

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062718\
 Data File : VV006477.D
 Acq On : 27 Jun 2018 09:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Quant Time: Jun 28 01:15:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 27 02:22:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	347666	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	314575	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	152127	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86236	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.59	69	74408	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.13	63	163845	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	205349	47.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.88%
24) Chloroform-d	4.41	84	167662	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.09	65	78776	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.10	84	342552	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.12	67	106231	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.36	98	319400	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.67	79	35767	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.14	63	169256	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	67193	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	120020	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	118647	4.657 ug/L	98
3) Chloromethane	1.26	50	118911	4.553 ug/L	100
5) Vinyl chloride	1.32	62	129021	4.547 ug/L	99
6) Bromomethane	1.54	94	75689	4.605 ug/L	99
8) Chloroethane	1.60	64	80271	4.460 ug/L	99
9) Trichlorofluoromethane	1.77	101	158075	4.634 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104026	4.855 ug/L	99
12) 1,1-Dichloroethene	2.14	96	96116	4.571 ug/L	96
13) Acetone	2.22	43	132303	50.390 ug/L	97
14) Carbon disulfide	2.32	76	248022	4.177 ug/L	100
15) Methyl Acetate	2.47	43	37710	4.878 ug/L	98
16) Methylene chloride	2.54	84	106151	4.310 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	232090	4.554 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	105021	4.563 ug/L	100
19) 1,1-Dichloroethane	3.23	63	188792	4.605 ug/L	100
21) 2-Butanone	4.06	43	213565	45.008 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	115486	4.562 ug/L	100

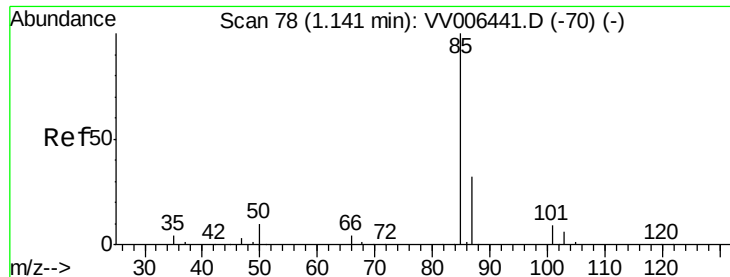
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062718\
 Data File : VV006477.D
 Acq On : 27 Jun 2018 09:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Quant Time: Jun 28 01:15:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 27 02:22:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46219	4.494	ug/L	98
25) Chloroform	4.43	83	190975	4.622	ug/L	99
27) 1,2-Dichloroethane	5.19	62	104478	4.500	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	155346	4.528	ug/L	100
30) Cyclohexane	4.73	56	157191	4.585	ug/L	100
31) Carbon tetrachloride	4.88	117	129757	4.510	ug/L	99
33) Benzene	5.15	78	433266	4.664	ug/L	100
34) Trichloroethene	5.96	95	120354	4.529	ug/L	99
35) Methylcyclohexane	6.18	83	180771	4.678	ug/L	98
37) 1,2-Dichloropropane	6.23	63	105098	4.629	ug/L	100
38) Bromodichloromethane	6.56	83	114949	4.399	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	142617	4.514	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	506956	45.890	ug/L	99
42) Toluene	7.44	91	455270	4.627	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	109691	4.427	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	71684	4.572	ug/L	99
47) Tetrachloroethene	8.02	164	92374	4.601	ug/L	99
48) 2-Hexanone	8.19	43	369650	46.511	ug/L	99
49) Dibromochloromethane	8.30	129	74969	4.485	ug/L	98
50) 1,2-Dibromoethane	8.40	107	64942	4.607	ug/L	97
51) Chlorobenzene	8.93	112	300081	4.610	ug/L	99
52) Ethylbenzene	9.06	91	497281	4.669	ug/L	100
53) m,p-xylene	9.19	106	193068	4.700	ug/L	98
54) o-xylene	9.59	106	188102	4.668	ug/L	99
55) Styrene	9.61	104	315931	4.792	ug/L	99
56) Isopropylbenzene	9.98	105	493110	4.696	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	64964	4.393	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	57231	4.634	ug/L	100
61) Bromoform	9.78	173	36046	4.222	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	228905	4.568	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	231770	4.624	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	217758	4.643	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8438	4.234	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	178500	4.688	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	132026	4.729	ug/L	100
69) Naphthalene	13.56	128	183410	4.494	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	123309	4.744	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.657 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

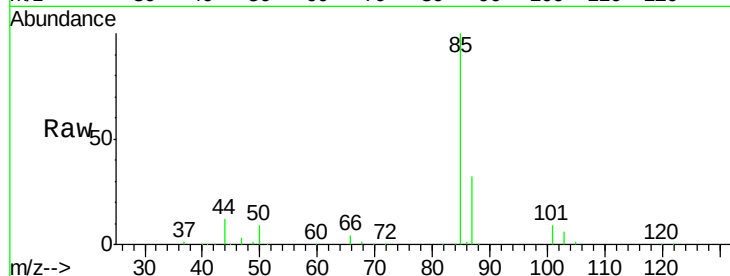
VSTD00564

Tgt Ion: 85 Resp: 118647

Ion Ratio Lower Upper

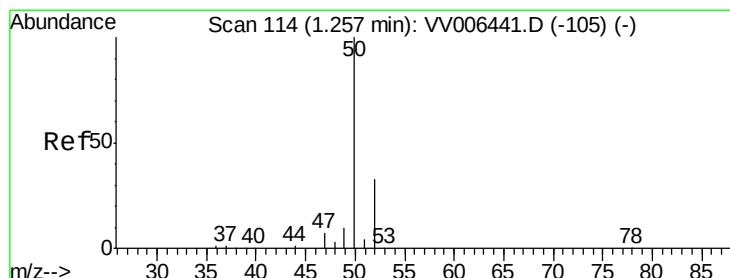
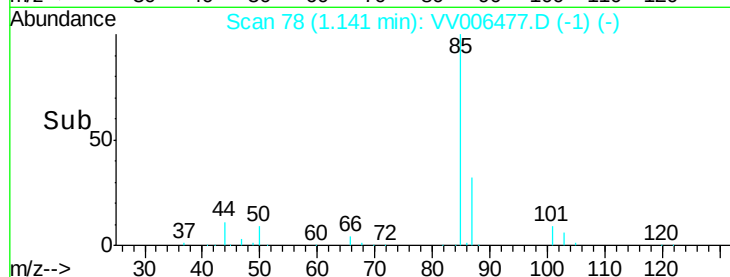
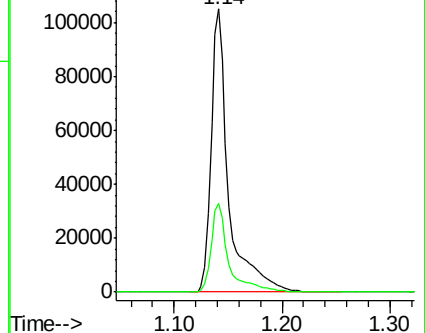
85 100

87 31.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006477.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006477.D (-1) (-)



#3

Chloromethane

Concen: 4.553 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006477.D

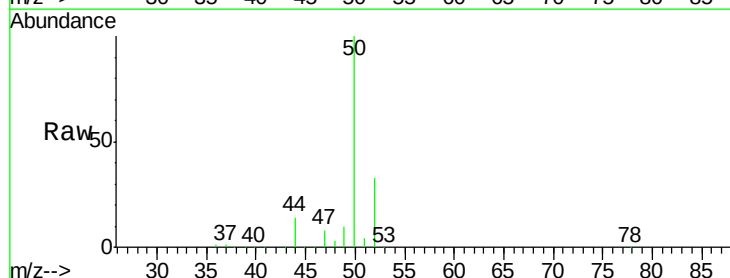
Acq: 27 Jun 2018 09:55

Tgt Ion: 50 Resp: 118911

Ion Ratio Lower Upper

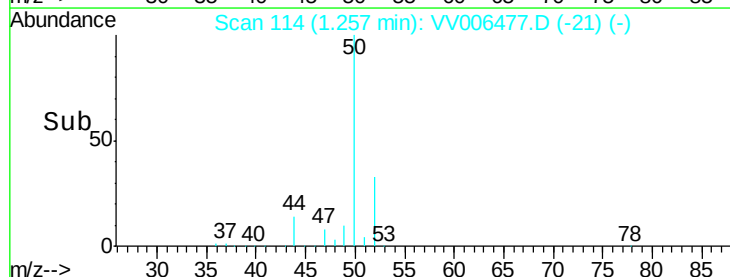
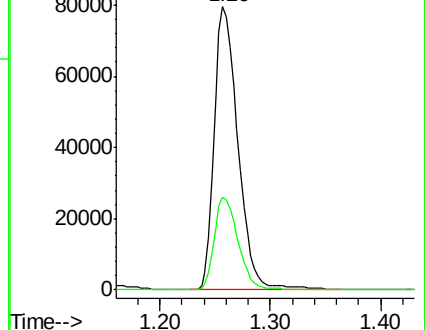
50 100

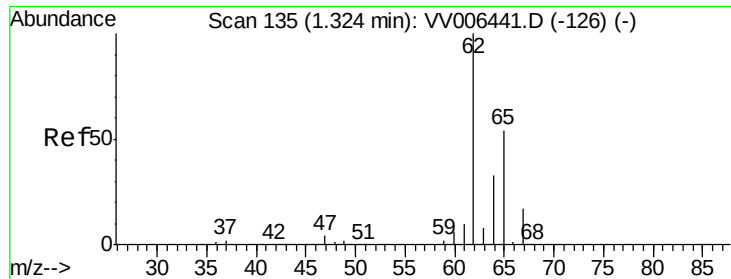
52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006477.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006477.D (-21) (-)





#5

Vinyl chloride

Concen: 4.547 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

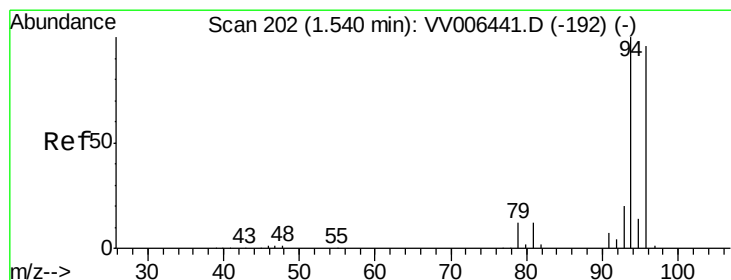
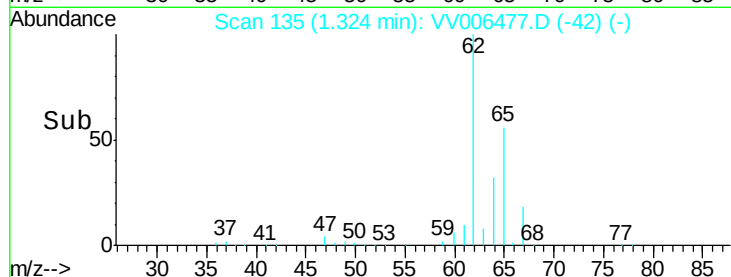
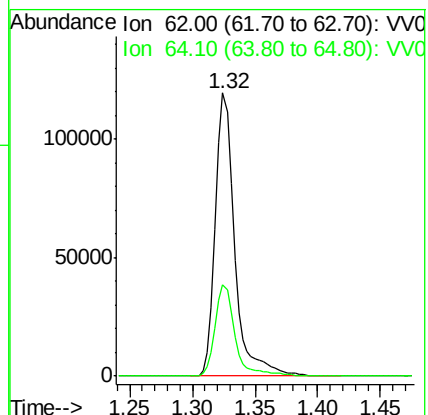
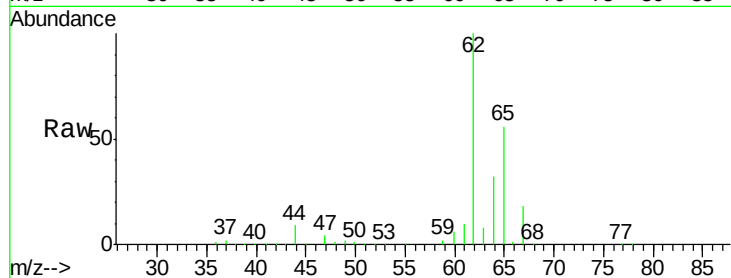
VSTD00564

Tgt Ion: 62 Resp: 129021

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



#6

Bromomethane

Concen: 4.605 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006477.D

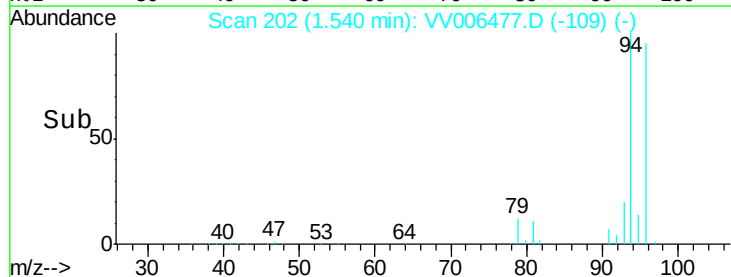
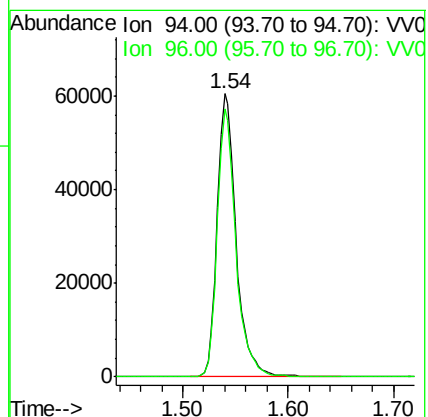
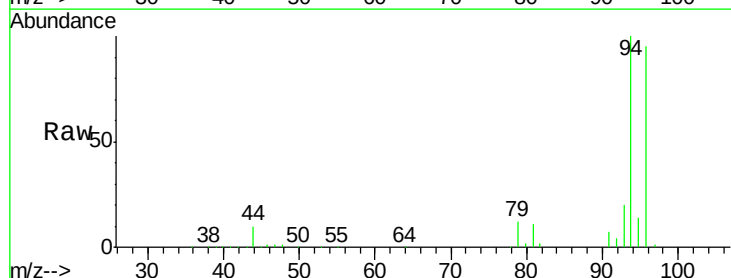
Acq: 27 Jun 2018 09:55

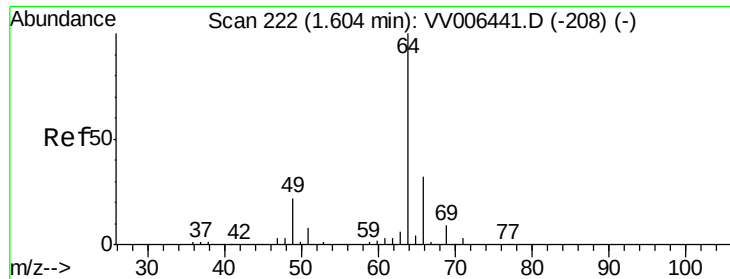
Tgt Ion: 94 Resp: 75689

Ion Ratio Lower Upper

94 100

96 94.5 65.7 122.1





#8

Chloroethane

Concen: 4.460 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

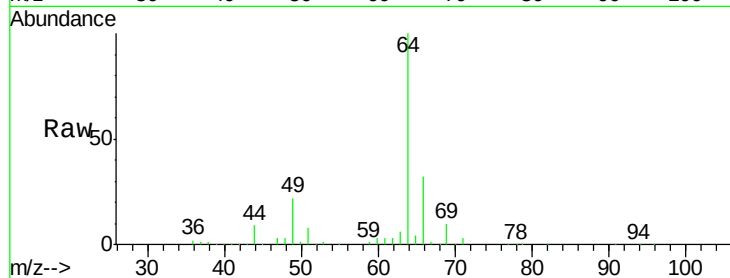
VSTD00564

Tgt Ion: 64 Resp: 80271

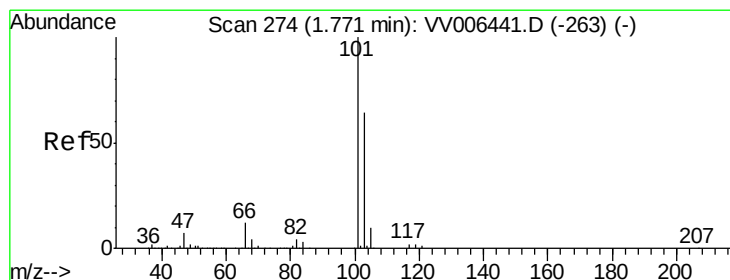
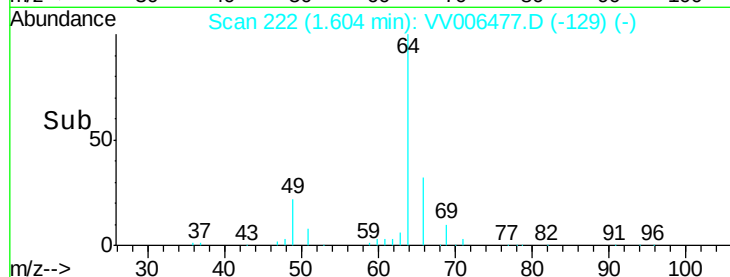
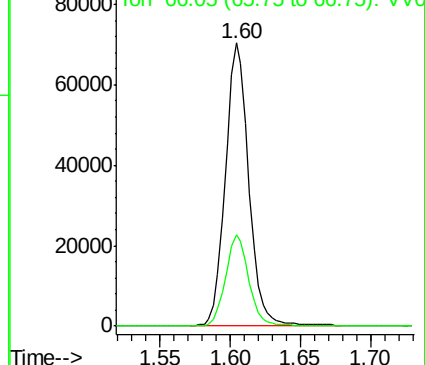
Ion Ratio Lower Upper

64 100

66 32.1 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006477.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.634 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006477.D

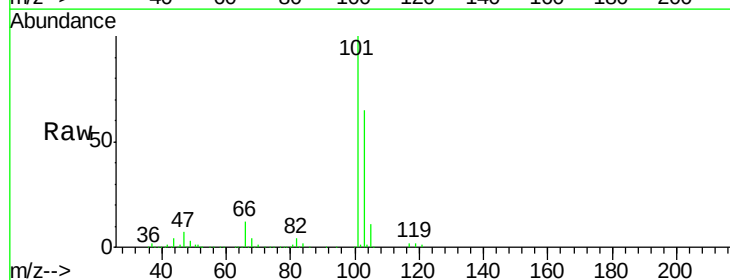
Acq: 27 Jun 2018 09:55

Tgt Ion: 101 Resp: 158075

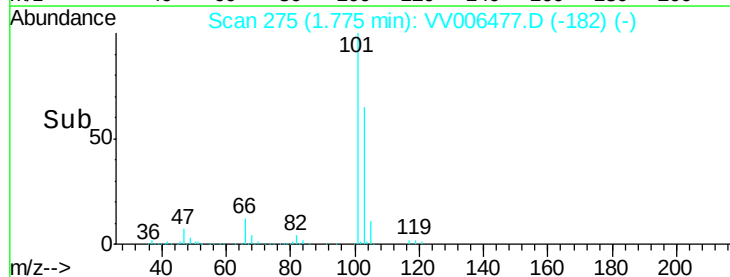
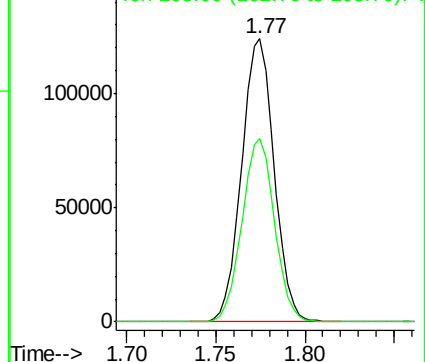
Ion Ratio Lower Upper

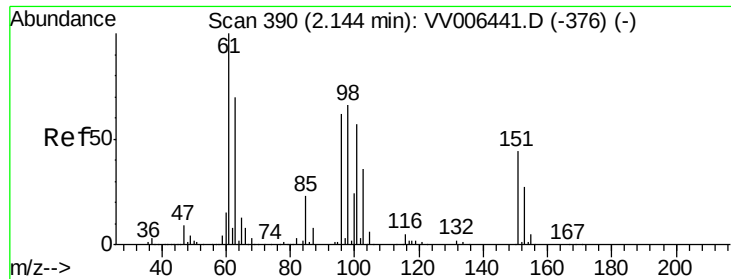
101 100

103 64.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006477.D (-182) (-)





#10

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

Concen: 4.855 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

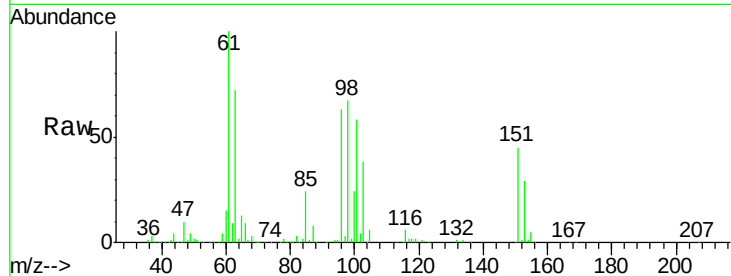
Tgt Ion: 101 Resp: 104026

Ion Ratio Lower Upper

101 100

85 40.6 33.1 49.7

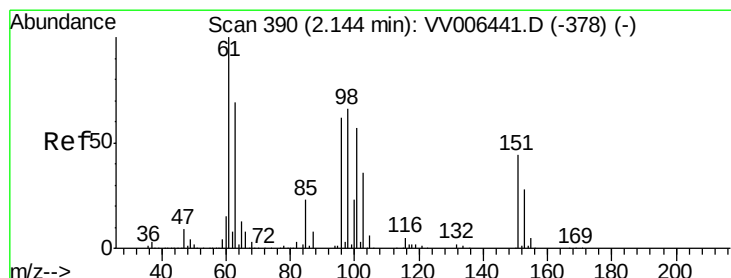
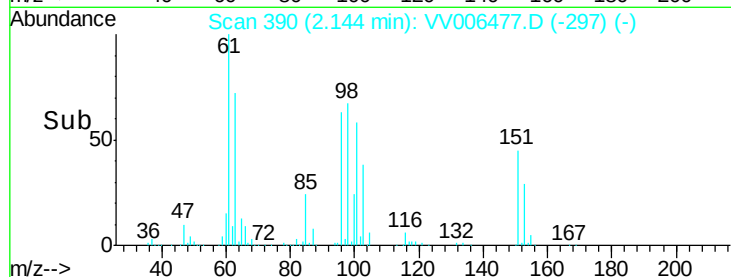
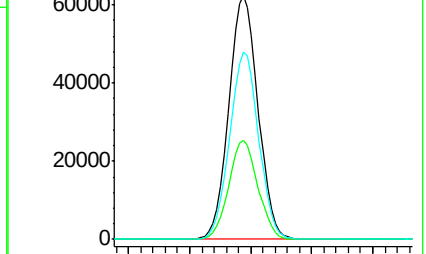
151 76.5 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006441.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006441.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006441.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 4.571 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

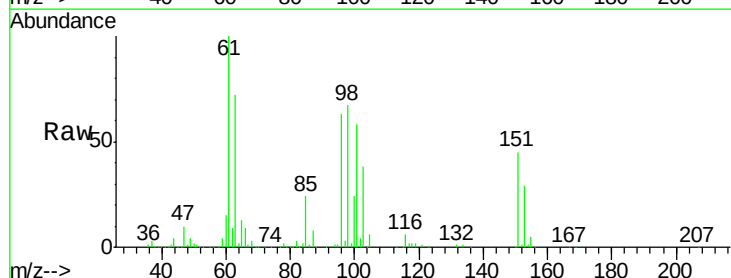
Tgt Ion: 96 Resp: 96116

Ion Ratio Lower Upper

96 100

61 158.7 111.4 207.0

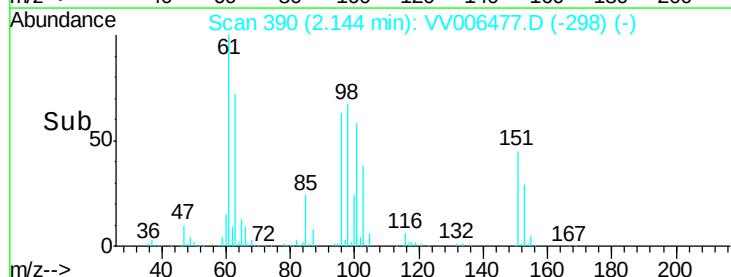
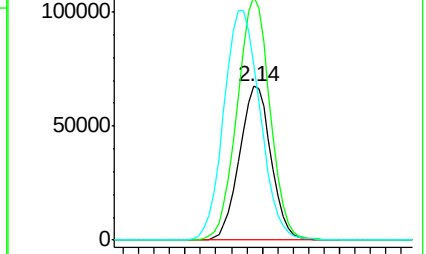
63 114.9 87.4 162.2

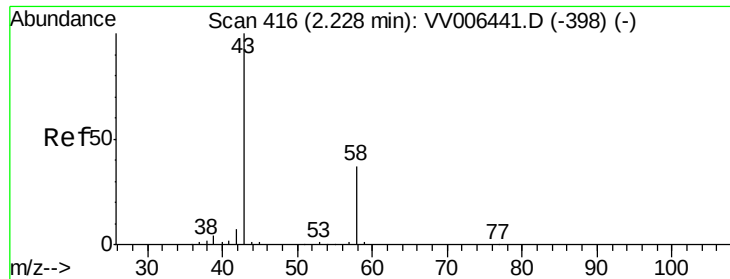


Abundance Ion 96.00 (95.70 to 96.70): VV006441.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV006441.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VV006441.D (-378) (-)





#13

Acetone

Concen: 50.390 ug/L

RT: 2.22 min Scan# 415

Delta R.T. 0.01 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

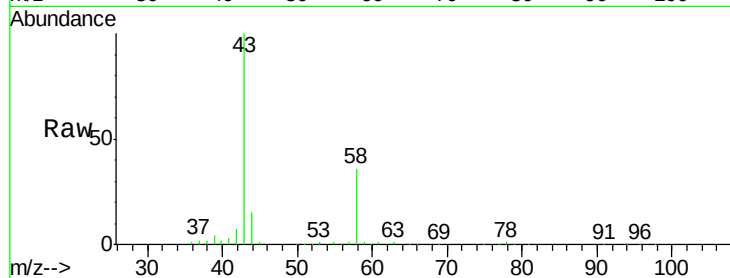
VSTD00564

Tgt Ion: 43 Resp: 132303

Ion Ratio Lower Upper

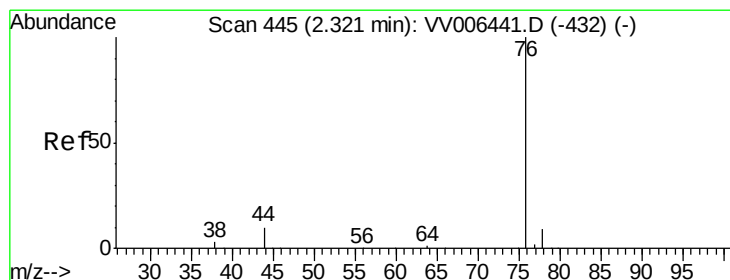
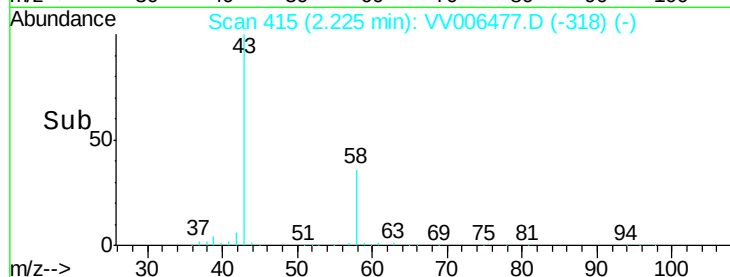
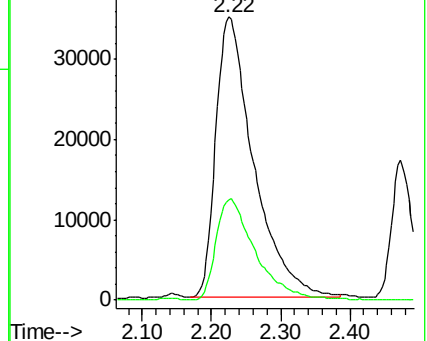
43 100

58 37.2 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.177 ug/L

RT: 2.32 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV006477.D

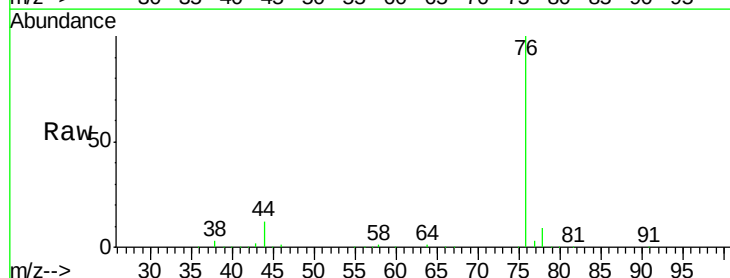
Acq: 27 Jun 2018 09:55

Tgt Ion: 76 Resp: 248022

Ion Ratio Lower Upper

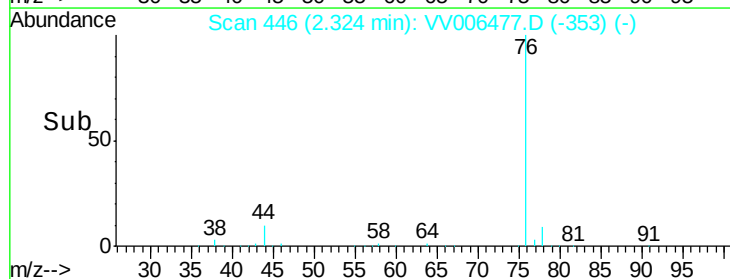
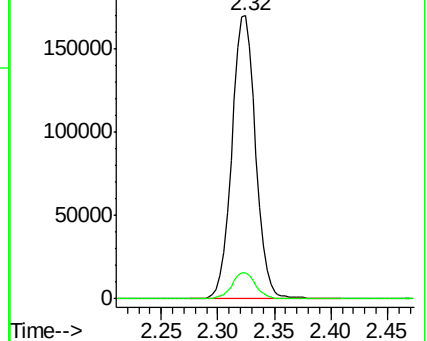
76 100

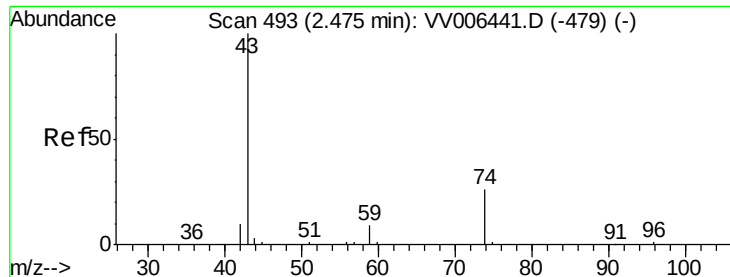
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

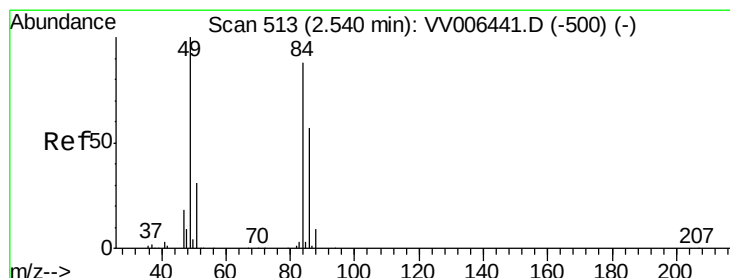
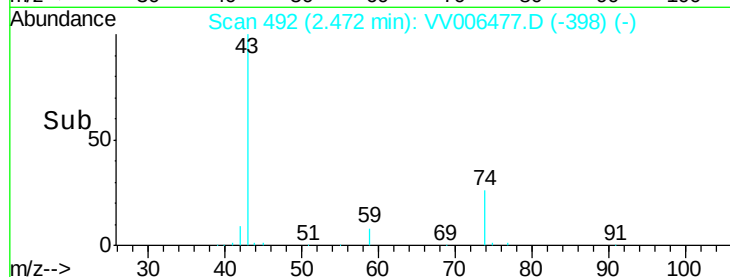
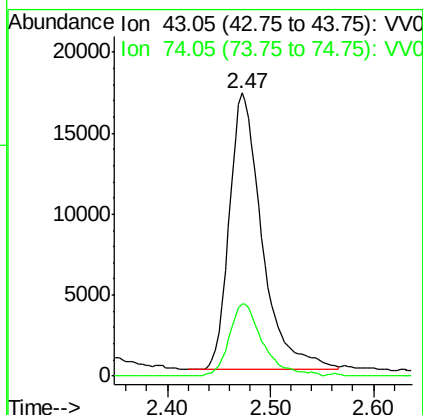
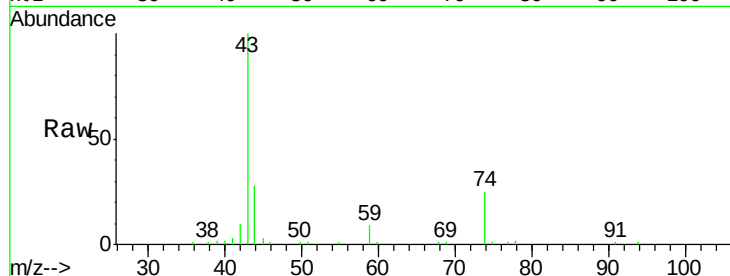




#15
Methyl Acetate
Concen: 4.878 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

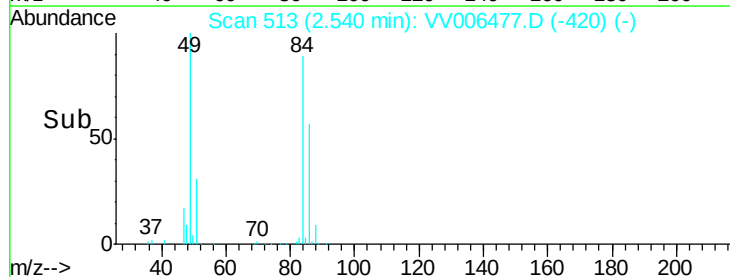
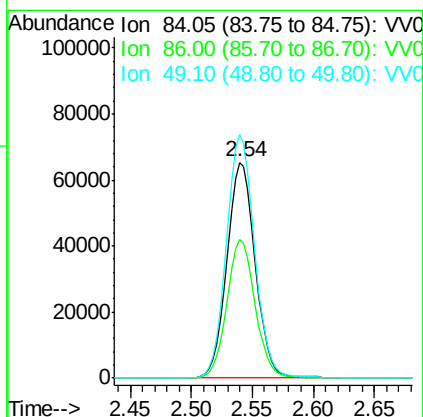
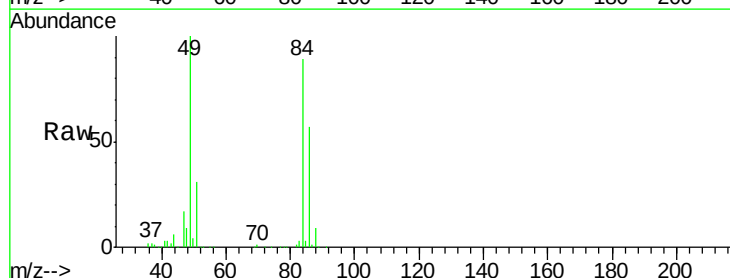
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

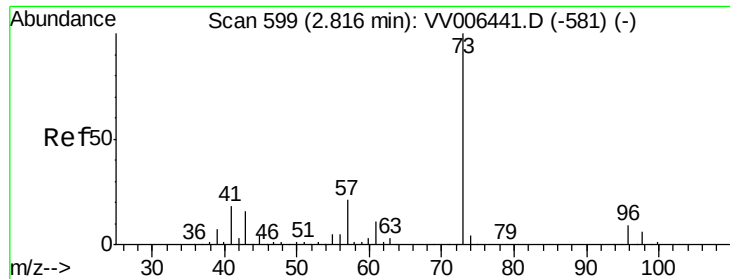
Tgt Ion: 43 Resp: 37710
Ion Ratio Lower Upper
43 100
74 27.0 22.2 33.4



#16
Methylene chloride
Concen: 4.310 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Tgt Ion: 84 Resp: 106151
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.2
49 112.9 79.0 146.8

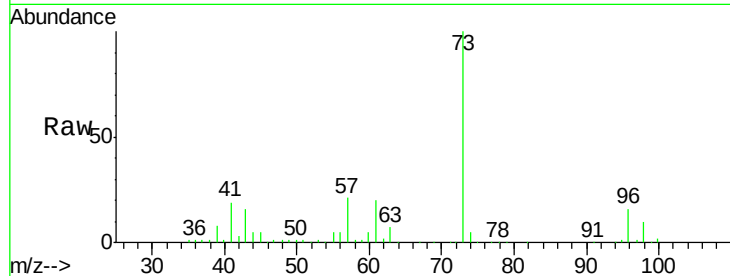




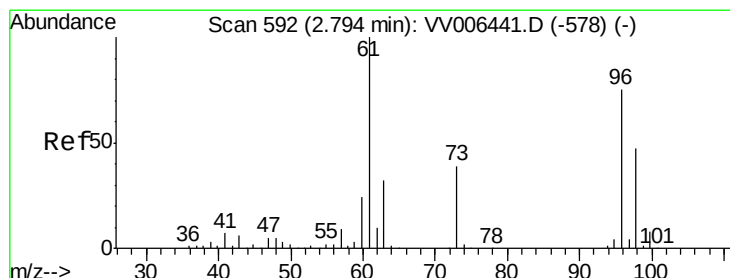
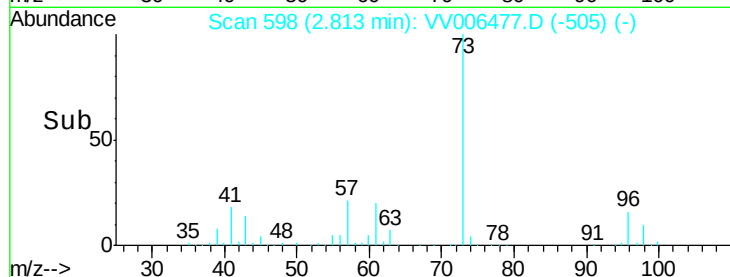
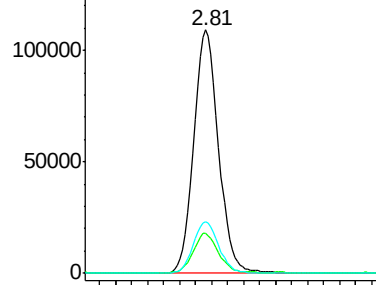
#17
Methyl tert-butyl Ether
Concen: 4.554 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 73 Resp: 232090
Ion Ratio Lower Upper
73 100
43 16.1 12.9 19.3
57 21.8 17.5 26.3

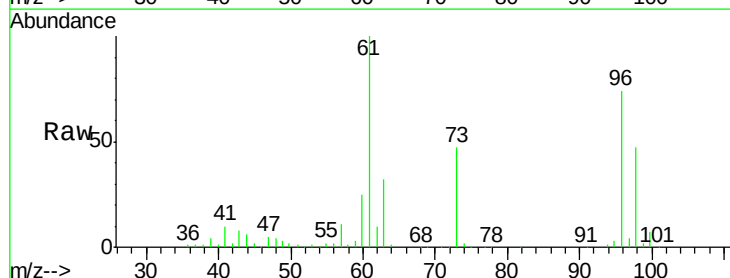


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

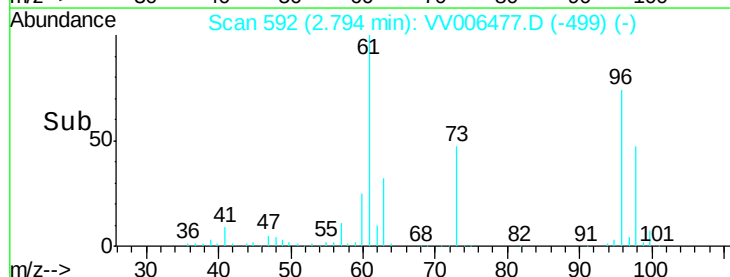
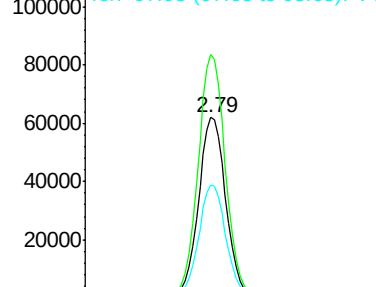


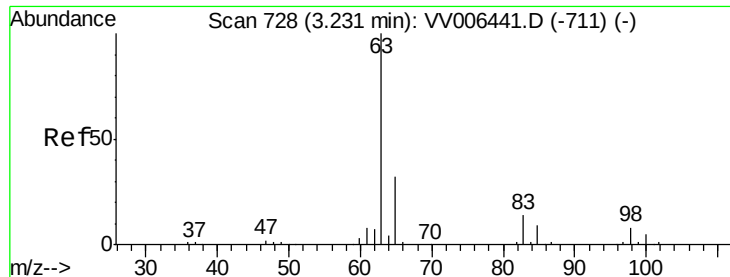
#18
trans-1,2-Dichloroethene
Concen: 4.563 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Tgt Ion: 96 Resp: 105021
Ion Ratio Lower Upper
96 100
61 134.9 94.4 175.2
98 62.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

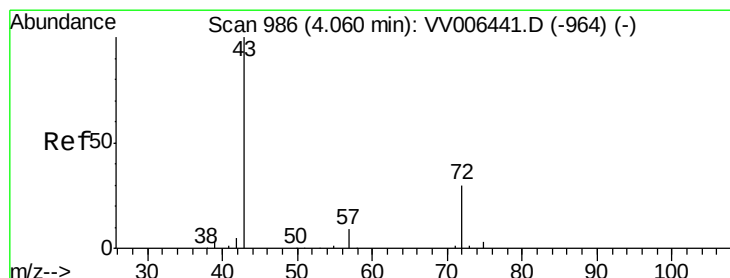
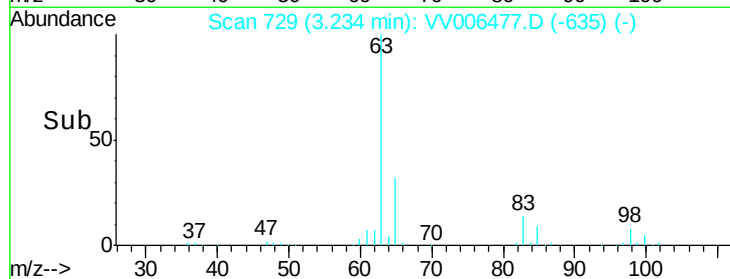
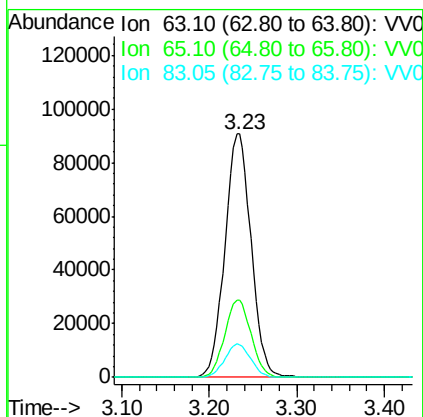
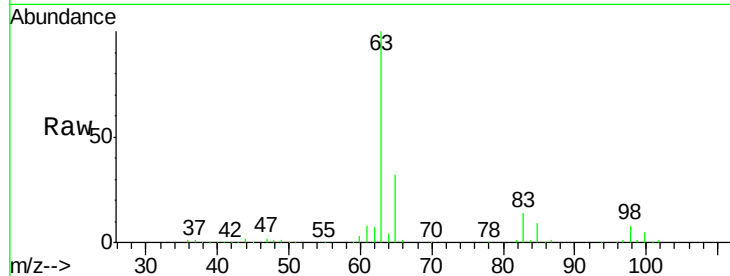




#19
 1,1-Dichloroethane
 Concen: 4.605 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

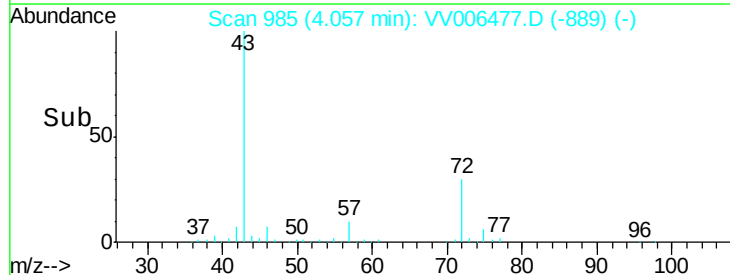
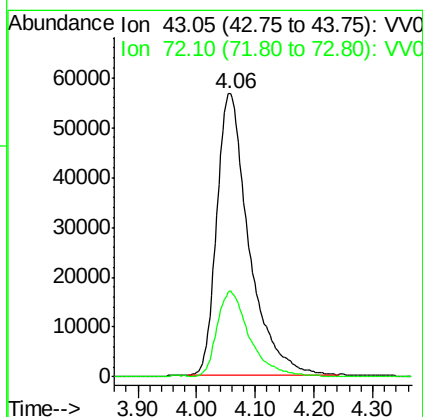
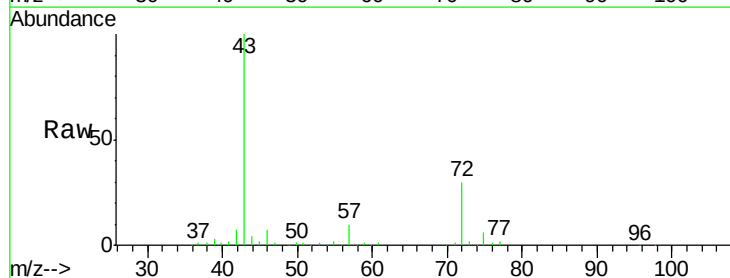
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

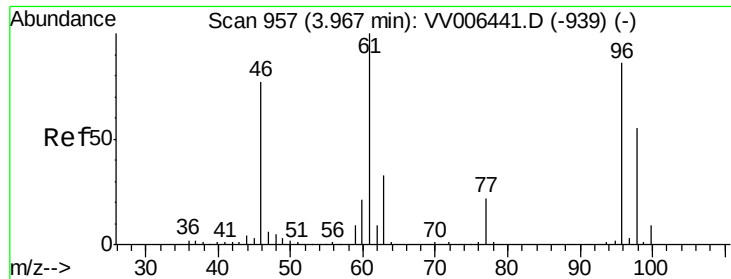
Tgt Ion: 63 Resp: 188792
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.6 9.2 17.2



#21
 2-Butanone
 Concen: 45.008 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 43 Resp: 213565
 Ion Ratio Lower Upper
 43 100
 72 31.4 15.4 46.1



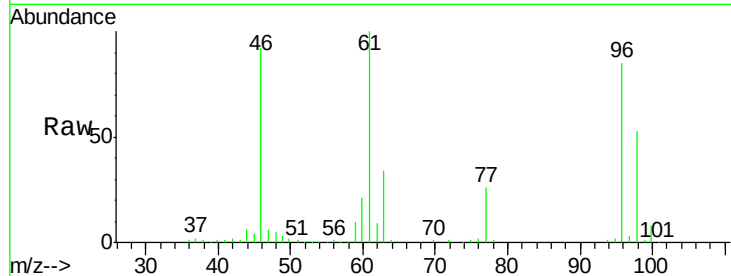


#22

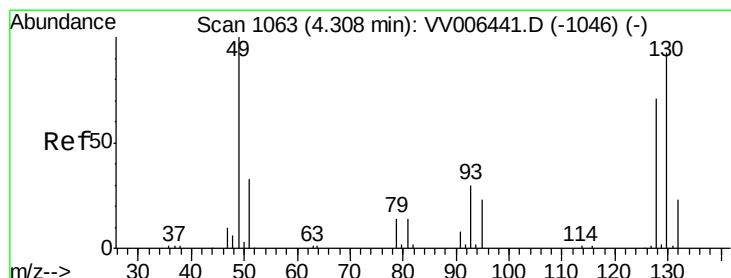
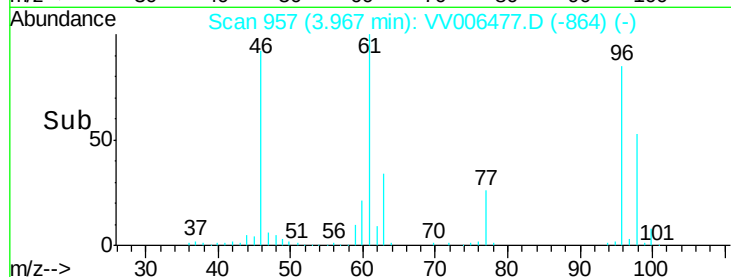
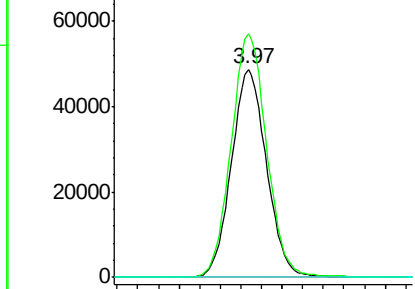
cis-1,2-Dichloroethene
 Concen: 4.562 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 96 Resp: 115486
 Ion Ratio Lower Upper
 96 100
 61 117.1 81.8 151.8
 68 0.0 0.0 0.0



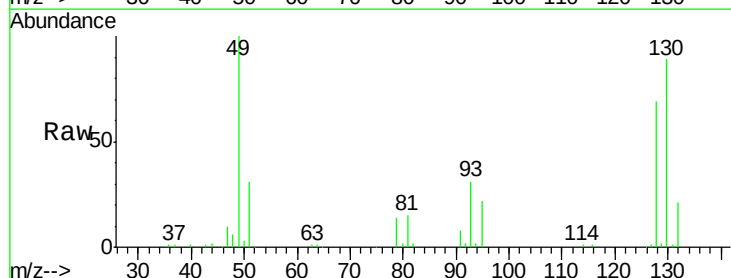
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



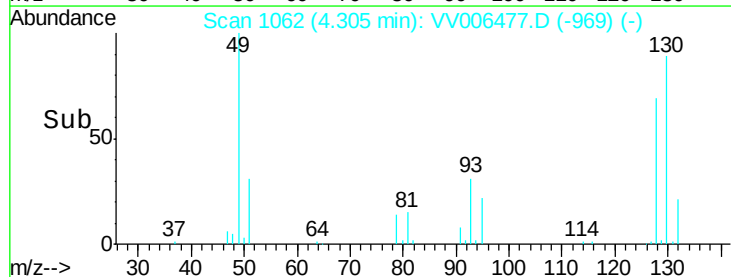
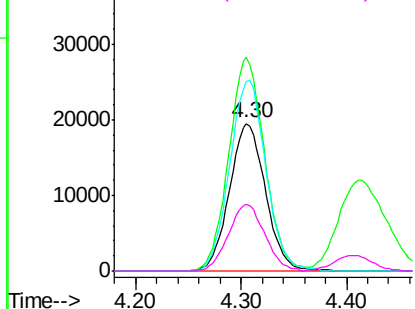
#23

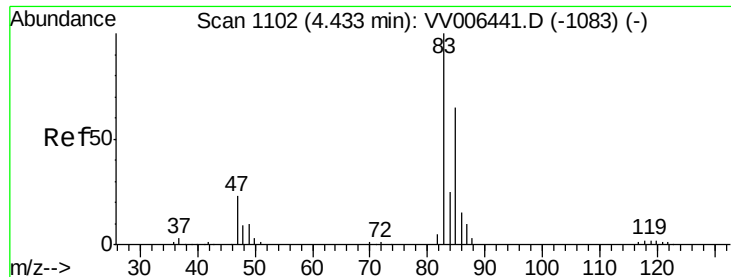
Bromochloromethane
 Concen: 4.494 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 128 Resp: 46219
 Ion Ratio Lower Upper
 128 100
 49 144.8 101.2 188.0
 130 128.5 93.0 172.6
 51 45.3 37.0 55.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

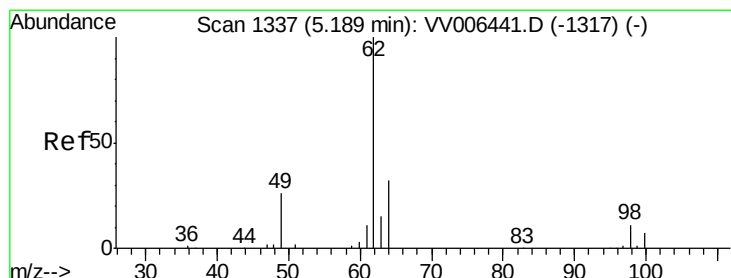
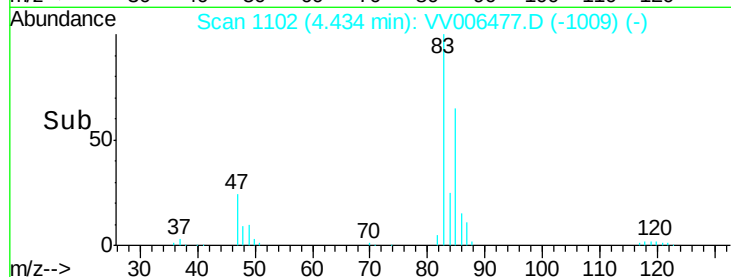
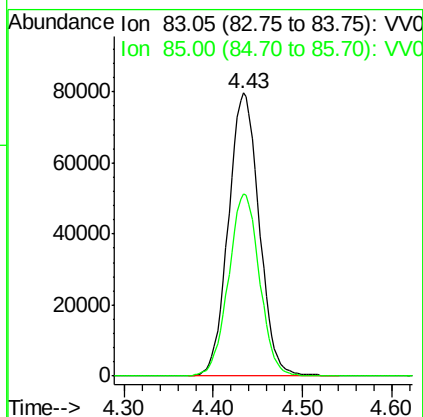
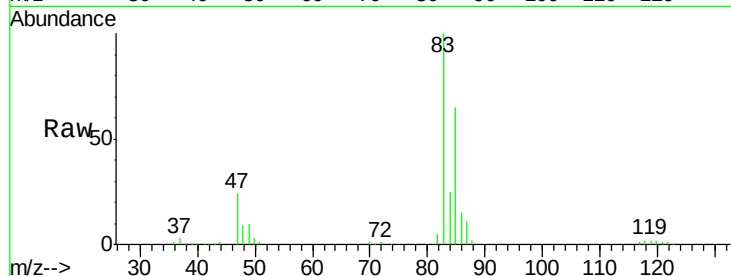




#25
Chloroform
Concen: 4.622 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

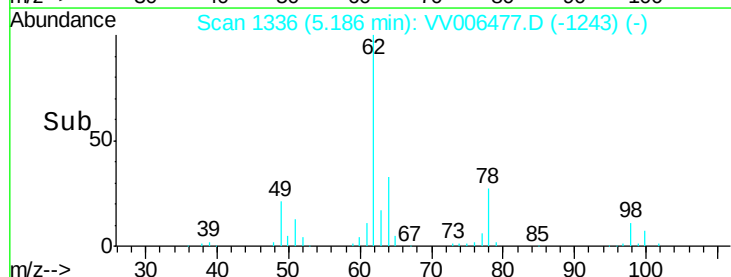
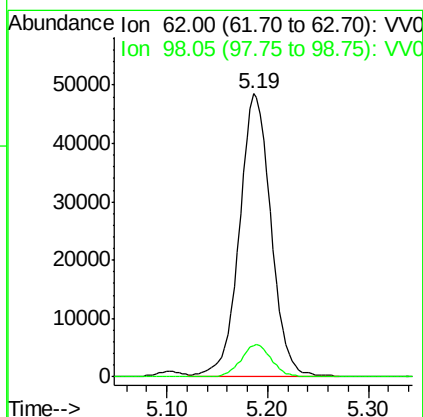
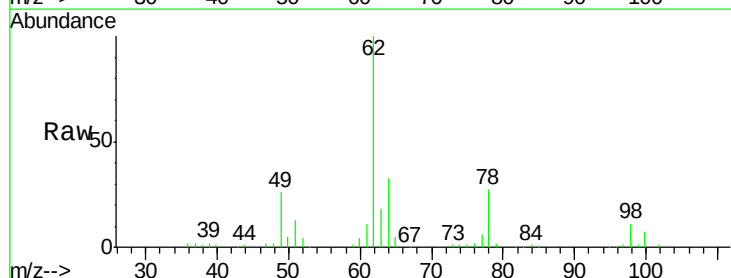
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

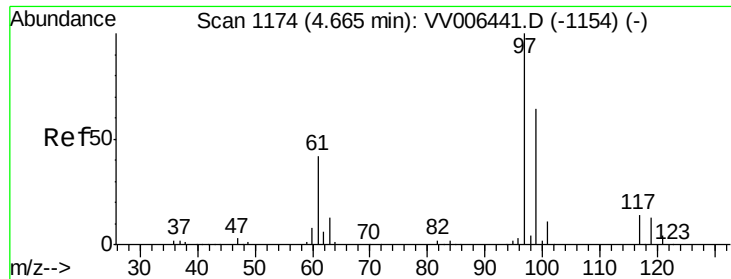
Tgt Ion: 83 Resp: 190975
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.500 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Tgt Ion: 62 Resp: 104478
Ion Ratio Lower Upper
62 100
98 11.2 8.8 13.2

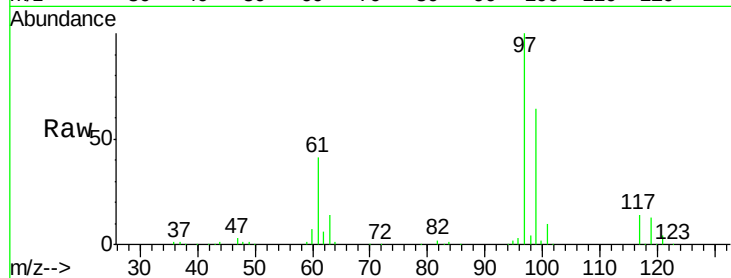




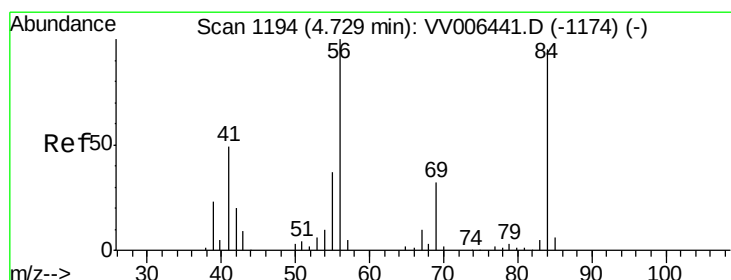
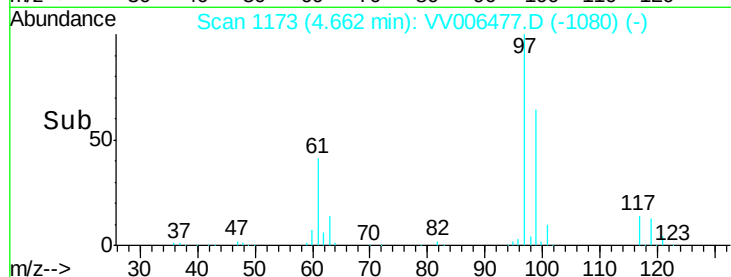
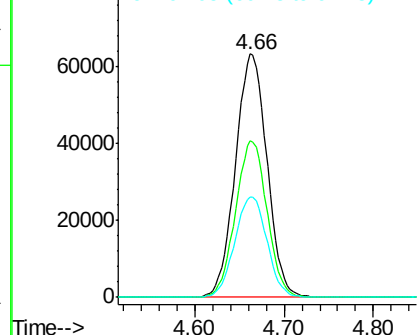
#29
 1,1,1-Trichloroethane
 Concen: 4.528 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 97 Resp: 155346
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 42.1 33.8 50.6

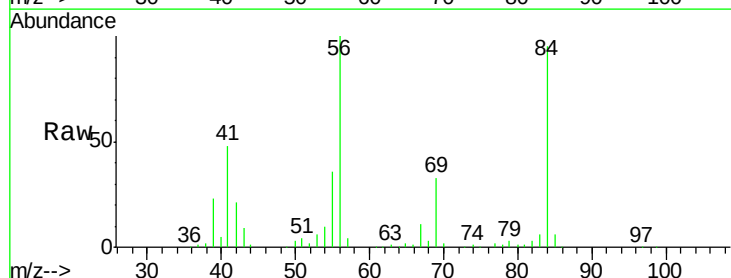


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

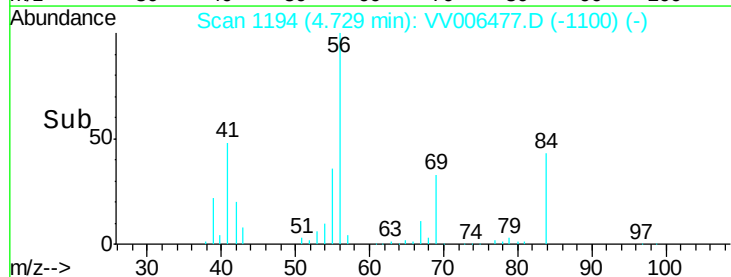
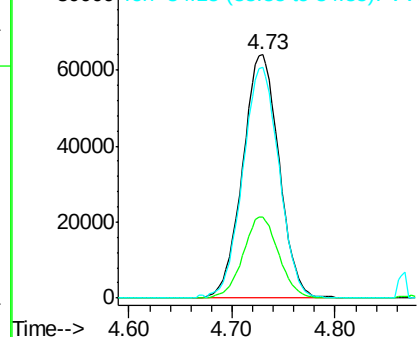


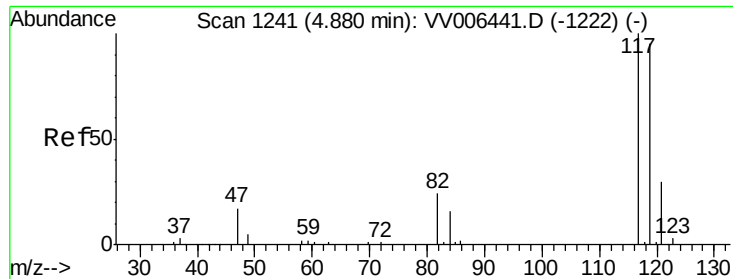
#30
 Cyclohexane
 Concen: 4.585 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 56 Resp: 157191
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.6 38.4
 84 94.5 75.4 113.0



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.510 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

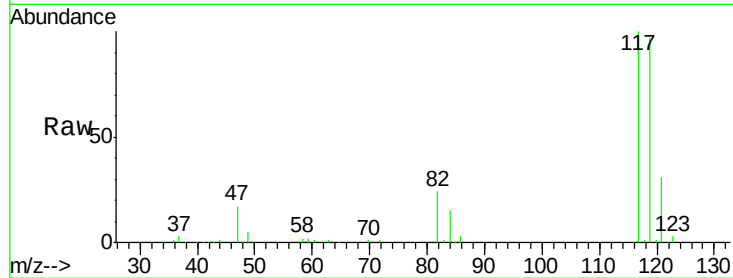
VSTD00564

Tgt Ion:117 Resp: 129757

Ion Ratio Lower Upper

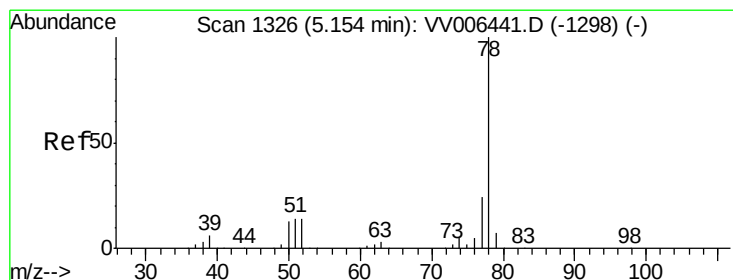
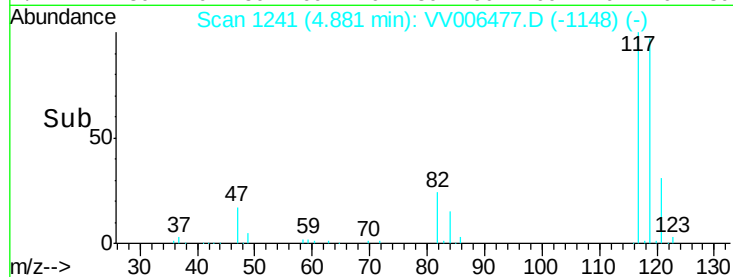
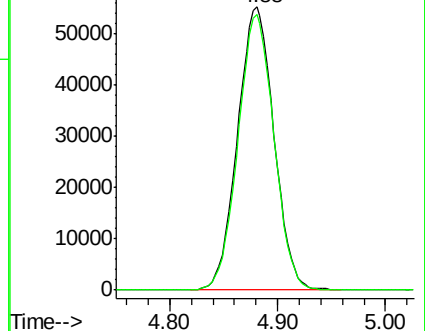
117 100

119 96.1 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.664 ug/L

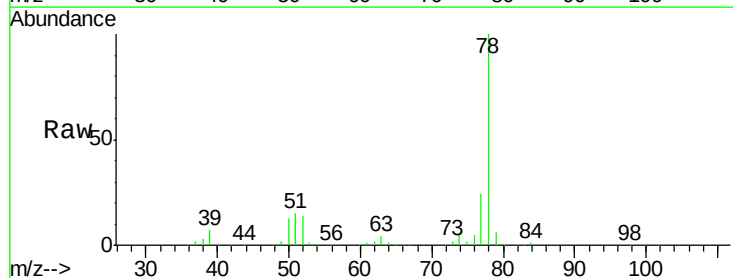
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

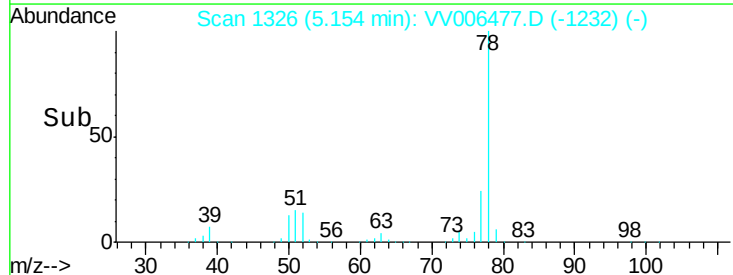
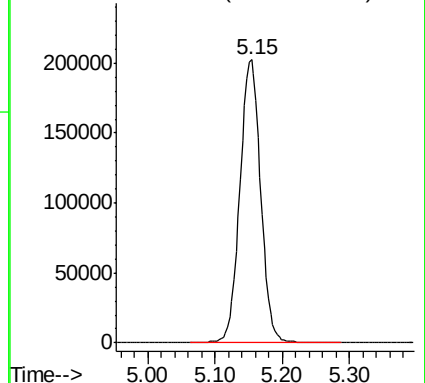
Lab File: VV006477.D

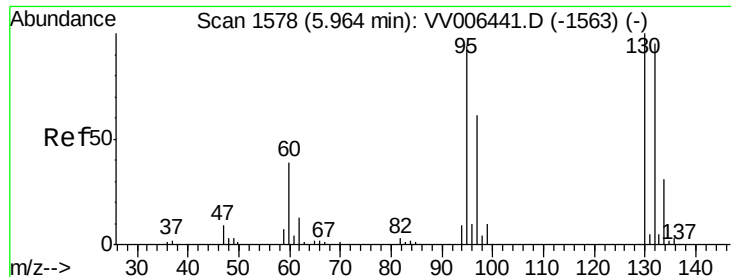
Acq: 27 Jun 2018 09:55

Tgt Ion: 78 Resp: 433266



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.529 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 120354

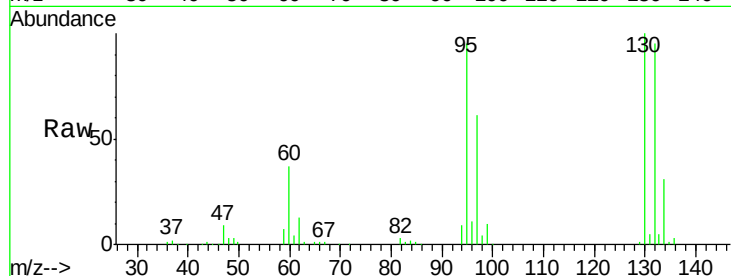
Ion Ratio Lower Upper

95 100

97 64.5 44.6 82.8

132 100.2 70.1 130.1

130 105.5 73.3 136.1

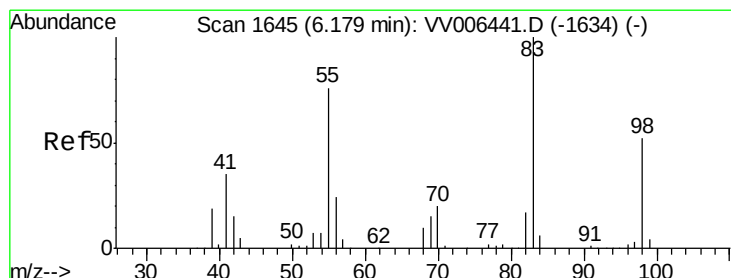
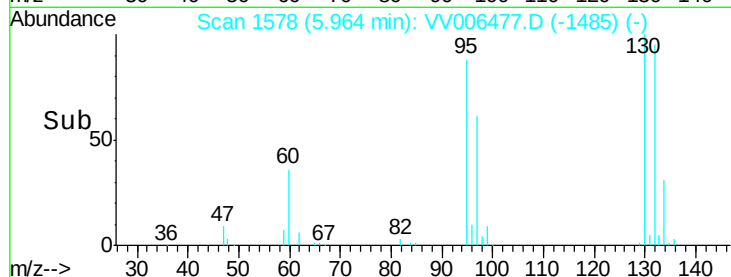
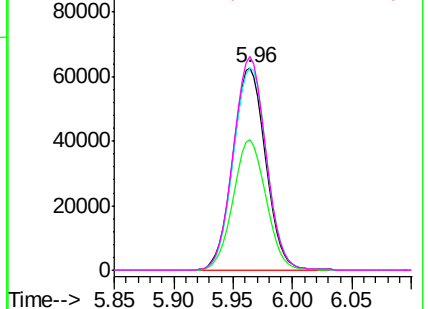


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.678 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

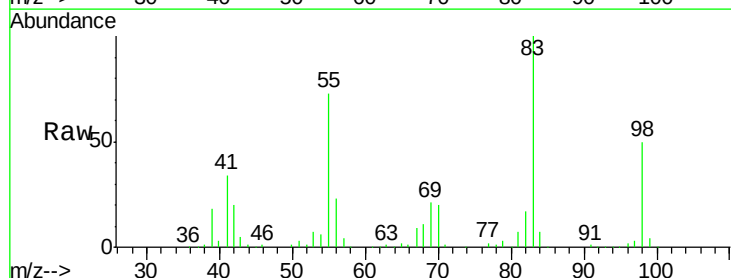
Tgt Ion: 83 Resp: 180771

Ion Ratio Lower Upper

83 100

55 72.3 57.5 86.3

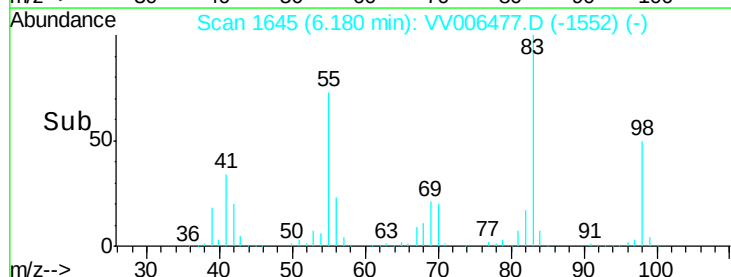
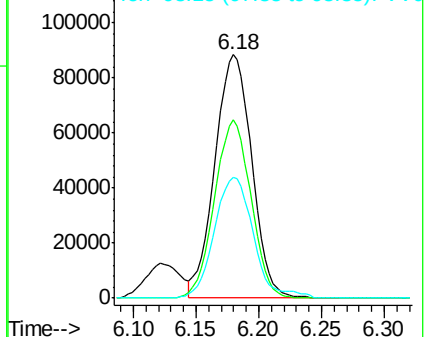
98 52.3 39.6 59.4

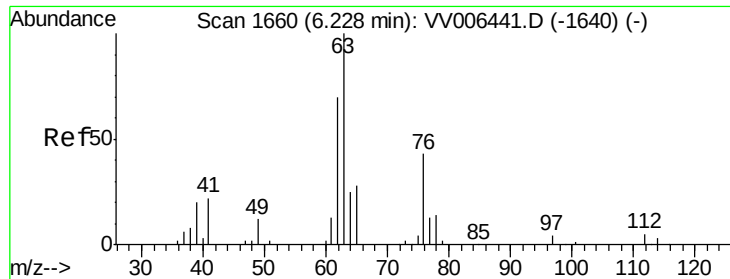


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

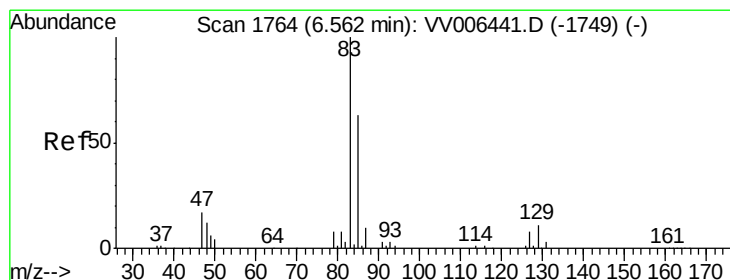
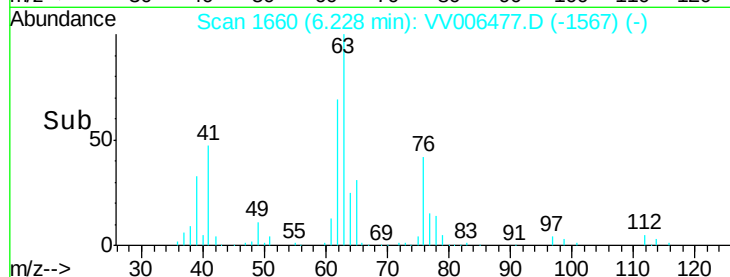
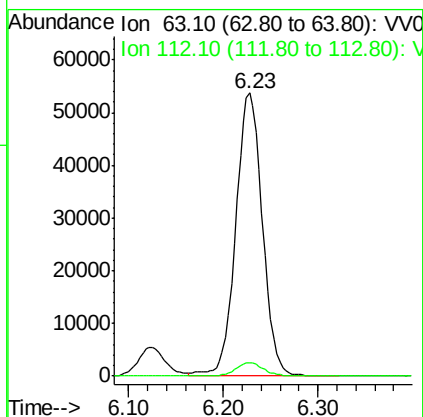
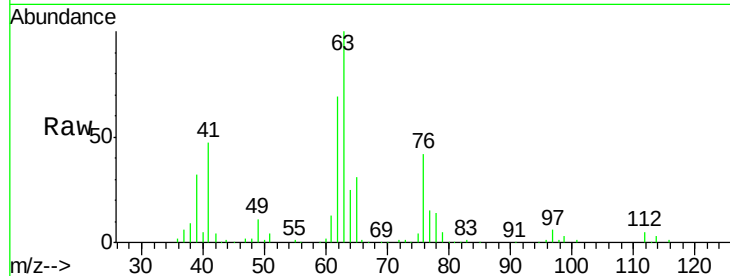




#37
 1,2-Dichloropropane
 Concen: 4.629 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

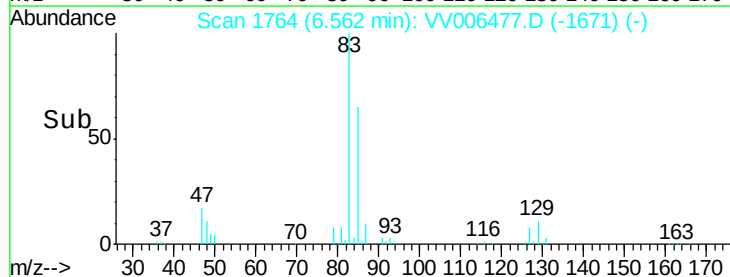
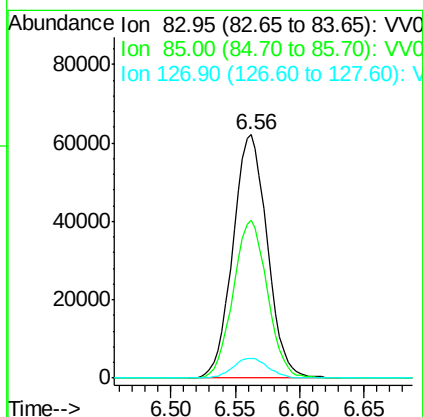
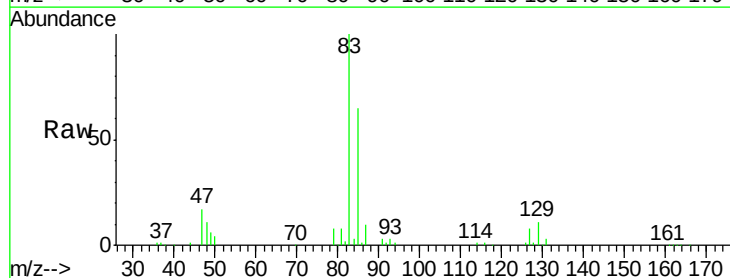
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

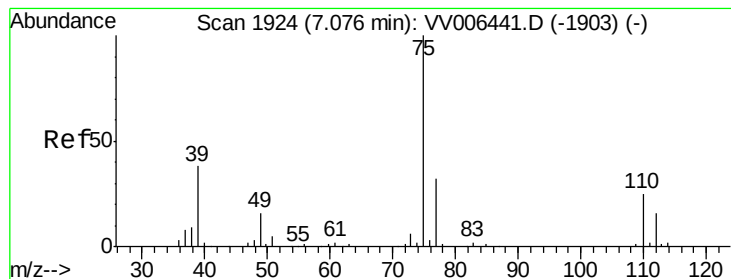
Tgt Ion: 63 Resp: 105098
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.399 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 83 Resp: 114949
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.9
 127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.514 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

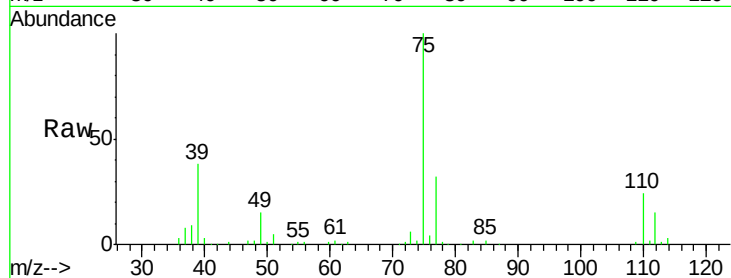
VSTD00564

Tgt Ion: 75 Resp: 142617

Ion Ratio Lower Upper

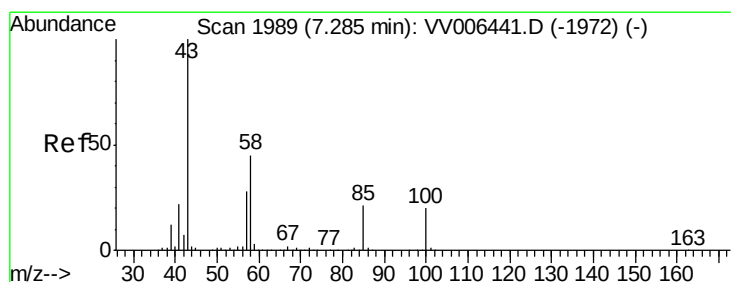
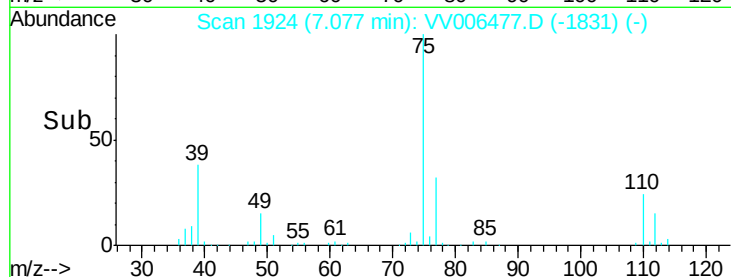
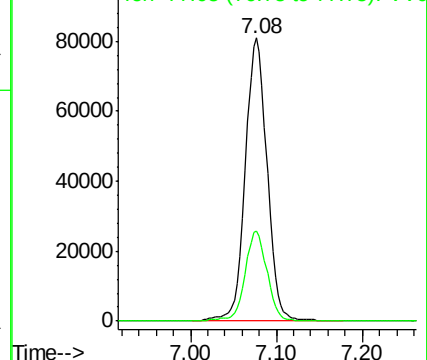
75 100

77 32.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 45.890 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

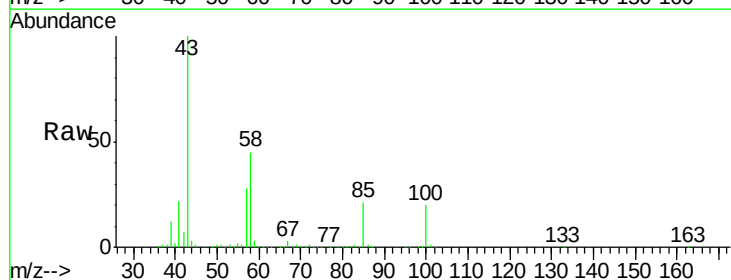
Tgt Ion: 43 Resp: 506956

Ion Ratio Lower Upper

43 100

58 44.8 35.4 53.2

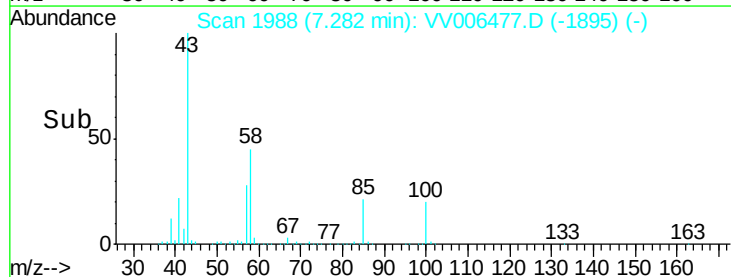
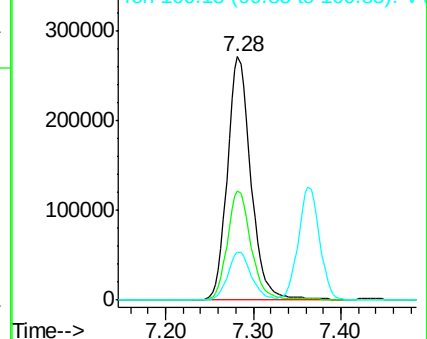
100 19.5 15.5 23.3

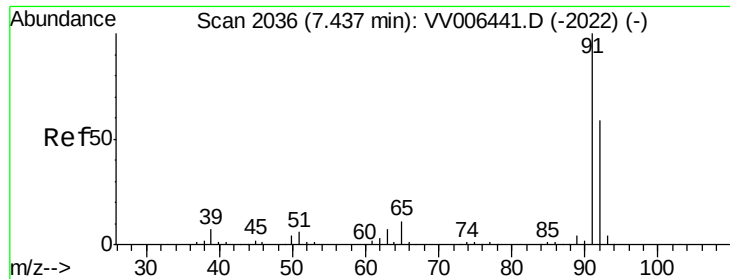


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.627 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

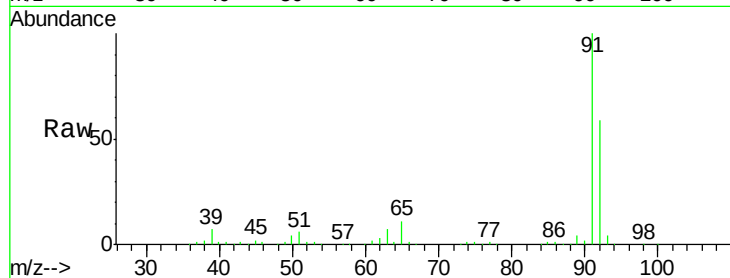
VSTD00564

Tgt Ion: 91 Resp: 455270

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

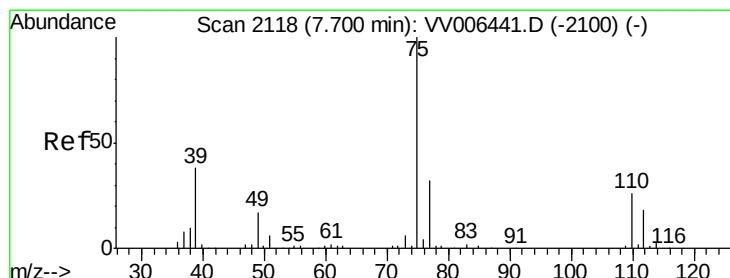
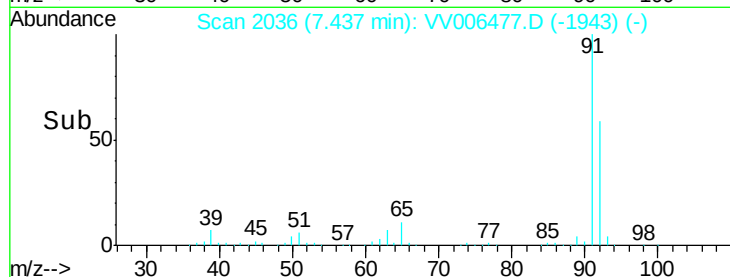
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 4.427 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006477.D

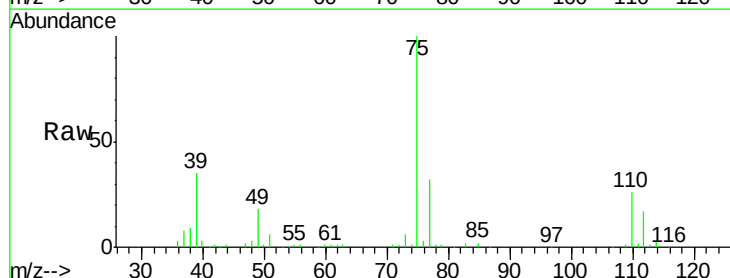
Acq: 27 Jun 2018 09:55

Tgt Ion: 75 Resp: 109691

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

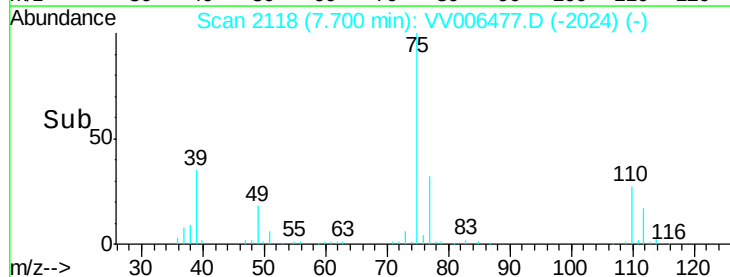
60000

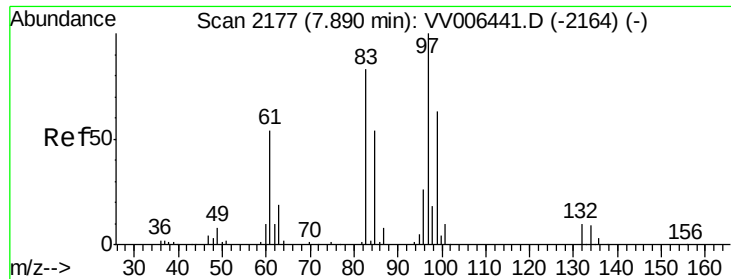
40000

20000

0

Time--> 7.60 7.70 7.80

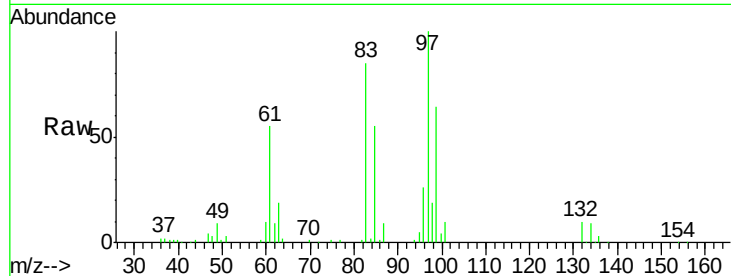




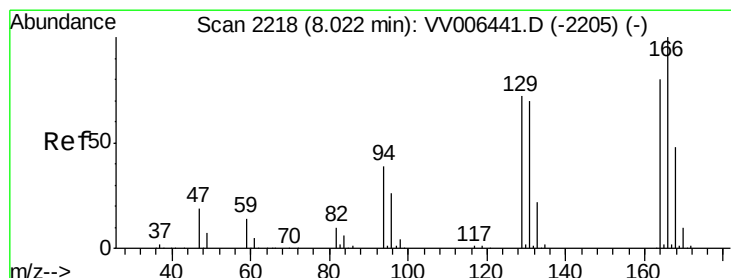
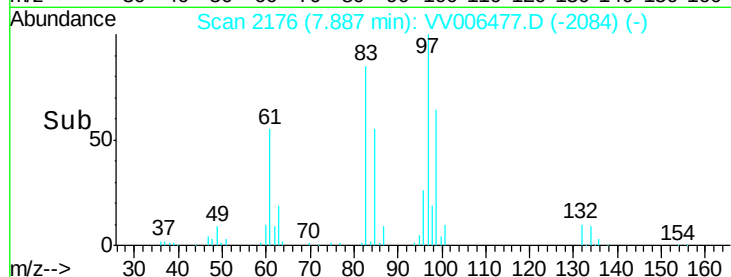
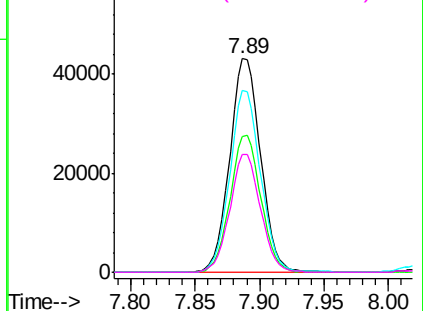
#45
 1,1,2-Trichloroethane
 Concen: 4.572 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	71684
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.2	82.2
83	84.9	59.0	109.6
85	55.1	36.8	68.3

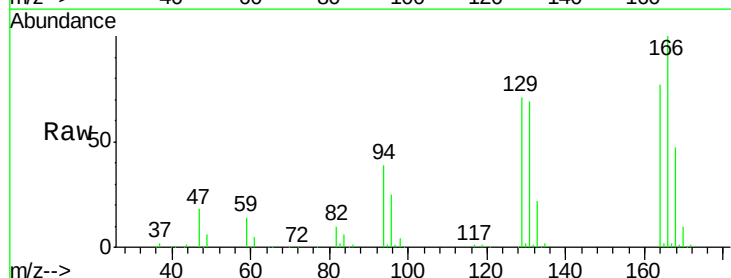


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

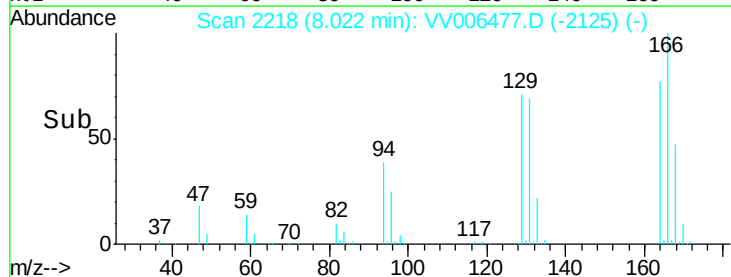
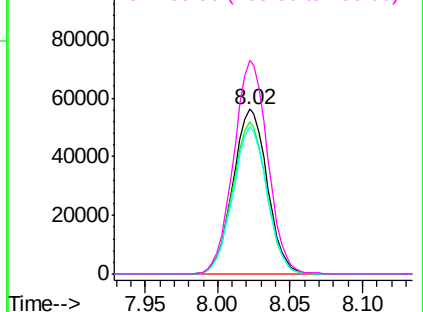


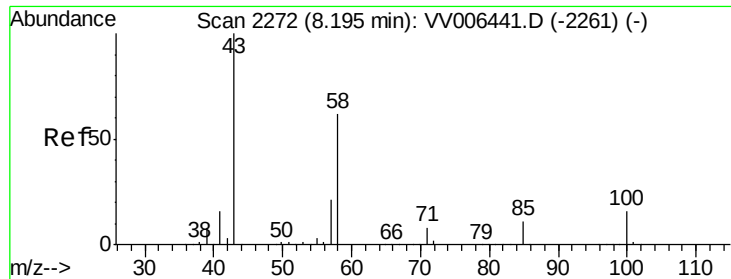
#47
 Tetrachloroethene
 Concen: 4.601 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion:	164	Resp:	92374
Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.0	118.8
131	89.3	61.7	114.5
166	129.5	89.0	165.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

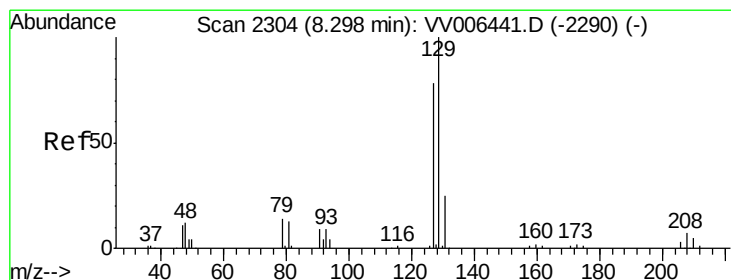
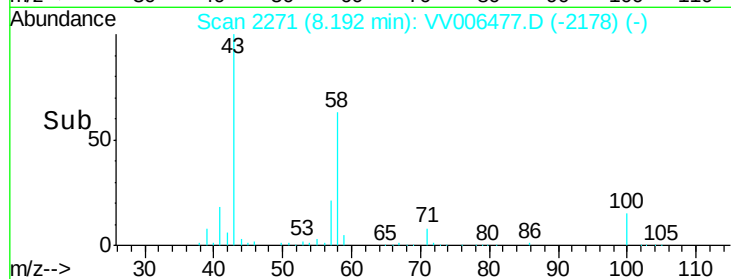
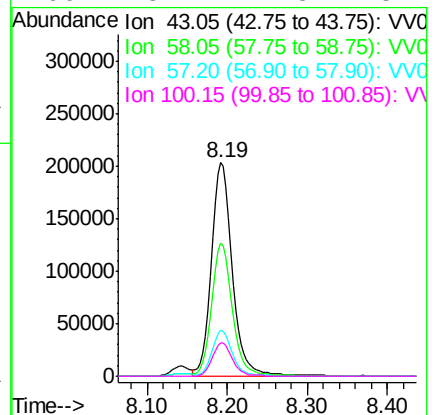
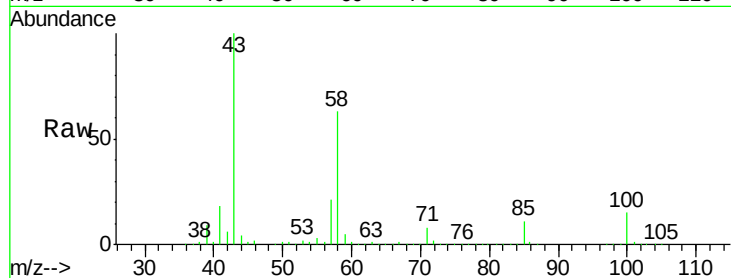




#48
2-Hexanone
Concen: 46.511 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

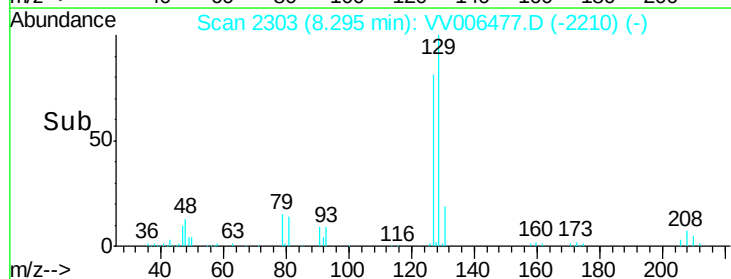
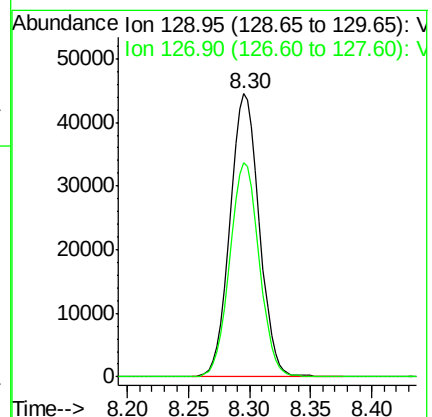
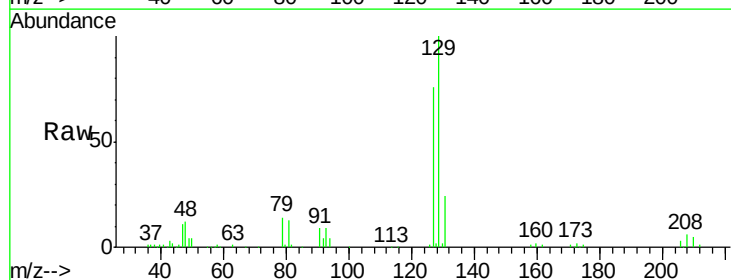
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

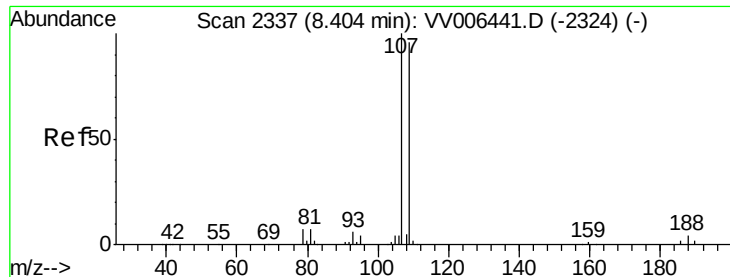
Tgt Ion: 43 Resp: 369650
Ion Ratio Lower Upper
43 100
58 61.7 49.9 74.9
57 21.3 17.3 25.9
100 15.4 12.5 18.7



#49
Dibromochloromethane
Concen: 4.485 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Tgt Ion: 129 Resp: 74969
Ion Ratio Lower Upper
129 100
127 75.7 54.0 100.2

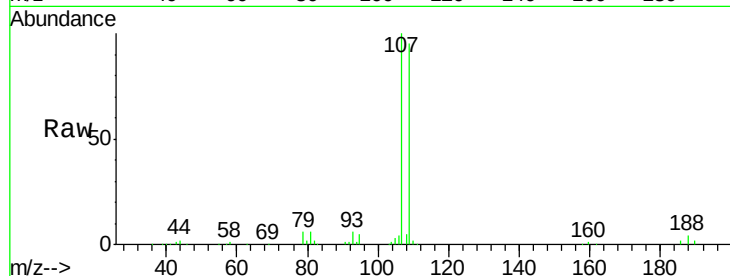




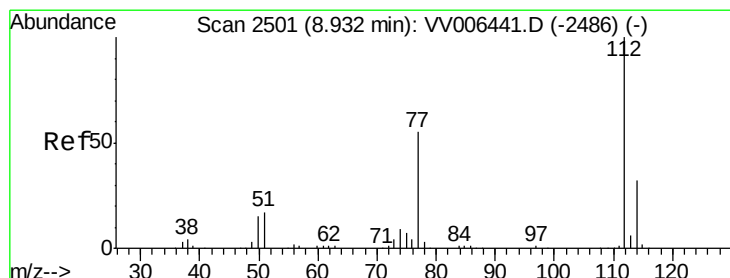
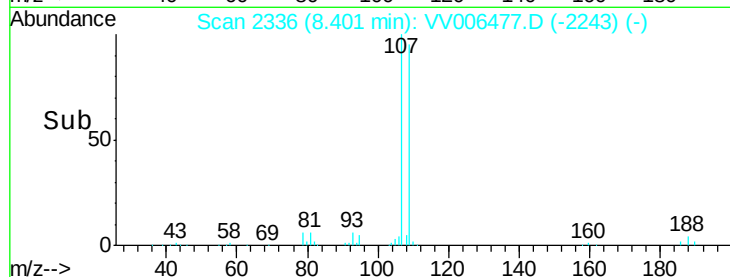
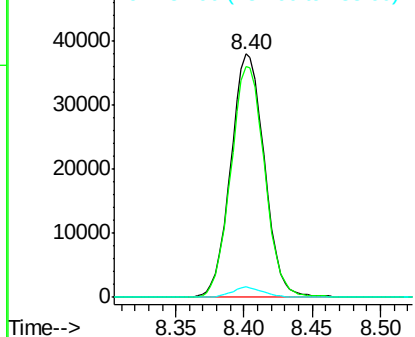
#50
1,2-Dibromoethane
Concen: 4.607 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:107 Resp: 64942
Ion Ratio Lower Upper
107 100
109 95.0 64.3 119.5
188 4.4 3.0 4.6

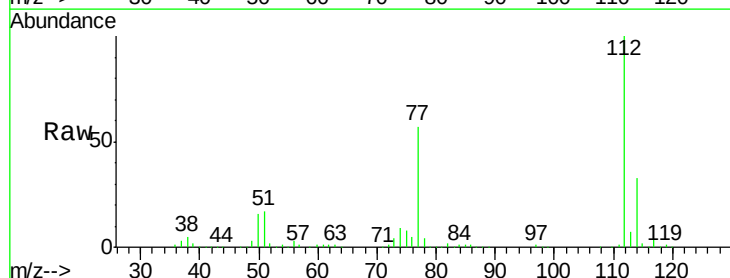


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

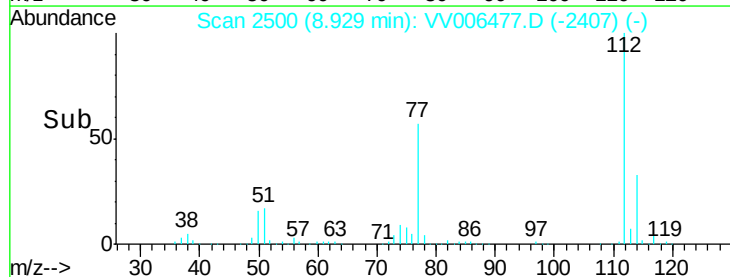
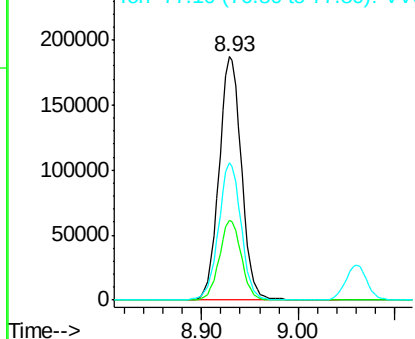


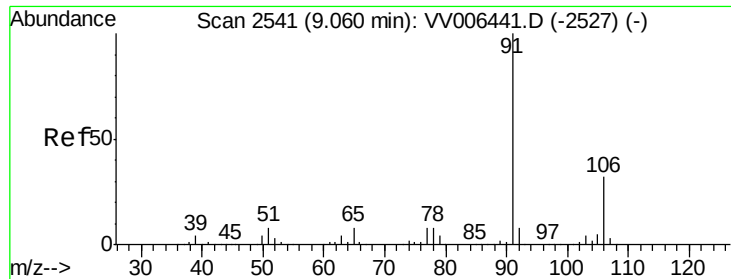
#51
Chlorobenzene
Concen: 4.610 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006477.D
Acq: 27 Jun 2018 09:55

Tgt Ion:112 Resp: 300081
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 56.7 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.669 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

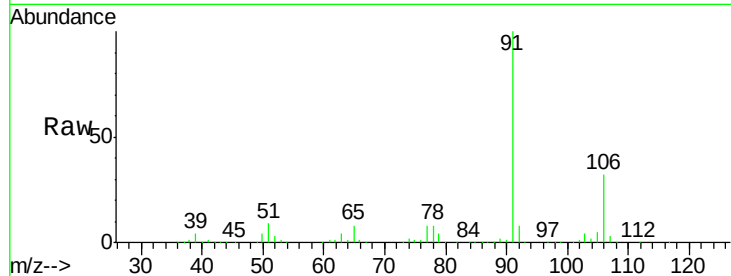
VSTD00564

Tgt Ion: 91 Resp: 497281

Ion Ratio Lower Upper

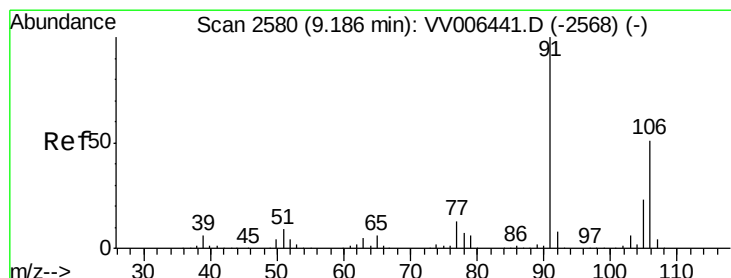
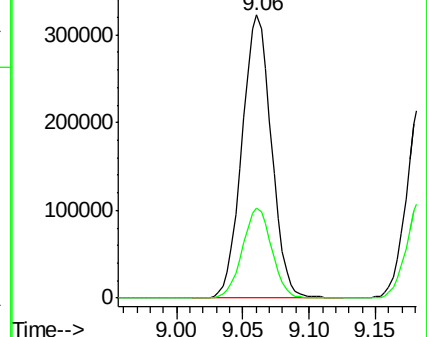
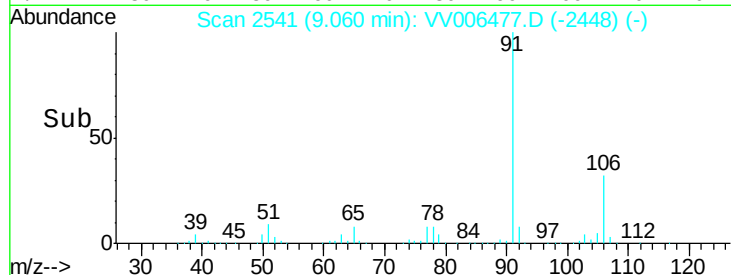
91 100

106 31.7 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006477.D (-2448) (-)

Ion 106.15 (105.85 to 106.85): VV006477.D (-2448) (-)



#53

m,p-xylene

Concen: 4.700 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006477.D

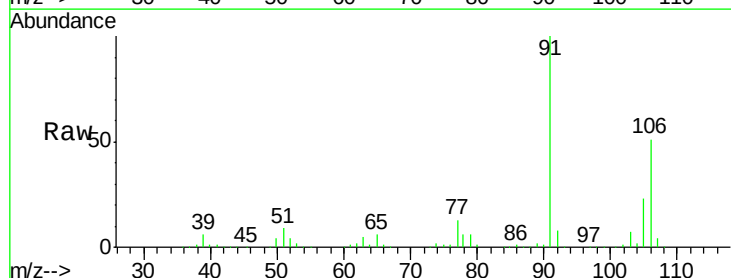
Acq: 27 Jun 2018 09:55

Tgt Ion: 106 Resp: 193068

Ion Ratio Lower Upper

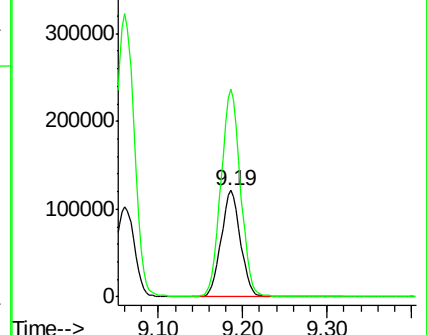
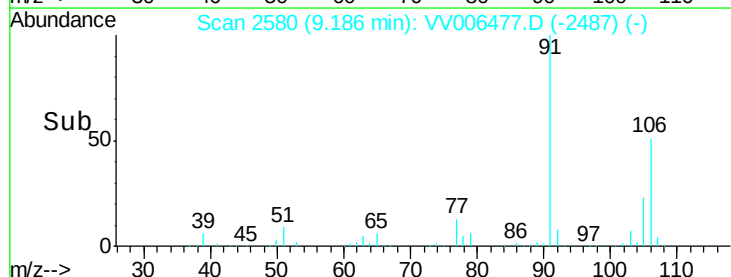
106 100

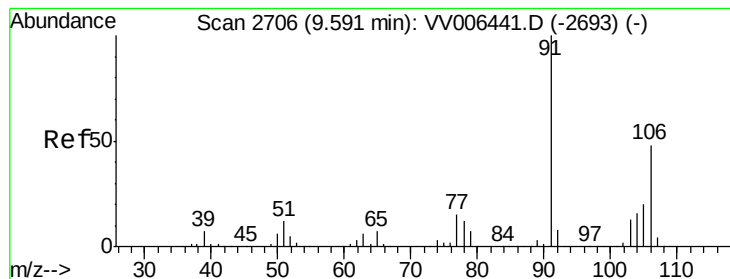
91 195.4 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006477.D (-2487) (-)

Ion 91.15 (90.85 to 91.85): VV006477.D (-2487) (-)





#54

o-xylene

Concen: 4.668 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

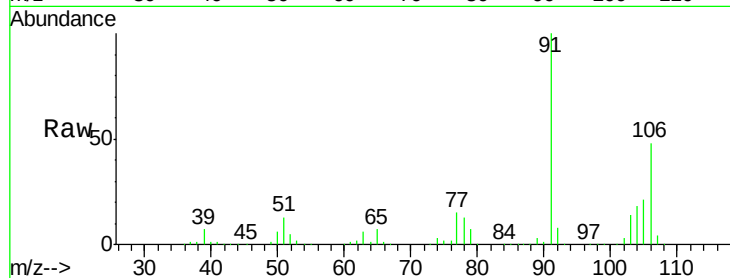
VSTD00564

Tgt Ion:106 Resp: 188102

Ion Ratio Lower Upper

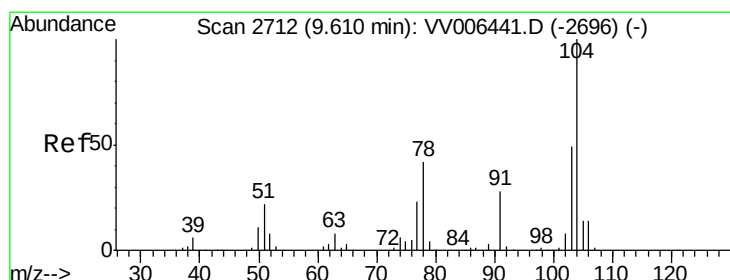
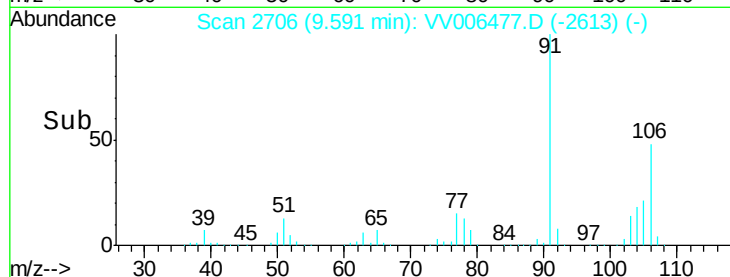
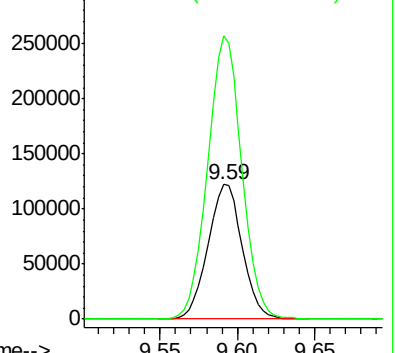
106 100

91 210.4 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.792 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006477.D

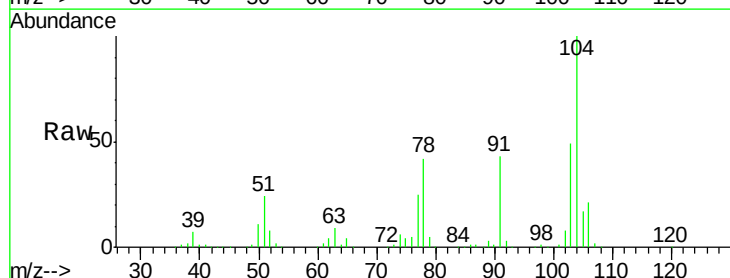
Acq: 27 Jun 2018 09:55

Tgt Ion:104 Resp: 315931

Ion Ratio Lower Upper

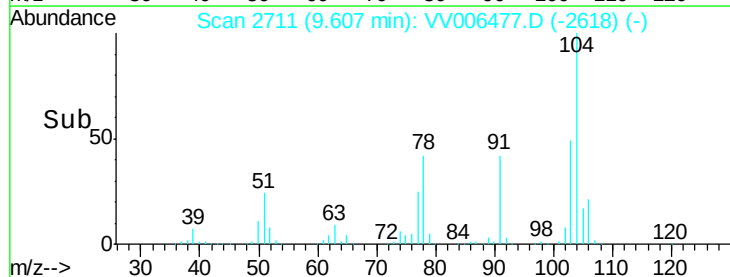
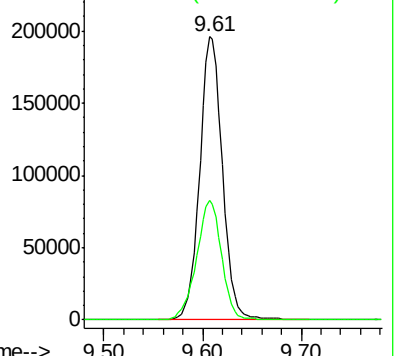
104 100

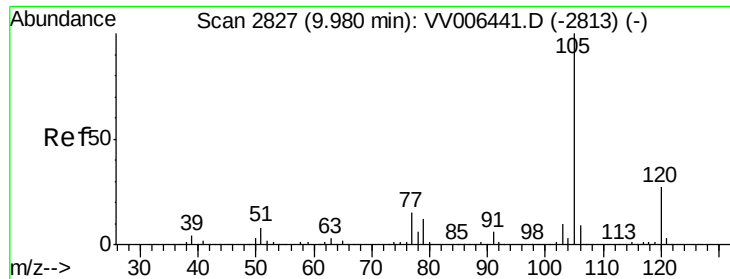
78 42.1 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.696 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

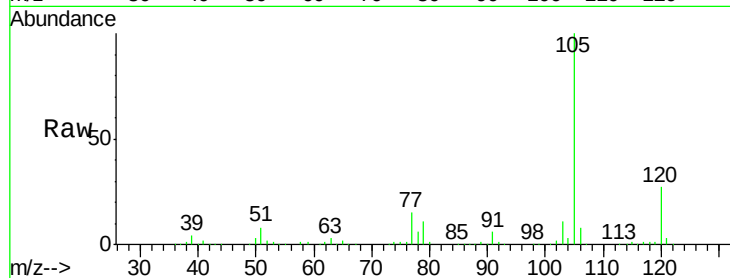
Tgt Ion: 105 Resp: 493110

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

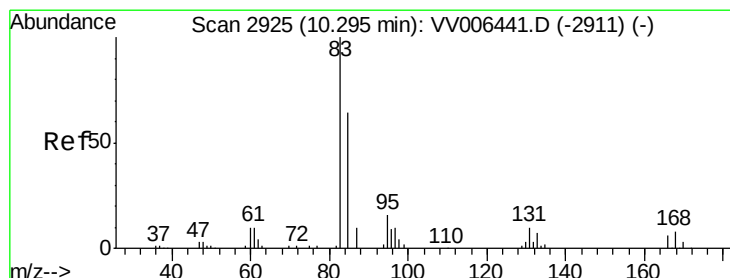
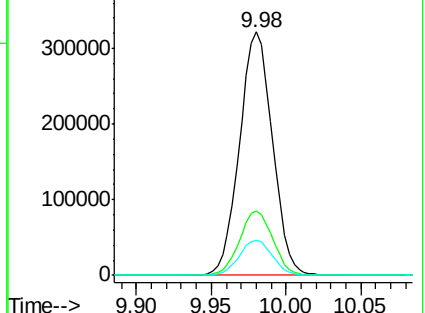
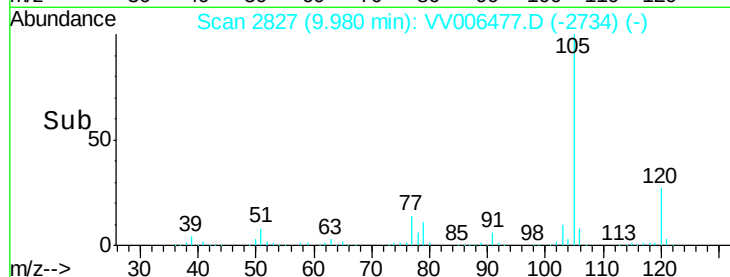
77 14.6 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.393 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

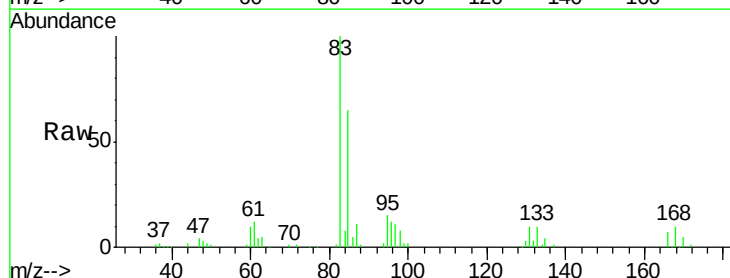
Tgt Ion: 83 Resp: 64964

Ion Ratio Lower Upper

83 100

85 65.1 44.8 83.2

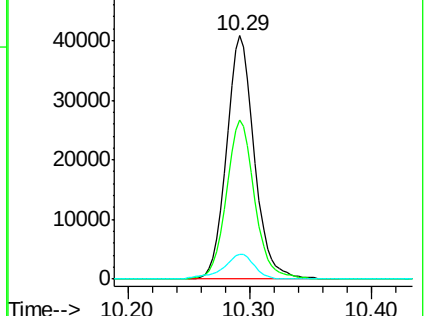
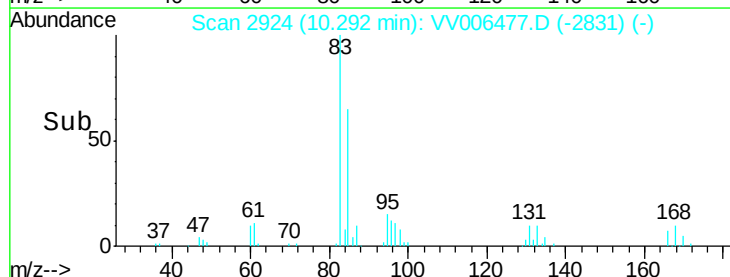
131 10.3 7.9 11.9

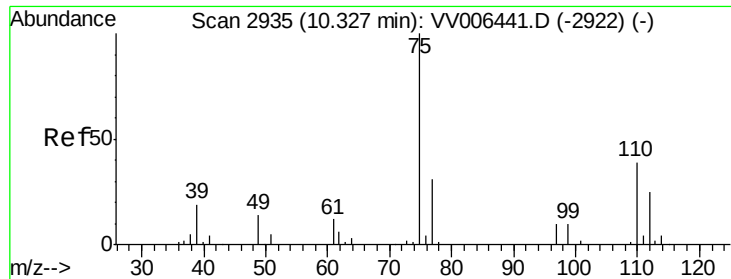


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

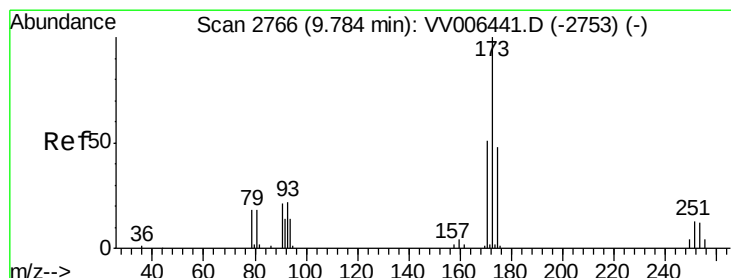
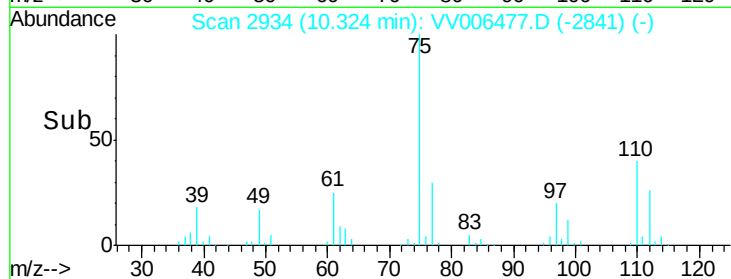
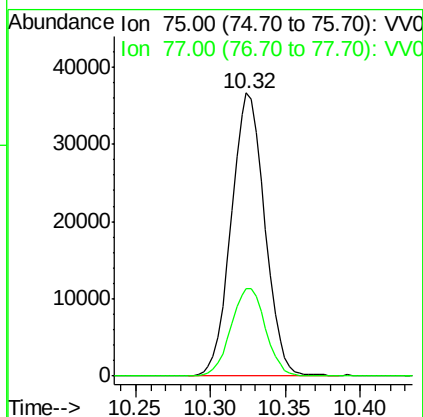
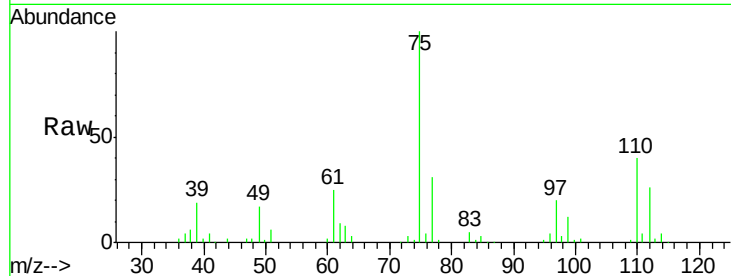




#59
 1,2,3-Trichloropropane
 Concen: 4.634 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

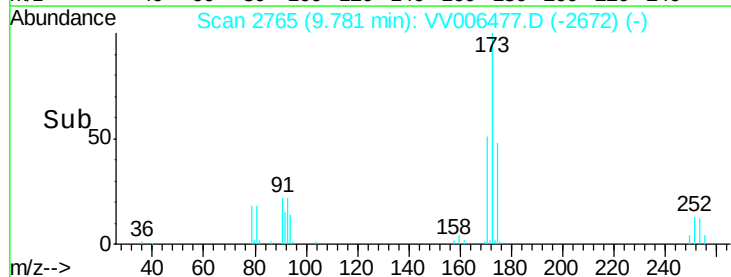
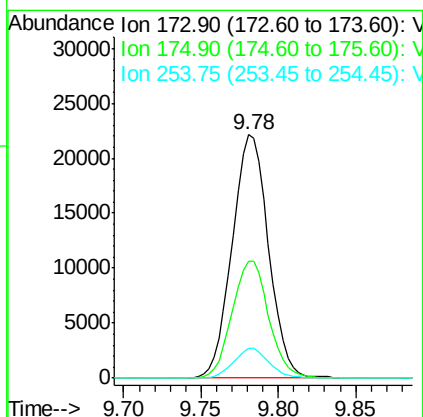
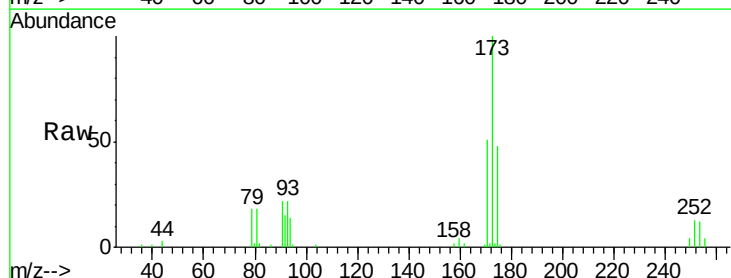
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

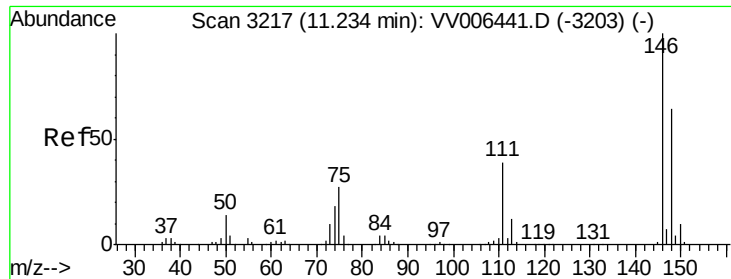
Tgt Ion: 75 Resp: 57231
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5



#61
 Bromoform
 Concen: 4.222 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 173 Resp: 36046
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.8 58.2
 254 11.6 9.0 13.6

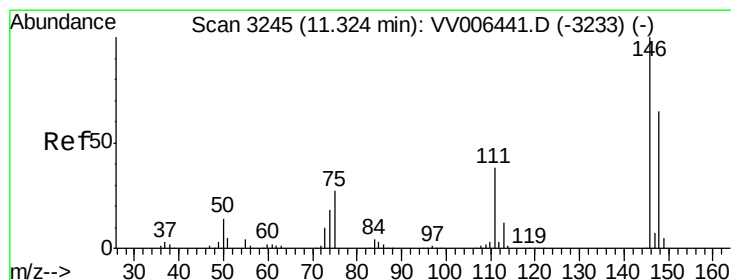
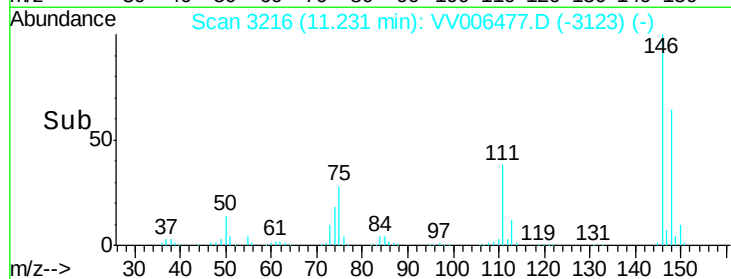
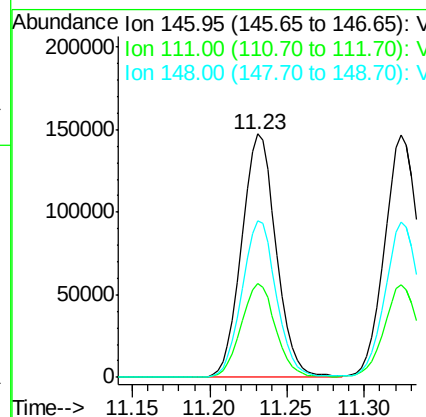
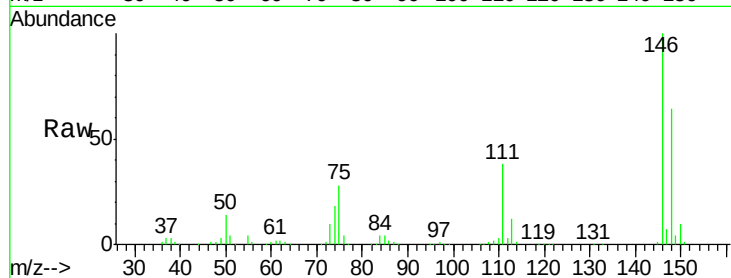




#62
 1,3-Dichlorobenzene
 Concen: 4.568 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

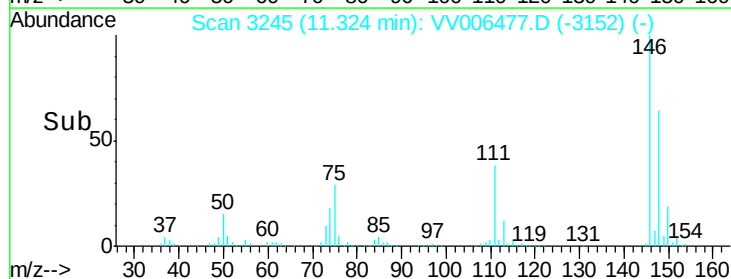
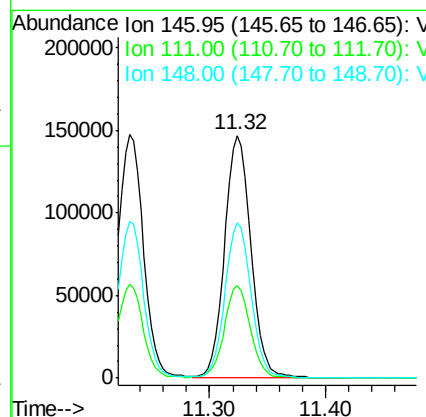
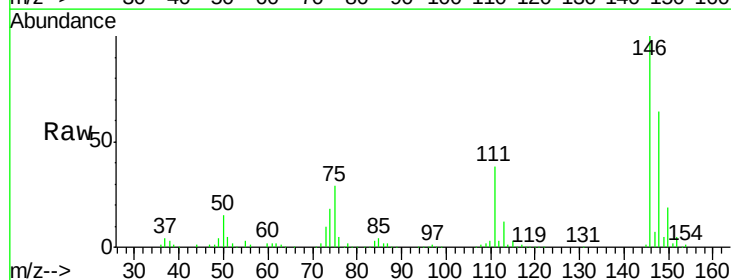
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

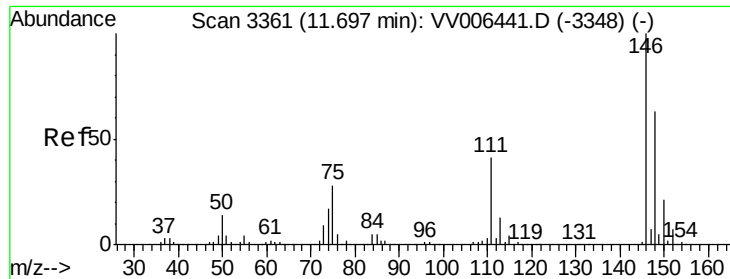
Tgt Ion:146 Resp: 228905
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.4 51.0
 148 64.4 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.624 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion:146 Resp: 231770
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.3 48.9
 148 64.1 44.0 81.6

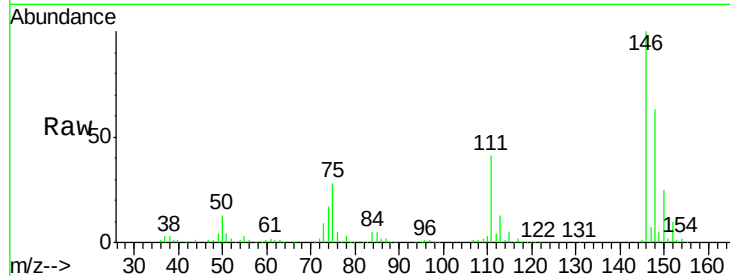




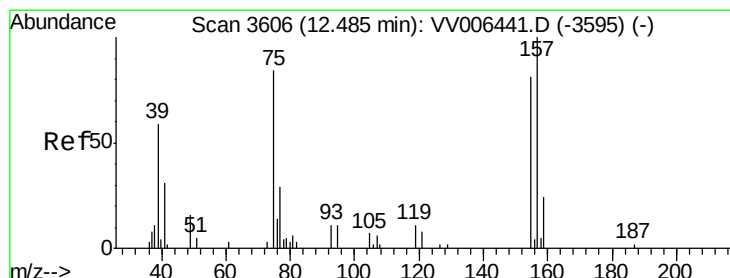
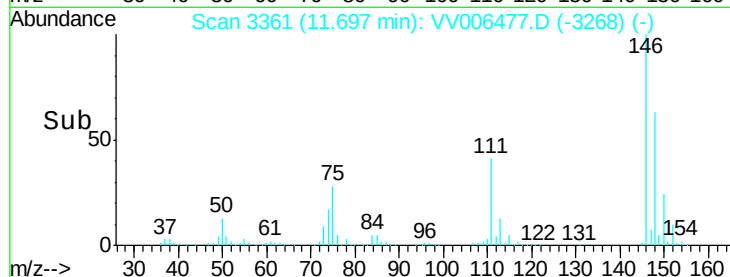
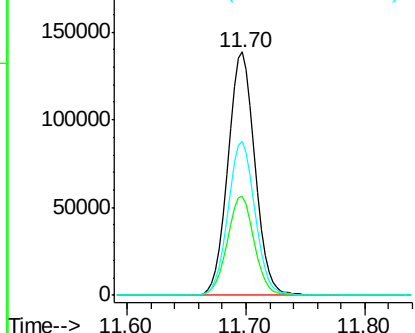
#65
 1,2-Dichlorobenzene
 Concen: 4.643 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 146 Resp: 217758
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.0 48.0
 148 63.1 50.8 76.2

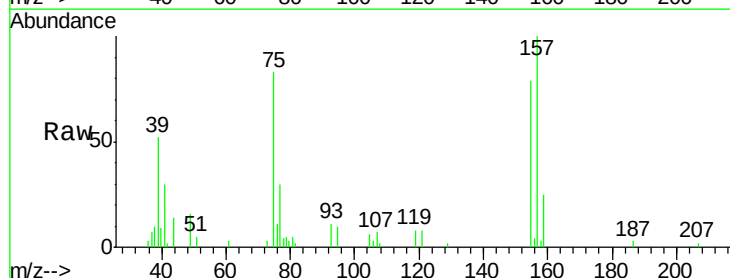


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

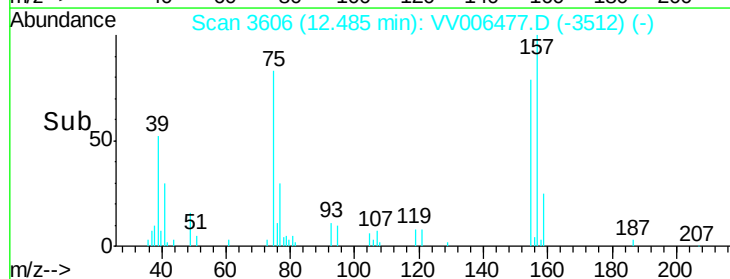
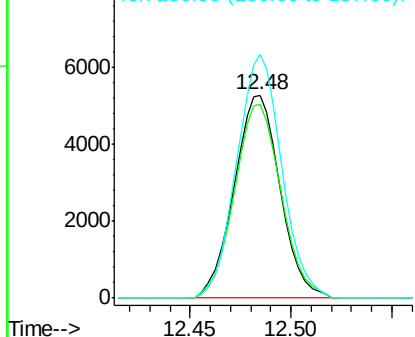


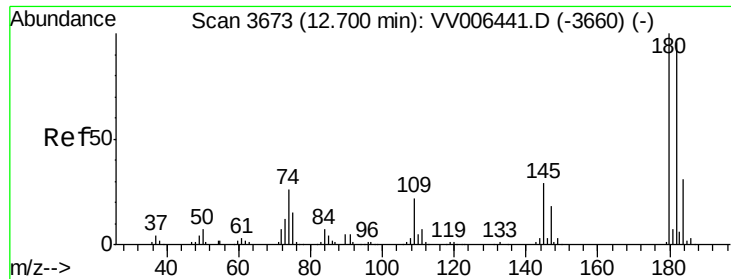
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.234 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion: 75 Resp: 8438
 Ion Ratio Lower Upper
 75 100
 155 95.1 73.9 110.9
 157 119.9 92.9 139.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

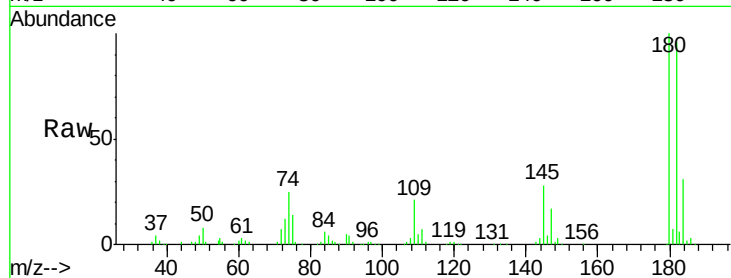




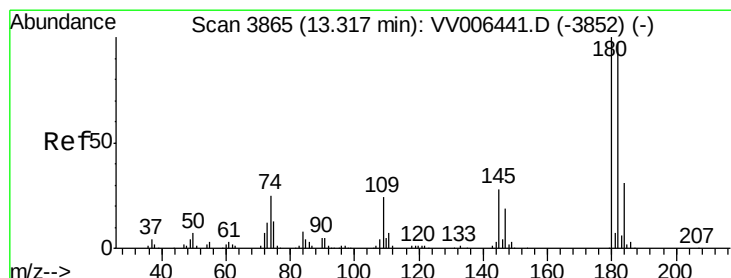
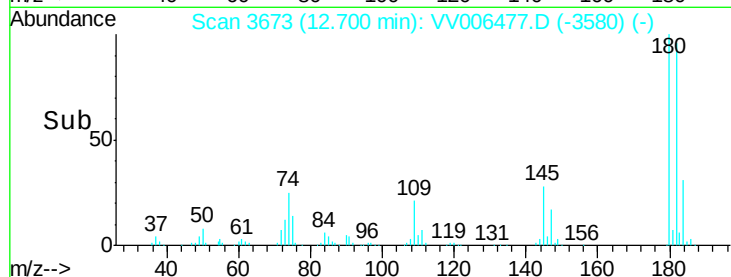
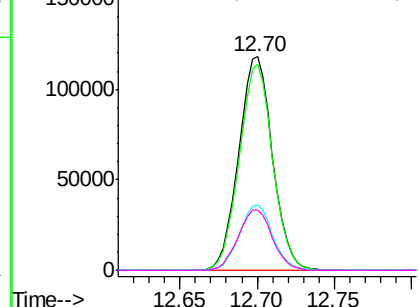
#67
 1,3,5-Trichlorobenzene
 Concen: 4.688 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:180 Resp: 178500
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 115.0
 184 30.2 24.5 36.7
 145 28.7 22.6 34.0

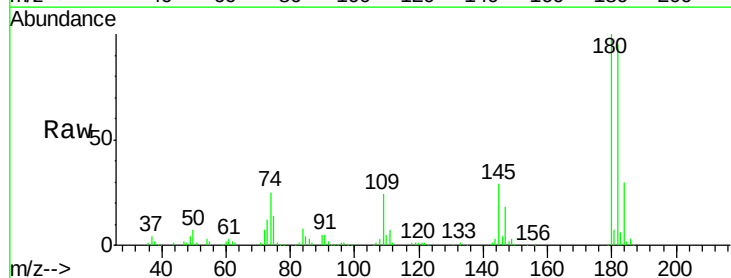


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

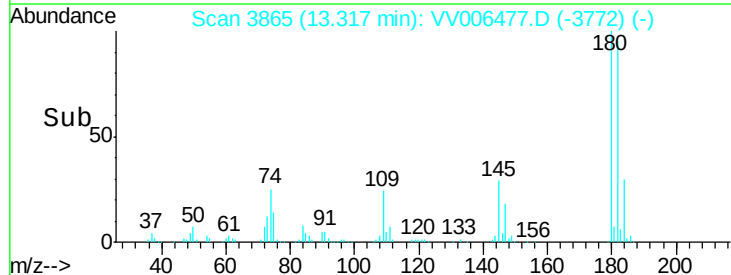
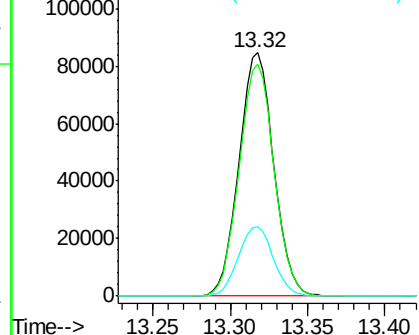


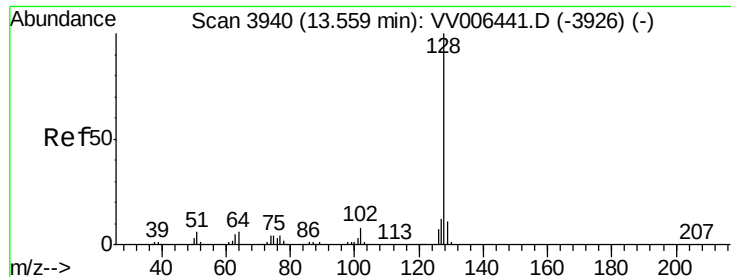
#68
 1,2,4-trichlorobenzene
 Concen: 4.729 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006477.D
 Acq: 27 Jun 2018 09:55

Tgt Ion:180 Resp: 132026
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 145 28.8 23.0 34.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.494 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

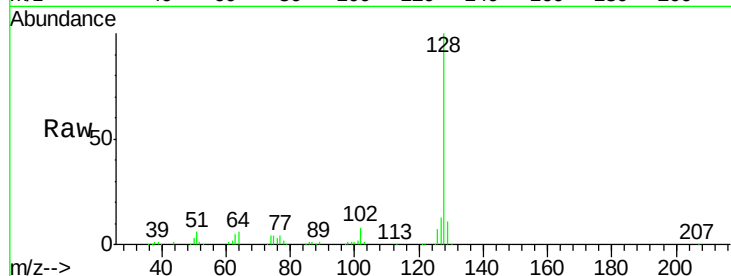
Tgt Ion:128 Resp: 183410

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

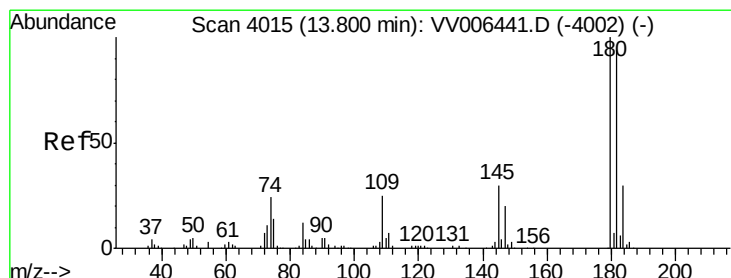
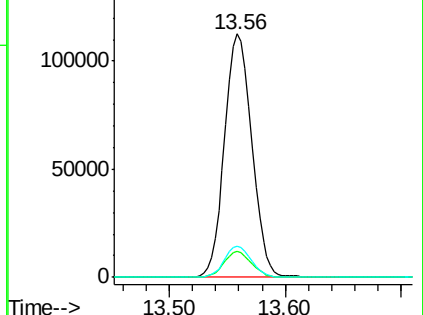
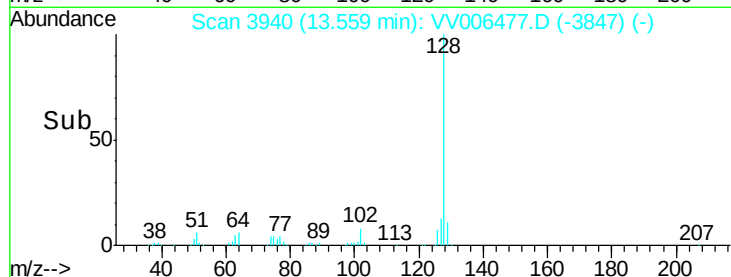
127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.744 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006477.D

Acq: 27 Jun 2018 09:55

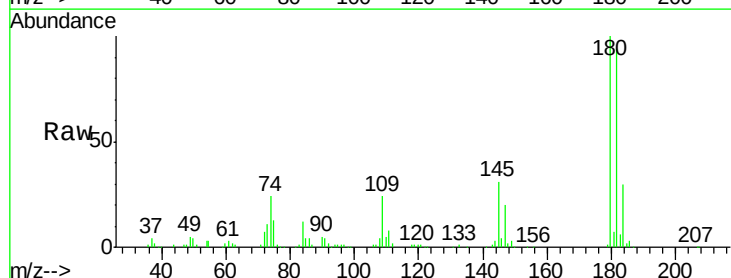
Tgt Ion:180 Resp: 123309

Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 30.6 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

