

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062918\
 Data File : VV006501.D
 Acq On : 29 Jun 2018 10:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Quant Time: Jun 30 02:07:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 29 03:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	361633	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	330947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	159356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115964	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	97636	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	202523	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.98	46	227431	51.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.08%
24) Chloroform-d	4.41	84	195858	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.09	65	90568	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	421519	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	124557	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	391323	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.67	79	42022	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.14	63	190728	50.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.80%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74405	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	137719	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	113803	4.294 ug/L	100
3) Chloromethane	1.26	50	113829	4.190 ug/L	99
5) Vinyl chloride	1.32	62	128416	4.351 ug/L	100
6) Bromomethane	1.54	94	61338	3.588 ug/L	98
8) Chloroethane	1.60	64	84573	4.517 ug/L	99
9) Trichlorofluoromethane	1.77	101	162468	4.579 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104865	4.706 ug/L	99
12) 1,1-Dichloroethene	2.14	96	97381	4.453 ug/L	98
13) Acetone	2.23	43	135025	49.440 ug/L	99
14) Carbon disulfide	2.32	76	240880	3.900 ug/L	100
15) Methyl Acetate	2.48	43	35505	4.415 ug/L	97
16) Methylene chloride	2.54	84	107803	4.208 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	240333	4.534 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	106575	4.451 ug/L	99
19) 1,1-Dichloroethane	3.23	63	192349	4.510 ug/L	100
21) 2-Butanone	4.06	43	226077	45.805 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	118012	4.482 ug/L	100

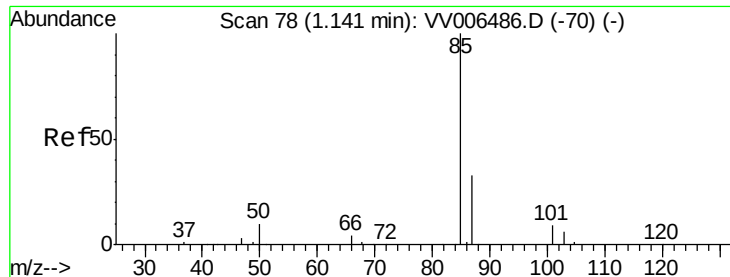
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062918\
 Data File : VV006501.D
 Acq On : 29 Jun 2018 10:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
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Quant Time: Jun 30 02:07:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 29 03:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47714	4.460	ug/L	99
25) Chloroform	4.43	83	196109	4.563	ug/L	99
27) 1,2-Dichloroethane	5.19	62	108050	4.474	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	157981	4.377	ug/L	99
30) Cyclohexane	4.73	56	158815	4.403	ug/L	99
31) Carbon tetrachloride	4.88	117	133095	4.397	ug/L	99
33) Benzene	5.15	78	443413	4.537	ug/L	100
34) Trichloroethene	5.96	95	121963	4.362	ug/L	98
35) Methylcyclohexane	6.18	83	184466	4.537	ug/L	98
37) 1,2-Dichloropropane	6.23	63	110609	4.631	ug/L	100
38) Bromodichloromethane	6.56	83	119483	4.346	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	149115	4.486	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	527280	45.369	ug/L	100
42) Toluene	7.44	91	469219	4.533	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	114379	4.388	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	76035	4.609	ug/L	99
47) Tetrachloroethene	8.02	164	94450	4.471	ug/L	99
48) 2-Hexanone	8.19	43	385710	46.131	ug/L	98
49) Dibromochloromethane	8.30	129	77367	4.399	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67354	4.542	ug/L	95
51) Chlorobenzene	8.93	112	309271	4.516	ug/L	99
52) Ethylbenzene	9.06	91	509337	4.545	ug/L	99
53) m,p-xylene	9.19	106	196193	4.540	ug/L	100
54) o-xylene	9.59	106	193196	4.557	ug/L	99
55) Styrene	9.61	104	323855	4.669	ug/L	98
56) Isopropylbenzene	9.98	105	507101	4.590	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	69976	4.498	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	59508	4.580	ug/L	100
61) Bromoform	9.78	173	37613	4.206	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	234401	4.466	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	236815	4.511	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	222307	4.525	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8941	4.283	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	184437	4.624	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	141040	4.822	ug/L	99
69) Naphthalene	13.56	128	197828	4.628	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	130829	4.805	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.294 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

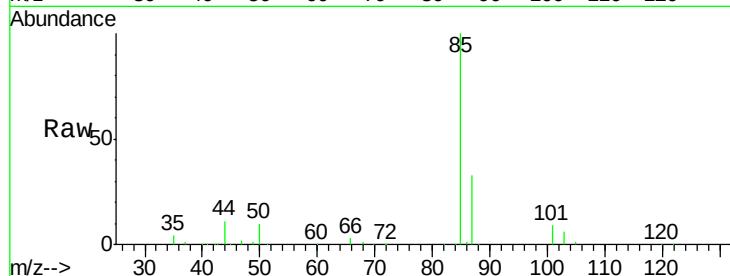
VSTD00501

Tgt Ion: 85 Resp: 113803

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006501.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006501.D (-1) (-)

120000

100000

80000

60000

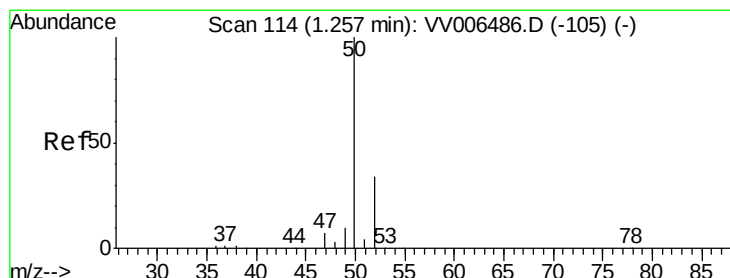
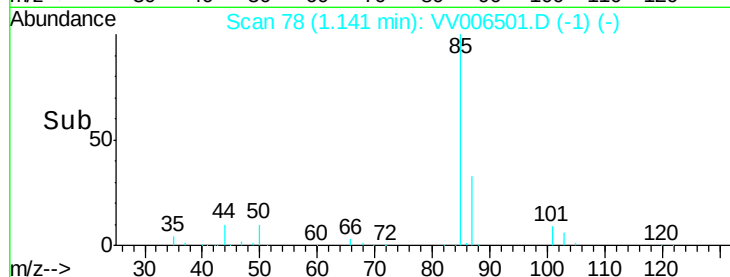
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 4.190 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006501.D

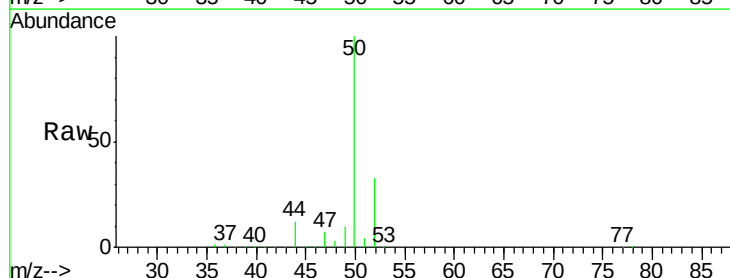
Acq: 29 Jun 2018 10:43

Tgt Ion: 50 Resp: 113829

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006501.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006501.D (-21) (-)

80000

60000

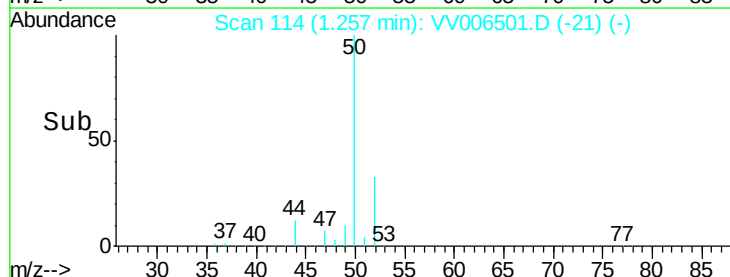
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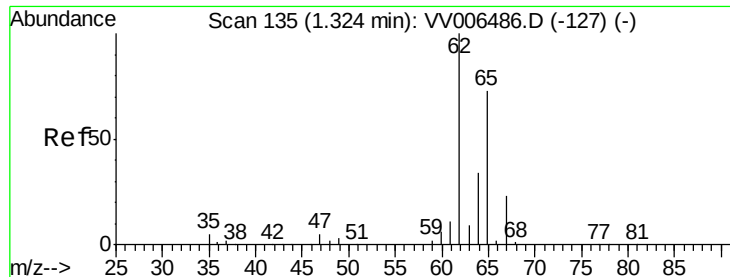
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.351 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

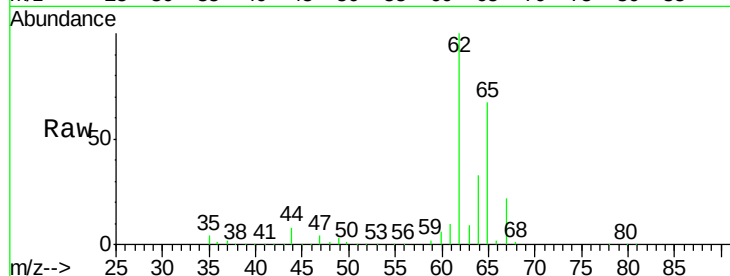
VSTD00501

Tgt Ion: 62 Resp: 128416

Ion Ratio Lower Upper

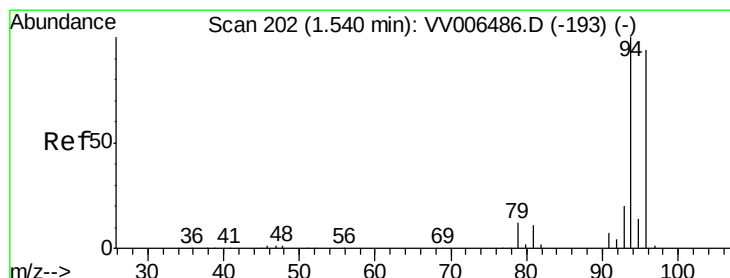
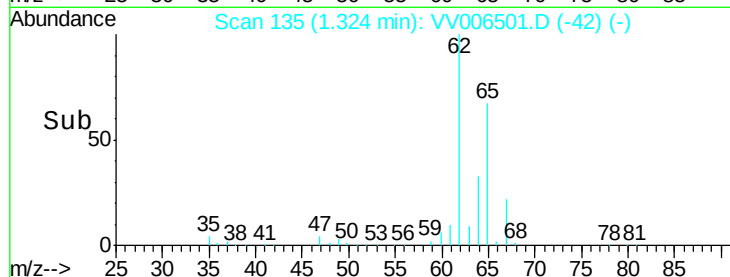
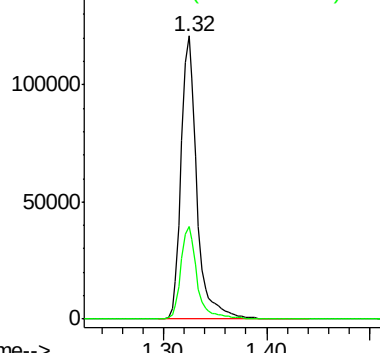
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.588 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006501.D

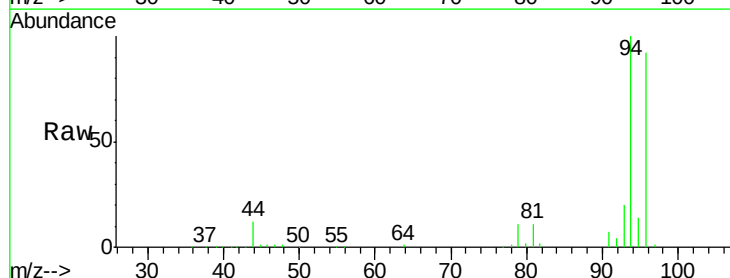
Acq: 29 Jun 2018 10:43

Tgt Ion: 94 Resp: 61338

Ion Ratio Lower Upper

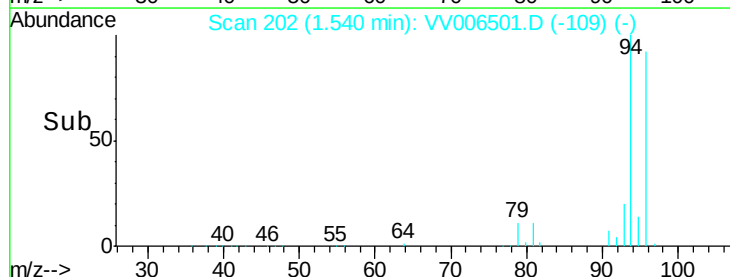
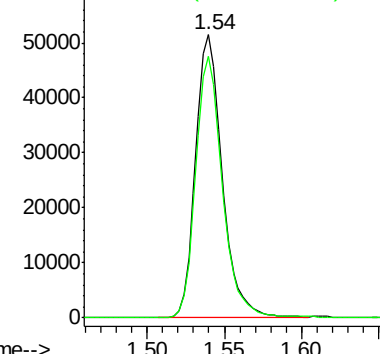
94 100

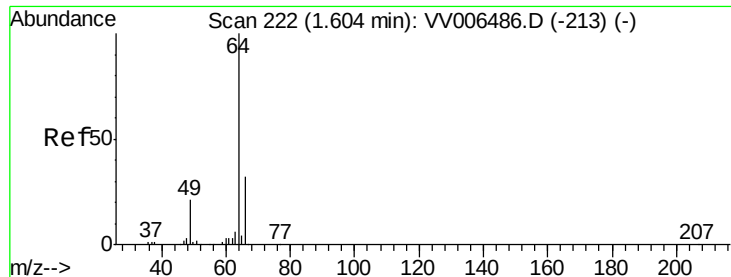
96 92.3 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

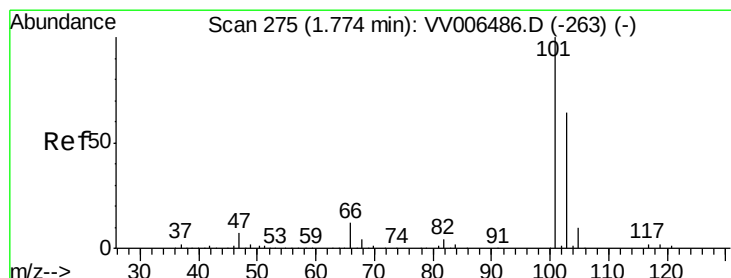
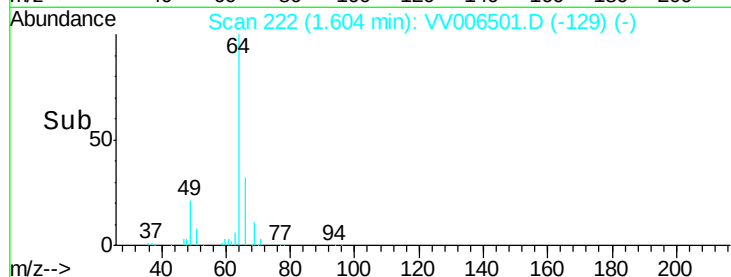
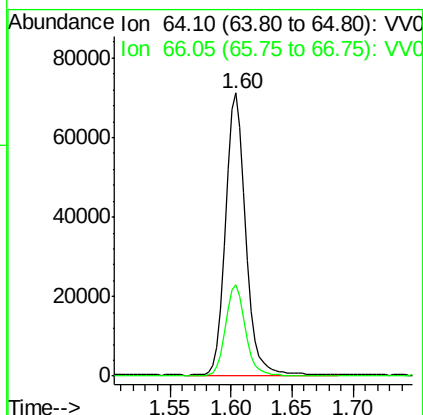
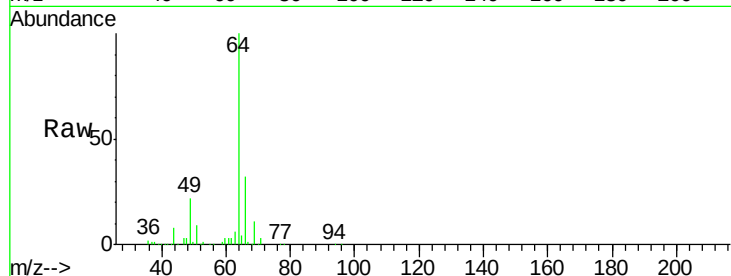




#8
Chloroethane
Concen: 4.517 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

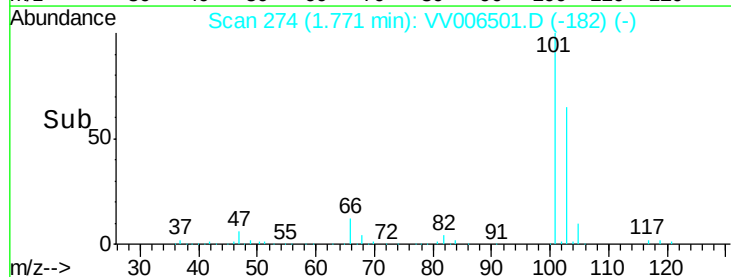
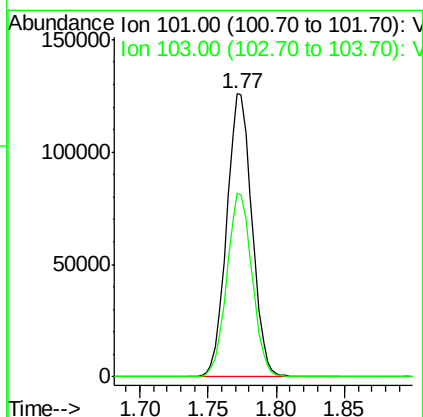
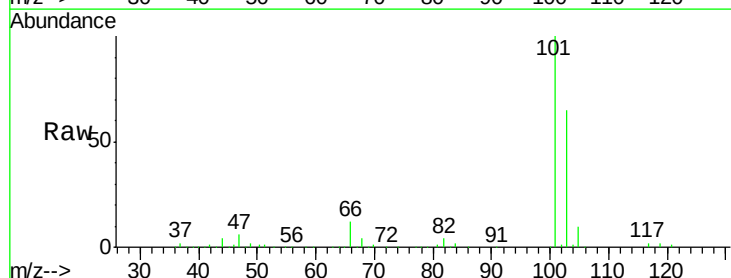
Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

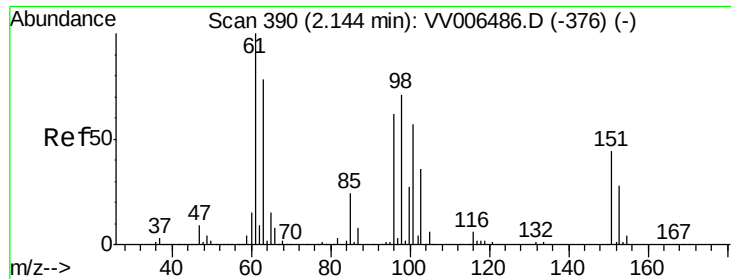
Tgt Ion: 64 Resp: 84573
Ion Ratio Lower Upper
64 100
66 32.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.579 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 101 Resp: 162468
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 4.706 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

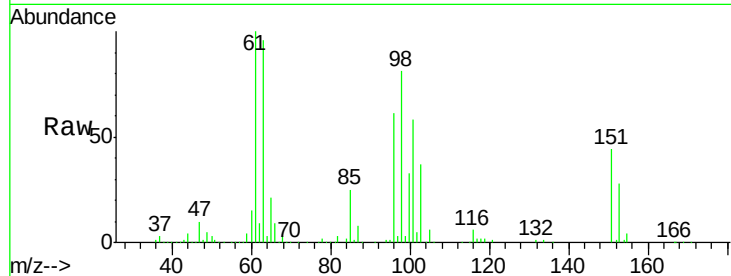
Tgt Ion: 101 Resp: 104865

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

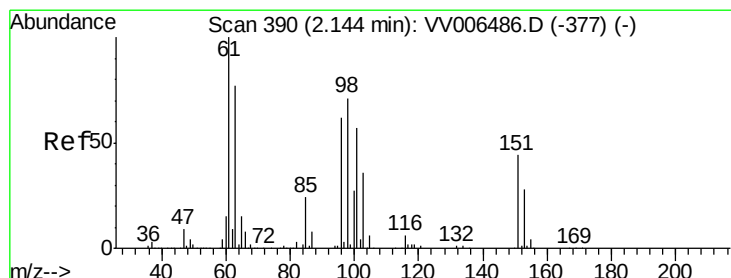
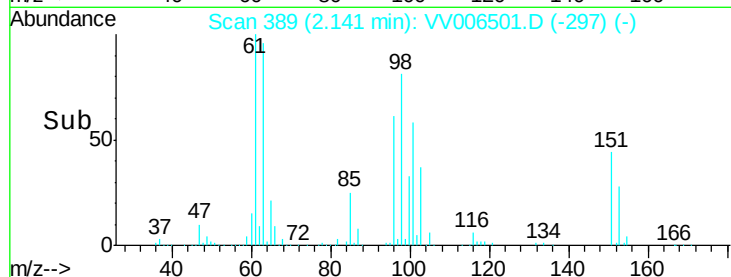
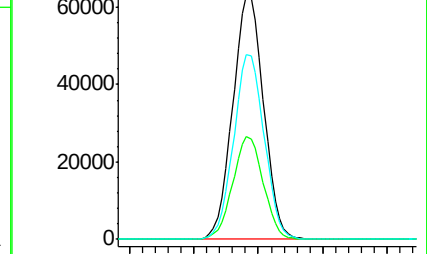
151 75.3 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006486.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006486.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006486.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 4.453 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

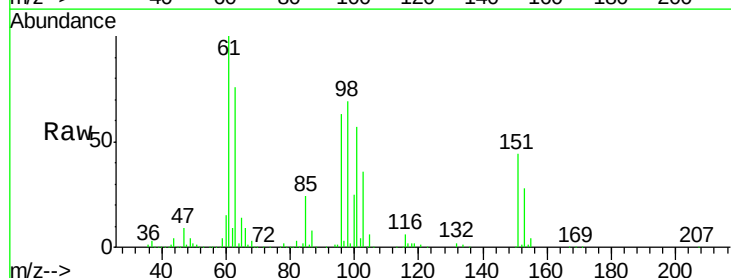
Tgt Ion: 96 Resp: 97381

Ion Ratio Lower Upper

96 100

61 158.5 111.4 207.0

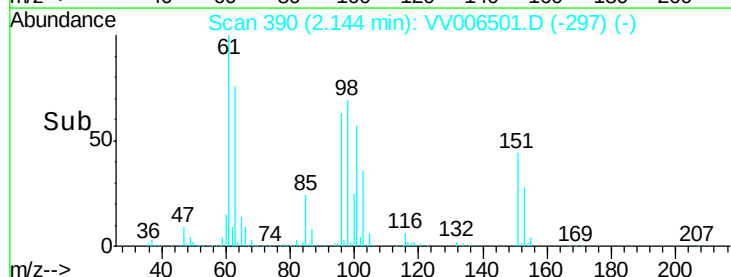
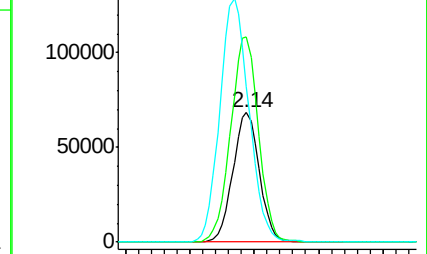
63 120.1 87.4 162.2

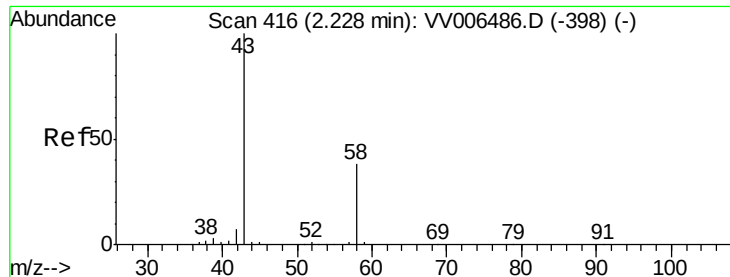


Abundance Ion 96.00 (95.70 to 96.70): VV006486.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006486.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006486.D (-377) (-)





#13

Acetone

Concen: 49.440 ug/L

RT: 2.23 min Scan# 418

Delta R.T. 0.01 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

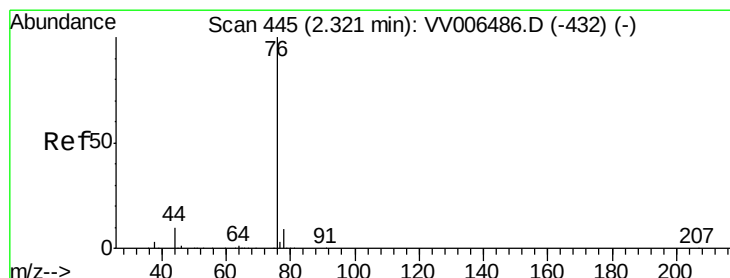
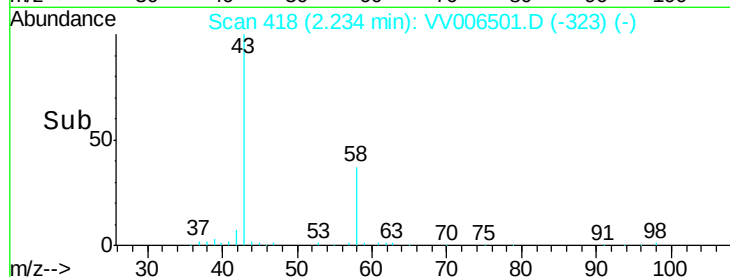
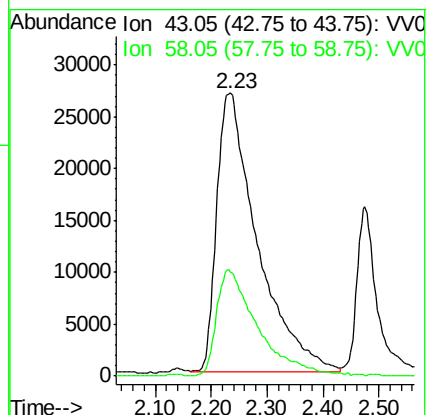
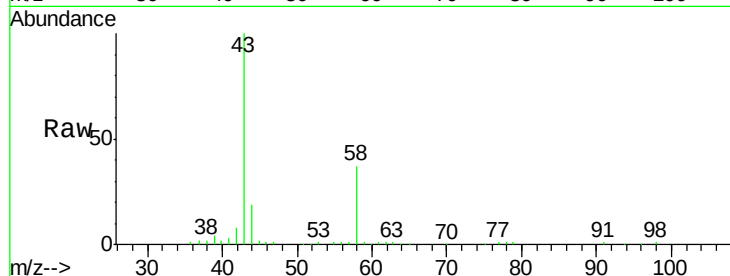
VSTD00501

Tgt Ion: 43 Resp: 135025

Ion Ratio Lower Upper

43 100

58 38.3 0.0 77.4



#14

Carbon disulfide

Concen: 3.900 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006501.D

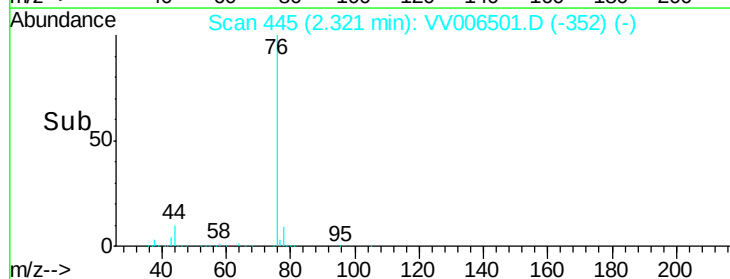
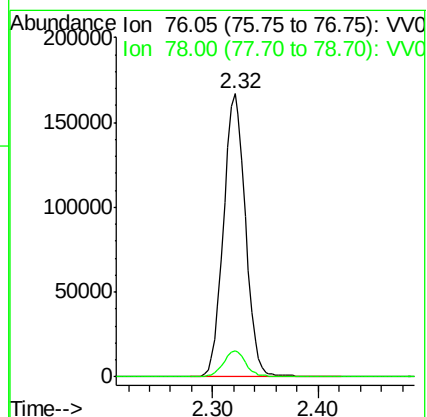
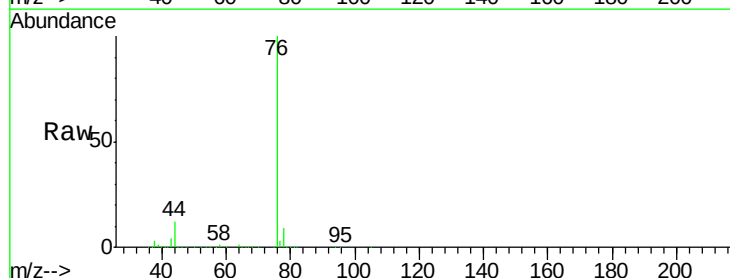
Acq: 29 Jun 2018 10:43

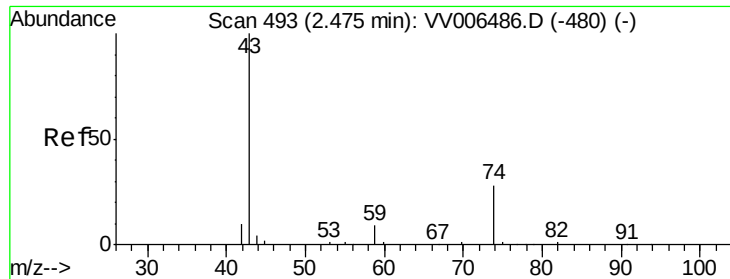
Tgt Ion: 76 Resp: 240880

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

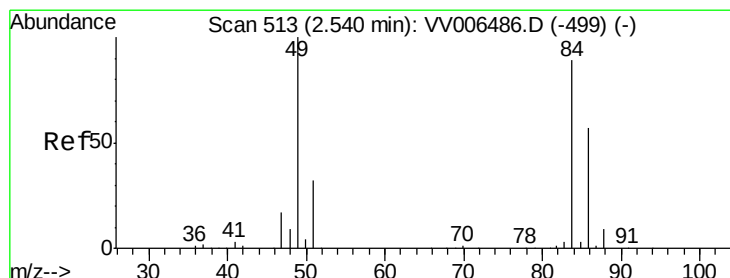
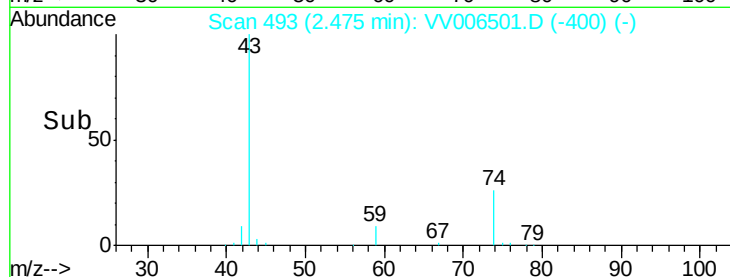
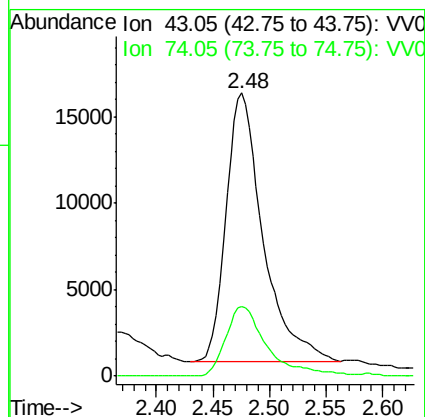
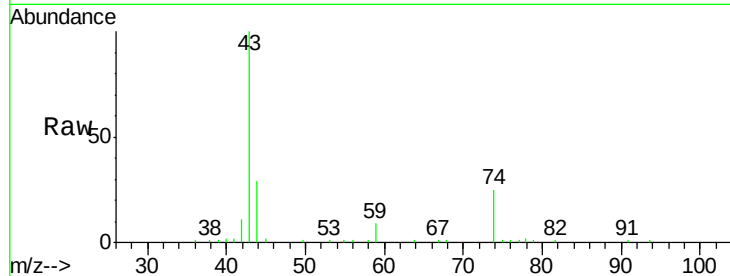




#15
Methyl Acetate
Concen: 4.415 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

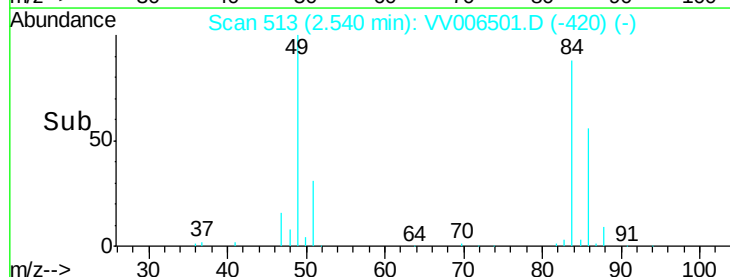
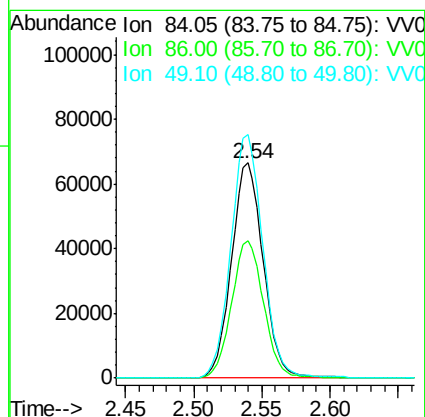
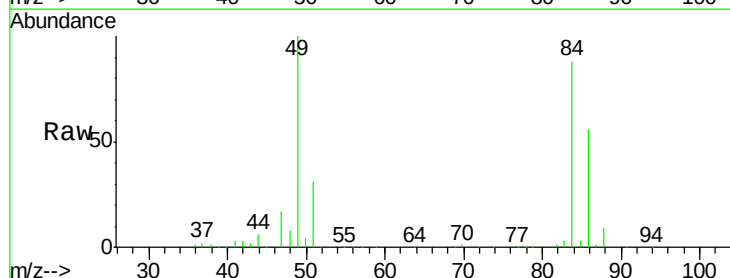
Instrument :
MSVOA_V
ClientSampled :
VSTD00501

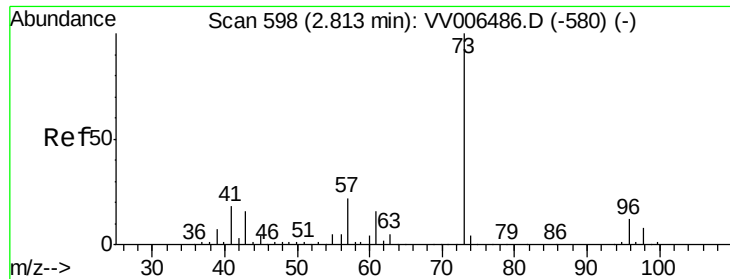
Tgt Ion: 43 Resp: 35505
Ion Ratio Lower Upper
43 100
74 29.2 22.2 33.4



#16
Methylene chloride
Concen: 4.208 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 84 Resp: 107803
Ion Ratio Lower Upper
84 100
86 63.8 44.2 82.2
49 113.1 79.0 146.8

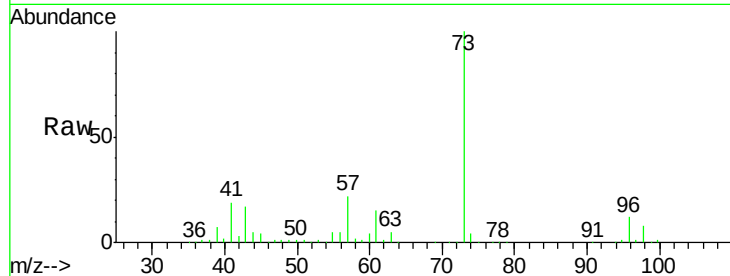




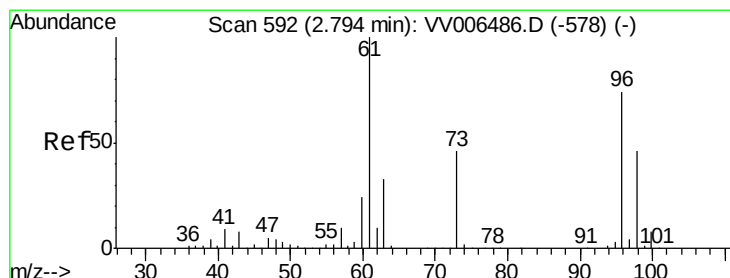
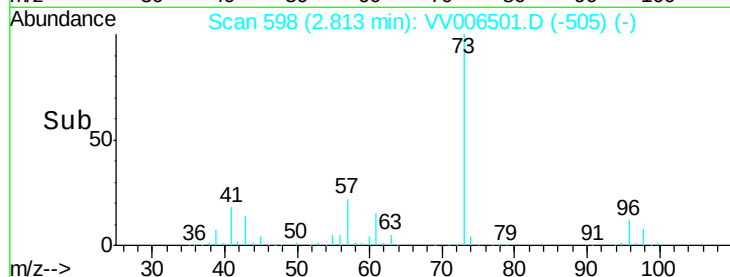
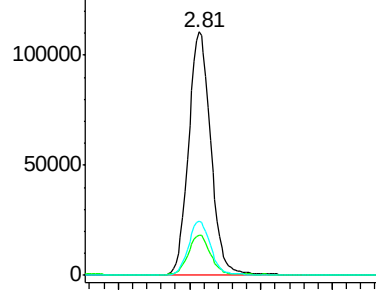
#17
Methyl tert-butyl Ether
Concen: 4.534 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion: 73 Resp: 240333
Ion Ratio Lower Upper
73 100
43 16.3 12.9 19.3
57 22.2 17.5 26.3

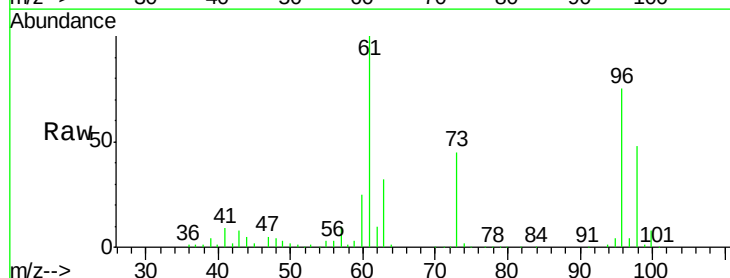


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

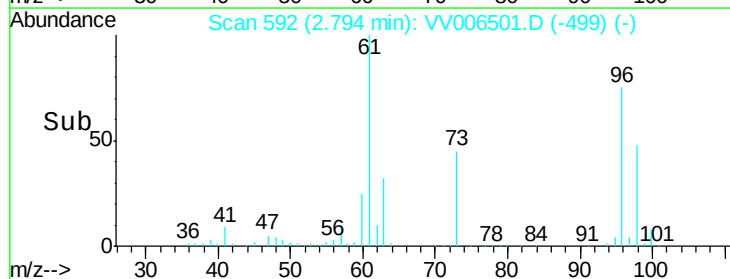
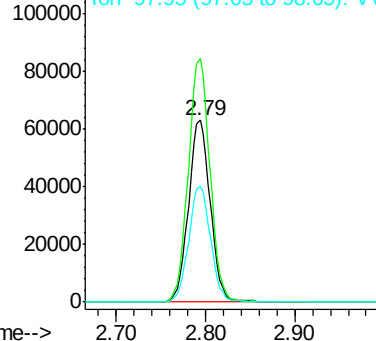


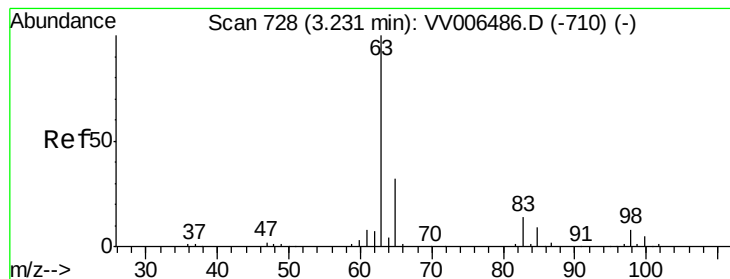
#18
trans-1,2-Dichloroethene
Concen: 4.451 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 96 Resp: 106575
Ion Ratio Lower Upper
96 100
61 134.0 94.4 175.2
98 63.9 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: 4.510 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

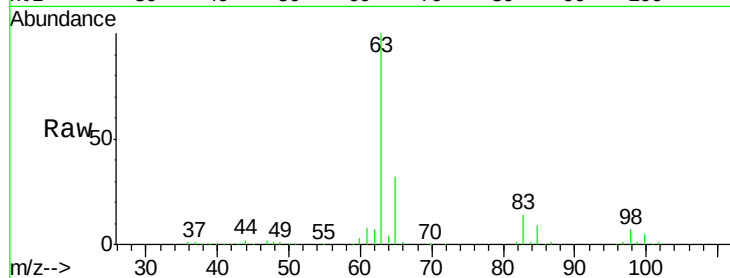
Tgt Ion: 63 Resp: 192349

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

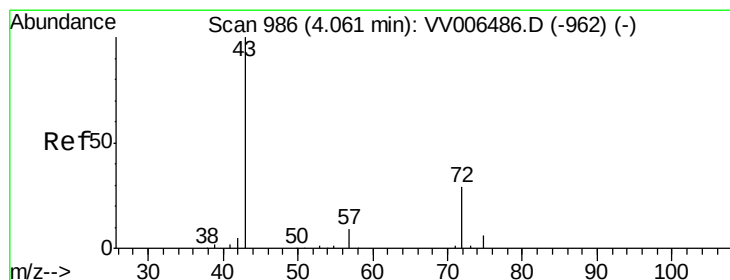
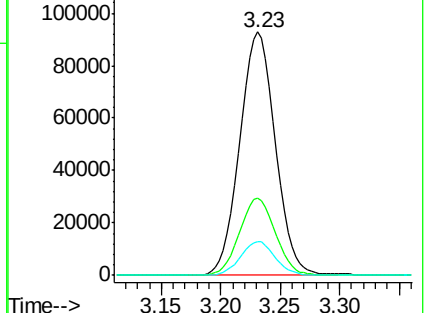
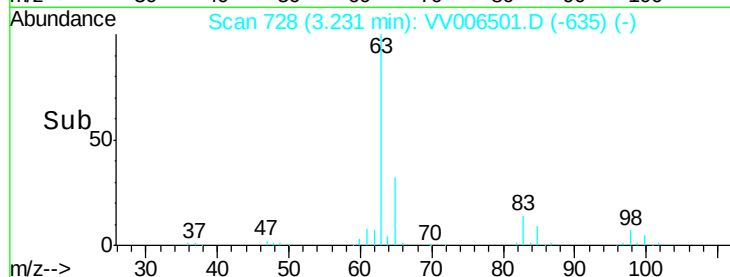
83 13.8 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV006501.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006501.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006501.D (-635) (-)



#21

2-Butanone

Concen: 45.805 ug/L

RT: 4.06 min Scan# 986

Delta R.T. 0.00 min

Lab File: VV006501.D

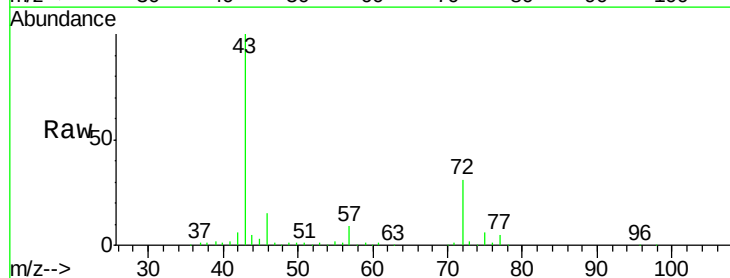
Acq: 29 Jun 2018 10:43

Tgt Ion: 43 Resp: 226077

Ion Ratio Lower Upper

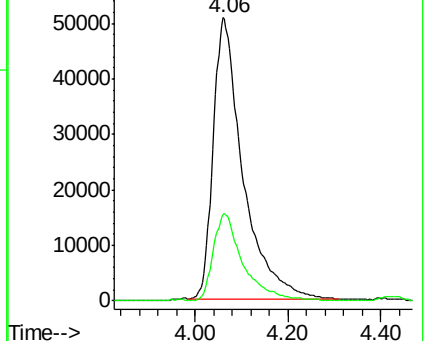
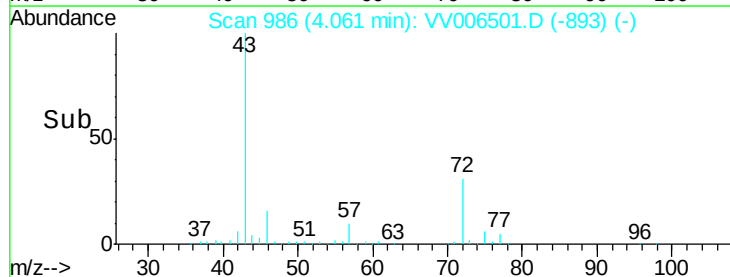
43 100

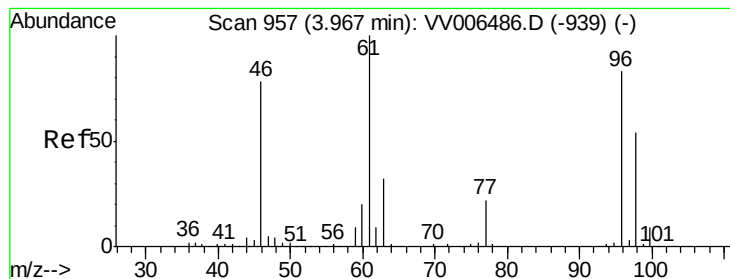
72 31.3 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV006501.D (-893) (-)

Ion 72.10 (71.80 to 72.80): VV006501.D (-893) (-)



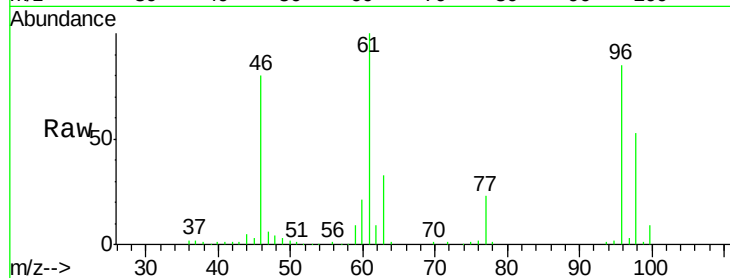


#22

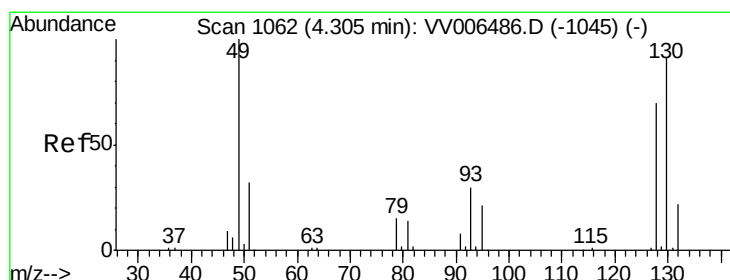
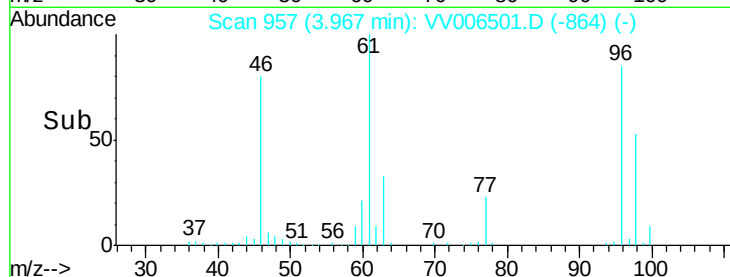
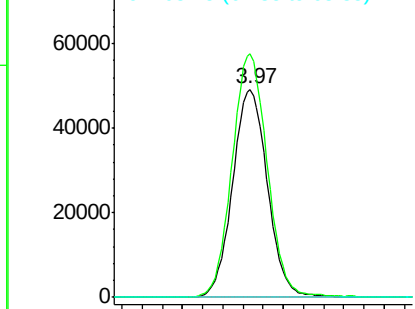
cis-1,2-Dichloroethene
Concen: 4.482 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion: 96 Resp: 118012
Ion Ratio Lower Upper
96 100
61 117.2 81.8 151.8
68 0.0 0.0 0.0



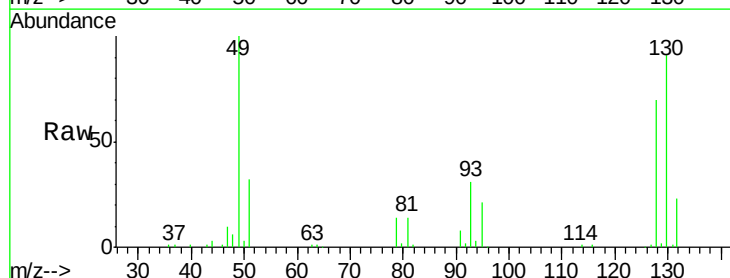
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



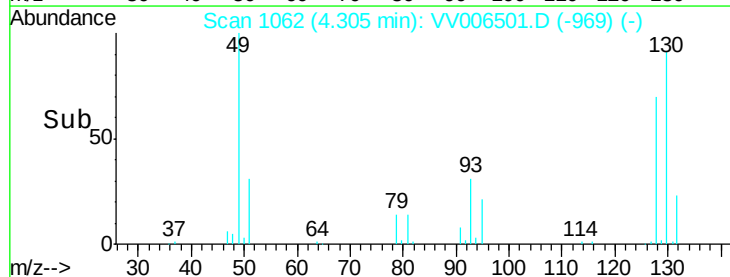
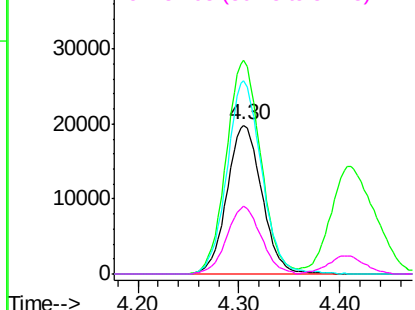
#23

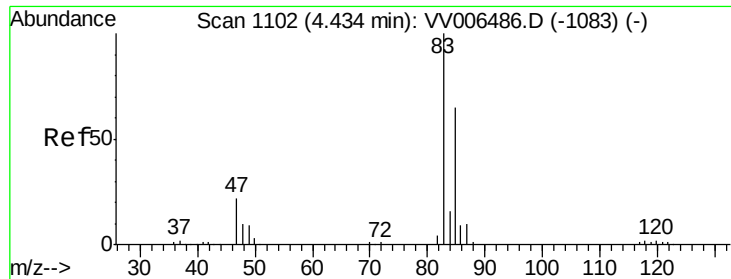
Bromochloromethane
Concen: 4.460 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 128 Resp: 47714
Ion Ratio Lower Upper
128 100
49 143.9 101.2 188.0
130 130.4 93.0 172.6
51 45.4 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

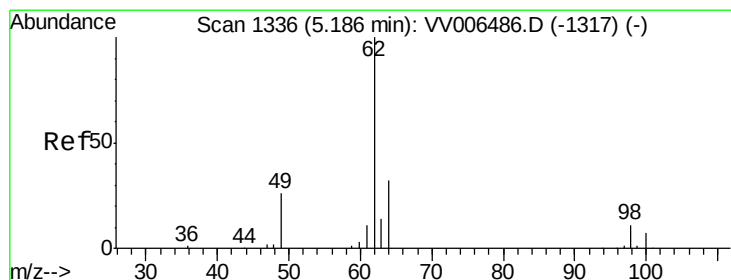
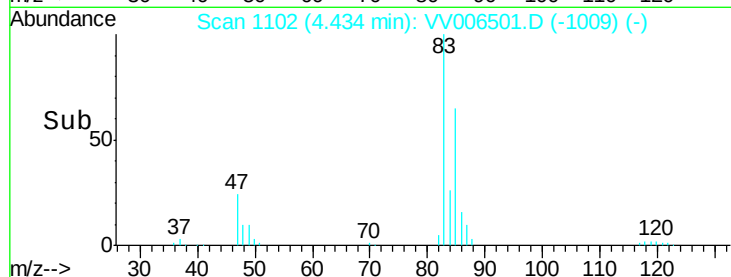
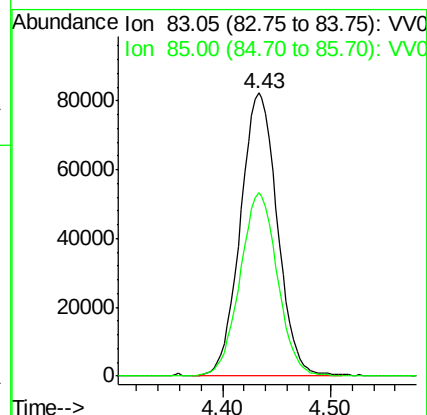
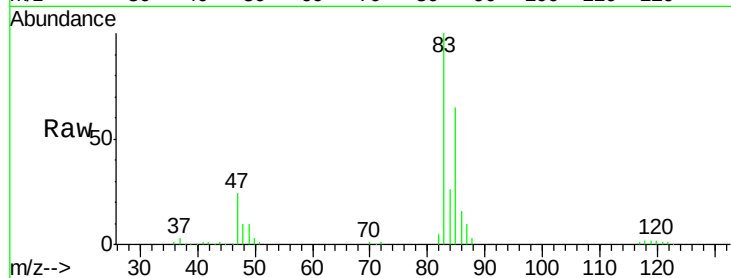




#25
Chloroform
Concen: 4.563 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

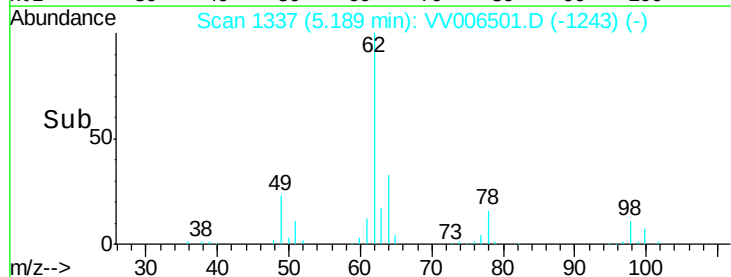
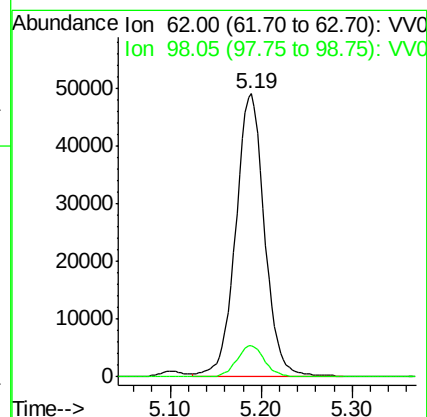
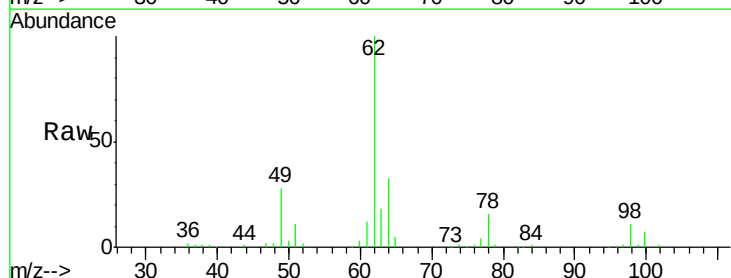
Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

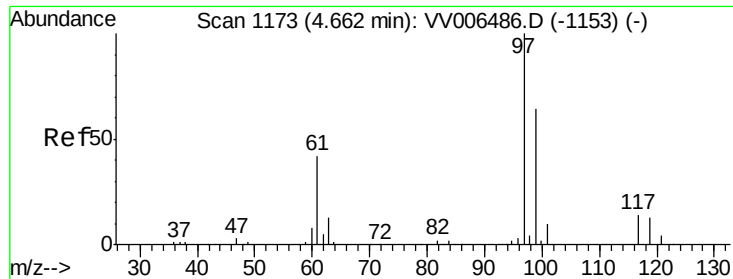
Tgt Ion: 83 Resp: 196109
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.474 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 62 Resp: 108050
Ion Ratio Lower Upper
62 100
98 11.2 8.8 13.2

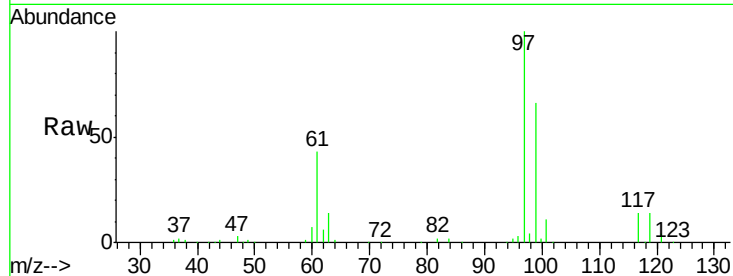




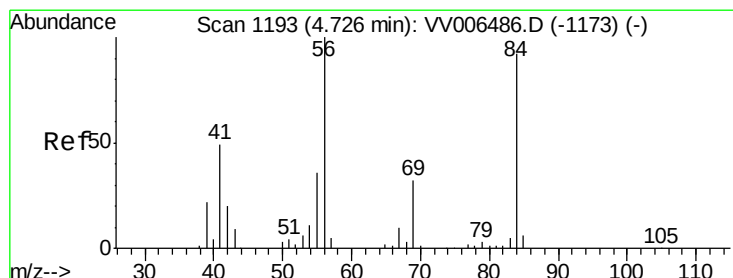
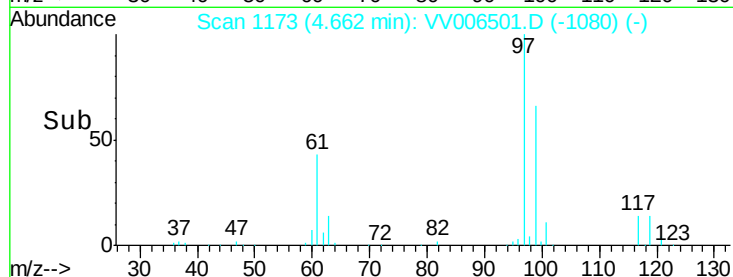
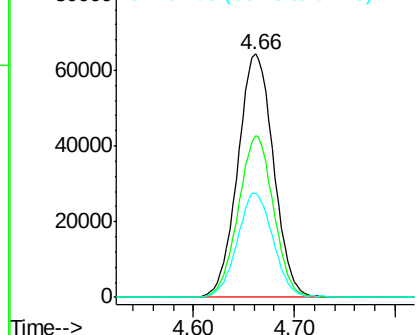
#29
 1,1,1-Trichloroethane
 Concen: 4.377 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Tgt Ion: 97 Resp: 157981
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.0 76.4
 61 42.5 33.8 50.6

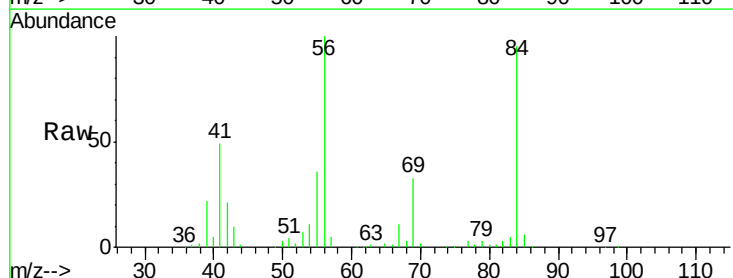


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

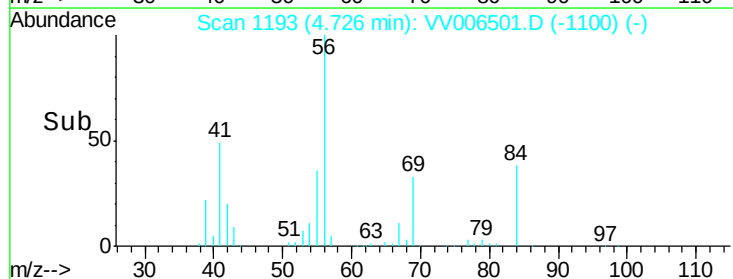
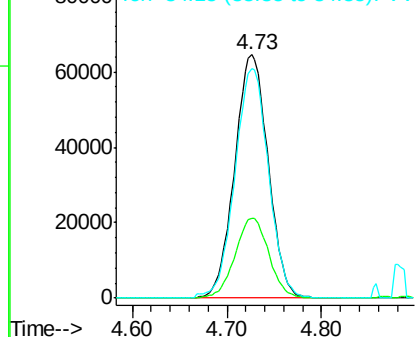


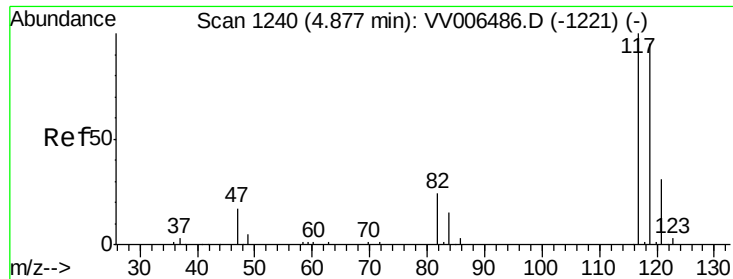
#30
 Cyclohexane
 Concen: 4.403 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion: 56 Resp: 158815
 Ion Ratio Lower Upper
 56 100
 69 33.1 25.6 38.4
 84 94.9 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: 4.397 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

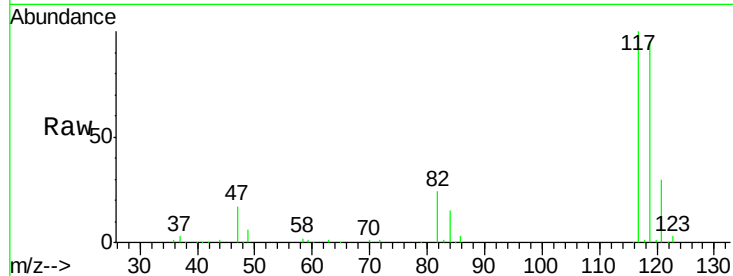
VSTD00501

Tgt Ion:117 Resp: 133095

Ion Ratio Lower Upper

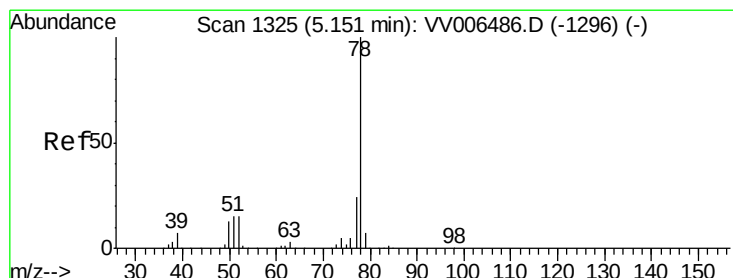
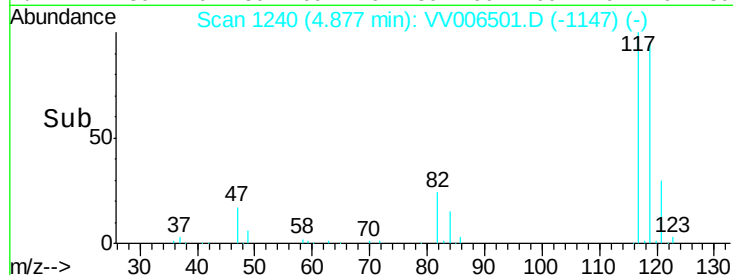
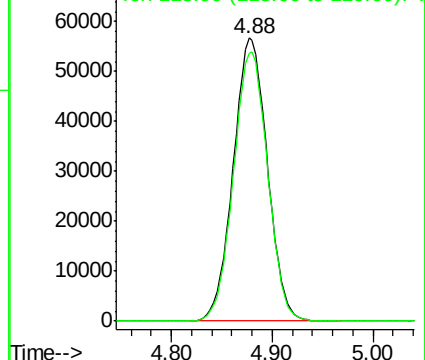
117 100

119 95.4 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: 4.537 ug/L

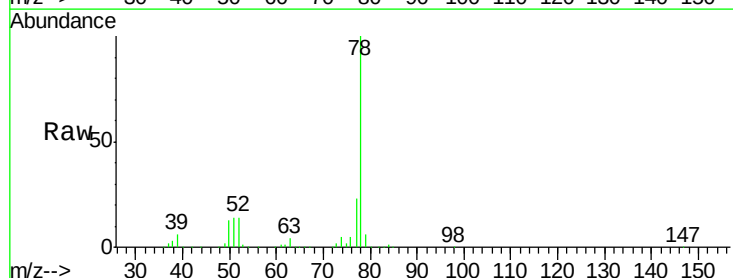
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

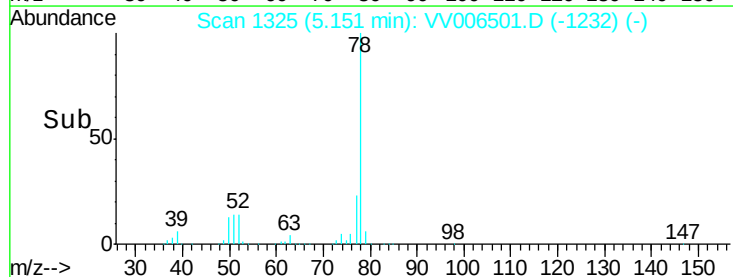
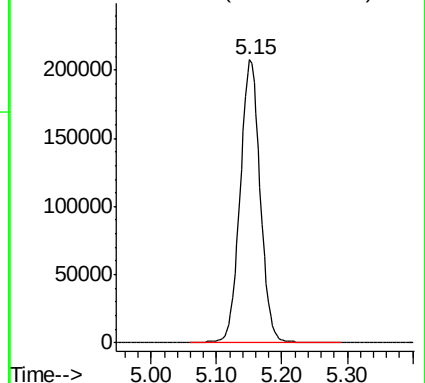
Lab File: VV006501.D

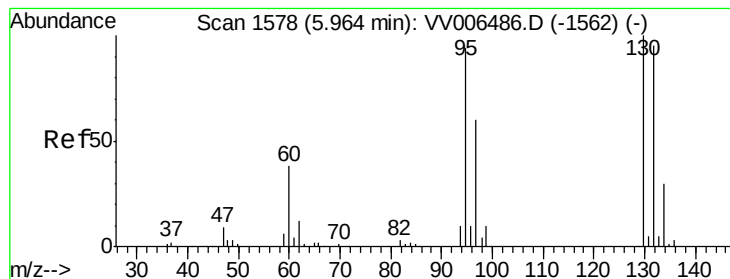
Acq: 29 Jun 2018 10:43

Tgt Ion: 78 Resp: 443413



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.362 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampled :

VSTD00501

Tgt Ion: 95 Resp: 121963

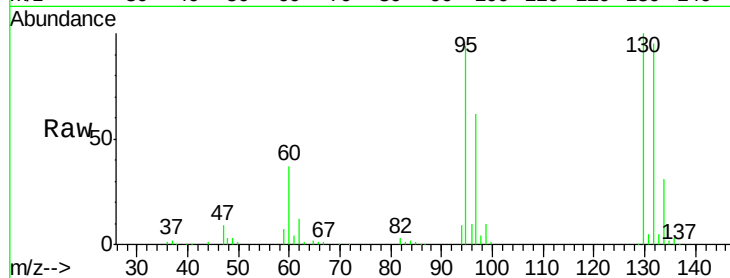
Ion Ratio Lower Upper

95 100

97 65.7 44.6 82.8

132 101.0 70.1 130.1

130 106.4 73.3 136.1



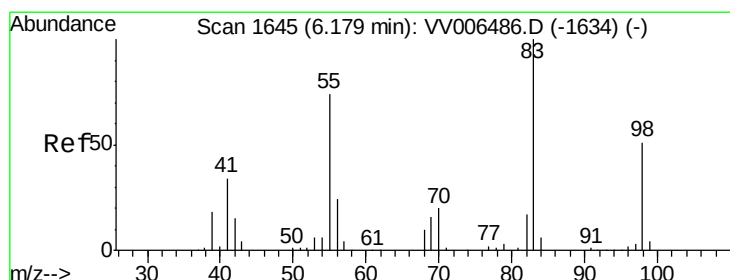
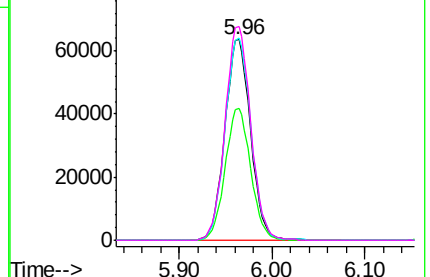
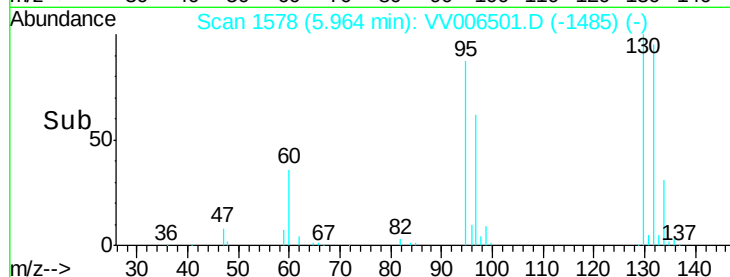
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 4.537 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

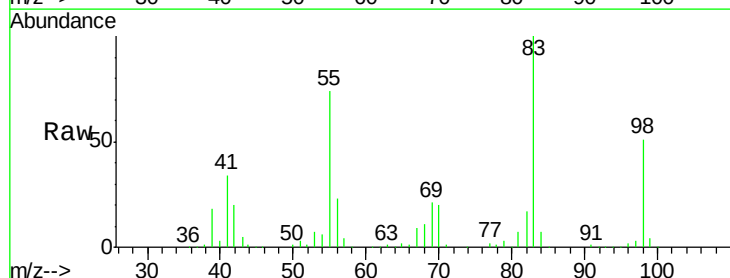
Tgt Ion: 83 Resp: 184466

Ion Ratio Lower Upper

83 100

55 72.1 57.5 86.3

98 52.0 39.6 59.4

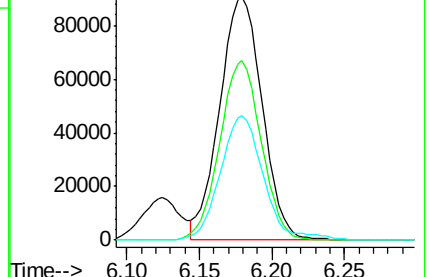
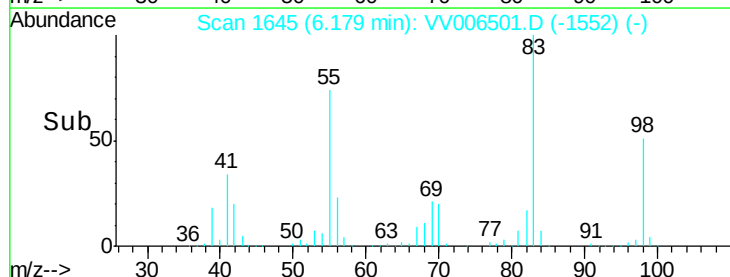


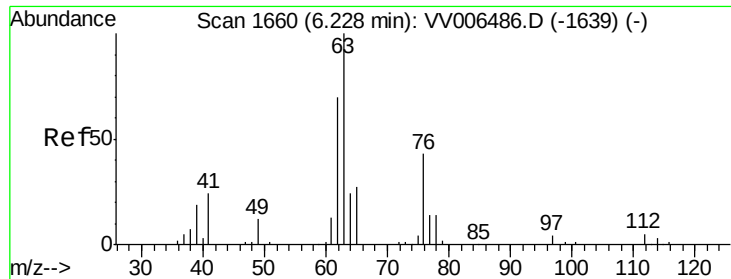
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

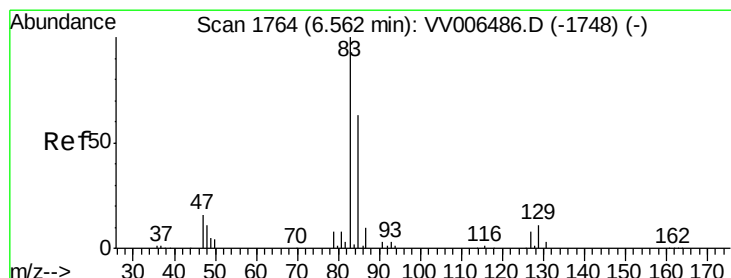
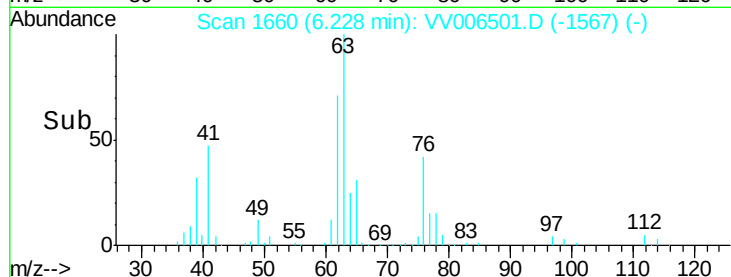
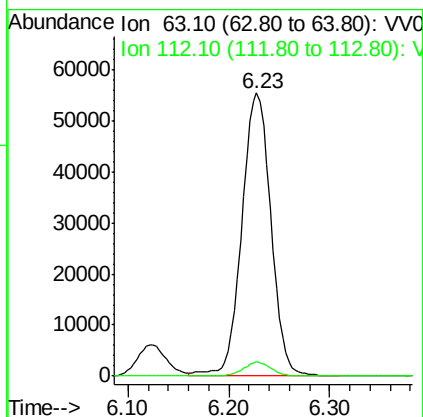
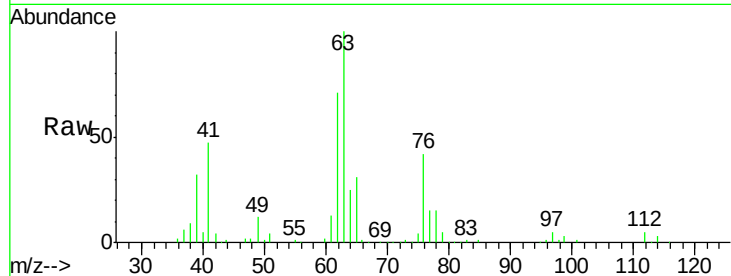




#37
 1,2-Dichloropropane
 Concen: 4.631 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

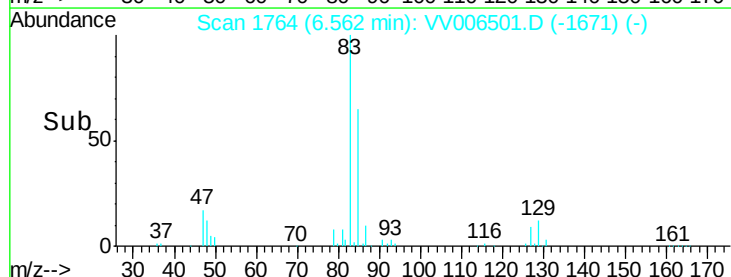
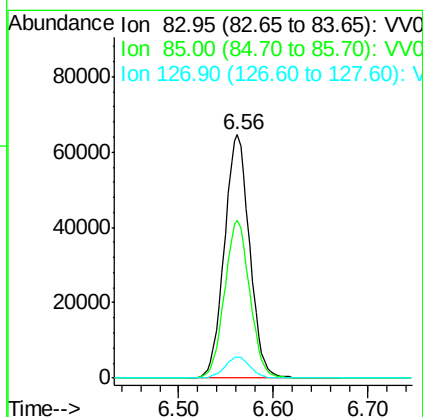
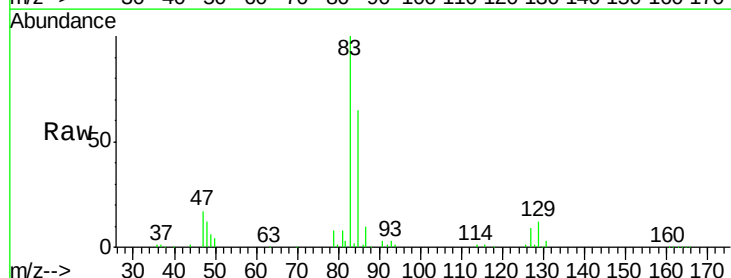
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

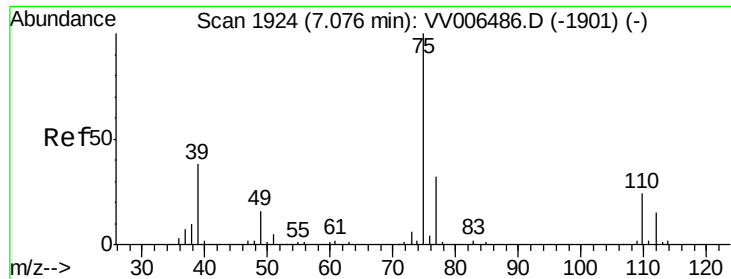
Tgt Ion: 63 Resp: 110609
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.346 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion: 83 Resp: 119483
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.9
 127 8.8 6.6 9.8

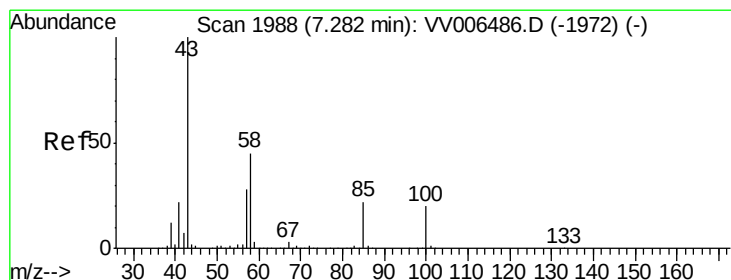
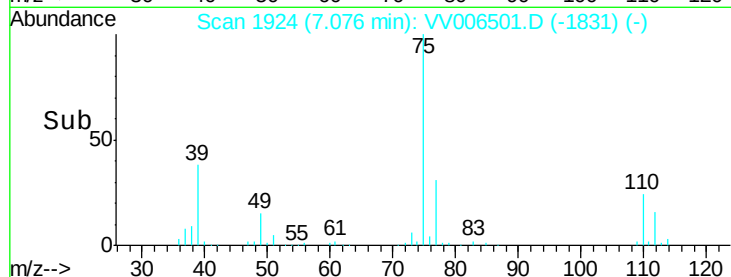
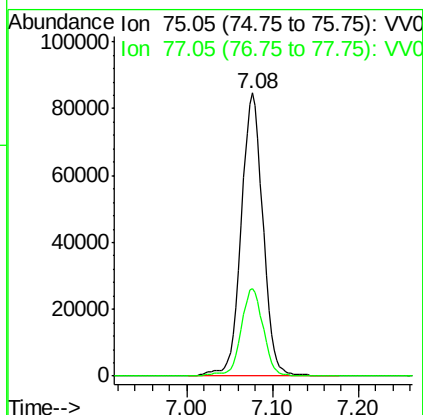
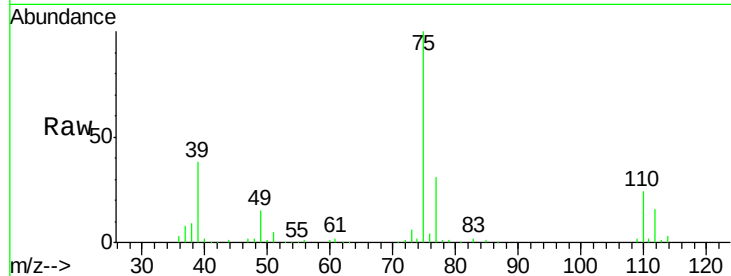




#39
 cis-1,3-Dichloropropene
 Concen: 4.486 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

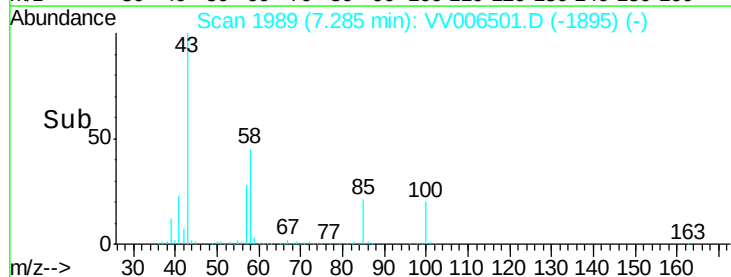
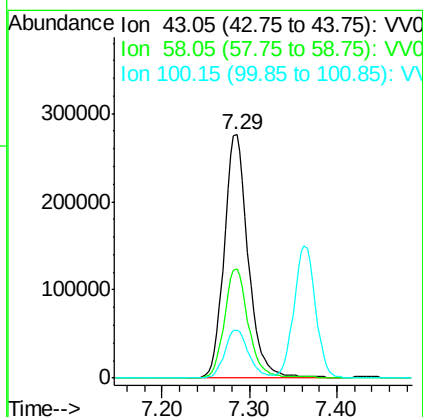
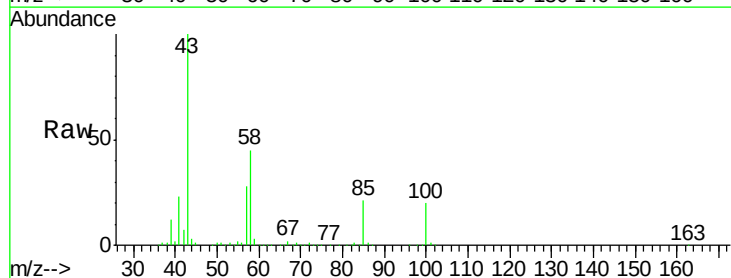
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

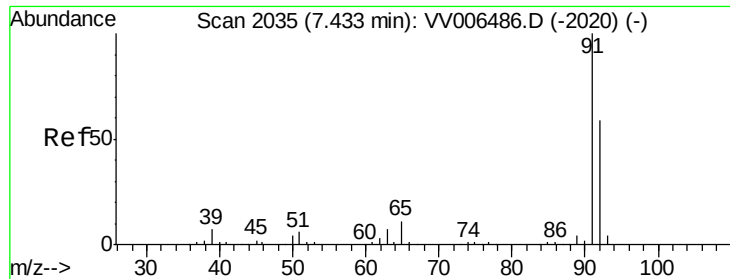
Tgt Ion: 75 Resp: 149115
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 45.369 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion: 43 Resp: 527280
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.4 53.2
 100 19.6 15.5 23.3





#42

Toluene

Concen: 4.533 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

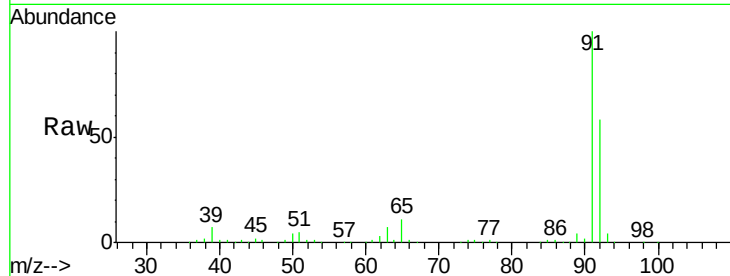
VSTD00501

Tgt Ion: 91 Resp: 469219

Ion Ratio Lower Upper

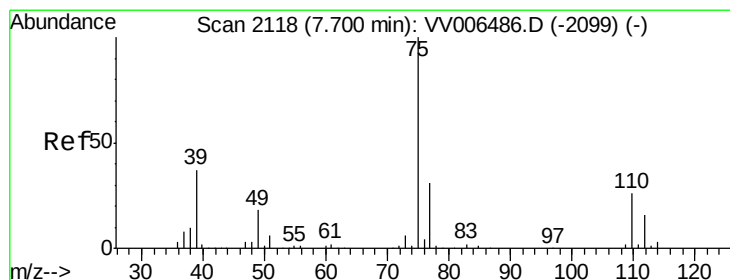
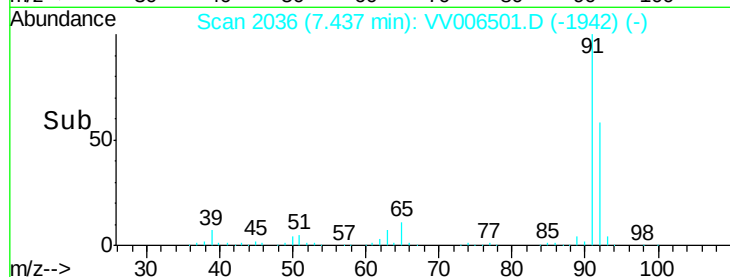
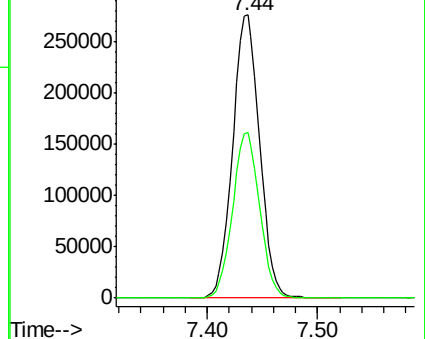
91 100

92 58.3 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.388 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006501.D

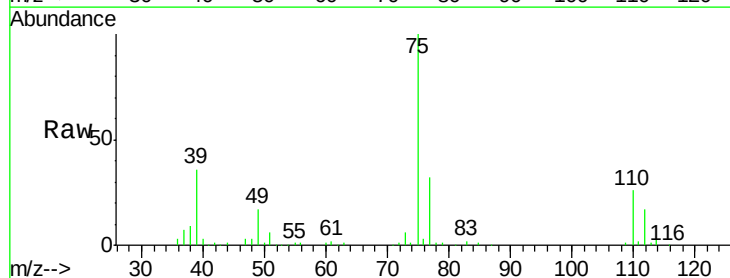
Acq: 29 Jun 2018 10:43

Tgt Ion: 75 Resp: 114379

Ion Ratio Lower Upper

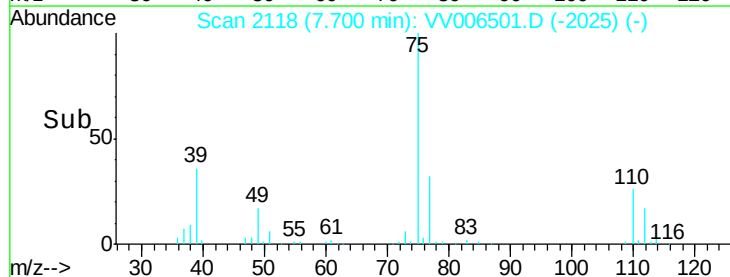
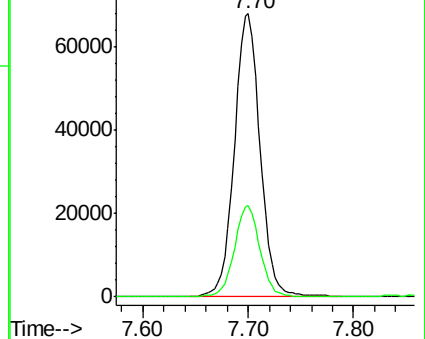
75 100

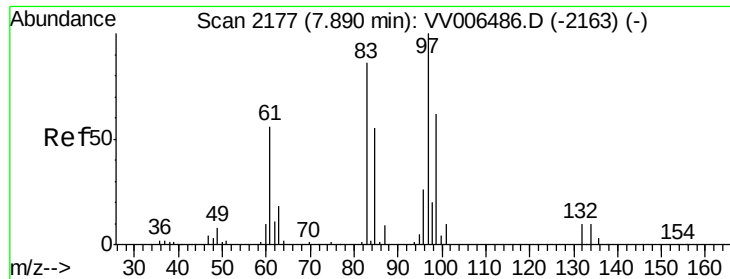
77 32.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

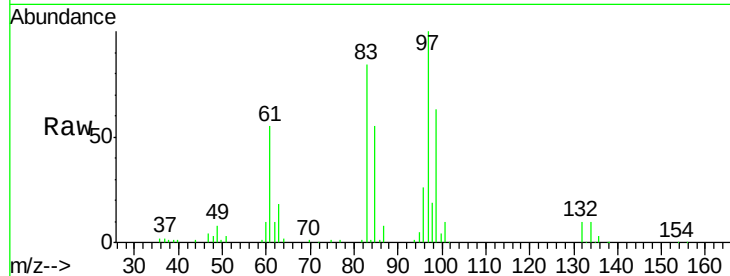




#45
 1,1,2-Trichloroethane
 Concen: 4.609 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Tgt Ion:	97	Resp:	76035
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	83.8	59.0	109.6
85	54.8	36.8	68.3

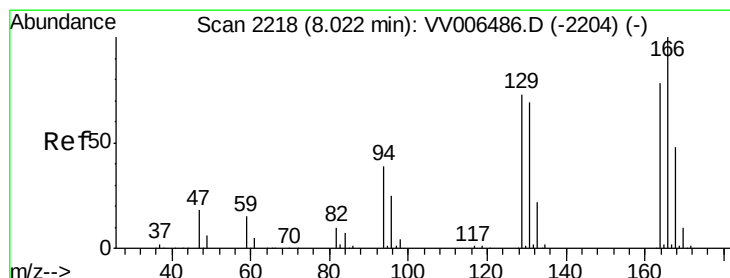
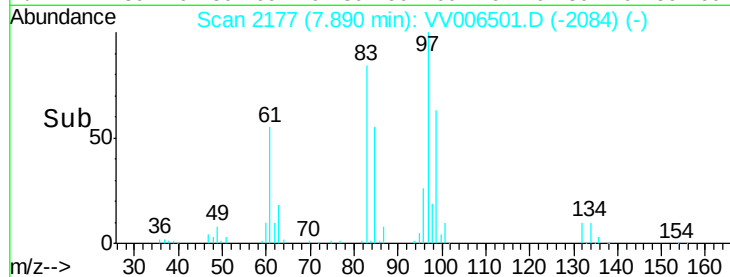
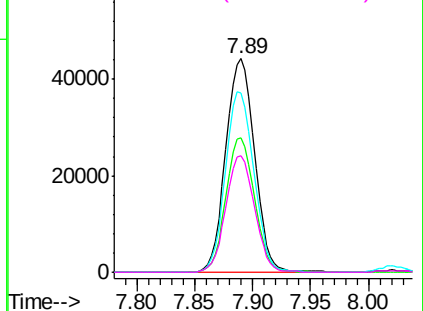


Abundance Ion 96.95 (96.65 to 97.65): VV006501.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006501.D (-2084) (-)

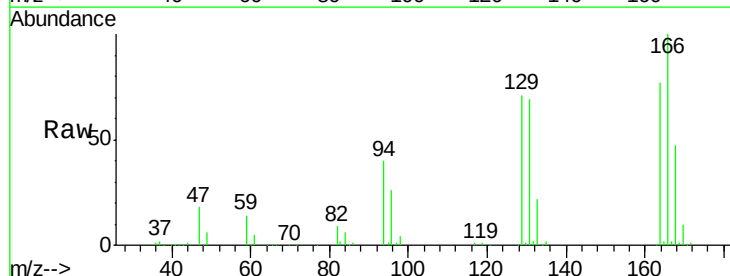
Ion 82.95 (82.65 to 83.65): VV006501.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006501.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.471 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion:	164	Resp:	94450
Ion	Ratio	Lower	Upper
164	100		
129	91.9	64.0	118.8
131	88.8	61.7	114.5
166	129.3	89.0	165.2

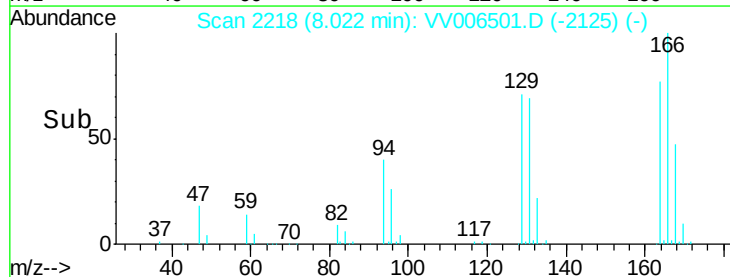
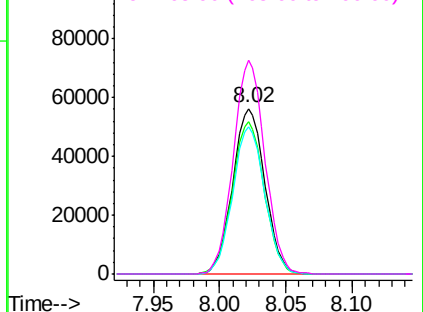


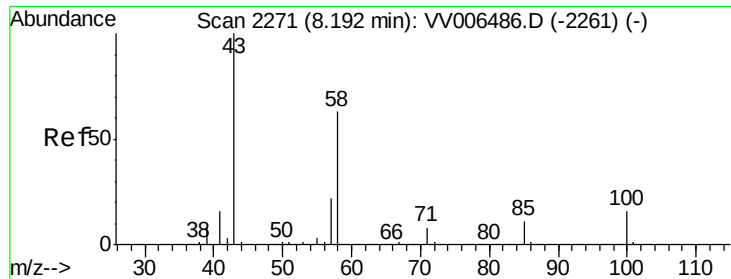
Abundance Ion 163.90 (163.60 to 164.60): VV006501.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006501.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006501.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006501.D (-2125) (-)

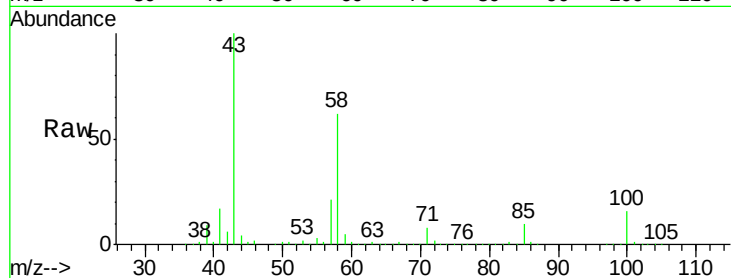




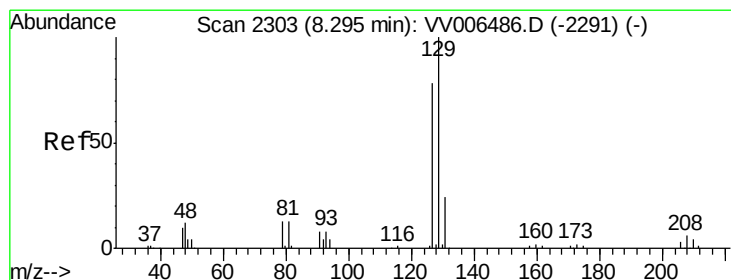
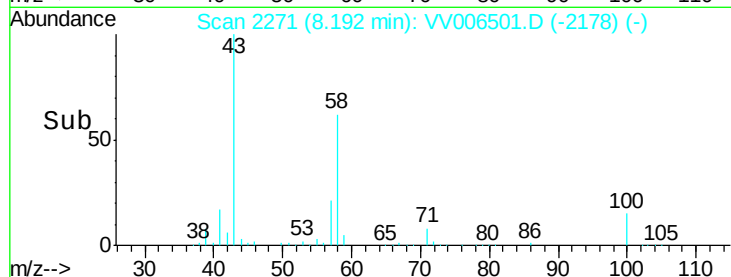
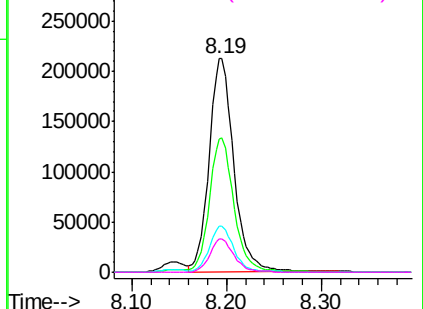
#48
2-Hexanone
Concen: 46.131 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion: 43 Resp: 385710
Ion Ratio Lower Upper
43 100
58 64.2 49.9 74.9
57 21.7 17.3 25.9
100 15.4 12.5 18.7

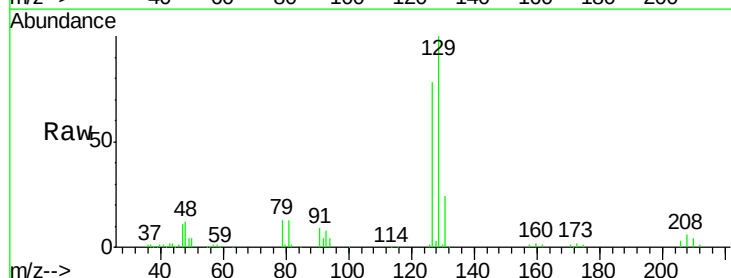


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

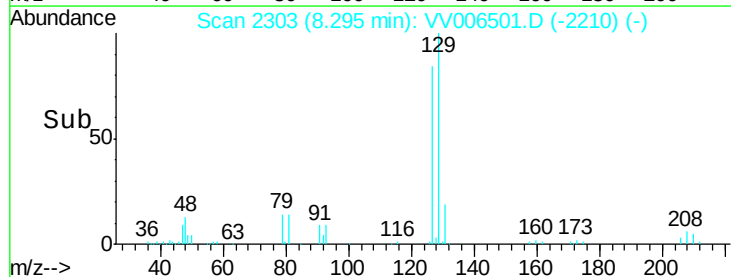
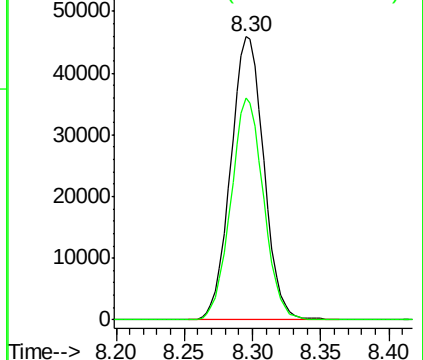


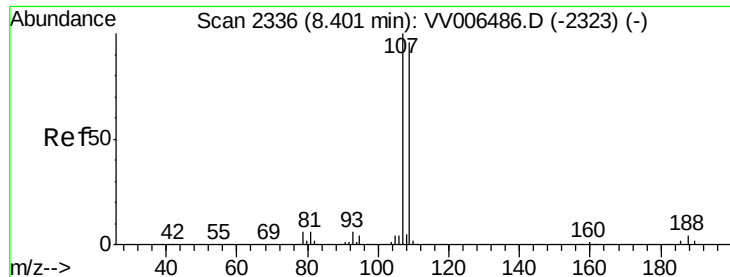
#49
Dibromochloromethane
Concen: 4.399 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion: 129 Resp: 77367
Ion Ratio Lower Upper
129 100
127 78.2 54.0 100.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

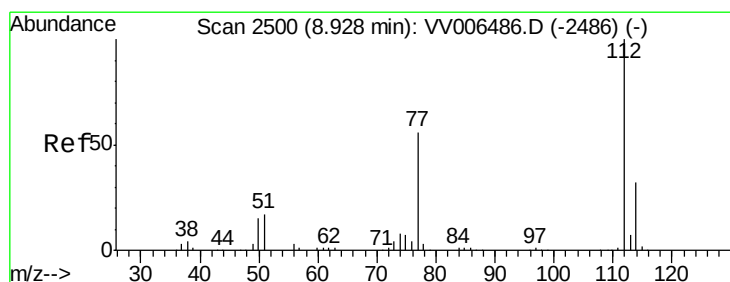
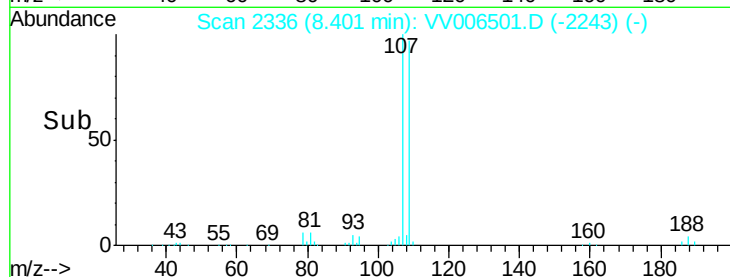
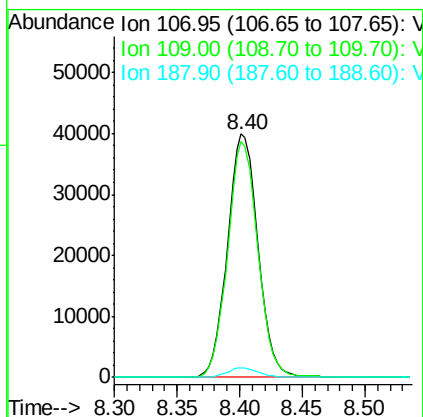
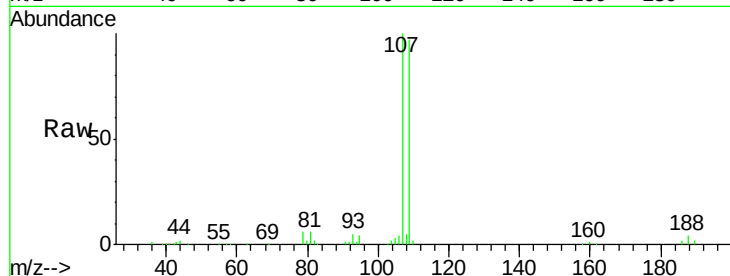




#50
1,2-Dibromoethane
Concen: 4.542 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

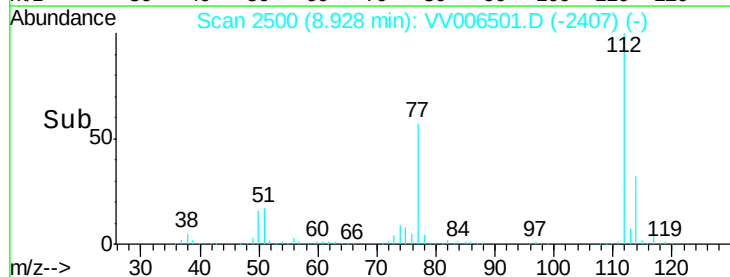
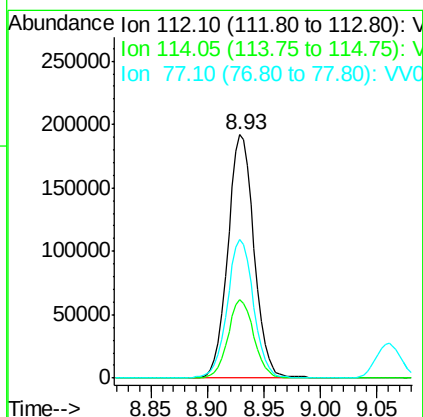
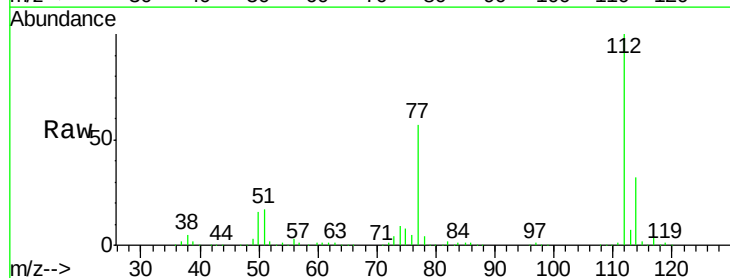
Instrument :
MSVOA_V
ClientSampled :
VSTD00501

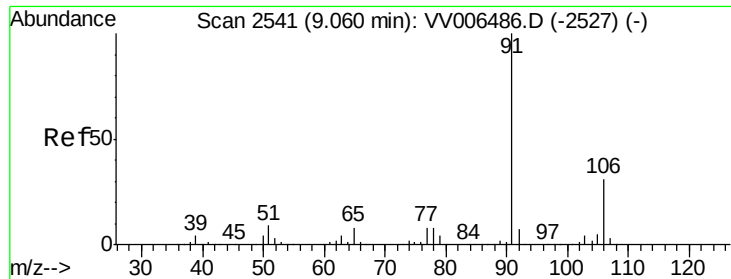
Tgt Ion:107 Resp: 67354
Ion Ratio Lower Upper
107 100
109 96.9 64.3 119.5
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 4.516 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion:112 Resp: 309271
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 57.0 44.6 66.8





#52

Ethylbenzene

Concen: 4.545 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

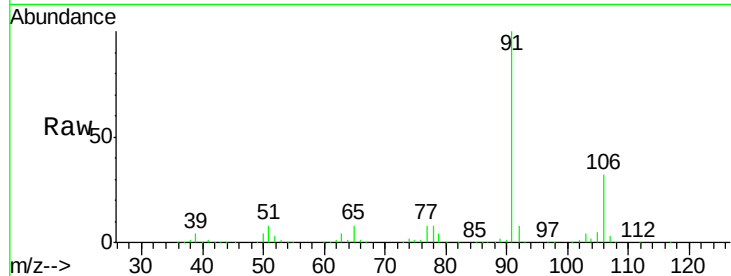
VSTD00501

Tgt Ion: 91 Resp: 509337

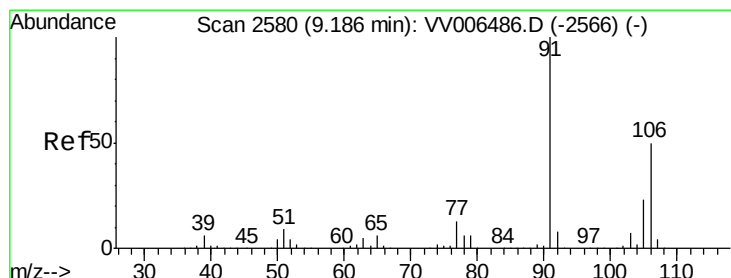
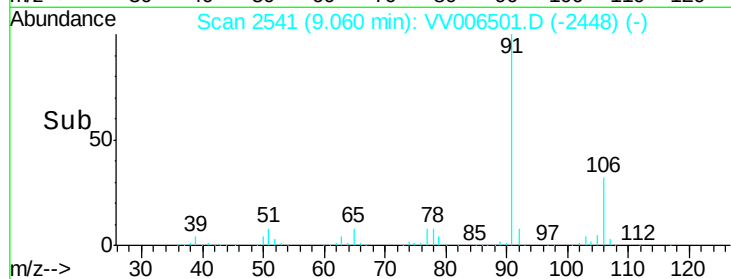
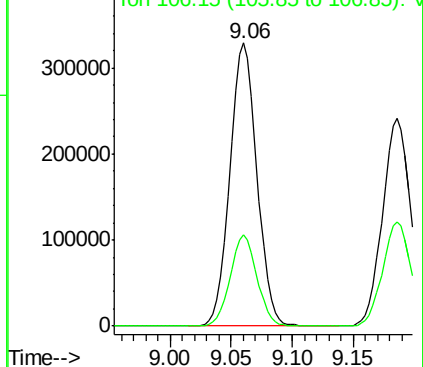
Ion Ratio Lower Upper

91 100

106 32.1 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006501.D (-2448) (-)



#53

m,p-xylene

Concen: 4.540 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006501.D

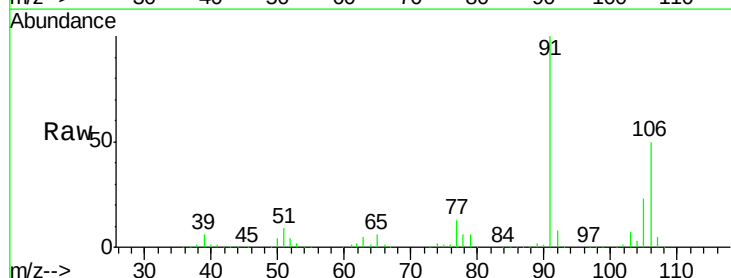
Acq: 29 Jun 2018 10:43

Tgt Ion: 106 Resp: 196193

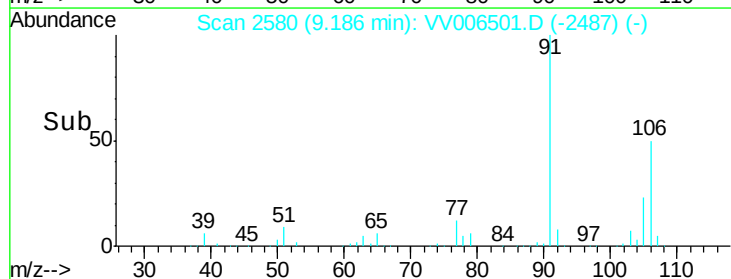
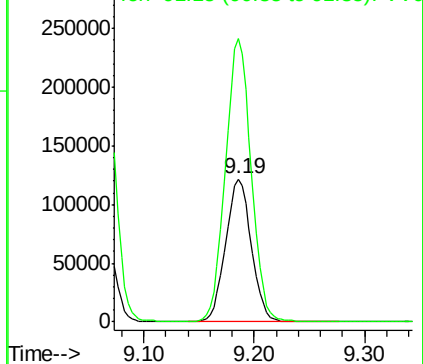
Ion Ratio Lower Upper

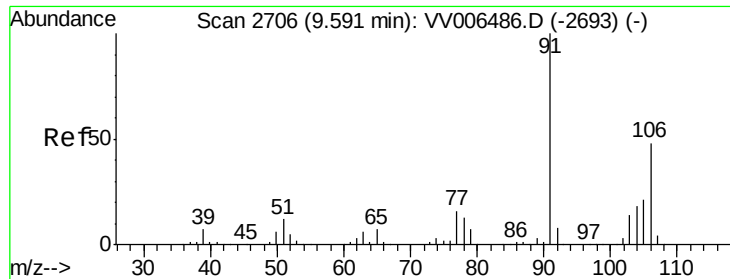
106 100

91 198.4 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006501.D (-2487) (-)

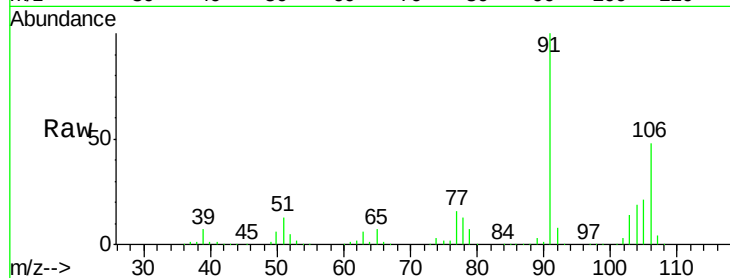




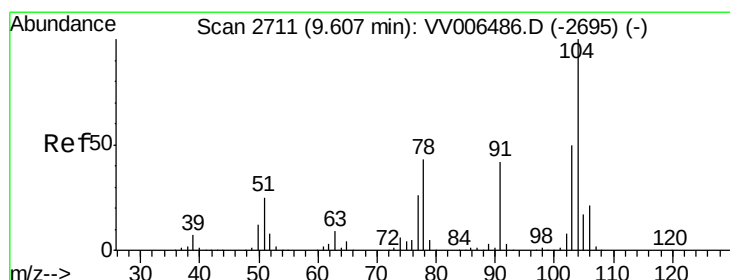
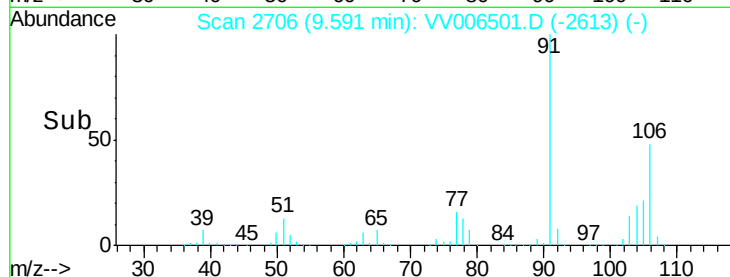
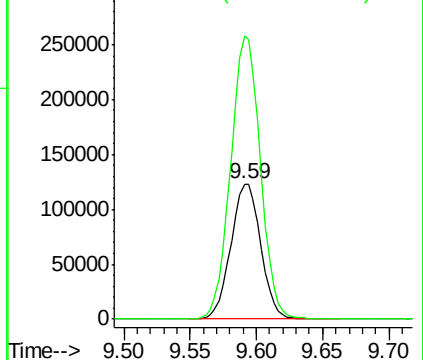
#54
o-xylene
Concen: 4.557 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion:106 Resp: 193196
Ion Ratio Lower Upper
106 100
91 209.1 145.7 270.7

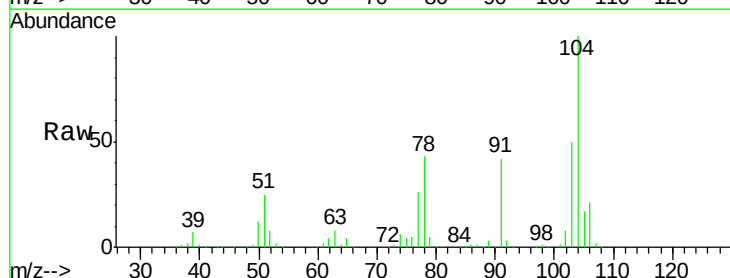


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

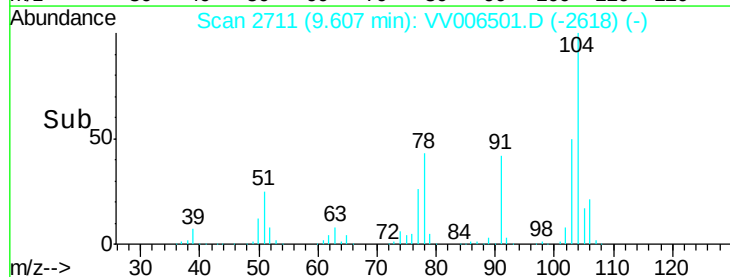
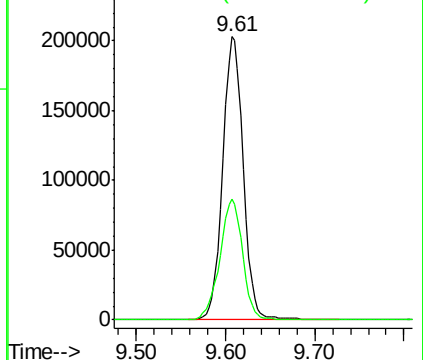


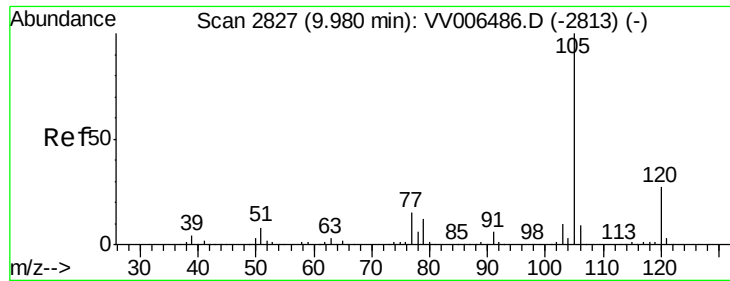
#55
Styrene
Concen: 4.669 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV006501.D
Acq: 29 Jun 2018 10:43

Tgt Ion:104 Resp: 323855
Ion Ratio Lower Upper
104 100
78 42.7 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: 4.590 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

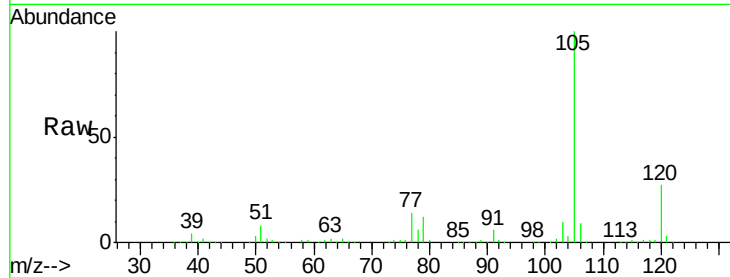
Tgt Ion: 105 Resp: 507101

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

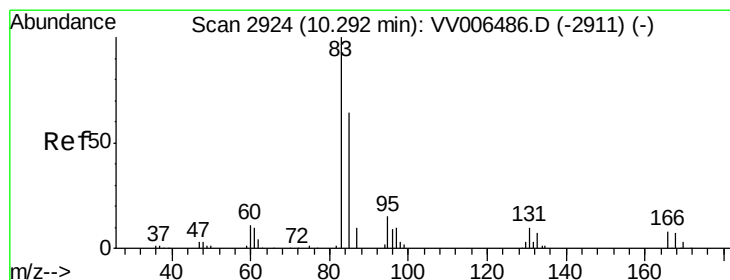
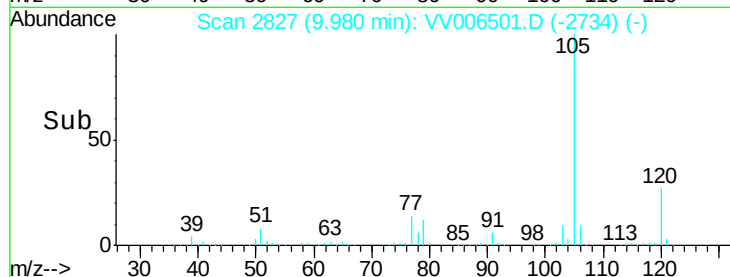
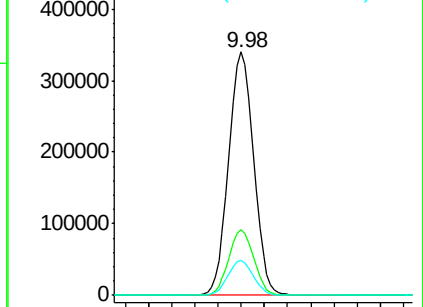
77 14.6 11.8 17.8



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: 4.498 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

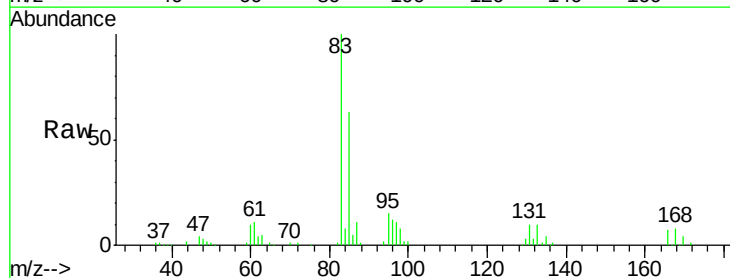
Tgt Ion: 83 Resp: 69976

Ion Ratio Lower Upper

83 100

85 63.2 44.8 83.2

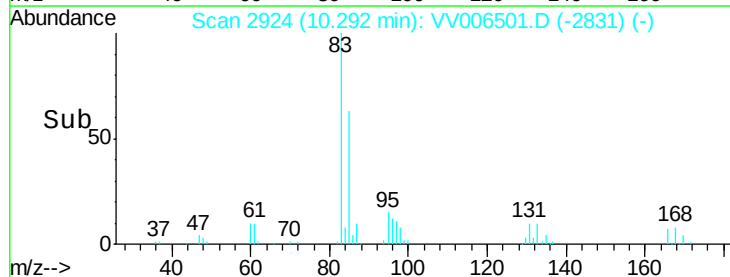
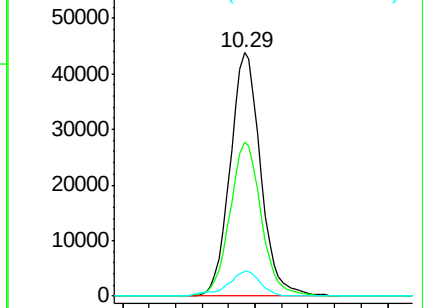
131 10.2 7.9 11.9

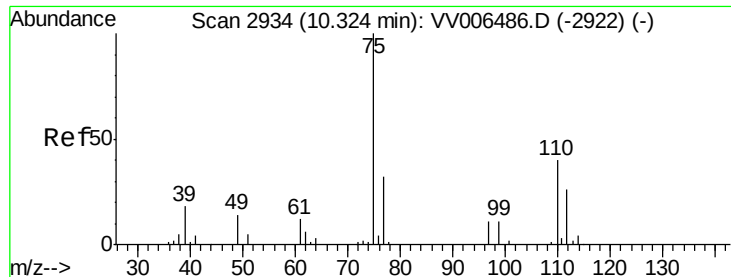


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

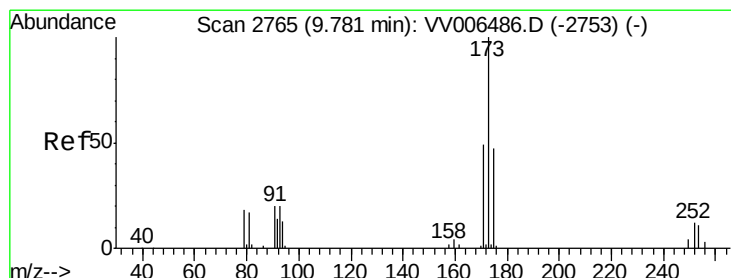
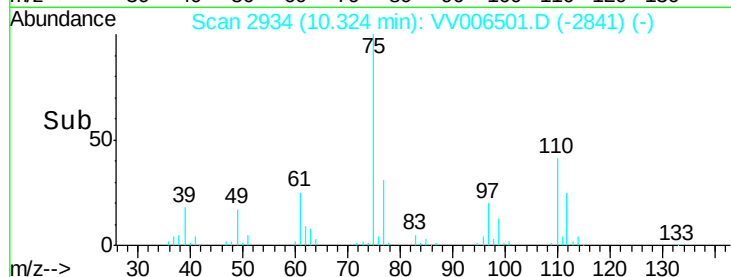
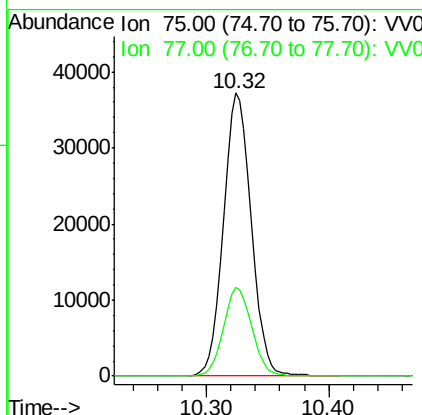
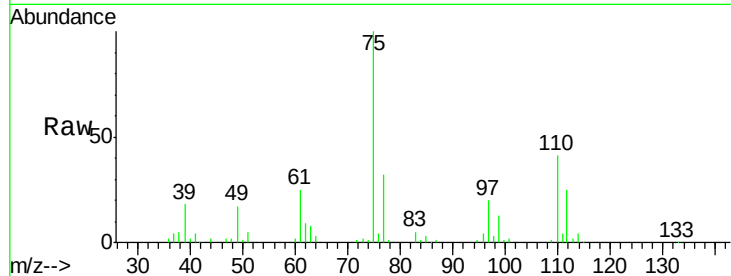




#59
 1,2,3-Trichloropropane
 Concen: 4.580 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

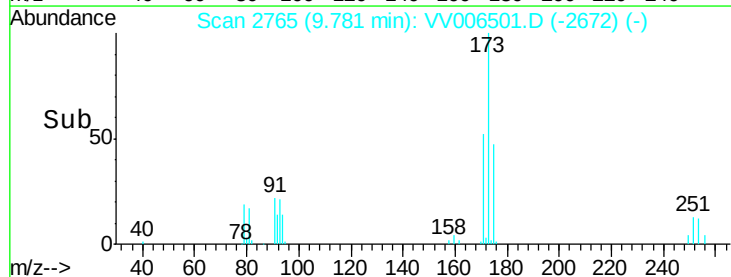
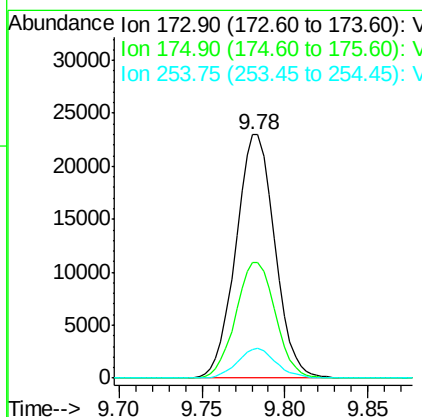
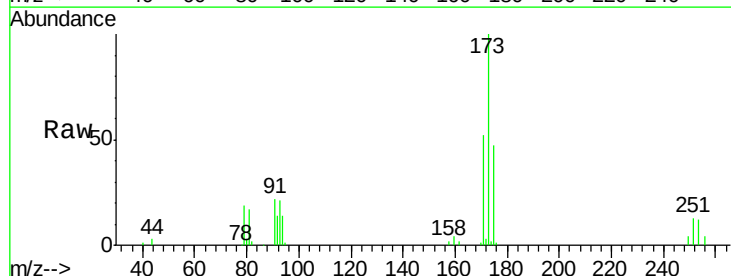
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

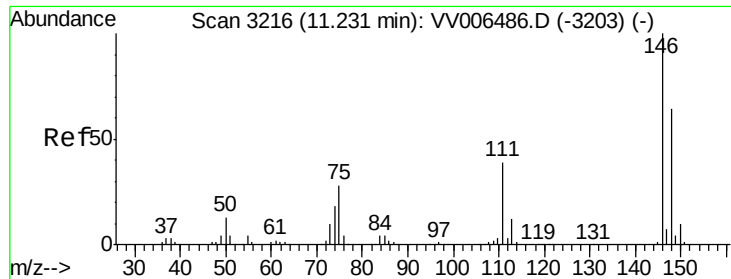
Tgt Ion: 75 Resp: 59508
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 4.206 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion: 173 Resp: 37613
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.8 58.2
 254 12.0 9.0 13.6

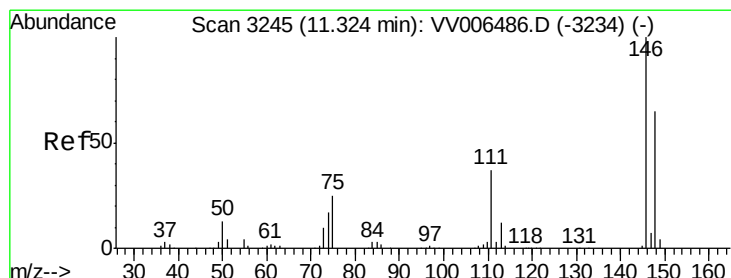
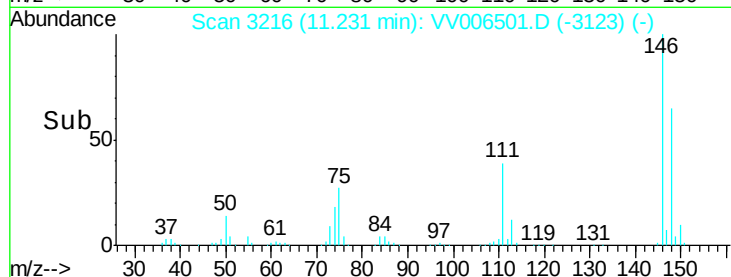
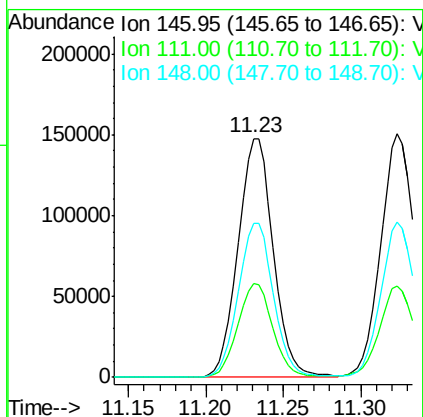
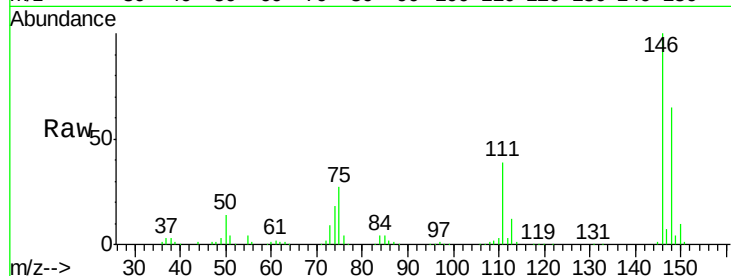




#62
 1,3-Dichlorobenzene
 Concen: 4.466 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

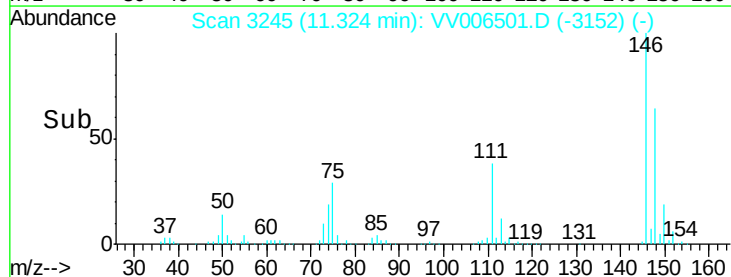
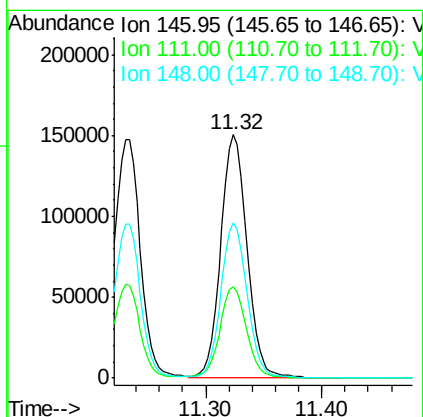
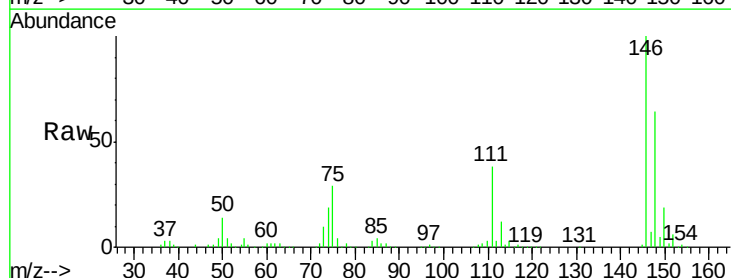
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

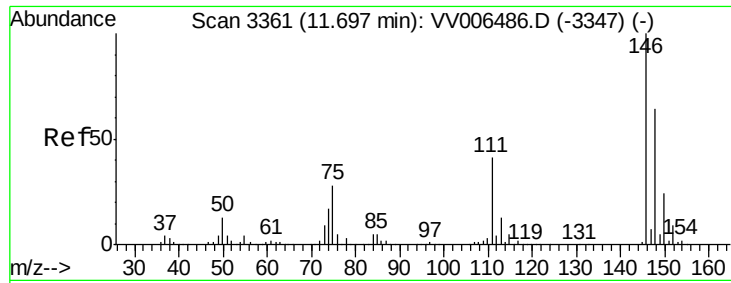
Tgt Ion:146 Resp: 234401
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 64.5 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.511 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion:146 Resp: 236815
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.3 48.9
 148 63.7 44.0 81.6

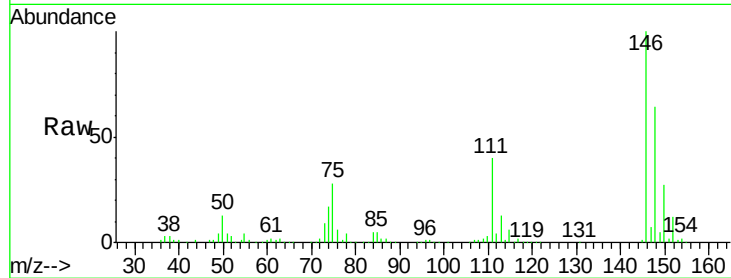




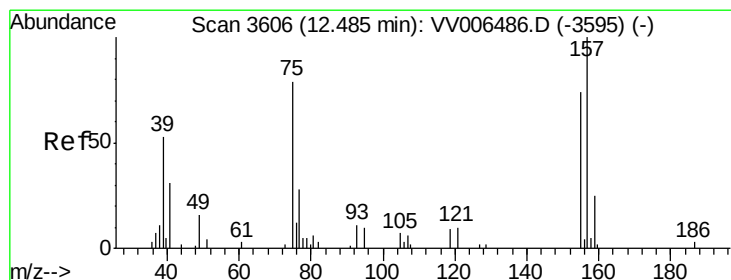
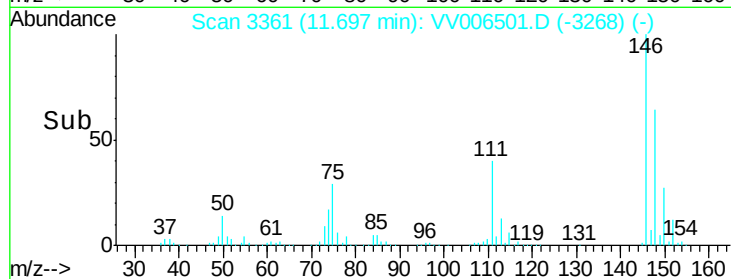
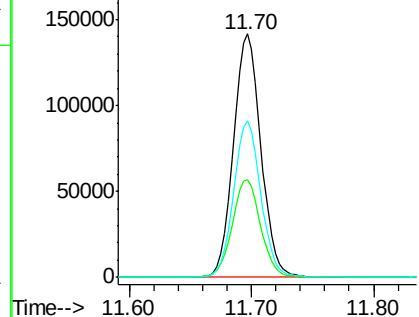
#65
 1,2-Dichlorobenzene
 Concen: 4.525 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Tgt Ion: 146 Resp: 222307
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.0 48.0
 148 64.1 50.8 76.2

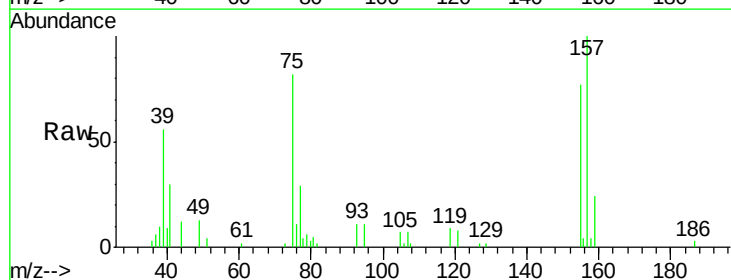


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

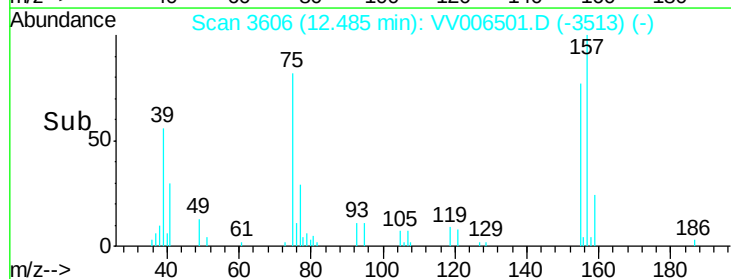
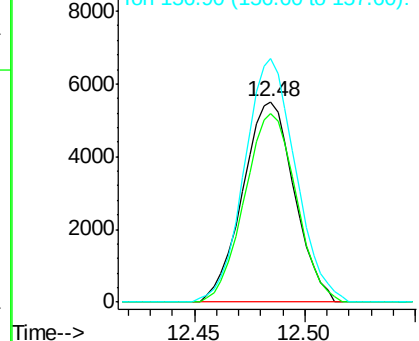


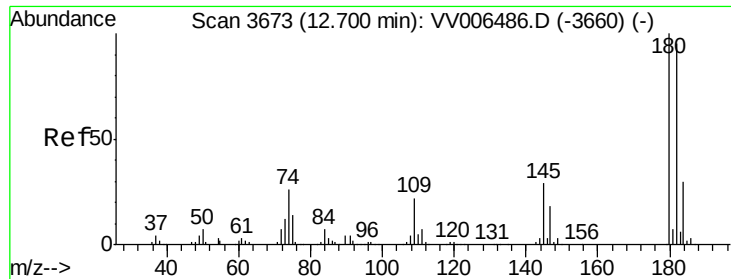
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.283 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion: 75 Resp: 8941
 Ion Ratio Lower Upper
 75 100
 155 93.9 73.9 110.9
 157 121.4 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

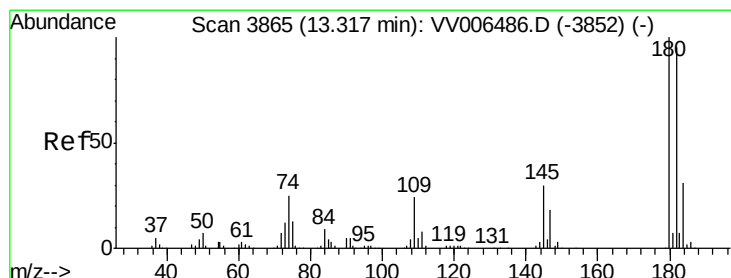
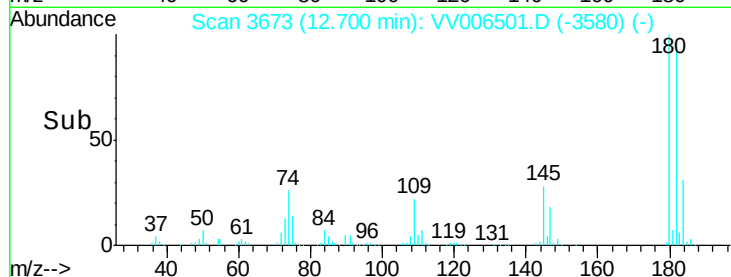
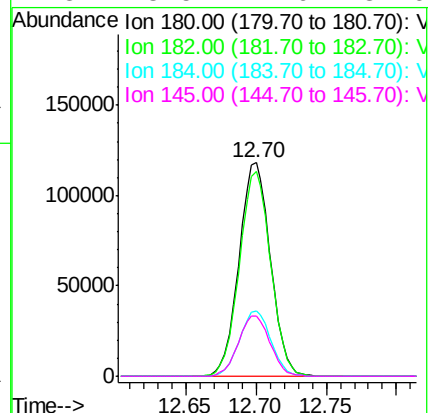
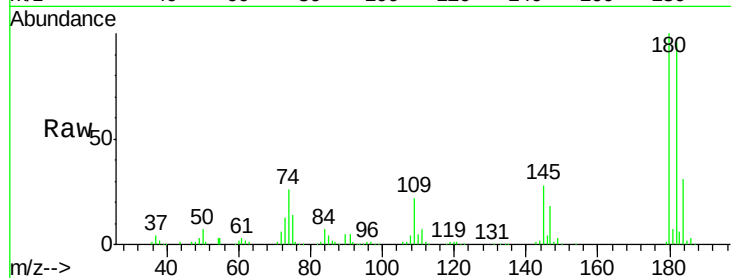




#67
 1,3,5-Trichlorobenzene
 Concen: 4.624 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

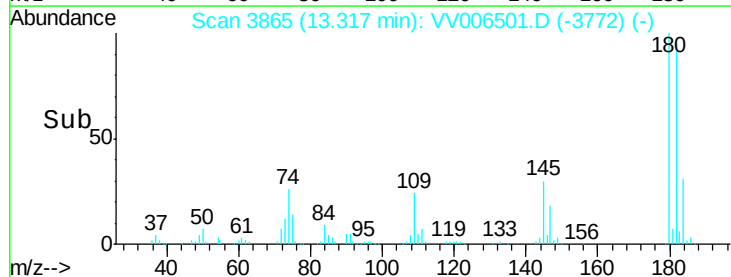
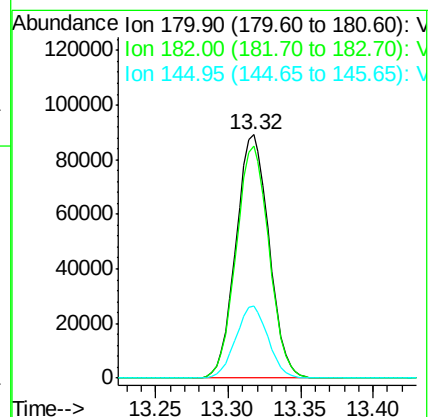
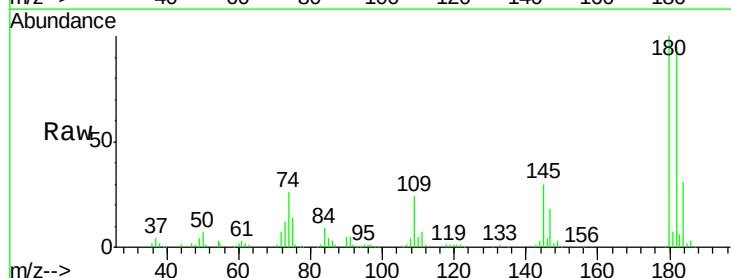
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

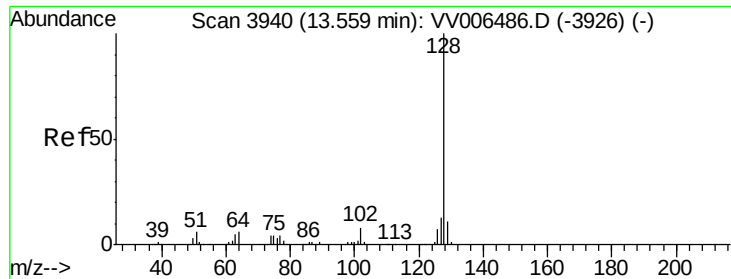
Tgt Ion:180 Resp: 184437
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 184 30.6 24.5 36.7
 145 28.5 22.6 34.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.822 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006501.D
 Acq: 29 Jun 2018 10:43

Tgt Ion:180 Resp: 141040
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.7 115.1
 145 29.0 23.0 34.6





#69

Naphthalene

Concen: 4.628 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

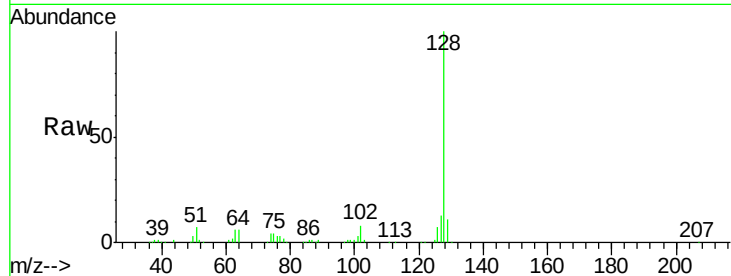
Tgt Ion:128 Resp: 197828

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

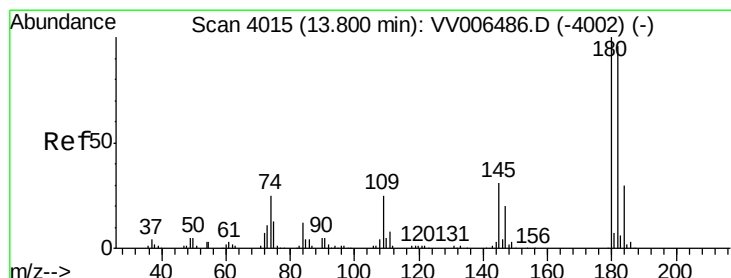
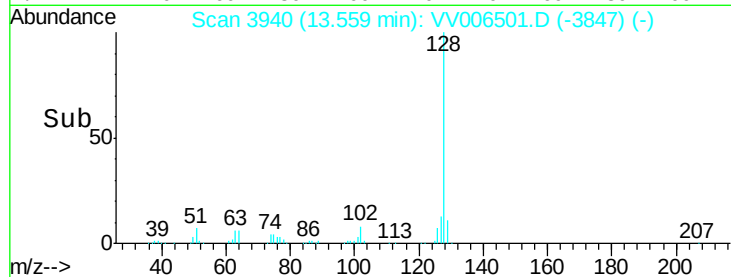
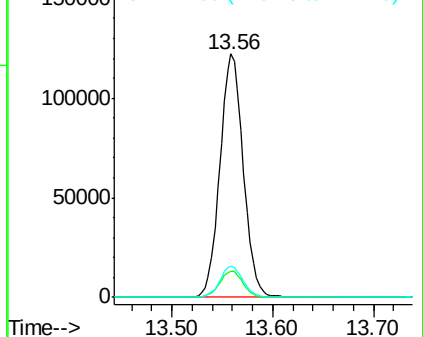
127 12.7 10.2 15.4



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: 4.805 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006501.D

Acq: 29 Jun 2018 10:43

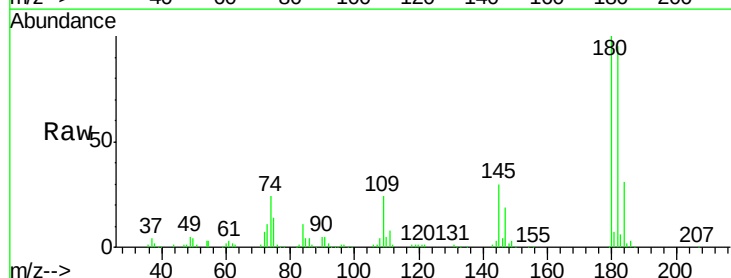
Tgt Ion:180 Resp: 130829

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

145 30.7 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

