

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060312.D
 Acq On : 9 Nov 2018 15:13
 Operator : VA/AP
 Sample : J5269-06
 Misc : 4.85g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-S

Quant Time: Nov 12 01:35:05 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	6.40	168	1450107	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2009057	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1596189	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	752711	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	580749	55.93	ug/l	-0.02
Spiked Amount			Recovery	=	111.86%	
35) Dibromofluoromethane	6.32	113	781979	52.20	ug/l	-0.02
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	9.45	98	2159354	49.25	ug/l	-0.02
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.42	95	750617	47.24	ug/l	-0.02
Spiked Amount			Recovery	=	94.48%	

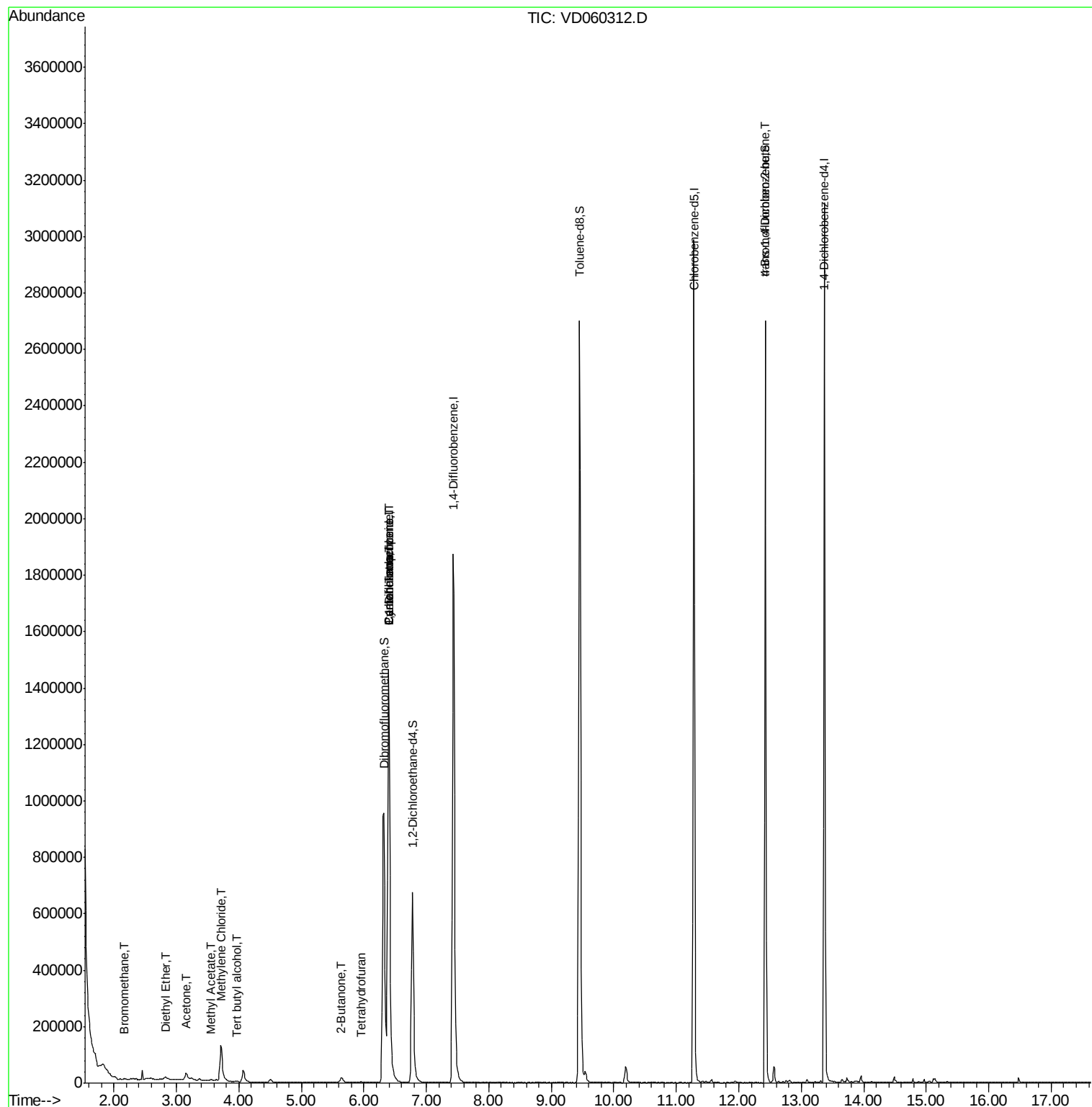
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	934	Below Cal	#	41
5) Bromomethane	2.16	94	2808	1.055	ug/l #	78
8) Diethyl Ether	2.83	74	2573	1.075	ug/l	76
11) Tert butyl alcohol	3.97	59	1274	2.988	ug/l #	70
16) Acetone	3.15	43	47553	26.403	ug/l #	89
18) Methyl Acetate	3.55	43	12886	3.356	ug/l #	87
20) Methylene Chloride	3.71	84	84057	5.261	ug/l	97
25) 2-Butanone	5.62	43	6642	1.774	ug/l #	60
29) Tetrahydrofuran	5.96	42	2493	1.263	ug/l #	62
31) Cyclohexane	6.39	56	28324	1.143	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	101620	5.120	ug/l #	46
38) Carbon Tetrachloride	6.40	117	111127	6.036	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	307188	119.833	ug/l #	15
89) n-Butylbenzene	13.64	91	3040	Below Cal		92

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

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Quant Time: Nov 12 01:35:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
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: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

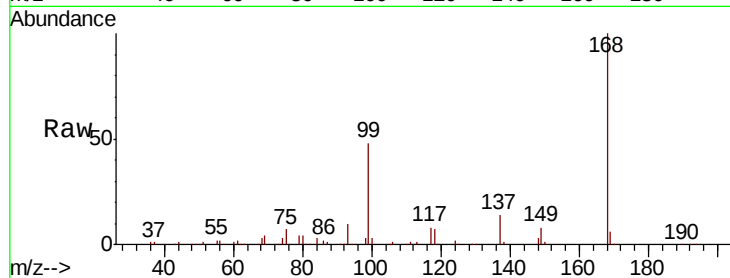
SB-12-S

Tgt Ion:168 Resp: 1450107

Ion Ratio Lower Upper

168 100

99 48.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

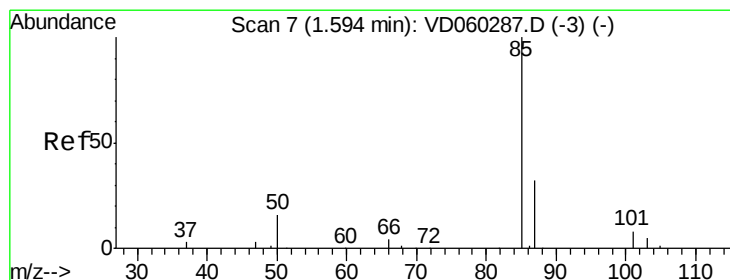
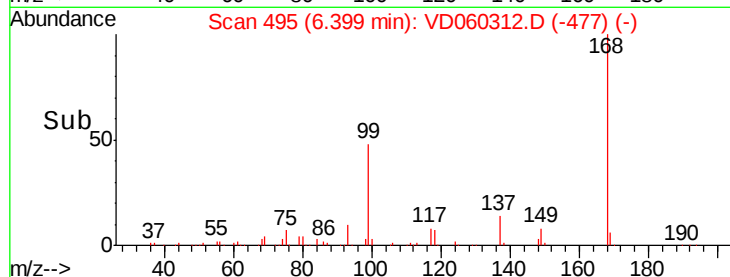
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060312.D

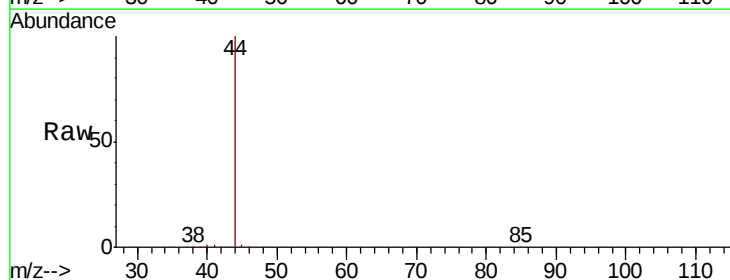
Acq: 9 Nov 2018 15:13

Tgt Ion: 85 Resp: 934

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

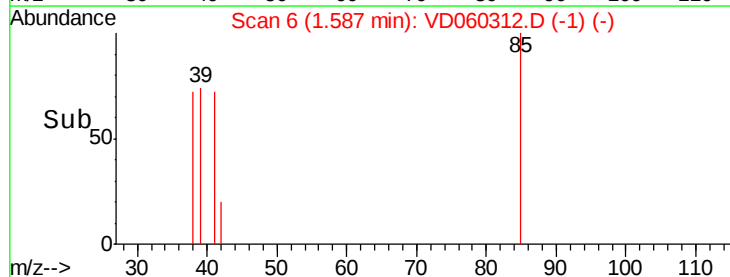
600

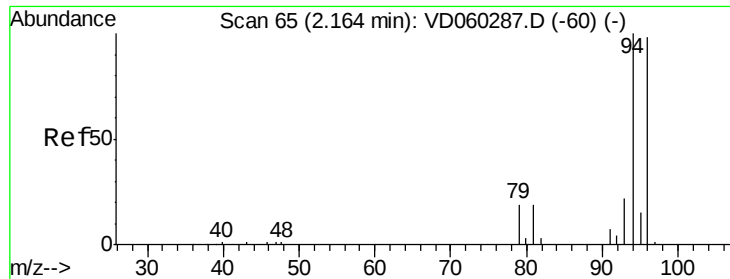
400

200

0

Time-->





#5

Bromomethane

Concen: 1.055 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

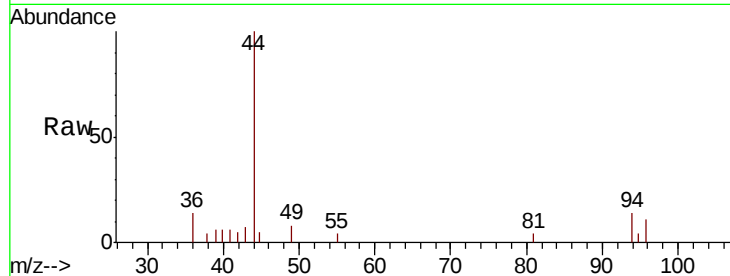
SB-12-S

Tgt Ion: 94 Resp: 2808

Ion Ratio Lower Upper

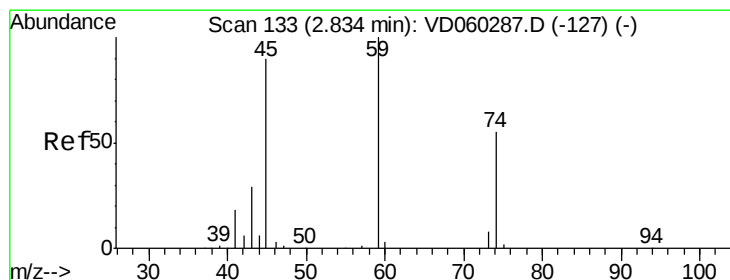
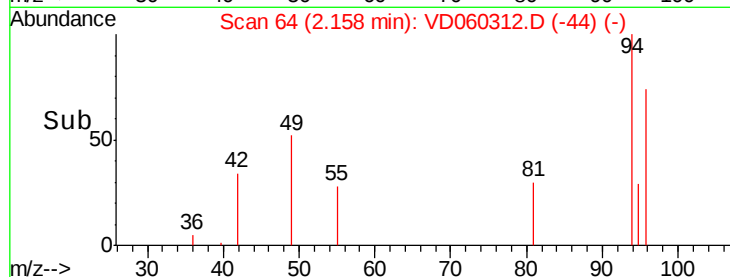
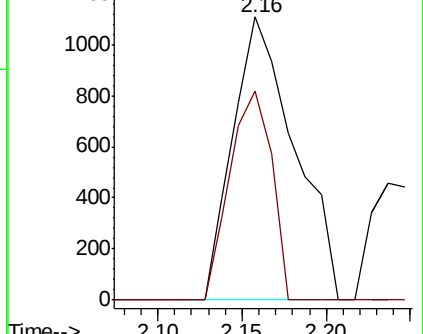
94 100

96 73.9 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.075 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060312.D

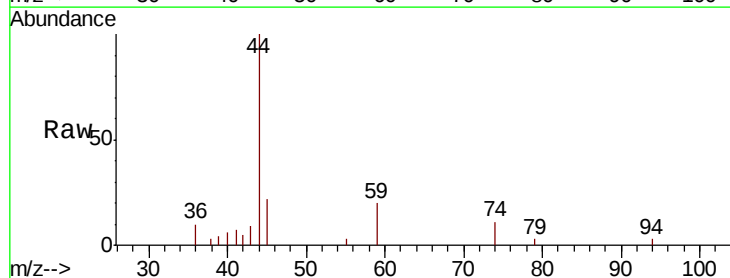
Acq: 9 Nov 2018 15:13

Tgt Ion: 74 Resp: 2573

Ion Ratio Lower Upper

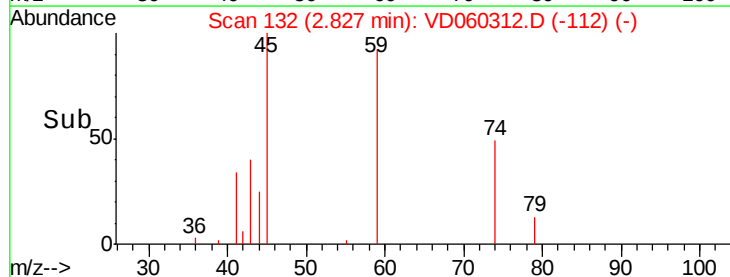
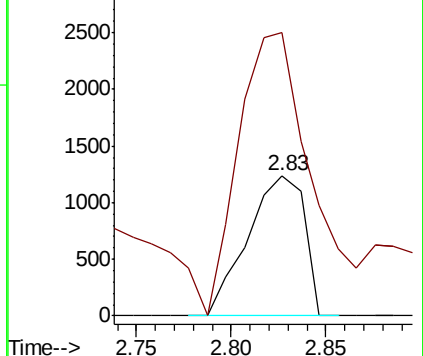
74 100

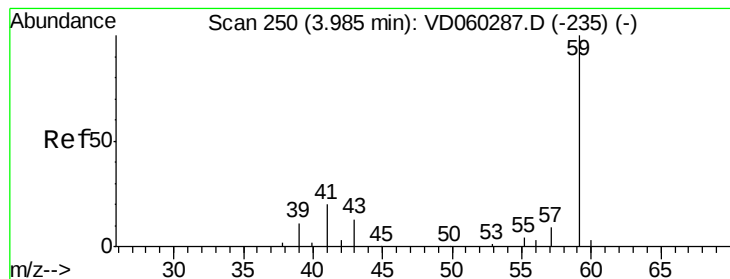
45 202.2 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



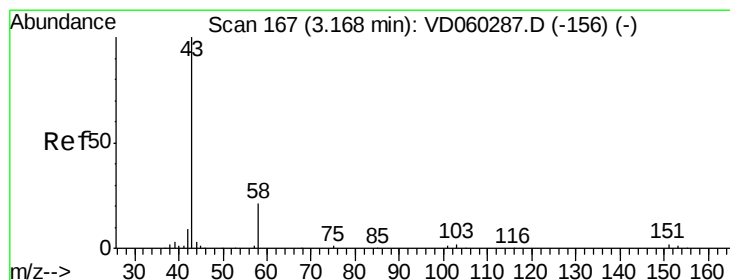
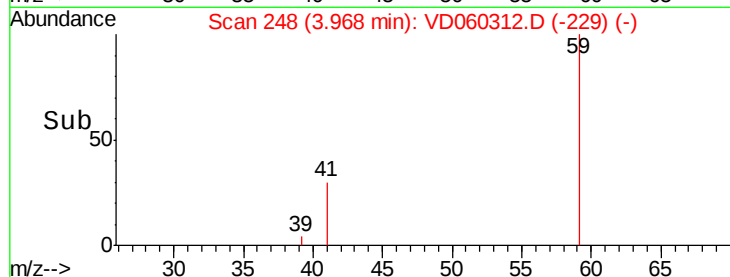
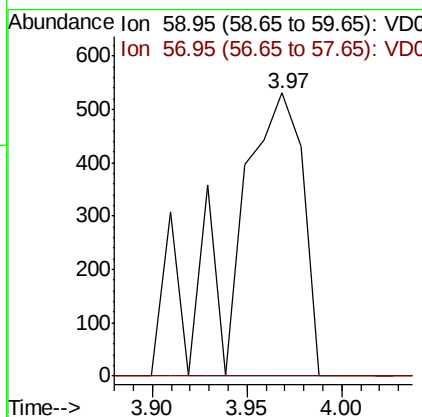
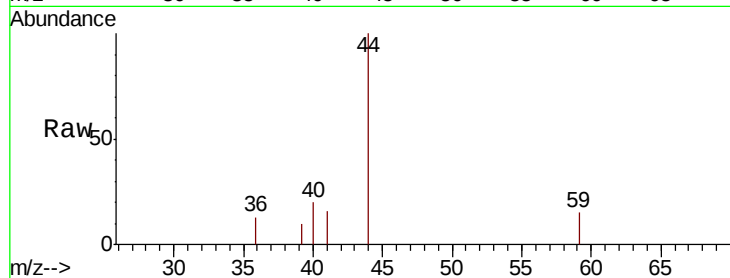


#11

Tert butyl alcohol
 Concen: 2.988 ug/l
 RT: 3.97 min Scan# 248
 Delta R.T. -0.02 min
 Lab File: VD060312.D
 Acq: 9 Nov 2018 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-S

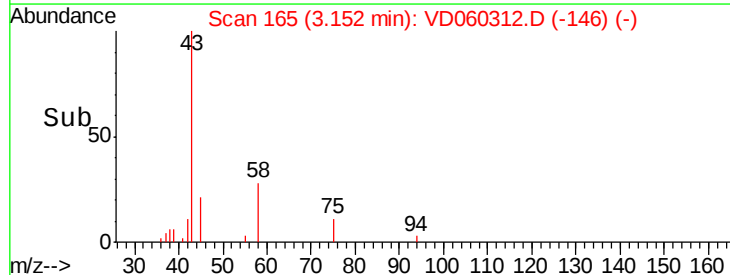
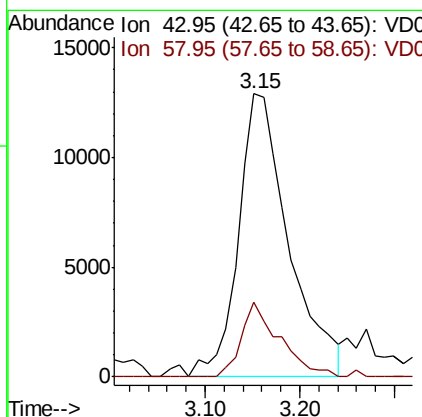
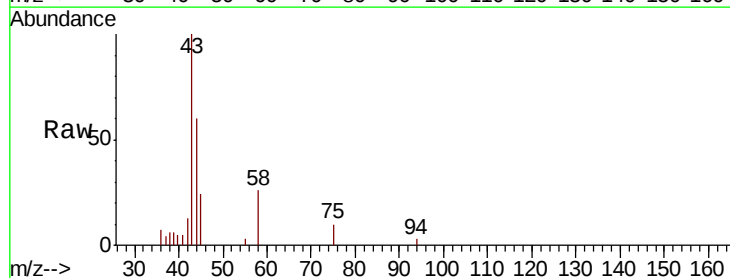
Tgt Ion: 59 Resp: 1274
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

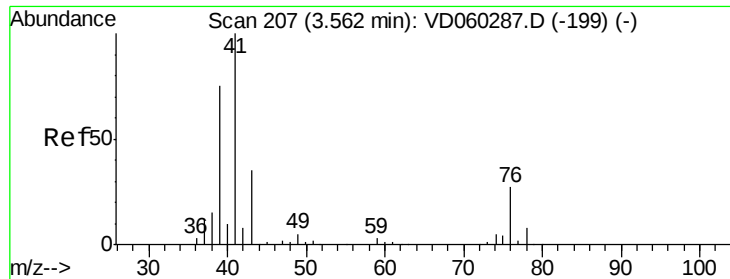


#16

Acetone
 Concen: 26.403 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. -0.02 min
 Lab File: VD060312.D
 Acq: 9 Nov 2018 15:13

Tgt Ion: 43 Resp: 47553
 Ion Ratio Lower Upper
 43 100
 58 26.5 16.9 25.3#

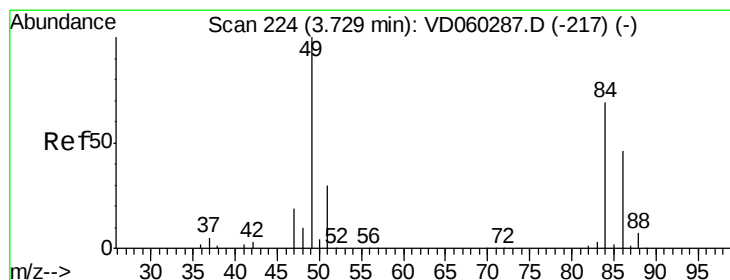
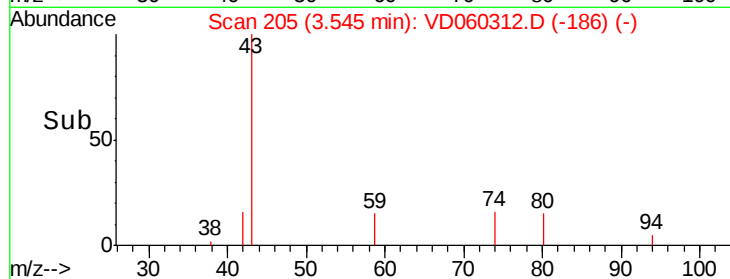
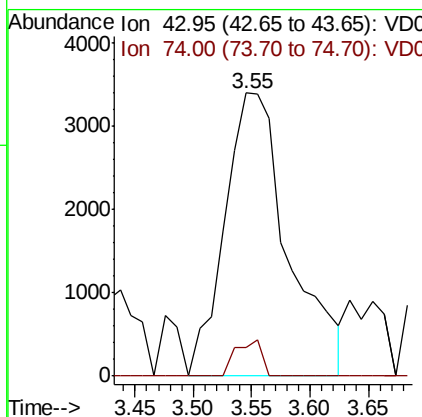
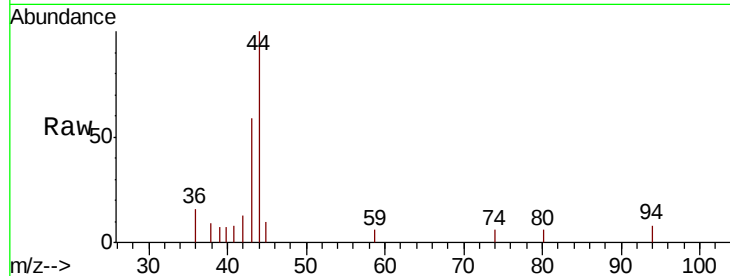




#18
Methyl Acetate
Concen: 3.356 ug/l
RT: 3.55 min Scan# 205
Delta R.T. -0.02 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

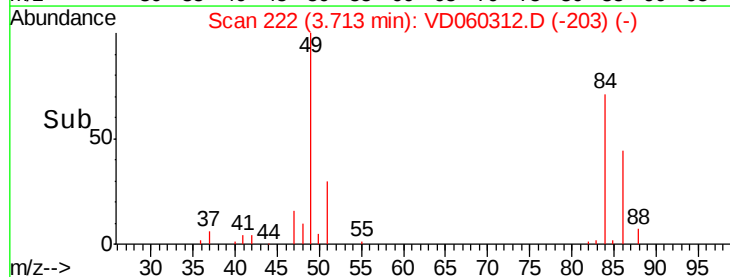
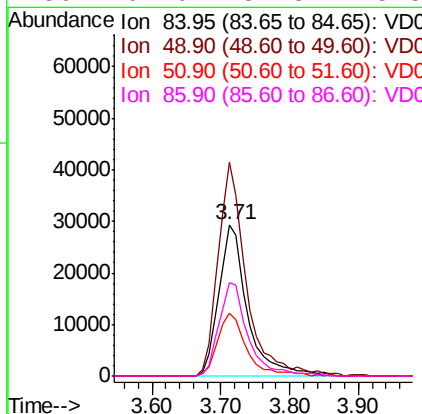
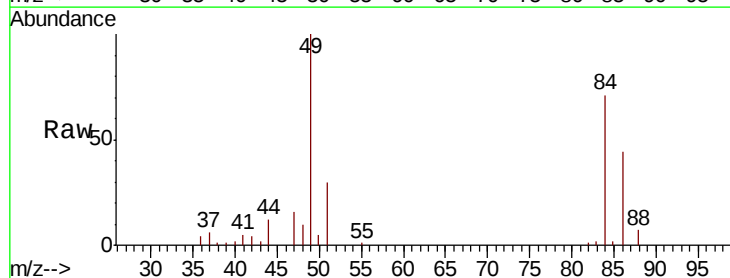
Instrument :
MSVOA_D
ClientSampleId :
SB-12-S

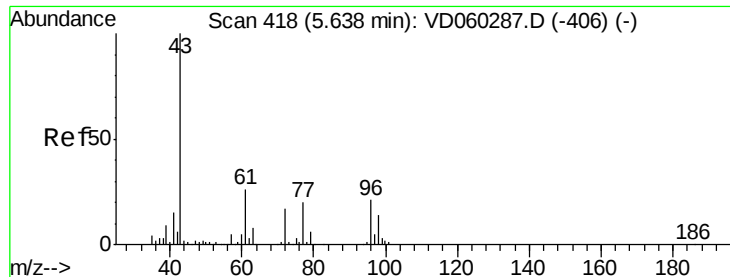
Tgt Ion: 43 Resp: 12886
Ion Ratio Lower Upper
43 100
74 10.1 12.4 18.6#



#20
Methylene Chloride
Concen: 5.261 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

Tgt Ion: 84 Resp: 84057
Ion Ratio Lower Upper
84 100
49 141.1 115.6 173.4
51 41.7 35.6 53.4
86 62.0 52.3 78.5

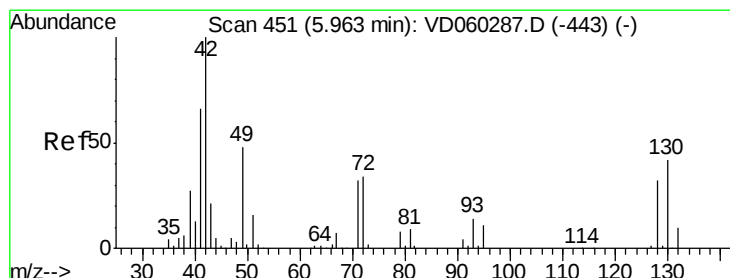
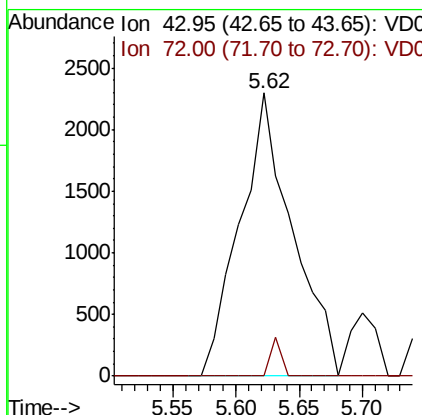
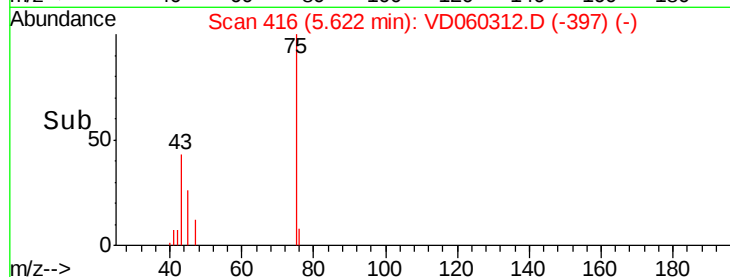
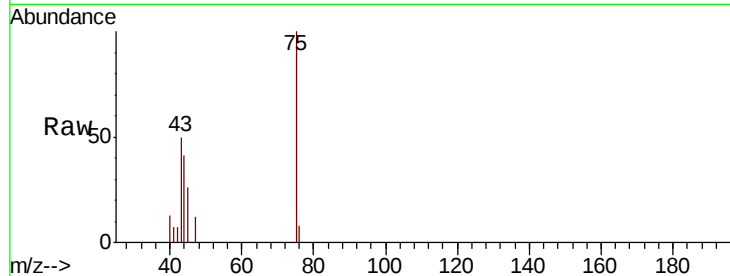




#25
2-Butanone
Concen: 1.774 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.02 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

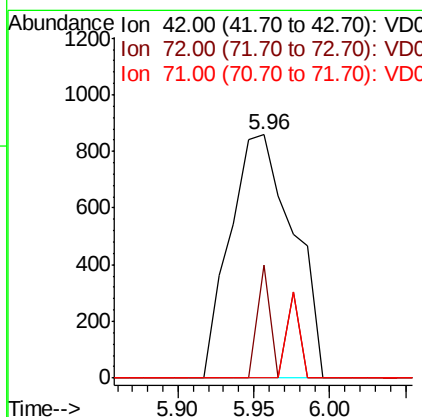
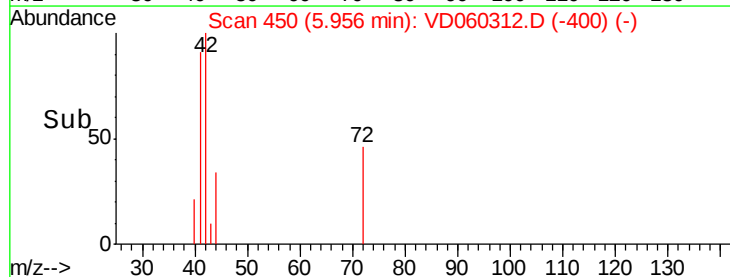
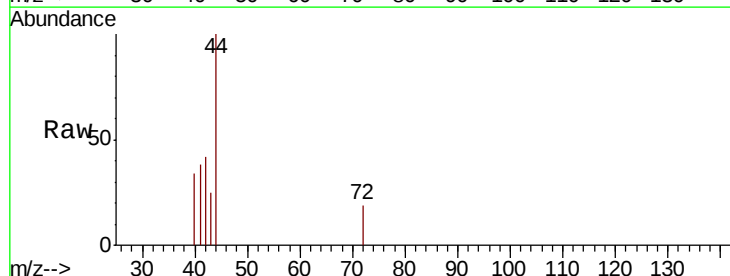
Instrument :
MSVOA_D
ClientSampled :
SB-12-S

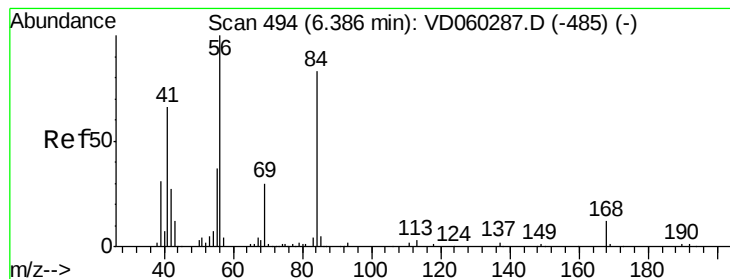
Tgt Ion: 43 Resp: 6642
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



#29
Tetrahydrofuran
Concen: 1.263 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

Tgt Ion: 42 Resp: 2493
Ion Ratio Lower Upper
42 100
72 16.6 27.6 41.4#
71 7.3 26.5 39.7#





#31

Cyclohexane

Concen: 1.143 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

SB-12-S

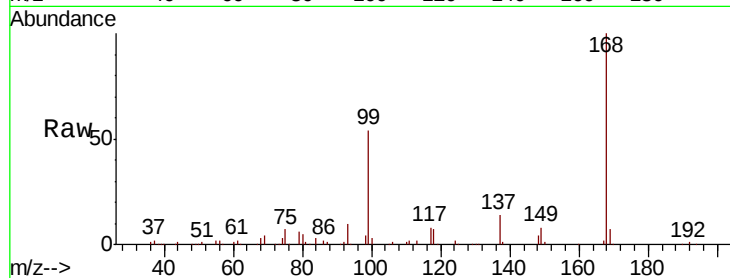
Tgt Ion: 56 Resp: 28324

Ion Ratio Lower Upper

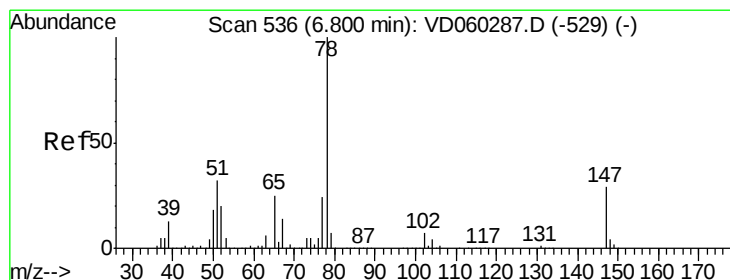
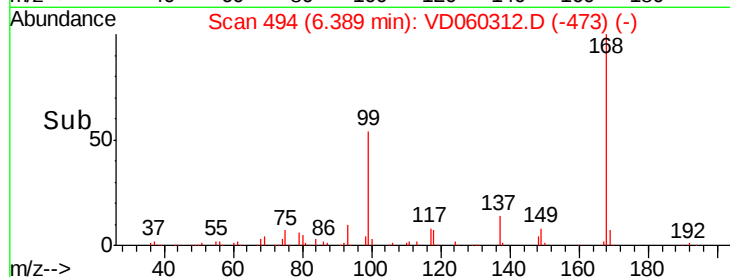
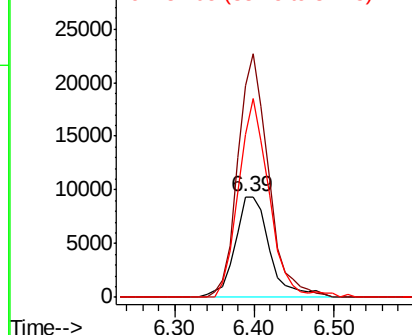
56 100

69 210.7 22.2 33.2#

84 161.5 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: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060312.D

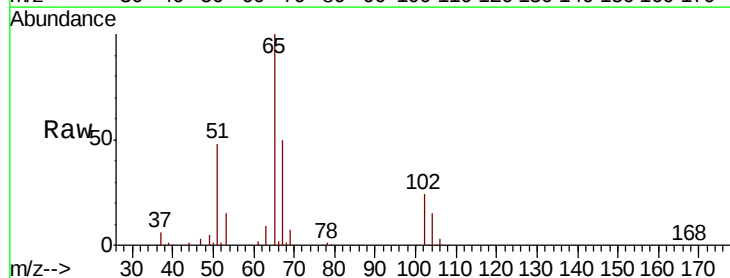
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Tgt Ion: 65 Resp: 580749

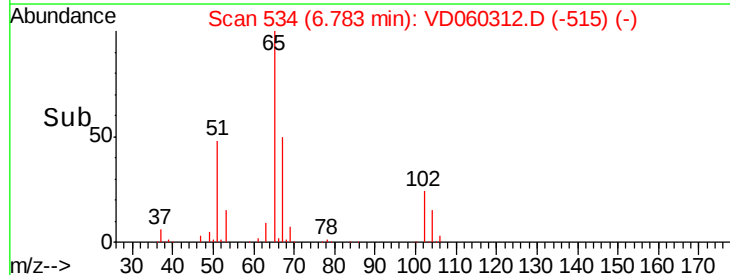
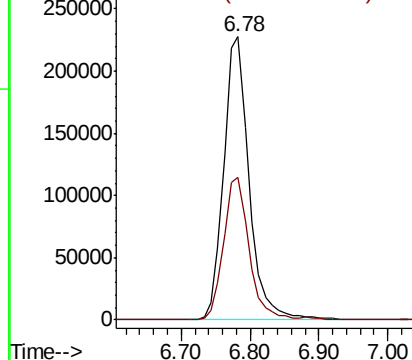
Ion Ratio Lower Upper

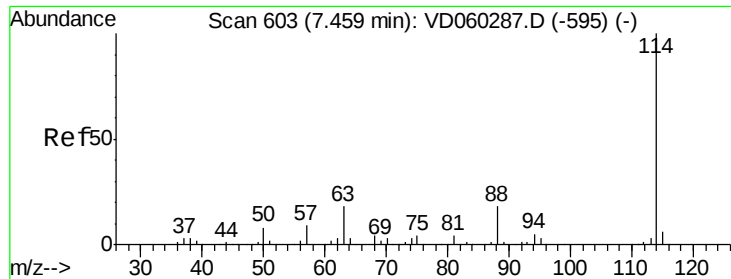
65 100

67 50.2 0.0 109.8



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

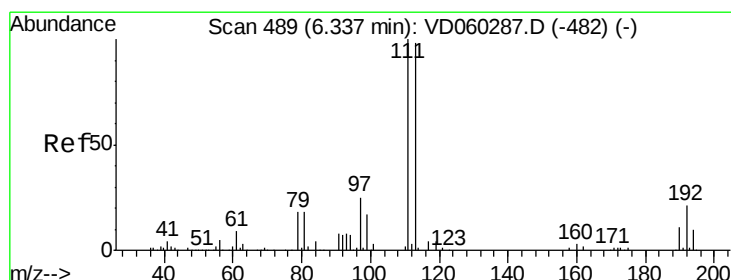
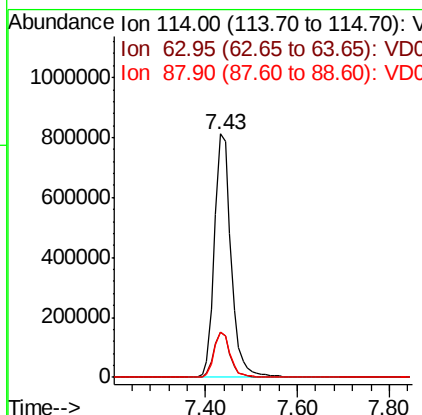
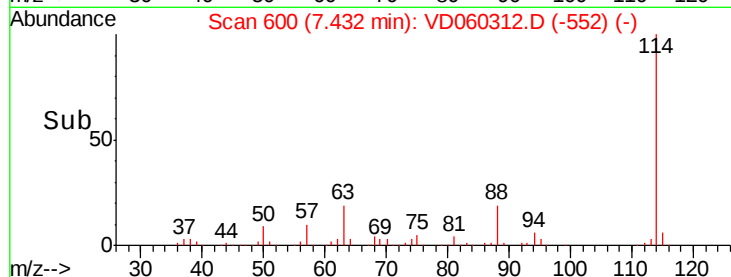
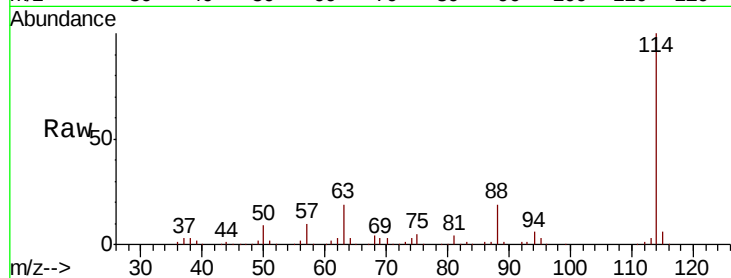




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060312.D
 Acq: 9 Nov 2018 15:13

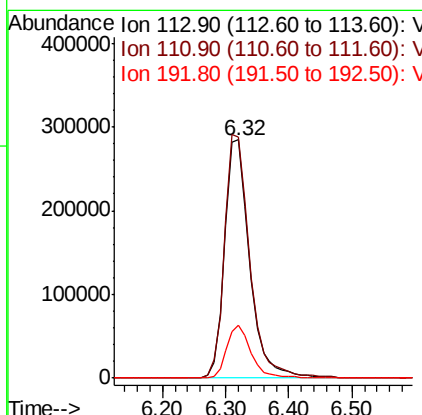
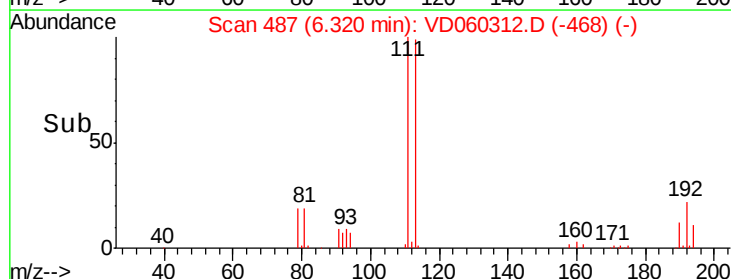
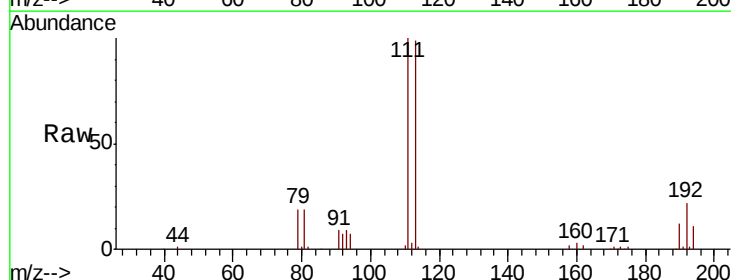
Instrument :
 MSVOA_D
 ClientSampled :
 SB-12-S

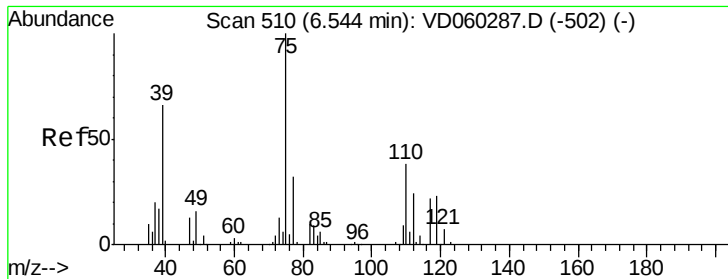
Tgt Ion:114 Resp: 2009057
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.0
 88 18.5 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD060312.D
 Acq: 9 Nov 2018 15:13

Tgt Ion:113 Resp: 781979
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.6 122.4
 192 22.0 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.120 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.14 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampled :

SB-12-S

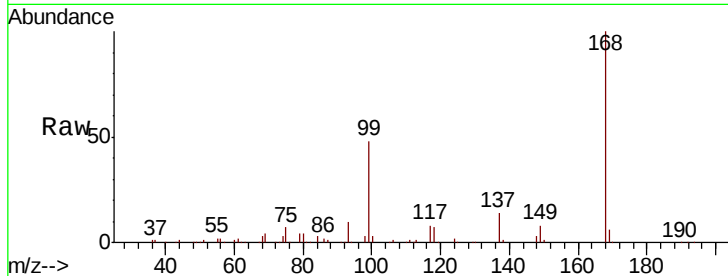
Tgt Ion: 75 Resp: 101620

Ion Ratio Lower Upper

75 100

110 6.1 18.0 54.0#

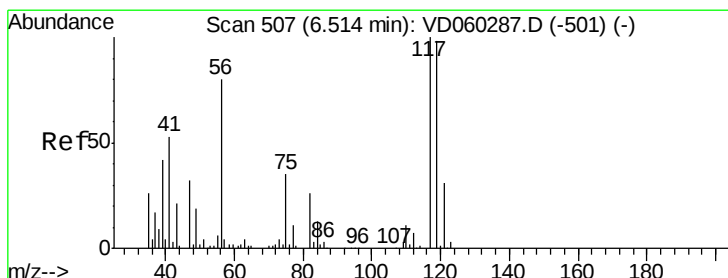
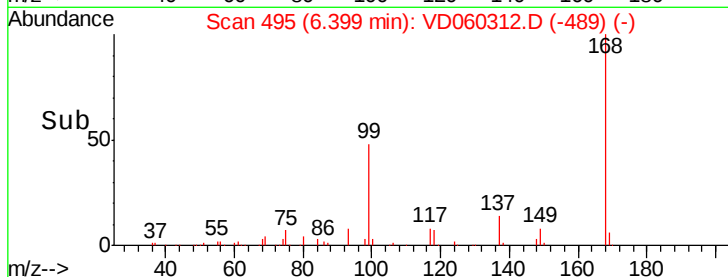
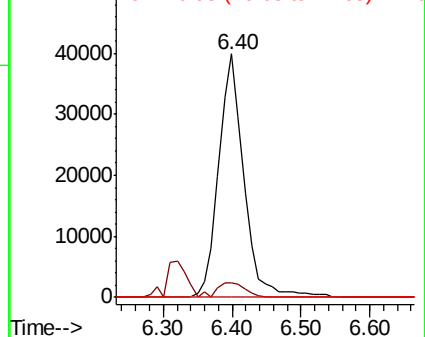
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.12 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

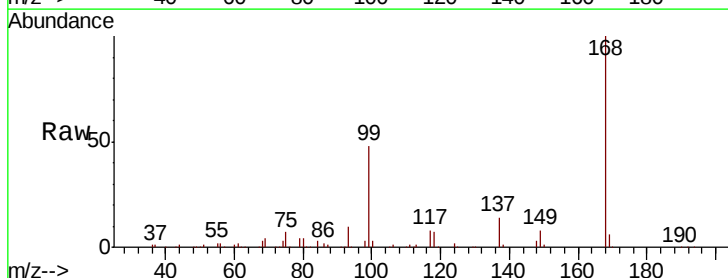
Tgt Ion: 117 Resp: 111127

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

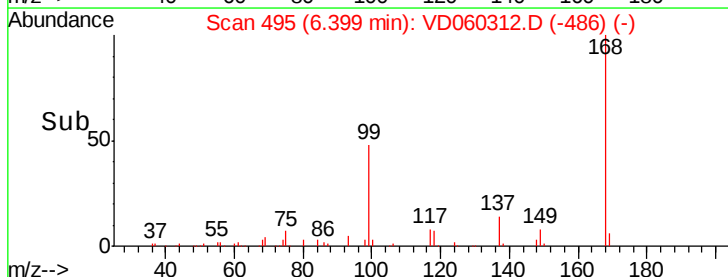
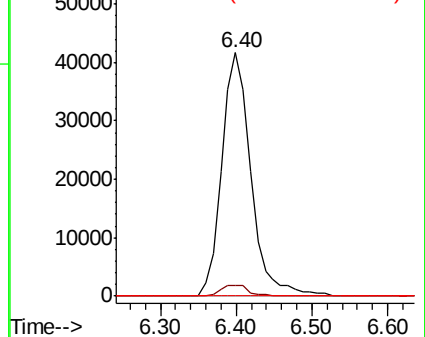
121 0.0 24.3 36.5#

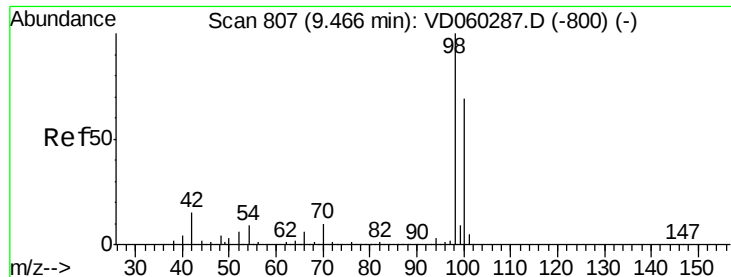


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.45 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampled :

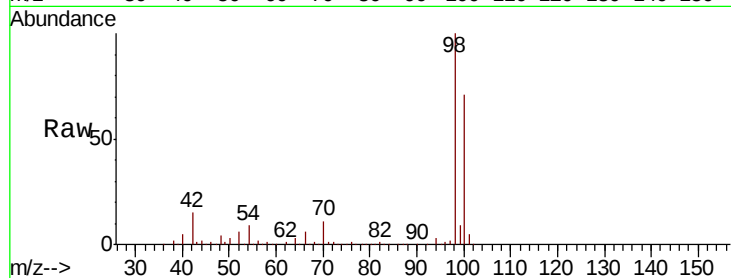
SB-12-S

Tgt Ion: 98 Resp: 2159354

Ion Ratio Lower Upper

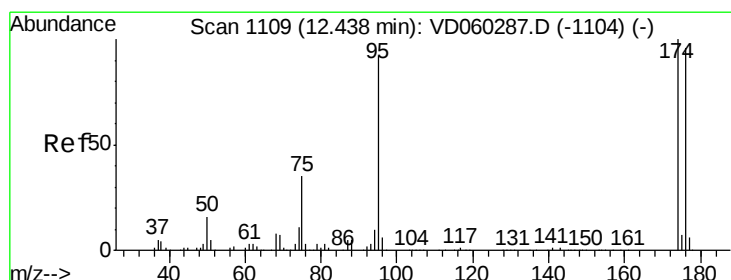
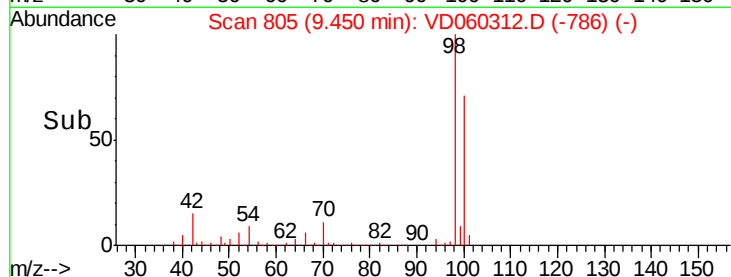
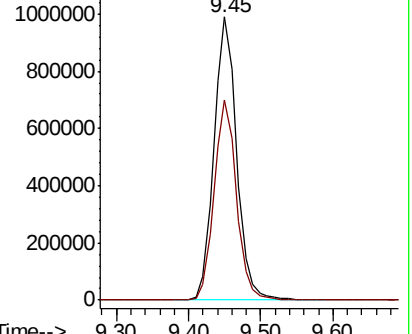
98 100

100 70.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

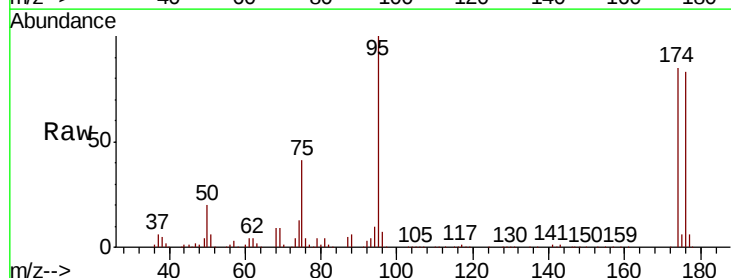
Tgt Ion: 95 Resp: 750617

Ion Ratio Lower Upper

95 100

174 84.8 0.0 160.8

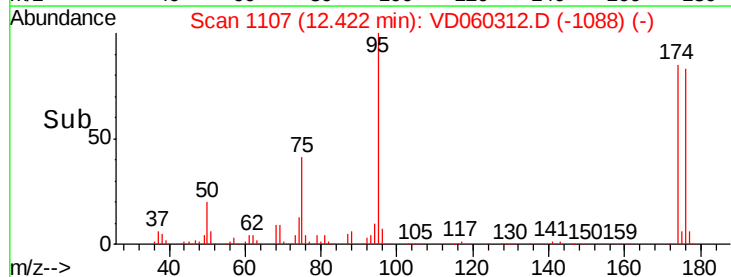
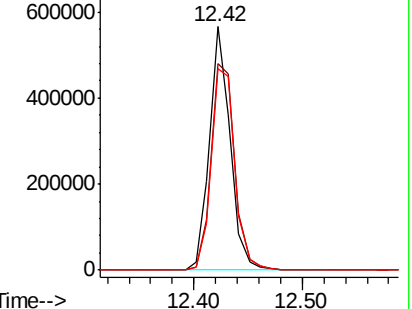
176 82.8 0.0 154.6

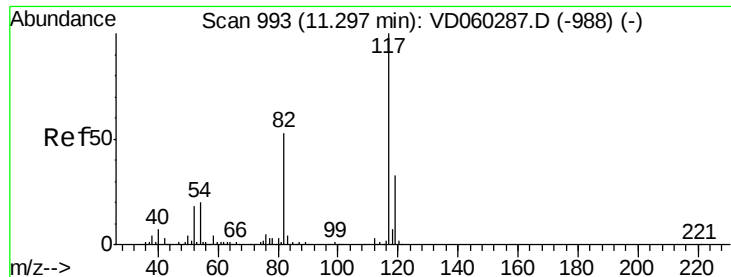


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

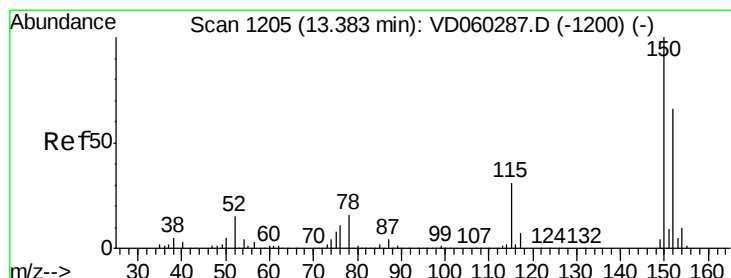
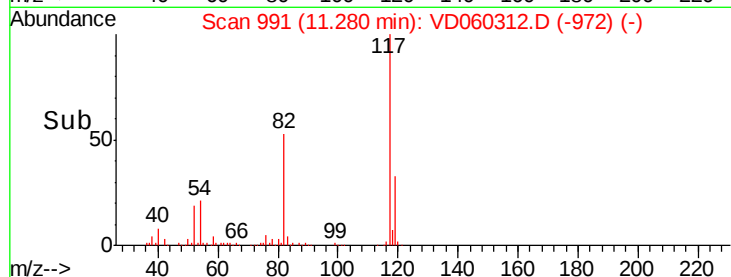
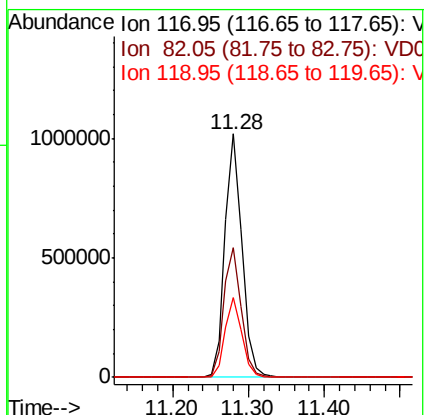
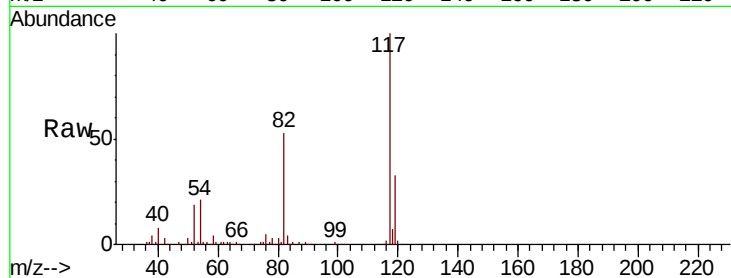




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

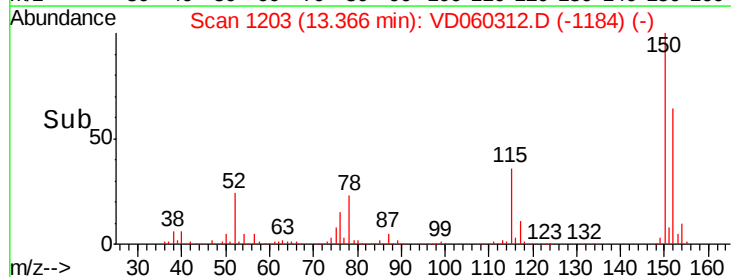
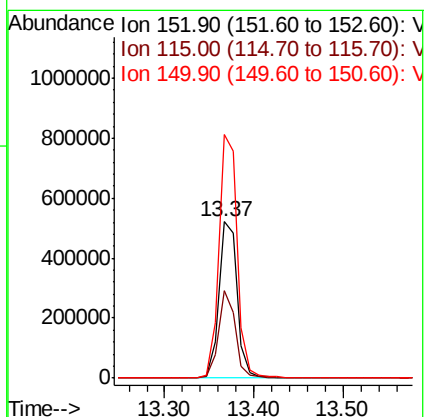
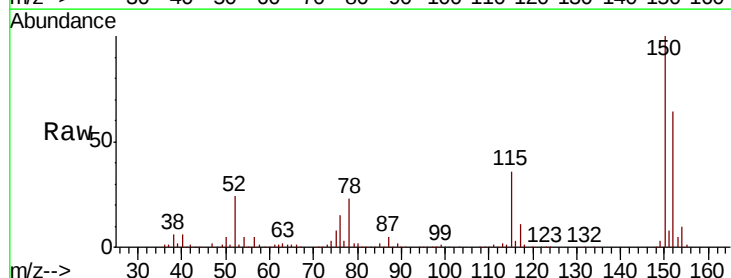
Instrument :
MSVOA_D
ClientSampleId :
SB-12-S

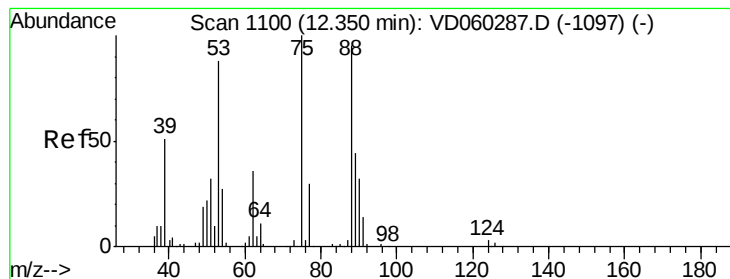
Tgt Ion:117 Resp: 1596189
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060312.D
Acq: 9 Nov 2018 15:13

Tgt Ion:152 Resp: 752711
Ion Ratio Lower Upper
152 100
115 55.7 24.1 72.3
150 156.0 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 119.833 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060312.D

Acq: 9 Nov 2018 15:13

Instrument :

MSVOA_D

ClientSampleId :

SB-12-S

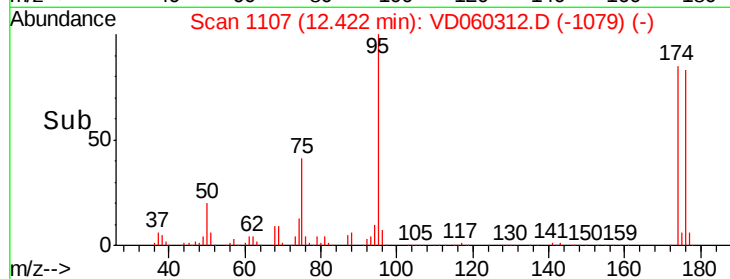
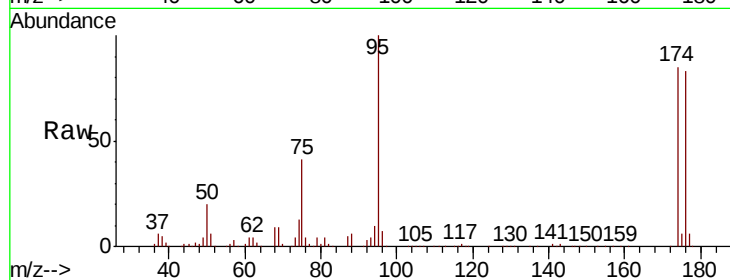
Tgt Ion: 75 Resp: 307188

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

