

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102918\
 Data File : VX005665.D
 Acq On : 29 Oct 2018 17:24
 Operator : JC/MD
 Sample : J5703-02
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRENCH-02-BASE

Quant Time: Oct 30 02:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170890	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138405	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	5.51	113	104631	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	381266	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.14	95	139881	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

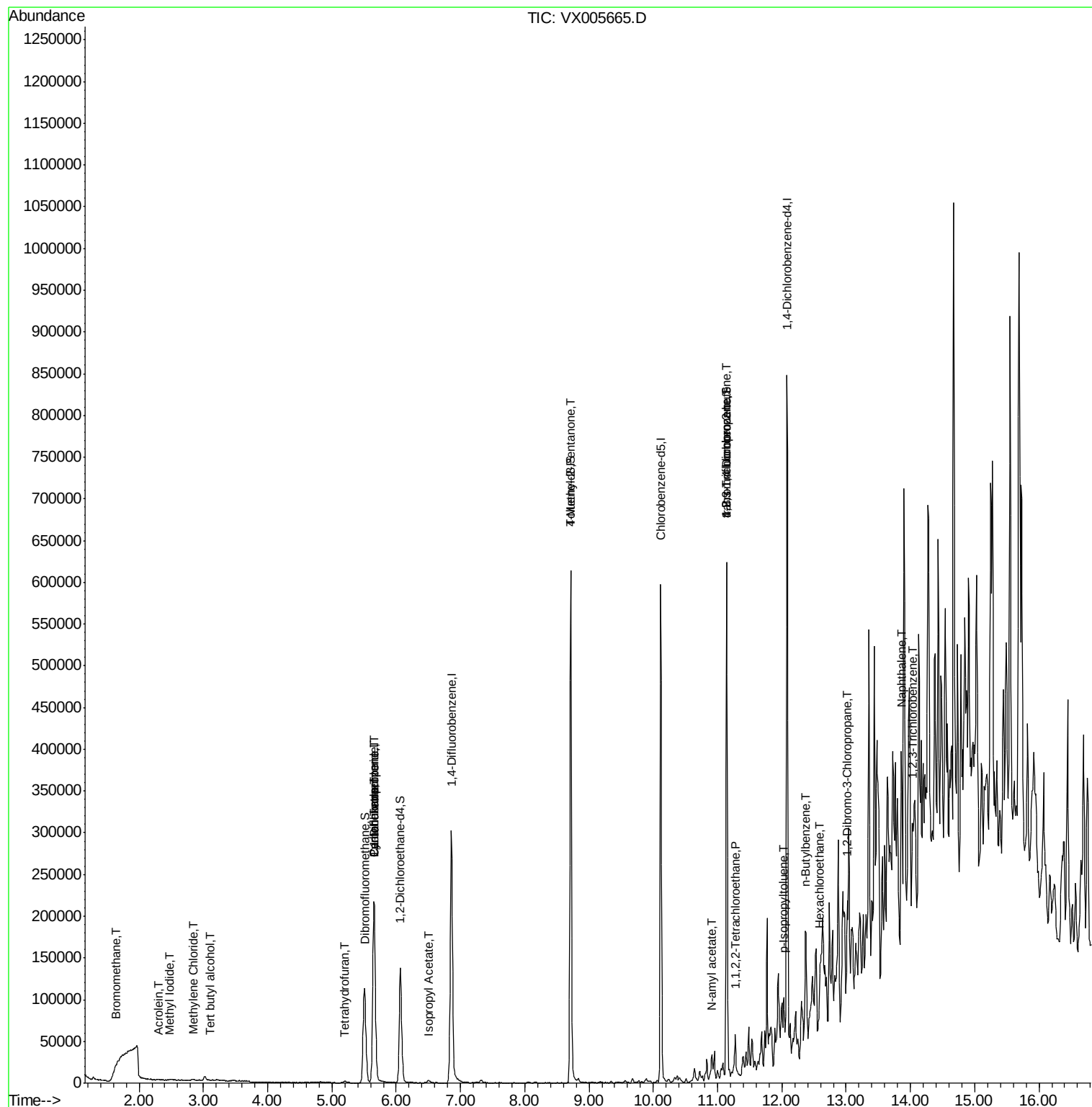
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1216	0.715	ug/l	86
10) Methyl Iodide	2.48	142	387	2.886	ug/l #	75
11) Tert butyl alcohol	3.11	59	198	0.273	ug/l	100
13) Acrolein	2.29	56	109	0.294	ug/l #	14
18) Methyl Acetate	2.76	43	72	Below Cal	#	55
20) Methylene Chloride	2.84	84	603	0.252	ug/l #	78
29) Tetrahydrofuran	5.20	42	1697	1.201	ug/l #	89
31) Cyclohexane	5.65	56	4260	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15550	5.117	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19921	6.224	ug/l #	17
43) Isopropyl Acetate	6.50	43	1392	0.240	ug/l #	63
51) 4-Methyl-2-Pentanone	8.71	43	2156	0.552	ug/l #	1
74) N-amyl acetate	10.90	43	4423	0.855	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	3388	0.879	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	70698	19.526	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	70698	63.801	ug/l #	10
86) p-Isopropyltoluene	12.03	119	3273	0.344	ug/l	89
89) n-Butylbenzene	12.37	91	3794	0.442	ug/l #	28
90) Hexachloroethane	12.58	117	1208	0.737	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	13.02	75	641	0.688	ug/l #	14
95) Naphthalene	13.85	128	2935	0.251	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.04	180	2764	0.679	ug/l #	1

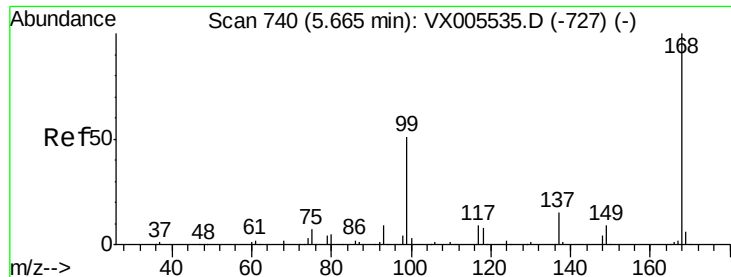
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102918\
Data File : VX005665.D
Acq On : 29 Oct 2018 17:24
Operator : JC/MD
Sample : J5703-02
Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

Quant Time: Oct 30 02:00:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

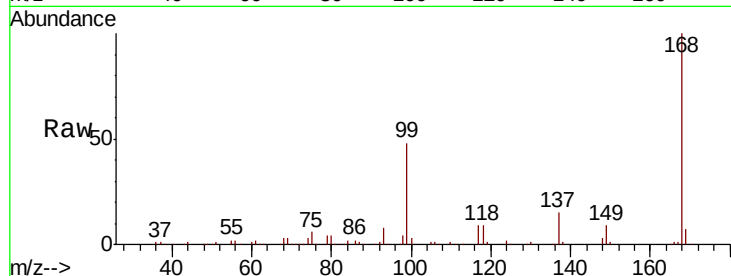
TRENCH-02-BASE

Tot Ion:168 Resp: 221072

Ion Ratio Lower Upper

168 100

99 47.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

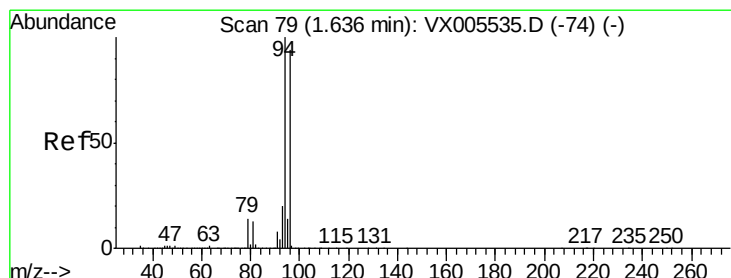
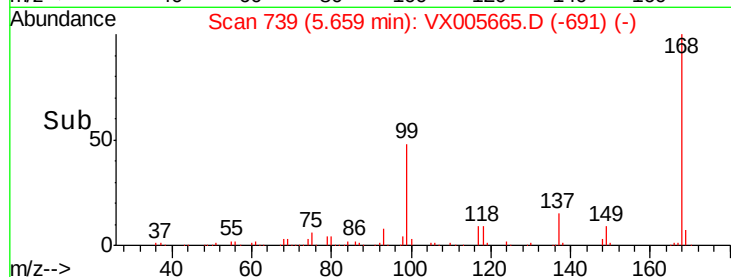
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.715 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005665.D

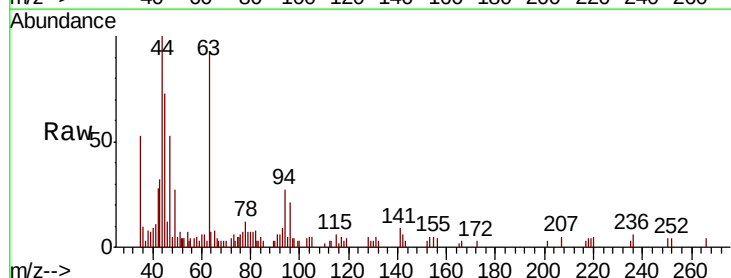
Acq: 29 Oct 2018 17:24

Tgt Ion: 94 Resp: 1216

Ion Ratio Lower Upper

94 100

96 80.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

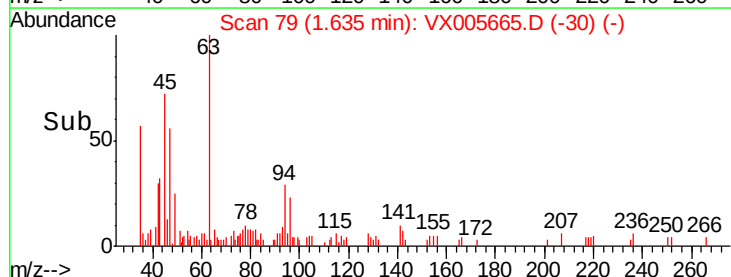
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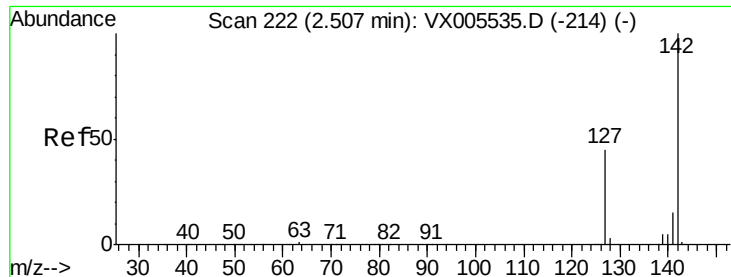
200

0

Time-->

1.55 1.60 1.65 1.70

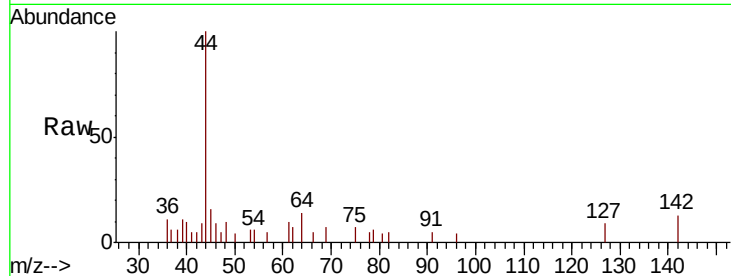




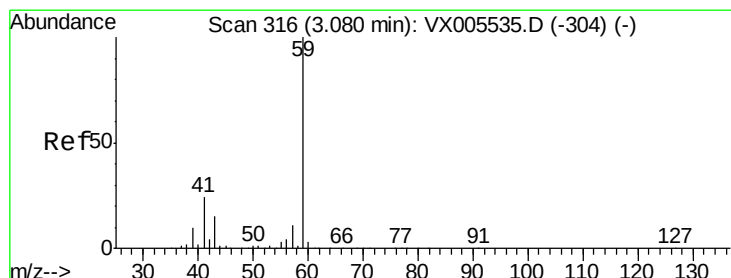
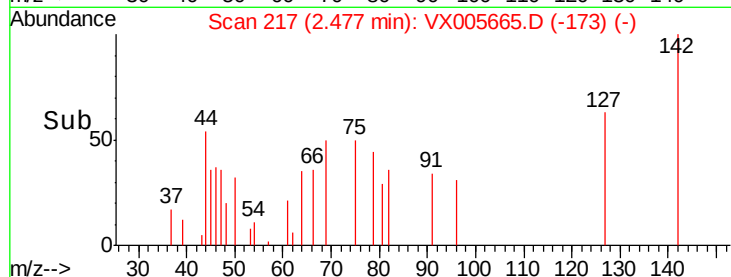
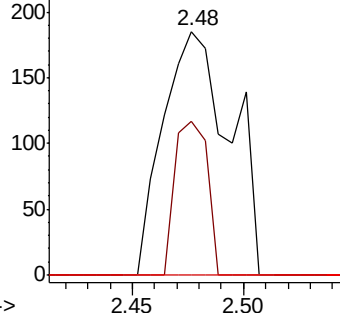
#10
Methyl Iodide
Concen: 2.886 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.03 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

Tot Ion:142 Resp: 387
Ion Ratio Lower Upper
142 100
127 31.0 36.0 54.0#
141 0.0 11.7 17.5#

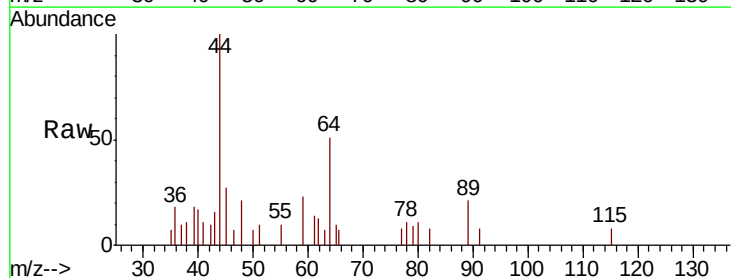


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

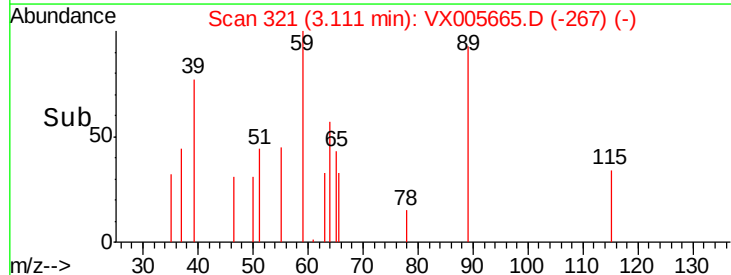
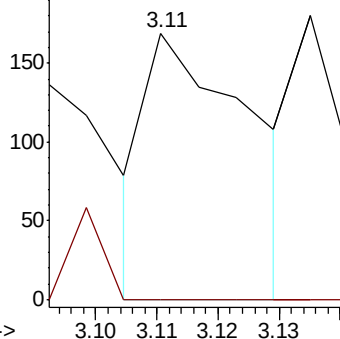


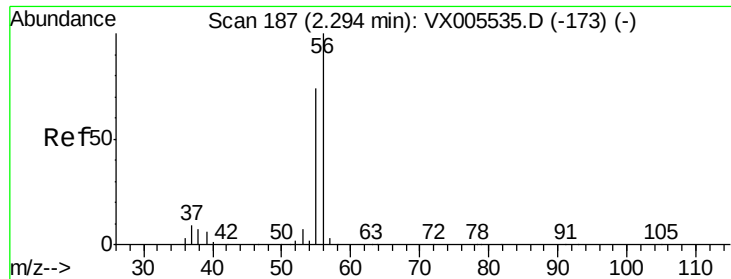
#11
Tert butyl alcohol
Concen: 0.273 ug/l
RT: 3.11 min Scan# 321
Delta R.T. 0.03 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

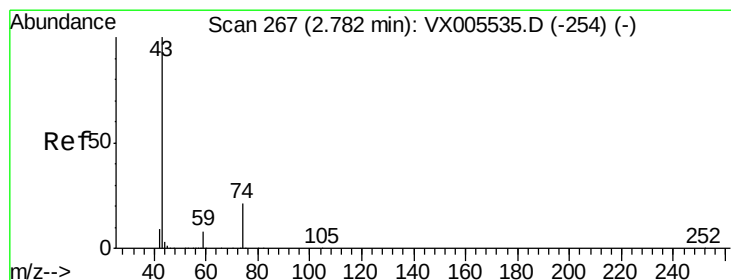
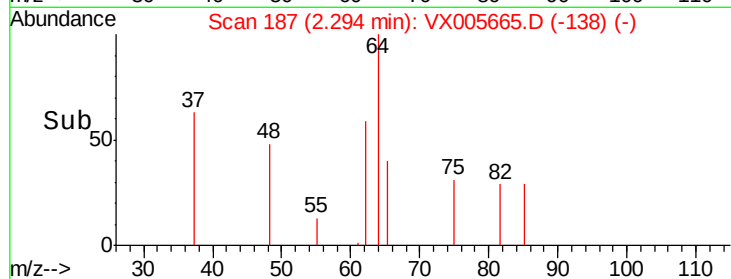
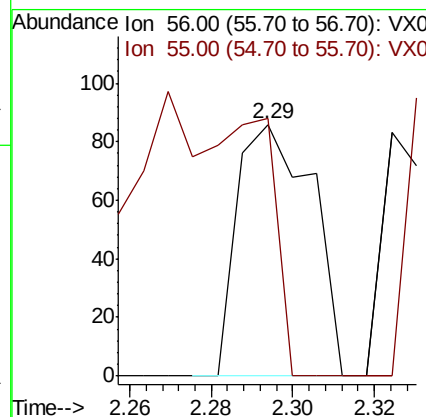
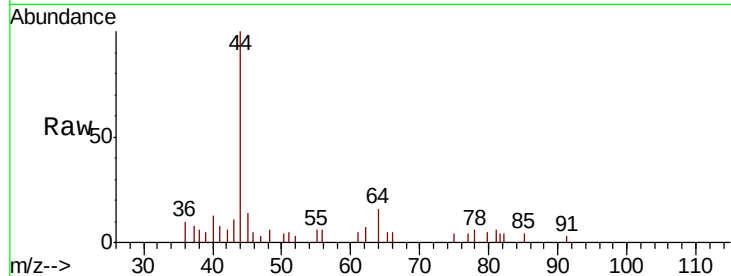




#13
Acrolein
Concen: 0.294 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

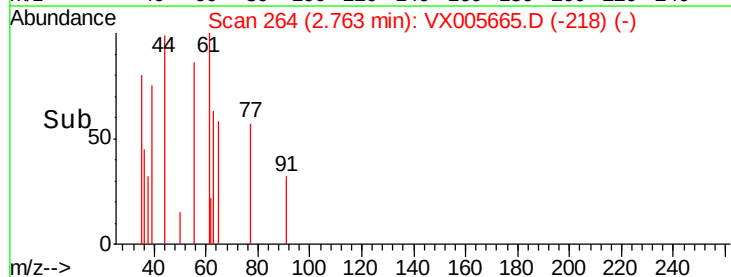
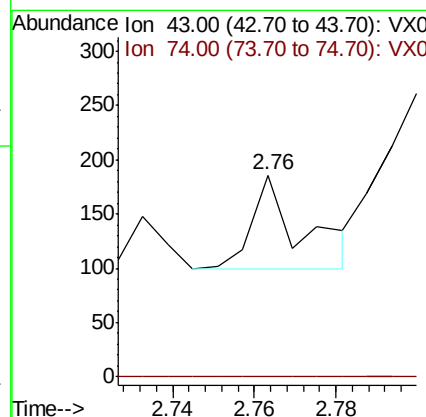
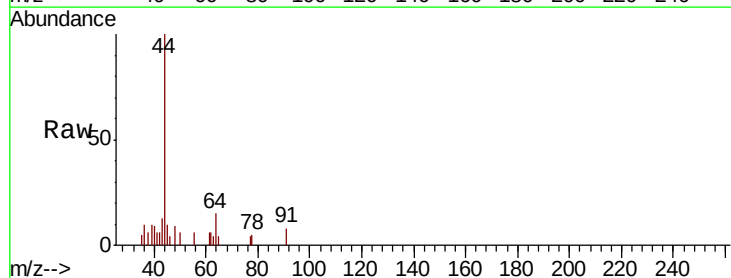
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

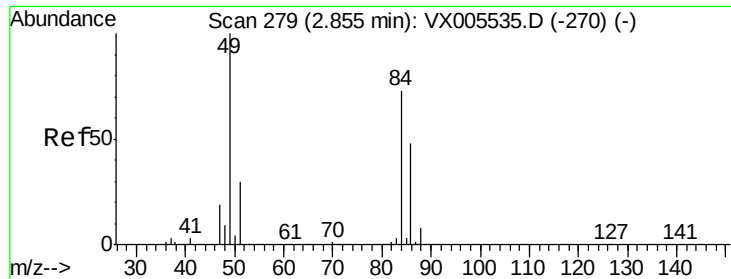
Tot Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.76 min Scan# 264
Delta R.T. -0.02 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

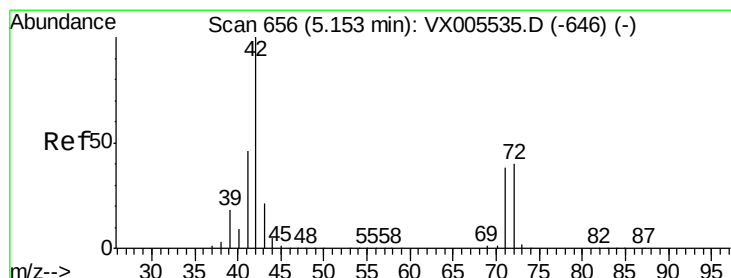
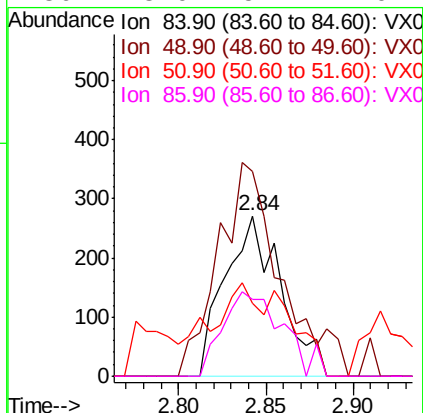
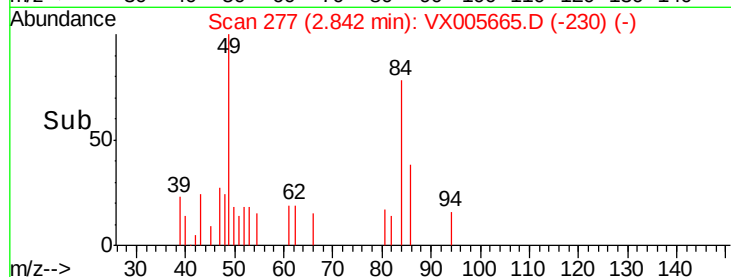
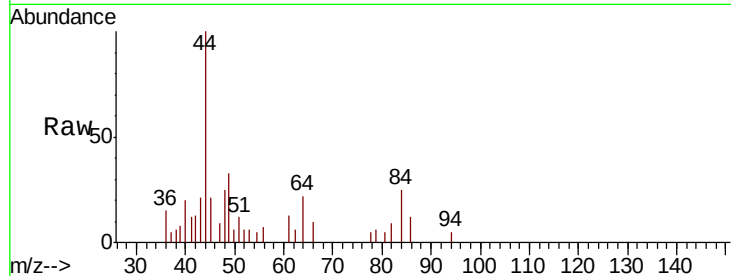




#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

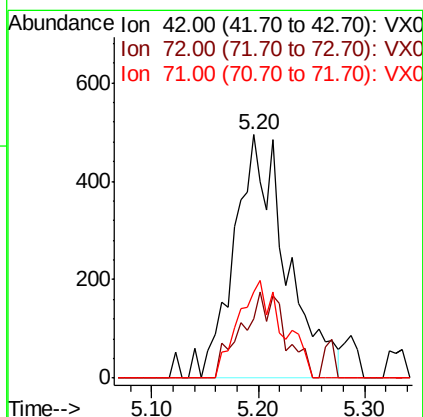
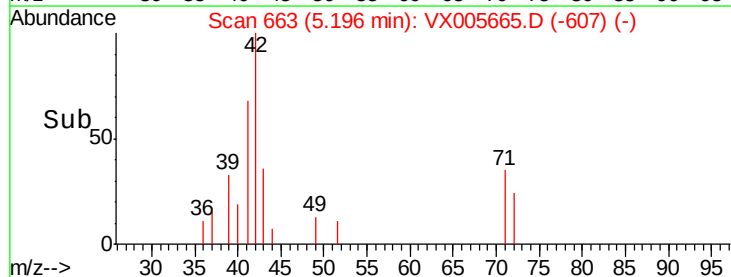
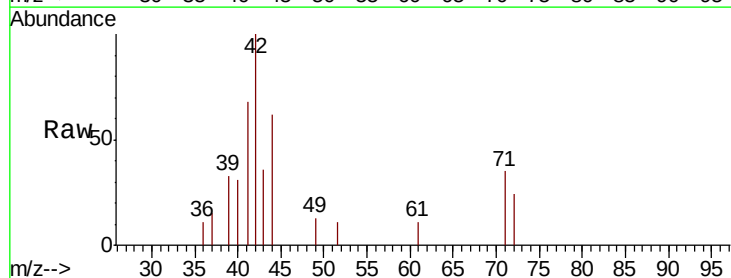
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

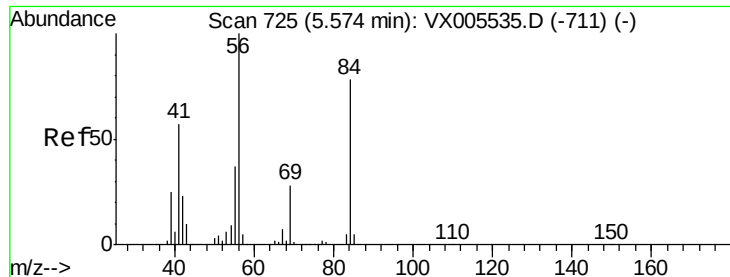
Tot Ion:	84	Resp:	603
Ion	Ratio	Lower	Upper
84	100		
49	105.5	109.5	164.3#
51	45.4	33.3	49.9
86	48.0	52.7	79.1#



#29
Tetrahydrofuran
Concen: 1.201 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion:	42	Resp:	1697
Ion	Ratio	Lower	Upper
42	100		
72	29.9	32.0	48.0#
71	34.0	29.8	44.8

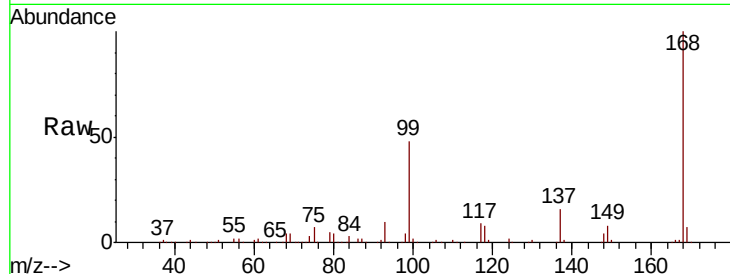




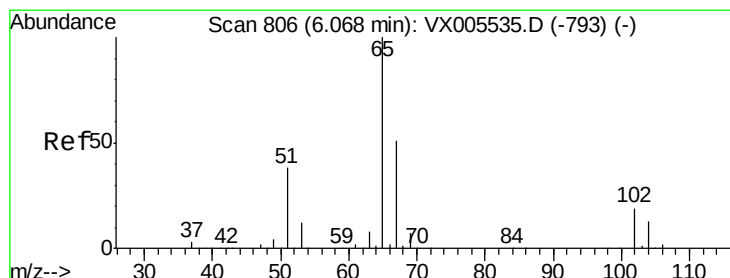
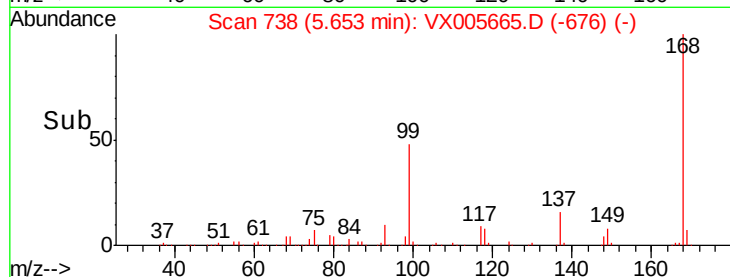
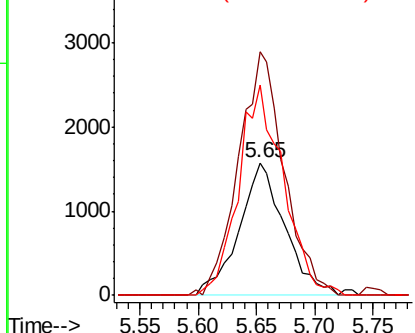
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

Tot Ion: 56 Resp: 4260
Ion Ratio Lower Upper
56 100
69 183.6 22.6 34.0#
84 158.1 62.7 94.1#

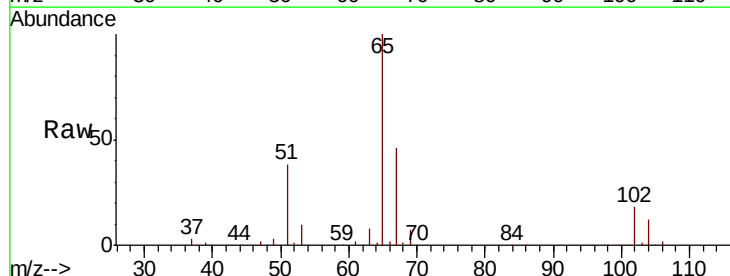


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

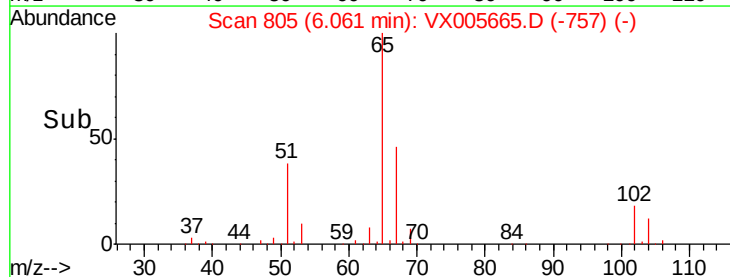
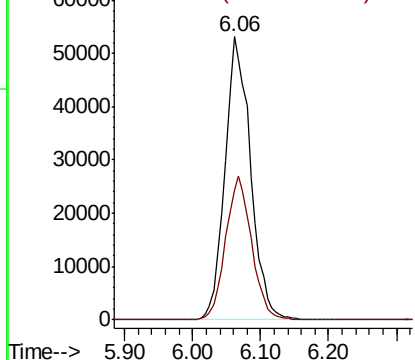


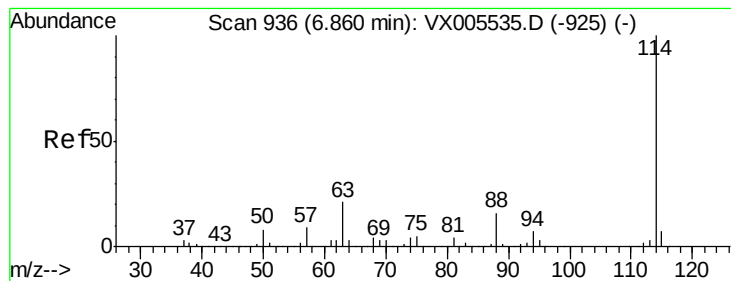
#33
1,2-Dichloroethane-d4
Concen: 51.288 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 65 Resp: 138405
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-02-BASE

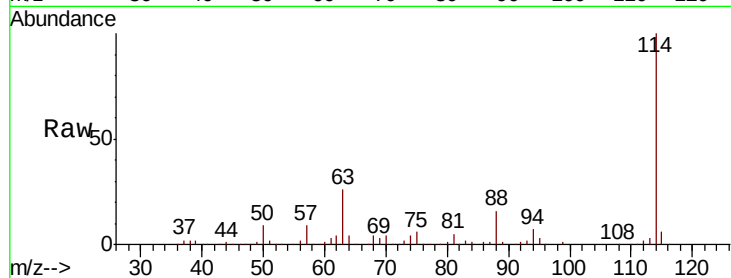
Tot Ion:114 Resp: 313148

Ion Ratio Lower Upper

114 100

63 26.3 0.0 42.8

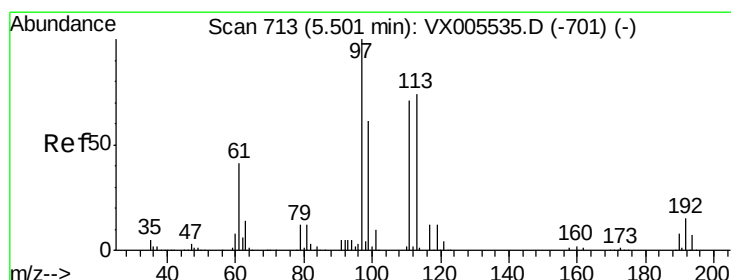
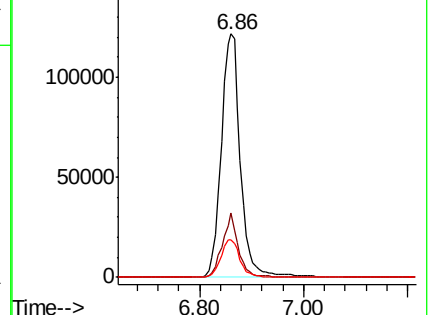
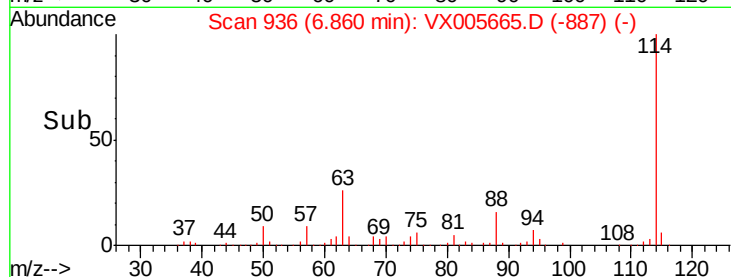
88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.346 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

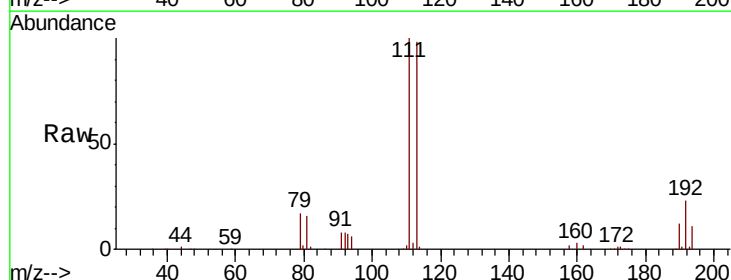
Tgt Ion:113 Resp: 104631

Ion Ratio Lower Upper

113 100

111 100.2 82.3 123.5

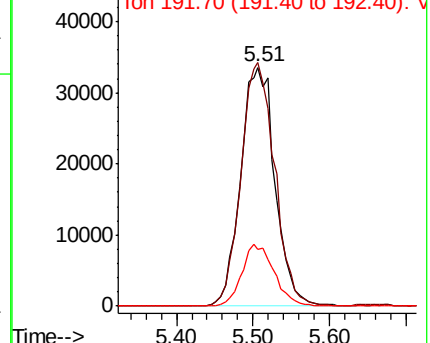
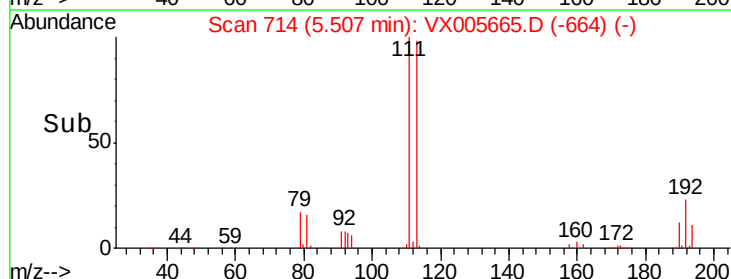
192 24.2 17.9 26.9

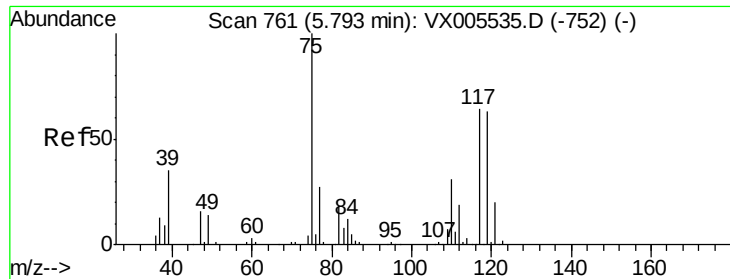


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

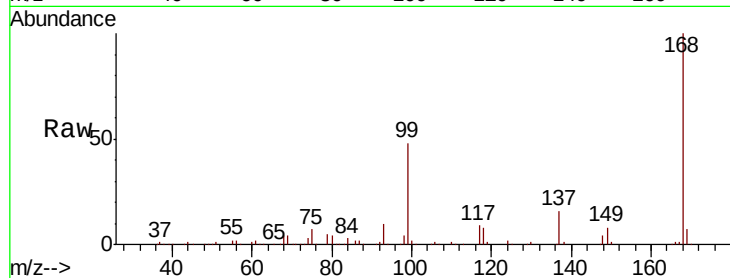




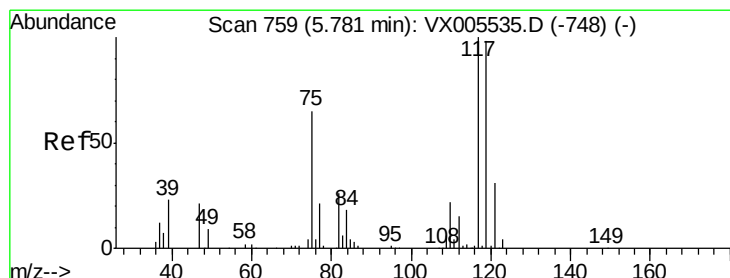
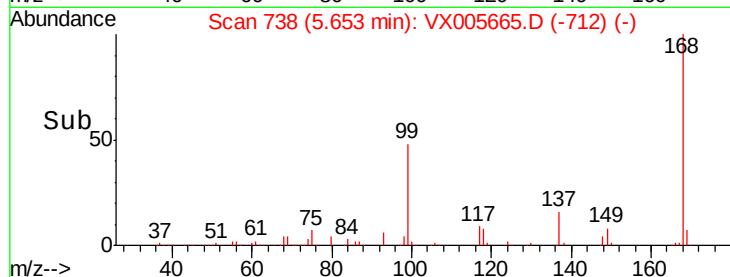
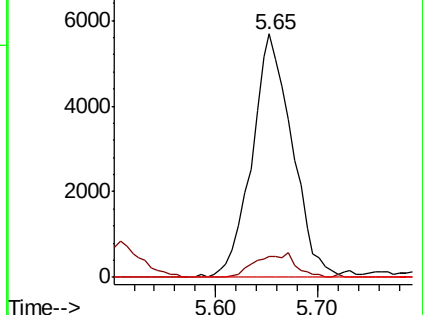
#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX005665.D
 Acq: 29 Oct 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TRENCH-02-BASE

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.4	52.2#
77	0.0	25.8	38.6#

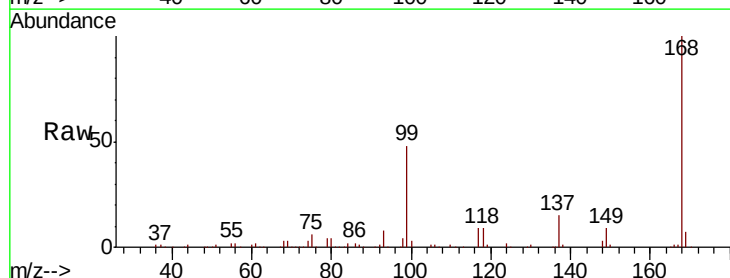


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

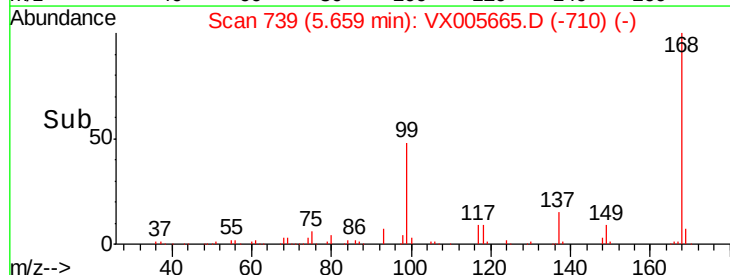
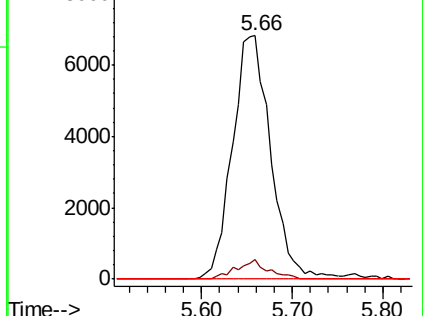


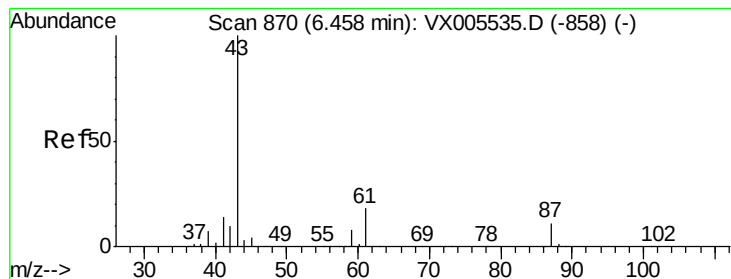
#38
 Carbon Tetrachloride
 Concen: 6.224 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005665.D
 Acq: 29 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.9	78.1	117.1#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.240 ug/l

RT: 6.50 min Scan# 877

Delta R.T. 0.04 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-02-BASE

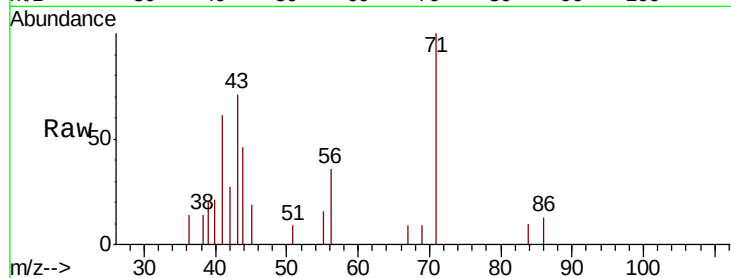
Tot Ion: 43 Resp: 1392

Ion Ratio Lower Upper

43 100

61 0.0 14.6 22.0#

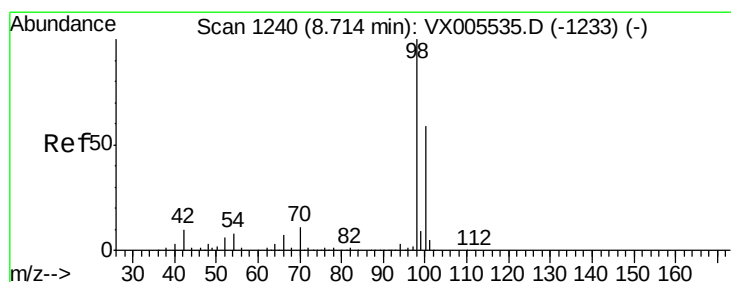
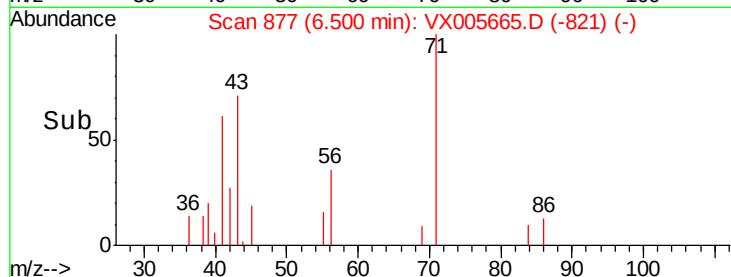
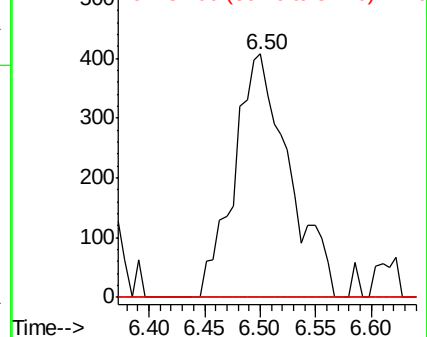
87 0.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.042 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005665.D

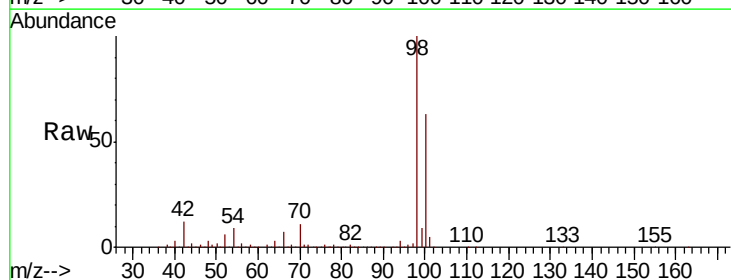
Acq: 29 Oct 2018 17:24

Tgt Ion: 98 Resp: 381266

Ion Ratio Lower Upper

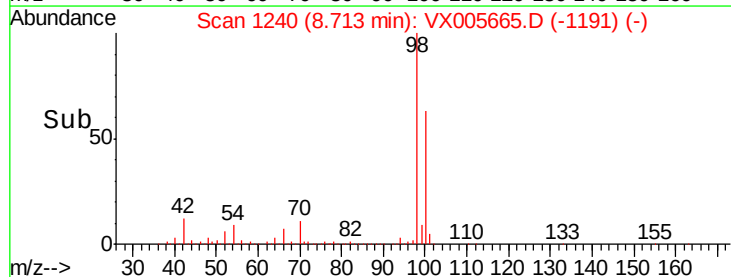
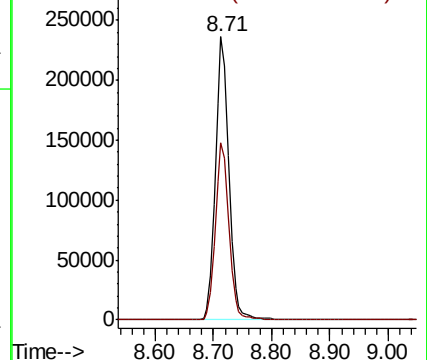
98 100

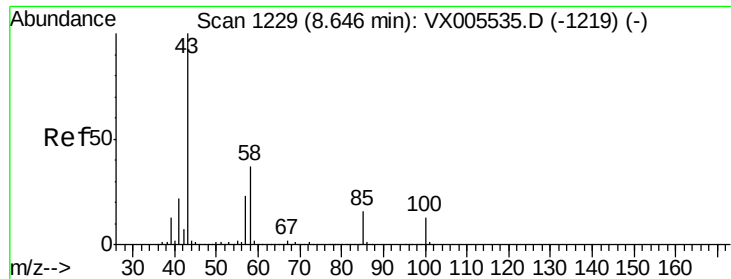
100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

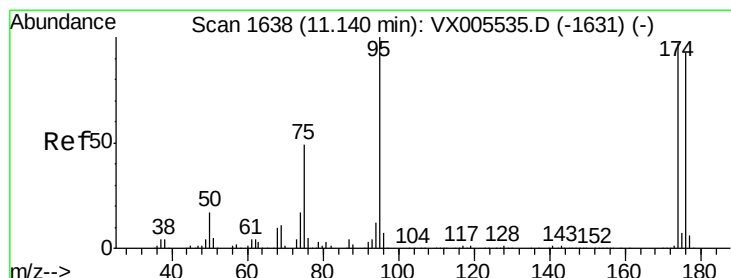
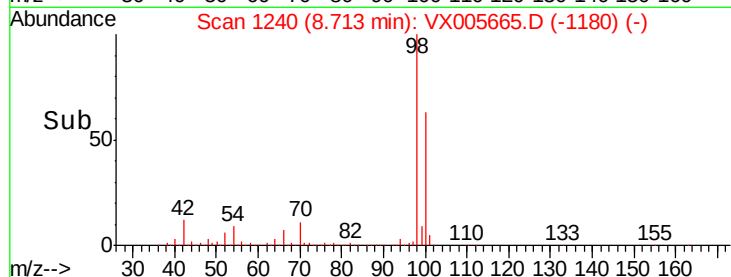
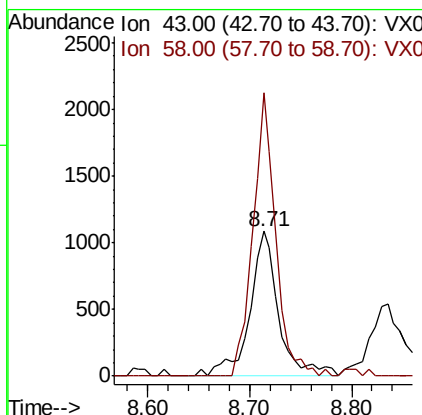
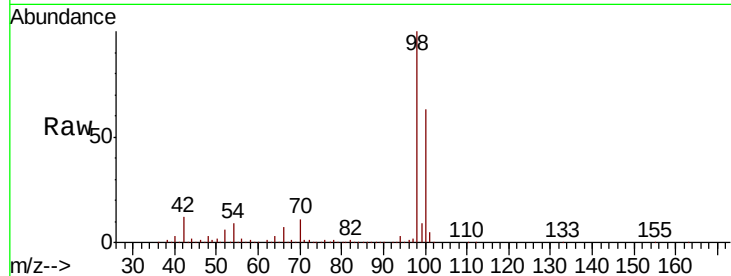




#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

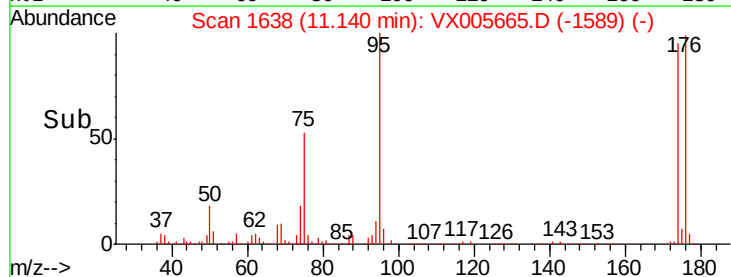
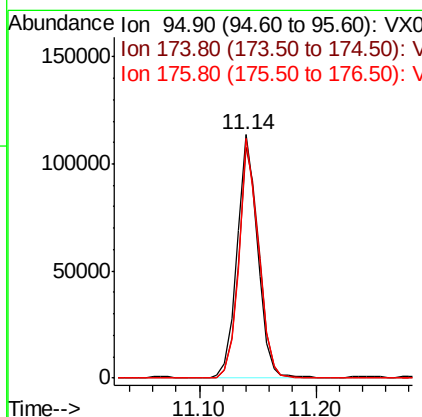
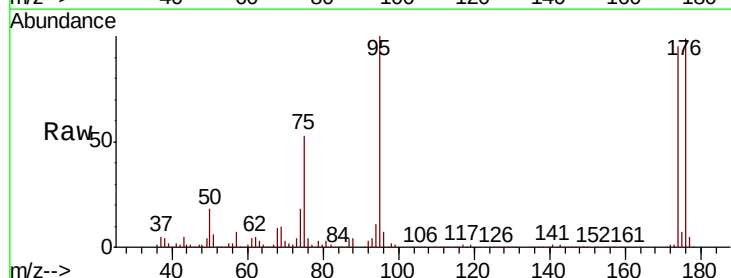
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

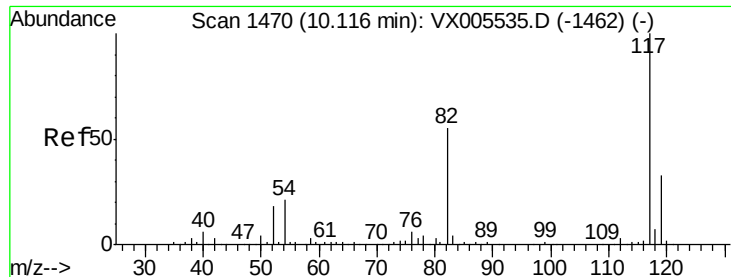
Tot Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
58 154.5 29.7 44.5#



#62
4-Bromofluorobenzene
Concen: 48.616 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 95 Resp: 139881
Ion Ratio Lower Upper
95 100
174 95.0 0.0 184.4
176 94.1 0.0 177.4

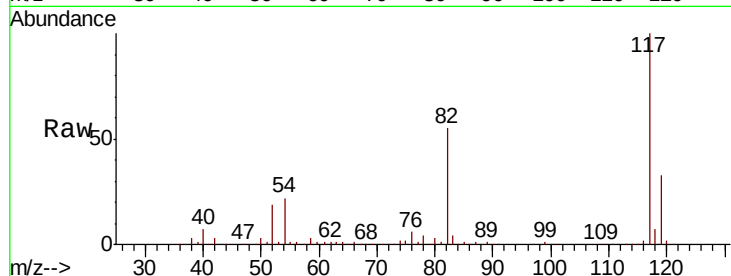




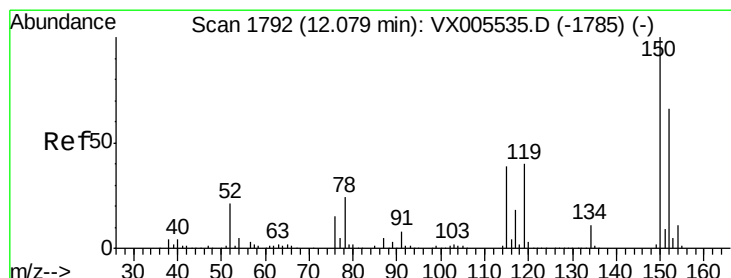
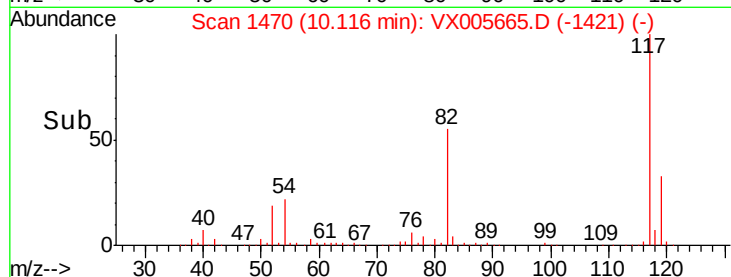
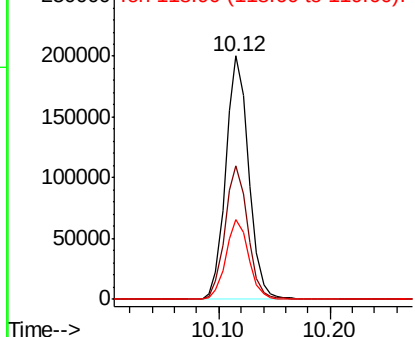
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

Tot Ion:117 Resp: 285257
Ion Ratio Lower Upper
117 100
82 54.6 44.1 66.1
119 32.8 26.2 39.2

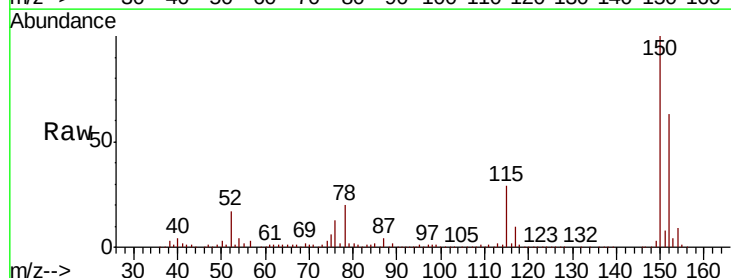


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

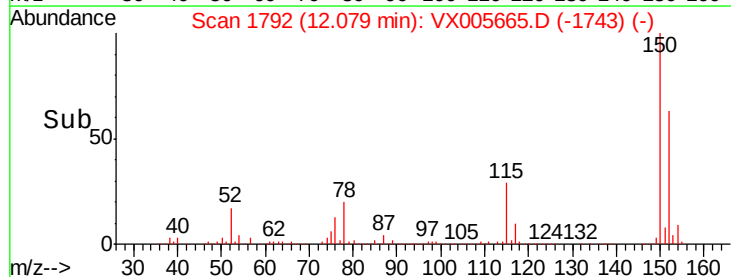
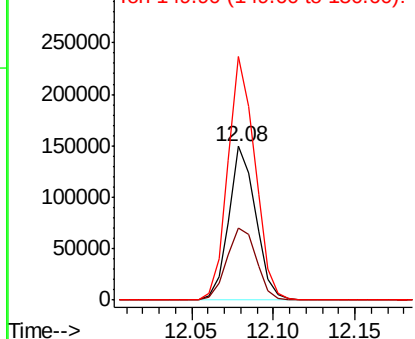


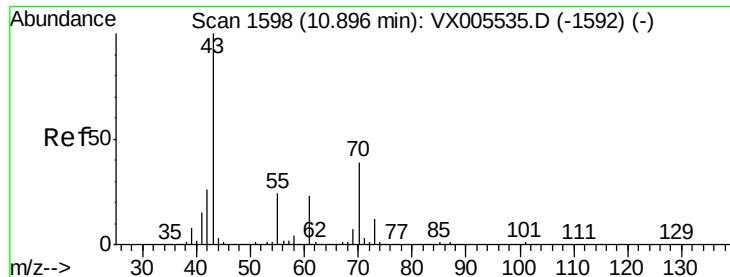
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion:152 Resp: 170890
Ion Ratio Lower Upper
152 100
115 51.9 39.4 118.1
150 161.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.855 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

TRENCH-02-BASE

Tot Ion: 43 Resp: 4423

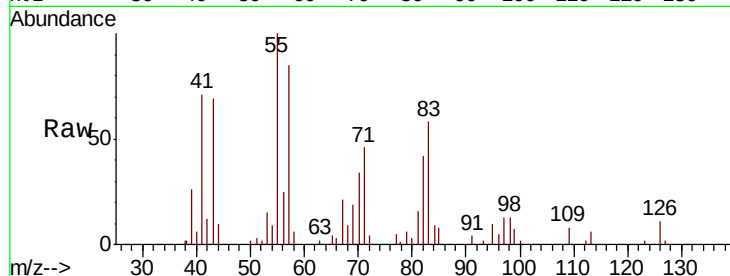
Ion Ratio Lower Upper

43 100

70 71.1 31.6 47.4#

55 143.7 19.7 29.5#

61 0.0 18.3 27.5#

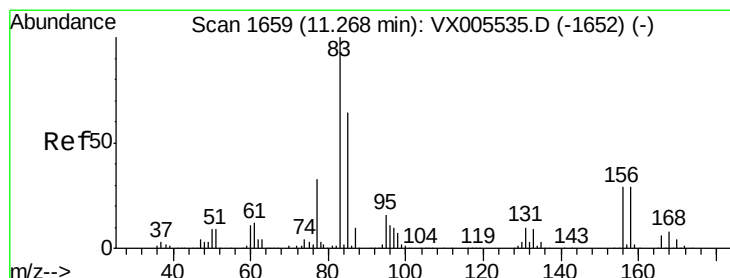
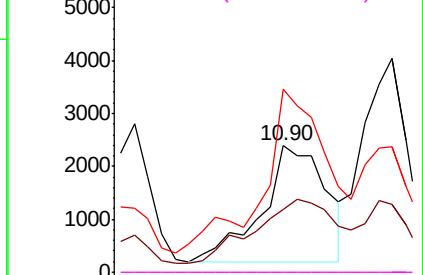
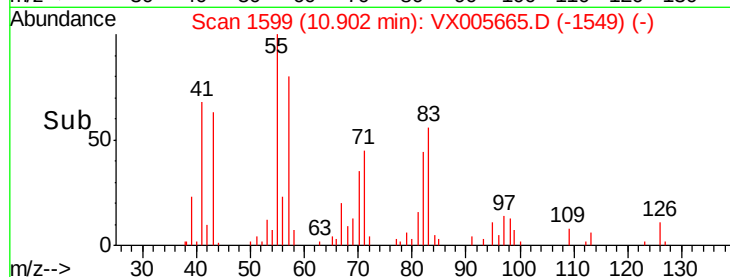


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.879 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

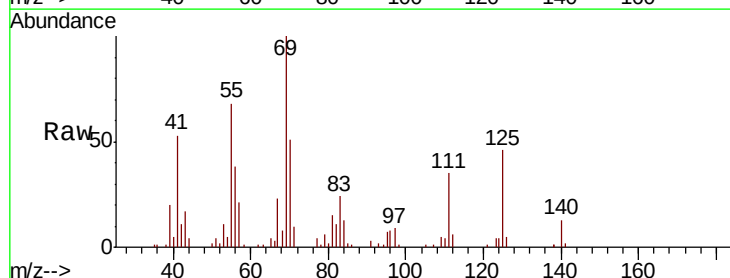
Tgt Ion: 83 Resp: 3388

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

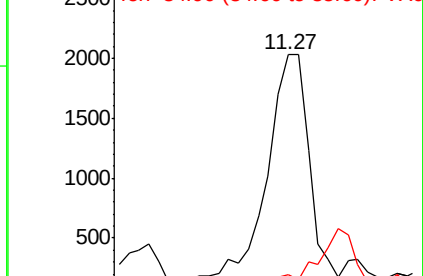
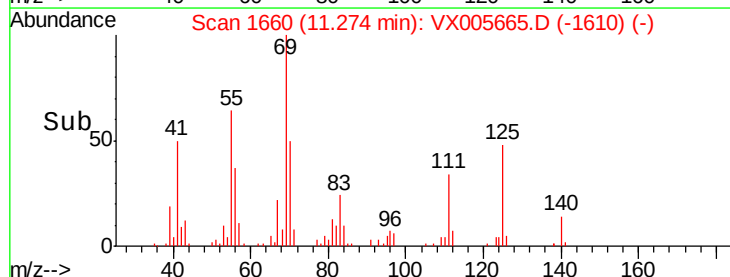
85 0.0 32.0 96.2#

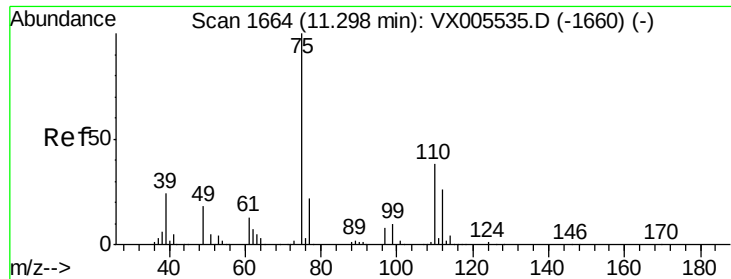


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 19.526 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

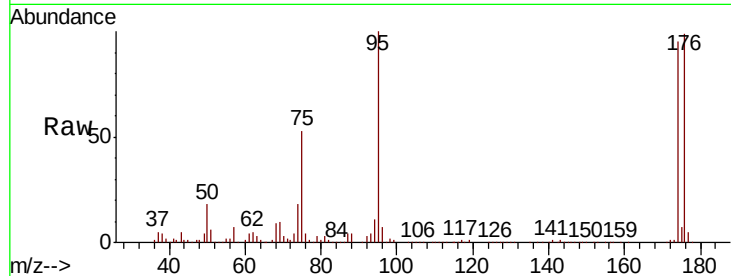
TRENCH-02-BASE

Tot Ion: 75 Resp: 70698

Ion Ratio Lower Upper

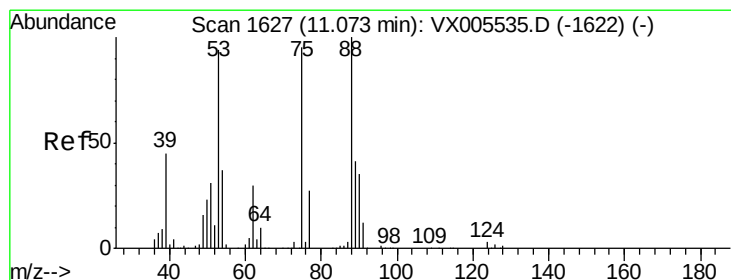
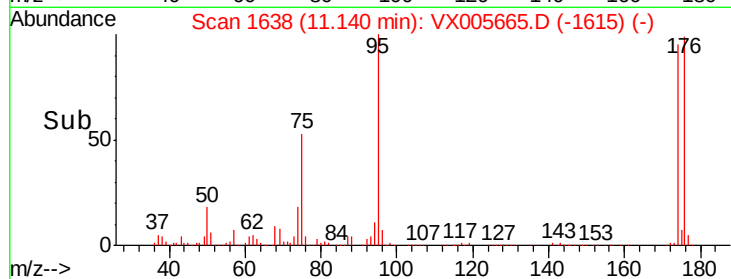
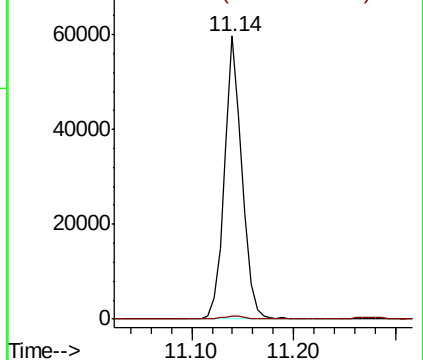
75 100

77 1.4 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.801 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

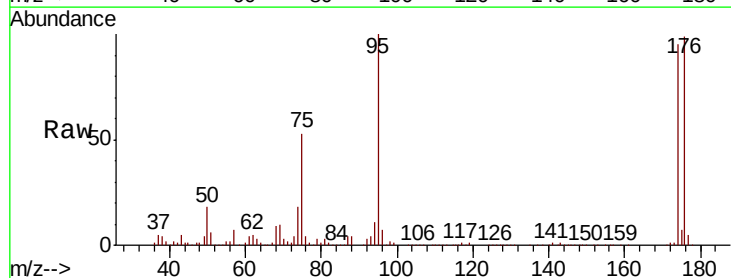
Tgt Ion: 75 Resp: 70698

Ion Ratio Lower Upper

75 100

53 0.6 80.2 120.2#

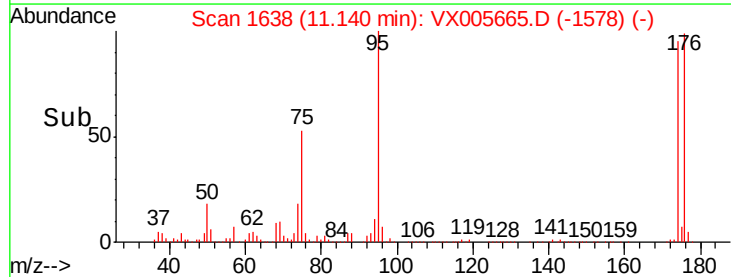
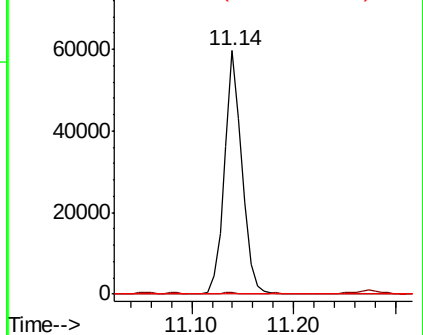
89 0.0 39.8 59.8#

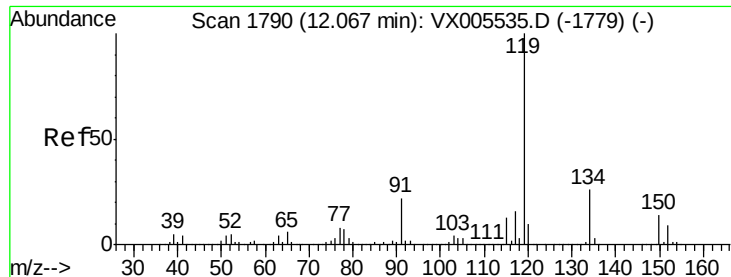


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

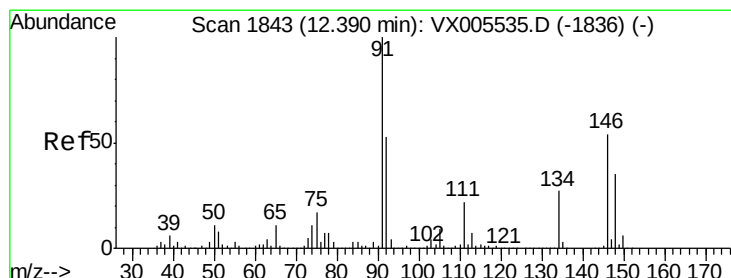
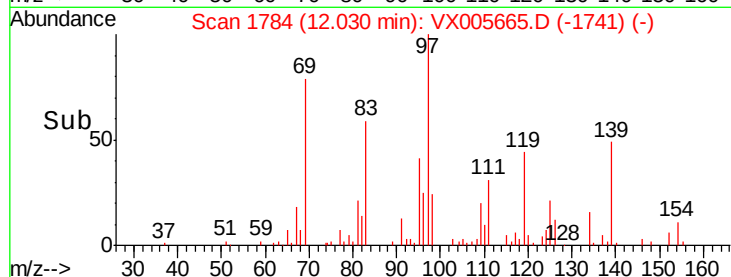
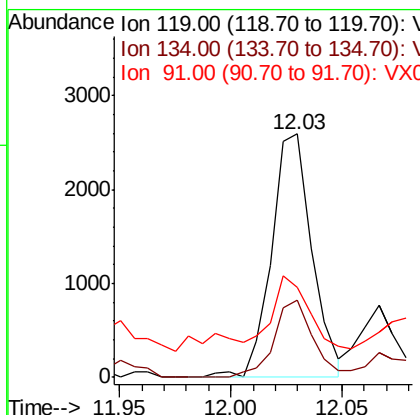
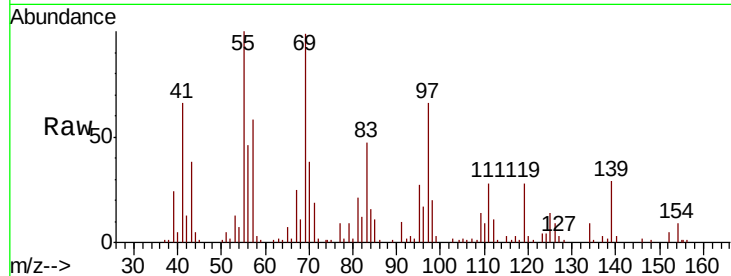




#86
p-Isopropyltoluene
Concen: 0.344 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. -0.04 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

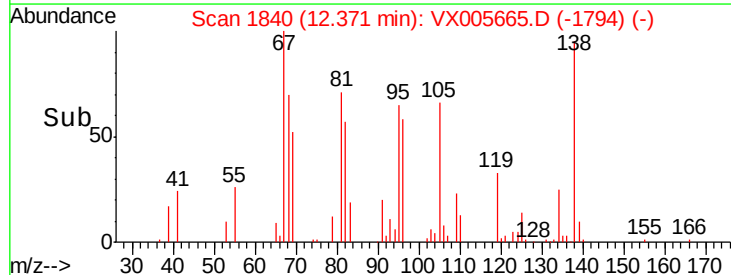
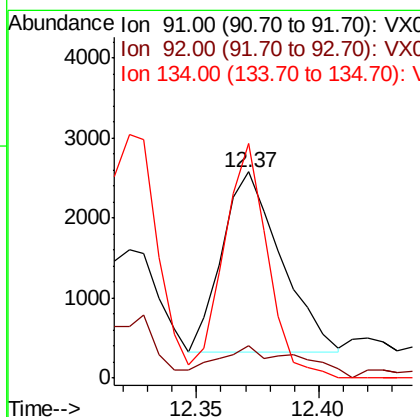
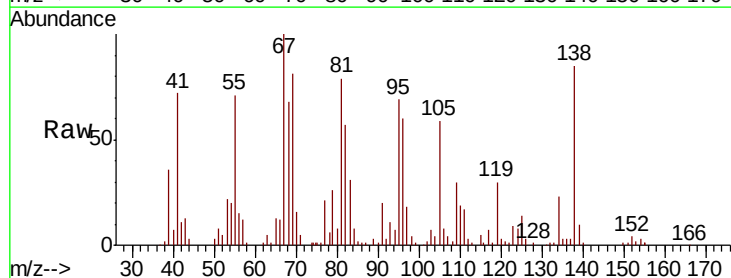
Instrument :
MSVOA_X
ClientSampleId :
TRENCH-02-BASE

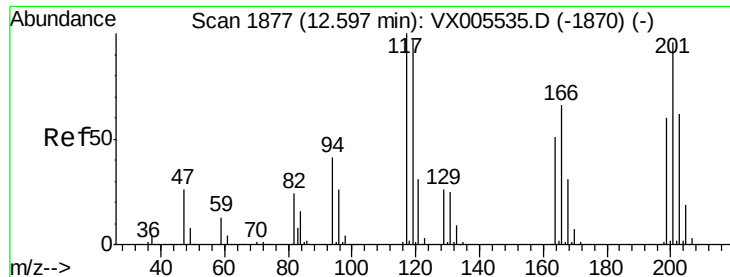
Tot Ion:119 Resp: 3273
Ion Ratio Lower Upper
119 100
134 31.2 13.0 39.0
91 29.1 11.4 34.2



#89
n-Butylbenzene
Concen: 0.442 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VX005665.D
Acq: 29 Oct 2018 17:24

Tgt Ion: 91 Resp: 3794
Ion Ratio Lower Upper
91 100
92 24.2 26.1 78.2#
134 96.0 13.1 39.3#





#90

Hexachloroethane

Concen: 0.737 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

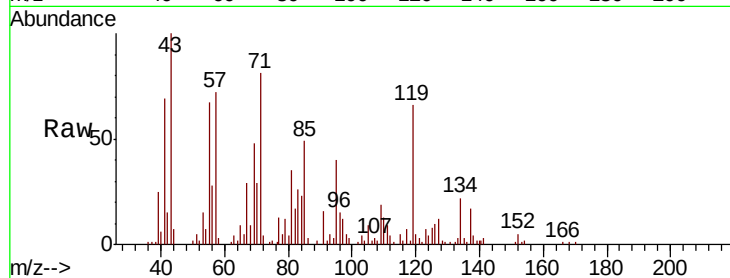
TRENCH-02-BASE

Tot Ion:117 Resp: 1208

Ion Ratio Lower Upper

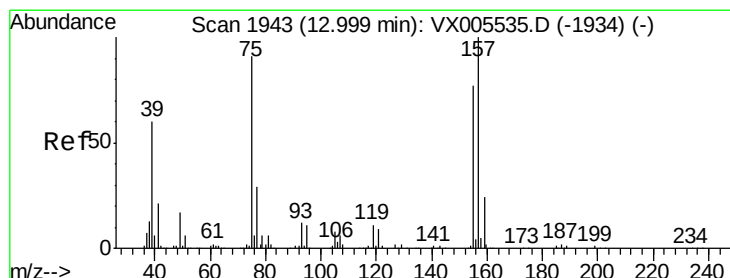
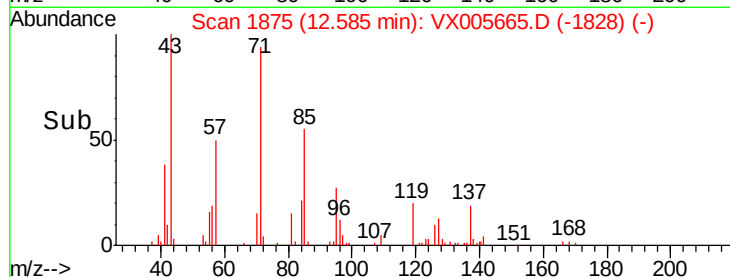
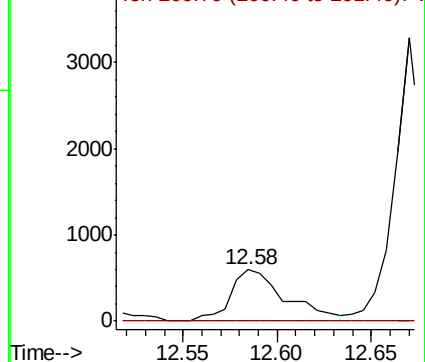
117 100

201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.688 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

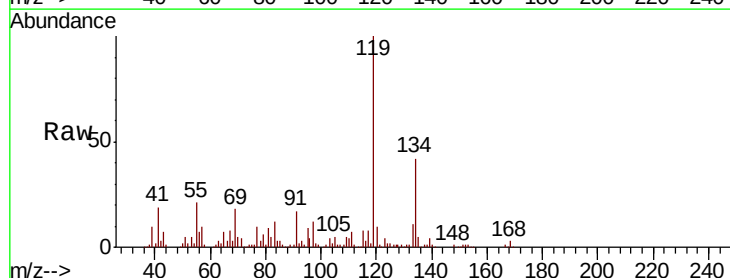
Tgt Ion: 75 Resp: 641

Ion Ratio Lower Upper

75 100

155 32.6 45.4 136.1#

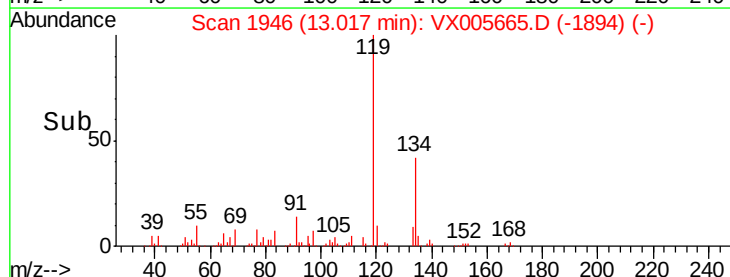
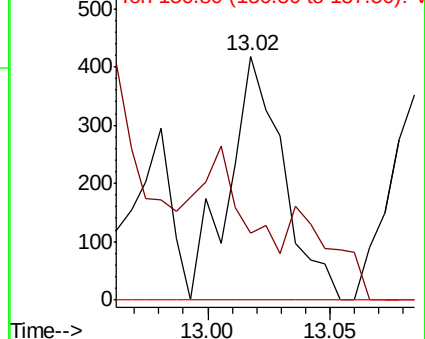
157 0.0 57.4 172.0#

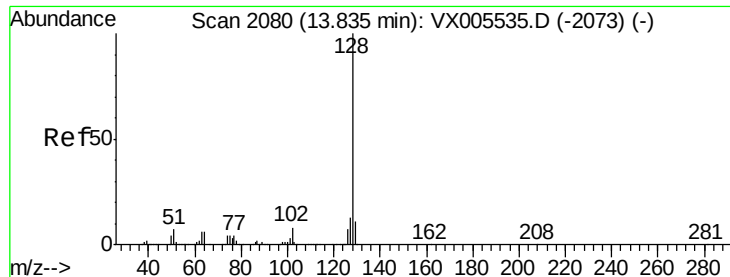


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.251 ug/l

RT: 13.85 min Scan# 2083

Delta R.T. 0.02 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

Instrument :

MSVOA_X

ClientSampled :

TRENCH-02-BASE

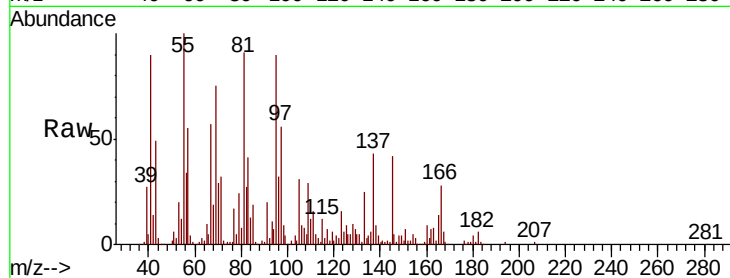
Tot Ion:128 Resp: 2935

Ion Ratio Lower Upper

128 100

127 38.6 10.4 15.6#

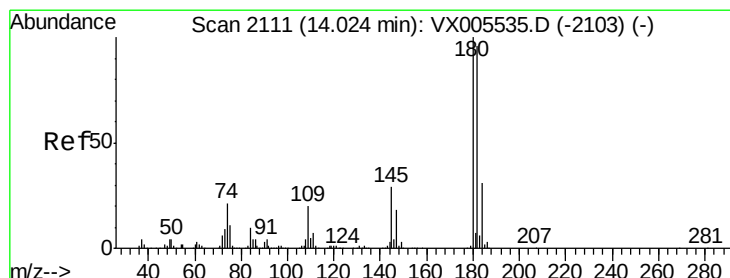
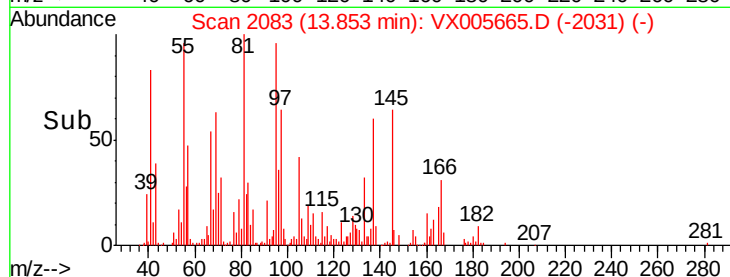
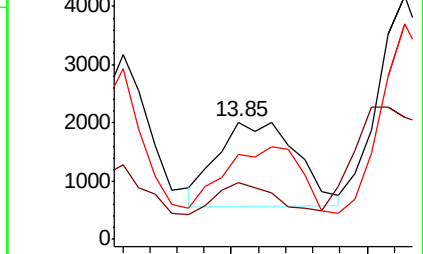
129 75.7 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.679 ug/l

RT: 14.04 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VX005665.D

Acq: 29 Oct 2018 17:24

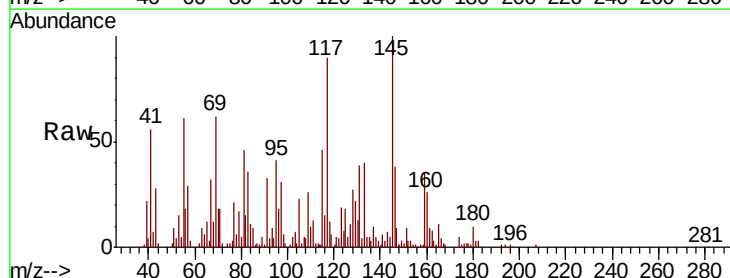
Tgt Ion:180 Resp: 2764

Ion Ratio Lower Upper

180 100

182 12.7 48.0 144.2#

145 882.8 15.1 45.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

