

Data File : VV008481.D
Acq On : 30 Oct 2018 20:30
Operator : SY/MD
Sample : J5716-20MSD
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETBQ9MSD

Quant Time: Oct 31 07:19:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 31 07:14:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	180833	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164340	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39722	39.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.34%
7) Chloroethane-d5	1.56	69	26698	36.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.86%
11) 1,1-Dichloroethene-d2	2.13	63	79496	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
21) 2-Butanone-d5	3.94	46	102992	94.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.65%
24) Chloroform-d	4.41	84	109117	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
26) 1,2-Dichloroethane-d4	5.09	65	77115	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.10	84	217835	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
36) 1,2-Dichloropropane-d6	6.12	67	76708	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.38%
41) Toluene-d8	7.36	98	193009	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%
43) trans-1,3-Dichloropropene-	7.67	79	35027	44.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.70%
47) 2-Hexanone-d5	8.14	63	80108	94.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.38%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	106516	48.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.76%
64) 1,2-Dichlorobenzene-d4	11.68	152	68683	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%

Target Compounds

						Qvalue
5) Vinyl chloride	1.33	62	2293	1.789	ug/L #	29
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	579	0.672	ug/L #	20
12) 1,1-Dichloroethene	2.14	96	41990	51.752	ug/L	93
13) Acetone	2.19	43	4032	4.774	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	2831	2.289	ug/L	92
20) cis-1,2-Dichloroethene	3.97	96	62147	44.106	ug/L	94
33) Benzene	5.15	78	283581	52.789	ug/L	100
34) Trichloroethene	5.96	95	83220	60.509	ug/L	99
37) 1,2-Dichloropropane	6.12	63	8097	5.458	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	2174	0.932	ug/L #	59
42) Toluene	7.43	91	291097	52.168	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	1377	0.631	ug/L #	55
46) Tetrachloroethene	8.02	164	1444	1.611	ug/L	94
49) Dibromochloromethane	8.02	129	1406	0.997	ug/L #	10
51) Chlorobenzene	8.93	112	175691	51.135	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103018\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Oct 31 07:14:32 2018
Response via : Initial Calibration

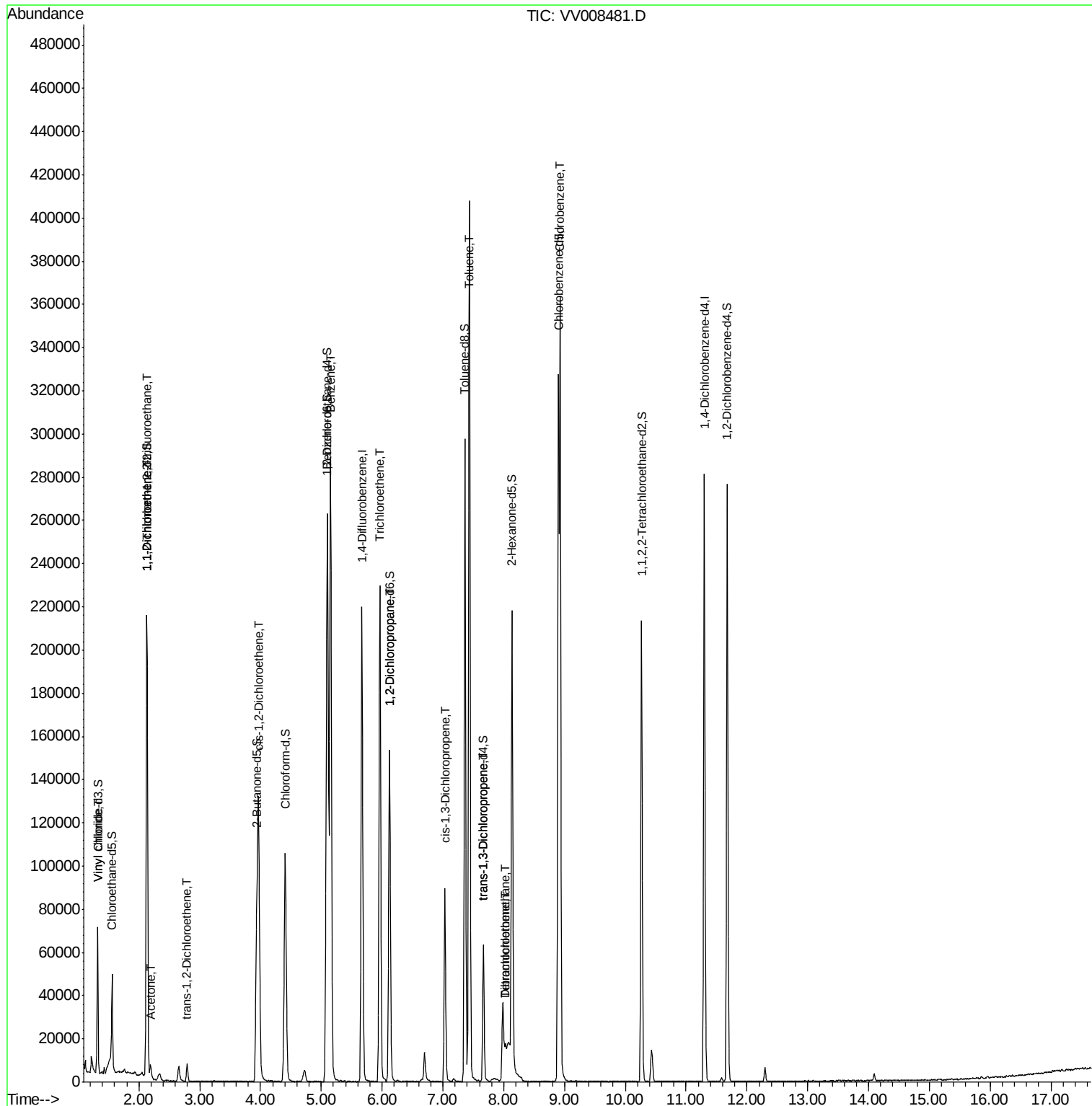
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

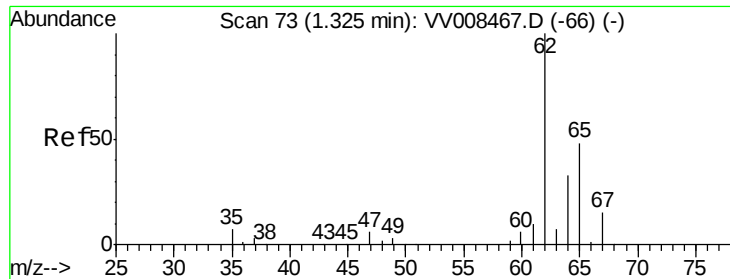
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Wed Oct 31 07:14:32 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.789 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

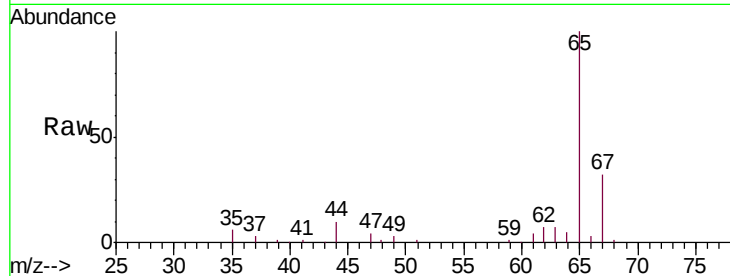
ETBQ9MSD

Tgt Ion: 62 Resp: 2293

Ion Ratio Lower Upper

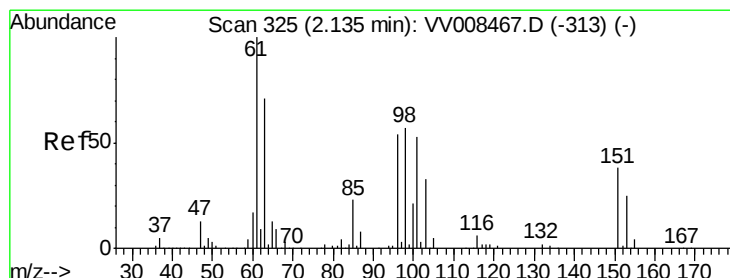
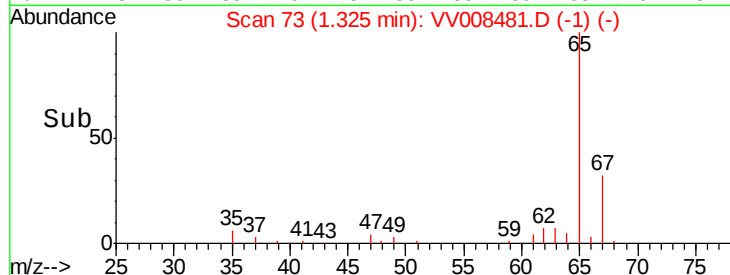
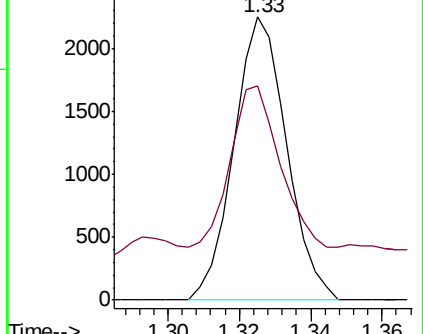
62 100

64 75.8 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#10

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

Concen: 0.672 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

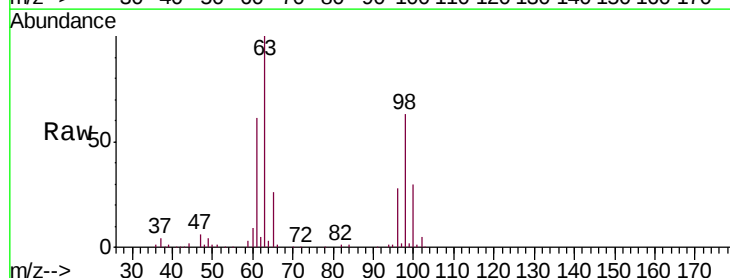
Tgt Ion: 101 Resp: 579

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

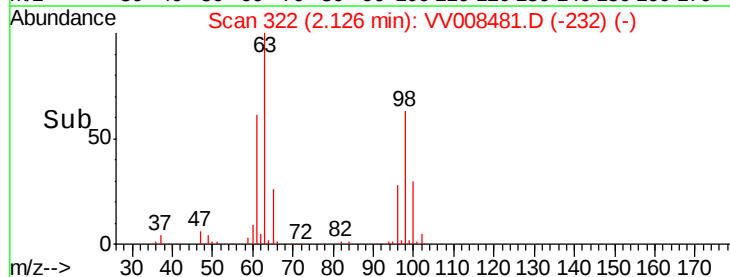
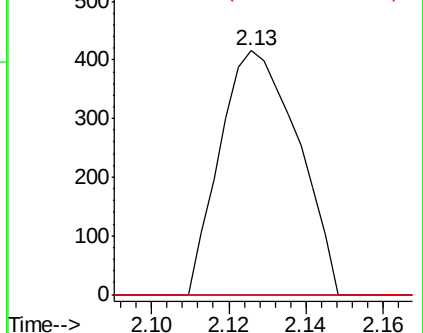
151 0.0 58.1 87.1#

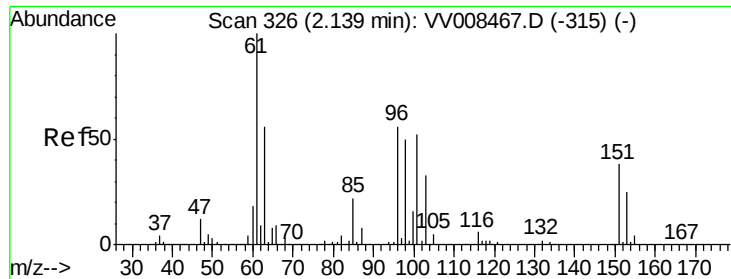


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 51.752 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

ETBQ9MSD

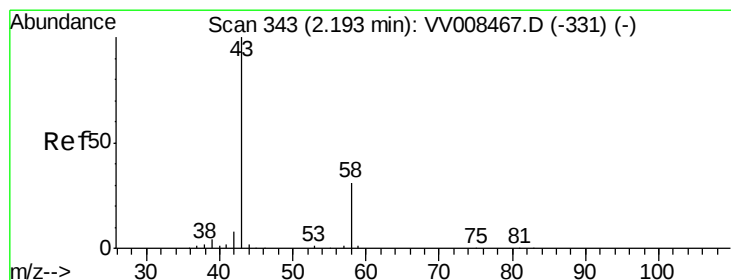
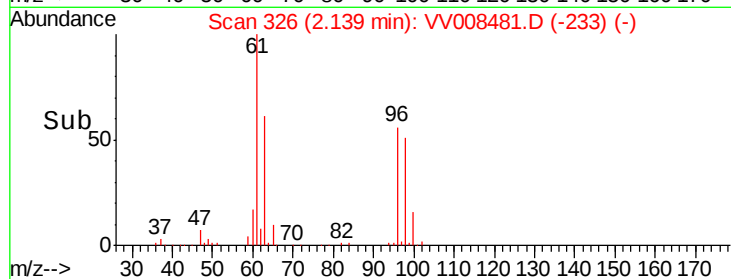
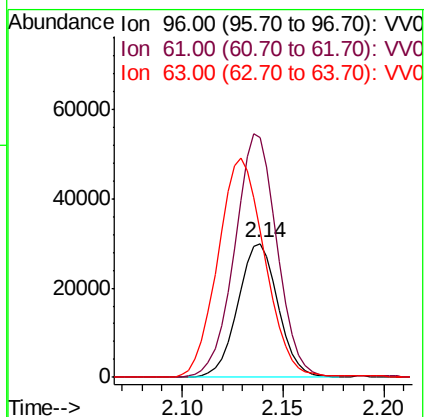
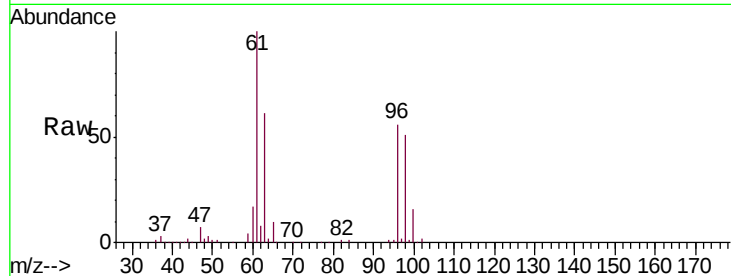
Tgt Ion: 96 Resp: 41990

Ion Ratio Lower Upper

96 100

61 179.1 130.3 242.1

63 109.4 84.4 156.8



#13

Acetone

Concen: 4.774 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008481.D

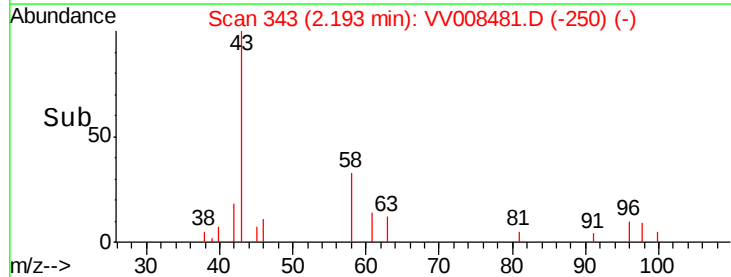
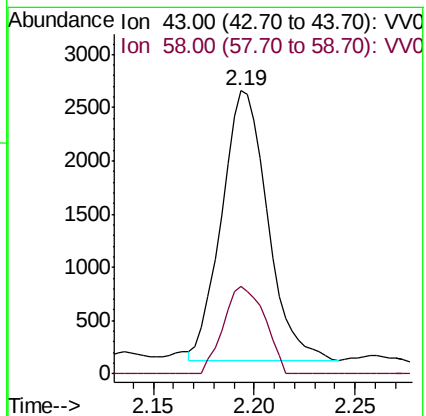
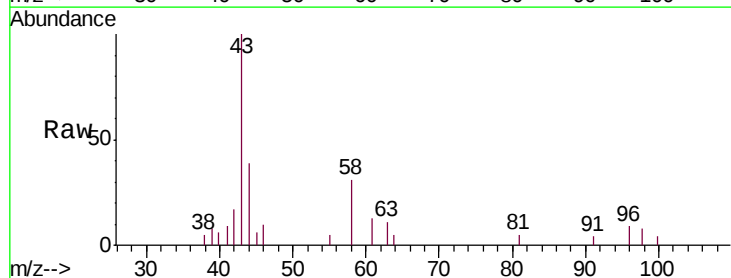
Acq: 30 Oct 2018 20:30

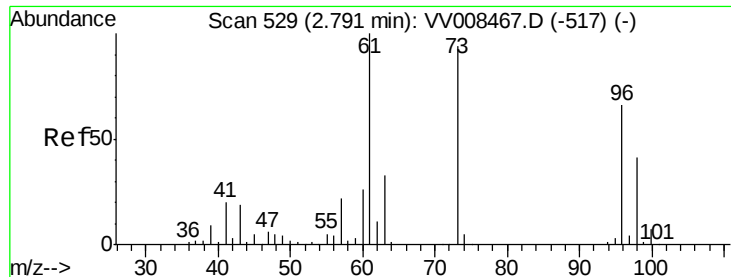
Tgt Ion: 43 Resp: 4032

Ion Ratio Lower Upper

43 100

58 29.2 0.0 61.4





#17

trans-1,2-Dichloroethene

Concen: 2.289 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

ETBQ9MSD

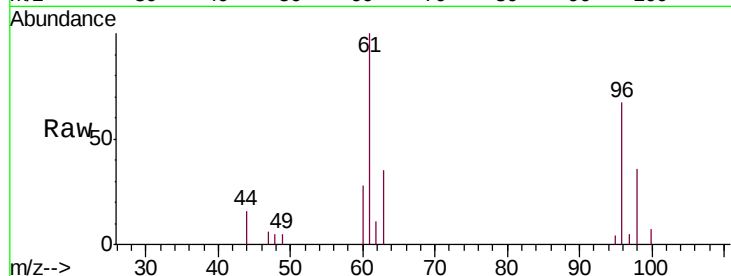
Tgt Ion: 96 Resp: 2831

Ion Ratio Lower Upper

96 100

61 148.5 108.6 201.6

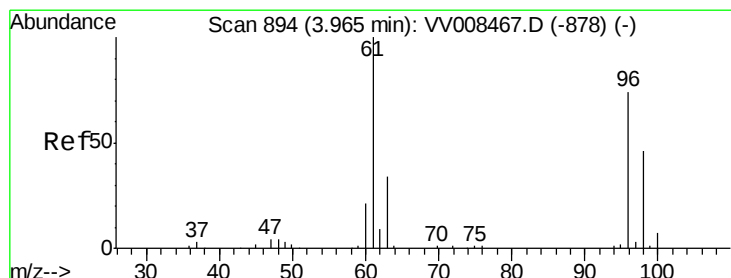
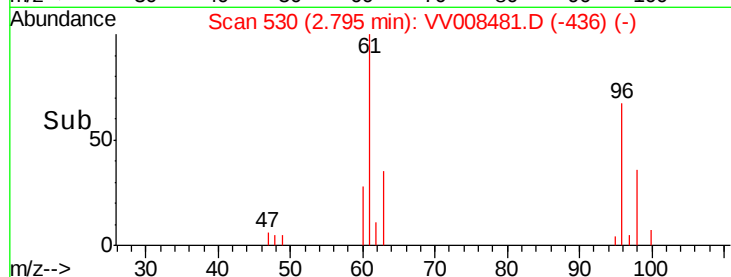
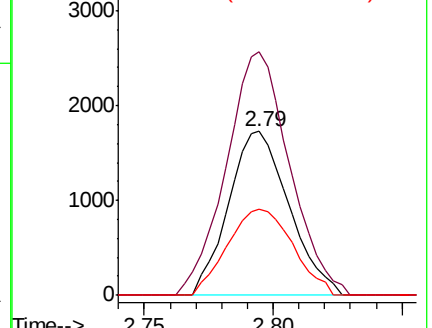
98 52.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008481.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV008481.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV008481.D (-436) (-)



#20

cis-1,2-Dichloroethene

Concen: 44.106 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

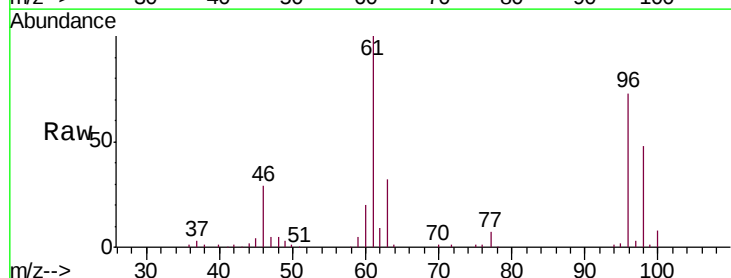
Tgt Ion: 96 Resp: 62147

Ion Ratio Lower Upper

96 100

61 136.9 100.9 187.5

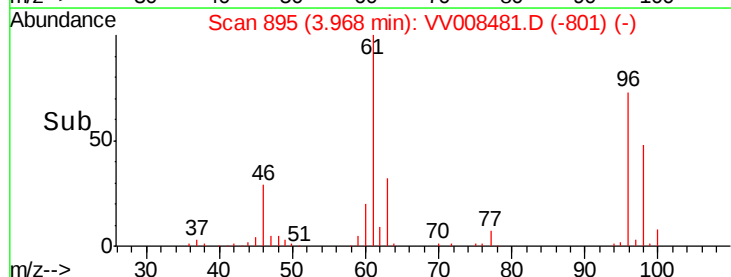
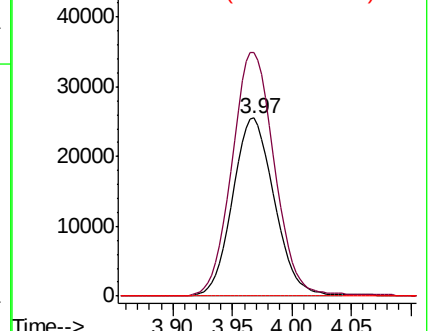
68 0.0 0.0 0.0

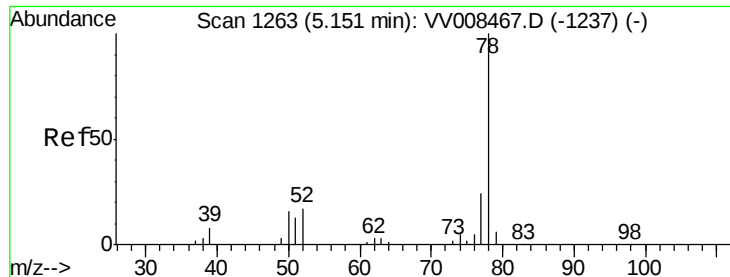


Abundance Ion 96.00 (95.70 to 96.70): VV008481.D (-801) (-)

Ion 61.00 (60.70 to 61.70): VV008481.D (-801) (-)

Ion 68.00 (67.70 to 68.70): VV008481.D (-801) (-)





#33

Benzene

Concen: 52.789 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

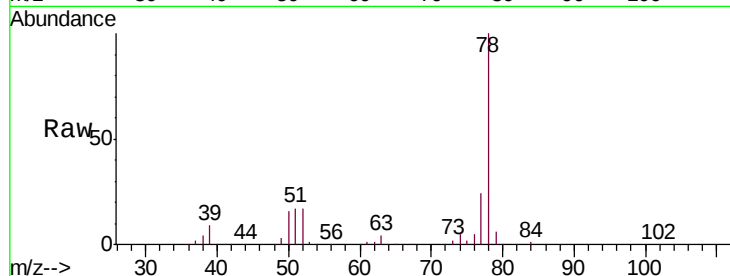
Instrument :

MSVOA_V

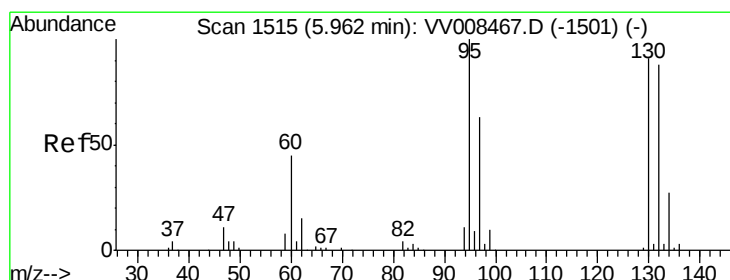
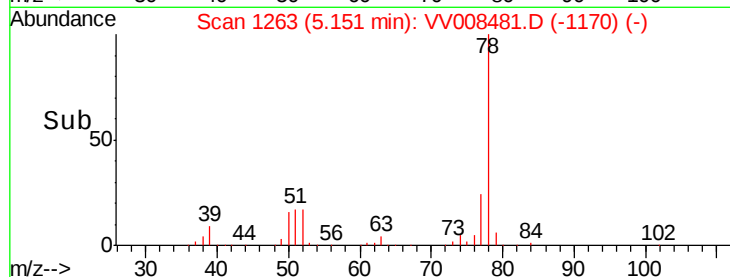
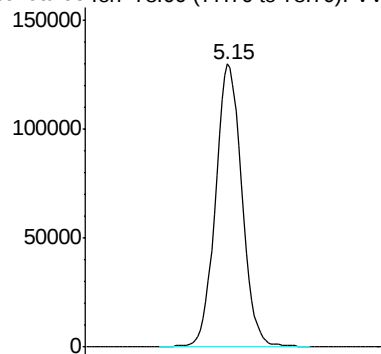
ClientSampleId :

ETBQ9MSD

Tgt Ion: 78 Resp: 283581



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 60.509 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Tgt Ion: 95 Resp: 83220

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.2	84.0
132	89.3	63.8	118.6
130	92.6	64.7	120.1

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

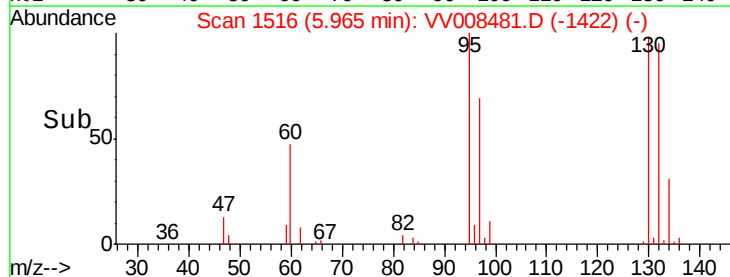
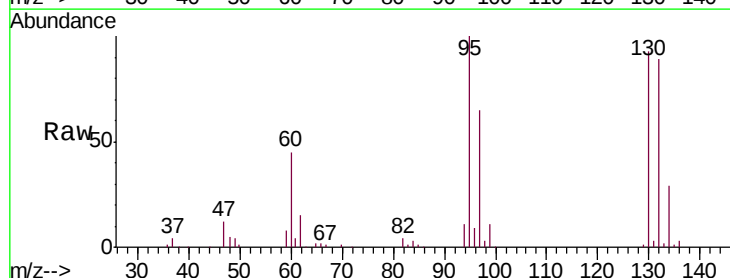
Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

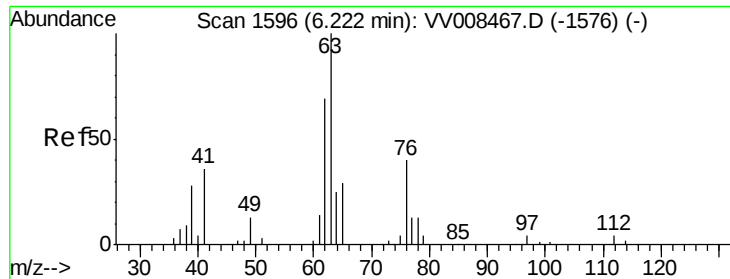
Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

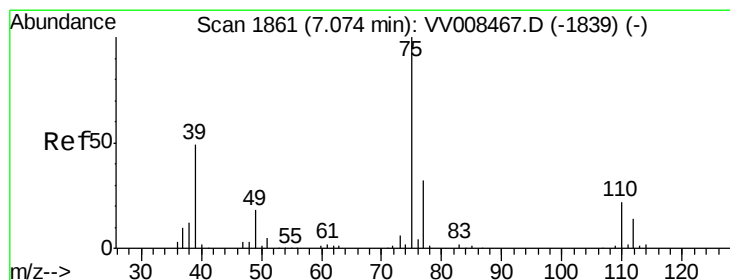
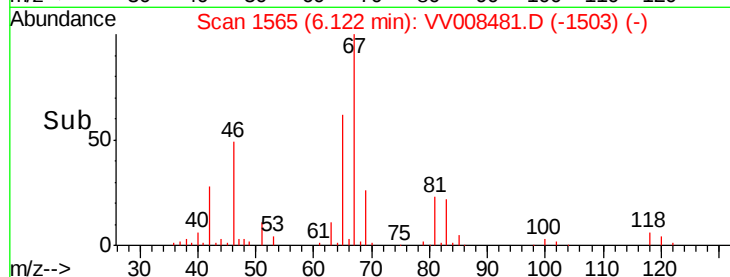
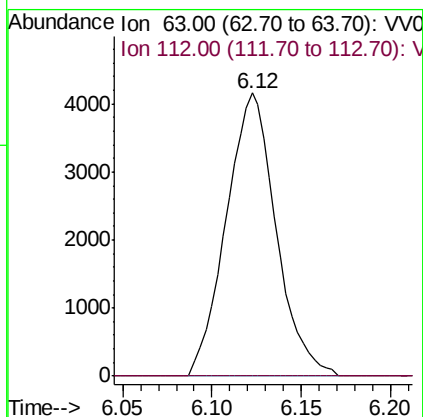
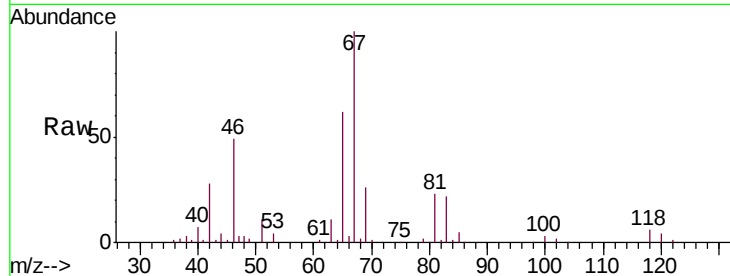
Ion 130.00 (129.70 to 130.70): VV0



#37
 1,2-Dichloropropane
 Concen: 5.458 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008481.D
 Acq: 30 Oct 2018 20:30

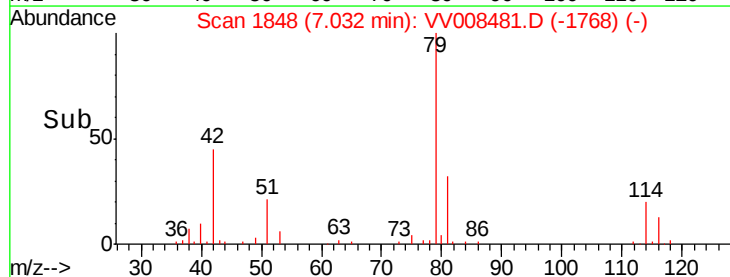
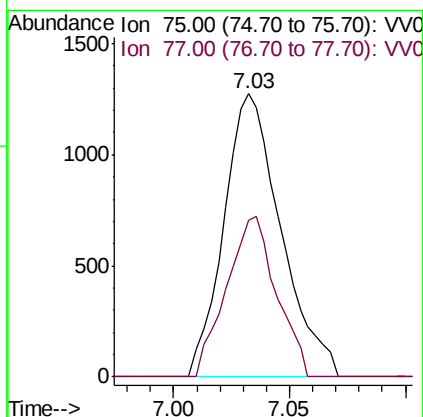
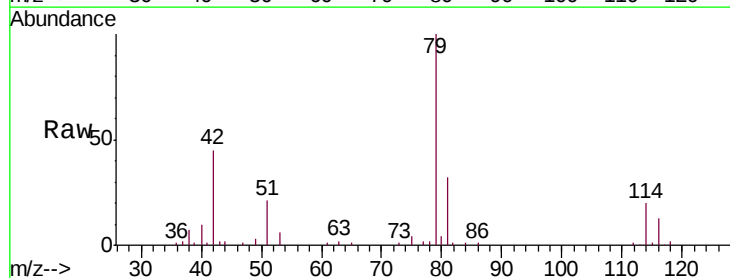
Instrument :
 MSVOA_V
 ClientSampleId :
 ETBQ9MSD

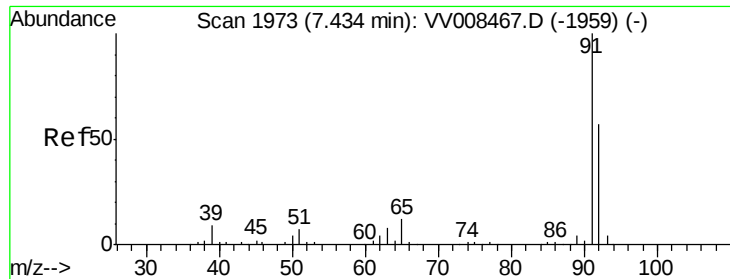
Tgt Ion: 63 Resp: 8097
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.932 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008481.D
 Acq: 30 Oct 2018 20:30

Tgt Ion: 75 Resp: 2174
 Ion Ratio Lower Upper
 75 100
 77 55.3 22.6 42.0#





#42

Toluene

Concen: 52.168 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

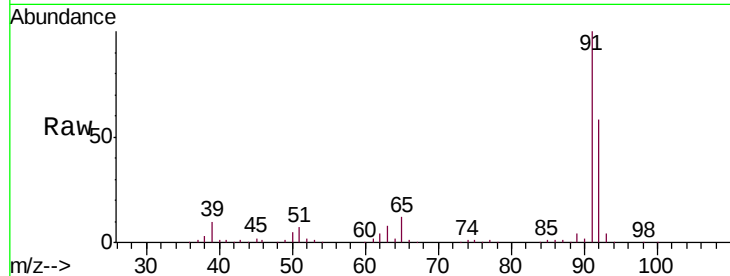
ETBQ9MSD

Tgt Ion: 91 Resp: 291097

Ion Ratio Lower Upper

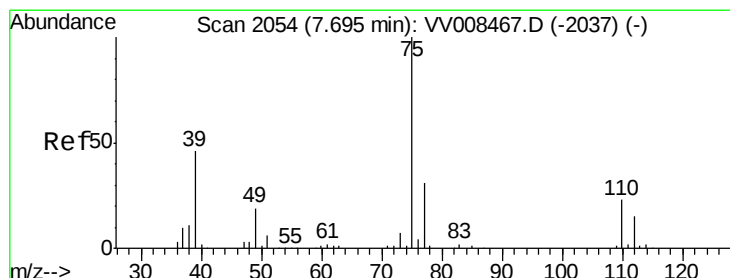
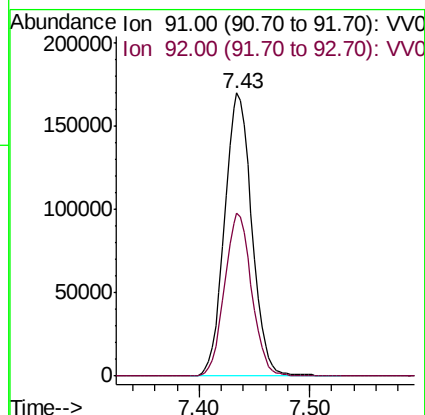
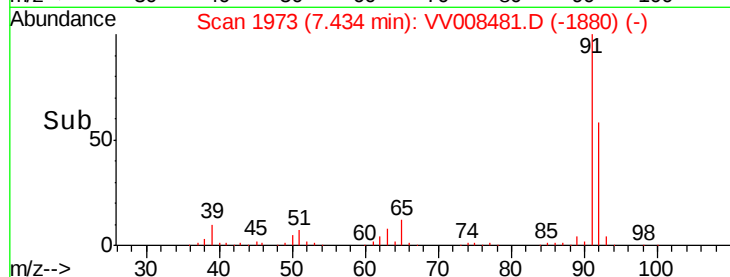
91 100

92 57.6 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008481.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VV008481.D (-1880) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.631 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008481.D

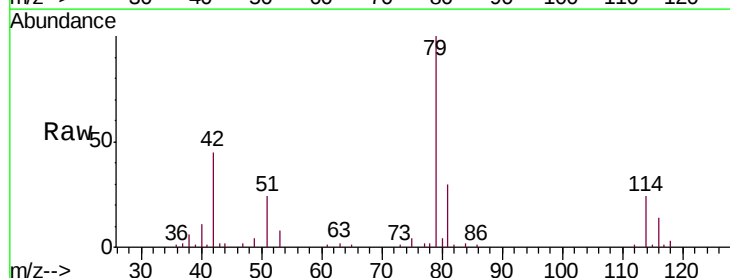
Acq: 30 Oct 2018 20:30

Tgt Ion: 75 Resp: 1377

Ion Ratio Lower Upper

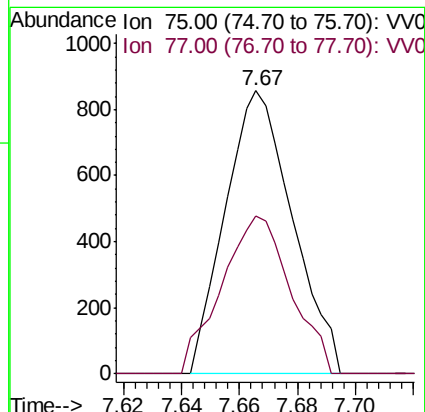
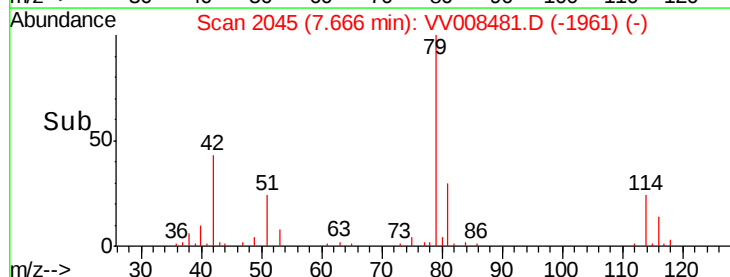
75 100

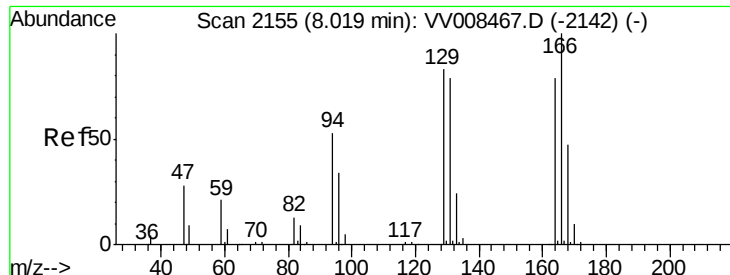
77 55.9 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VV008481.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV008481.D (-1961) (-)

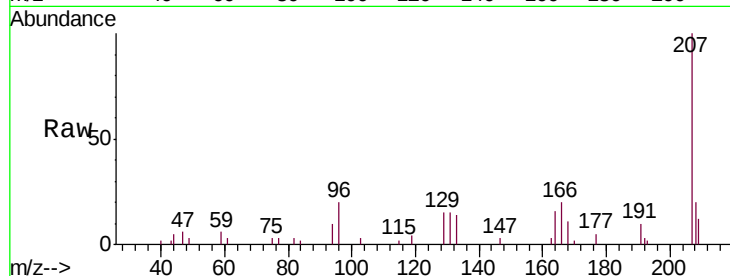




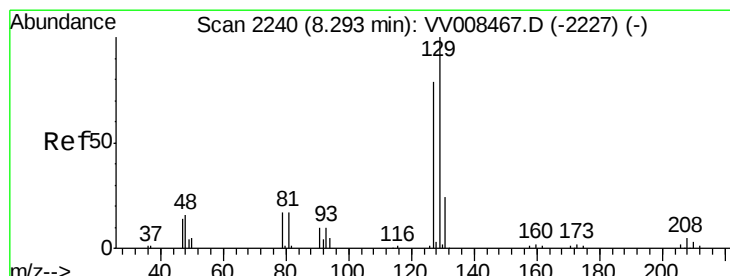
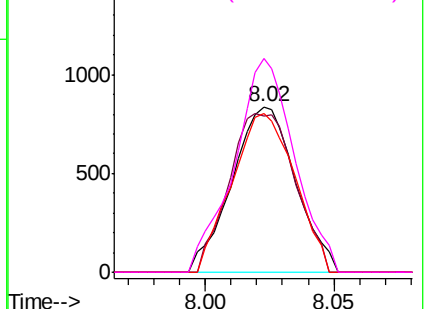
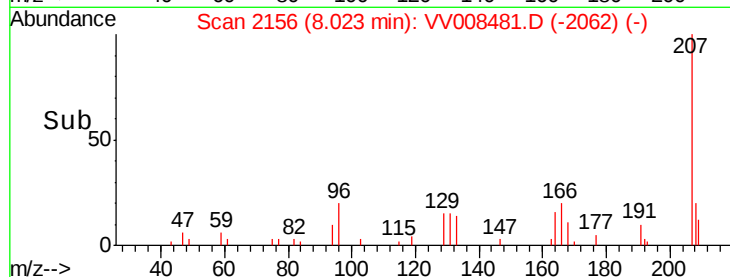
#46
Tetrachloroethene
Concen: 1.611 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008481.D
Acq: 30 Oct 2018 20:30

Instrument :
MSVOA_V
ClientSampleId :
ETBQ9MSD

Tgt Ion:164 Resp: 1444
Ion Ratio Lower Upper
164 100
129 94.6 75.0 139.2
131 96.3 71.3 132.3
166 129.2 89.2 165.6

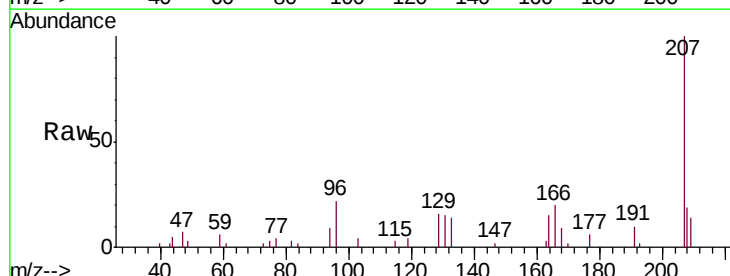


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

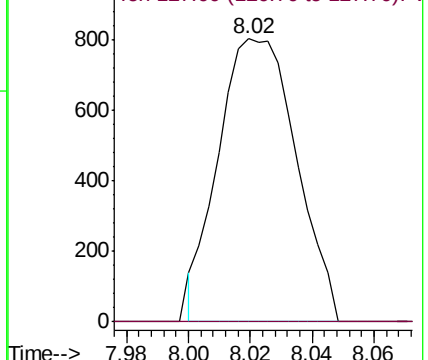
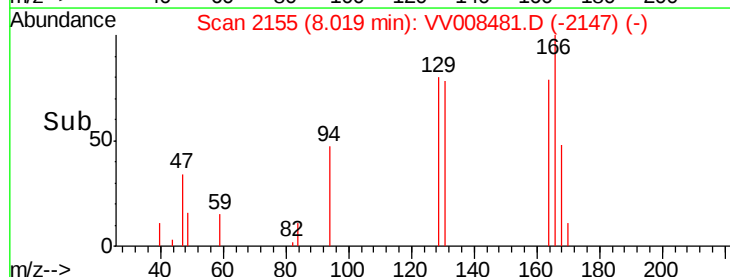


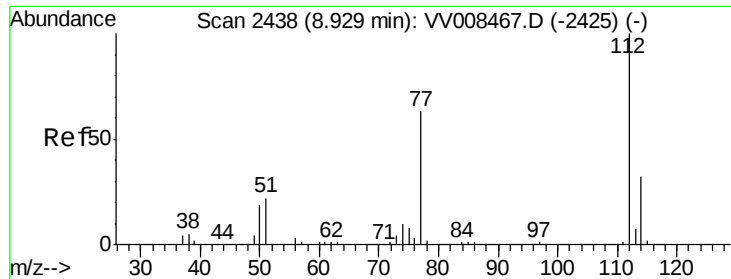
#49
Dibromochloromethane
Concen: 0.997 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV008481.D
Acq: 30 Oct 2018 20:30

Tgt Ion:129 Resp: 1406
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

Chlorobenzene

Concen: 51.135 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008481.D

Acq: 30 Oct 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

ETBQ9MSD

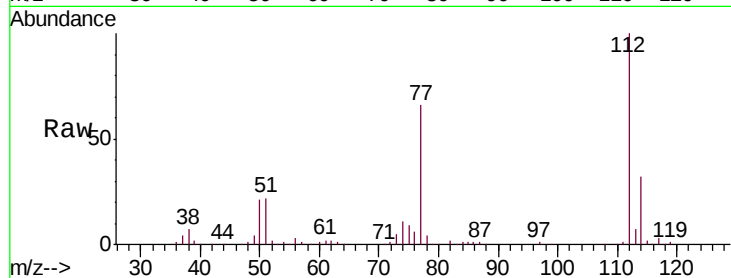
Tgt Ion:112 Resp: 175691

Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 65.6 52.0 78.0



Abundance Ion 112.00 (111.70 to 112.70): V

150000 Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

