

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060235.D
 Acq On : 29 Oct 2018 18:06
 Operator : VA/AP
 Sample : J5703-02RE
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRENCH-02-BASERE

Quant Time: Oct 29 18:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1452602	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.46	114	2157027	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1615480	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	535613	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	656941	59.66	ug/l	0.04
Spiked Amount			Recovery	=	119.32%	
35) Dibromofluoromethane	6.34	113	844806	51.58	ug/l	0.04
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	9.47	98	2115013	45.28	ug/l	0.03
Spiked Amount			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.49	95	81081	4.64	ug/l	0.07
Spiked Amount			Recovery	=	9.28%	

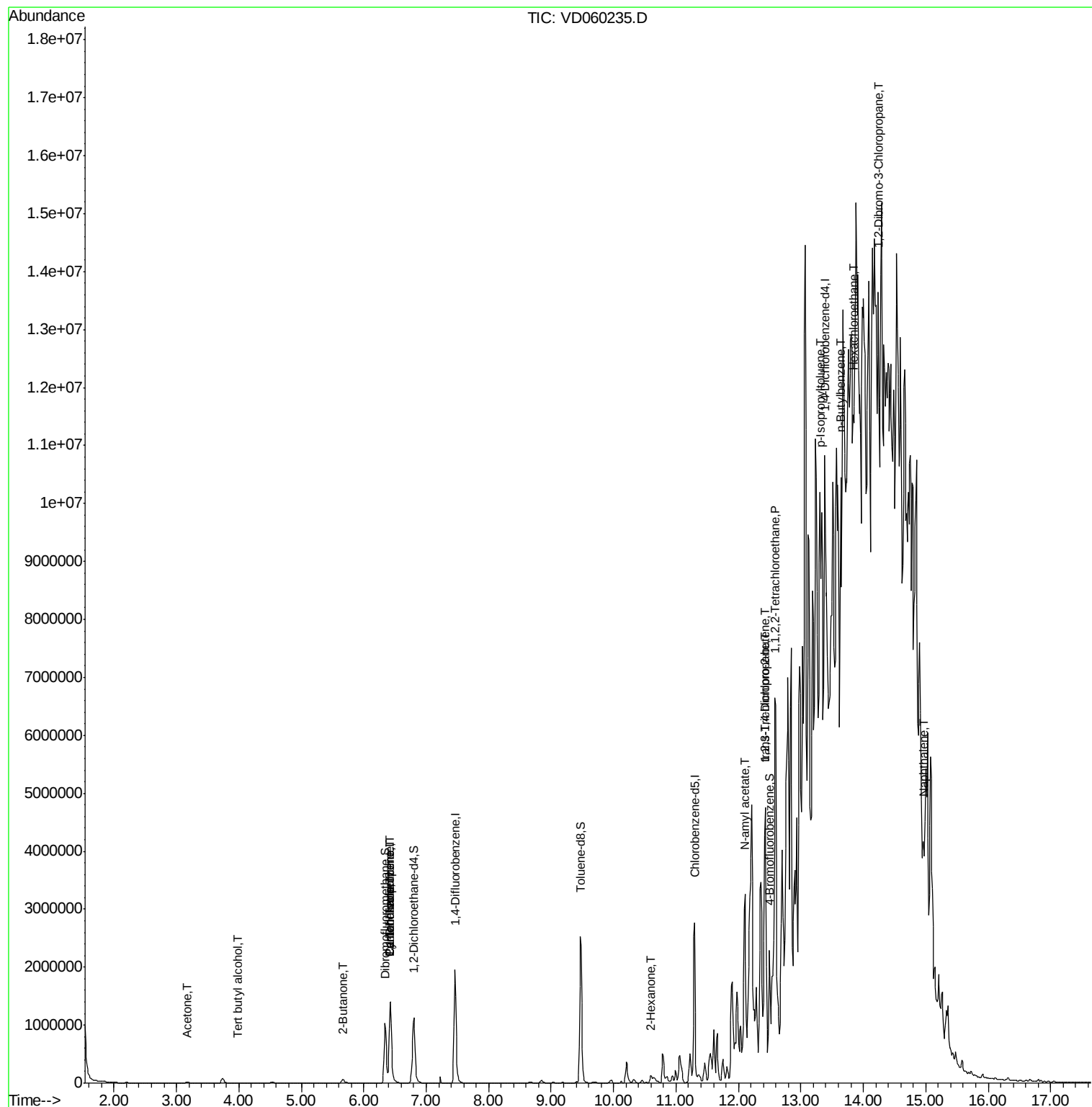
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	4725	5.983	ug/l #	74
16) Acetone	3.17	43	19822	9.921	ug/l #	87
20) Methylene Chloride	3.74	84	57015	Below Cal		94
25) 2-Butanone	5.65	43	9548	1.913	ug/l #	59
31) Cyclohexane	6.42	56	26306	1.103	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	100642	4.883	ug/l #	47
38) Carbon Tetrachloride	6.43	117	116940	6.251	ug/l #	15
59) 2-Hexanone	10.59	43	54078	6.624	ug/l #	44
74) N-amyl acetate	12.11	43	615150	47.527	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.60	83	460379	59.679	ug/l #	63
76) 1,2,3-Trichloropropane	12.44	75	263375	34.145	ug/l #	48
81) trans-1,4-Dichloro-2-buten	12.44	75	262181	120.966	ug/l #	21
86) p-Isopropyltoluene	13.31	119	356587	11.716	ug/l	94
89) n-Butylbenzene	13.64	91	275541	9.278	ug/l #	1
90) Hexachloroethane	13.84	117	79170	11.240	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33766	32.782	ug/l #	1
95) Naphthalene	14.96	128	49947	2.639	ug/l #	1

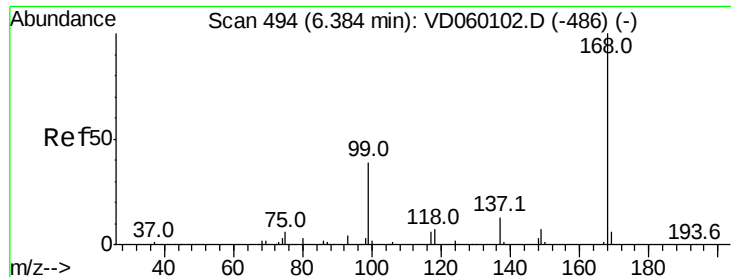
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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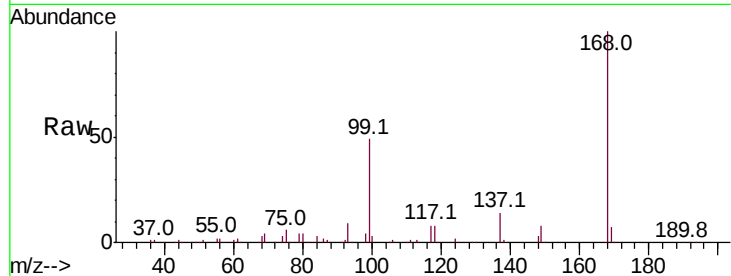


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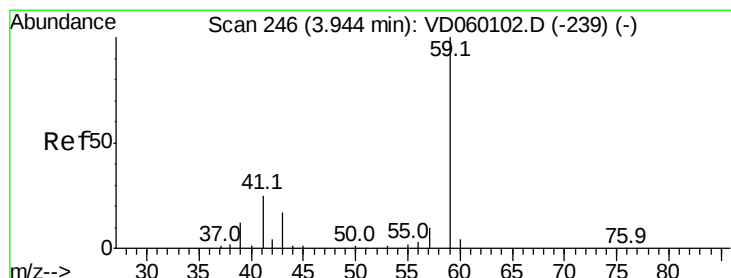
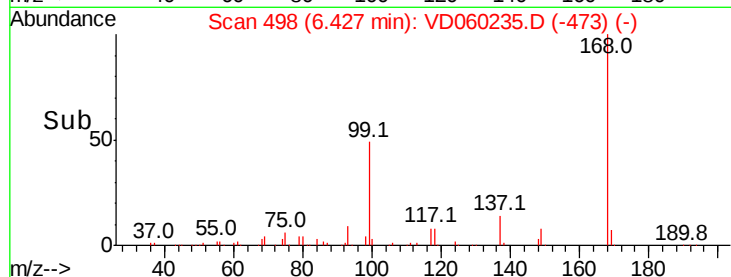
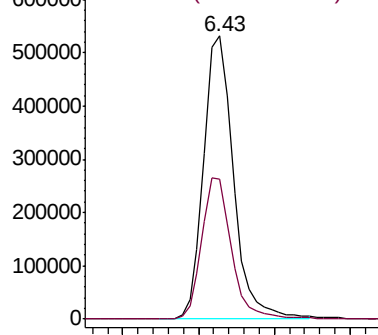
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.43 min Scan# 498
 Delta R.T. 0.04 min
 Lab File: VD060235.D
 Acq: 29 Oct 2018 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TRENCH-02-BASERE

Tot Ion:168 Resp: 1452602
 Ion Ratio Lower Upper
 168 100
 99 49.5 35.4 53.0



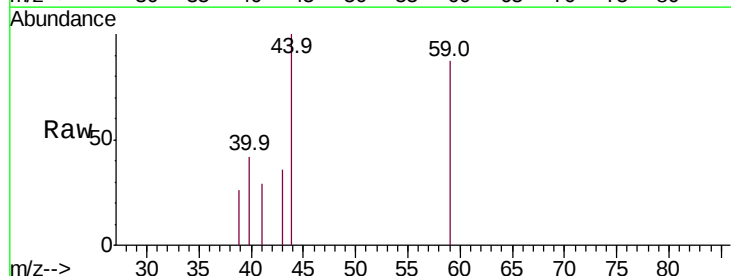
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



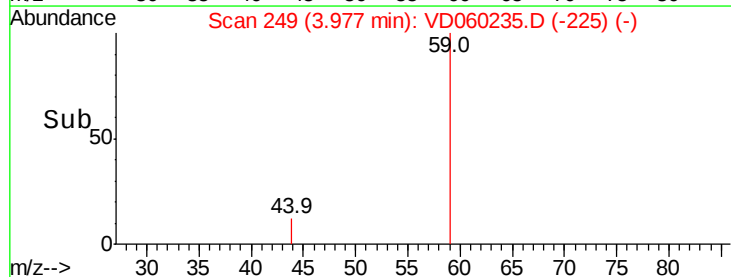
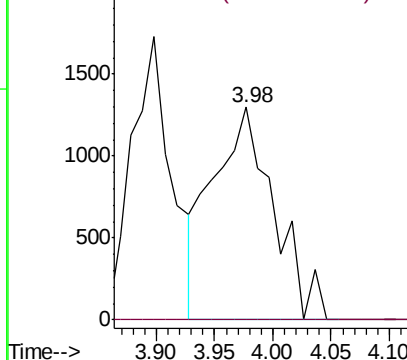
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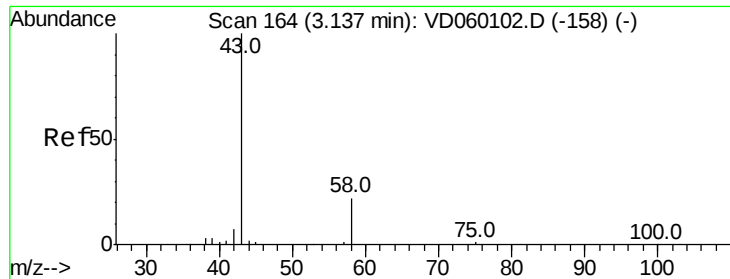
Tert butyl alcohol
 Concen: 5.983 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060235.D
 Acq: 29 Oct 2018 18:06

Tgt Ion: 59 Resp: 4725
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



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





#16

Acetone

Concen: 9.921 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

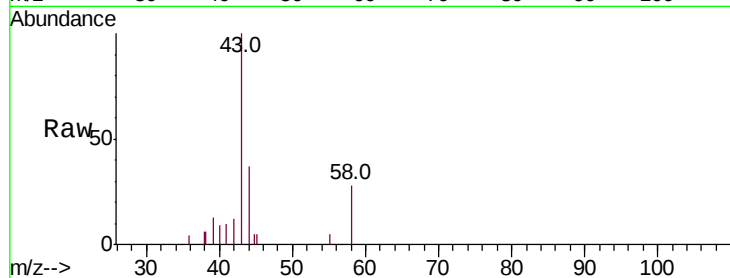
TRENCH-02-BASERE

Tot Ion: 43 Resp: 19822

Ion Ratio Lower Upper

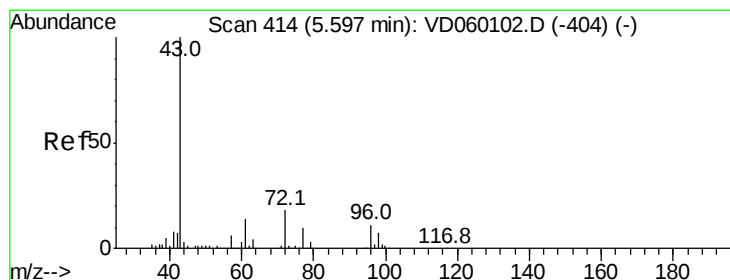
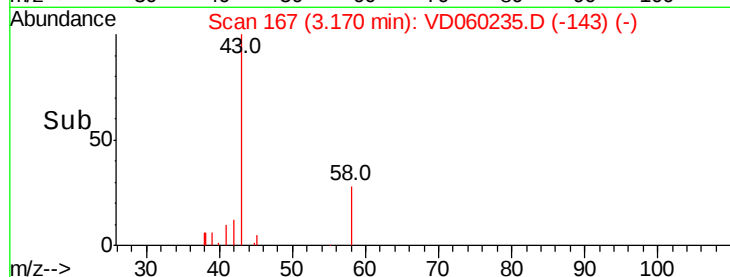
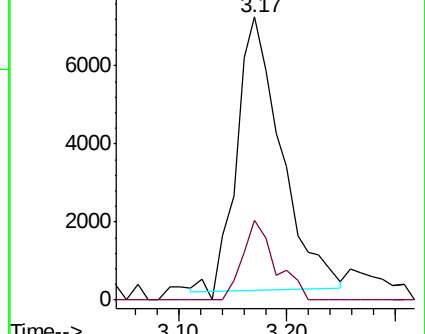
43 100

58 28.1 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 1.913 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.05 min

Lab File: VD060235.D

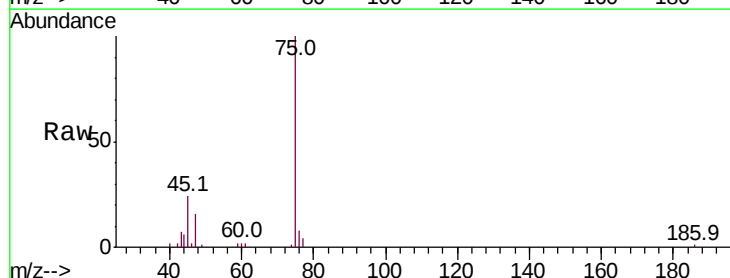
Acq: 29 Oct 2018 18:06

Tgt Ion: 43 Resp: 9548

Ion Ratio Lower Upper

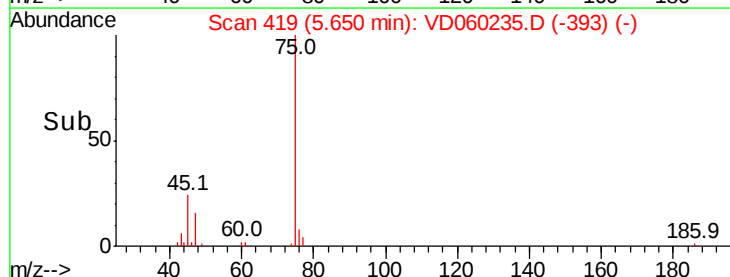
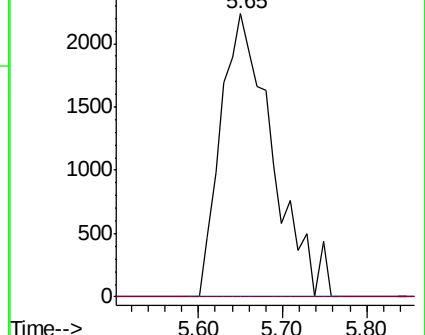
43 100

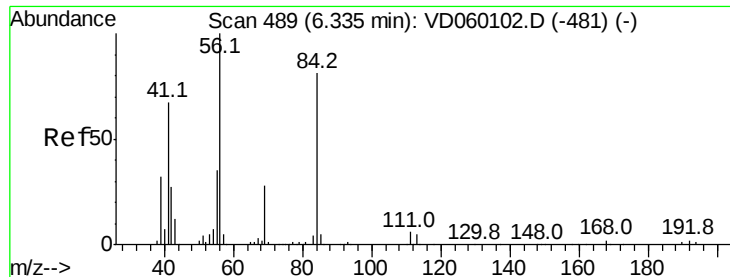
72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

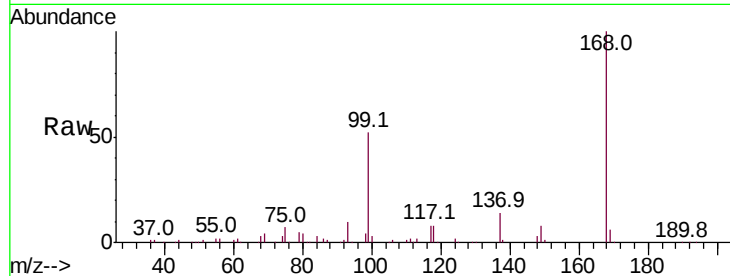




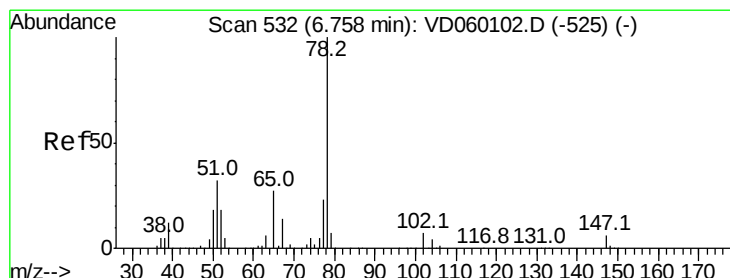
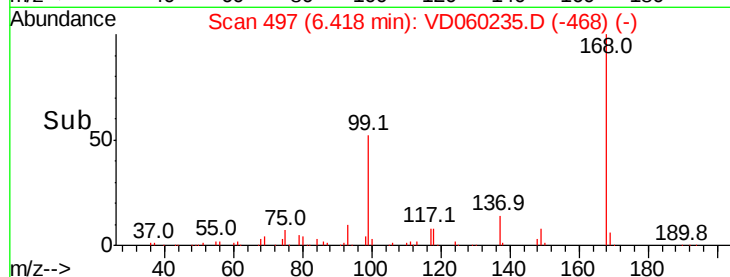
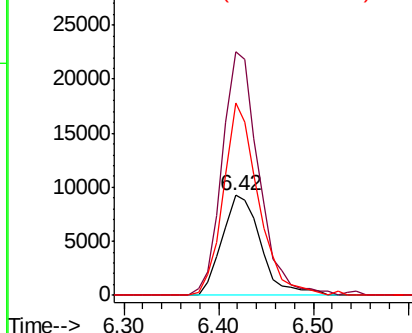
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 6.42 min Scan# 497
Delta R.T. 0.08 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Instrument :
MSVOA_D
ClientSampleId :
TRENCH-02-BASERE

Tot Ion: 56 Resp: 26306
Ion Ratio Lower Upper
56 100
69 243.6 22.8 34.2#
84 193.2 64.9 97.3#

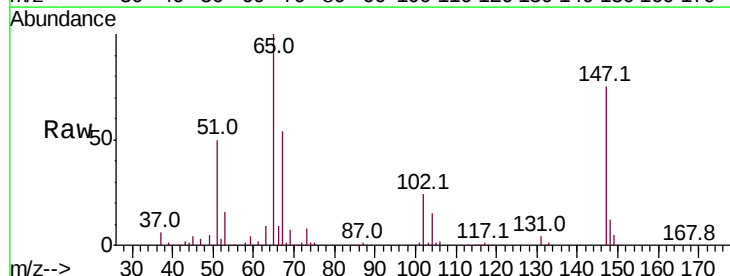


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

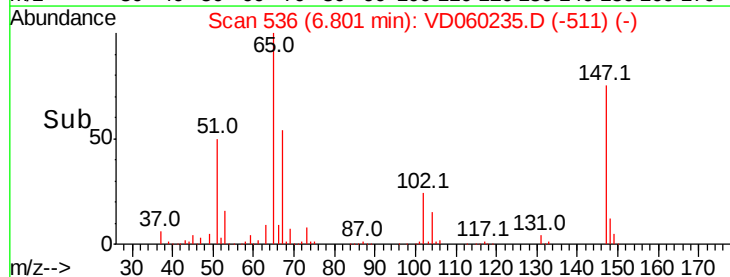
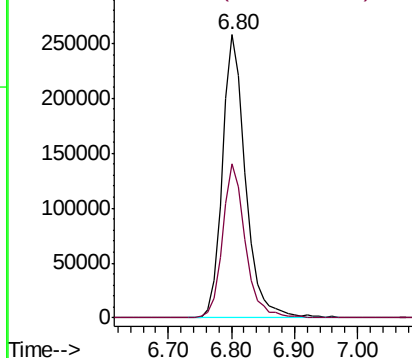


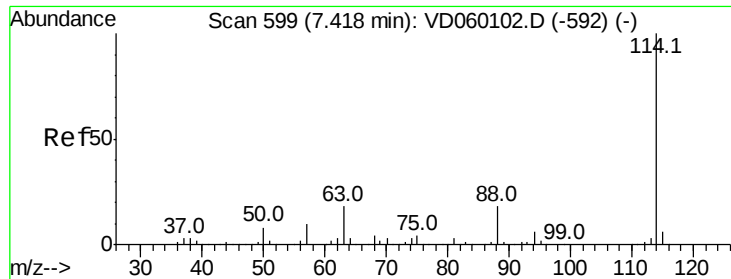
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.04 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Tgt Ion: 65 Resp: 656941
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.2



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



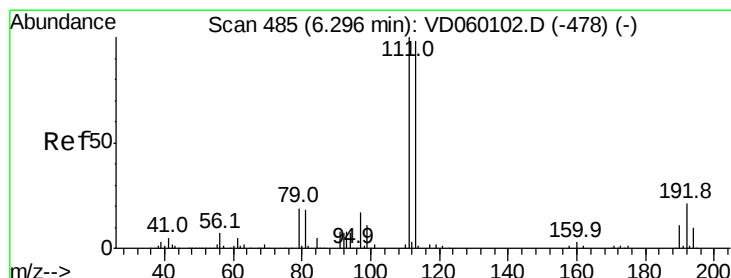
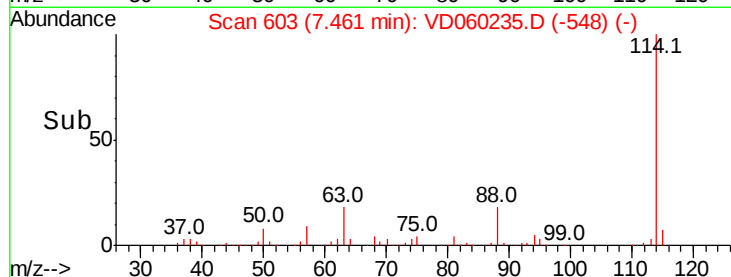
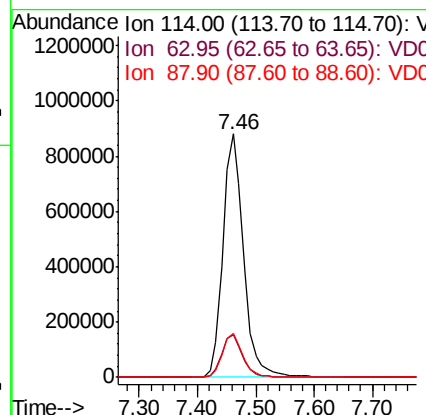
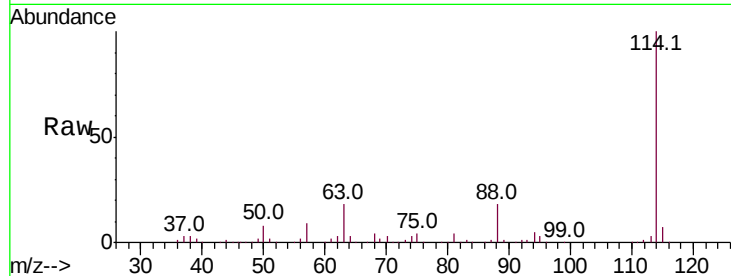


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.04 min
 Lab File: VD060235.D
 Acq: 29 Oct 2018 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TRENCH-02-BASERE

Tot Ion:114 Resp: 2157027

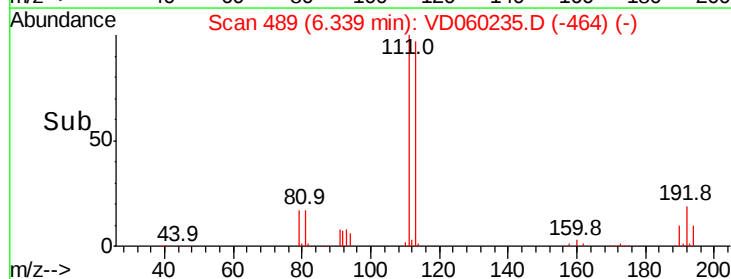
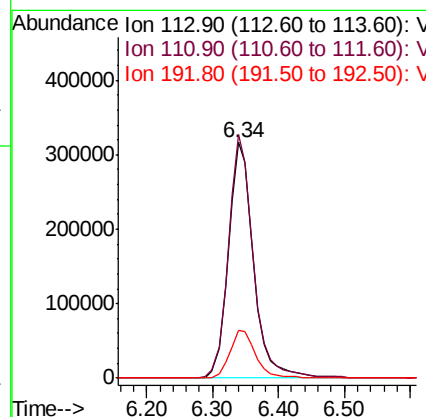
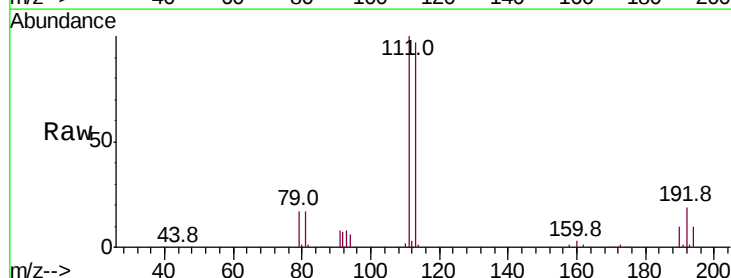
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.0
88	18.0	0.0	36.2

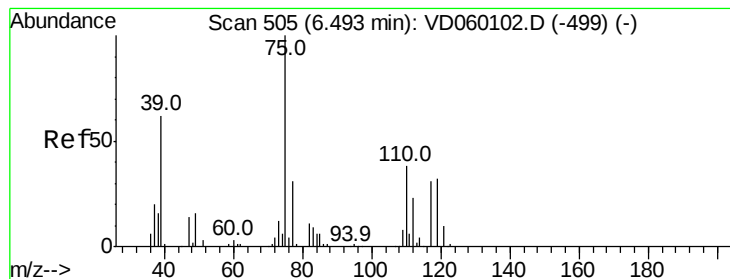


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.04 min
 Lab File: VD060235.D
 Acq: 29 Oct 2018 18:06

Tgt Ion:113 Resp: 844806

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.5	122.3
192	20.1	17.4	26.0





#36

1,1-Dichloropropene

Concen: 4.883 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.07 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-02-BASERE

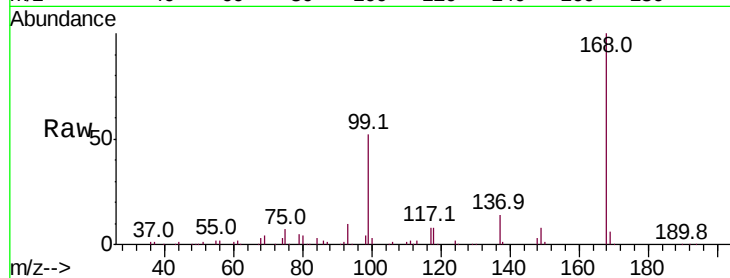
Tot Ion: 75 Resp: 100642

Ion Ratio Lower Upper

75 100

110 7.7 19.0 57.0#

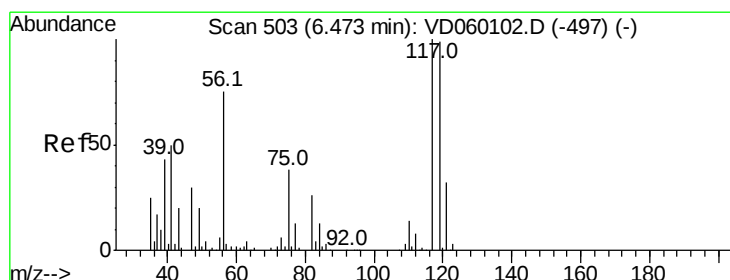
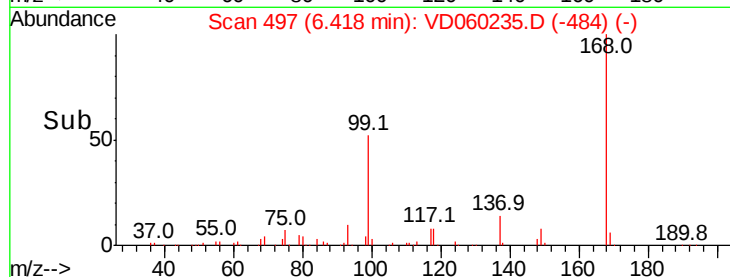
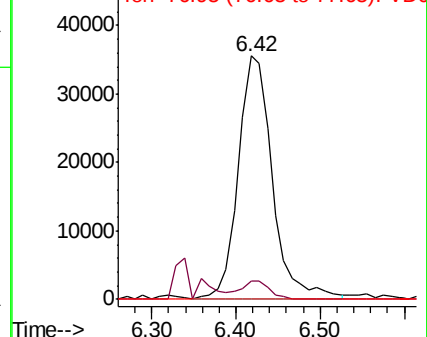
77 0.0 24.9 37.3#



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: 6.251 ug/l

RT: 6.43 min Scan# 498

Delta R.T. -0.05 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

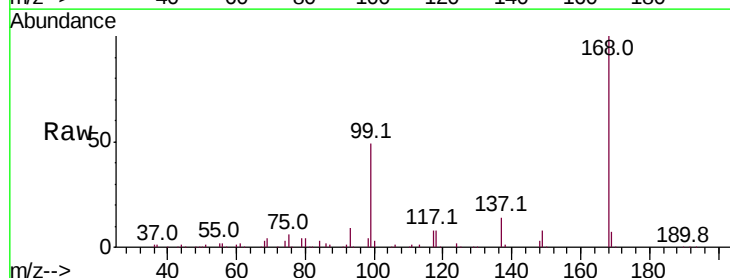
Tgt Ion: 117 Resp: 116940

Ion Ratio Lower Upper

117 100

119 4.5 77.8 116.6#

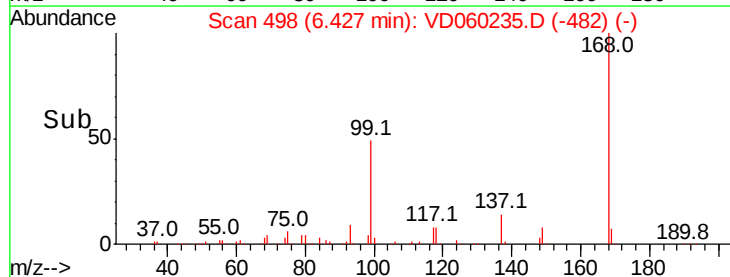
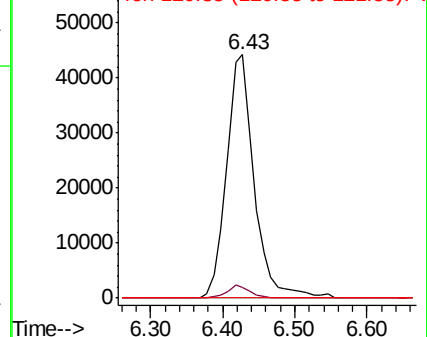
121 0.0 24.8 37.2#

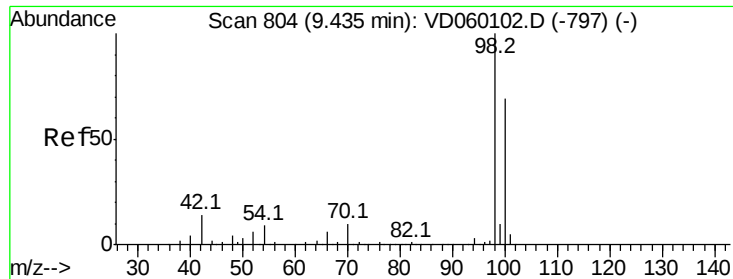


Abundance Ion 116.85 (116.55 to 117.55): V

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. 0.03 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

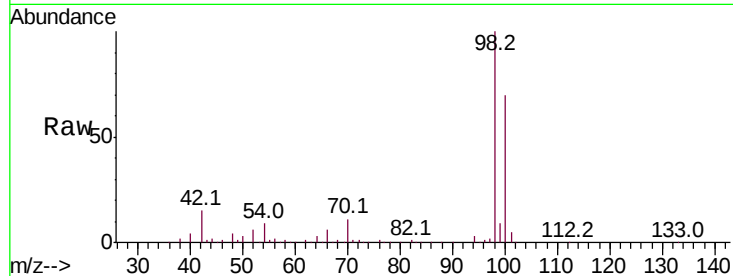
TRENCH-02-BASERE

Tot Ion: 98 Resp: 2115013

Ion Ratio Lower Upper

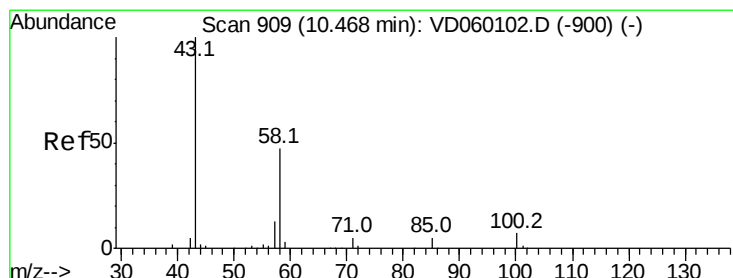
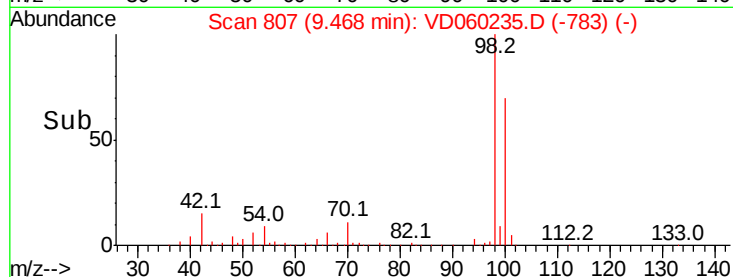
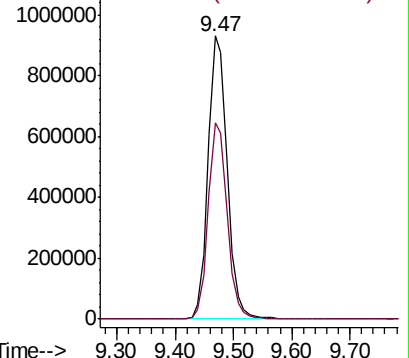
98 100

100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#59

2-Hexanone

Concen: 6.624 ug/l

RT: 10.59 min Scan# 921

Delta R.T. 0.12 min

Lab File: VD060235.D

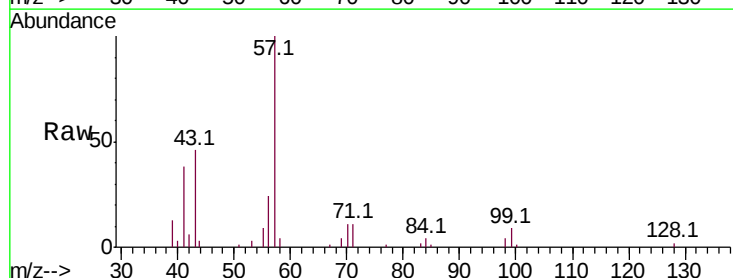
Acq: 29 Oct 2018 18:06

Tgt Ion: 43 Resp: 54078

Ion Ratio Lower Upper

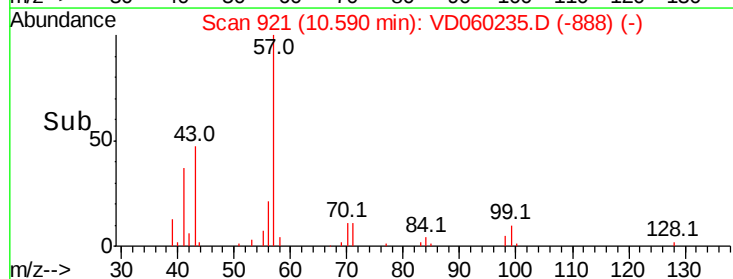
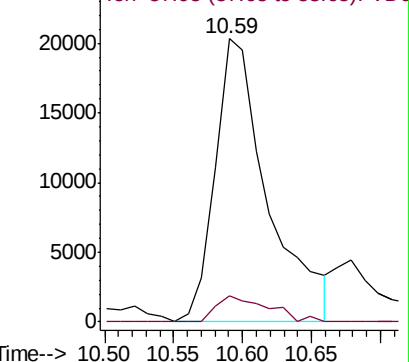
43 100

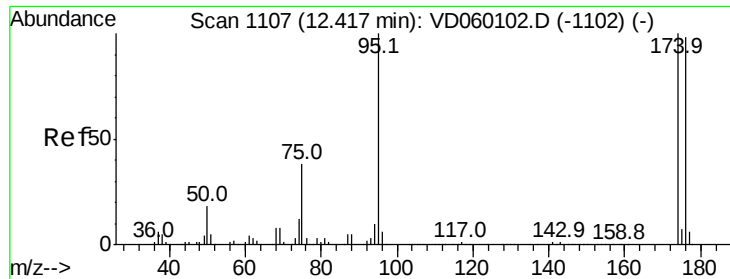
58 9.2 23.3 69.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

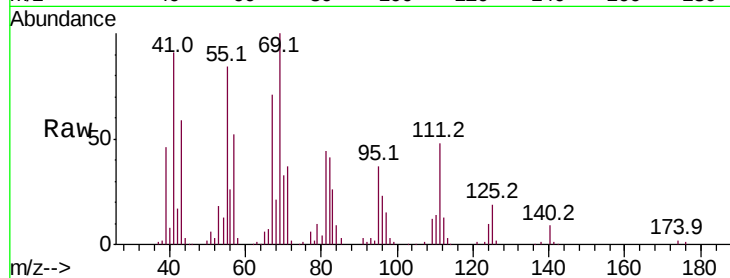




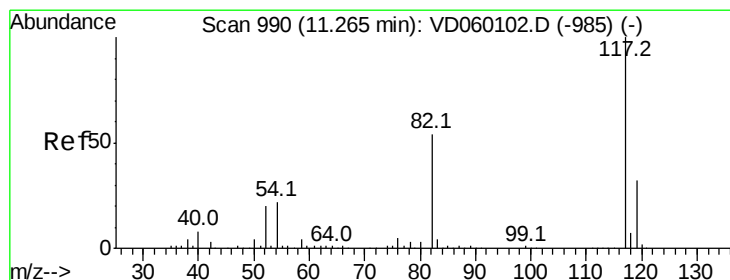
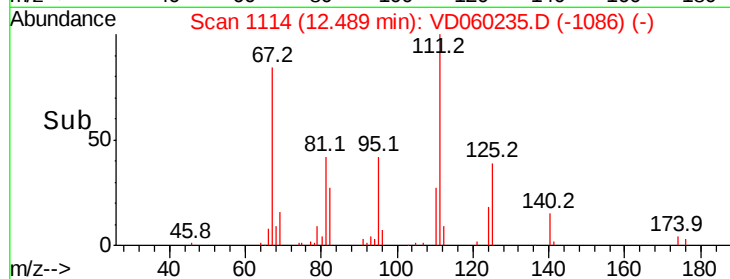
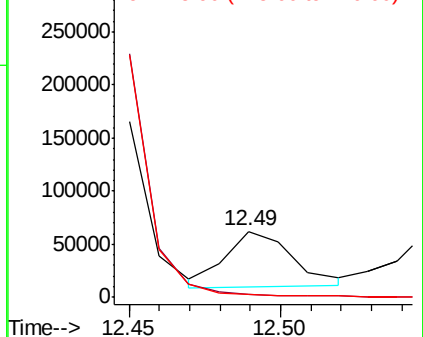
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.49 min Scan# 1114
Delta R.T. 0.07 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Instrument :
MSVOA_D
ClientSampleId :
TRENCH-02-BASERE

Tot Ion: 95 Resp: 81081
Ion Ratio Lower Upper
95 100
174 5.4 0.0 200.2
176 3.9 0.0 195.6

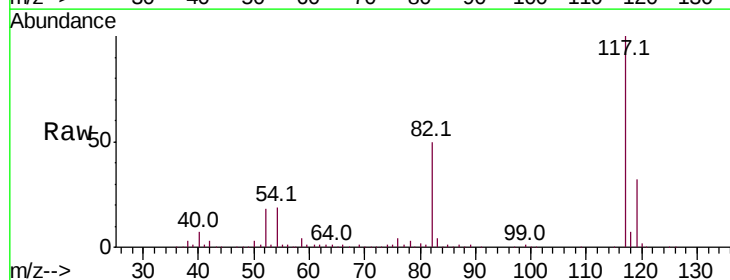


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

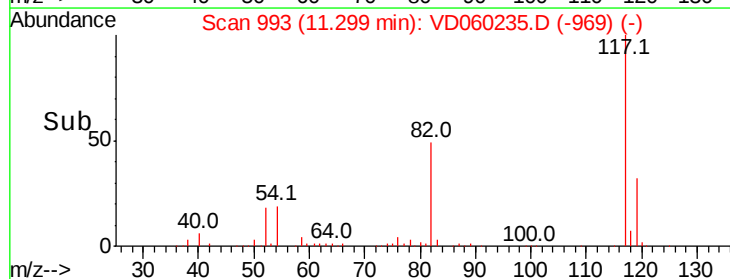
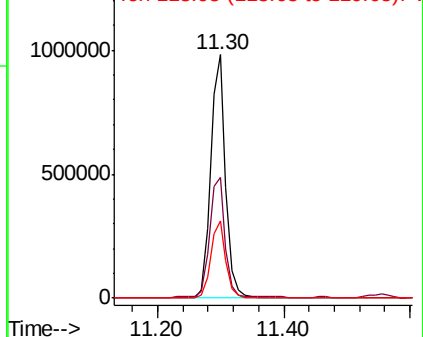


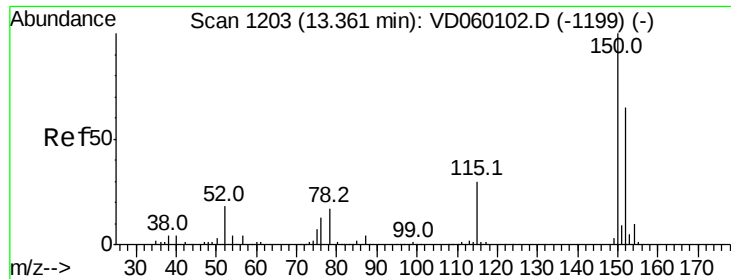
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Tgt Ion: 117 Resp: 1615480
Ion Ratio Lower Upper
117 100
82 49.6 43.4 65.2
119 32.0 26.0 39.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-02-BASERE

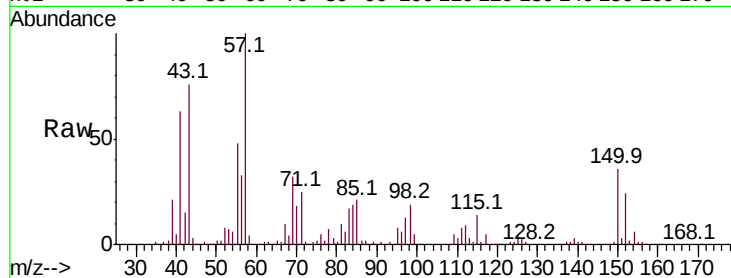
Tot Ion:152 Resp: 535613

Ion Ratio Lower Upper

152 100

115 57.4 27.1 81.2

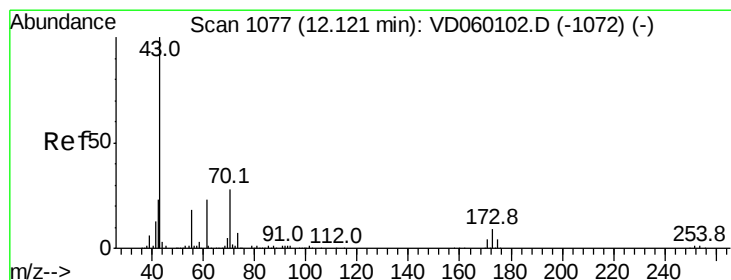
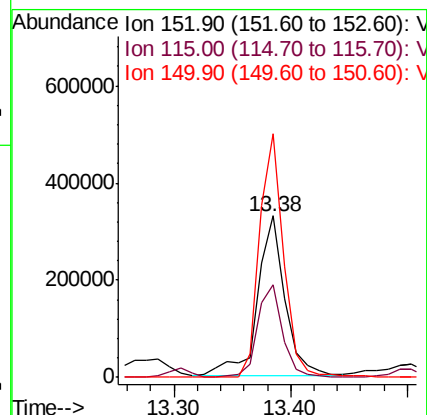
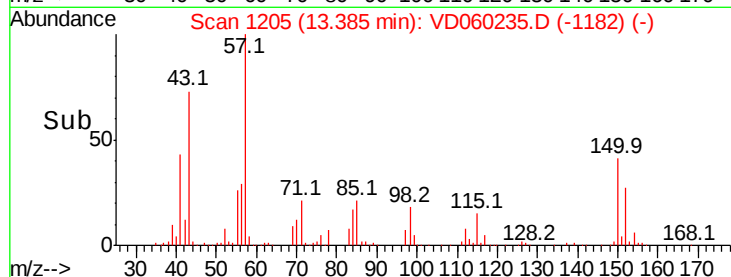
150 151.1 0.0 311.8



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



#74

N-amil acetate

Concen: 47.527 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Tgt Ion: 43 Resp: 615150

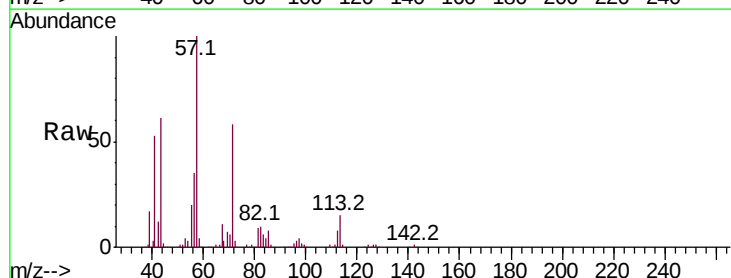
Ion Ratio Lower Upper

43 100

70 10.5 22.1 33.1#

55 33.2 14.1 21.1#

61 0.0 18.4 27.6#

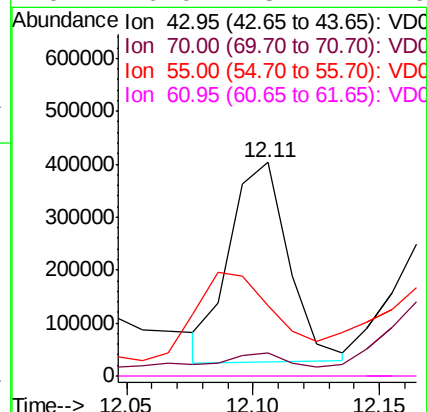
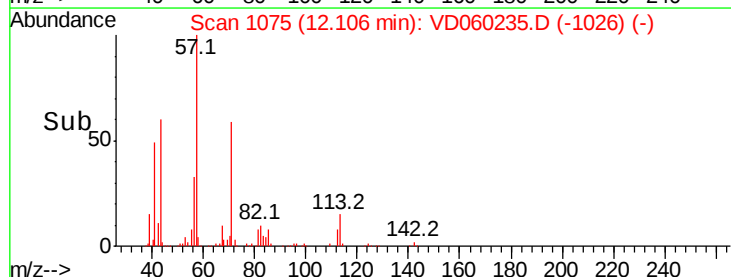


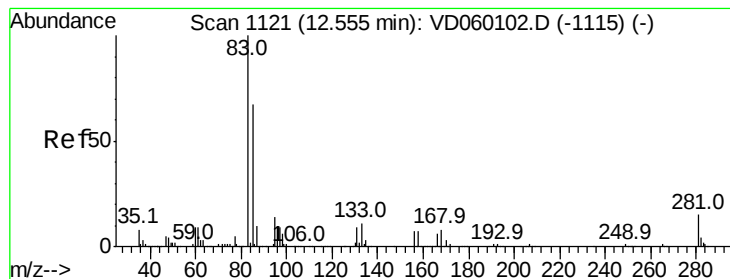
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 59.679 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.04 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-02-BASERE

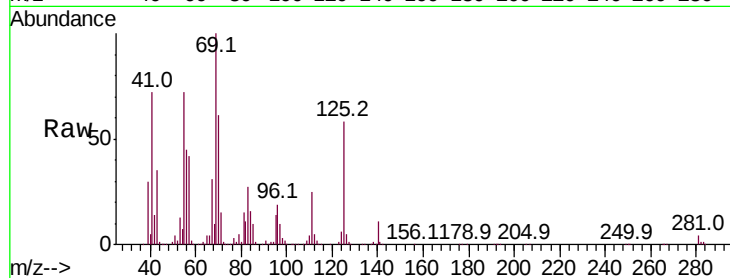
Tot Ion: 83 Resp: 460379

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

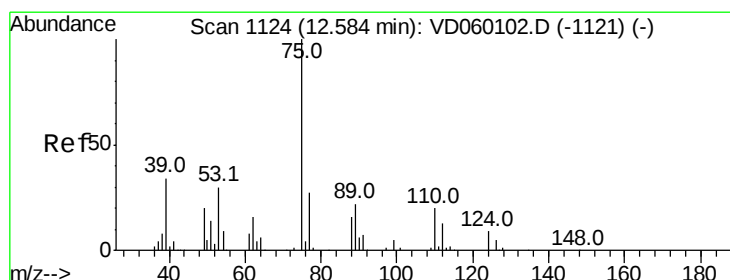
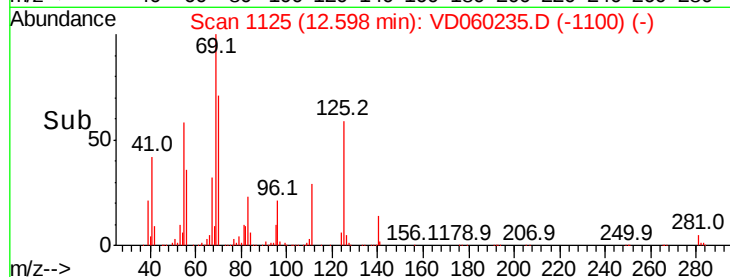
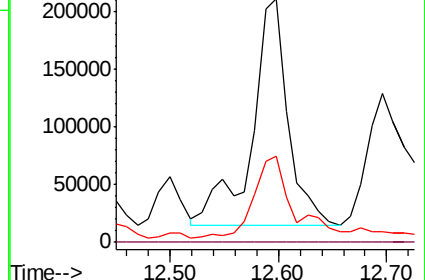
85 35.5 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 34.145 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.14 min

Lab File: VD060235.D

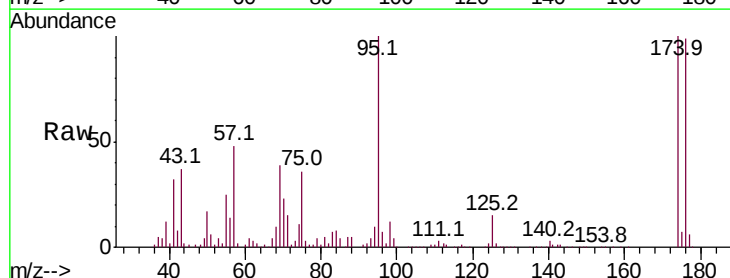
Acq: 29 Oct 2018 18:06

Tgt Ion: 75 Resp: 263375

Ion Ratio Lower Upper

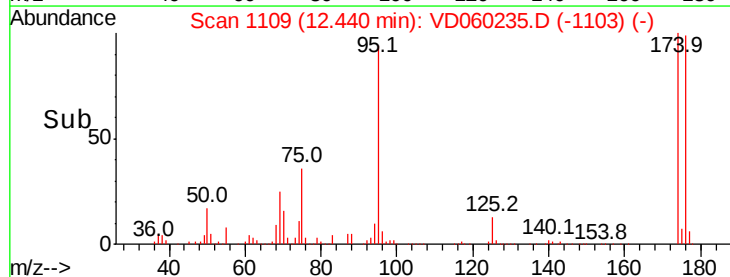
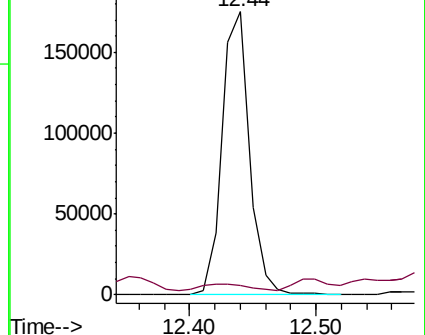
75 100

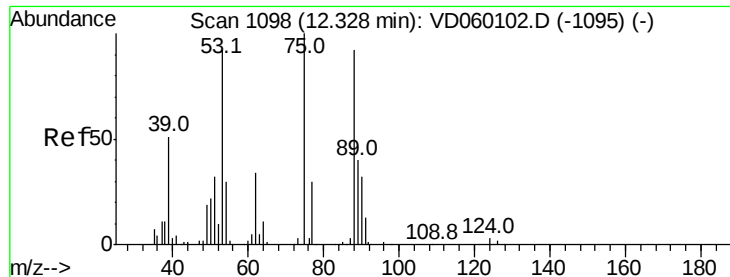
77 3.5 16.3 48.9#



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: 120.966 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-02-BASERE

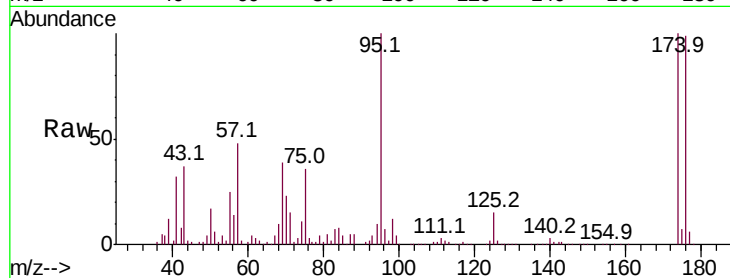
Tot Ion: 75 Resp: 262181

Ion Ratio Lower Upper

75 100

53 11.0 73.0 109.6#

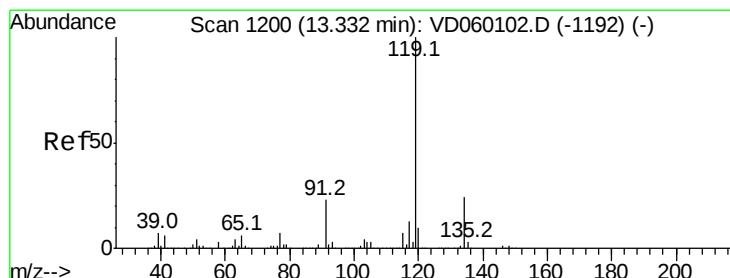
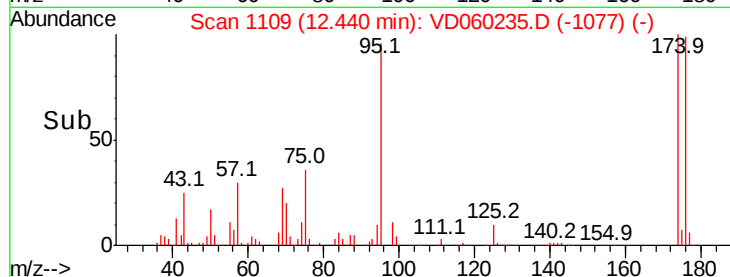
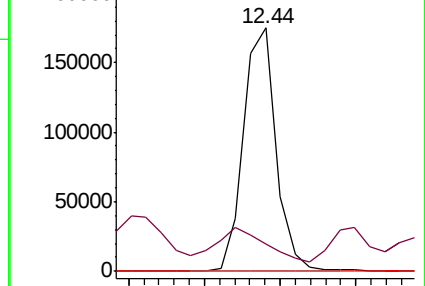
89 0.0 32.0 48.0#



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



#86

p-Isopropyltoluene

Concen: 11.716 ug/l

RT: 13.31 min Scan# 1197

Delta R.T. -0.03 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

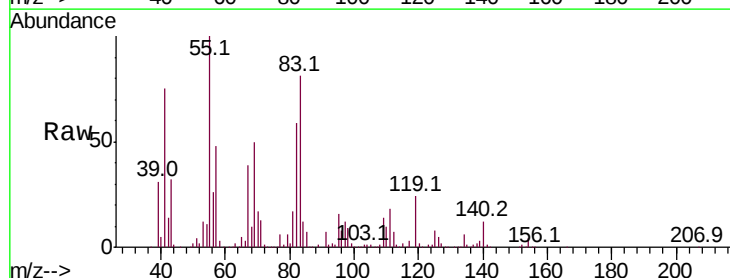
Tgt Ion: 119 Resp: 356587

Ion Ratio Lower Upper

119 100

134 25.2 12.3 36.8

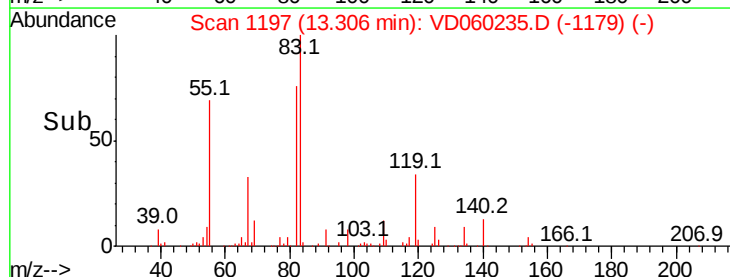
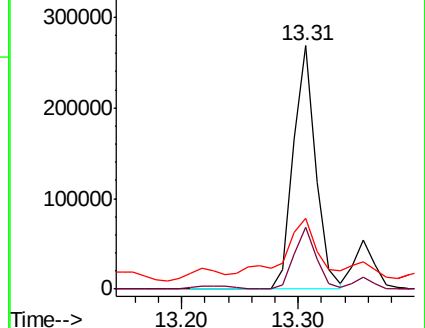
91 29.1 11.8 35.4

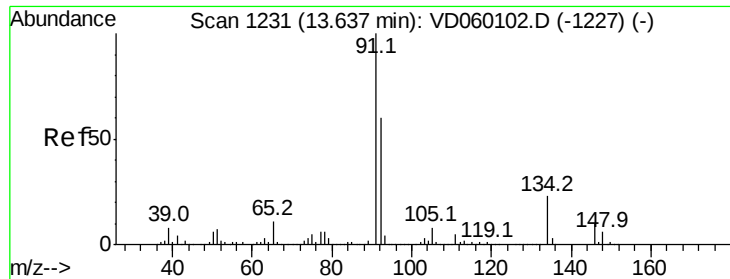


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): VDC

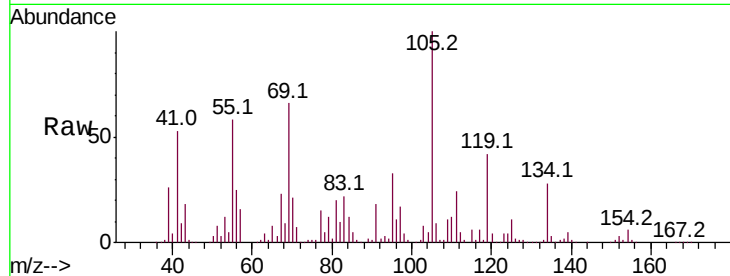




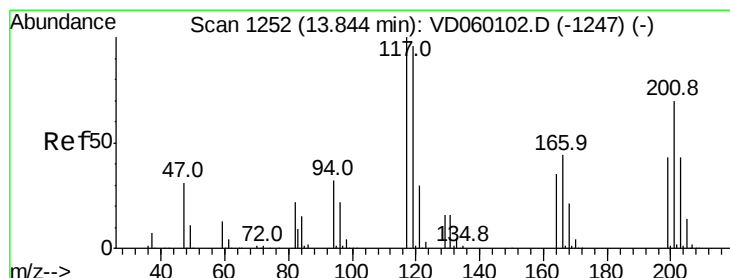
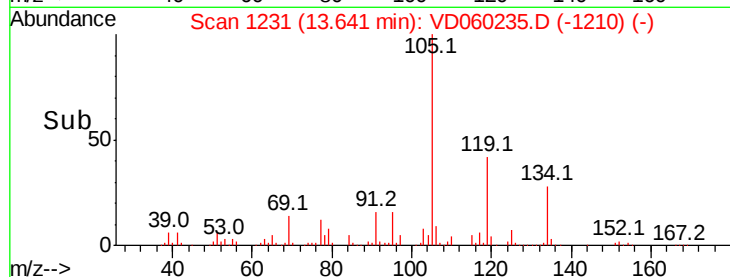
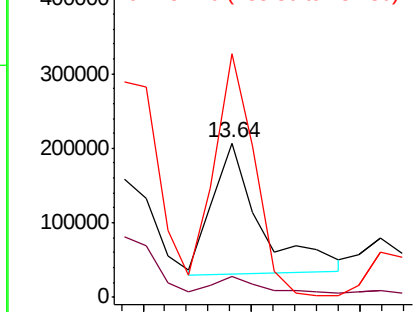
#89
n-Butylbenzene
Concen: 9.278 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Instrument :
MSVOA_D
ClientSampleId :
TRENCH-02-BASERE

Tot Ion: 91 Resp: 275541
Ion Ratio Lower Upper
91 100
92 13.9 30.1 90.3#
134 157.7 11.6 34.7#

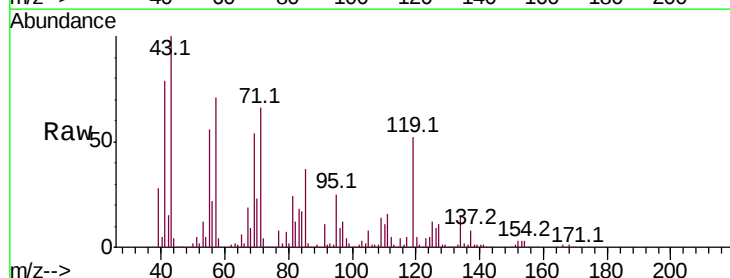


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

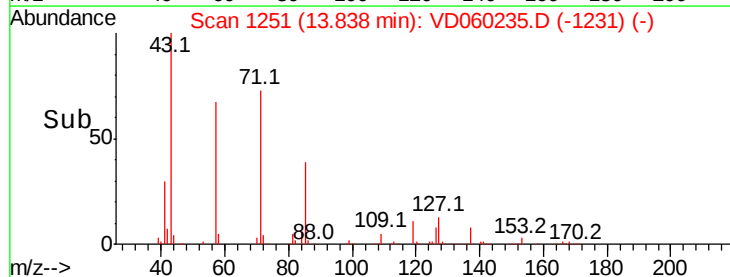
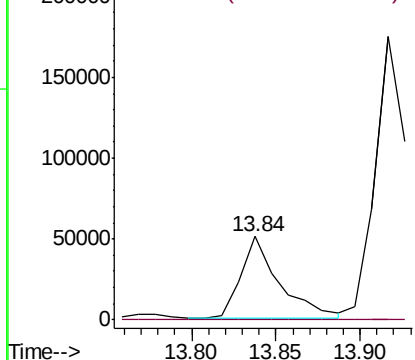


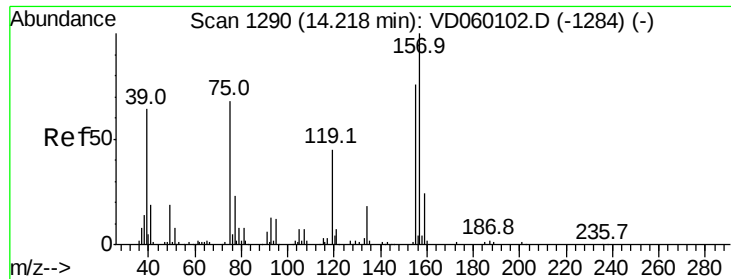
#90
Hexachloroethane
Concen: 11.240 ug/l
RT: 13.84 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VD060235.D
Acq: 29 Oct 2018 18:06

Tgt Ion: 117 Resp: 79170
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.5#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 32.782 ug/l

RT: 14.24 min Scan# 1292

Delta R.T. 0.02 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

Instrument :

MSVOA_D

ClientSampleId :

TRENCH-02-BASERE

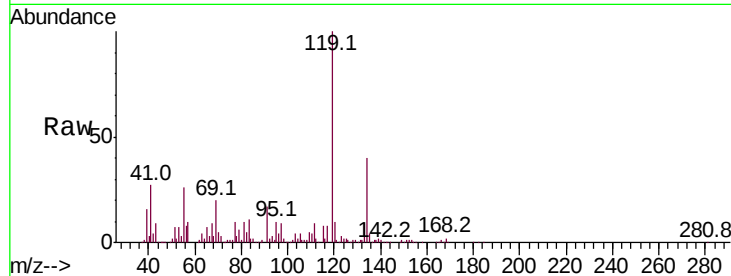
Tot Ion: 75 Resp: 33766

Ion Ratio Lower Upper

75 100

155 11.9 55.9 167.7#

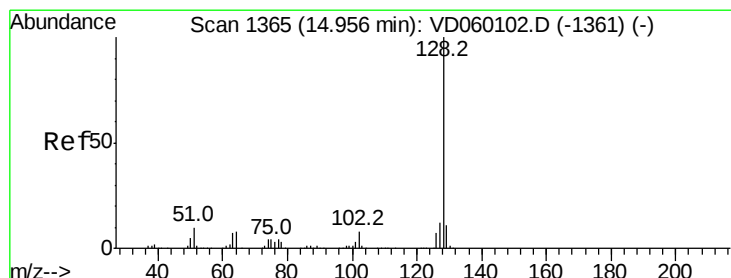
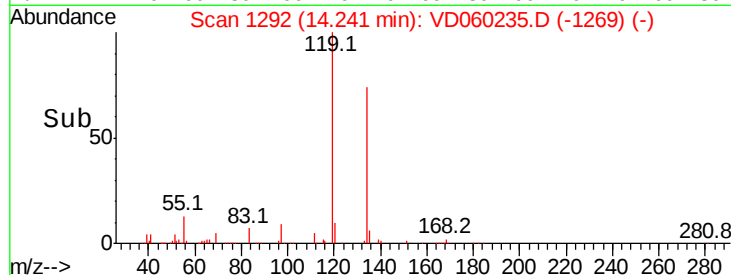
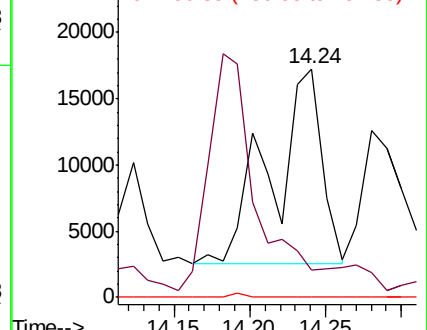
157 0.0 73.3 219.8#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 2.639 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD060235.D

Acq: 29 Oct 2018 18:06

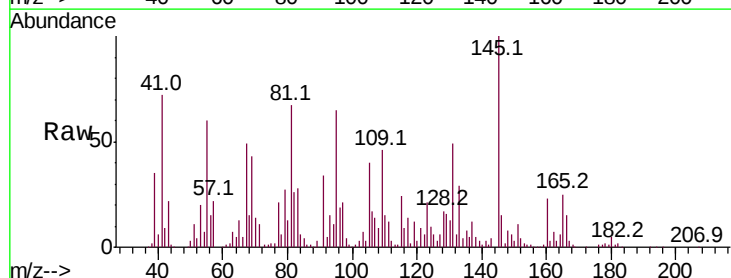
Tgt Ion:128 Resp: 49947

Ion Ratio Lower Upper

128 100

127 33.4 9.9 14.9#

129 91.9 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

