

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112618\
 Data File : VD060449.D
 Acq On : 26 Nov 2018 11:30
 Operator : VA/AP
 Sample : VD1126SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBL01

Quant Time: Nov 26 14:08:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1444845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1944610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1479282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	758992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	489266	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	6.35	113	717800	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	9.48	98	1994233	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.44	95	724294	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

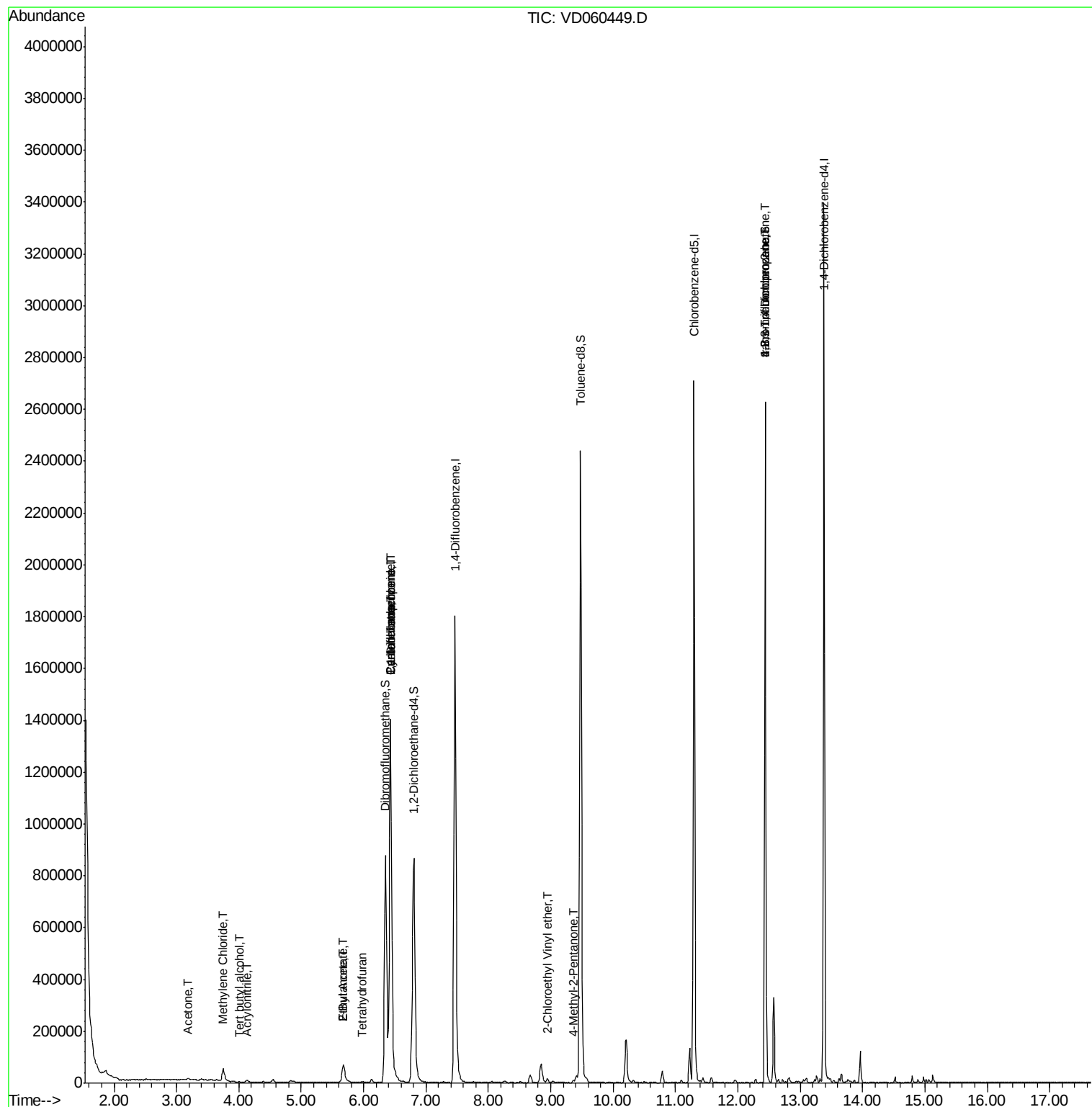
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	3530	Below Cal		92
11) Tert butyl alcohol	4.00	59	2640	6.21 ug/l	#	70
15) Acrylonitrile	4.11	53	2688	1.09 ug/l		94
16) Acetone	3.18	43	17073	9.51 ug/l	#	81
20) Methylene Chloride	3.75	84	30830	1.94 ug/l		97
25) 2-Butanone	5.66	43	10288	2.76 ug/l	#	86
29) Tetrahydrofuran	5.98	42	3055	1.55 ug/l	#	76
31) Cyclohexane	6.44	56	27717	1.12 ug/l	#	1
36) 1,1-Dichloropropene	6.43	75	100885	5.25 ug/l	#	46
37) Ethyl Acetate	5.66	43	10288	1.16 ug/l	#	77
38) Carbon Tetrachloride	6.44	117	114681	6.43 ug/l	#	15
51) 4-Methyl-2-Pentanone	9.37	43	10086	1.40 ug/l		90
58) 2-Chloroethyl Vinyl ether	8.94	63	8526	1.69 ug/l		99
76) 1,2,3-Trichloropropane	12.44	75	200696	22.10 ug/l	#	44
81) trans-1,4-Dichloro-2-buten	12.44	75	286305	110.76 ug/l	#	15
89) n-Butylbenzene	13.66	91	8813	Below Cal		93

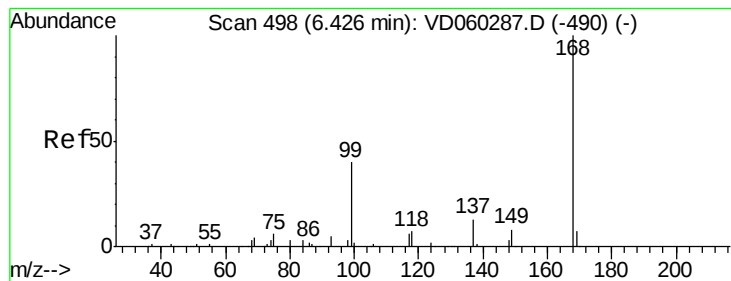
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

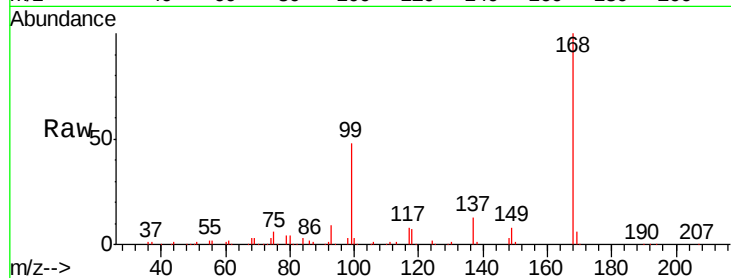
VD1126SBL01

Tgt Ion:168 Resp: 1444845

Ion Ratio Lower Upper

168 100

99 48.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

500000

400000

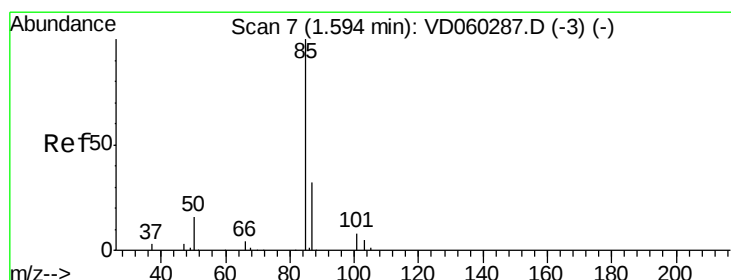
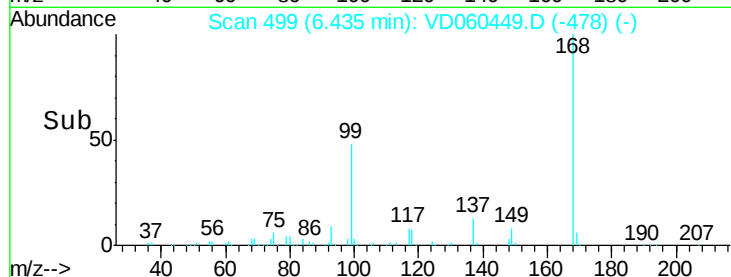
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060449.D

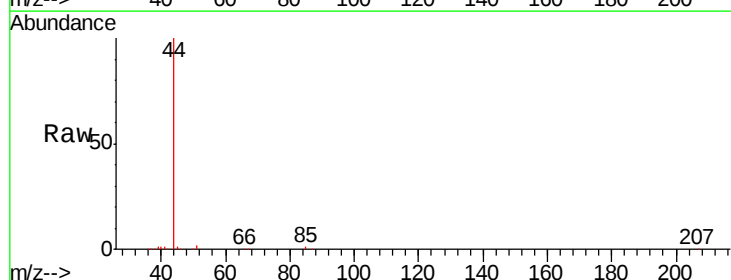
Acq: 26 Nov 2018 11:30

Tgt Ion: 85 Resp: 3530

Ion Ratio Lower Upper

85 100

87 29.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

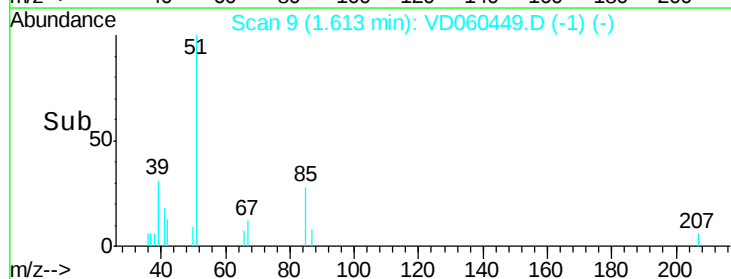
1500

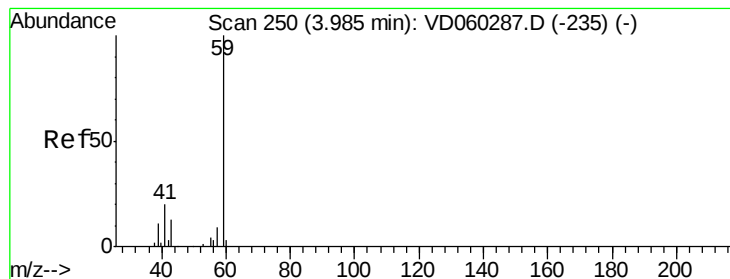
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 6.21 ug/l

RT: 4.00 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

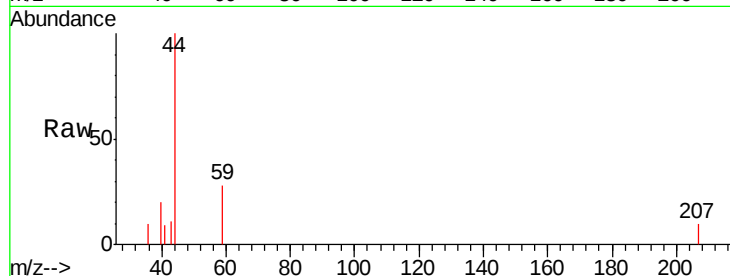
VD1126SBL01

Tgt Ion: 59 Resp: 2640

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

1200

1000

800

600

400

200

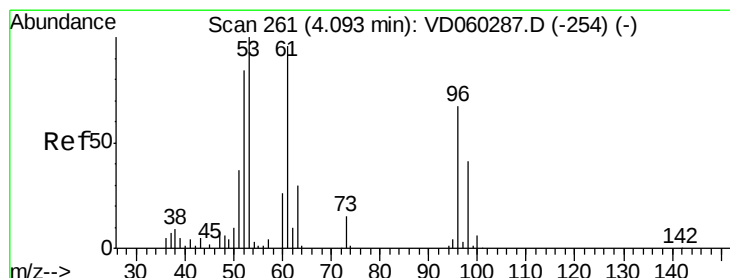
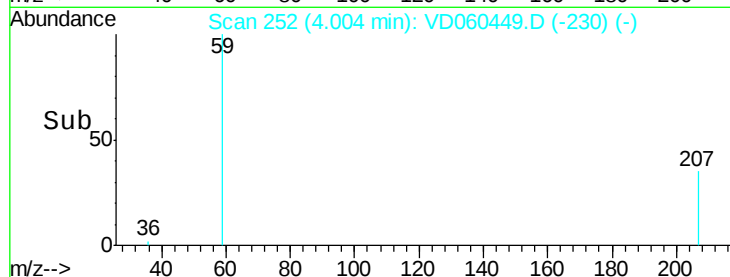
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Time-->

3.95

4.00

4.05



#15

Acrylonitrile

Concen: 1.09 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

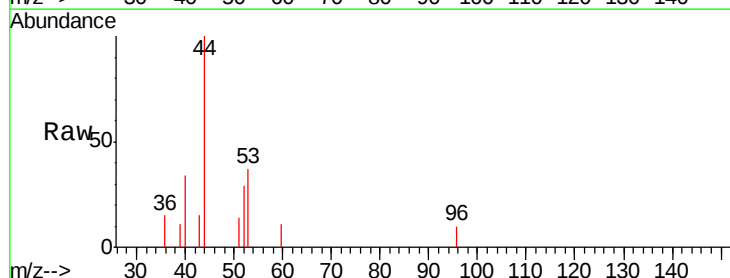
Tgt Ion: 53 Resp: 2688

Ion Ratio Lower Upper

53 100

52 76.4 67.0 100.4

51 37.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

1500

1000

500

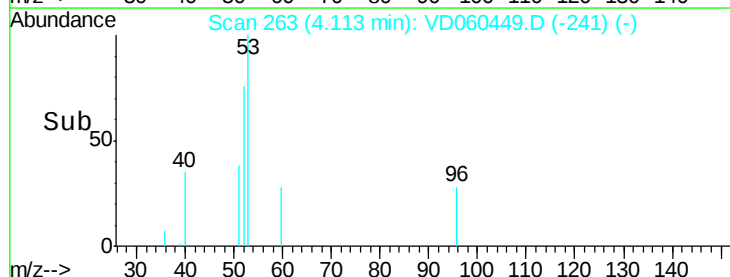
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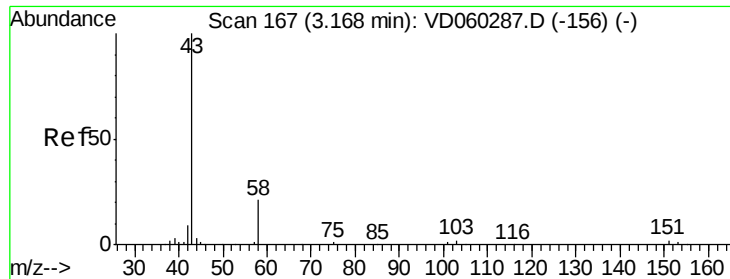
Time-->

4.05

4.11

4.15





#16

Acetone

Concen: 9.51 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

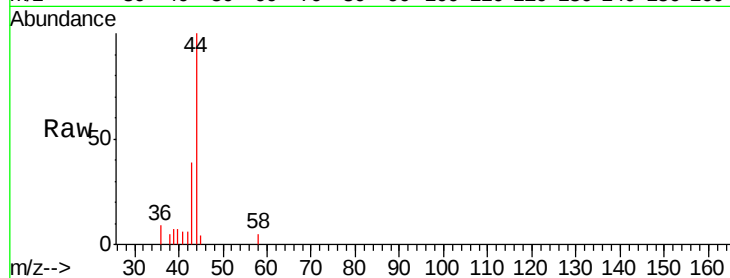
VD1126SBL01

Tgt Ion: 43 Resp: 17073

Ion Ratio Lower Upper

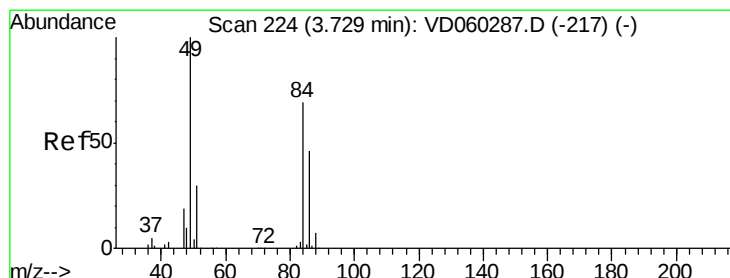
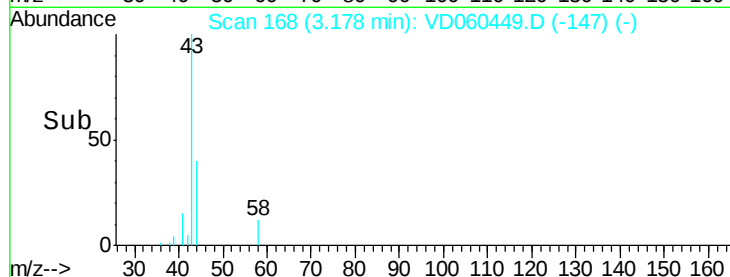
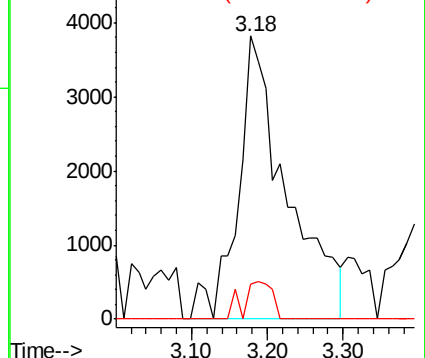
43 100

58 12.3 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.94 ug/l

RT: 3.75 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Tgt Ion: 84 Resp: 30830

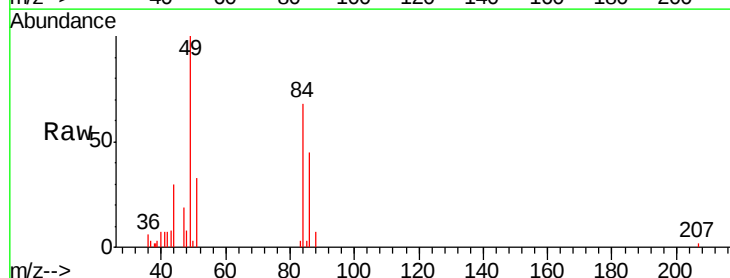
Ion Ratio Lower Upper

84 100

49 146.8 115.6 173.4

51 49.1 35.6 53.4

86 66.7 52.3 78.5

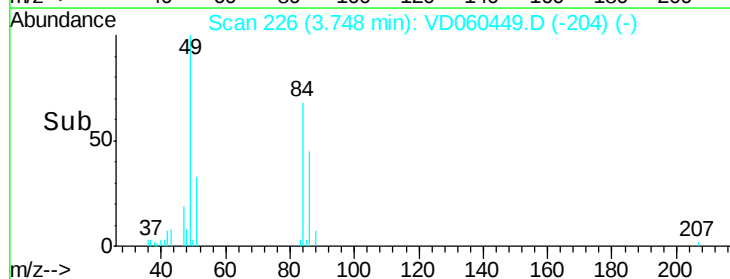
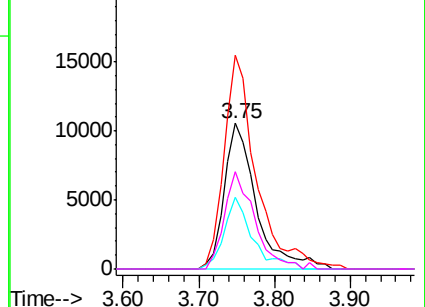


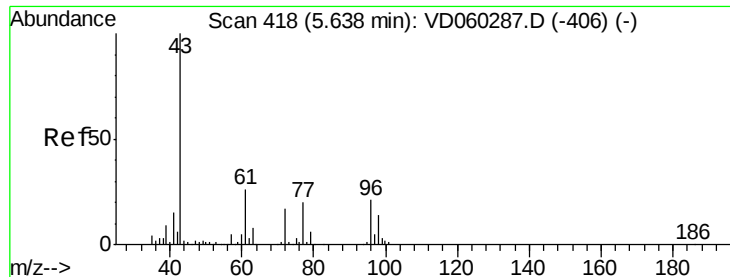
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 2.76 ug/l

RT: 5.66 min Scan# 420

Delta R.T. 0.02 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

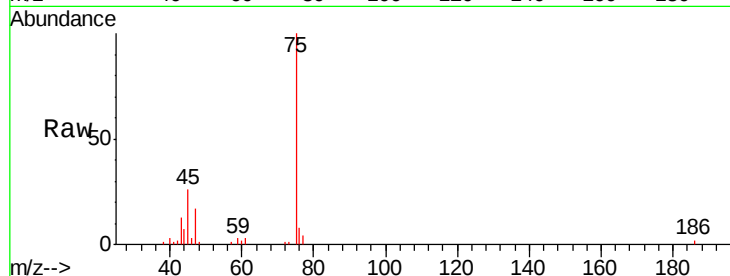
VD1126SBL01

Tgt Ion: 43 Resp: 10288

Ion Ratio Lower Upper

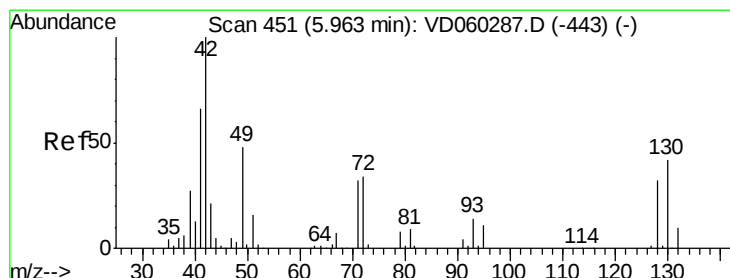
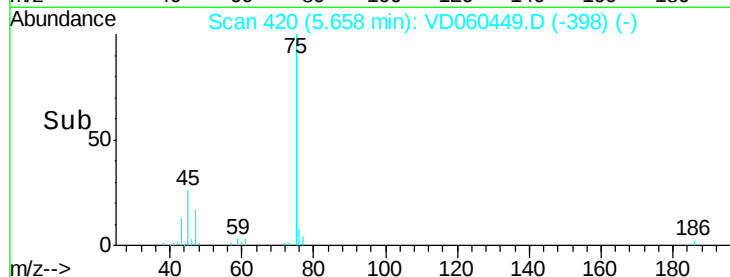
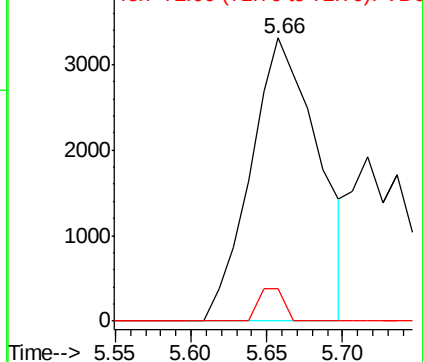
43 100

72 11.4 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: 1.55 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

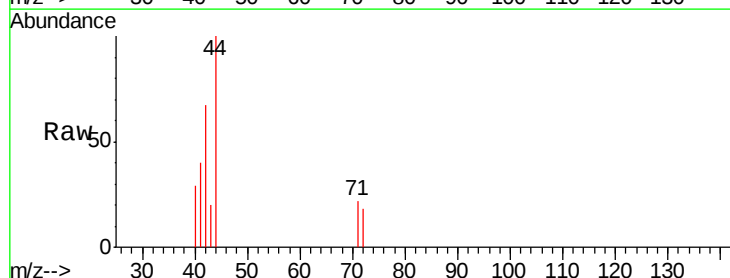
Tgt Ion: 42 Resp: 3055

Ion Ratio Lower Upper

42 100

72 14.1 27.6 41.4#

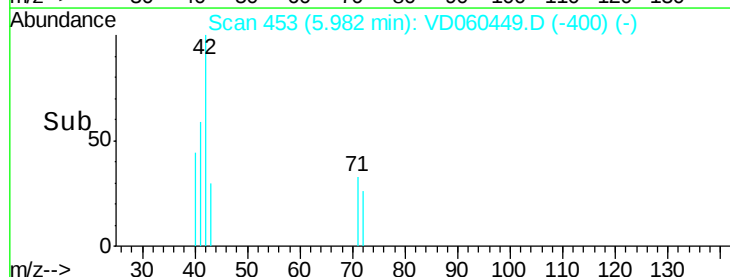
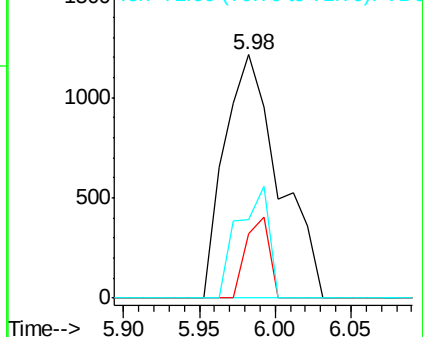
71 25.9 26.5 39.7#

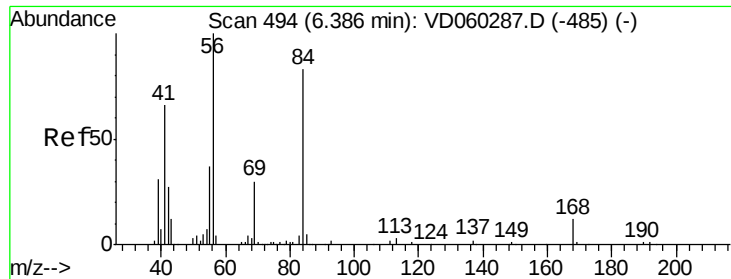


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

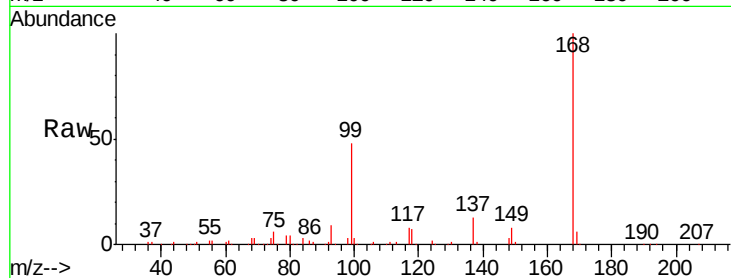




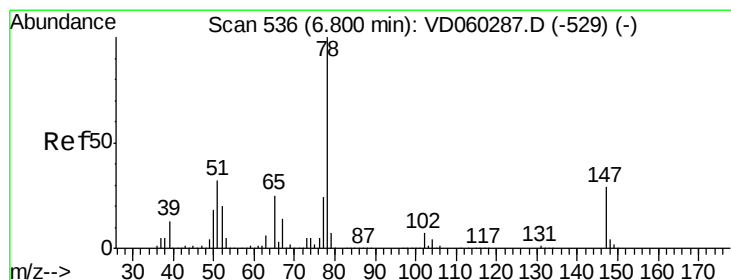
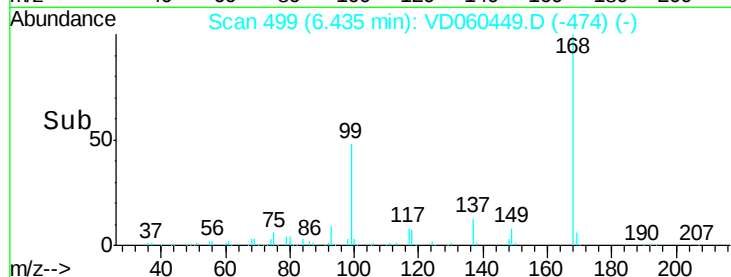
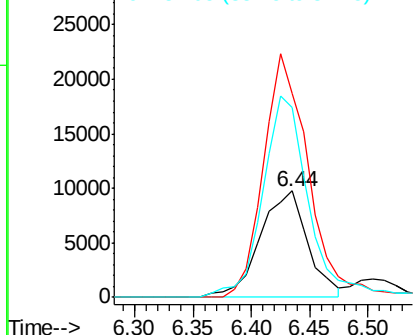
#31
Cyclohexane
Concen: 1.12 ug/l
RT: 6.44 min Scan# 499
Delta R.T. 0.05 min
Lab File: VD060449.D
Acq: 26 Nov 2018 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBL01

Tgt Ion: 56 Resp: 27717
Ion Ratio Lower Upper
56 100
69 192.9 22.2 33.2#
84 178.8 63.0 94.4#

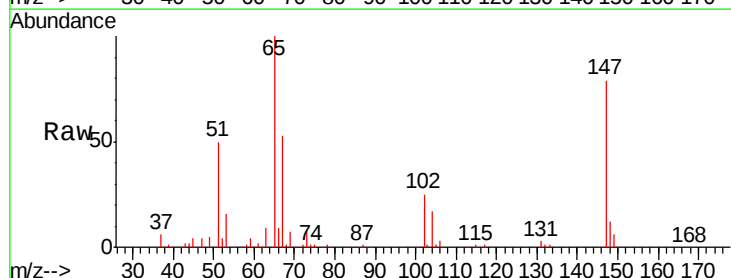


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

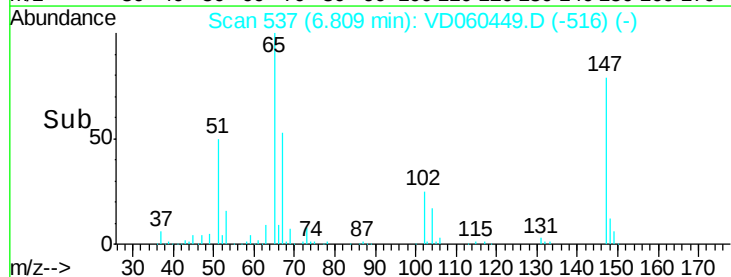
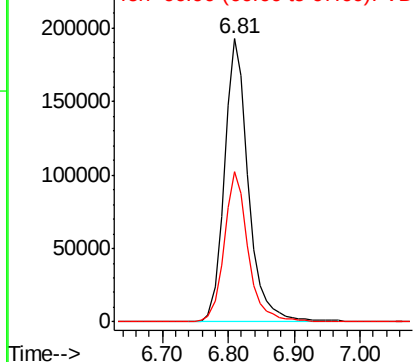


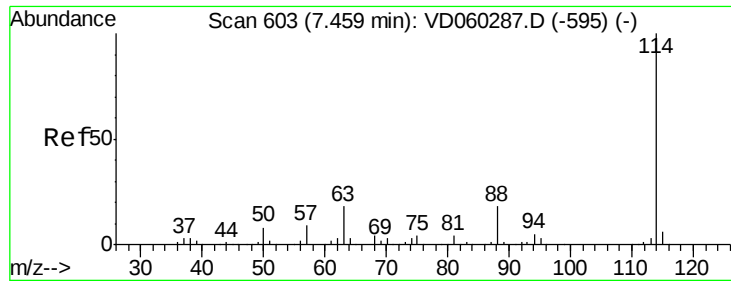
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060449.D
Acq: 26 Nov 2018 11:30

Tgt Ion: 65 Resp: 489266
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.8



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

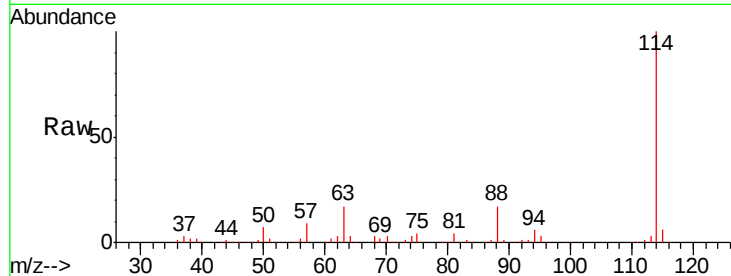




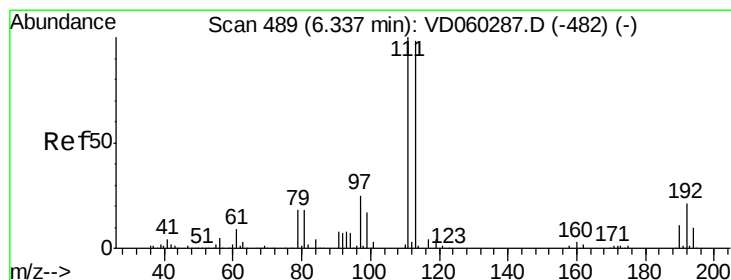
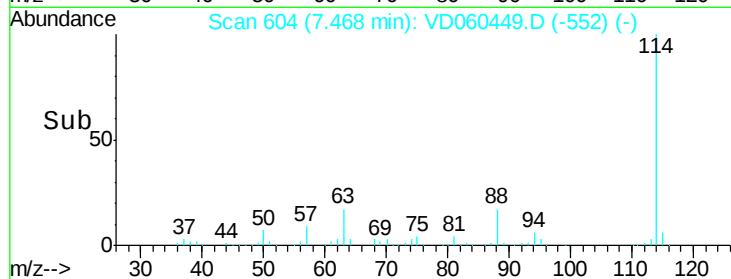
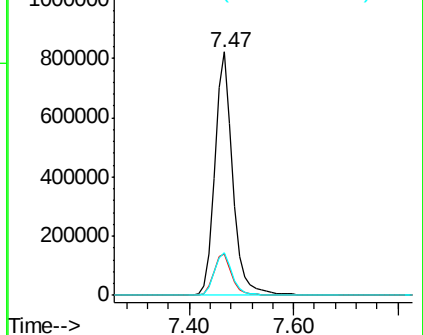
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060449.D
 Acq: 26 Nov 2018 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBL01

Tgt Ion:114 Resp: 1944610
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.0
 88 17.4 0.0 35.4

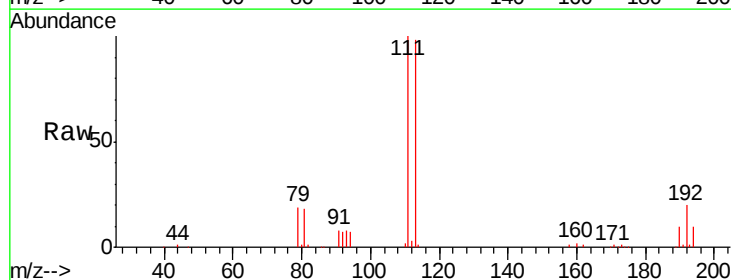


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

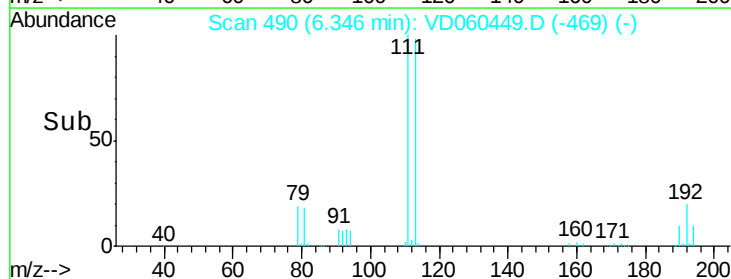
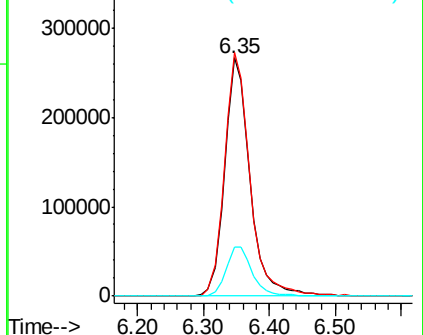


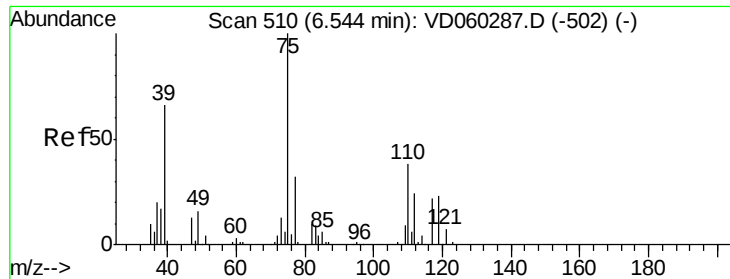
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.35 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060449.D
 Acq: 26 Nov 2018 11:30

Tgt Ion:113 Resp: 717800
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.6 122.4
 192 20.4 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

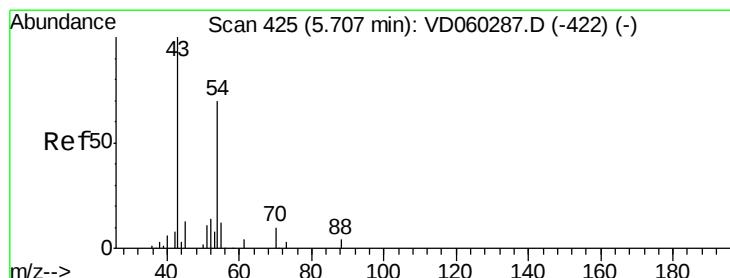
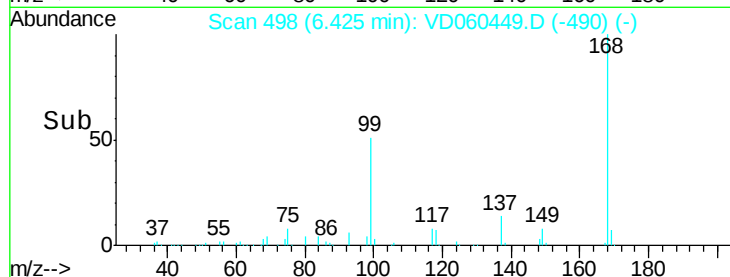
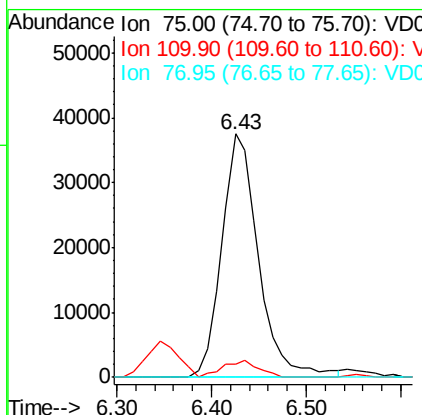
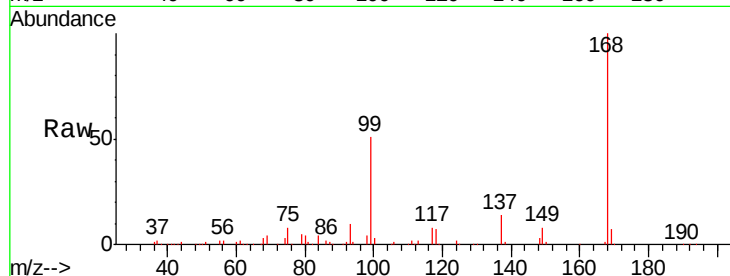




#36
 1,1-Dichloropropene
 Concen: 5.25 ug/l
 RT: 6.43 min Scan# 498
 Delta R.T. -0.12 min
 Lab File: VD060449.D
 Acq: 26 Nov 2018 11:30

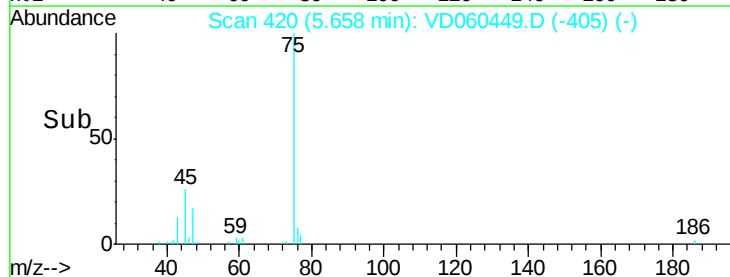
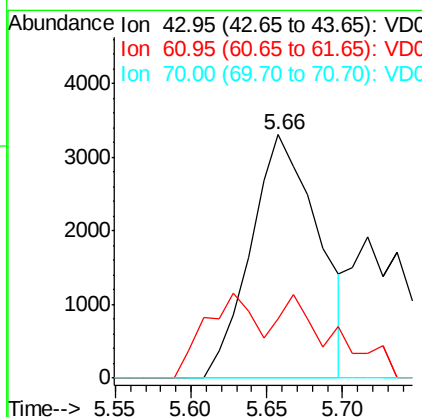
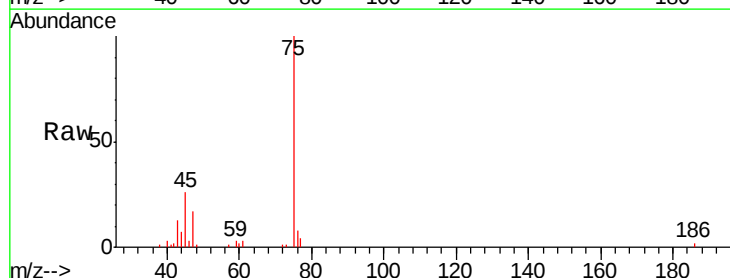
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBL01

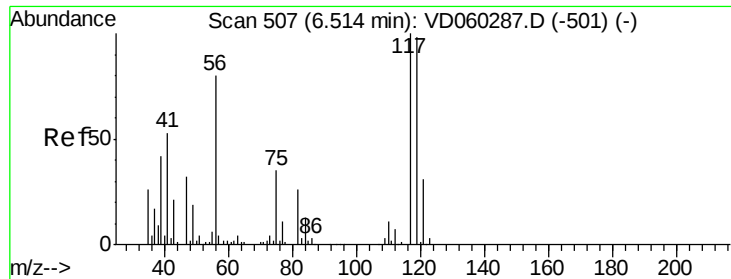
Tgt Ion: 75 Resp: 100885
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.0 54.0#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 1.16 ug/l
 RT: 5.66 min Scan# 420
 Delta R.T. -0.05 min
 Lab File: VD060449.D
 Acq: 26 Nov 2018 11:30

Tgt Ion: 43 Resp: 10288
 Ion Ratio Lower Upper
 43 100
 61 24.6 11.8 17.6#
 70 0.0 6.2 9.4#





#38

Carbon Tetrachloride

Concen: 6.43 ug/l

RT: 6.44 min Scan# 499

Delta R.T. -0.08 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBL01

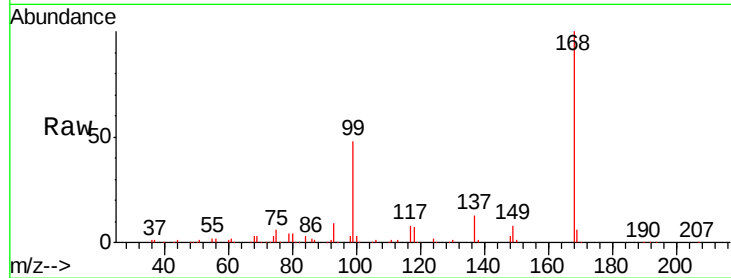
Tgt Ion:117 Resp: 114681

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

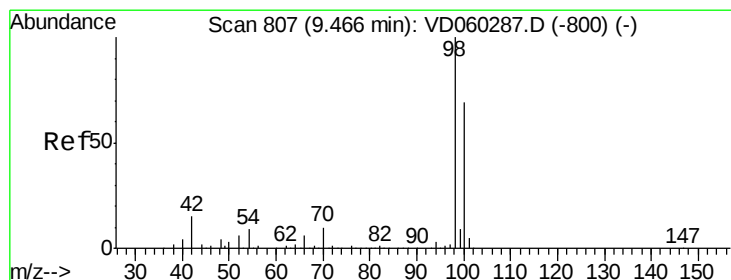
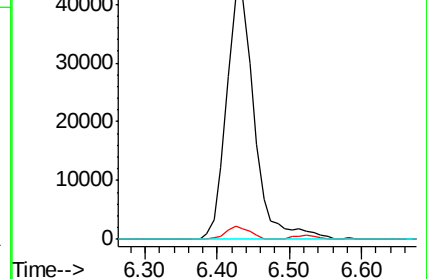
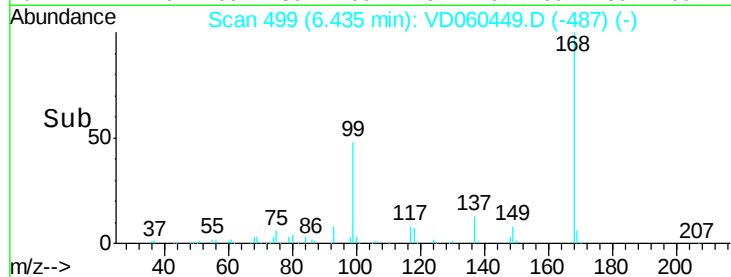
121 0.0 24.3 36.5#



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: 9.48 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060449.D

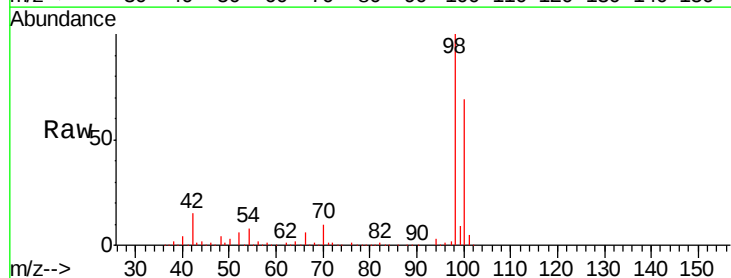
Acq: 26 Nov 2018 11:30

Tgt Ion: 98 Resp: 1994233

Ion Ratio Lower Upper

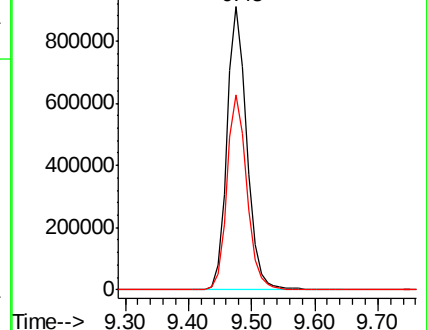
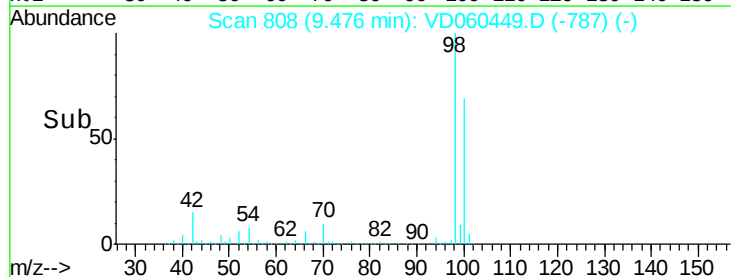
98 100

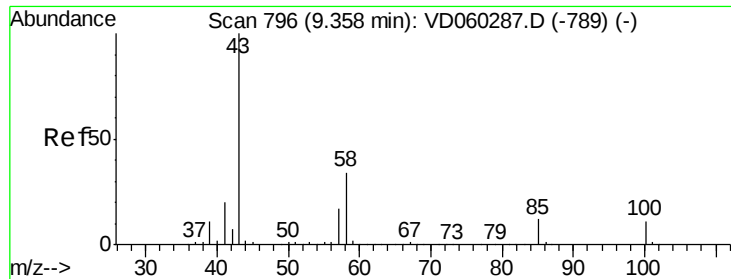
100 69.1 55.2 82.8



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: 1.40 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

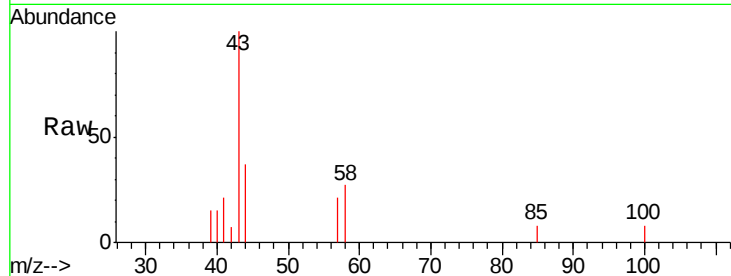
VD1126SBL01

Tgt Ion: 43 Resp: 10086

Ion Ratio Lower Upper

43 100

58 26.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.37

4000

3000

2000

1000

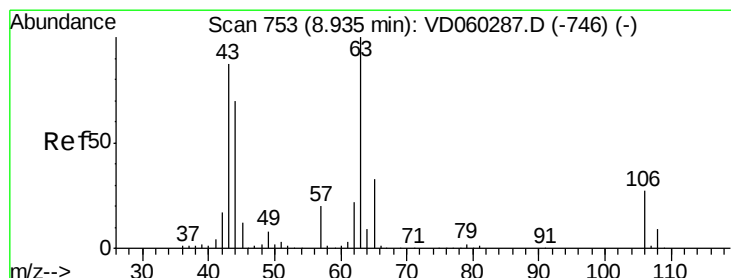
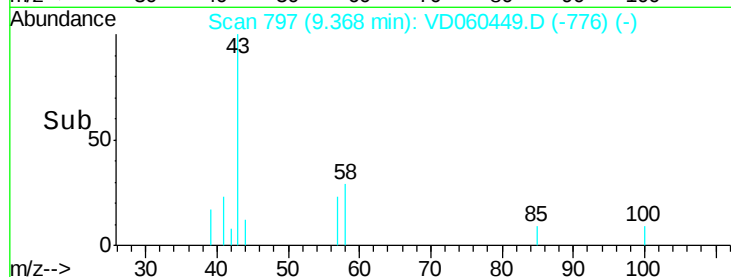
0

9.30

9.35

9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.69 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060449.D

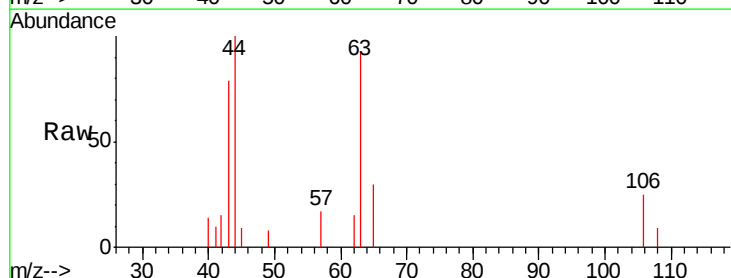
Acq: 26 Nov 2018 11:30

Tgt Ion: 63 Resp: 8526

Ion Ratio Lower Upper

63 100

106 26.5 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.94

4000

3000

2000

1000

0

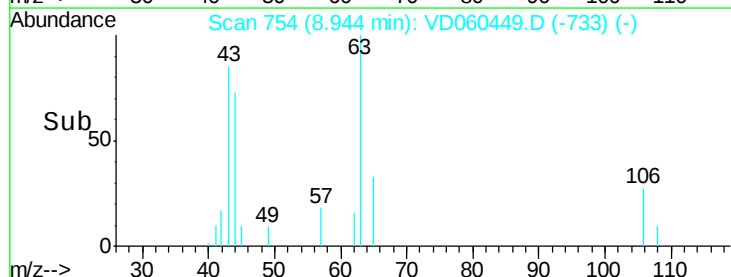
8.85

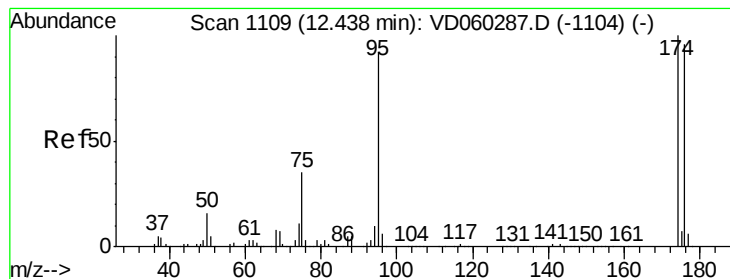
8.90

8.95

9.00

Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBL01

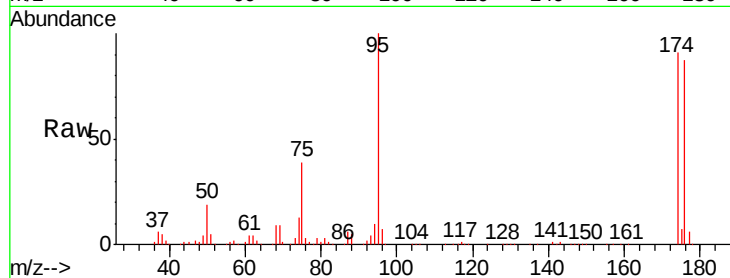
Tgt Ion: 95 Resp: 724294

Ion Ratio Lower Upper

95 100

174 91.4 0.0 160.8

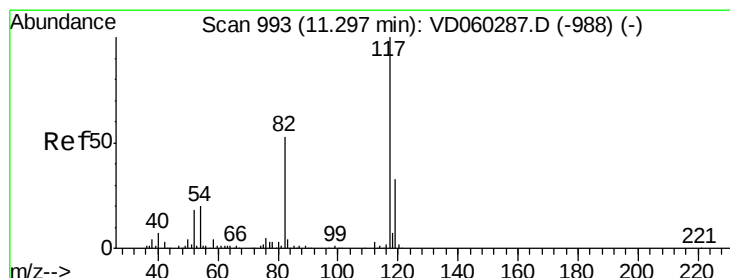
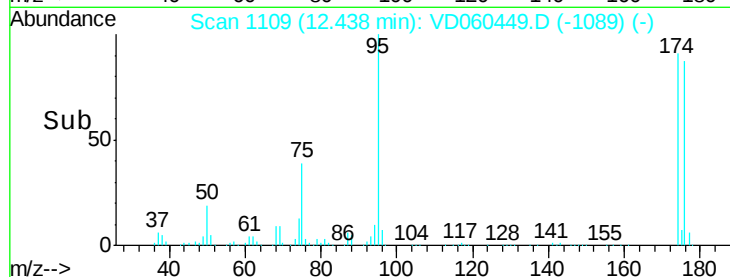
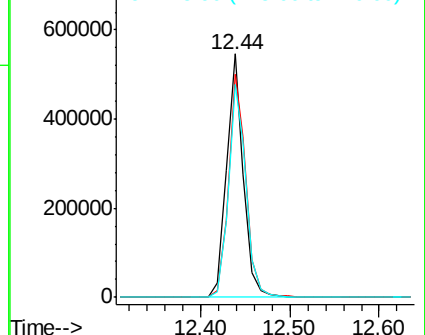
176 87.4 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

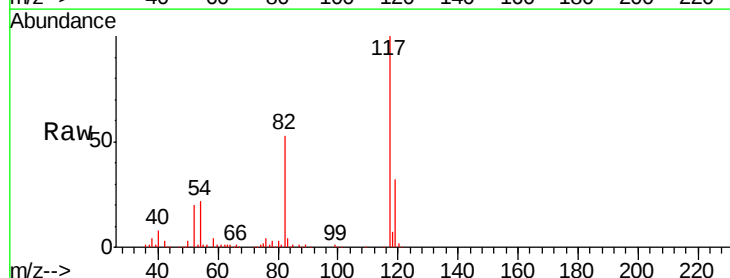
Tgt Ion: 117 Resp: 1479282

Ion Ratio Lower Upper

117 100

82 53.1 43.7 65.5

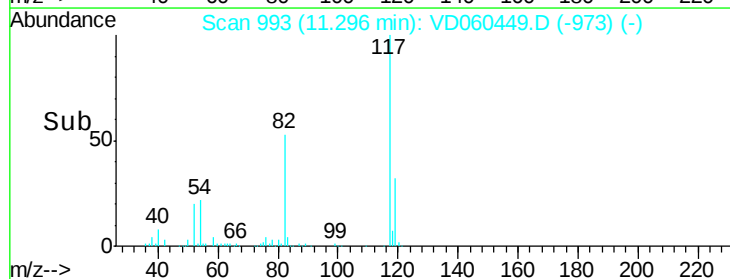
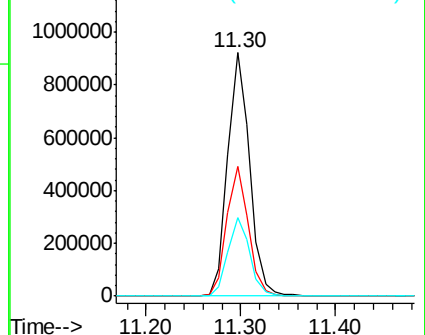
119 32.5 26.1 39.1

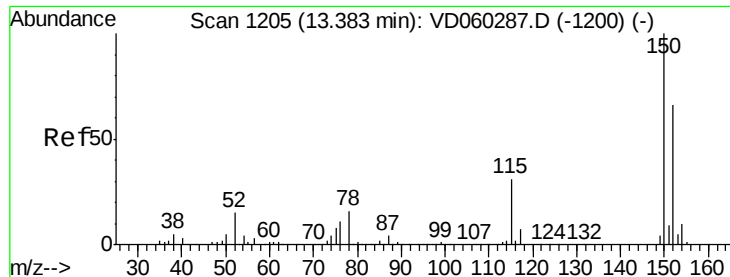


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBL01

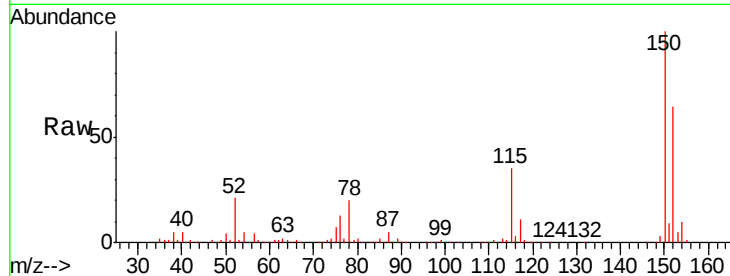
Tgt Ion:152 Resp: 758992

Ion Ratio Lower Upper

152 100

115 53.8 24.1 72.3

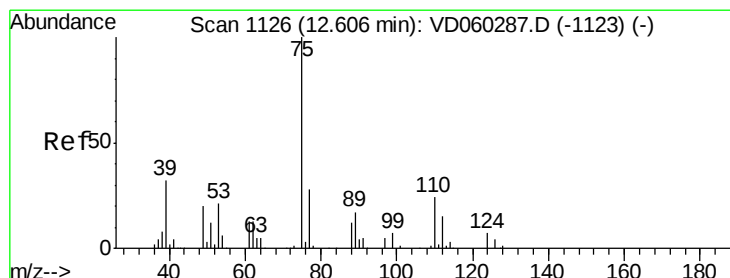
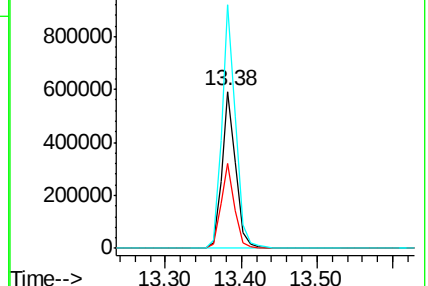
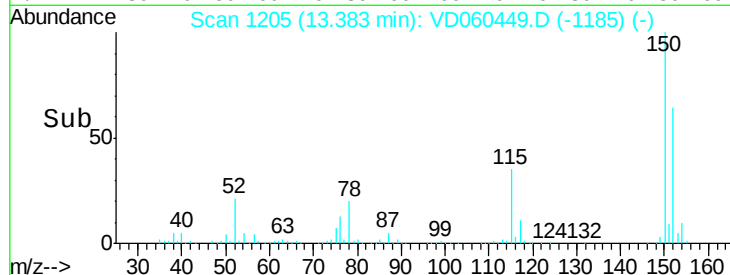
150 155.5 0.0 310.6



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: 22.10 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.17 min

Lab File: VD060449.D

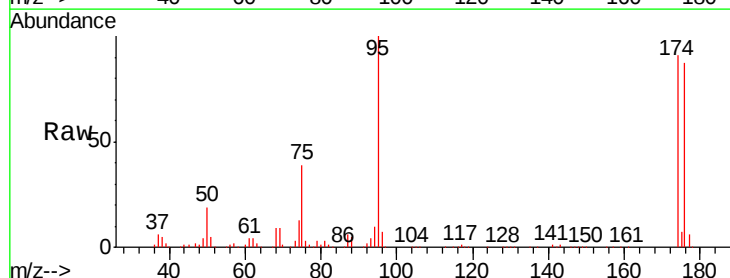
Acq: 26 Nov 2018 11:30

Tgt Ion: 75 Resp: 200696

Ion Ratio Lower Upper

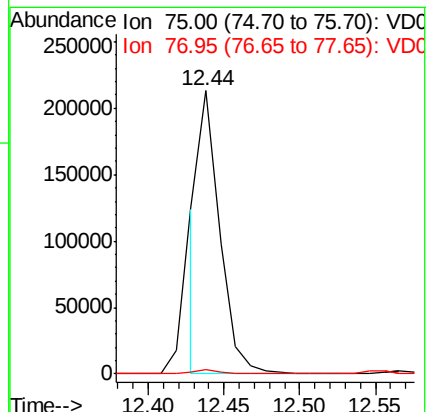
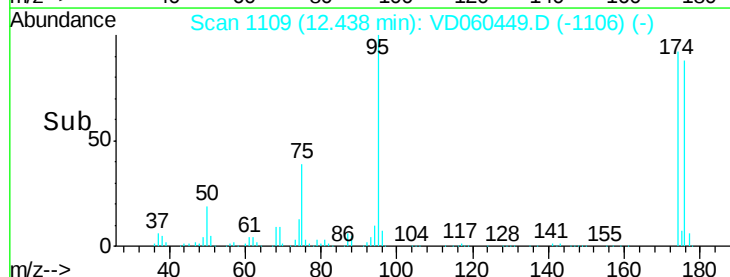
75 100

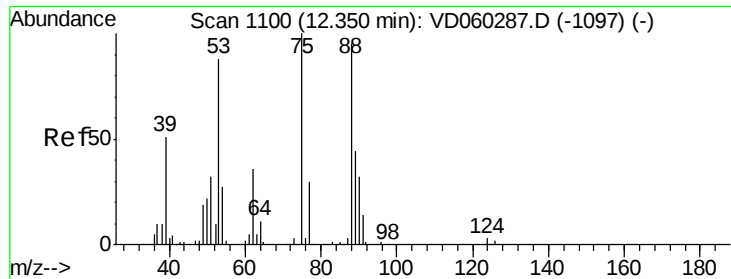
77 1.3 16.4 49.1#



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: 110.76 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060449.D

Acq: 26 Nov 2018 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBL01

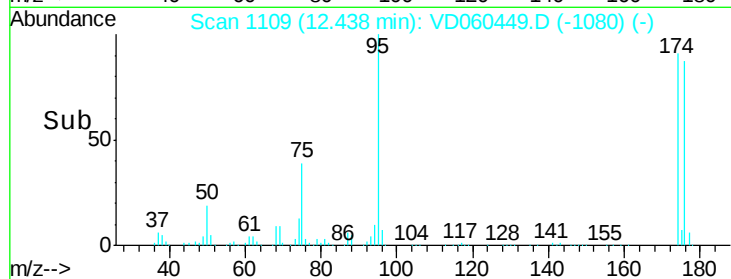
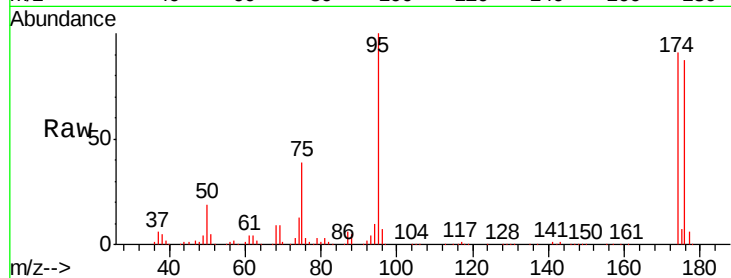
Tgt Ion: 75 Resp: 286305

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

