

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060321.D
 Acq On : 9 Nov 2018 19:27
 Operator : VA/AP
 Sample : J5884-11RE
 Misc : 5.65g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8A-SRE

Quant Time: Nov 12 01:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1095398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1557990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1199006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	485877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	470212	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
35) Dibromofluoromethane	6.33	113	623444	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	9.47	98	1716430	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.43	95	544254	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

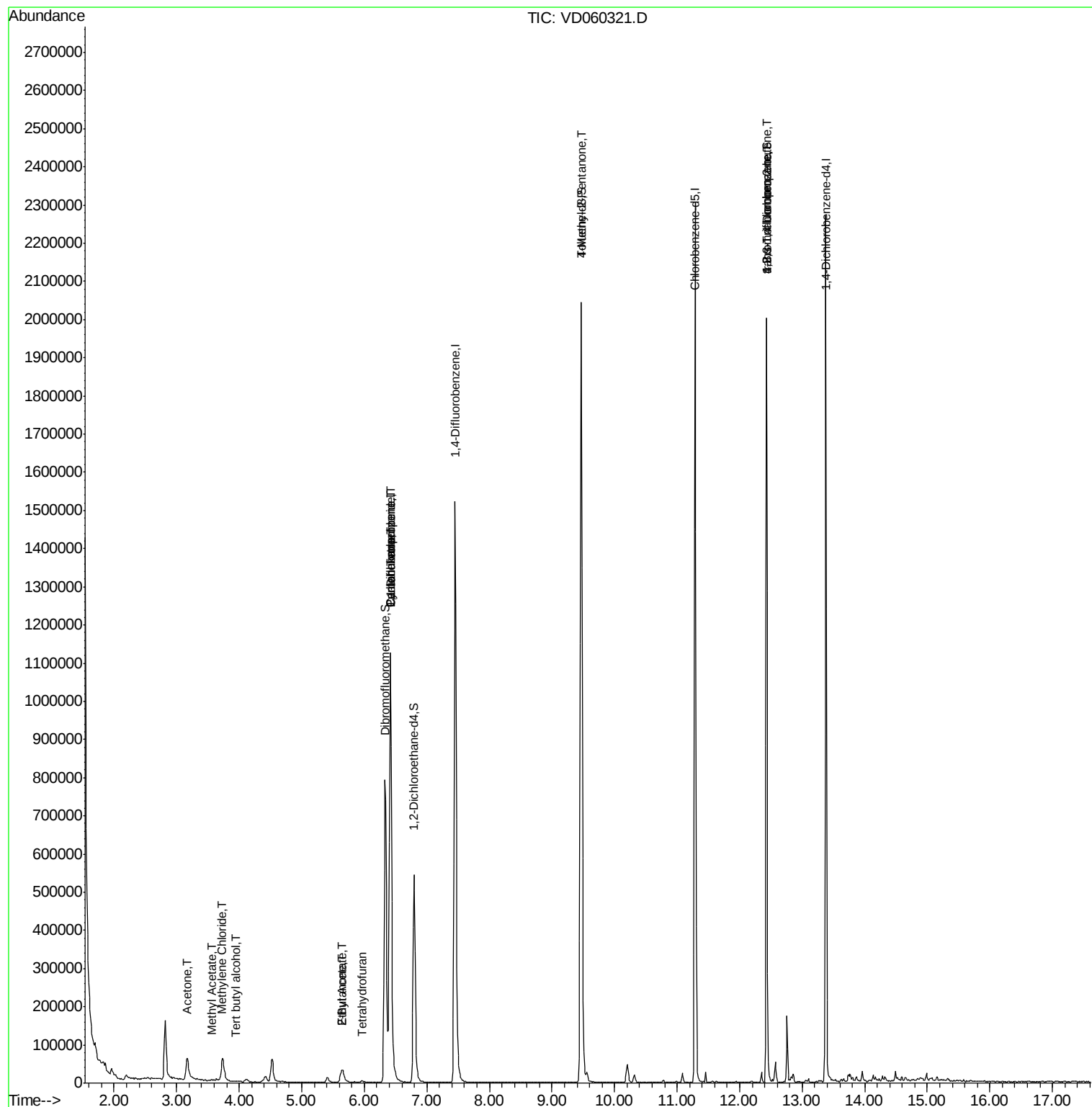
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	879	Below Cal	#	41
11) Tert butyl alcohol	3.96	59	627	1.947	ug/l #	70
16) Acetone	3.17	43	127184	93.484	ug/l	96
18) Methyl Acetate	3.56	43	6588	2.271	ug/l #	63
20) Methylene Chloride	3.73	84	26598	2.204	ug/l	94
25) 2-Butanone	5.63	43	43604	15.419	ug/l	94
29) Tetrahydrofuran	5.97	42	3112	2.087	ug/l #	67
31) Cyclohexane	6.41	56	20005	1.068	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	83025	5.394	ug/l #	48
37) Ethyl Acetate	5.63	43	43604	6.156	ug/l #	69
38) Carbon Tetrachloride	6.42	117	81672	5.720	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	10369	1.791	ug/l #	1
76) 1,2,3-Trichloropropane	12.43	75	164143	28.241	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	224557	135.706	ug/l #	15
89) n-Butylbenzene	13.65	91	1076	Below Cal	#	29

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

Instrument :

MSVOA_D

ClientSampleId :

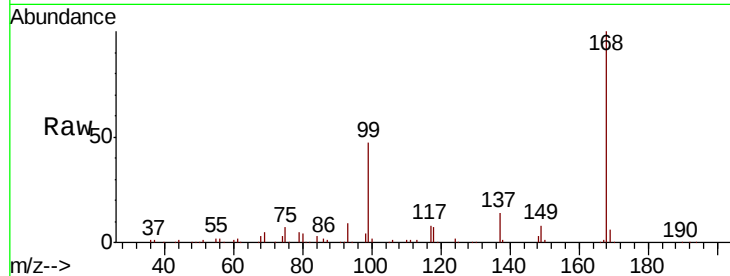
TP-8A-SRE

Tgt Ion:168 Resp: 1095398

Ion Ratio Lower Upper

168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

400000

300000

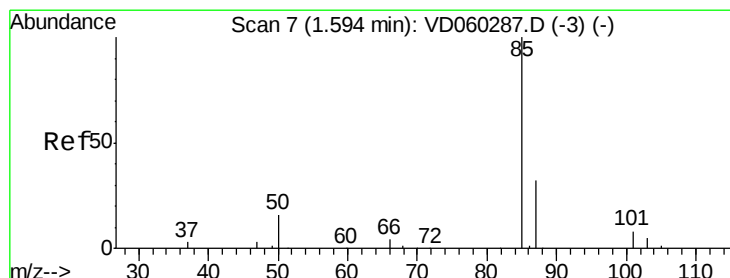
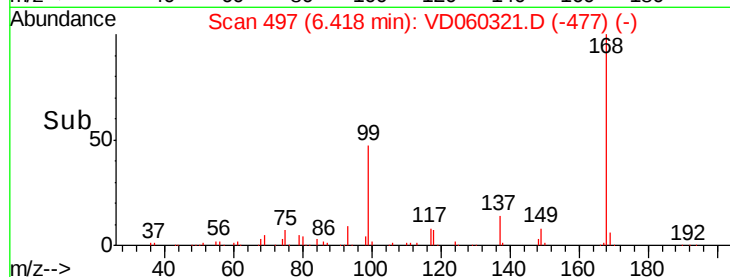
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060321.D

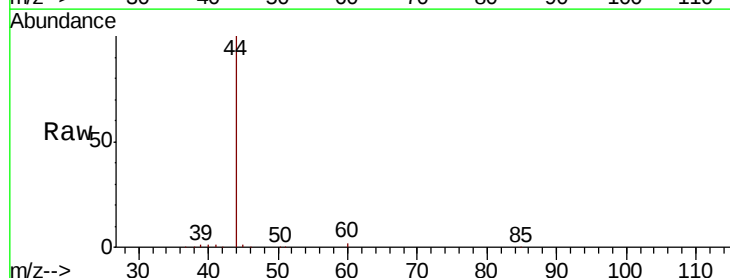
Acq: 9 Nov 2018 19:27

Tgt Ion: 85 Resp: 879

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

800

600

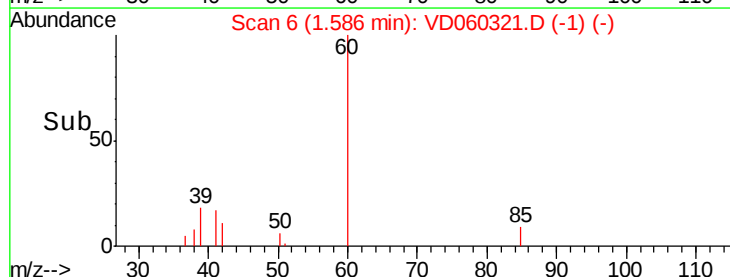
400

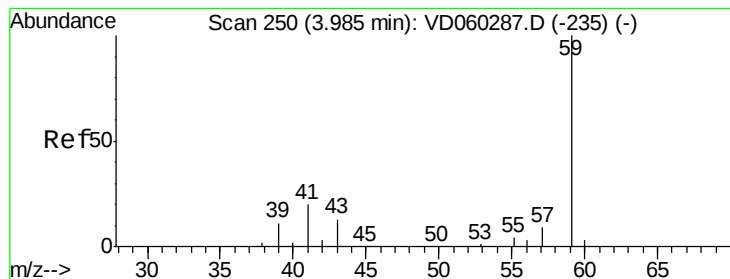
200

0

Time-->

1.55 1.60



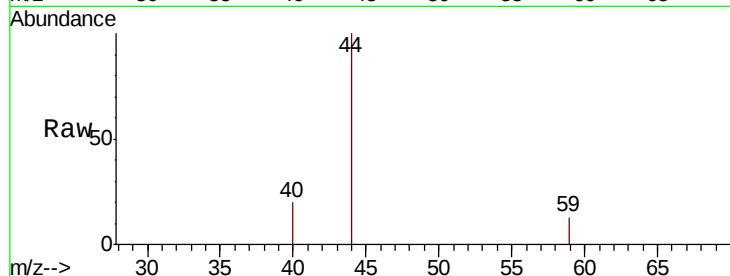


#11

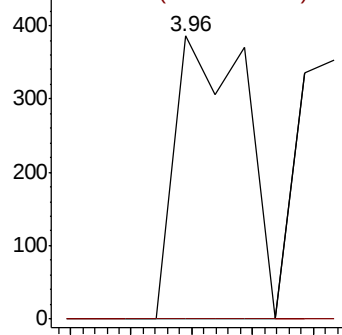
Tert butyl alcohol
 Concen: 1.947 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. -0.03 min
 Lab File: VD060321.D
 Acq: 9 Nov 2018 19:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8A-SRE

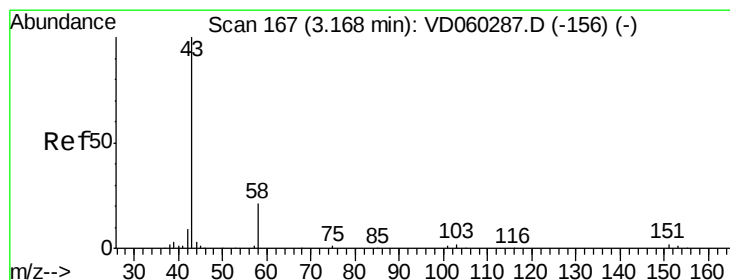
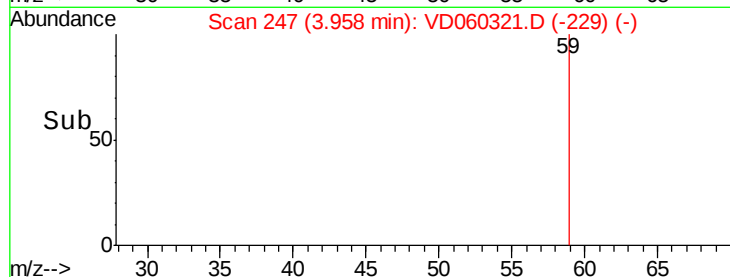
Tgt Ion: 59 Resp: 627
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



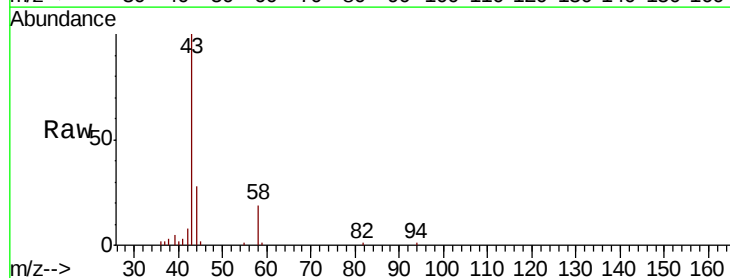
Time--> 3.92 3.94 3.96 3.98 4.00



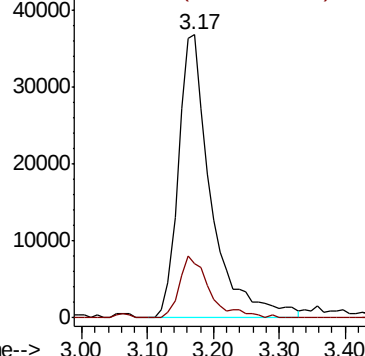
#16

Acetone
 Concen: 93.484 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VD060321.D
 Acq: 9 Nov 2018 19:27

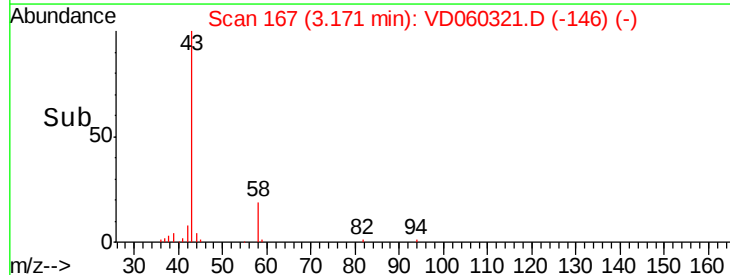
Tgt Ion: 43 Resp: 127184
 Ion Ratio Lower Upper
 43 100
 58 19.1 16.9 25.3

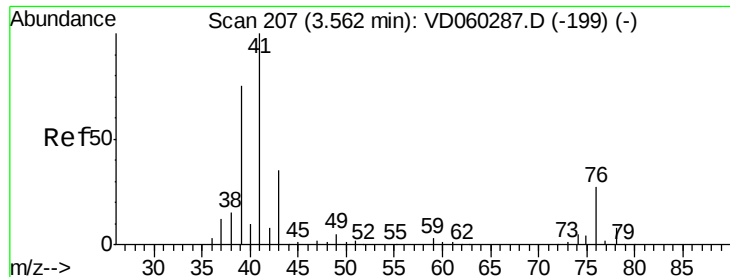


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



Time--> 3.00 3.10 3.20 3.30 3.40

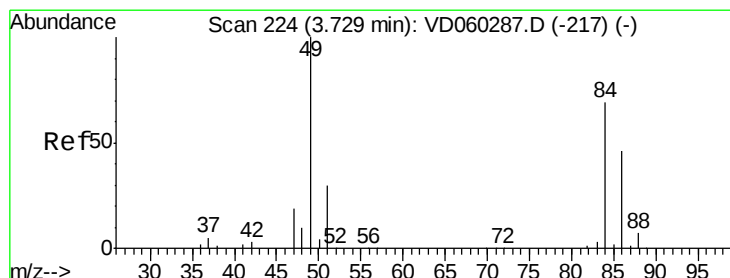
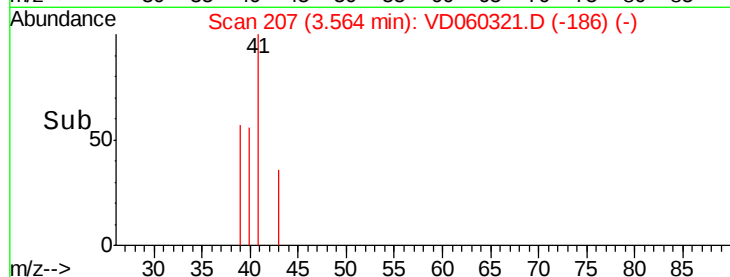
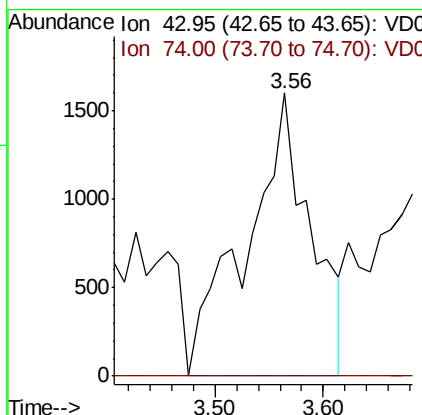
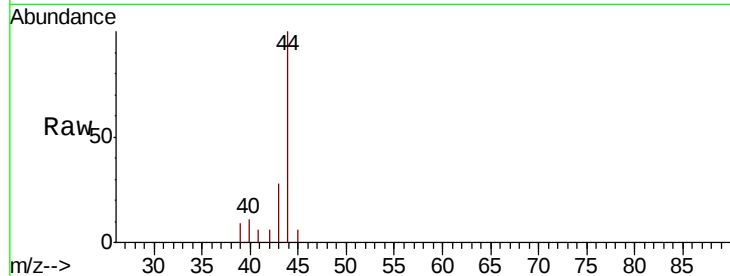




#18
Methyl Acetate
Concen: 2.271 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

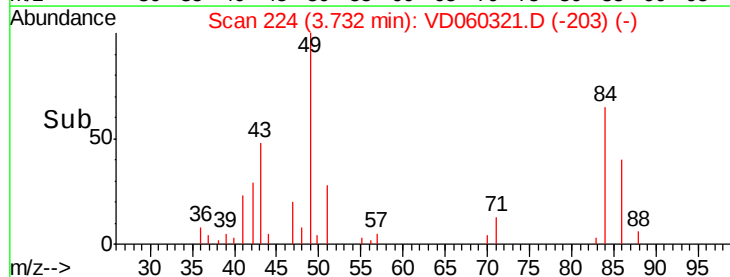
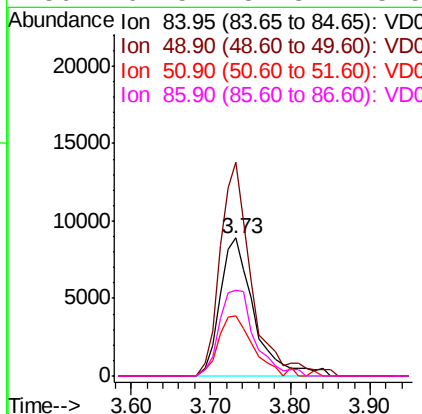
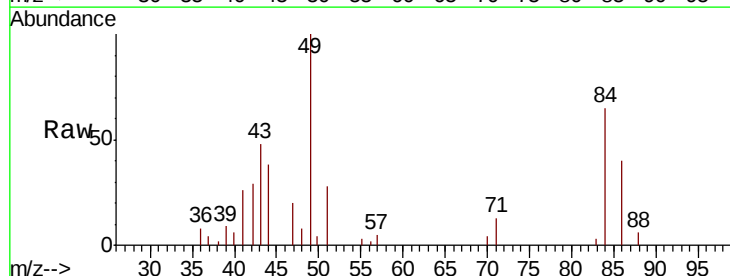
Instrument :
MSVOA_D
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TP-8A-SRE

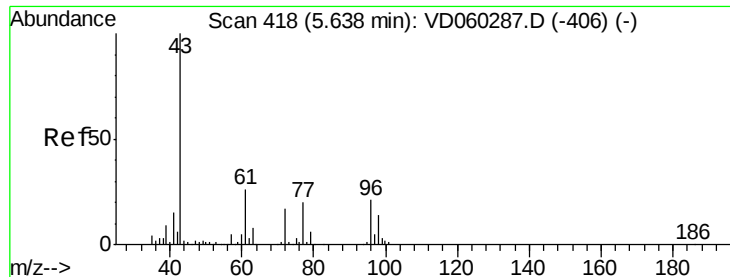
Tgt Ion: 43 Resp: 6588
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 2.204 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Tgt Ion: 84 Resp: 26598
Ion Ratio Lower Upper
84 100
49 154.9 115.6 173.4
51 43.9 35.6 53.4
86 62.5 52.3 78.5

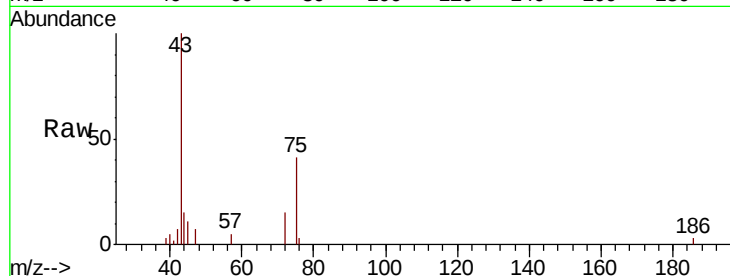




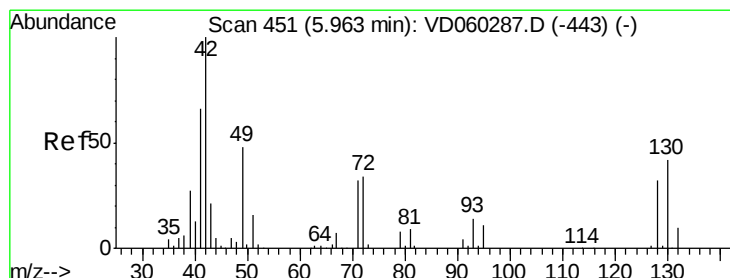
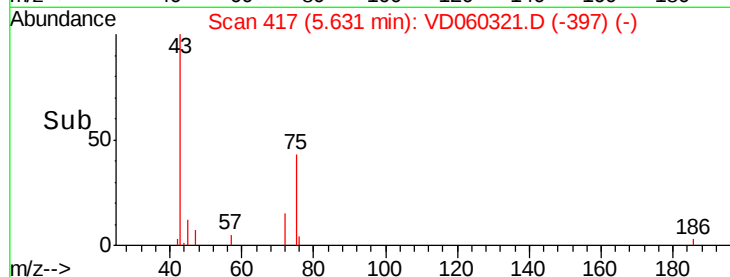
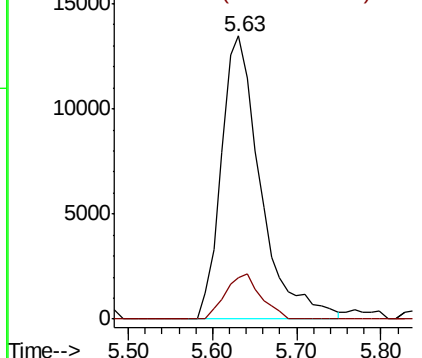
#25
2-Butanone
Concen: 15.419 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Instrument :
MSVOA_D
ClientSampleId :
TP-8A-SRE

Tgt Ion: 43 Resp: 43604
Ion Ratio Lower Upper
43 100
72 14.6 13.8 20.8

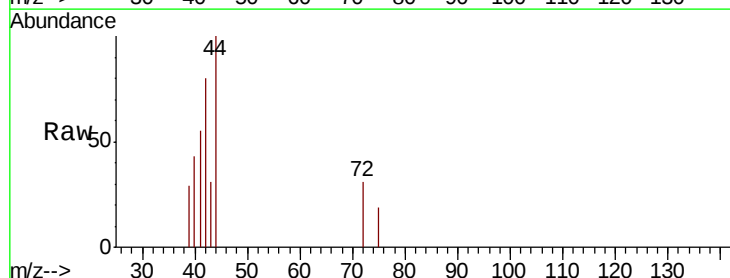


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

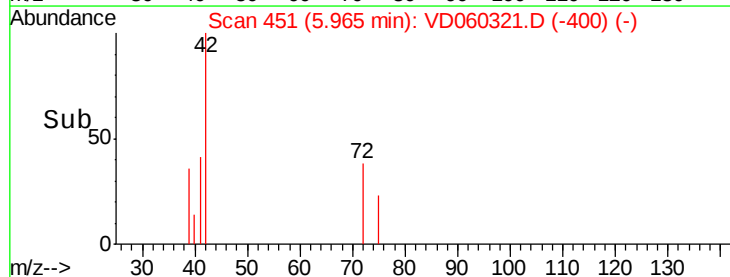
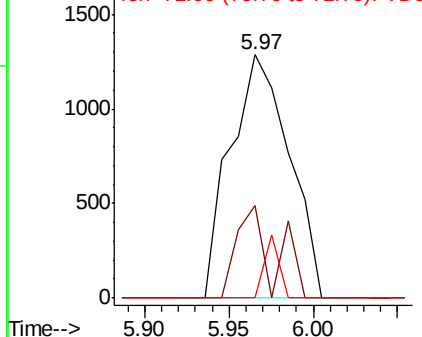


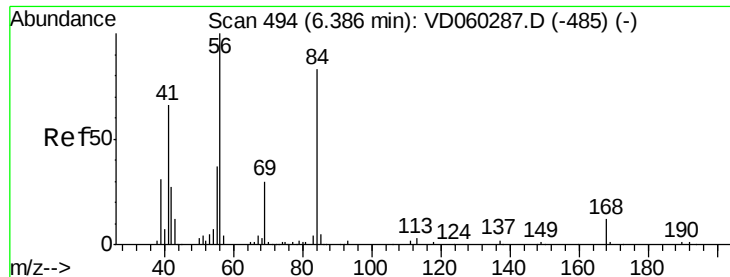
#29
Tetrahydrofuran
Concen: 2.087 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Tgt Ion: 42 Resp: 3112
Ion Ratio Lower Upper
42 100
72 23.9 27.6 41.4#
71 6.3 26.5 39.7#



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

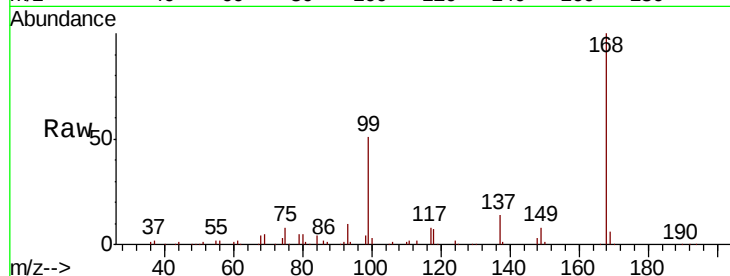




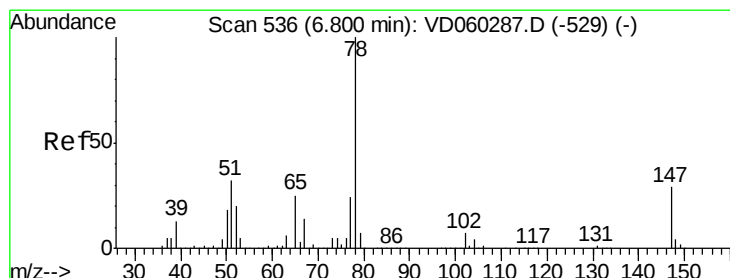
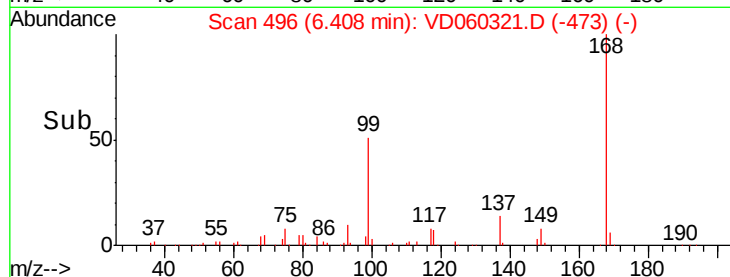
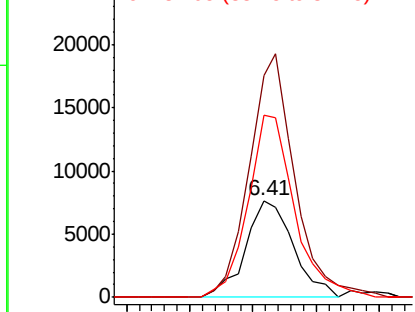
#31
Cyclohexane
Concen: 1.068 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Instrument :
MSVOA_D
ClientSampleId :
TP-8A-SRE

Tgt Ion: 56 Resp: 20005
Ion Ratio Lower Upper
56 100
69 228.9 22.2 33.2#
84 188.1 63.0 94.4#

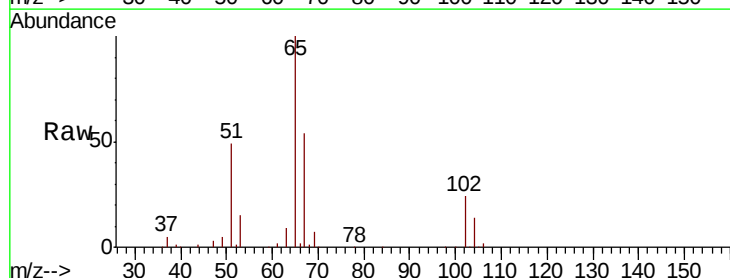


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

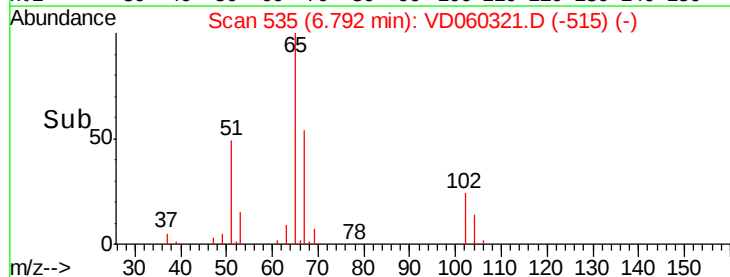
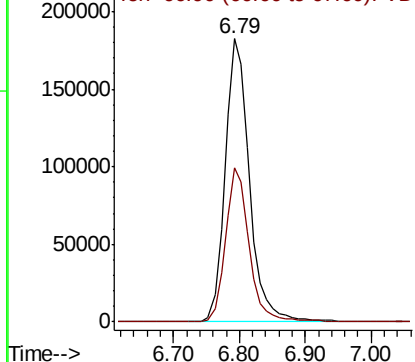


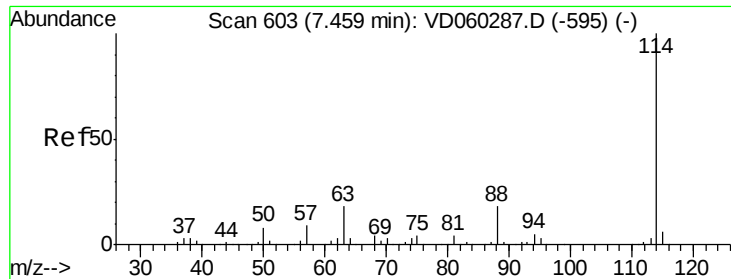
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Tgt Ion: 65 Resp: 470212
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8A-SRE

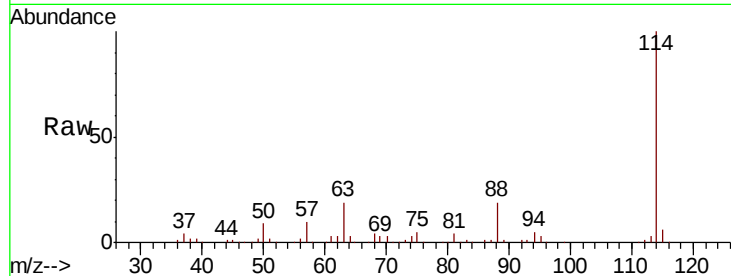
Tgt Ion:114 Resp: 1557990

Ion Ratio Lower Upper

114 100

63 19.5 0.0 34.0

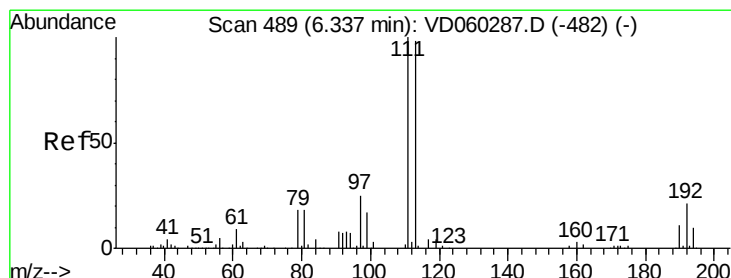
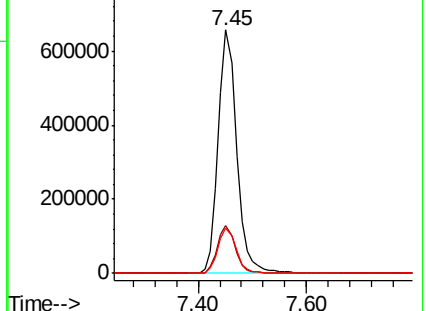
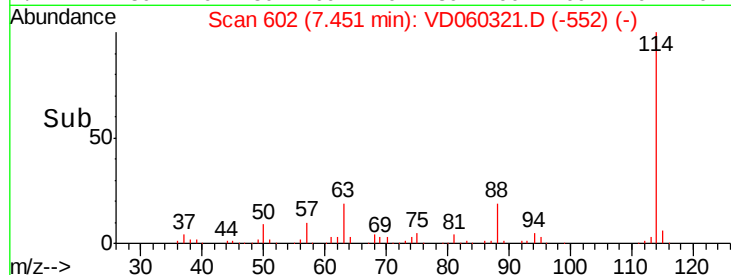
88 18.7 0.0 35.4



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: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

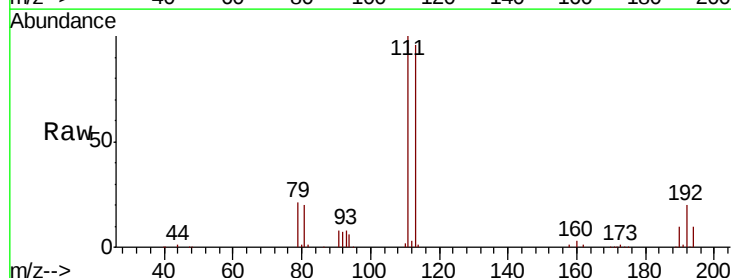
Tgt Ion:113 Resp: 623444

Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

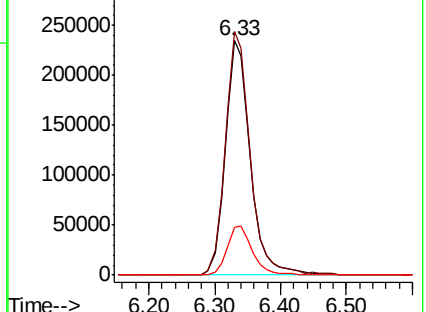
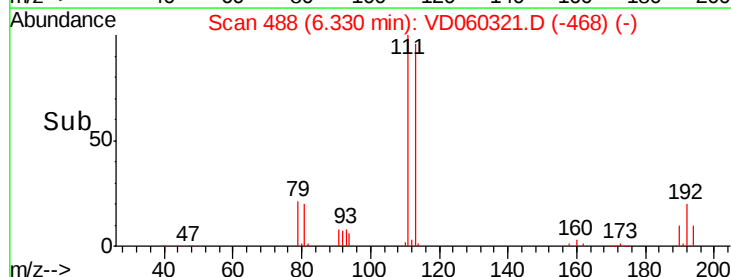
192 20.5 16.5 24.7

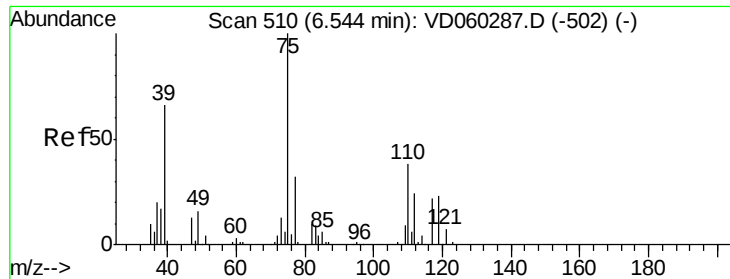


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.394 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.13 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

Instrument :

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ClientSampleId :

TP-8A-SRE

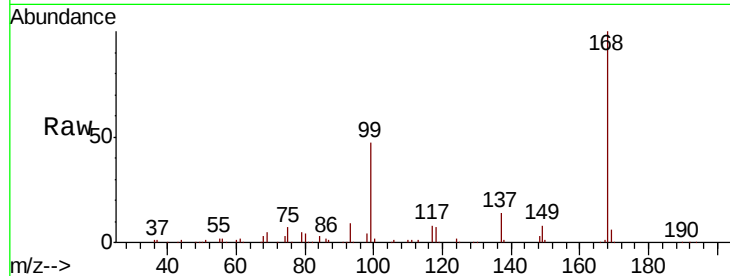
Tgt Ion: 75 Resp: 83025

Ion Ratio Lower Upper

75 100

110 8.2 18.0 54.0#

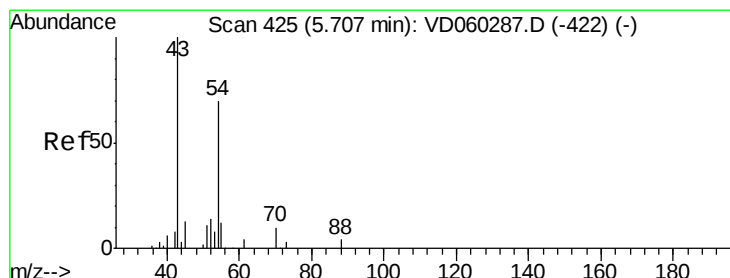
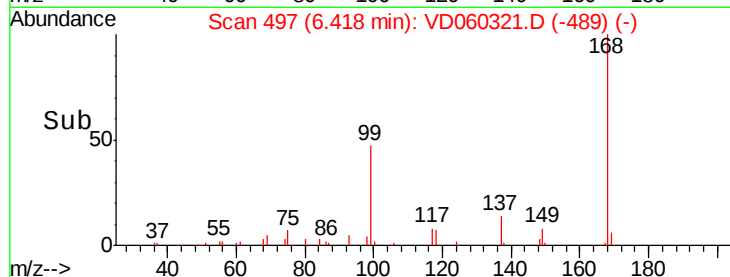
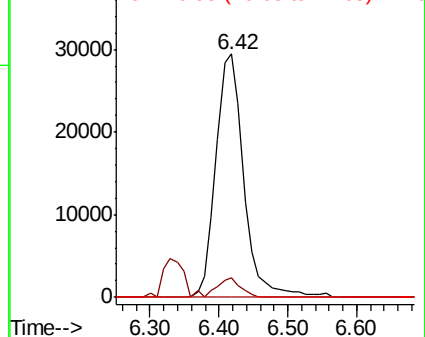
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 6.156 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.08 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

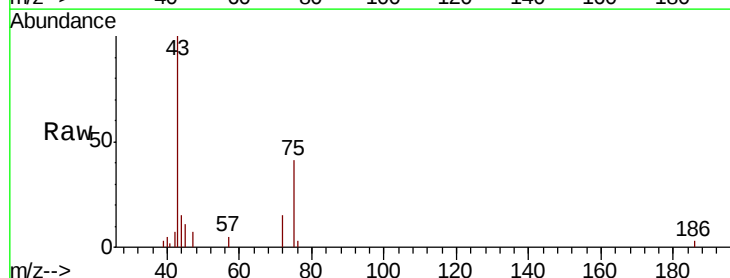
Tgt Ion: 43 Resp: 43604

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

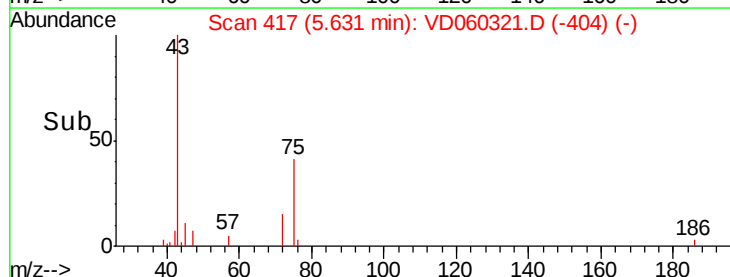
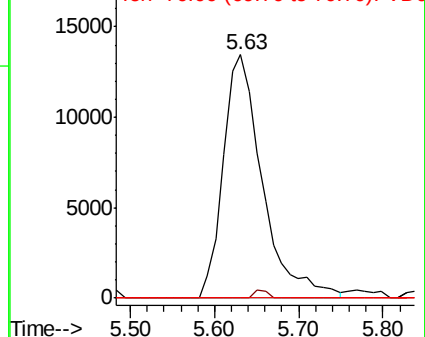
70 0.0 6.2 9.4#

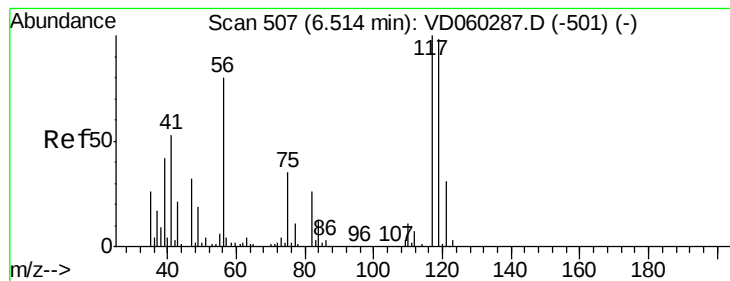


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.10 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

Instrument :

MSVOA_D

ClientSampleId :

TP-8A-SRE

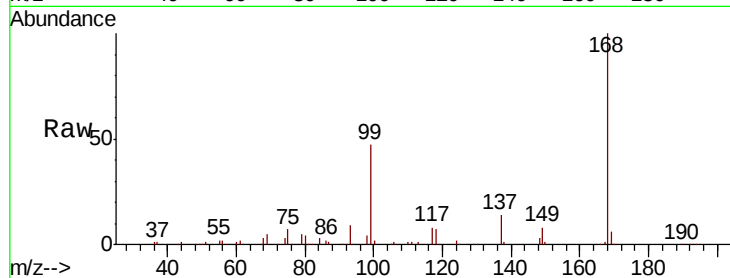
Tgt Ion:117 Resp: 81672

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

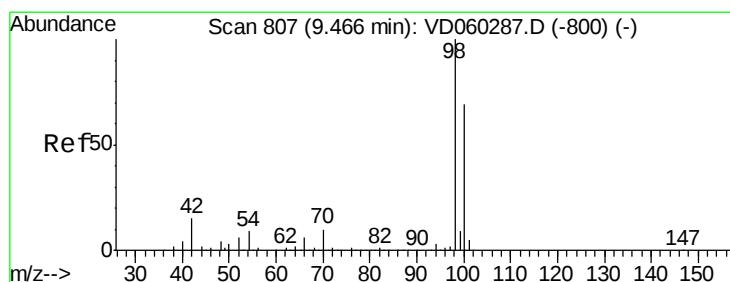
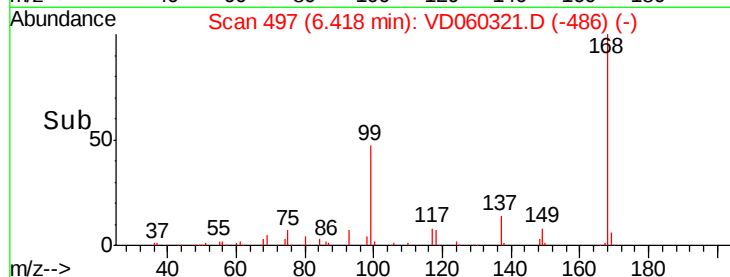
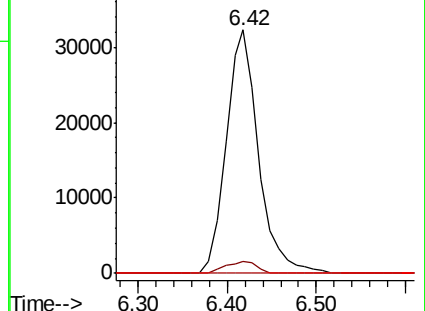
121 0.0 24.3 36.5#



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: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060321.D

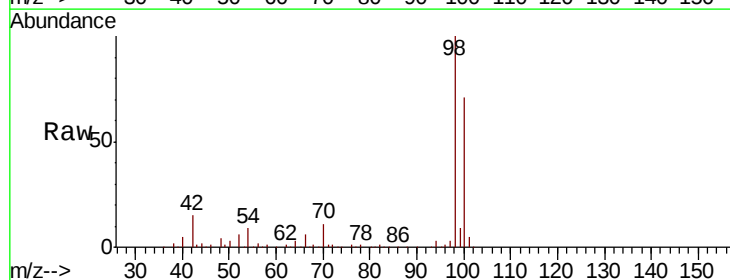
Acq: 9 Nov 2018 19:27

Tgt Ion: 98 Resp: 1716430

Ion Ratio Lower Upper

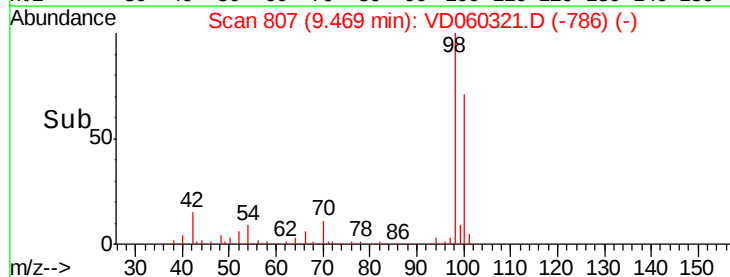
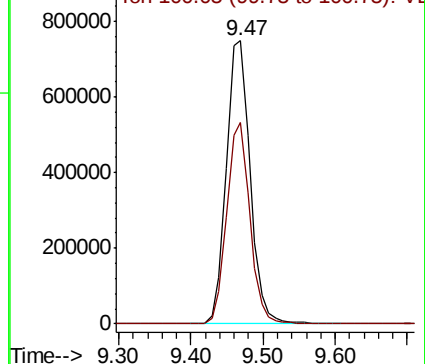
98 100

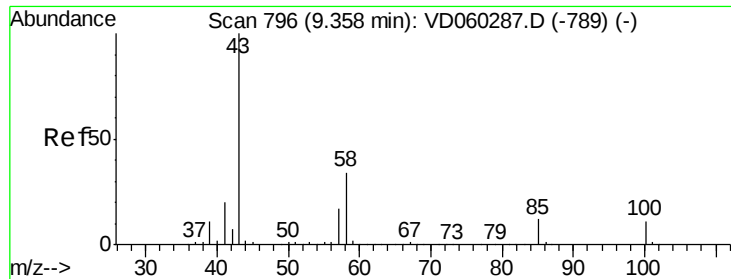
100 71.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.791 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

Instrument :

MSVOA_D

ClientSampleId :

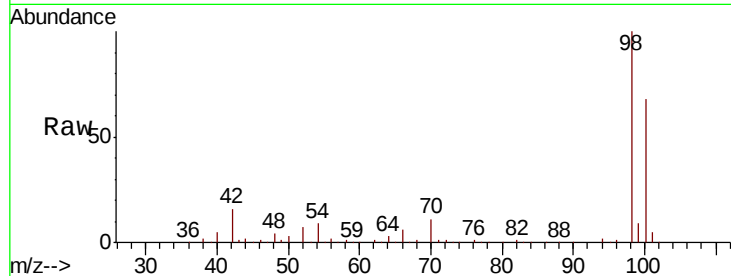
TP-8A-SRE

Tgt Ion: 43 Resp: 10369

Ion Ratio Lower Upper

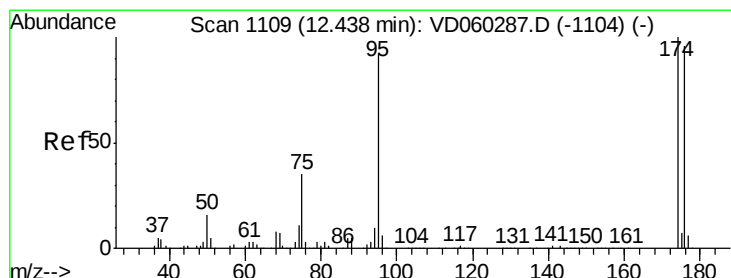
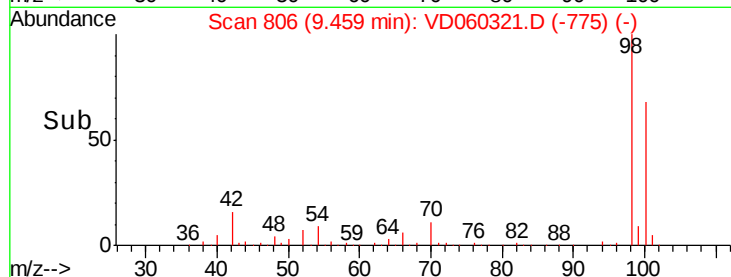
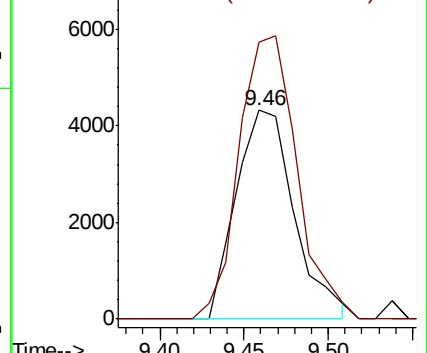
43 100

58 132.8 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060321.D

Acq: 9 Nov 2018 19:27

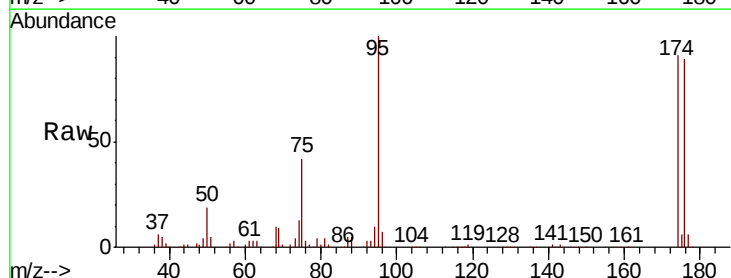
Tgt Ion: 95 Resp: 544254

Ion Ratio Lower Upper

95 100

174 91.3 0.0 160.8

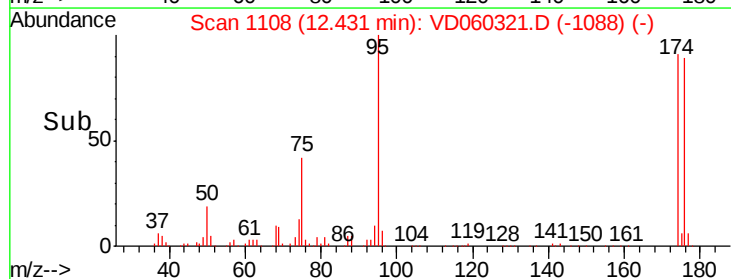
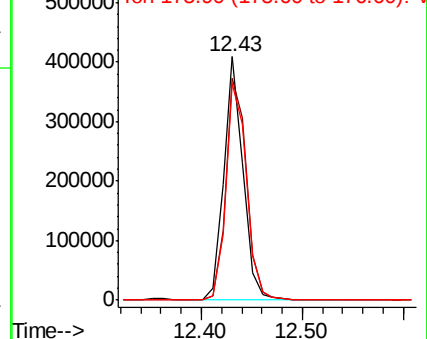
176 89.1 0.0 154.6

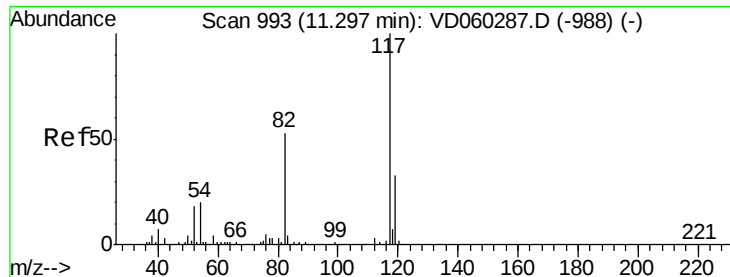


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

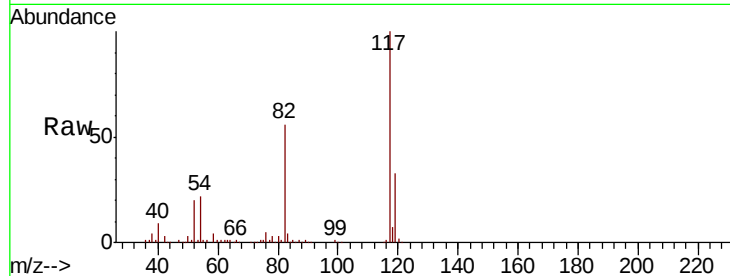




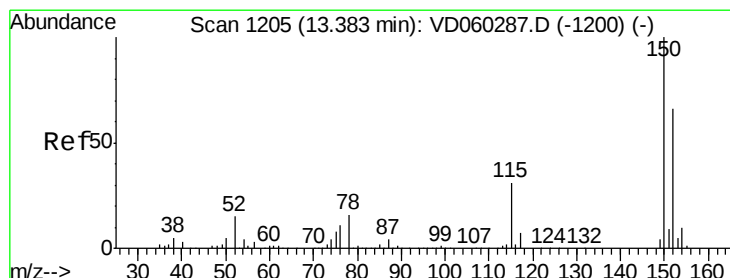
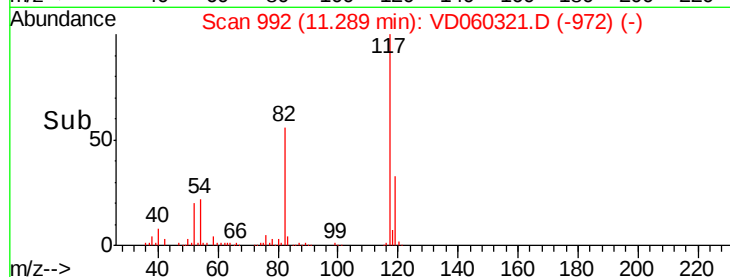
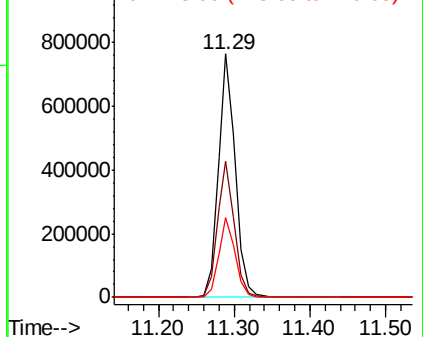
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Instrument :
MSVOA_D
ClientSampleId :
TP-8A-SRE

Tgt Ion:117 Resp: 1199006
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.8 26.1 39.1

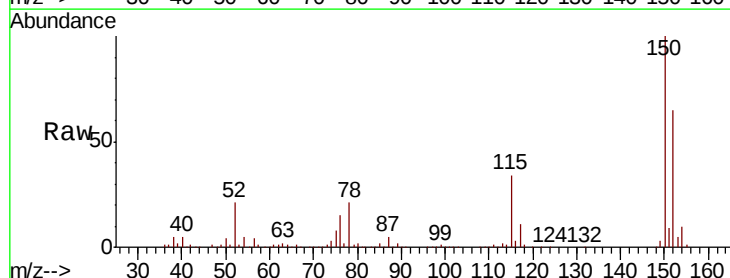


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

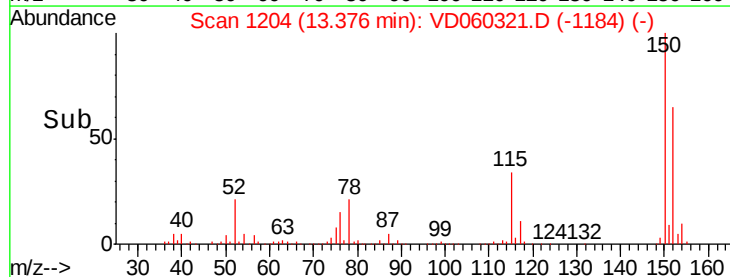
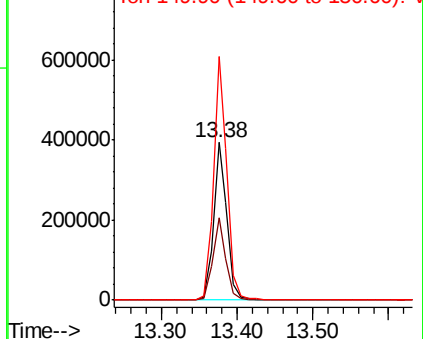


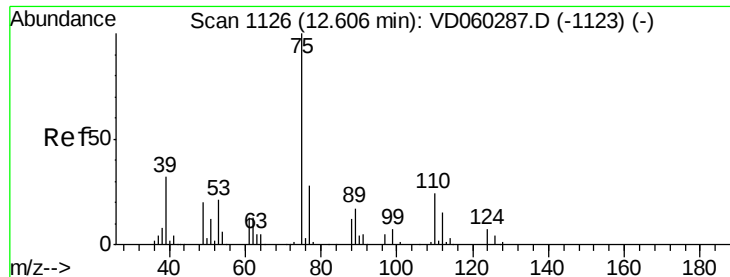
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060321.D
Acq: 9 Nov 2018 19:27

Tgt Ion:152 Resp: 485877
Ion Ratio Lower Upper
152 100
115 51.8 24.1 72.3
150 154.5 0.0 310.6



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

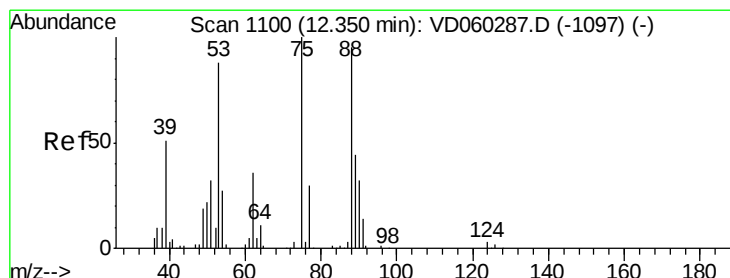
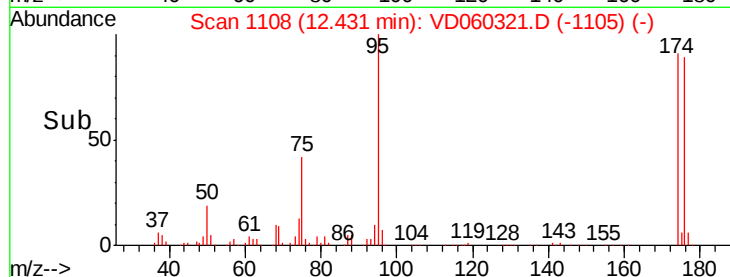
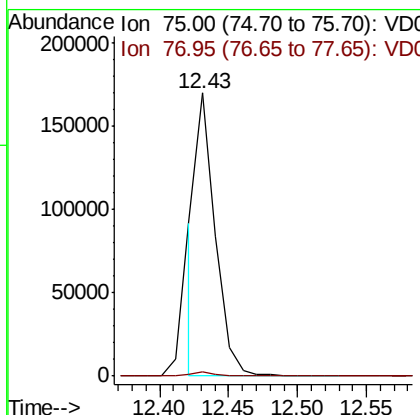
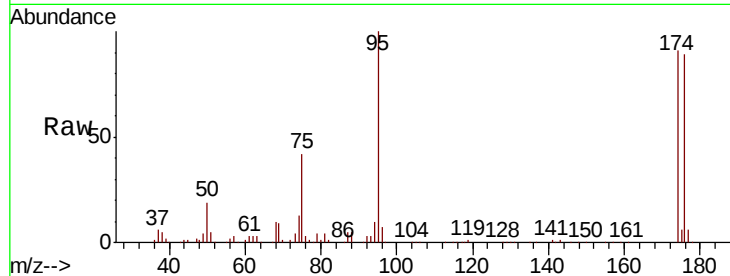




#76
 1,2,3-Trichloropropane
 Concen: 28.241 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.17 min
 Lab File: VD060321.D
 Acq: 9 Nov 2018 19:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8A-SRE

Tgt Ion: 75 Resp: 164143
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.706 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060321.D
 Acq: 9 Nov 2018 19:27

Tgt Ion: 75 Resp: 224557
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

