

Data File : VV008458.D
Acq On : 29 Oct 2018 17:02
Operator : SY/MD
Sample : J5669-21
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETBR6

Quant Time: Oct 30 07:45:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 07:40:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	188658	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69893	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45882	43.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.86%
7) Chloroethane-d5	1.57	69	36118	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.78%
11) 1,1-Dichloroethene-d2	2.13	63	63080	33.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.88%
21) 2-Butanone-d5	3.94	46	109951	96.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.85%
24) Chloroform-d	4.41	84	117501	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.22%
26) 1,2-Dichloroethane-d4	5.09	65	82947	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.32%
32) Benzene-d6	5.10	84	241910	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
36) 1,2-Dichloropropane-d6	6.12	67	82925	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.26%
41) Toluene-d8	7.36	98	216902	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	7.67	79	39426	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.14	63	81737	91.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.80%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	110828	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.68	152	72344	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

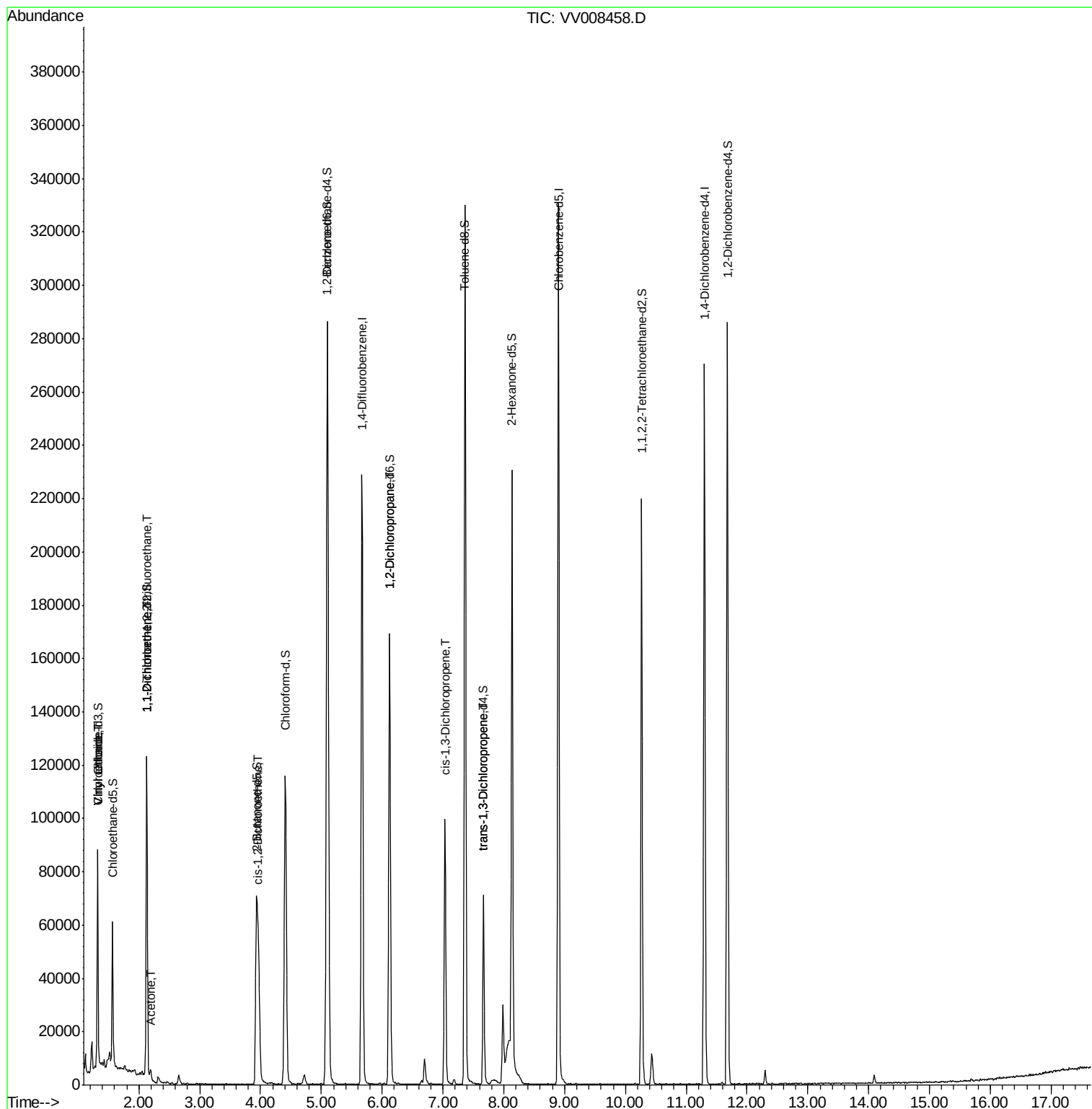
					Qvalue	
5) Vinyl chloride	1.33	62	3591	2.686	ug/L #	1
8) Chloroethane	1.33	64	2555	3.637	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	524	0.583	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	484	0.572	ug/L #	1
13) Acetone	2.19	43	2050	2.327	ug/L	92
20) cis-1,2-Dichloroethene	3.97	96	21388	14.550	ug/L	98
37) 1,2-Dichloropropane	6.12	63	8883	5.708	ug/L #	89
39) cis-1,3-Dichloropropene	7.04	75	2388	0.976	ug/L #	73
44) trans-1,3-Dichloropropene	7.67	75	1641	0.717	ug/L #	67

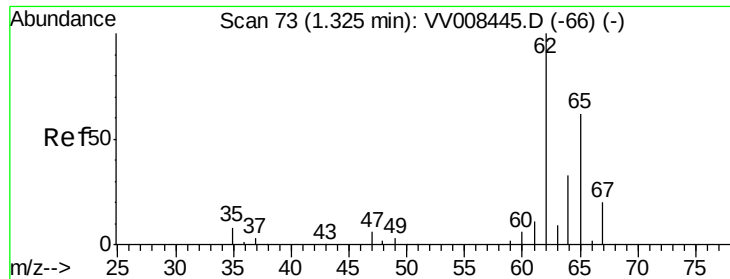
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.686 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

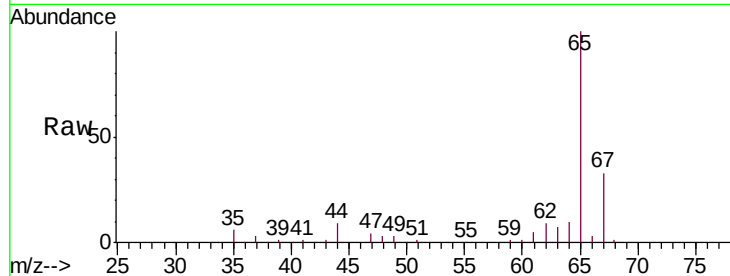
ETBR6

Tgt Ion: 62 Resp: 3591

Ion Ratio Lower Upper

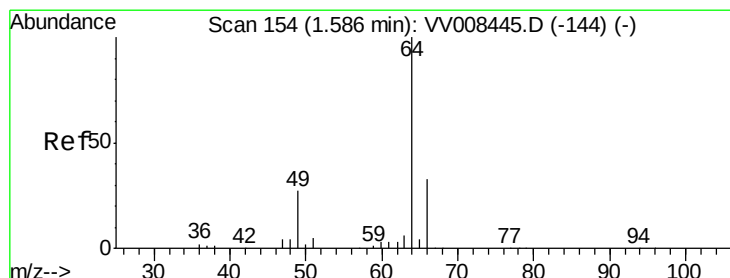
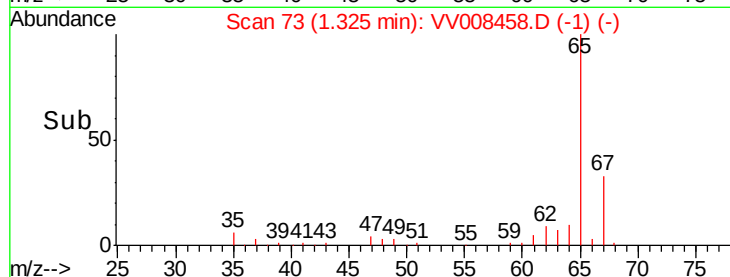
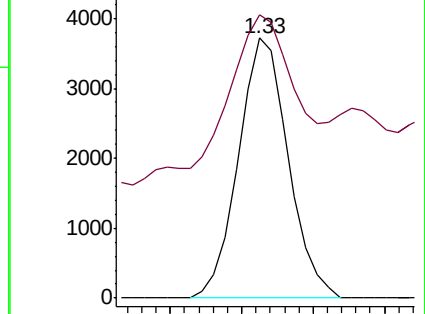
62 100

64 108.8 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV008445.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008445.D (-66) (-)



#8

Chloroethane

Concen: 3.637 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.26 min

Lab File: VV008458.D

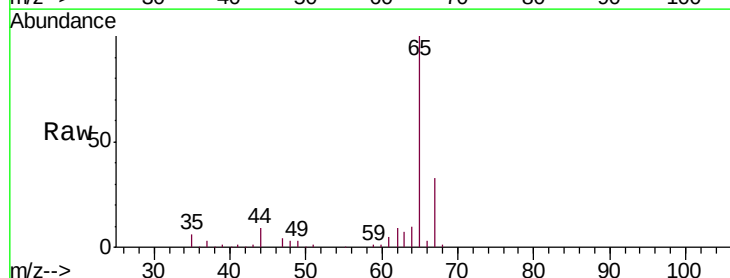
Acq: 29 Oct 2018 17:02

Tgt Ion: 64 Resp: 2555

Ion Ratio Lower Upper

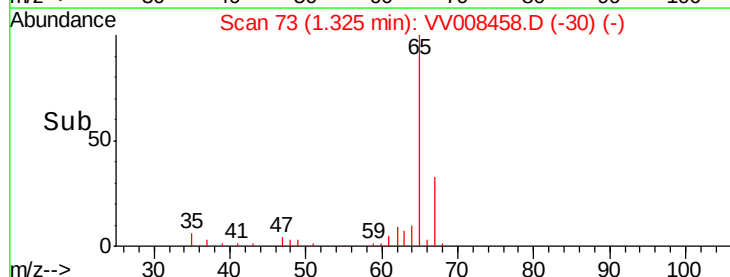
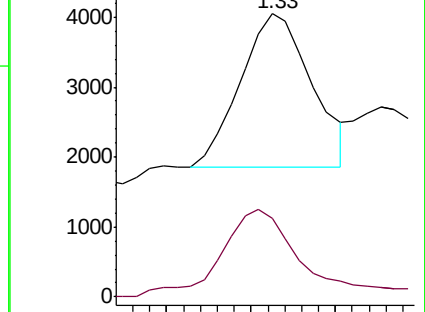
64 100

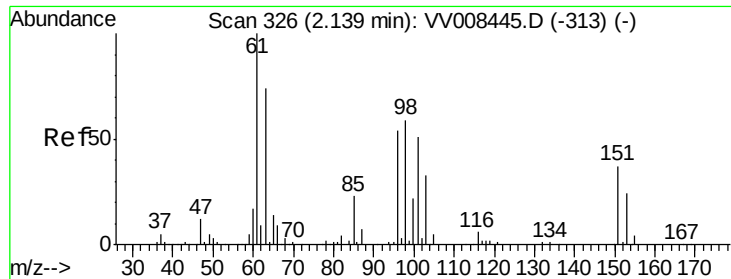
66 28.0 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008445.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV008445.D (-144) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.583 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

Instrument :

MSVOA_V

ClientSampled :

ETBR6

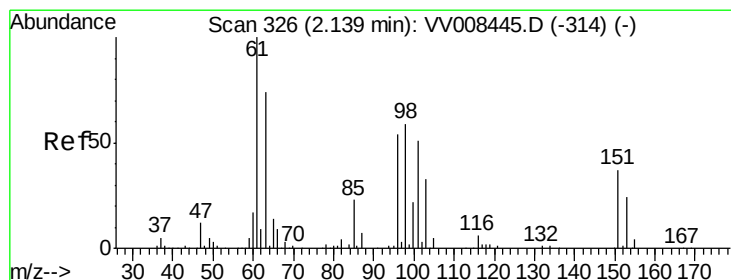
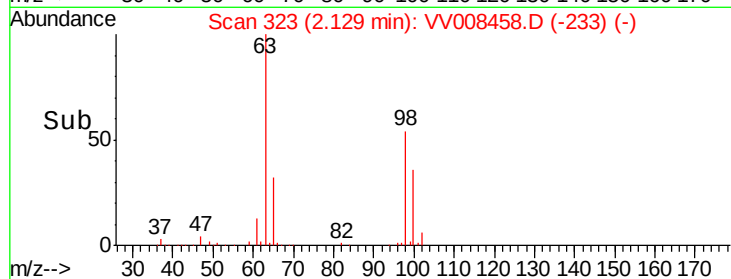
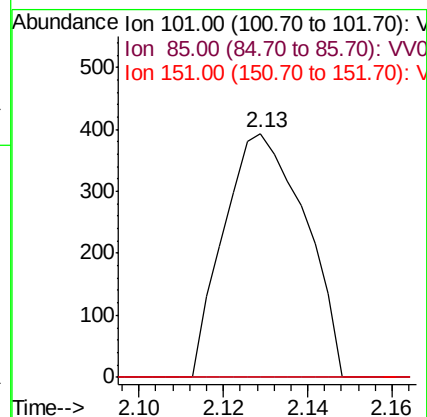
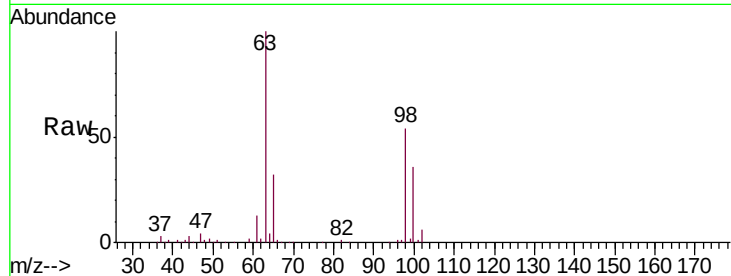
Tgt Ion:101 Resp: 524

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 58.1 87.1#



#12

1,1-Dichloroethene

Concen: 0.572 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

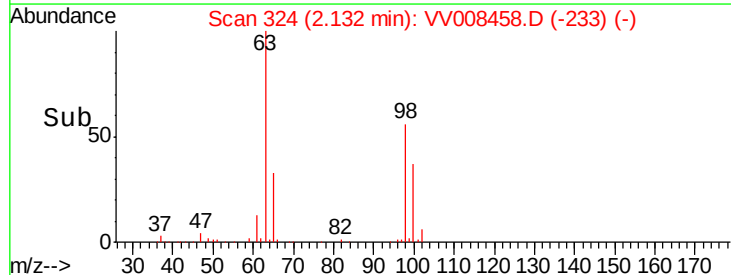
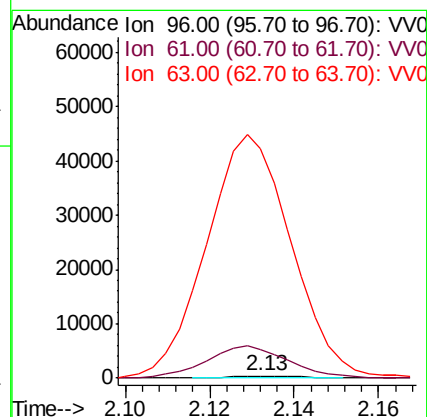
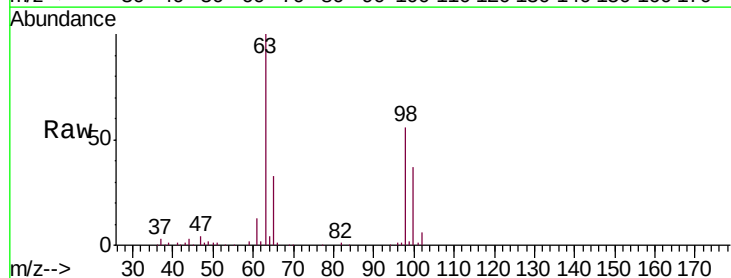
Tgt Ion: 96 Resp: 484

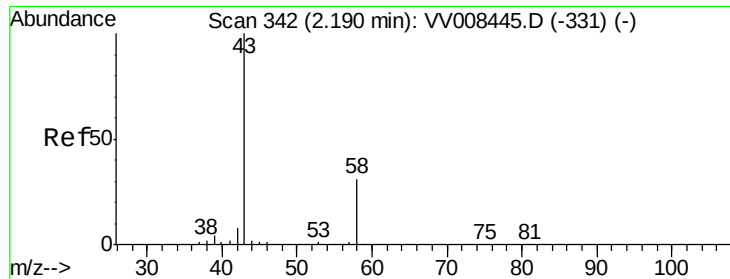
Ion Ratio Lower Upper

96 100

61 1326.4 130.3 242.1#

63 10453.3 84.4 156.8#





#13

Acetone

Concen: 2.327 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

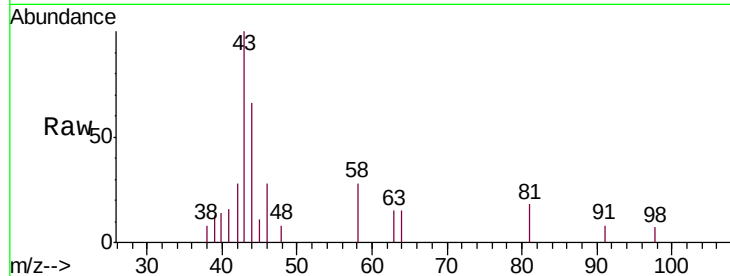
ETBR6

Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

58 26.2 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008445.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008445.D (-331) (-)

1500

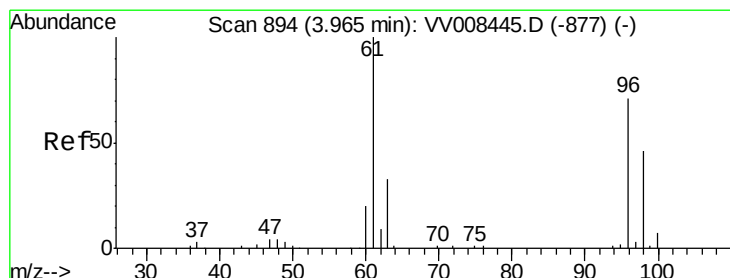
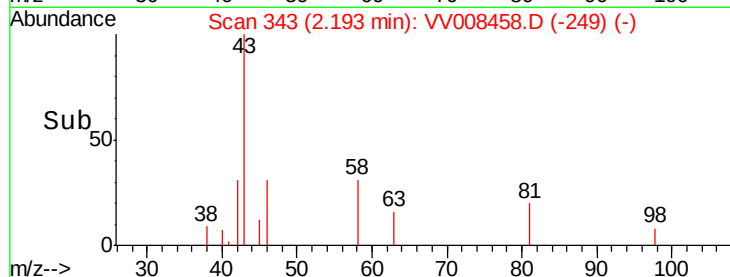
1000

500

0

2.15 2.20 2.25

Time-->



#20

cis-1,2-Dichloroethene

Concen: 14.550 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

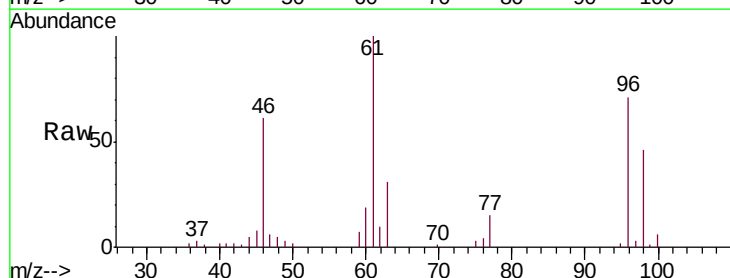
Tgt Ion: 96 Resp: 21388

Ion Ratio Lower Upper

96 100

61 141.4 100.9 187.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008445.D (-877) (-)

Ion 61.00 (60.70 to 61.70): VV008445.D (-877) (-)

Ion 68.00 (67.70 to 68.70): VV008445.D (-877) (-)

15000

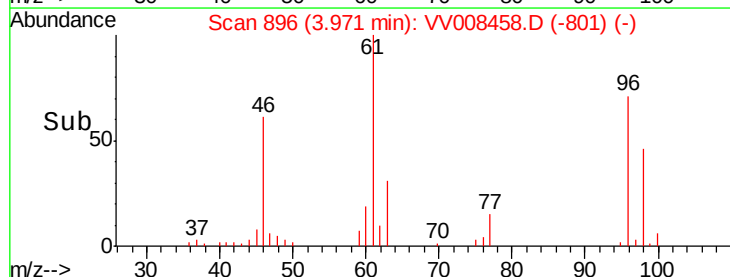
10000

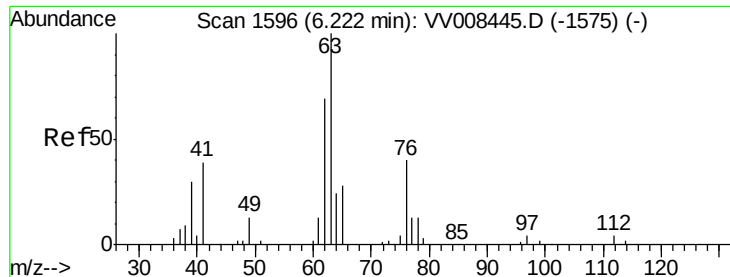
5000

0

3.90 3.95 4.00 4.05

Time-->

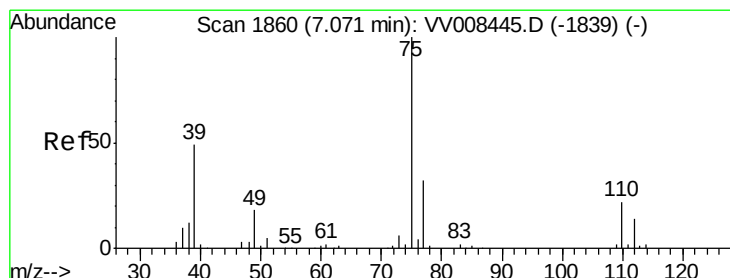
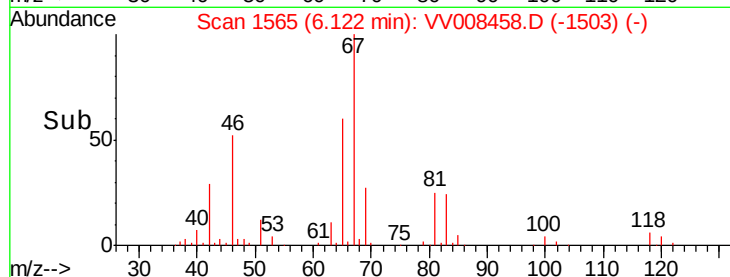
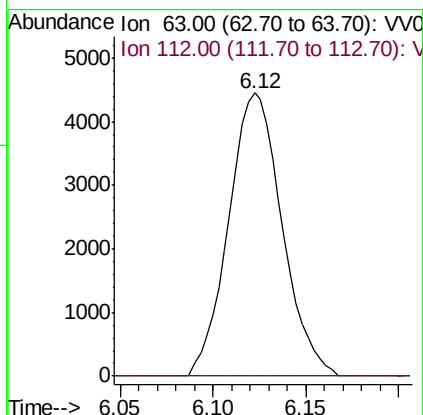
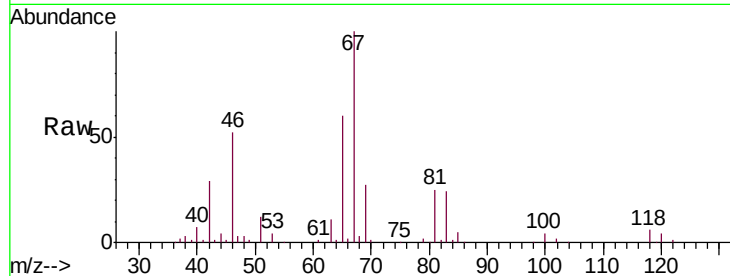




#37
 1,2-Dichloropropane
 Concen: 5.708 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008458.D
 Acq: 29 Oct 2018 17:02

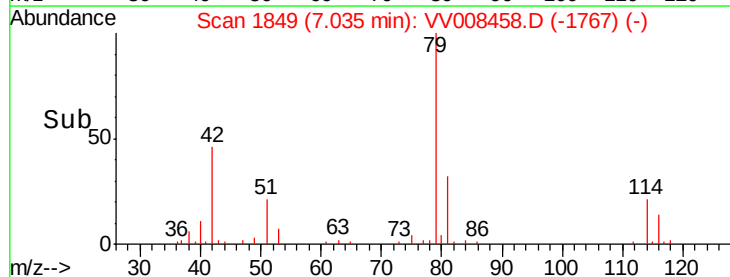
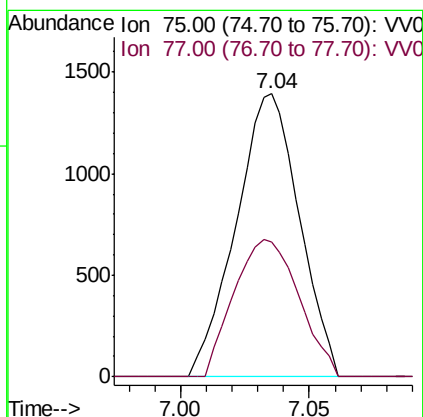
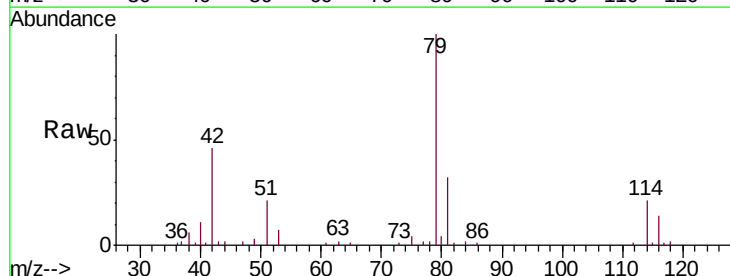
Instrument :
 MSVOA_V
 ClientSampled :
 ETBR6

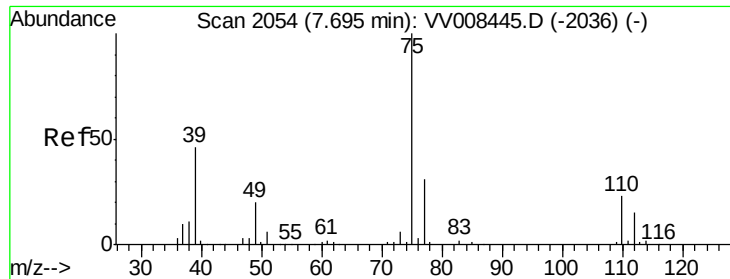
Tgt Ion: 63 Resp: 8883
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.976 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008458.D
 Acq: 29 Oct 2018 17:02

Tgt Ion: 75 Resp: 2388
 Ion Ratio Lower Upper
 75 100
 77 47.7 22.6 42.0#





#44

trans-1,3-Dichloropropene

Concen: 0.717 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV008458.D

Acq: 29 Oct 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

ETBR6

Tgt Ion: 75 Resp: 1641

Ion Ratio Lower Upper

75 100

77 49.2 21.8 40.4#

