

Data File : VD059863.D
Acq On : 21 Aug 2018 18:44
Operator : JC/SY
Sample : J4553-02RE
Misc : 6.14g/5ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EPE-P-9(30-36)RE

Quant Time: Aug 22 01:13:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	806407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	1235982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	699829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	94356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	410770	63.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.28%	
35) Dibromofluoromethane	5.51	113	549384	60.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.18%	
50) Toluene-d8	8.67	98	1172173	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.91	95	202175	21.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.74%	

Target Compounds

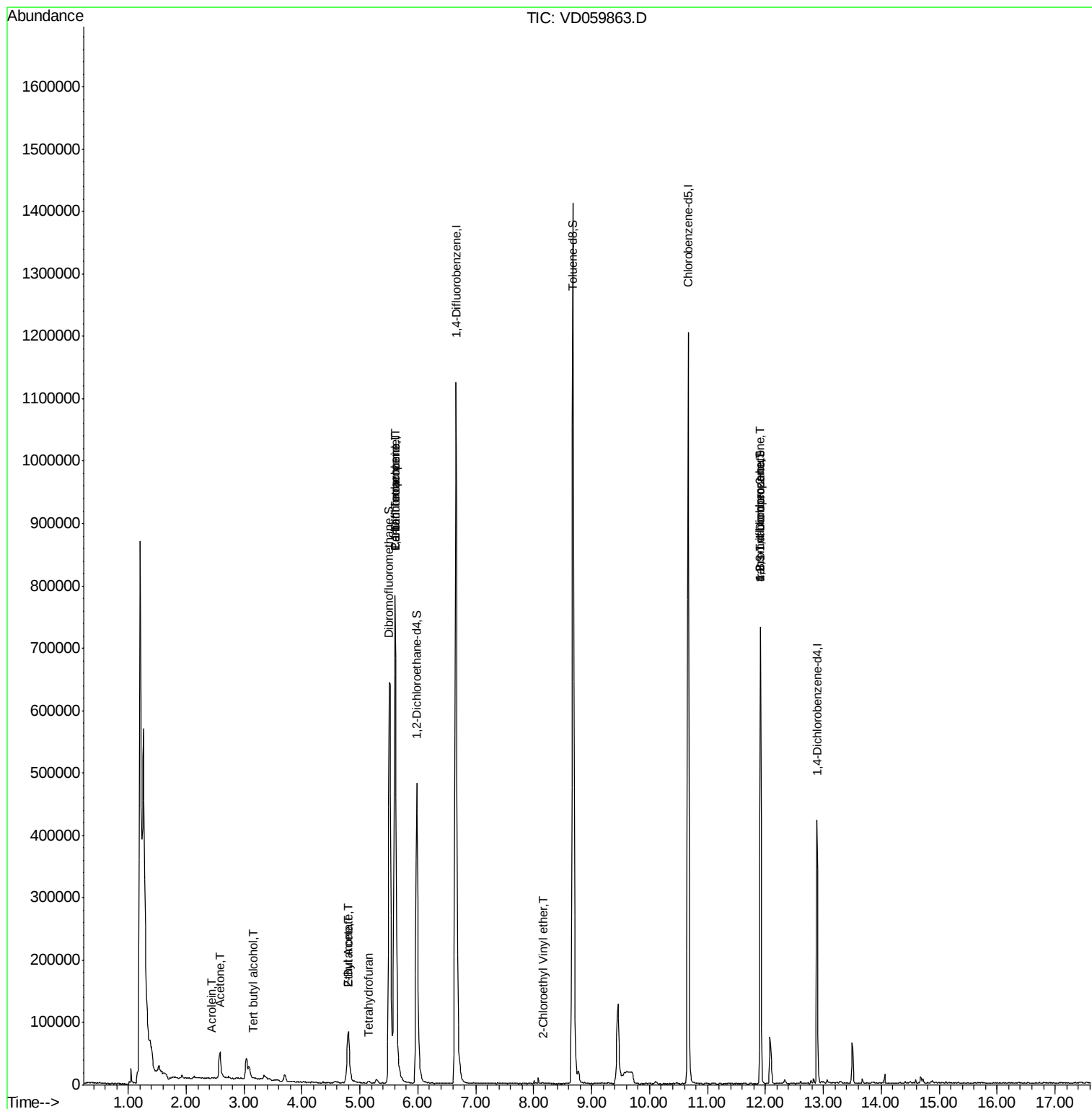
						Qvalue
11) Tert butyl alcohol	3.16	59	1657	6.945	ug/l #	67
13) Acrolein	2.46	56	736	4.072	ug/l #	59
16) Acetone	2.58	43	76052	70.307	ug/l	98
17) Carbon Disulfide	2.73	76	2515	Below Cal	#	76
18) Methyl Acetate	2.90	43	1160	Below Cal	#	65
20) Methylene Chloride	3.04	84	13227	Below Cal		92
25) 2-Butanone	4.80	43	17035	5.210	ug/l #	91
29) Tetrahydrofuran	5.14	42	3214	1.941	ug/l #	42
31) Cyclohexane	5.60	56	15992	Below Cal	#	1
36) 1,1-Dichloropropene	5.60	75	56962	5.434	ug/l #	46
37) Ethyl Acetate	4.80	43	17035	2.192	ug/l #	69
38) Carbon Tetrachloride	5.60	117	65612	6.272	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.15	63	195	9.543	ug/l #	51
67) Ethyl Benzene	10.83	91	750	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.91	75	56562	36.234	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.30	105	468	Below Cal	#	30
81) trans-1,4-Dichloro-2-buten	11.91	75	80948	165.882	ug/l #	10
82) 4-Chlorotoluene	12.31	91	621	Below Cal	#	48
89) n-Butylbenzene	13.17	91	233	Below Cal	#	30
91) 1,2-Dichlorobenzene	13.17	146	582	Below Cal	#	72

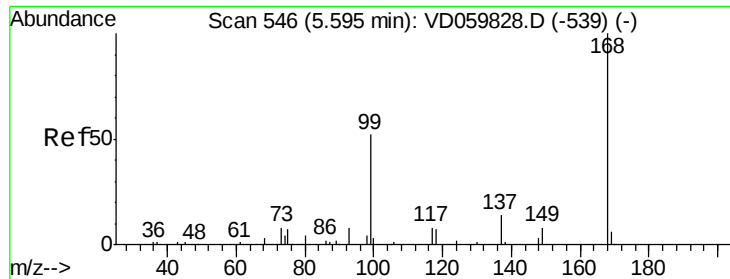
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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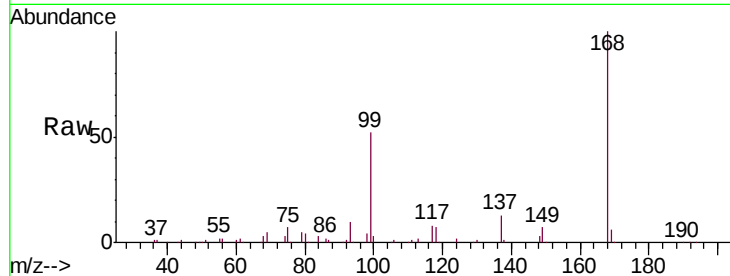


#1

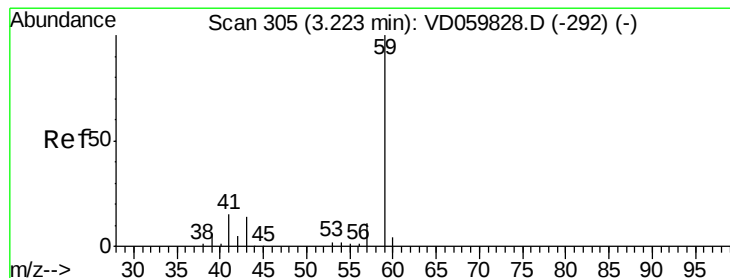
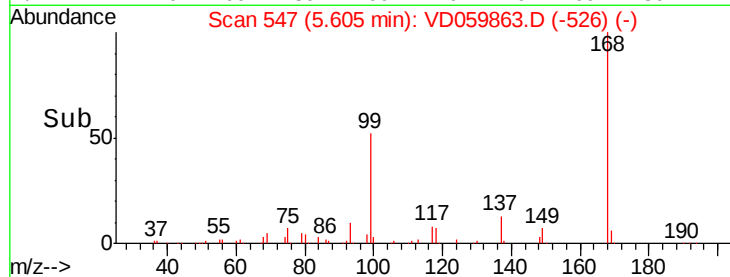
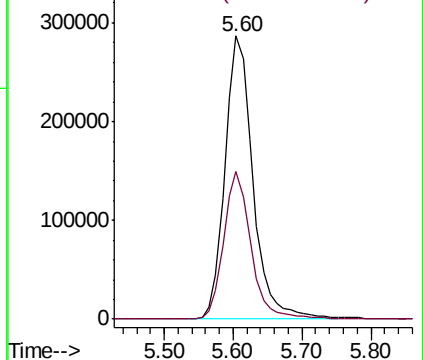
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 EPE-P-9(30-36)RE

Tgt Ion:168 Resp: 806407
 Ion Ratio Lower Upper
 168 100
 99 52.1 43.6 65.4



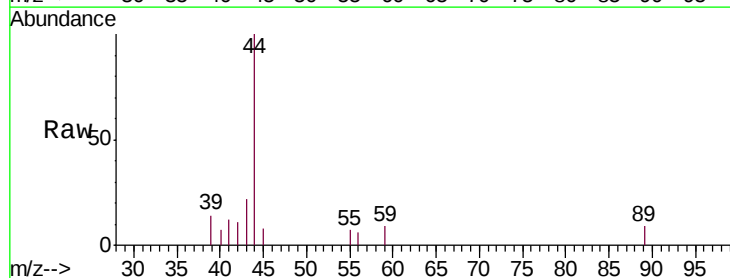
Abundance Ion 167.90 (167.60 to 168.60): V



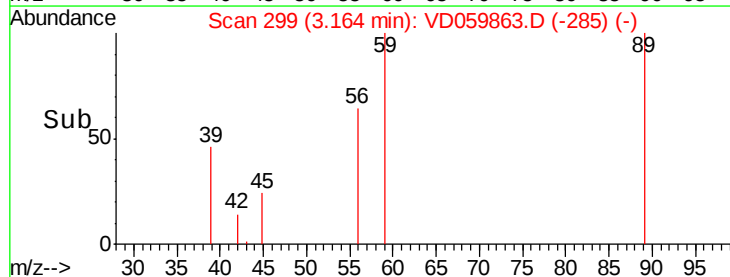
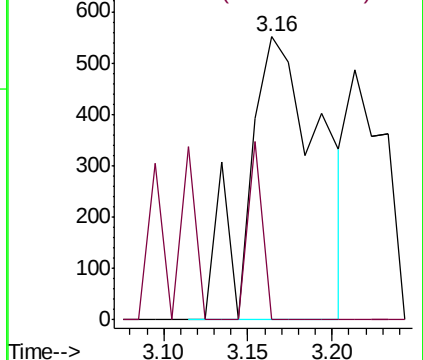
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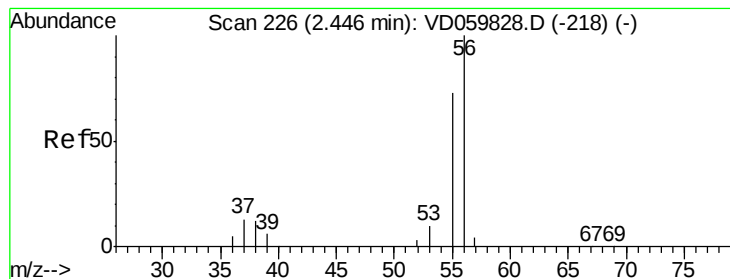
Tert butyl alcohol
 Concen: 6.945 ug/l
 RT: 3.16 min Scan# 299
 Delta R.T. -0.06 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

Tgt Ion: 59 Resp: 1657
 Ion Ratio Lower Upper
 59 100
 57 0.0 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC





#13

Acrolein

Concen: 4.072 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD059863.D

Acq: 21 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampleId :

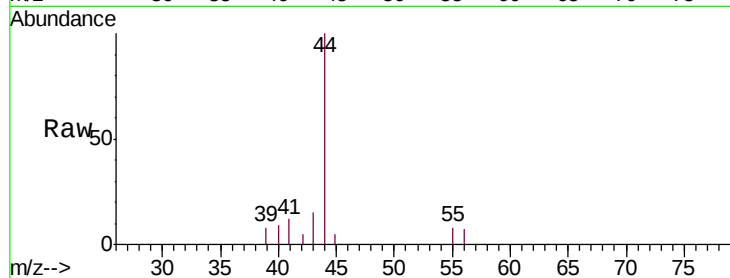
EPE-P-9(30-36)RE

Tgt Ion: 56 Resp: 736

Ion Ratio Lower Upper

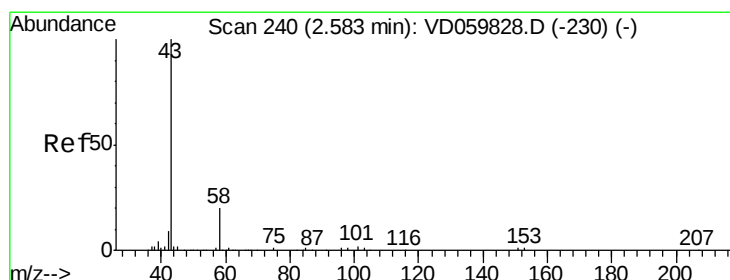
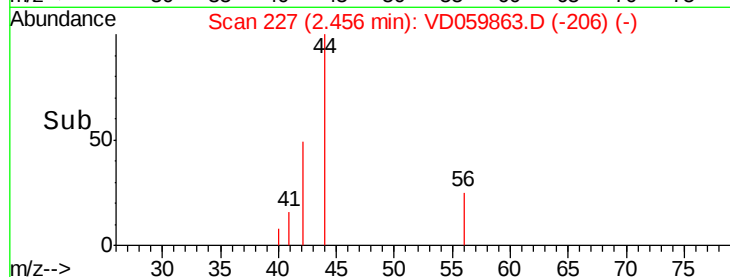
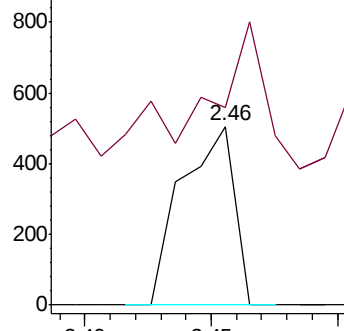
56 100

55 110.7 60.4 90.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 70.307 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059863.D

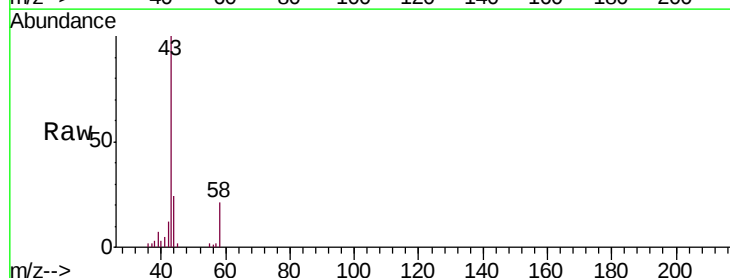
Acq: 21 Aug 2018 18:44

Tgt Ion: 43 Resp: 76052

Ion Ratio Lower Upper

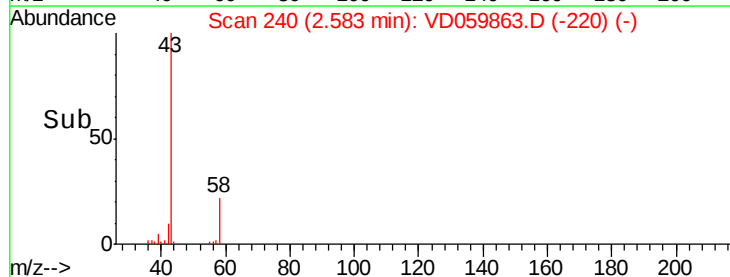
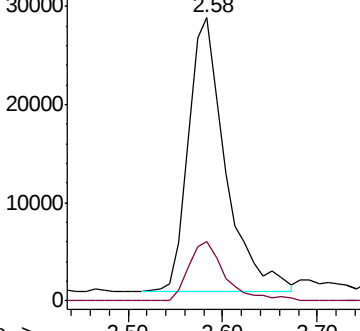
43 100

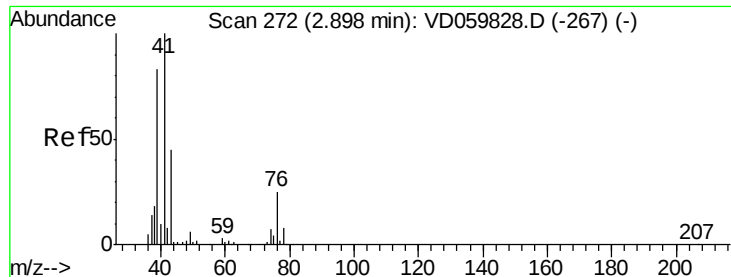
58 21.0 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

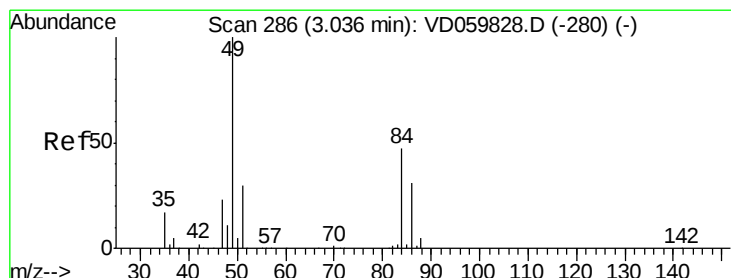
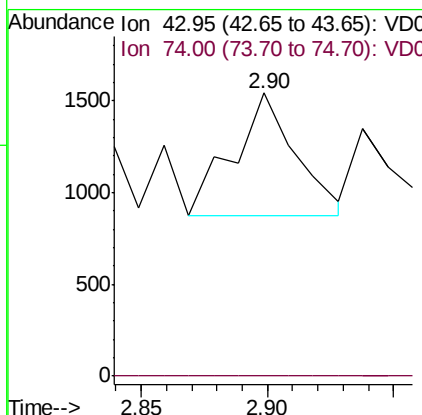
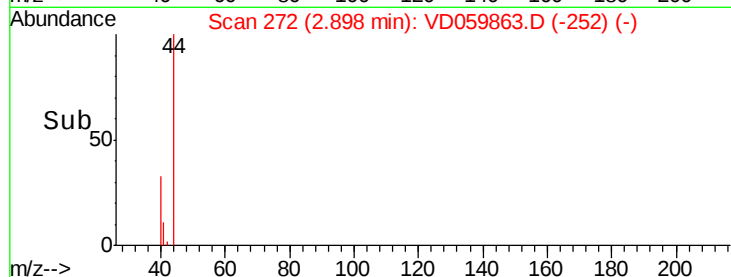
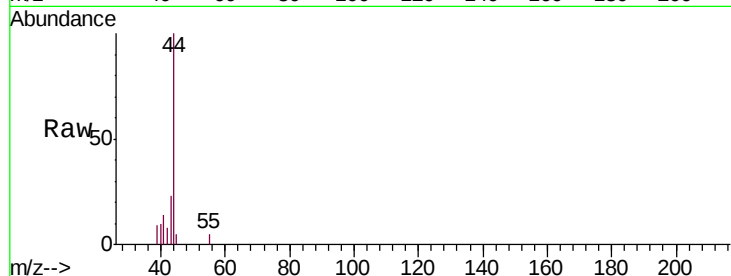




#18
Methyl Acetate
Concen: Below Cal
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

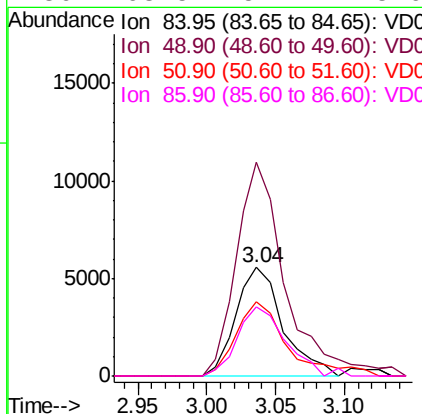
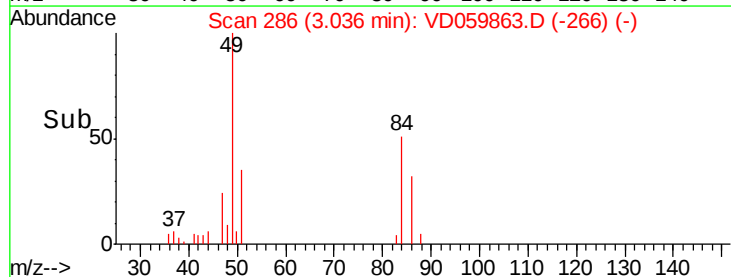
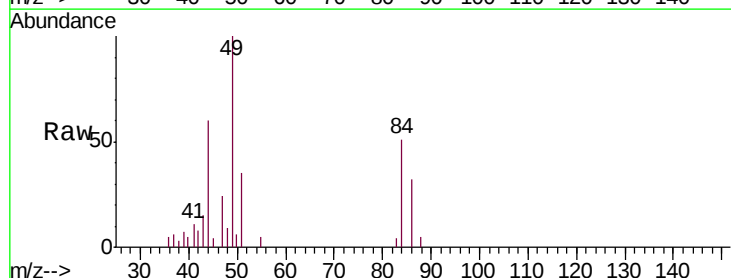
Instrument :
MSVOA_D
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EPE-P-9(30-36)RE

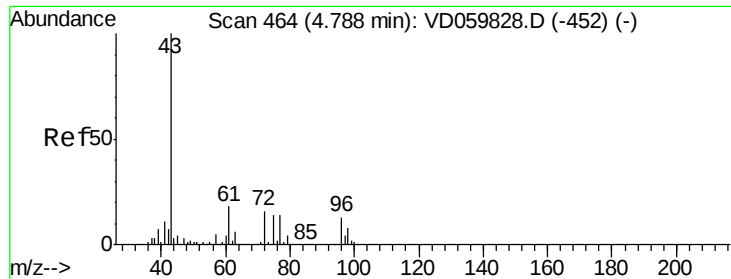
Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
74 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.04 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

Tgt Ion: 84 Resp: 13227
Ion Ratio Lower Upper
84 100
49 197.1 170.4 255.6
51 68.0 51.4 77.0
86 63.5 52.4 78.6





#25

2-Butanone

Concen: 5.210 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059863.D

Acq: 21 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampleId :

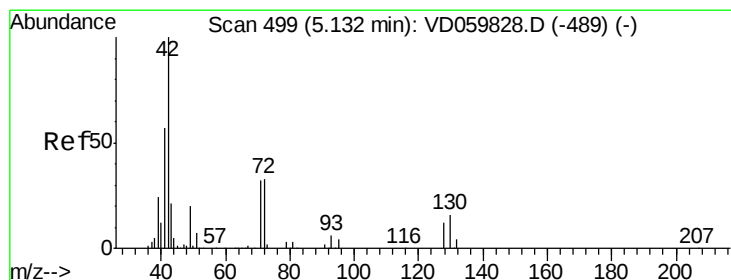
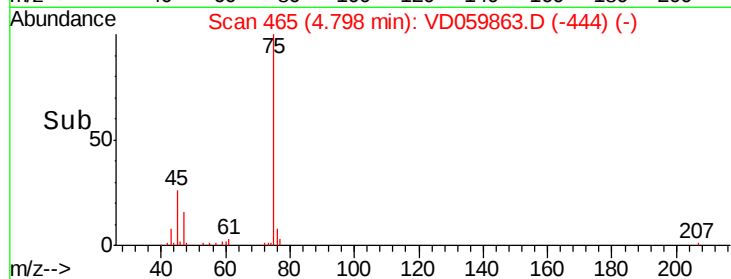
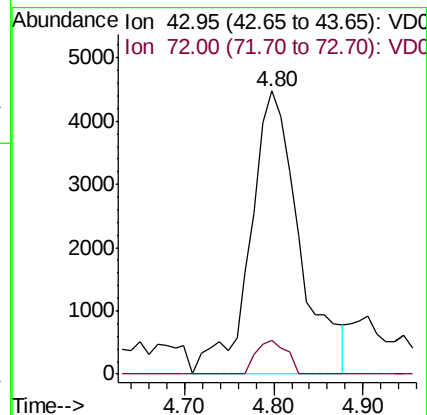
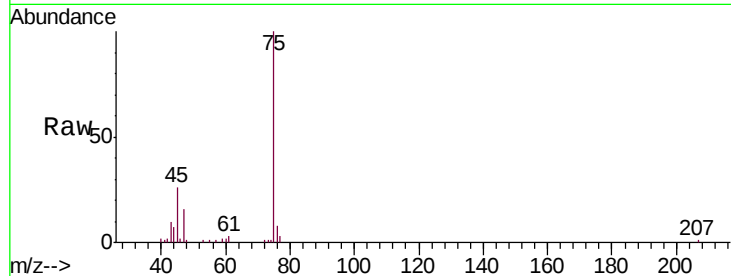
EPE-P-9(30-36)RE

Tgt Ion: 43 Resp: 17035

Ion Ratio Lower Upper

43 100

72 11.8 12.4 18.6#



#29

Tetrahydrofuran

Concen: 1.941 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059863.D

Acq: 21 Aug 2018 18:44

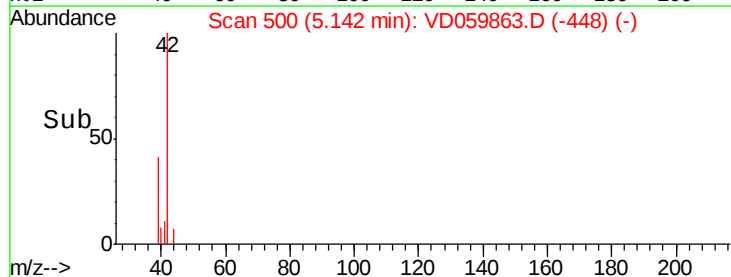
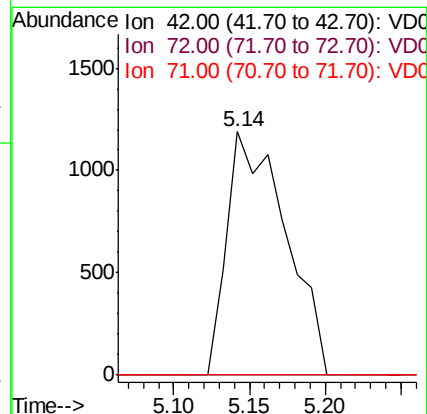
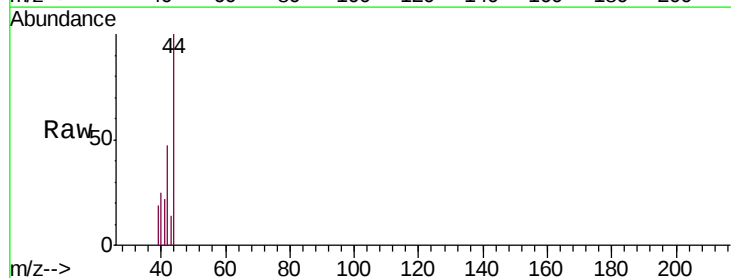
Tgt Ion: 42 Resp: 3214

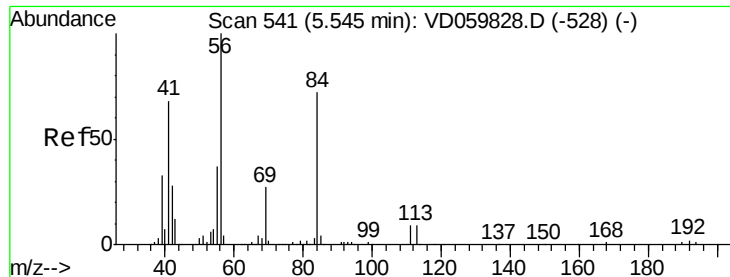
Ion Ratio Lower Upper

42 100

72 0.0 25.8 38.6#

71 0.0 25.7 38.5#

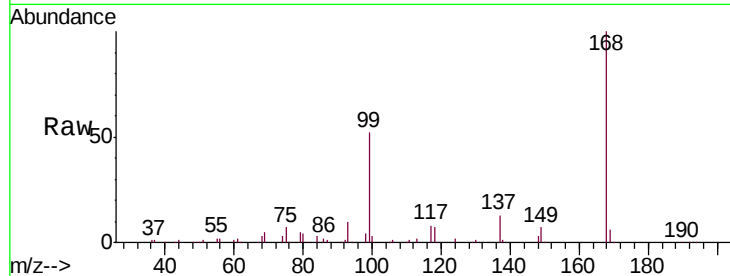




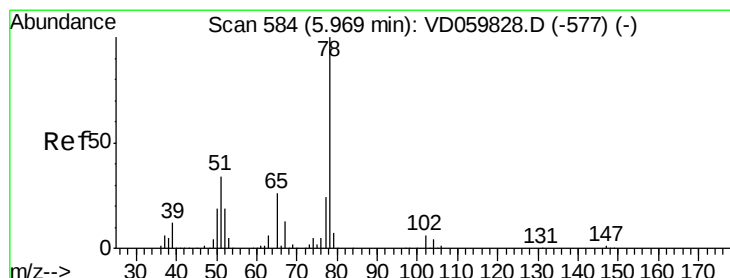
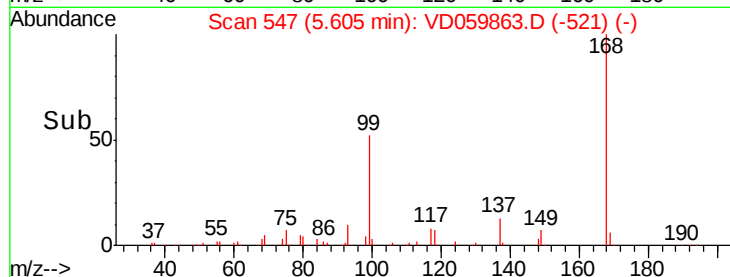
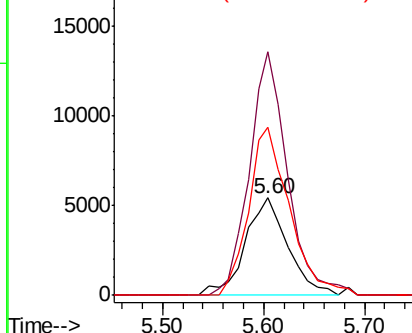
#31
Cyclohexane
Concen: Below Cal
RT: 5.60 min Scan# 547
Delta R.T. 0.06 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

Instrument :
MSVOA_D
ClientSampleId :
EPE-P-9(30-36)RE

Tgt Ion: 56 Resp: 15992
Ion Ratio Lower Upper
56 100
69 249.9 21.7 32.5#
84 172.9 57.8 86.6#

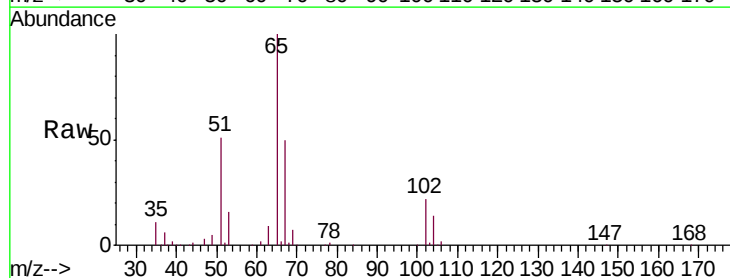


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

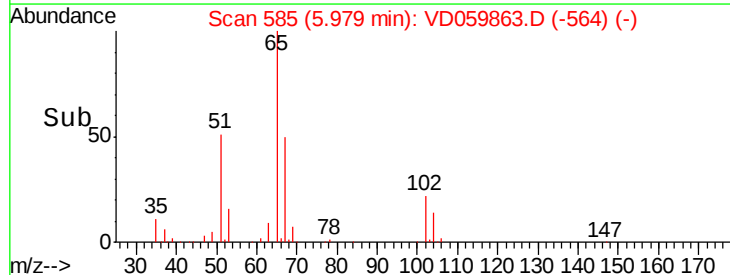
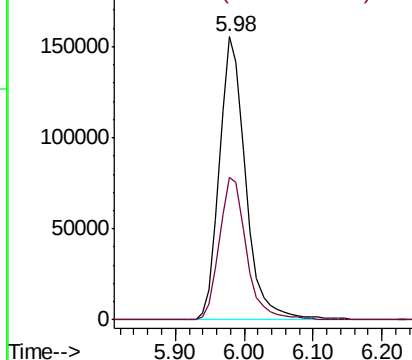


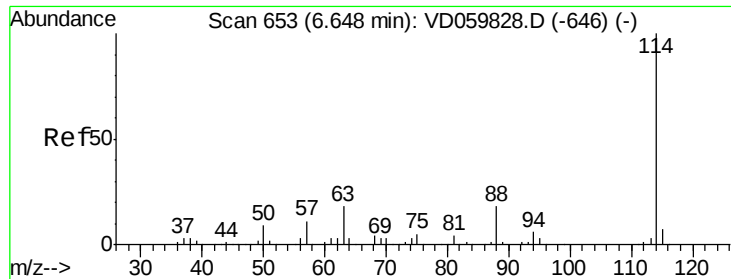
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.01 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

Tgt Ion: 65 Resp: 410770
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4



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

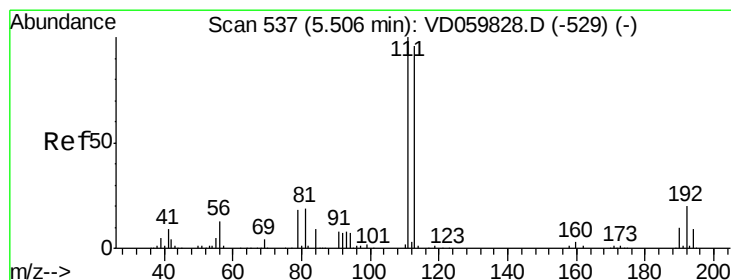
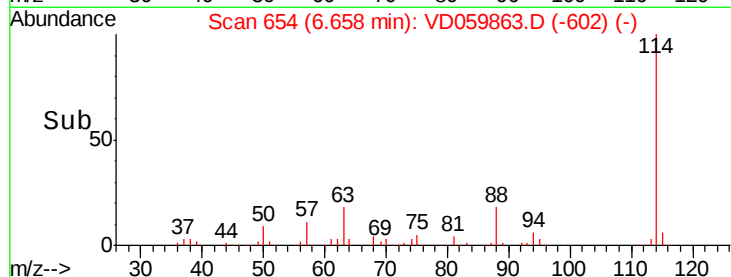
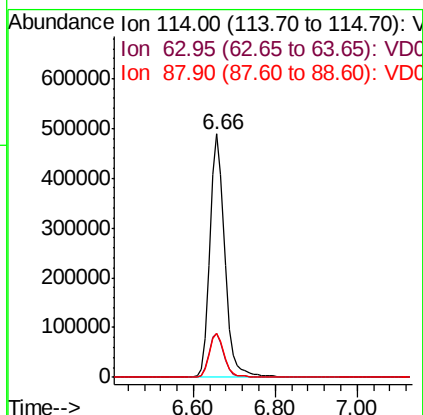
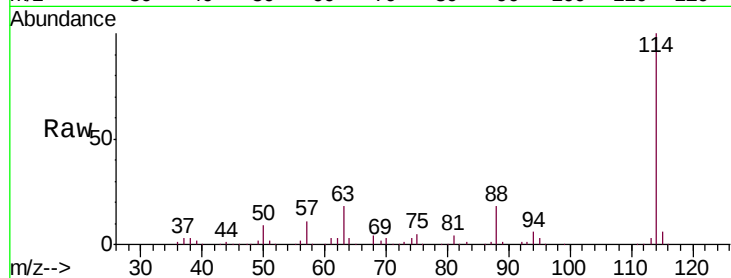




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

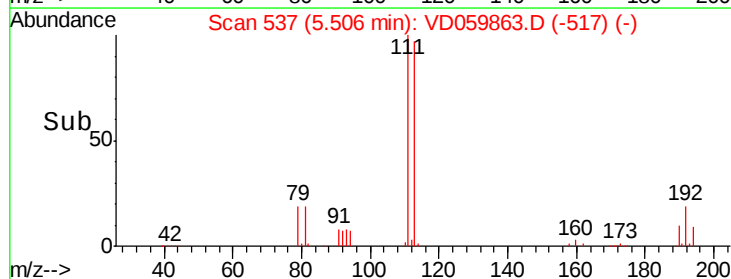
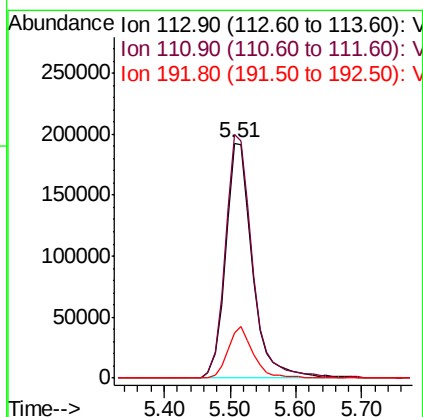
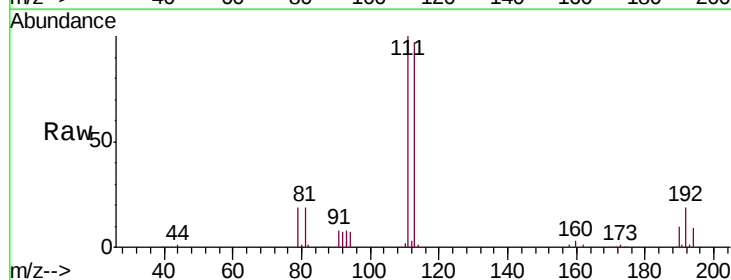
Instrument :
 MSVOA_D
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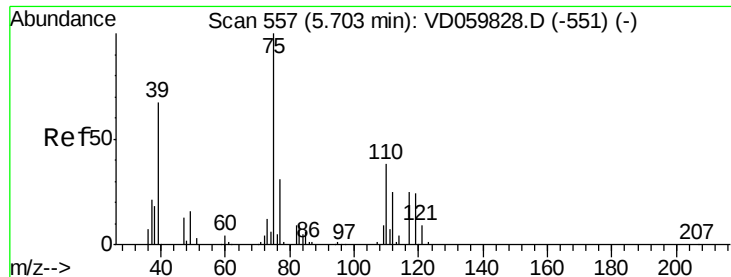
Tgt Ion:114 Resp: 1235982
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.0
 88 18.3 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

Tgt Ion:113 Resp: 549384
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.3 124.9
 192 19.4 16.8 25.2

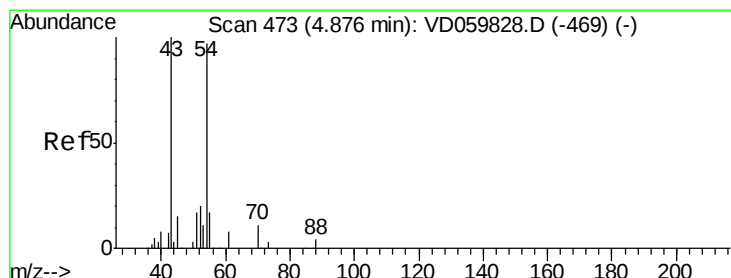
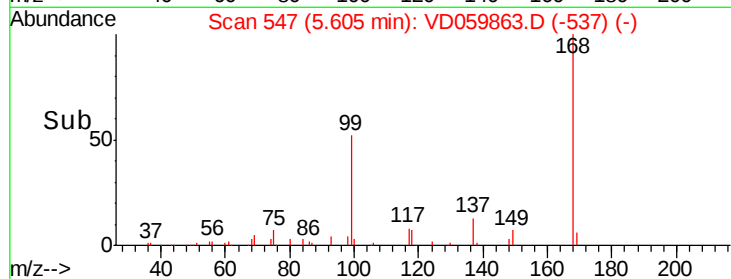
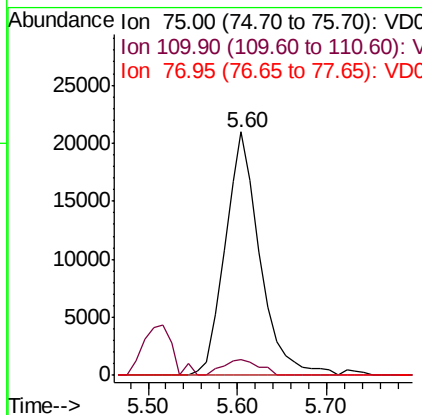
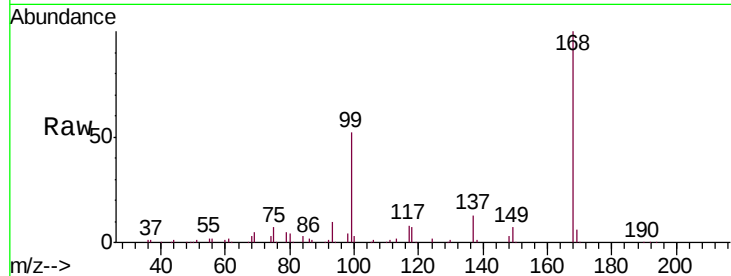




#36
 1,1-Dichloropropene
 Concen: 5.434 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

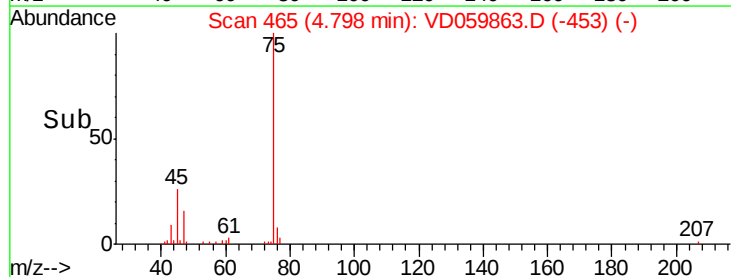
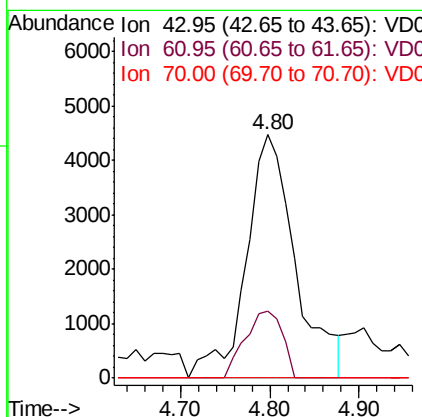
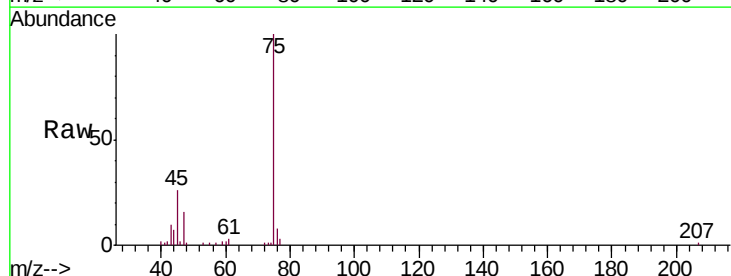
Instrument :
 MSVOA_D
 ClientSampleId :
 EPE-P-9(30-36)RE

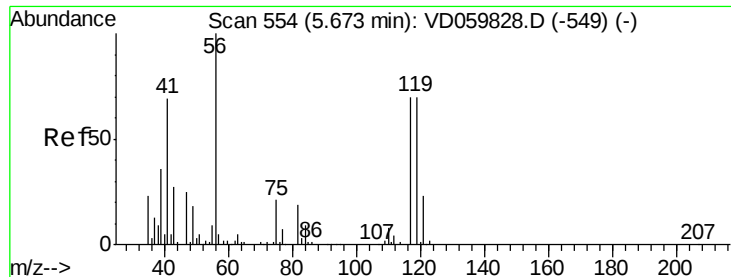
Tgt Ion: 75 Resp: 56962
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.8 56.4#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 2.192 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.08 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

Tgt Ion: 43 Resp: 17035
 Ion Ratio Lower Upper
 43 100
 61 27.4 10.4 15.6#
 70 0.0 6.2 9.2#

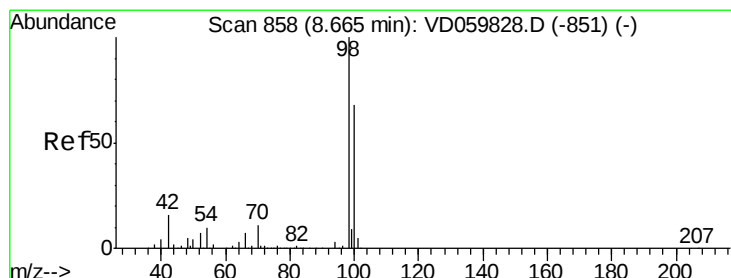
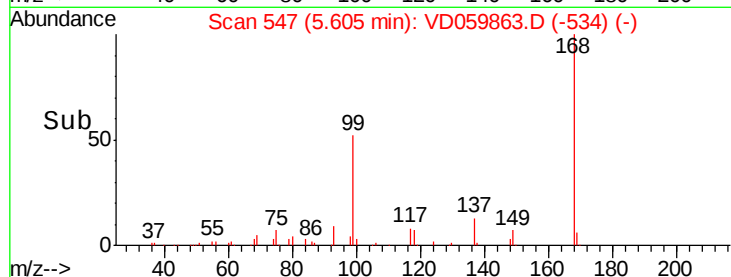
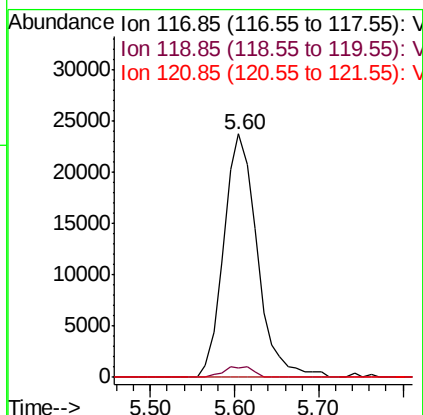
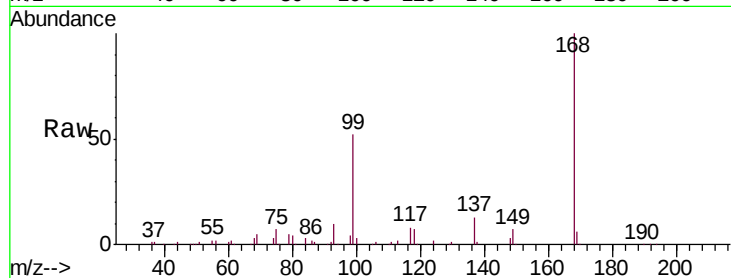




#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 5.60 min Scan# 547
Delta R.T. -0.07 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

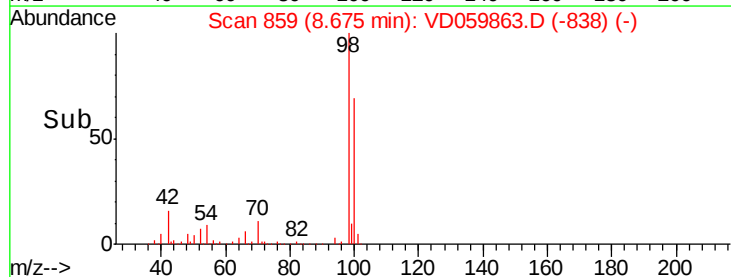
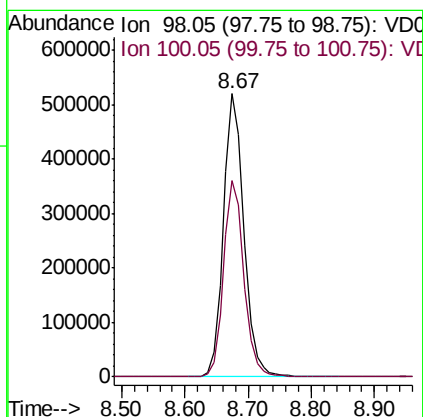
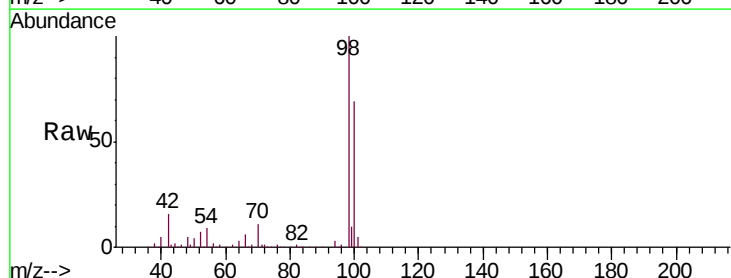
Instrument :
MSVOA_D
ClientSampleId :
EPE-P-9(30-36)RE

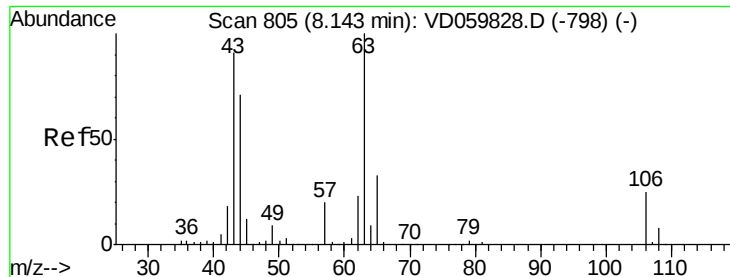
Tgt Ion:117 Resp: 65612
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.67 min Scan# 859
Delta R.T. 0.01 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

Tgt Ion: 98 Resp: 1172173
Ion Ratio Lower Upper
98 100
100 69.4 55.0 82.4

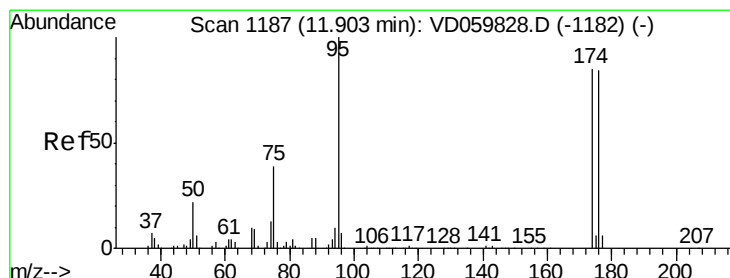
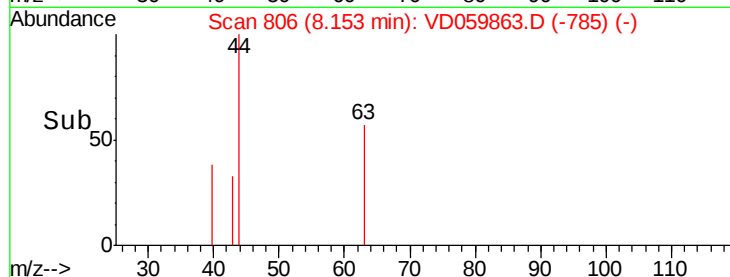
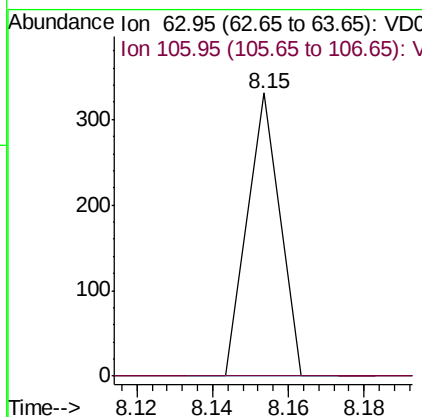
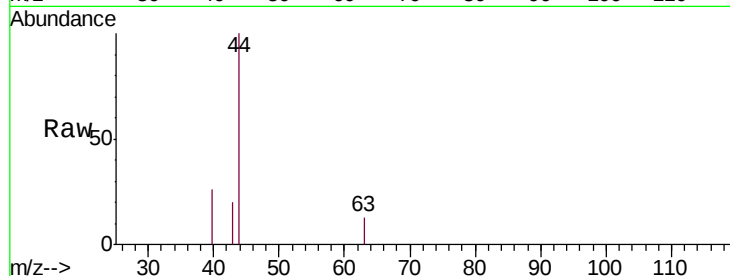




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.543 ug/l
 RT: 8.15 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

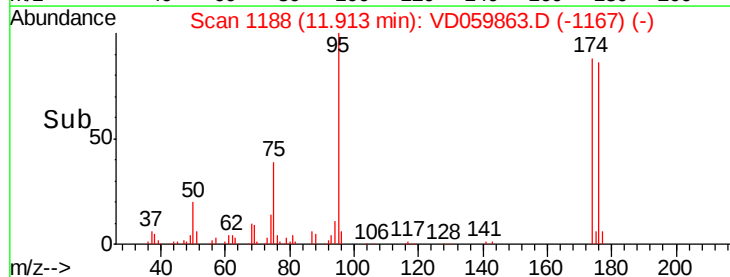
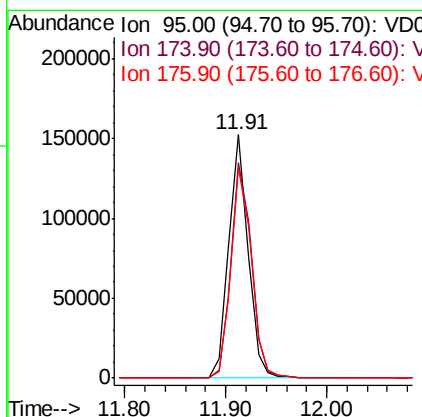
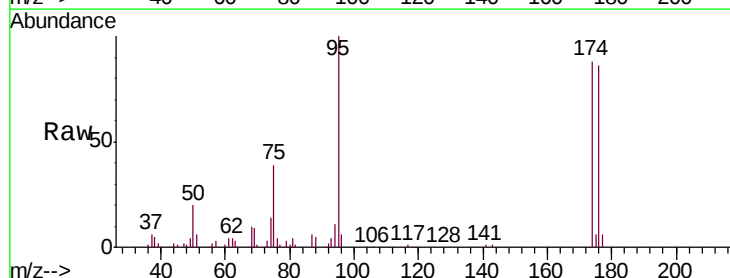
Instrument :
 MSVOA_D
 ClientSampleId :
 EPE-P-9(30-36)RE

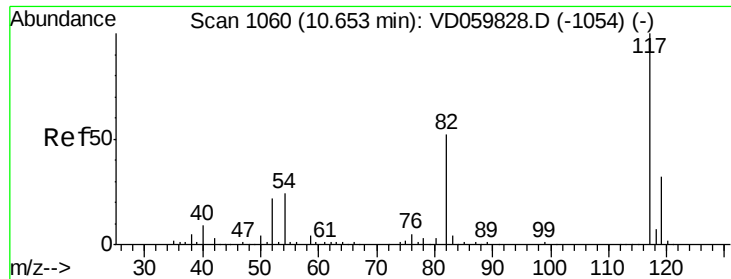
Tgt Ion: 63 Resp: 195
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.6 29.4#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.91 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059863.D
 Acq: 21 Aug 2018 18:44

Tgt Ion: 95 Resp: 202175
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 169.2
 176 86.5 0.0 168.0

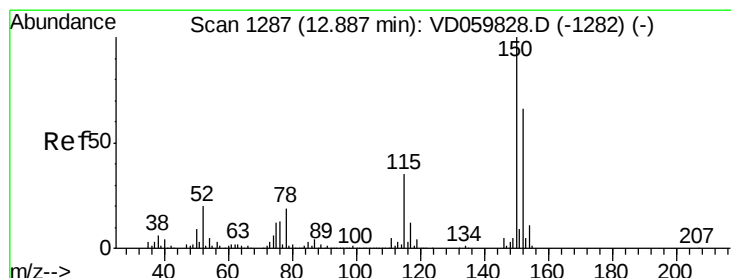
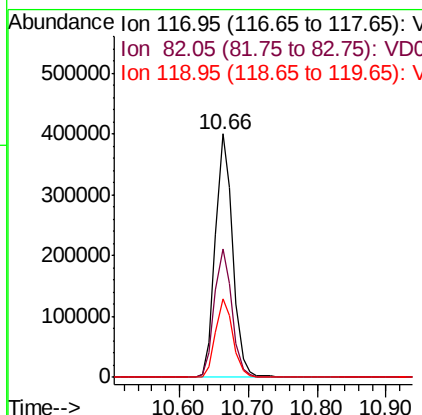
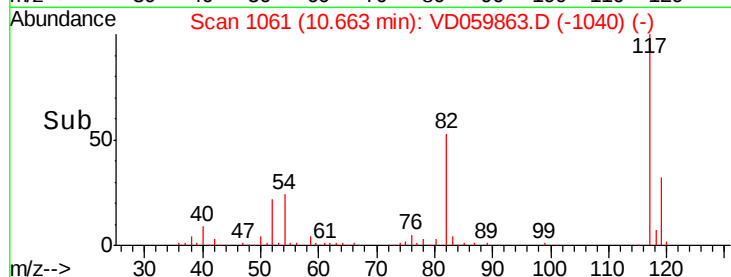
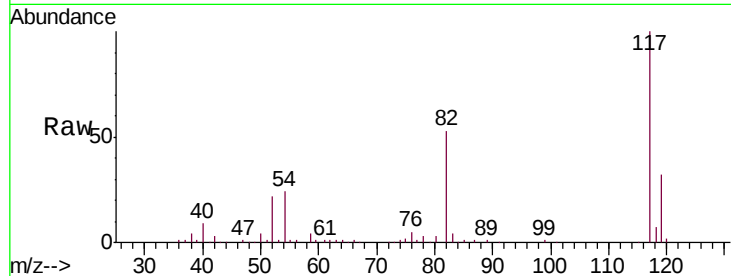




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

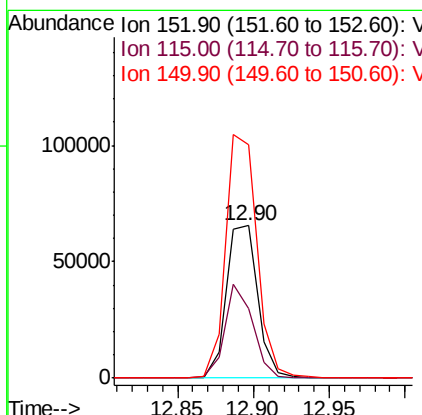
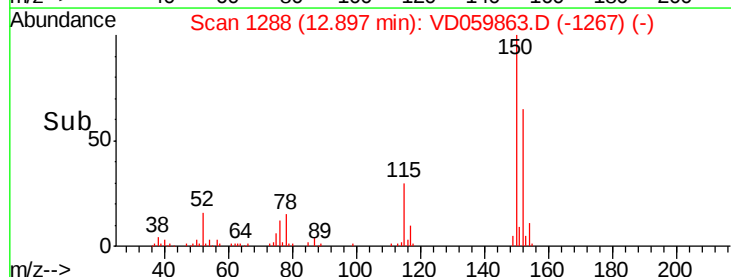
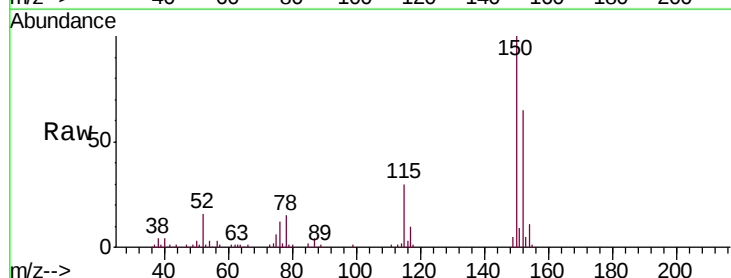
Instrument :
MSVOA_D
ClientSampleId :
EPE-P-9(30-36)RE

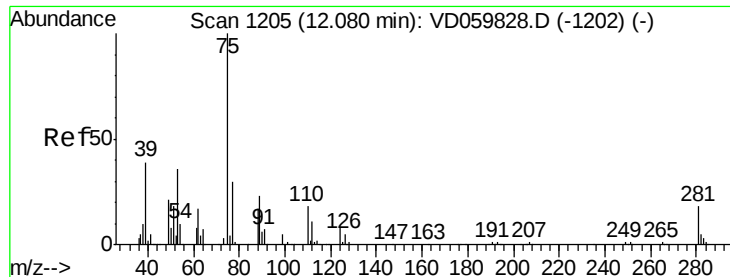
Tgt Ion:117 Resp: 699829
Ion Ratio Lower Upper
117 100
82 52.7 41.6 62.4
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VD059863.D
Acq: 21 Aug 2018 18:44

Tgt Ion:152 Resp: 94356
Ion Ratio Lower Upper
152 100
115 45.6 26.9 80.6
150 153.0 0.0 306.8





#76

1,2,3-Trichloropropane

Concen: 36.234 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. -0.17 min

Lab File: VD059863.D

Acq: 21 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampleId :

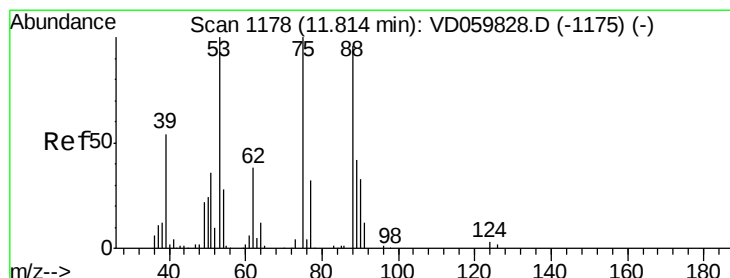
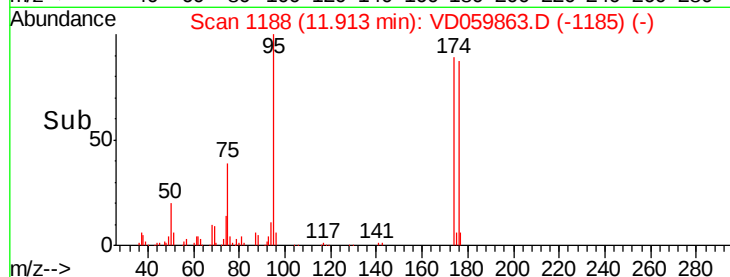
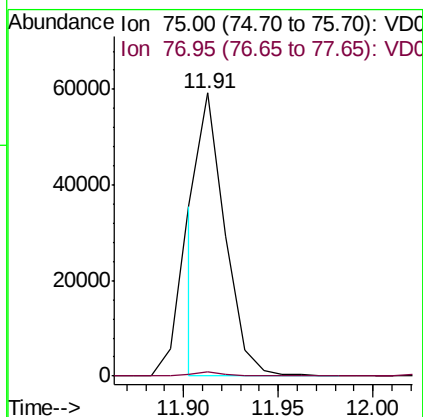
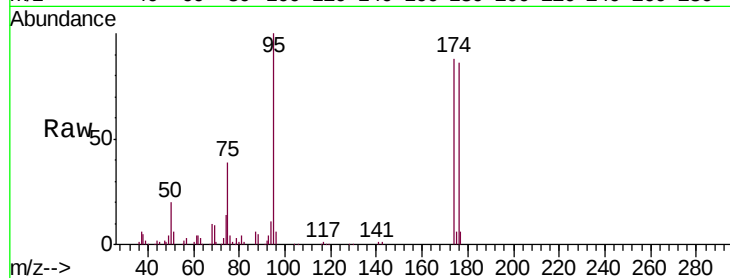
EPE-P-9(30-36)RE

Tgt Ion: 75 Resp: 56562

Ion Ratio Lower Upper

75 100

77 1.4 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 165.882 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.10 min

Lab File: VD059863.D

Acq: 21 Aug 2018 18:44

Tgt Ion: 75 Resp: 80948

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#

