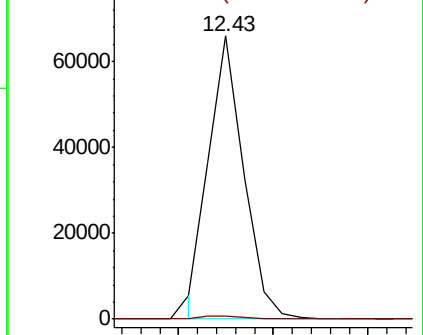
75 100

77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 81.501 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060031.D

Acq: 17 Sep 2018 19:51

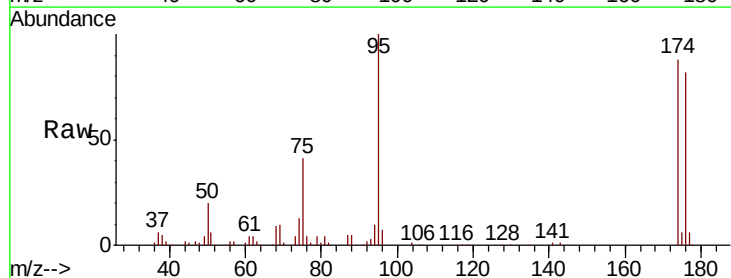
Tgt Ion: 75 Resp: 87790

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

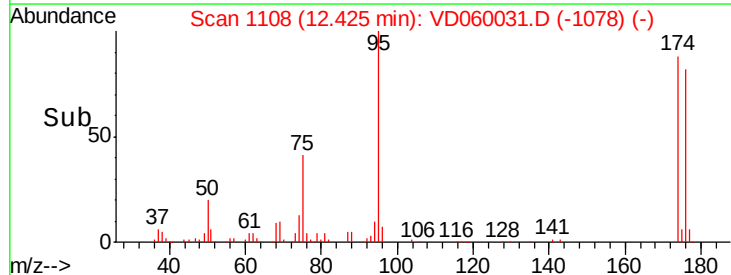
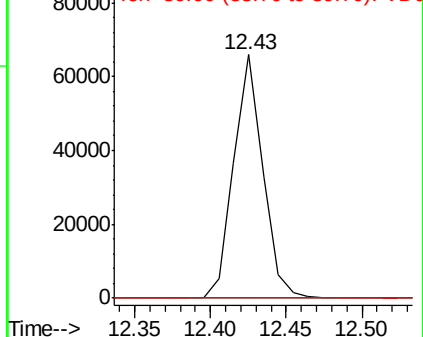
89 0.0 33.8 50.6#

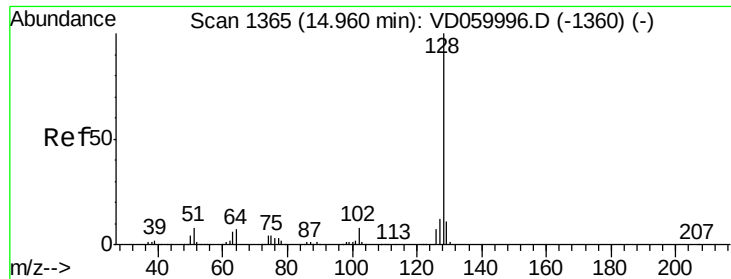


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

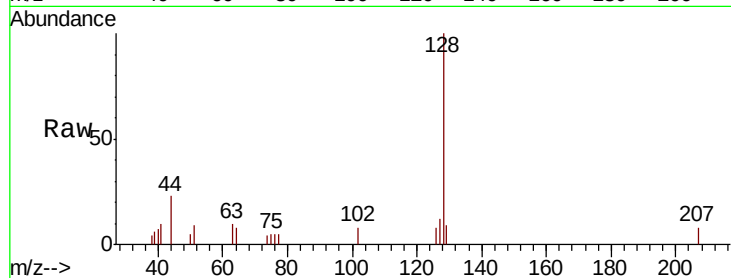




#95
Naphthalene
Concen: 1.223 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060031.D
Acq: 17 Sep 2018 19:51

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-6RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.7	14.5
129	9.0	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

