

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062818\
 Data File : VV006499.D
 Acq On : 28 Jun 2018 19:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Quant Time: Jun 29 03:53:38 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	295809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	269296	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	129755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110790	5.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.00%
7) Chloroethane-d5	1.58	69	91333	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.60%
11) 1,1-Dichloroethene-d2	2.13	63	181604	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	3.98	46	240087	65.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.74%#
24) Chloroform-d	4.41	84	183506	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.09	65	89456	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.11	84	385648	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.12	67	117617	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	7.37	98	356664	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.67	79	38515	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.14	63	204531	67.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.16%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78610	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.60%#
64) 1,2-Dichlorobenzene-d4	11.68	152	128945	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	94239	4.347 ug/L	99
3) Chloromethane	1.26	50	102027	4.591 ug/L	100
5) Vinyl chloride	1.32	62	111570	4.621 ug/L	100
6) Bromomethane	1.54	94	42588	3.046 ug/L	99
8) Chloroethane	1.60	64	70649	4.613 ug/L	100
9) Trichlorofluoromethane	1.77	101	132754	4.574 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83782	4.596 ug/L	100
12) 1,1-Dichloroethene	2.14	96	81672	4.565 ug/L	99
13) Acetone	2.23	43	133677	59.838 ug/L	100
14) Carbon disulfide	2.32	76	184447	3.651 ug/L	100
15) Methyl Acetate	2.48	43	37687	5.729 ug/L	99
16) Methylene chloride	2.54	84	97451	4.651 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	226888	5.233 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	90393	4.615 ug/L	98
19) 1,1-Dichloroethane	3.23	63	166249	4.766 ug/L	99
21) 2-Butanone	4.06	43	223429	55.342 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	102199	4.745 ug/L	99

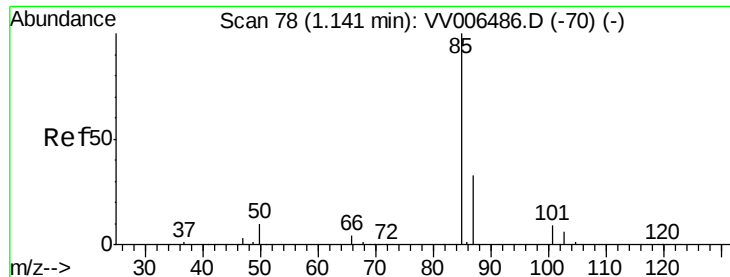
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062818\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 29 03:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	44142	5.044	ug/L	92
25) Chloroform	4.44	83	170914	4.861	ug/L	99
27) 1,2-Dichloroethane	5.19	62	100261	5.075	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	130680	4.450	ug/L	99
30) Cyclohexane	4.73	56	123366	4.203	ug/L	99
31) Carbon tetrachloride	4.88	117	104453	4.240	ug/L	99
33) Benzene	5.15	78	380243	4.781	ug/L	100
34) Trichloroethene	5.96	95	101185	4.448	ug/L	98
35) Methylcyclohexane	6.18	83	141441	4.276	ug/L	99
37) 1,2-Dichloropropane	6.23	63	94933	4.885	ug/L	100
38) Bromodichloromethane	6.56	83	103211	4.614	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	124058	4.587	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	530577	56.104	ug/L	100
42) Toluene	7.44	91	392263	4.657	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	96168	4.534	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	70265	5.235	ug/L	99
47) Tetrachloroethene	8.02	164	75105	4.369	ug/L	99
48) 2-Hexanone	8.20	43	390356	57.375	ug/L	100
49) Dibromochloromethane	8.30	129	67151	4.693	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63225	5.240	ug/L	96
51) Chlorobenzene	8.93	112	257902	4.628	ug/L	99
52) Ethylbenzene	9.06	91	411405	4.512	ug/L	100
53) m,p-xylene	9.19	106	160093	4.553	ug/L	97
54) o-xylene	9.59	106	157982	4.580	ug/L	99
55) Styrene	9.61	104	270796	4.798	ug/L	100
56) Isopropylbenzene	9.98	105	403556	4.489	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	69719	5.507	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	57358	5.426	ug/L	99
61) Bromoform	9.78	173	32768	4.500	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	194926	4.561	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	196507	4.597	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	192068	4.801	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8159	4.800	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	146053	4.497	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	114171	4.794	ug/L	99
69) Naphthalene	13.56	128	181499	5.214	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	110592	4.989	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.347 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

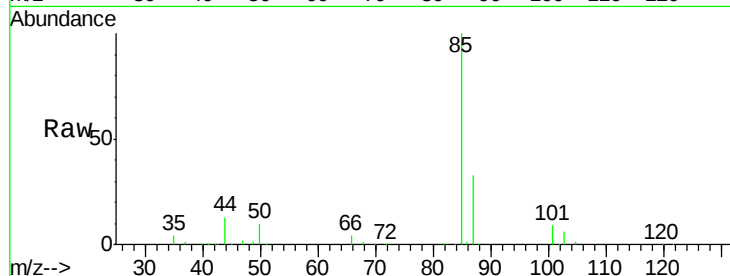
VSTD00567

Tgt Ion: 85 Resp: 94239

Ion Ratio Lower Upper

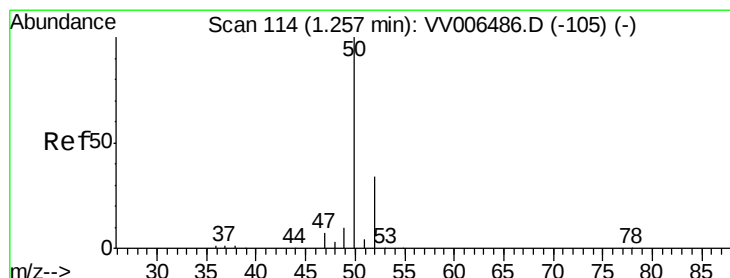
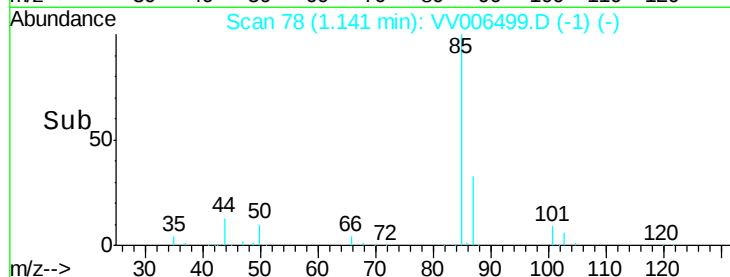
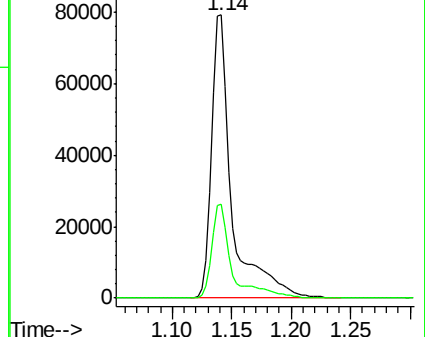
85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006486.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006486.D (-70) (-)



#3

Chloromethane

Concen: 4.591 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006499.D

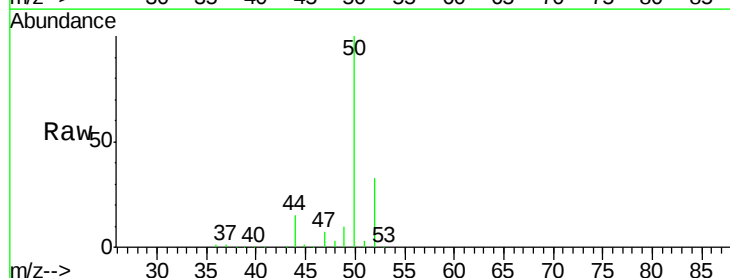
Acq: 28 Jun 2018 19:45

Tgt Ion: 50 Resp: 102027

Ion Ratio Lower Upper

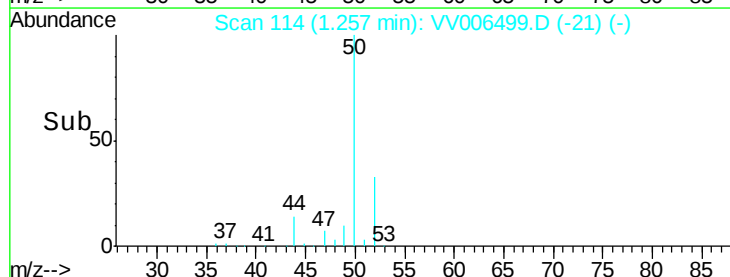
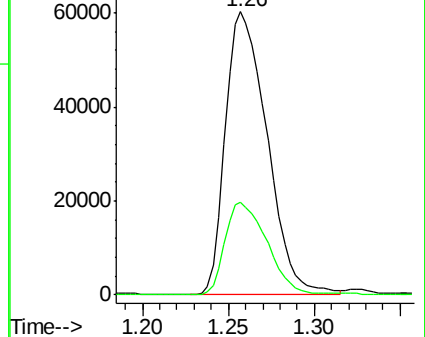
50 100

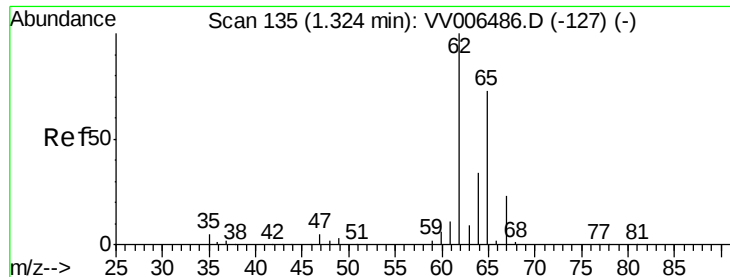
52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006486.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006486.D (-105) (-)





#5

Vinyl chloride

Concen: 4.621 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

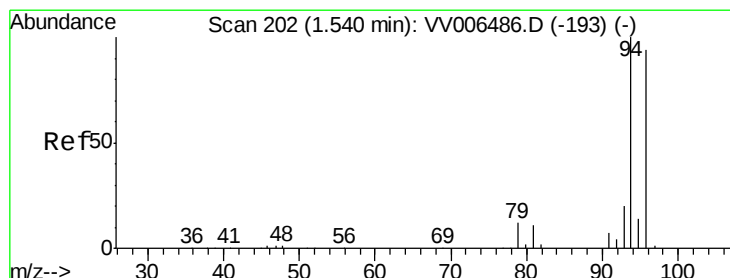
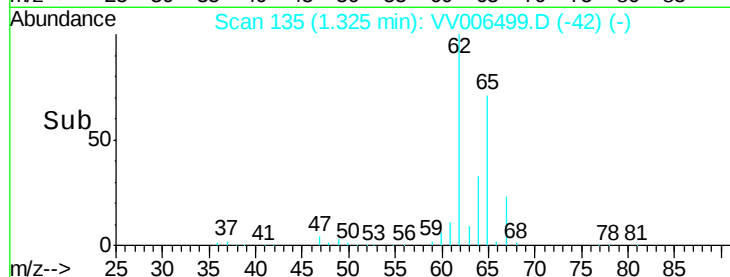
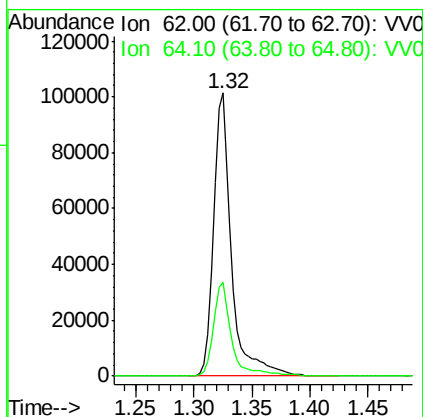
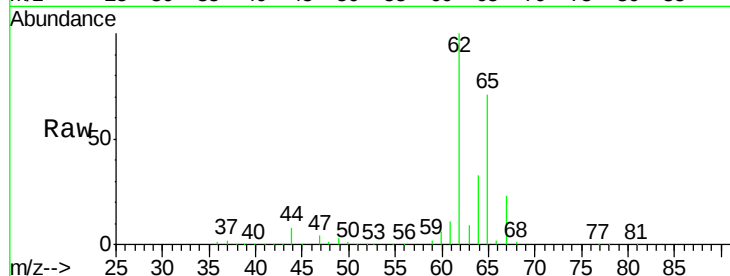
VSTD00567

Tgt Ion: 62 Resp: 111570

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 3.046 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006499.D

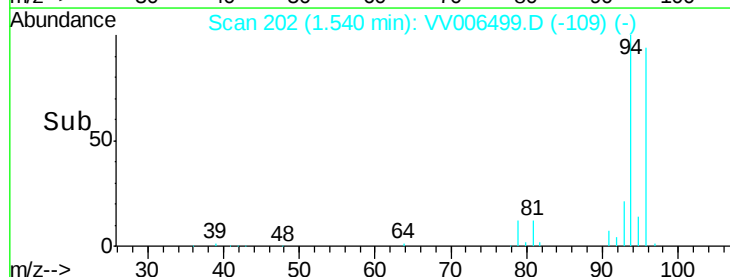
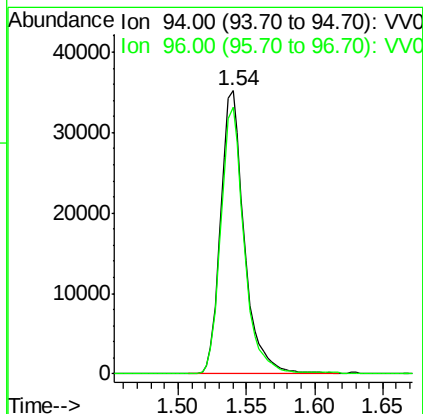
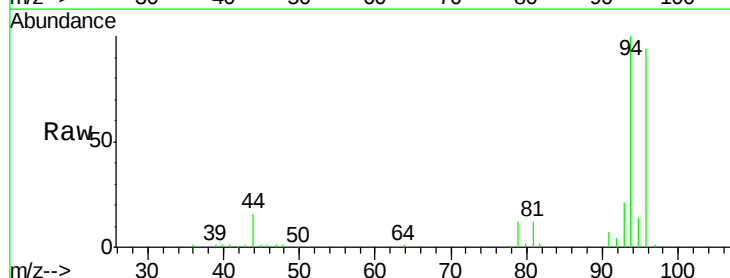
Acq: 28 Jun 2018 19:45

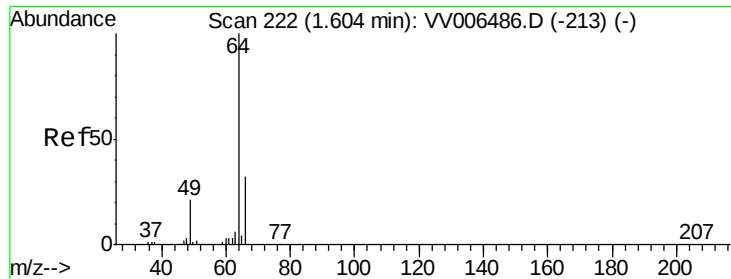
Tgt Ion: 94 Resp: 42588

Ion Ratio Lower Upper

94 100

96 94.4 65.7 122.1

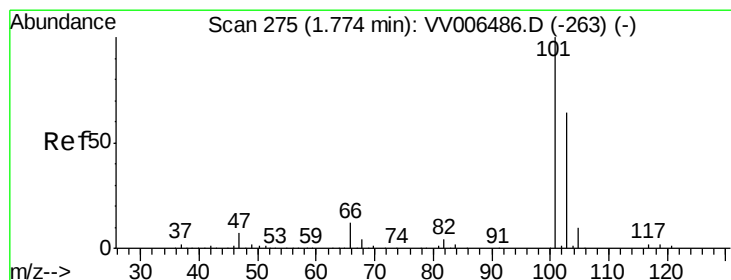
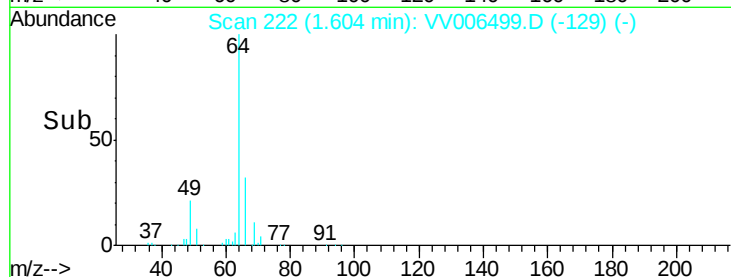
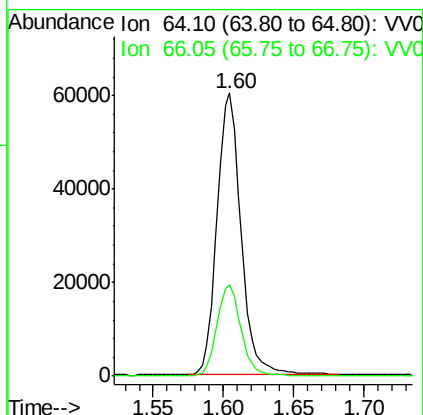
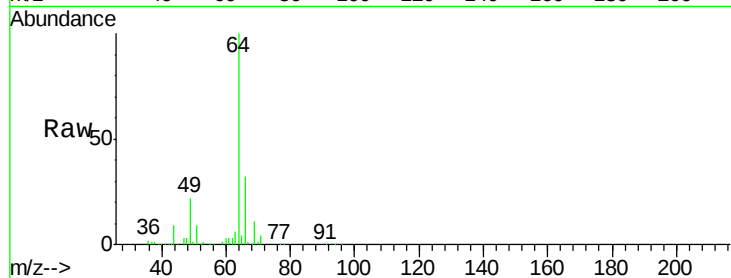




#8
Chloroethane
Concen: 4.613 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

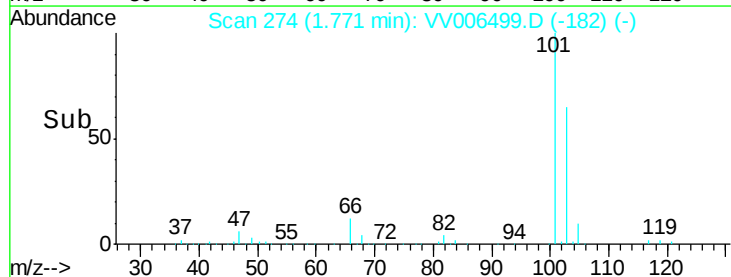
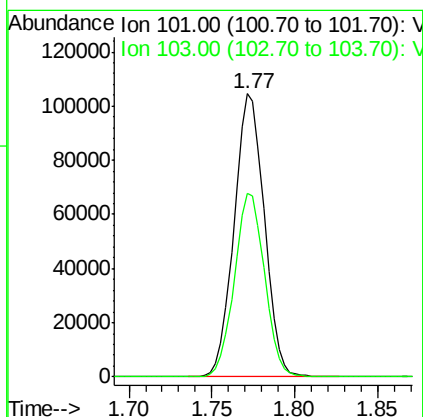
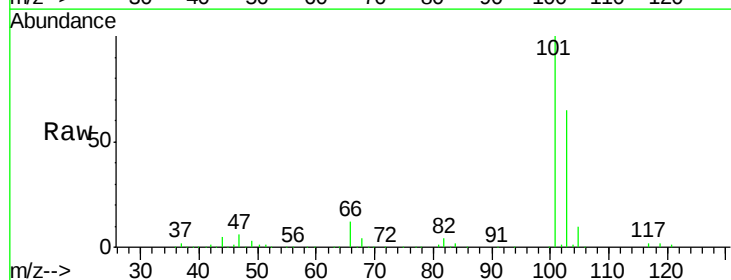
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

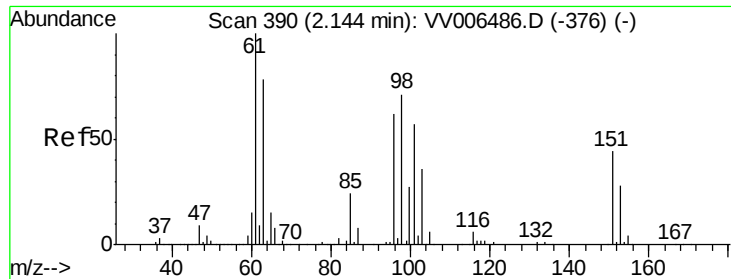
Tgt Ion: 64 Resp: 70649
Ion Ratio Lower Upper
64 100
66 32.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.574 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion: 101 Resp: 132754
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 4.596 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

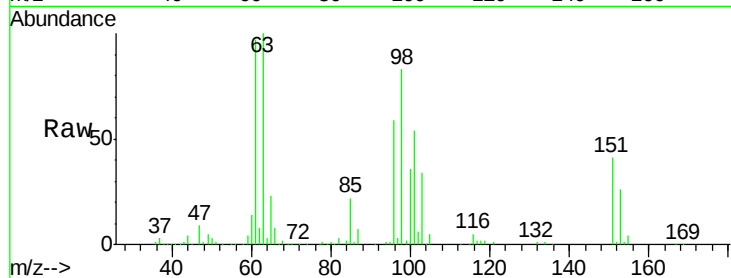
Tgt Ion: 101 Resp: 83782

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

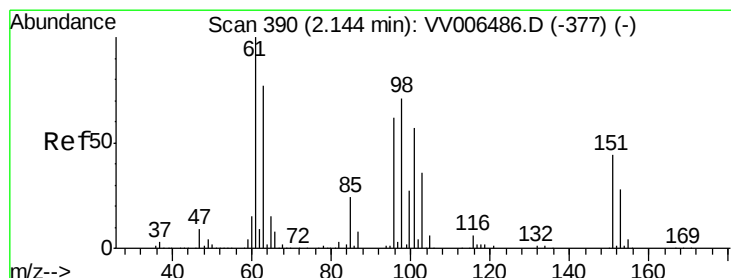
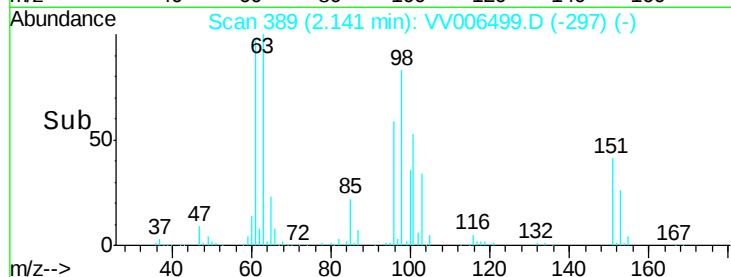
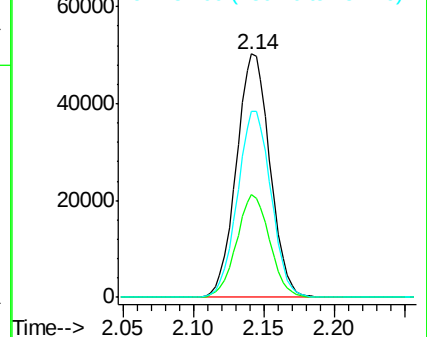
151 76.7 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.565 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

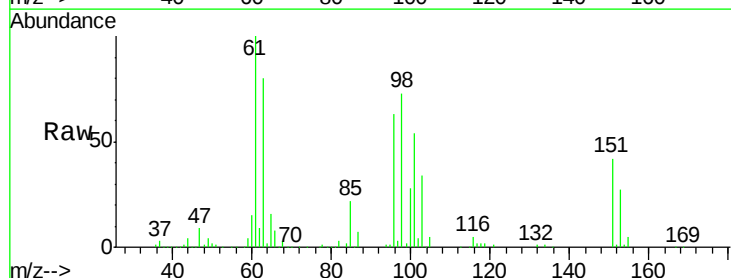
Tgt Ion: 96 Resp: 81672

Ion Ratio Lower Upper

96 100

61 159.3 111.4 207.0

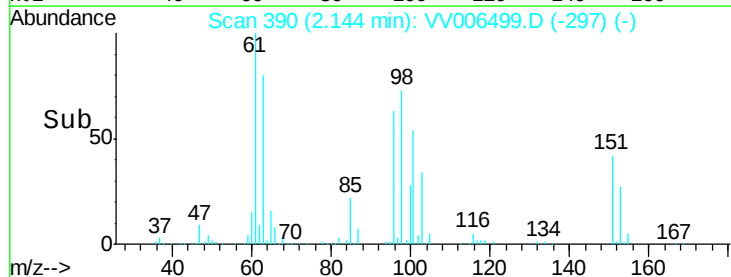
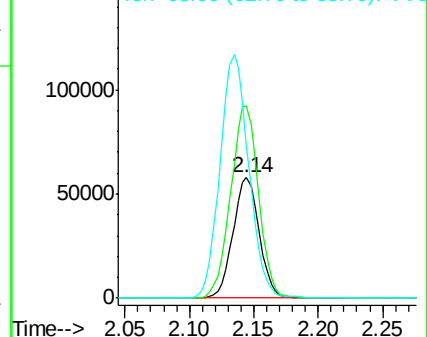
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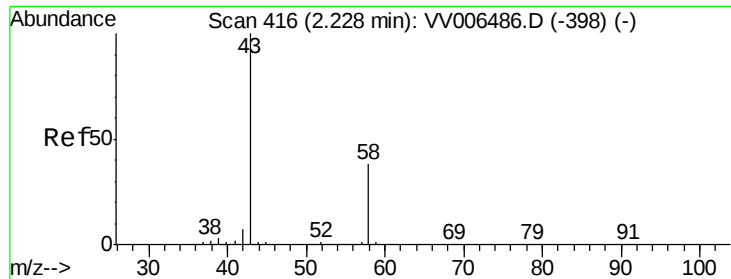


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.838 ug/L

RT: 2.23 min Scan# 417

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

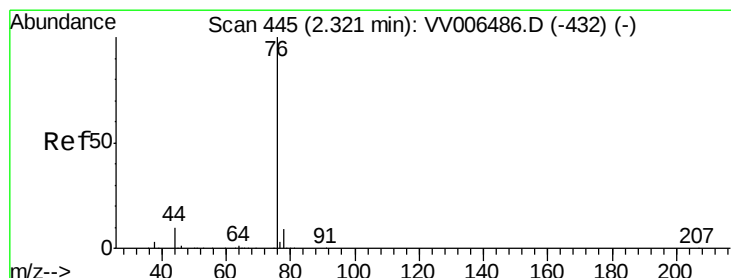
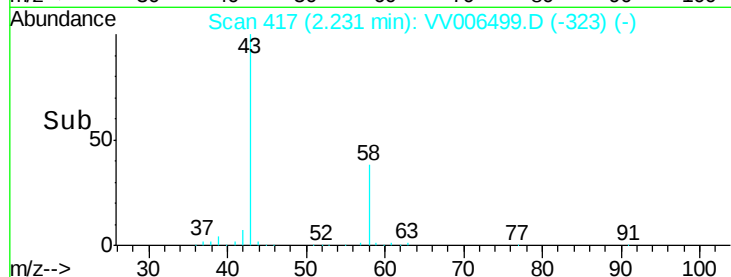
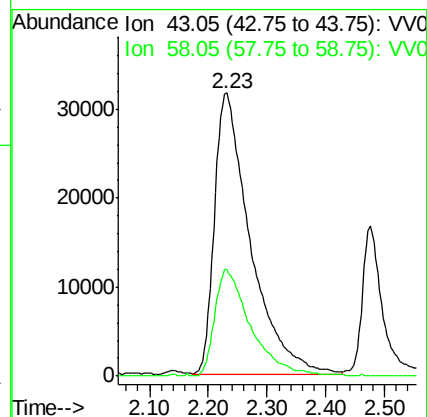
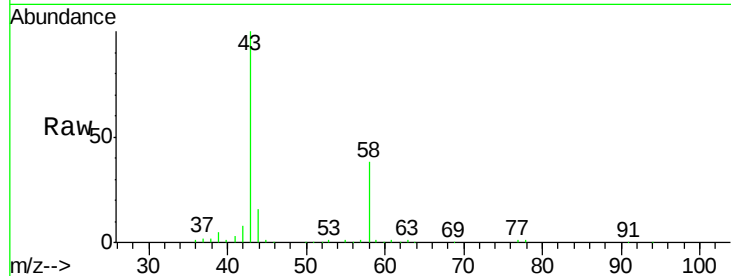
VSTD00567

Tgt Ion: 43 Resp: 133677

Ion Ratio Lower Upper

43 100

58 38.6 0.0 77.4



#14

Carbon disulfide

Concen: 3.651 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006499.D

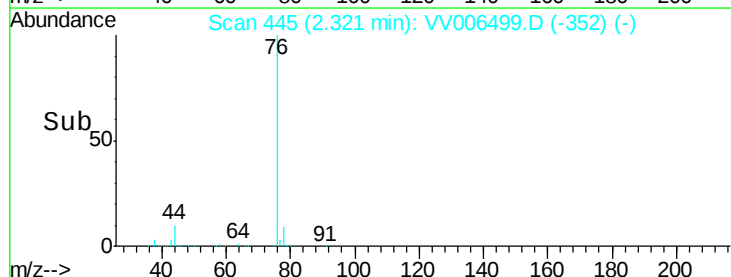
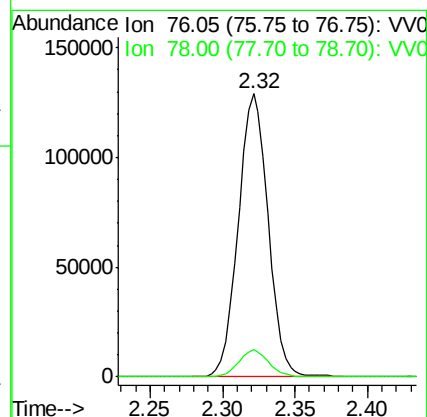
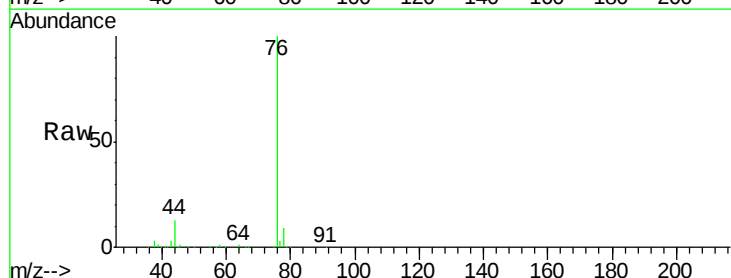
Acq: 28 Jun 2018 19:45

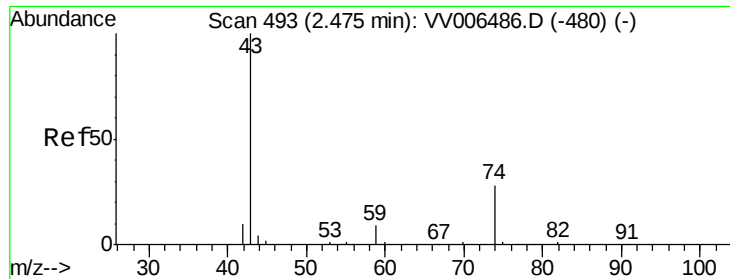
Tgt Ion: 76 Resp: 184447

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

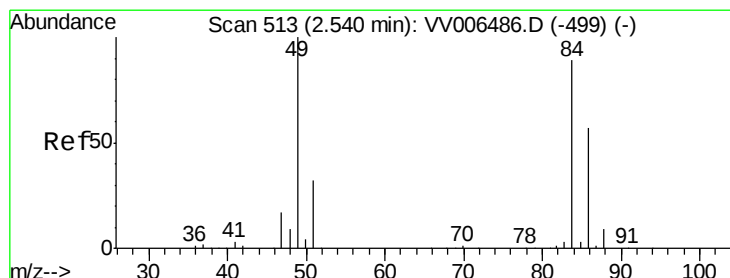
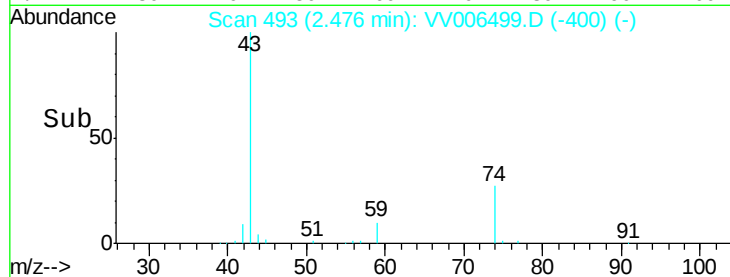
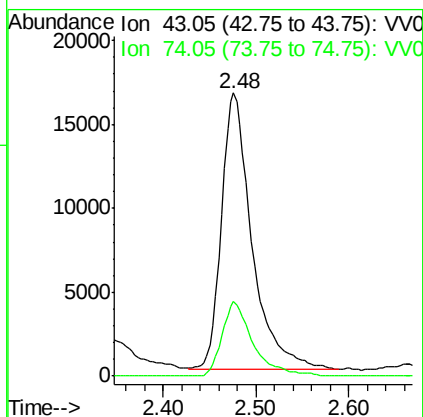
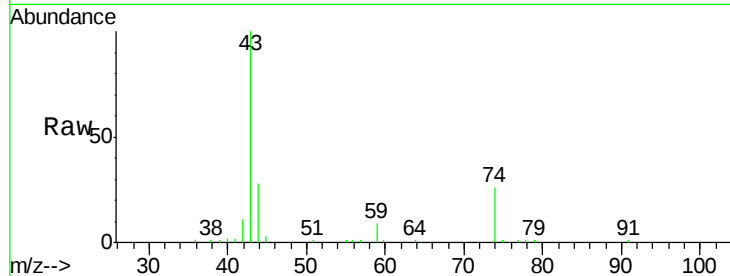




#15
Methyl Acetate
Concen: 5.729 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

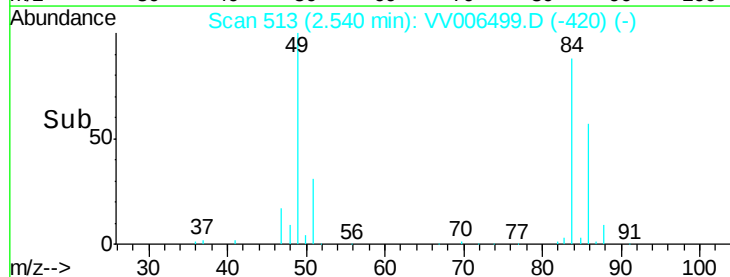
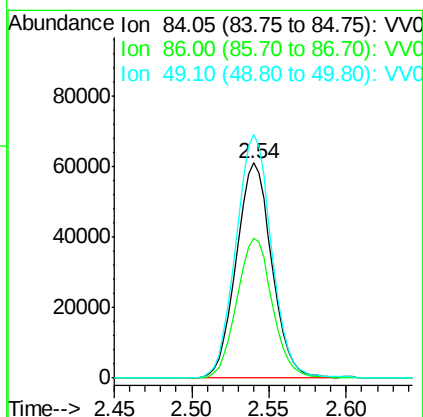
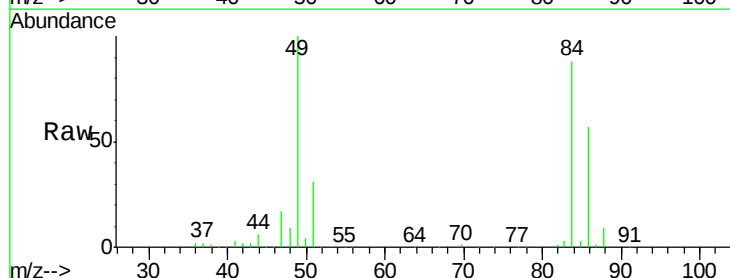
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

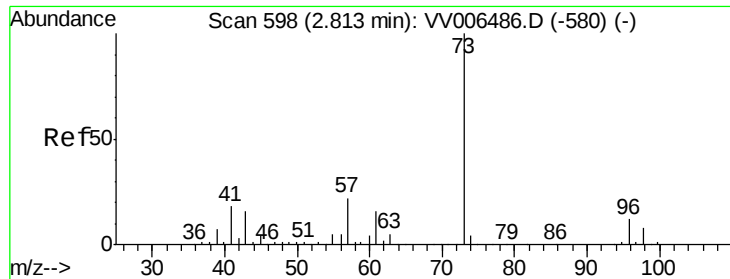
Tgt Ion: 43 Resp: 37687
Ion Ratio Lower Upper
43 100
74 27.4 22.2 33.4



#16
Methylene chloride
Concen: 4.651 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion: 84 Resp: 97451
Ion Ratio Lower Upper
84 100
86 65.1 44.2 82.2
49 113.2 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 5.233 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

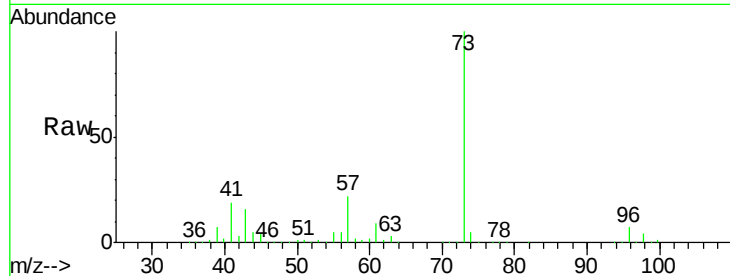
Tgt Ion: 73 Resp: 226888

Ion Ratio Lower Upper

73 100

43 16.1 12.9 19.3

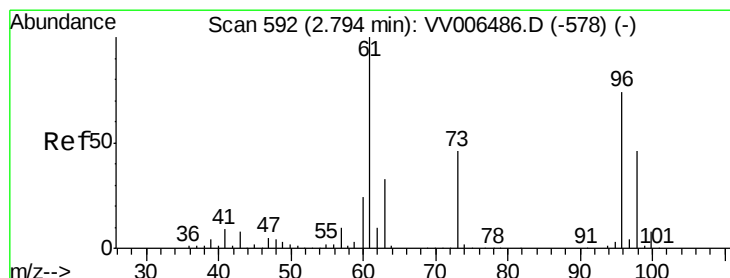
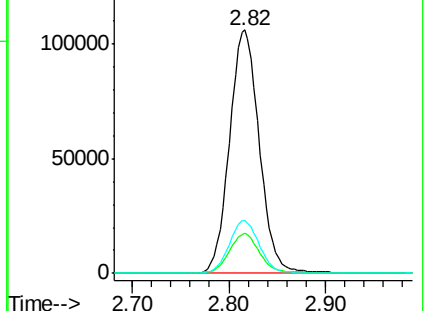
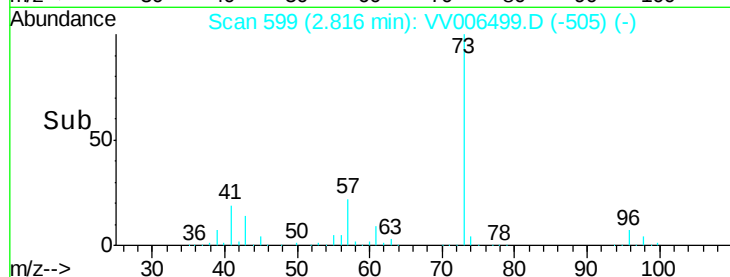
57 22.2 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006499.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006499.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006499.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.615 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

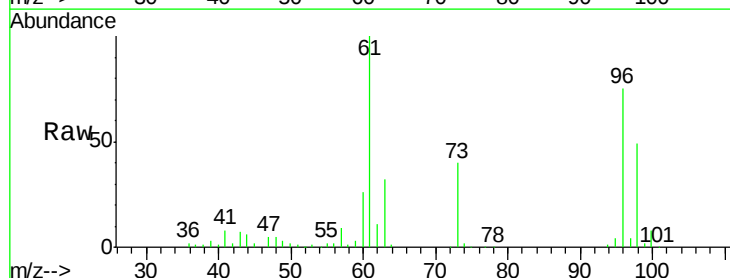
Tgt Ion: 96 Resp: 90393

Ion Ratio Lower Upper

96 100

61 133.2 94.4 175.2

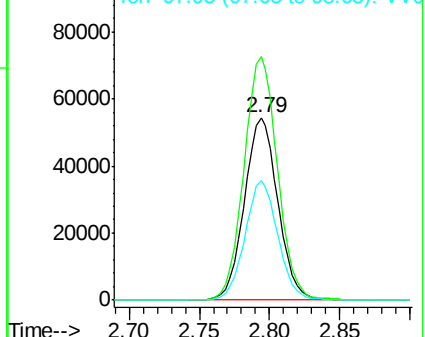
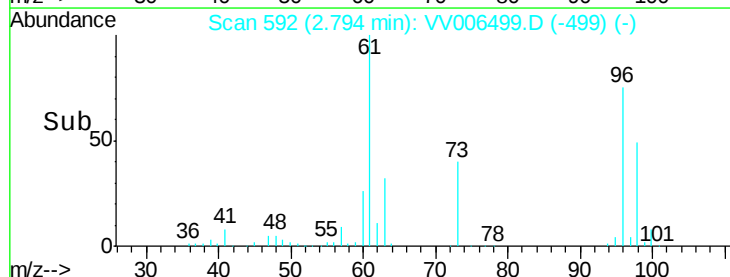
98 65.3 44.3 82.3

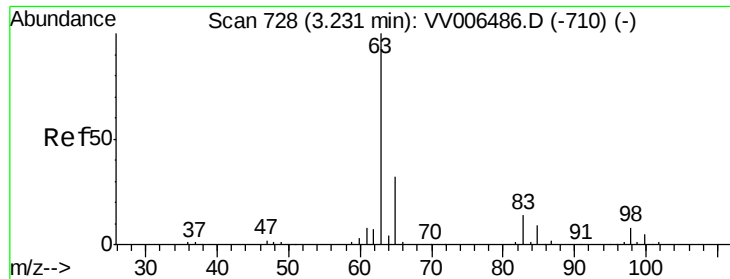


Abundance Ion 96.00 (95.70 to 96.70): VV006499.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006499.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006499.D (-499) (-)

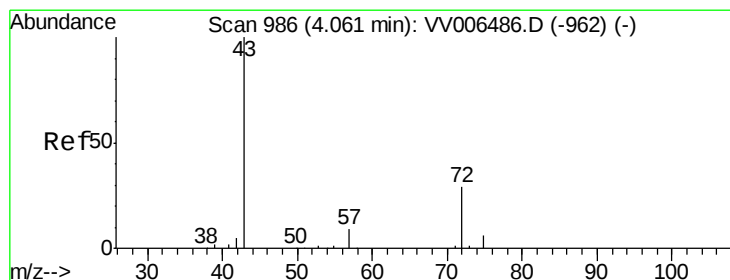
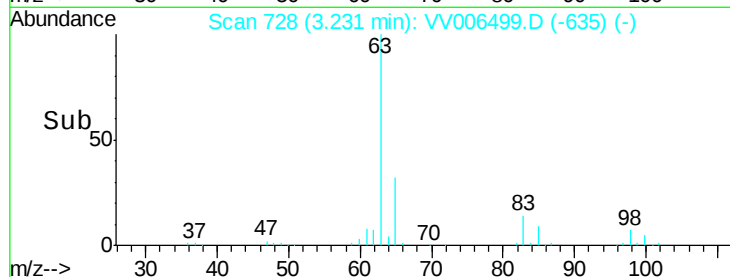
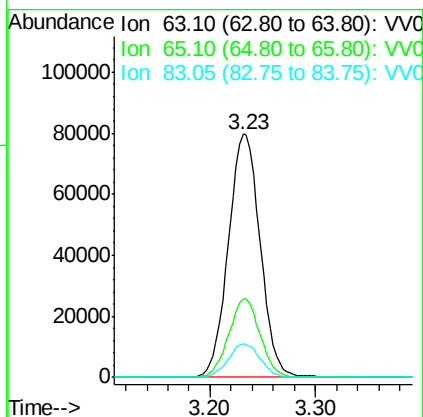
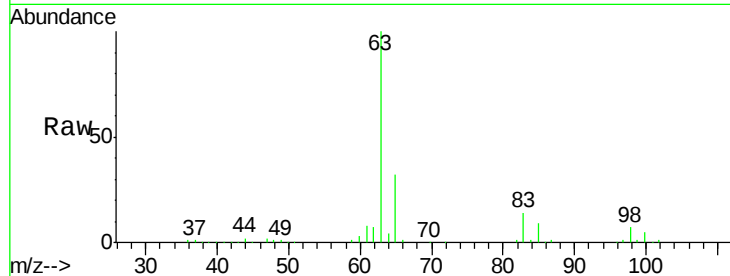




#19
 1,1-Dichloroethane
 Concen: 4.766 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

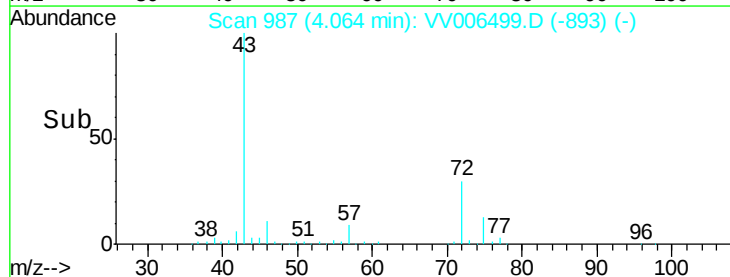
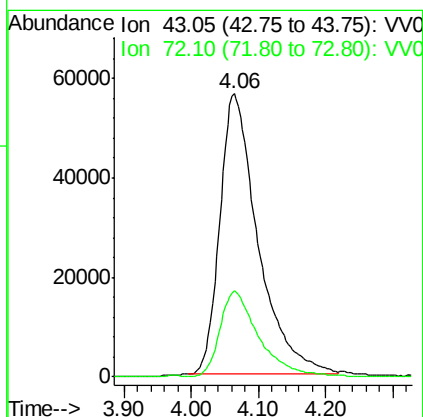
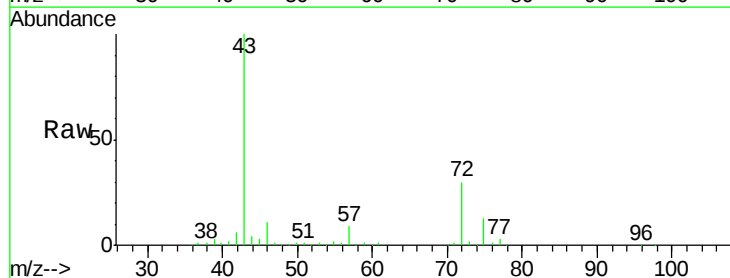
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

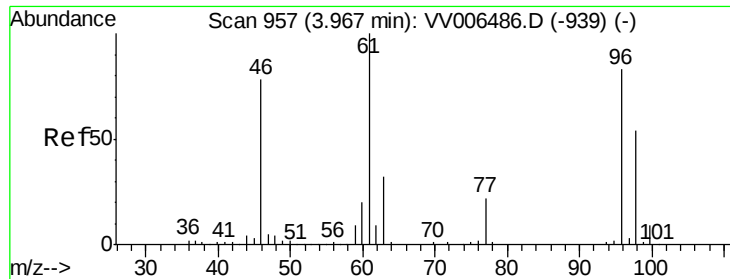
Tgt Ion: 63 Resp: 166249
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 13.7 9.2 17.2



#21
 2-Butanone
 Concen: 55.342 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

Tgt Ion: 43 Resp: 223429
 Ion Ratio Lower Upper
 43 100
 72 31.3 15.4 46.1



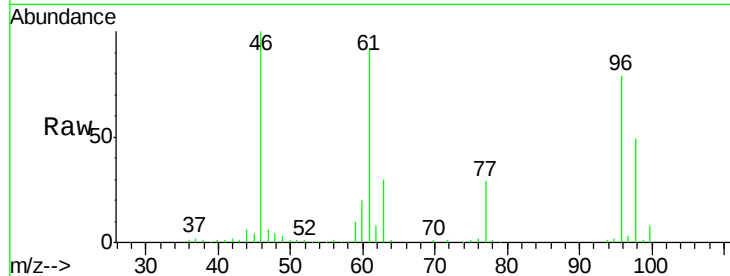


#22

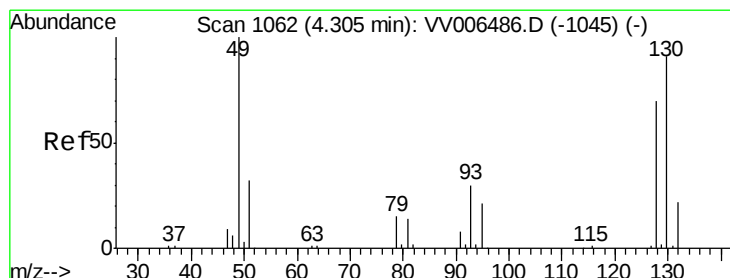
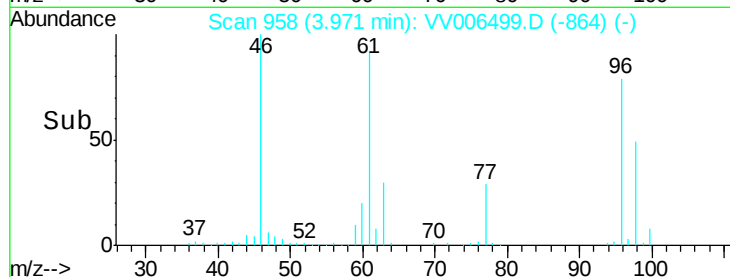
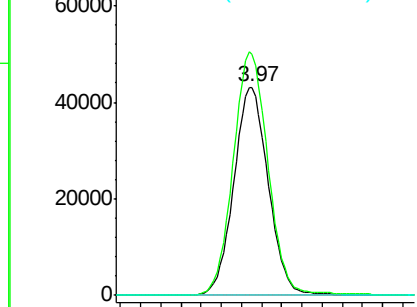
cis-1,2-Dichloroethene
Concen: 4.745 ug/L
RT: 3.97 min Scan# 958
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tgt Ion: 96 Resp: 102199
Ion Ratio Lower Upper
96 100
61 116.0 81.8 151.8
68 0.0 0.0 0.0



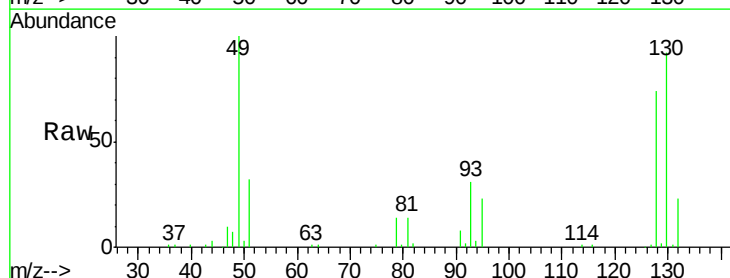
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



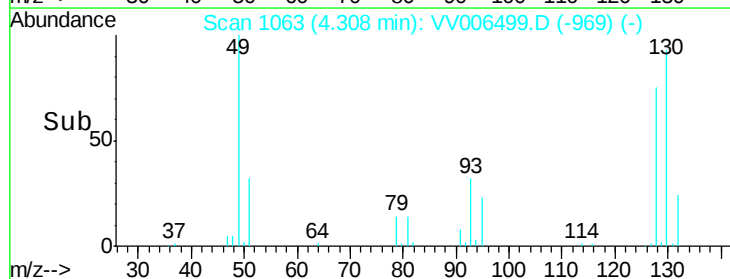
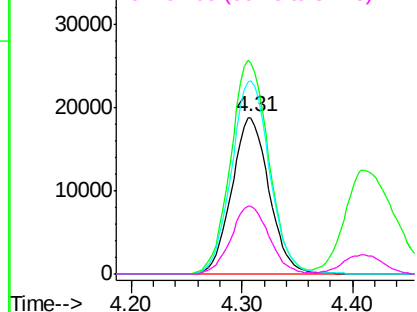
#23

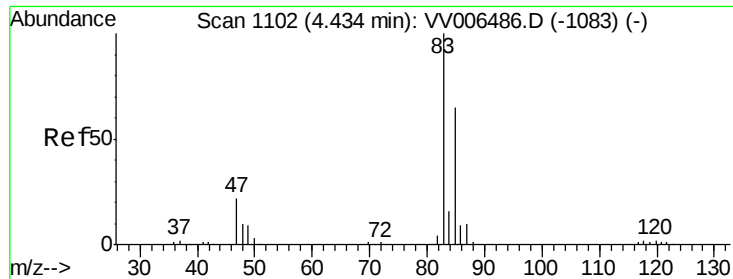
Bromochloromethane
Concen: 5.044 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion: 128 Resp: 44142
Ion Ratio Lower Upper
128 100
49 134.6 101.2 188.0
130 123.3 93.0 172.6
51 42.9 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

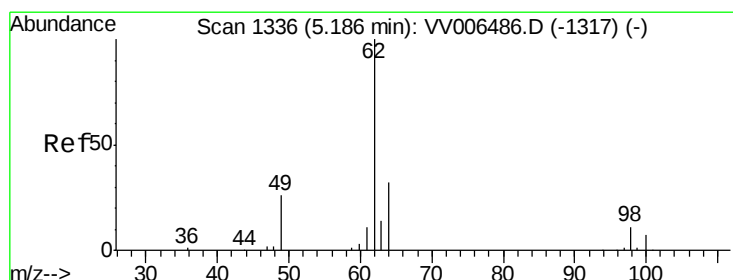
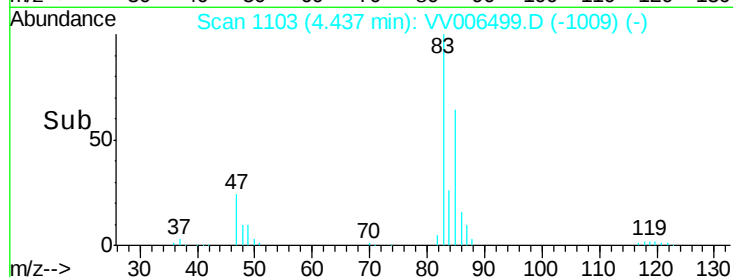
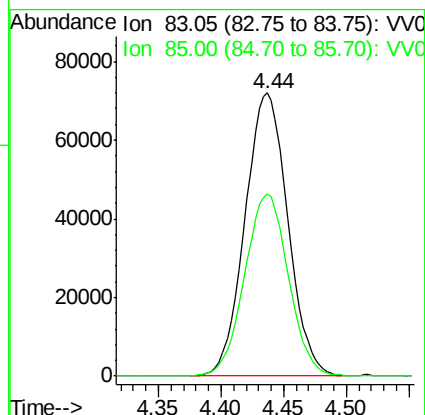
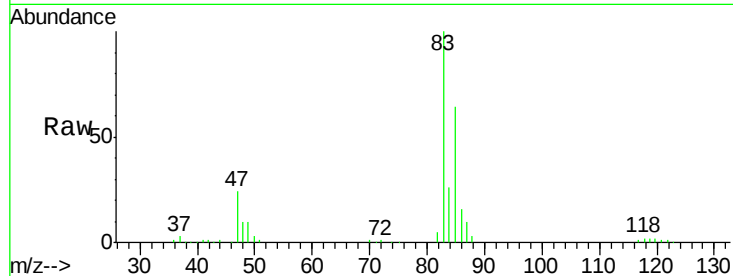




#25
Chloroform
Concen: 4.861 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

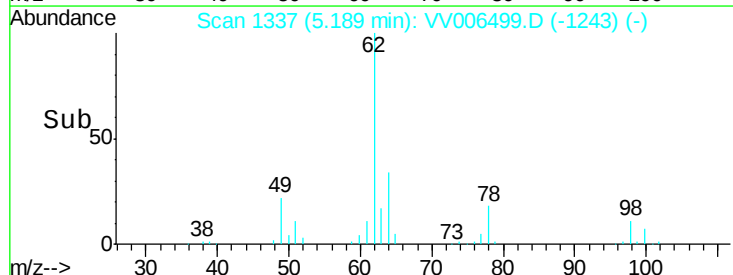
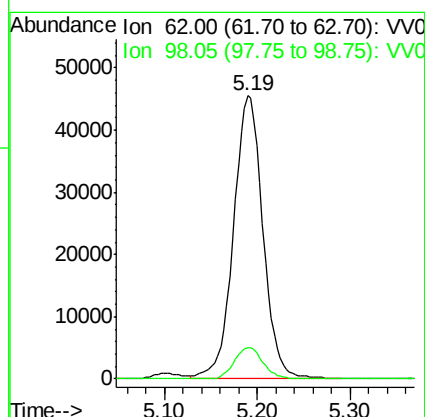
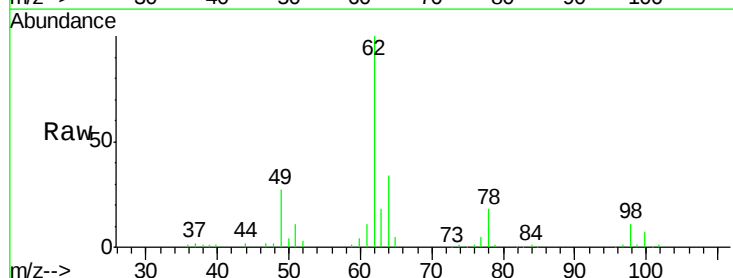
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

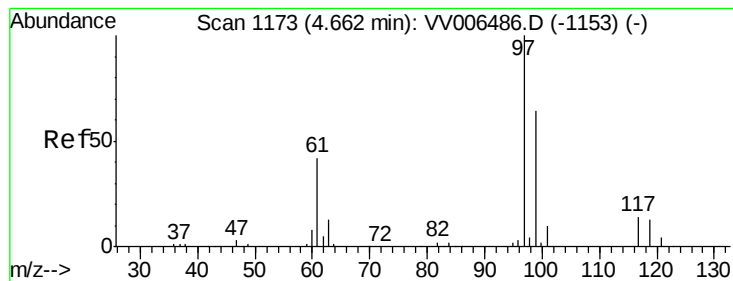
Tgt Ion: 83 Resp: 170914
Ion Ratio Lower Upper
83 100
85 64.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.075 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion: 62 Resp: 100261
Ion Ratio Lower Upper
62 100
98 11.0 8.8 13.2





#29

1,1,1-Trichloroethane

Concen: 4.450 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

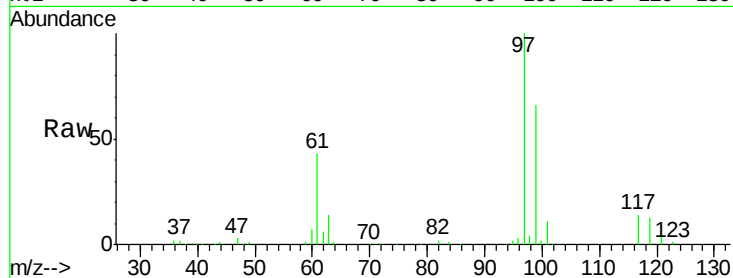
Tgt Ion: 97 Resp: 130680

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

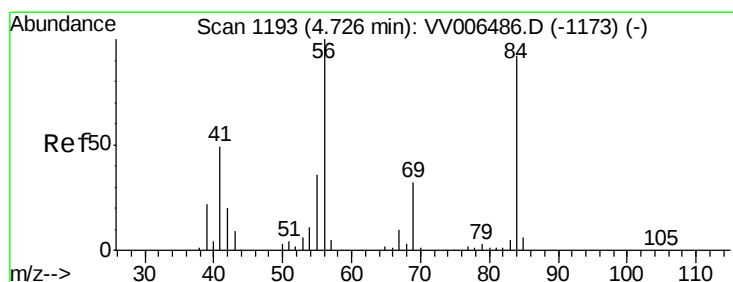
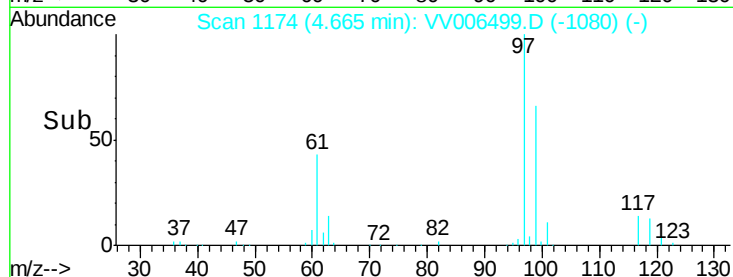
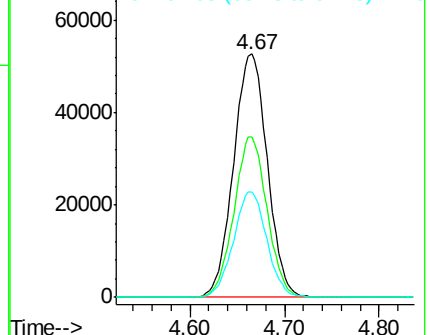
61 42.5 33.8 50.6



Abundance Ion 96.95 (96.65 to 97.65): VV006499.D (-1080) (-)

Ion 99.05 (98.75 to 99.75): VV006499.D (-1080) (-)

Ion 61.05 (60.75 to 61.75): VV006499.D (-1080) (-)



#30

Cyclohexane

Concen: 4.203 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

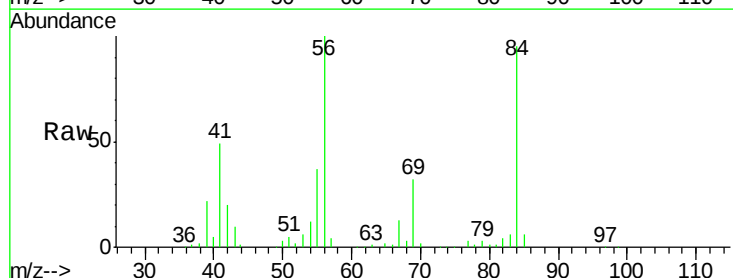
Tgt Ion: 56 Resp: 123366

Ion Ratio Lower Upper

56 100

69 32.6 25.6 38.4

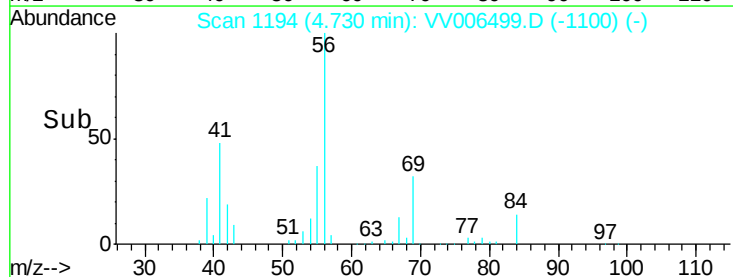
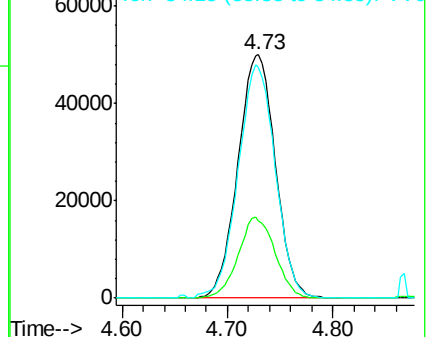
84 95.3 75.4 113.0

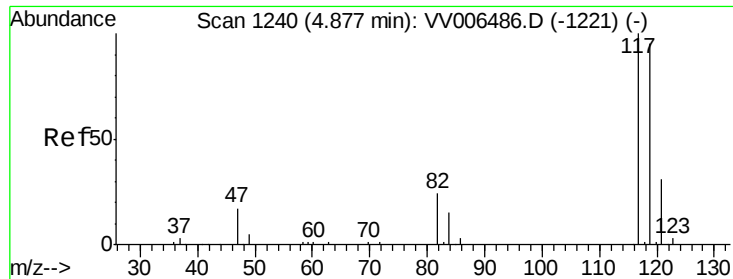


Abundance Ion 56.10 (55.80 to 56.80): VV006499.D (-1100) (-)

Ion 69.15 (68.85 to 69.85): VV006499.D (-1100) (-)

Ion 84.15 (83.85 to 84.85): VV006499.D (-1100) (-)





#31

Carbon tetrachloride

Concen: 4.240 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

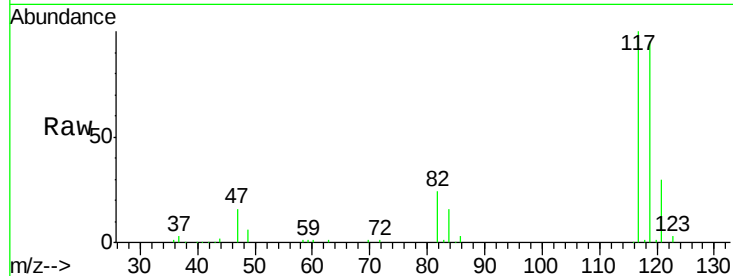
VSTD00567

Tgt Ion:117 Resp: 104453

Ion Ratio Lower Upper

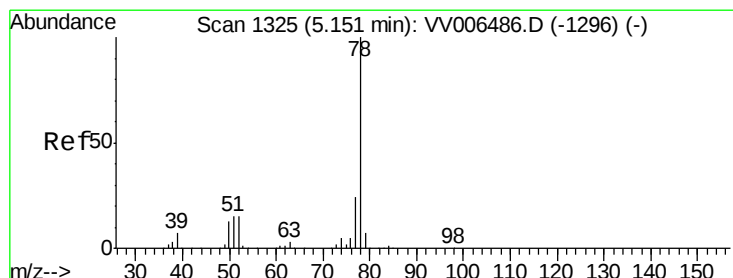
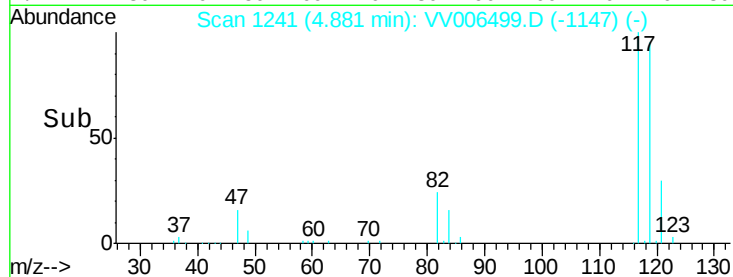
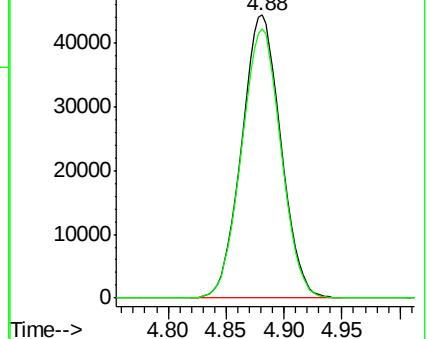
117 100

119 95.6 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: 4.781 ug/L

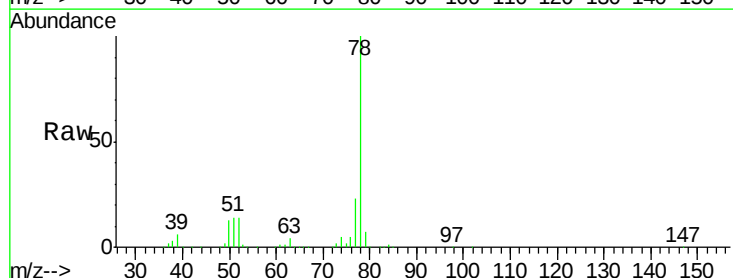
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

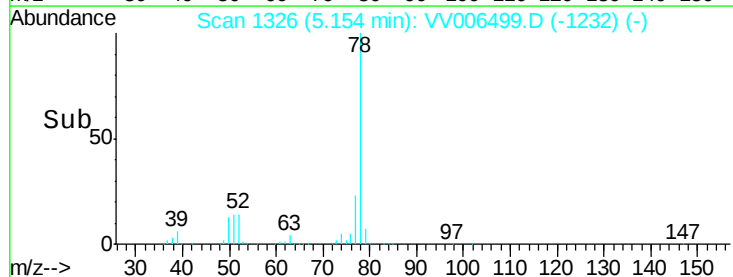
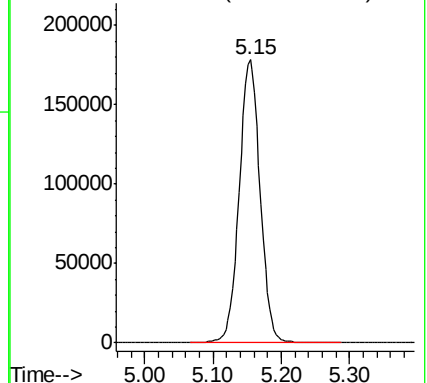
Lab File: VV006499.D

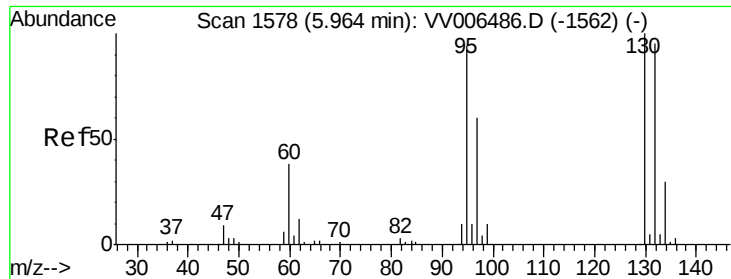
Acq: 28 Jun 2018 19:45

Tgt Ion: 78 Resp: 380243



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.448 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

Tgt Ion: 95 Resp: 101185

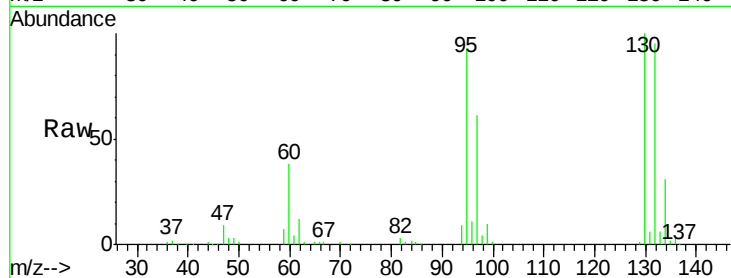
Ion Ratio Lower Upper

95 100

97 65.2 44.6 82.8

132 101.9 70.1 130.1

130 107.6 73.3 136.1

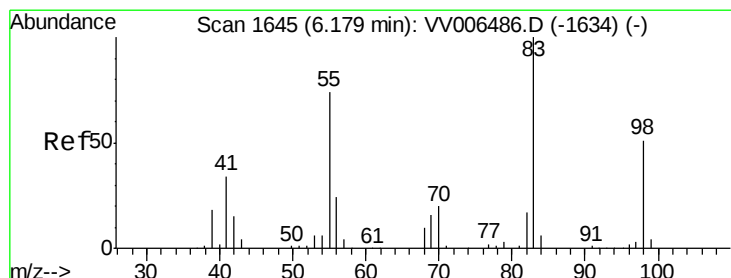
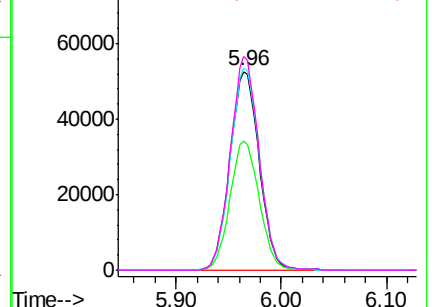
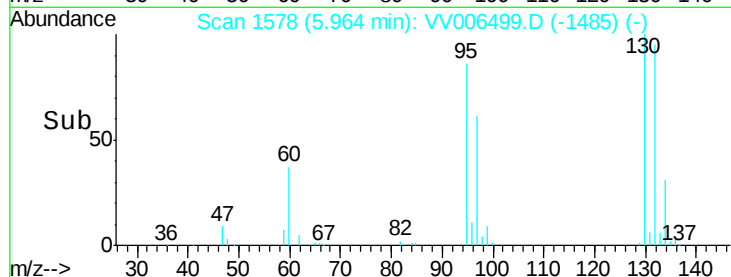


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.276 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

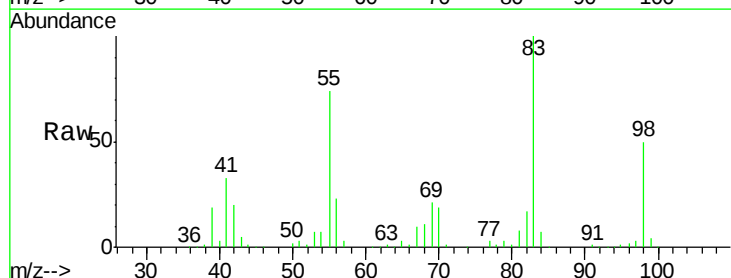
Tgt Ion: 83 Resp: 141441

Ion Ratio Lower Upper

83 100

55 72.6 57.5 86.3

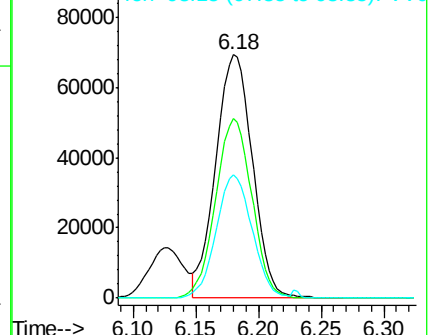
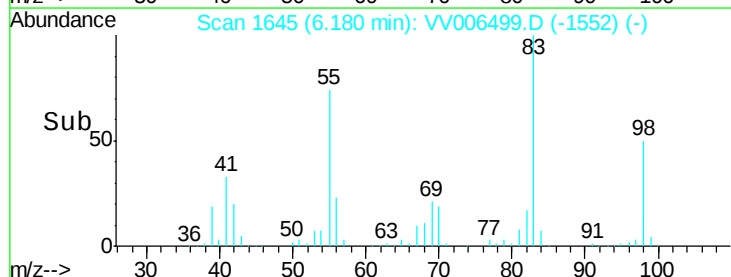
98 48.5 39.6 59.4

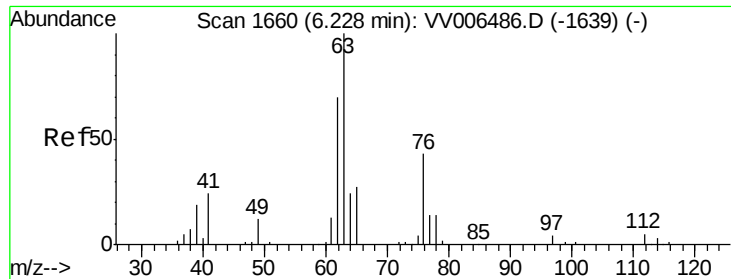


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

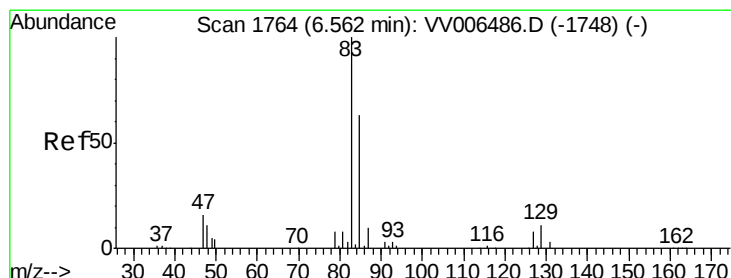
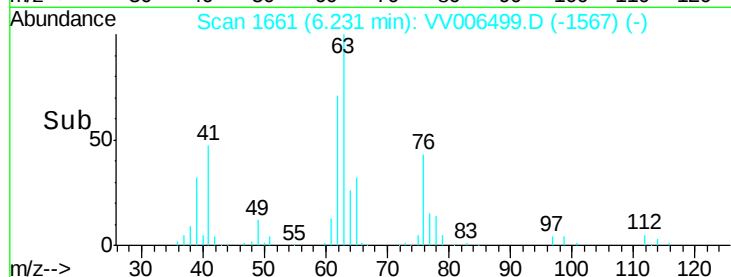
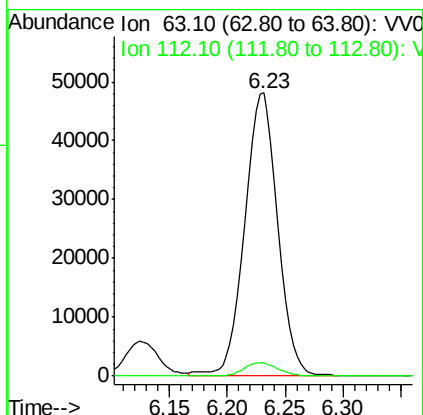
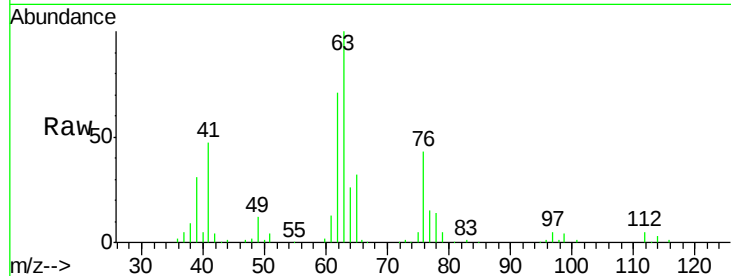




#37
 1,2-Dichloropropane
 Concen: 4.885 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

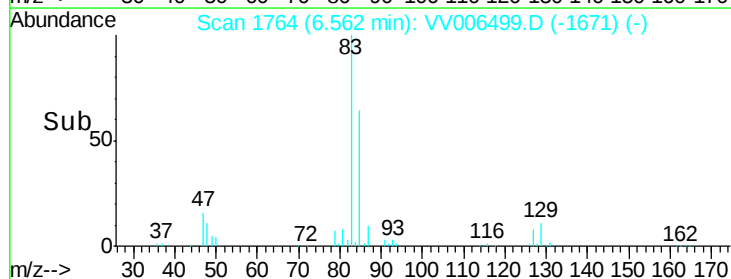
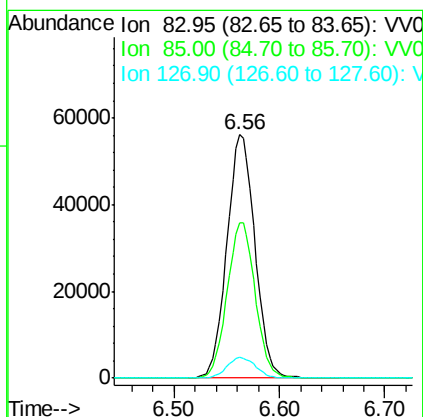
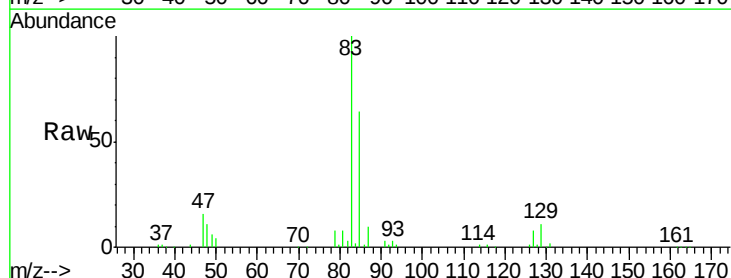
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00567

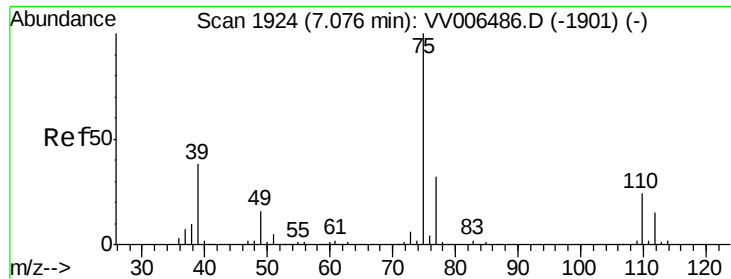
Tgt Ion: 63 Resp: 94933
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.614 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

Tgt Ion: 83 Resp: 103211
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.1 83.9
 127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.587 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

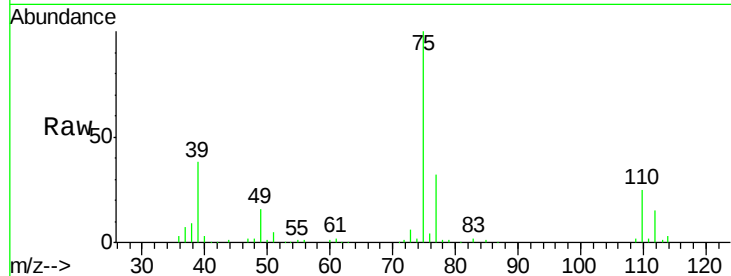
VSTD00567

Tgt Ion: 75 Resp: 124058

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

7.08

80000

60000

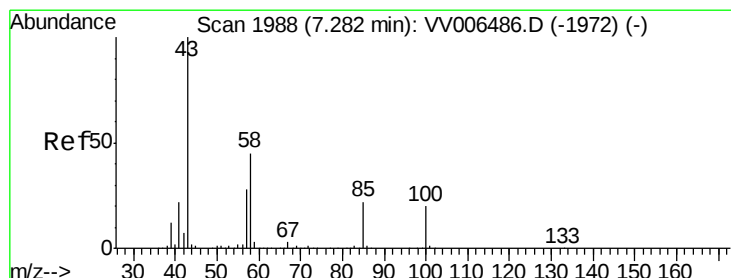
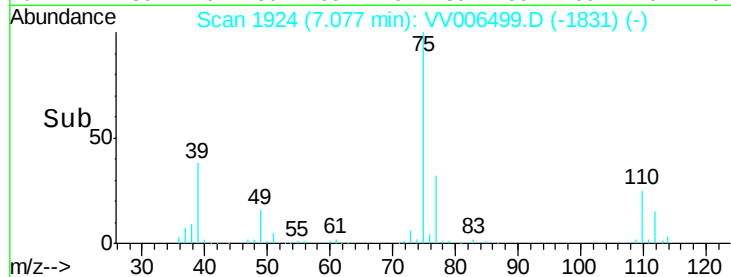
40000

20000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 56.104 ug/L

RT: 7.29 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

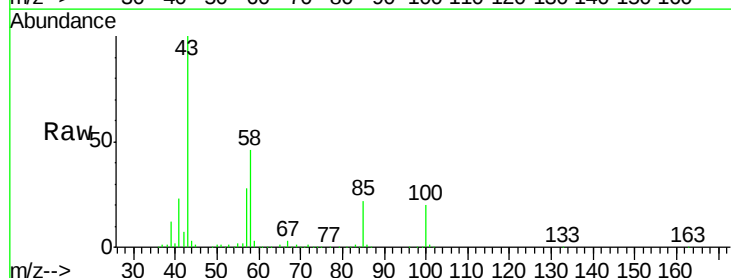
Tgt Ion: 43 Resp: 530577

Ion Ratio Lower Upper

43 100

58 44.6 35.4 53.2

100 19.6 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

7.29

300000

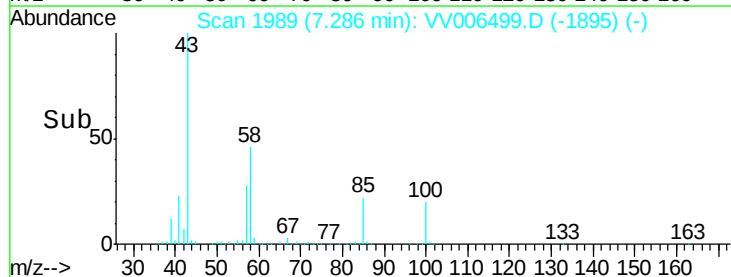
200000

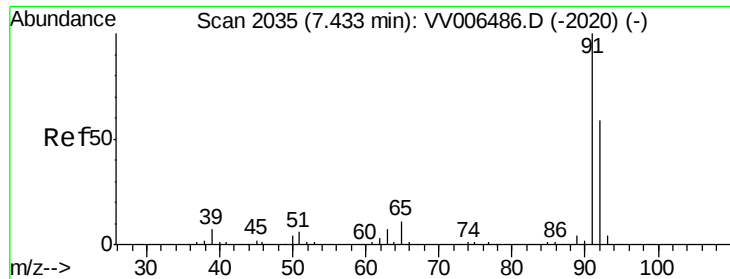
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 4.657 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

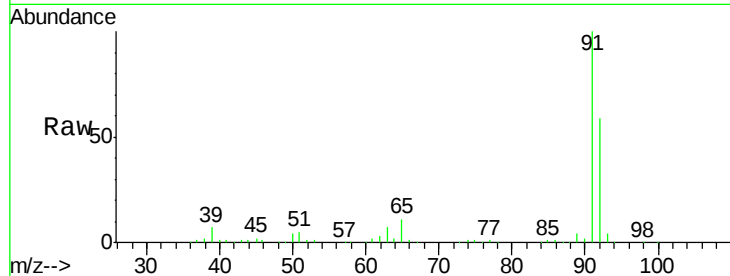
VSTD00567

Tgt Ion: 91 Resp: 392263

Ion Ratio Lower Upper

91 100

92 59.3 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

250000

200000

150000

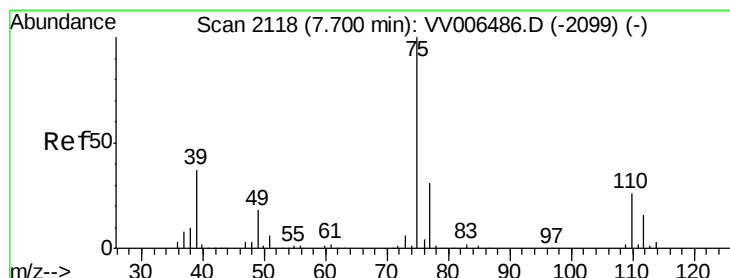
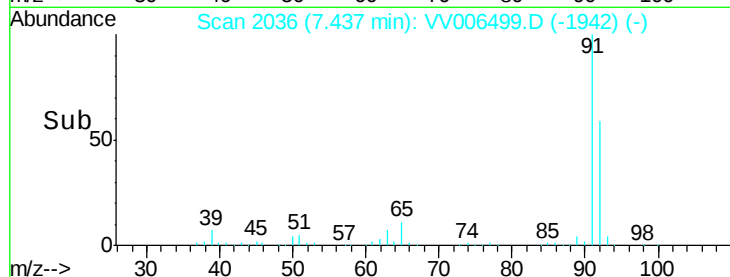
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.534 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006499.D

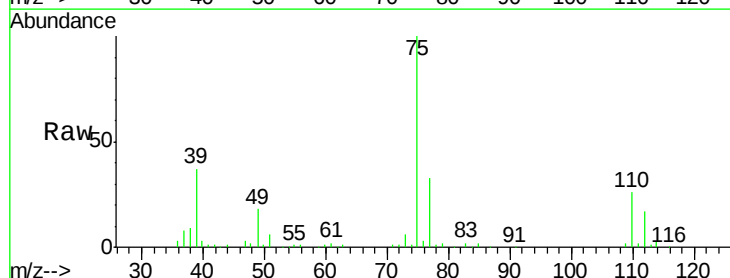
Acq: 28 Jun 2018 19:45

Tgt Ion: 75 Resp: 96168

Ion Ratio Lower Upper

75 100

77 32.7 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

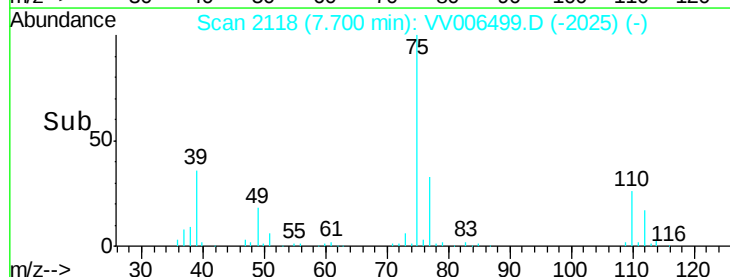
40000

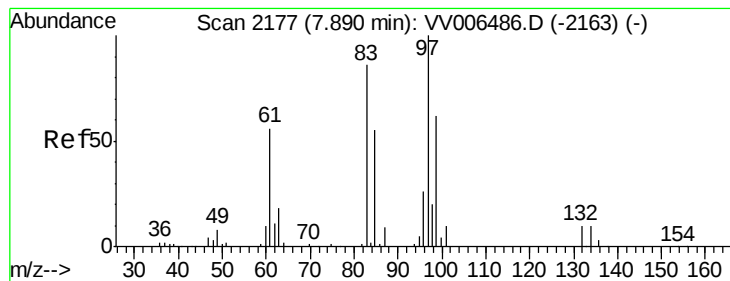
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.235 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

Tgt Ion: 97 Resp: 70265

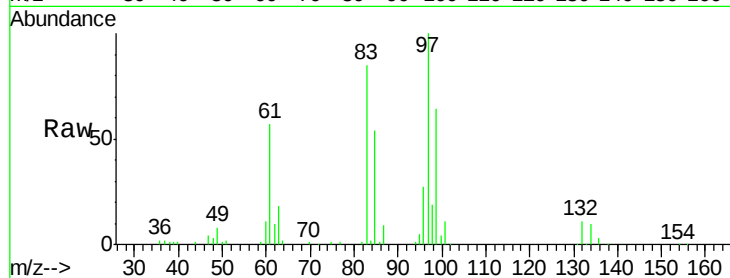
Ion Ratio Lower Upper

97 100

99 63.5 44.2 82.2

83 85.3 59.0 109.6

85 54.3 36.8 68.3

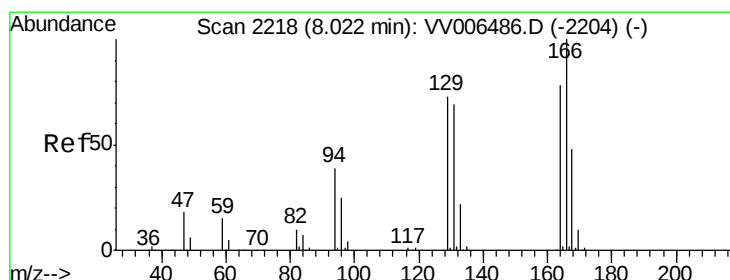
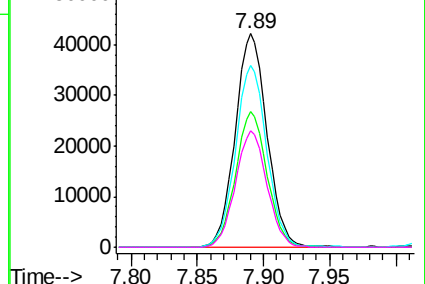
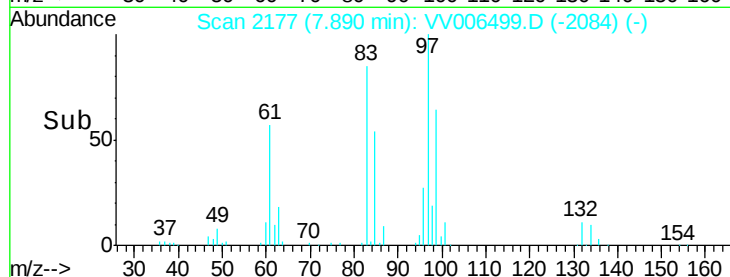


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.369 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Tgt Ion: 164 Resp: 75105

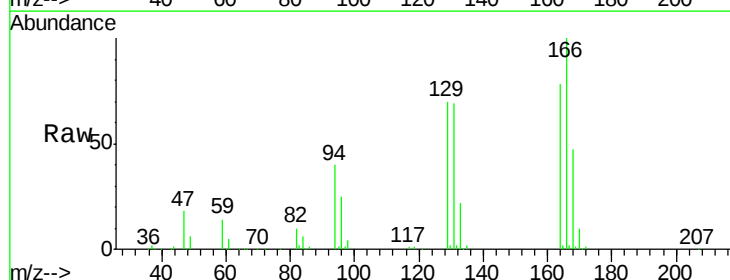
Ion Ratio Lower Upper

164 100

129 90.6 64.0 118.8

131 89.4 61.7 114.5

166 128.6 89.0 165.2

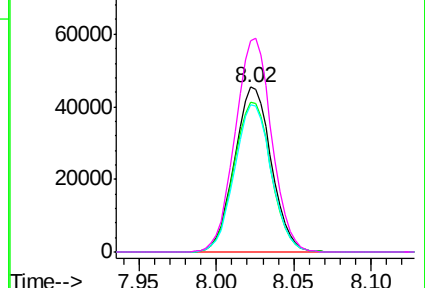
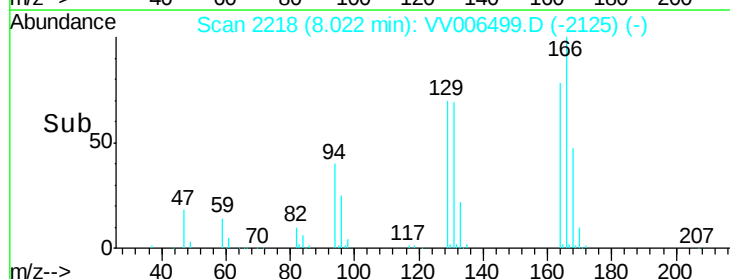


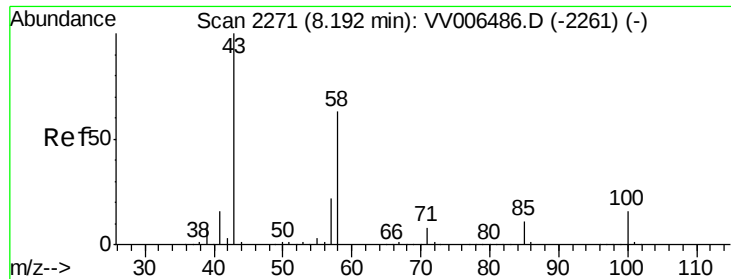
Abundance Ion 163.90 (163.60 to 164.60): V

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

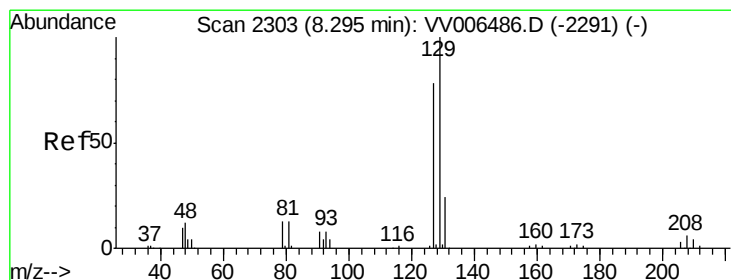
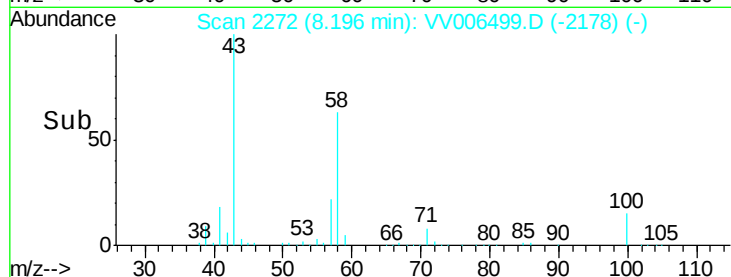
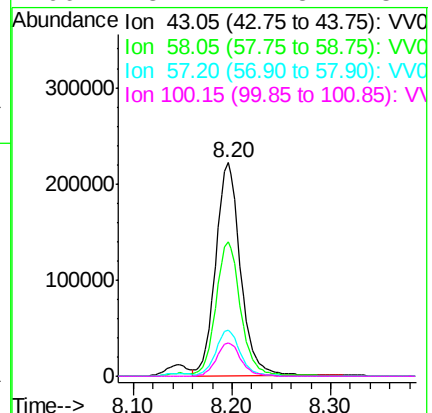
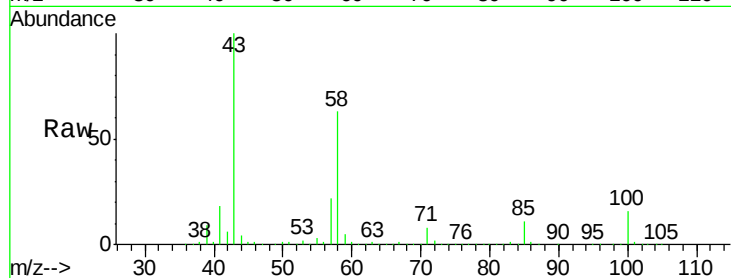




#48
2-Hexanone
Concen: 57.375 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

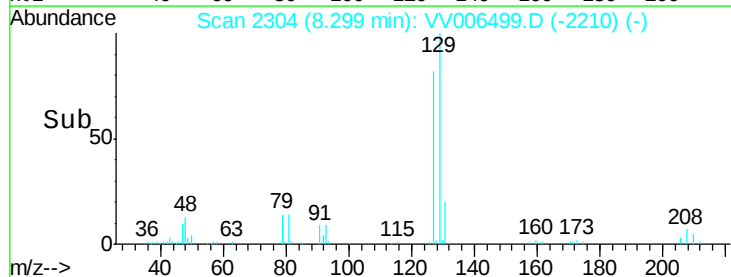
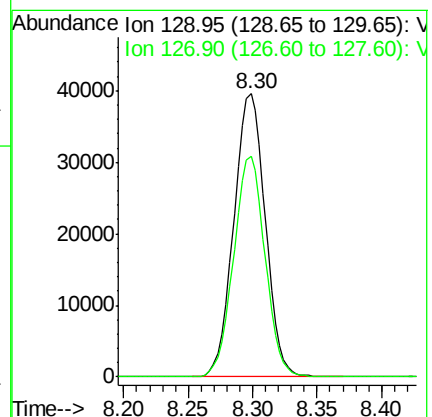
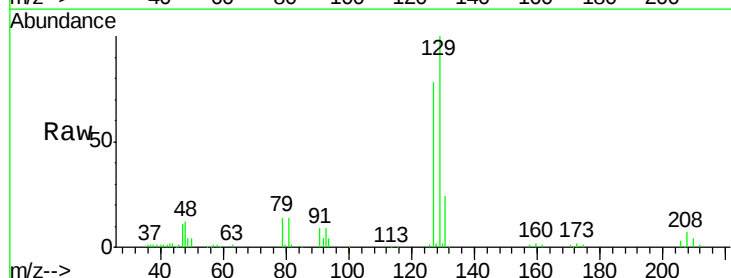
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

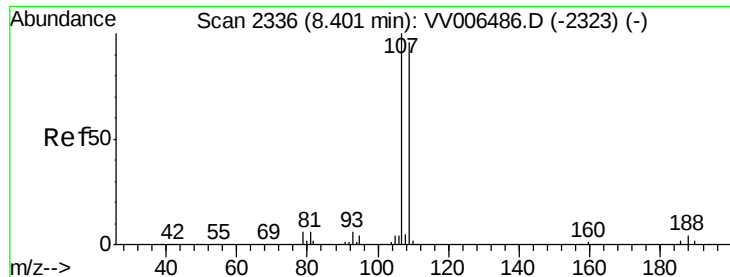
Tgt Ion: 43 Resp: 390356
Ion Ratio Lower Upper
43 100
58 62.7 49.9 74.9
57 21.2 17.3 25.9
100 15.7 12.5 18.7



#49
Dibromochloromethane
Concen: 4.693 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion: 129 Resp: 67151
Ion Ratio Lower Upper
129 100
127 78.2 54.0 100.2

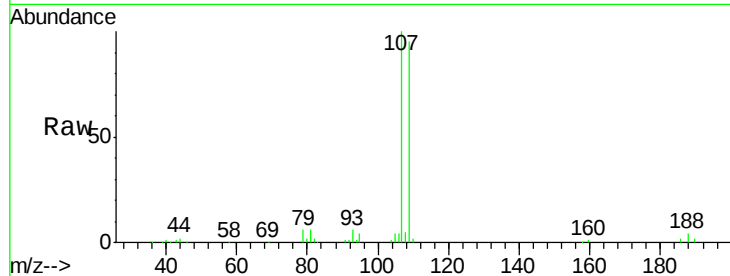




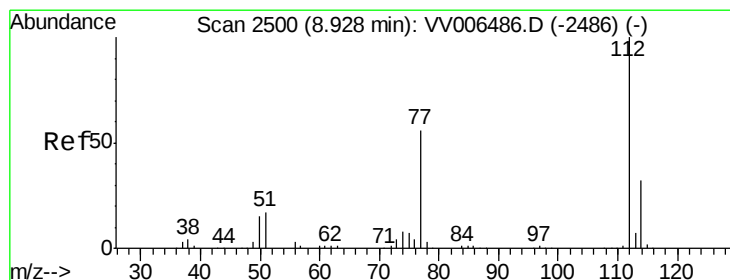
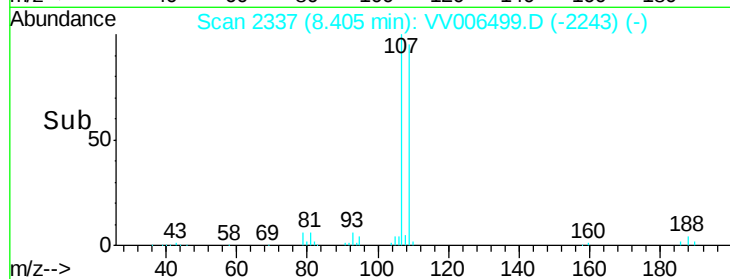
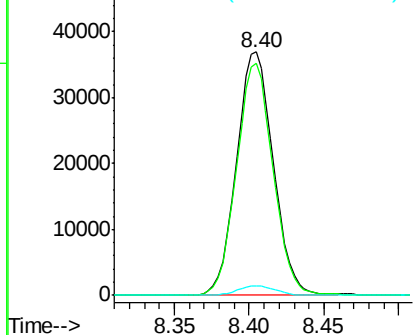
#50
1,2-Dibromoethane
Concen: 5.240 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tgt Ion:107 Resp: 63225
Ion Ratio Lower Upper
107 100
109 95.5 64.3 119.5
188 3.9 3.0 4.6

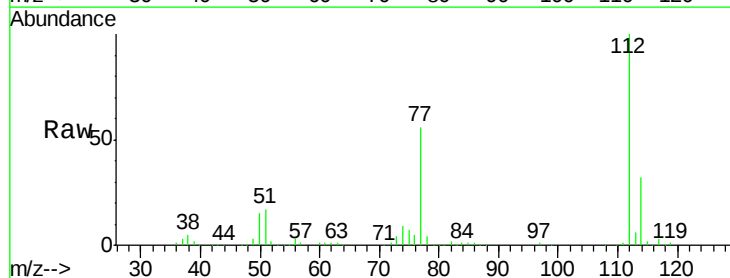


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

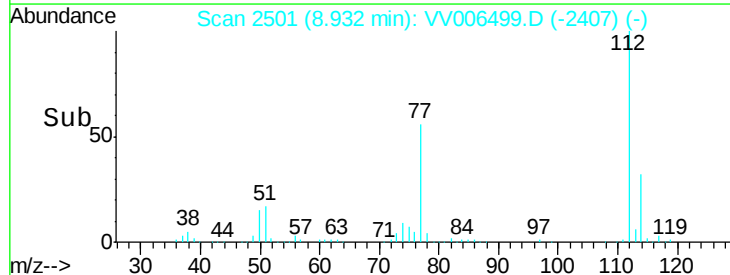
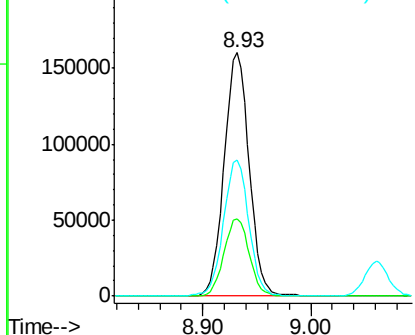


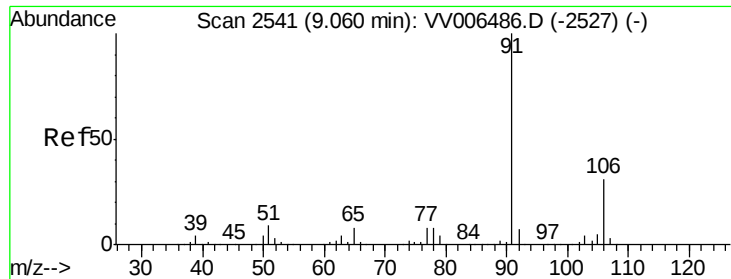
#51
Chlorobenzene
Concen: 4.628 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion:112 Resp: 257902
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 55.8 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: 4.512 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

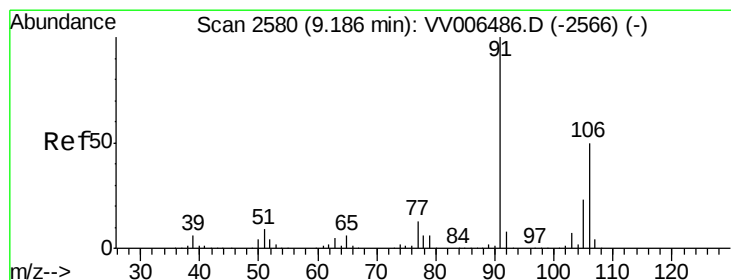
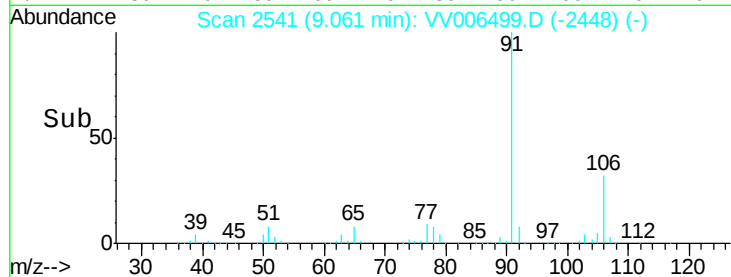
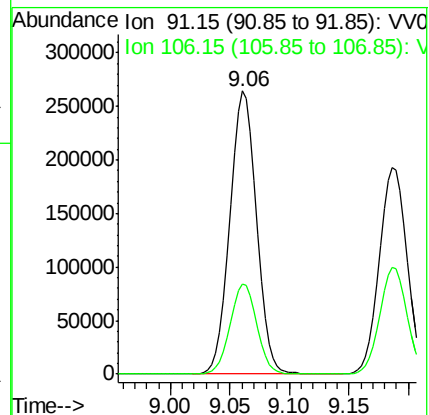
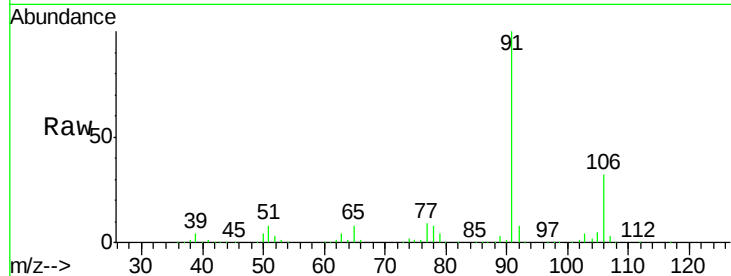
VSTD00567

Tgt Ion: 91 Resp: 411405

Ion Ratio Lower Upper

91 100

106 31.8 22.2 41.2



#53

m,p-xylene

Concen: 4.553 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006499.D

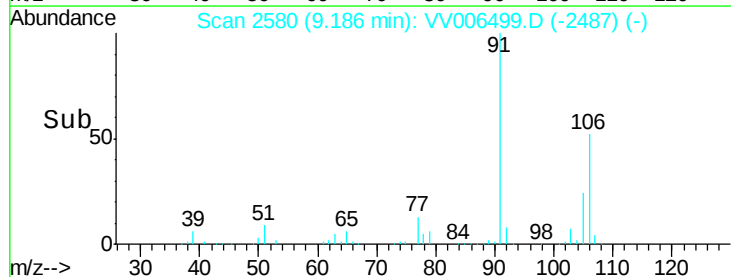
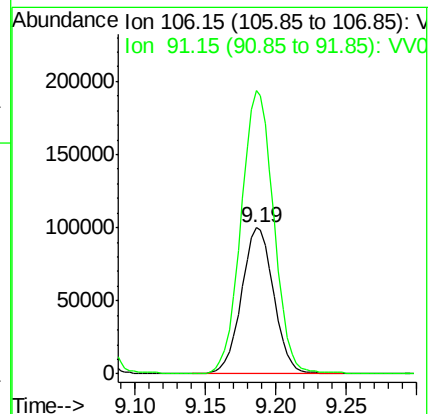
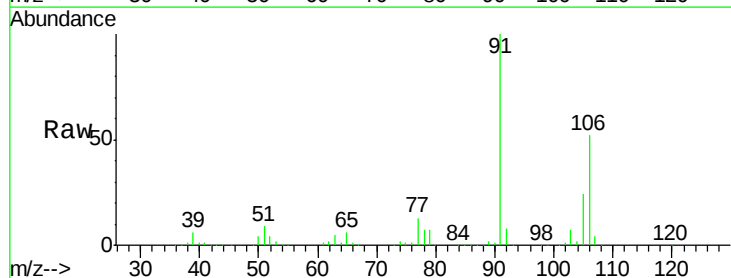
Acq: 28 Jun 2018 19:45

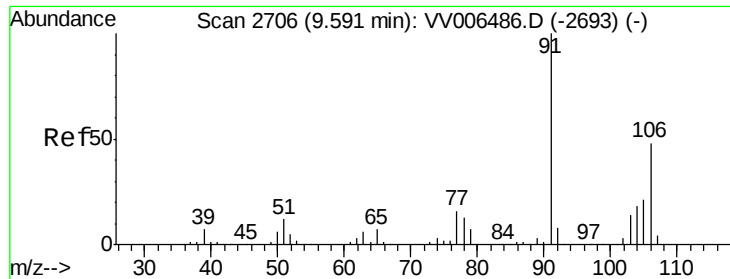
Tgt Ion: 106 Resp: 160093

Ion Ratio Lower Upper

106 100

91 193.4 138.8 257.8

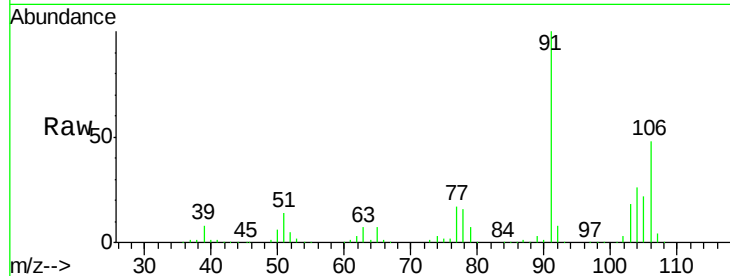




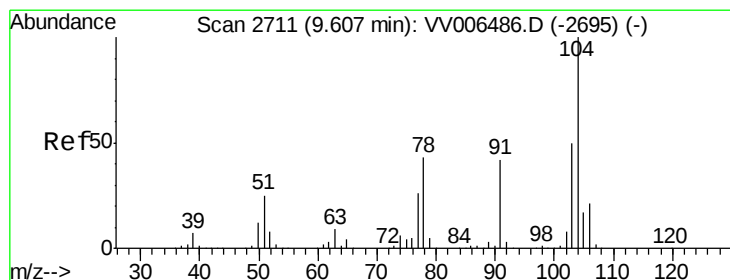
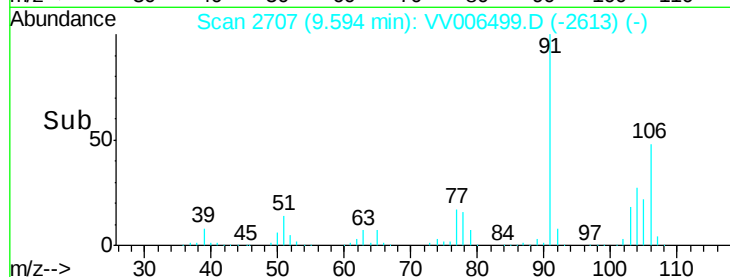
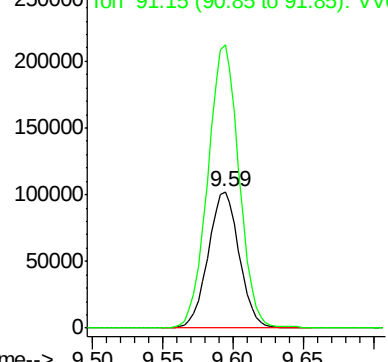
#54
o-xylene
Concen: 4.580 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tgt Ion:106 Resp: 157982
Ion Ratio Lower Upper
106 100
91 207.0 145.7 270.7

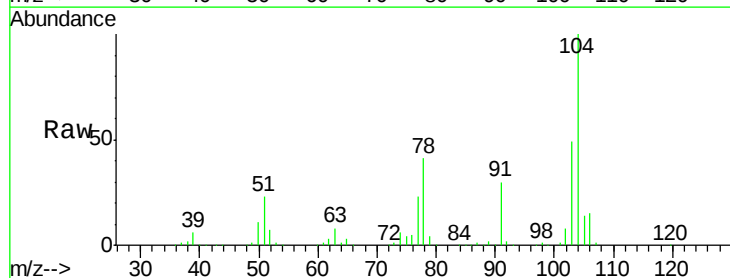


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

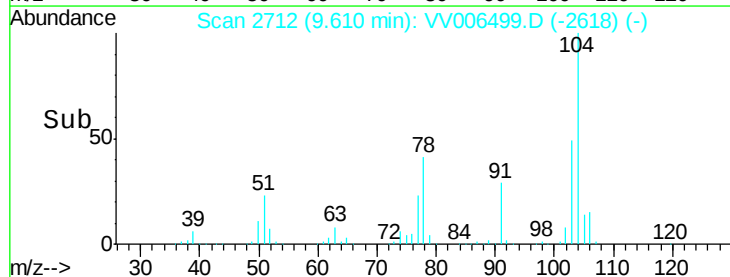
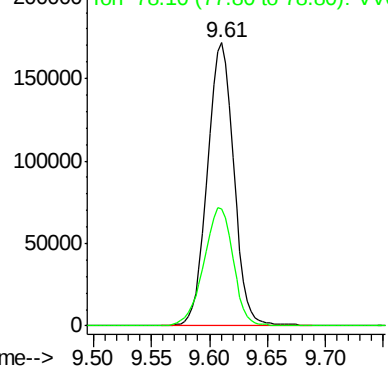


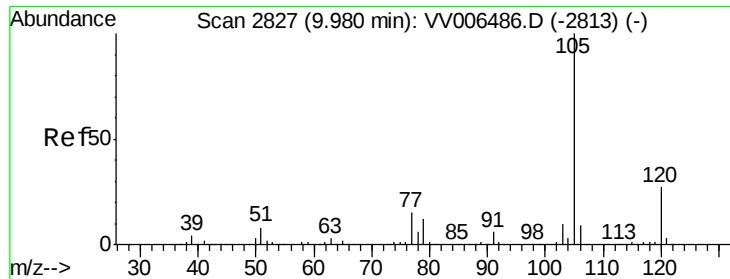
#55
Styrene
Concen: 4.798 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006499.D
Acq: 28 Jun 2018 19:45

Tgt Ion:104 Resp: 270796
Ion Ratio Lower Upper
104 100
78 41.5 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: 4.489 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

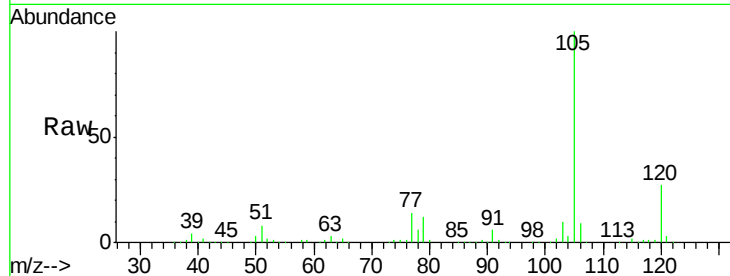
Tgt Ion: 105 Resp: 403556

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

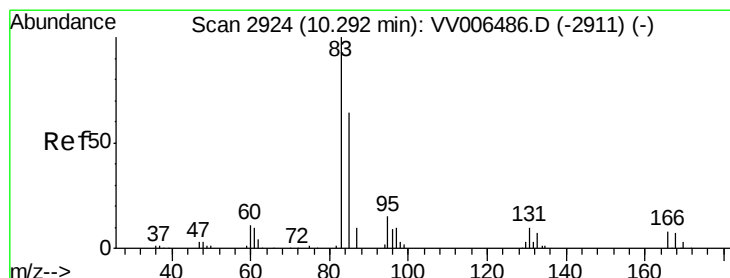
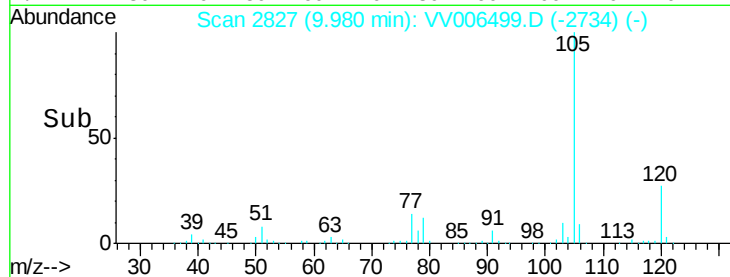
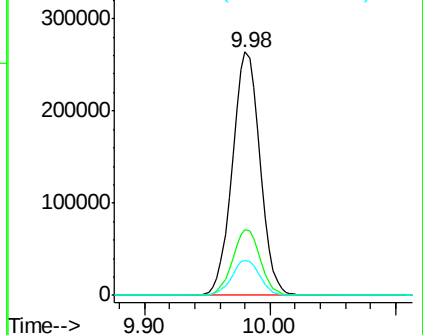
77 14.6 11.8 17.8



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: 5.507 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

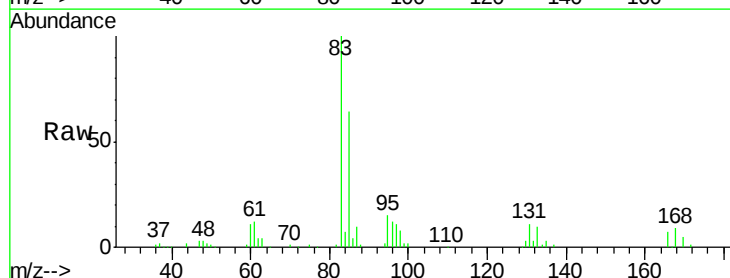
Tgt Ion: 83 Resp: 69719

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

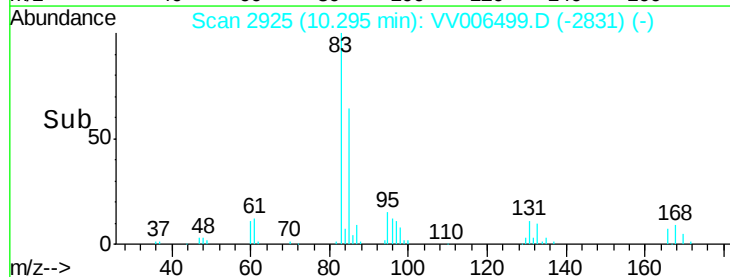
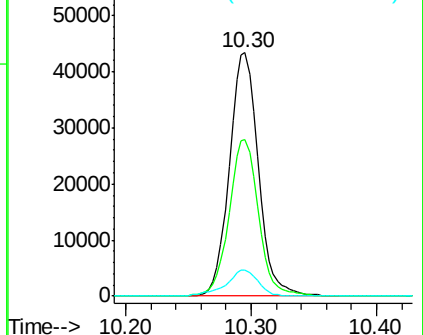
131 10.6 7.9 11.9

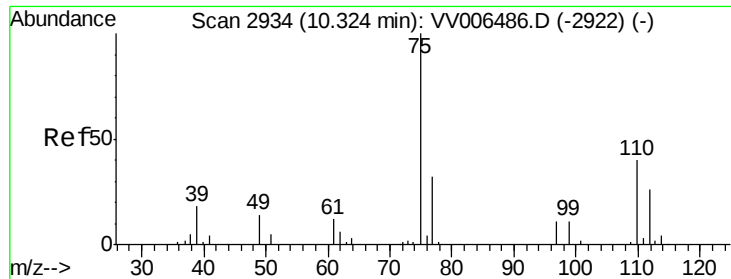


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

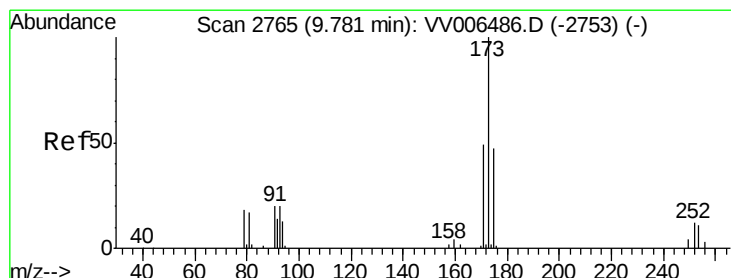
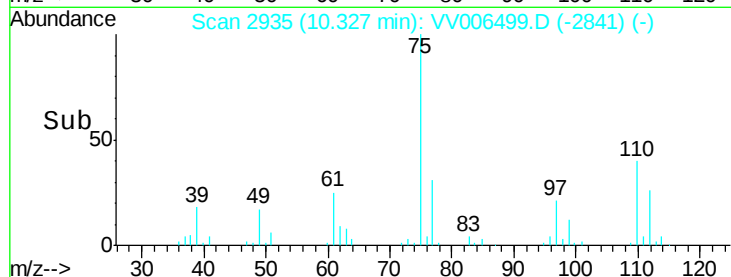
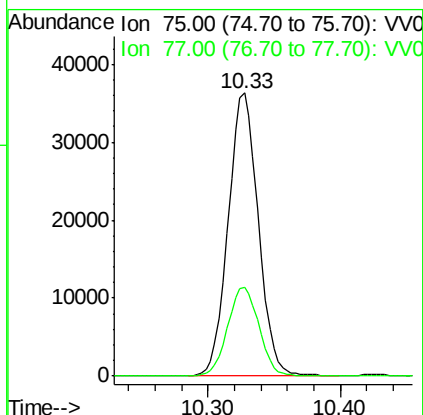
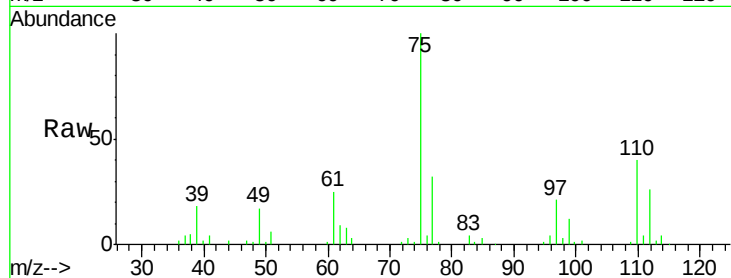




#59
 1,2,3-Trichloropropane
 Concen: 5.426 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

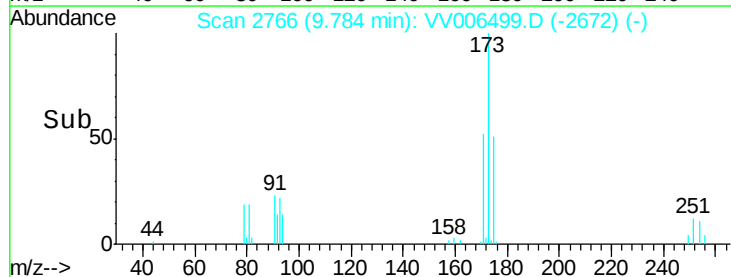
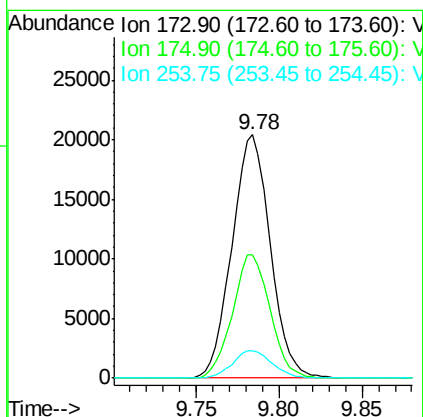
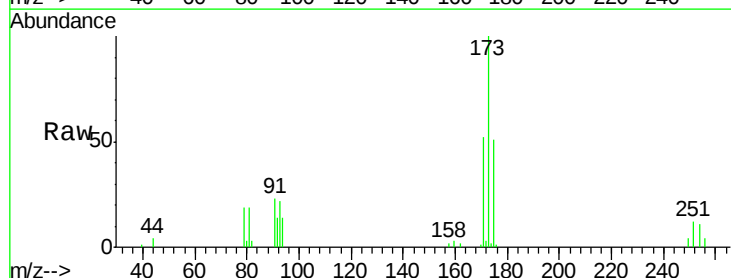
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

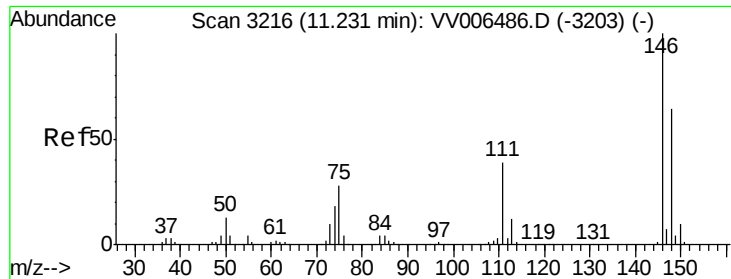
Tgt Ion: 75 Resp: 57358
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 4.500 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

Tgt Ion: 173 Resp: 32768
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.8 58.2
 254 11.5 9.0 13.6

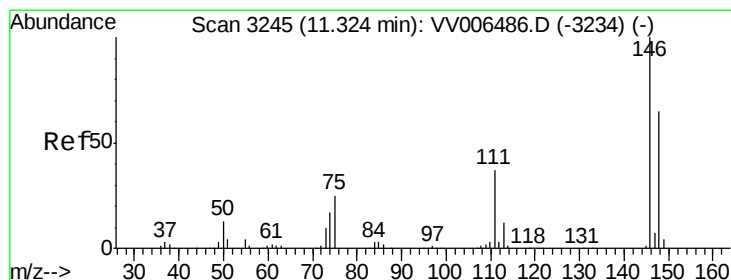
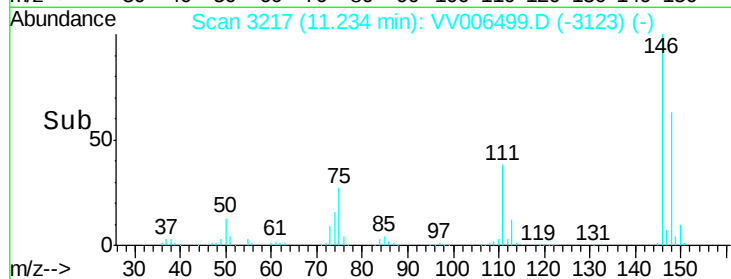
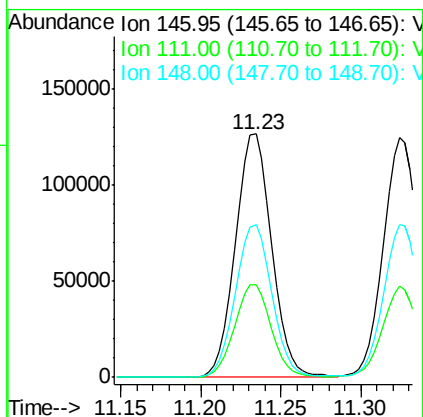
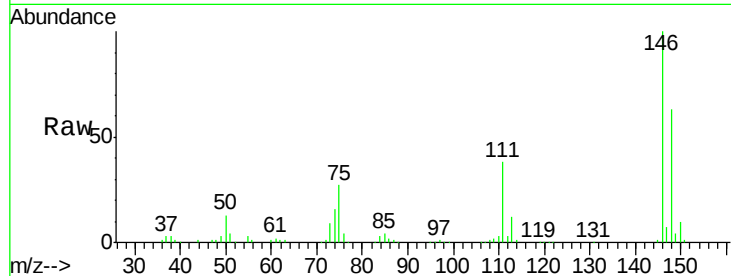




#62
 1,3-Dichlorobenzene
 Concen: 4.561 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

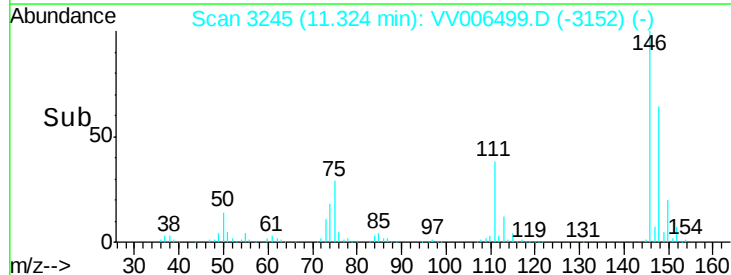
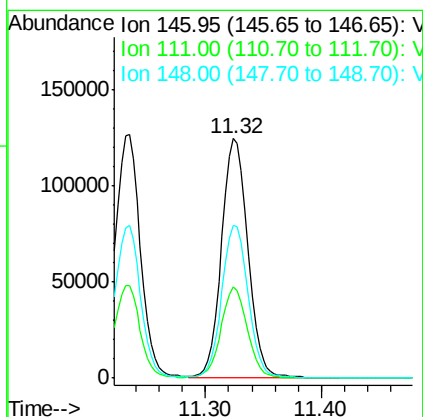
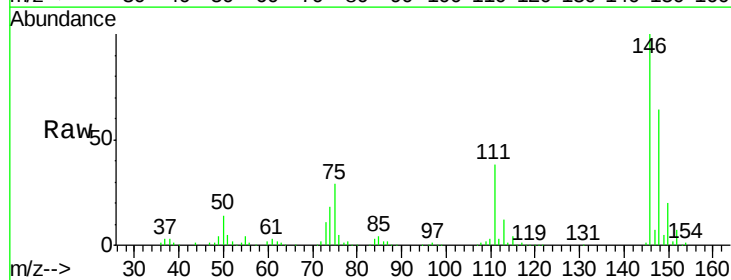
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

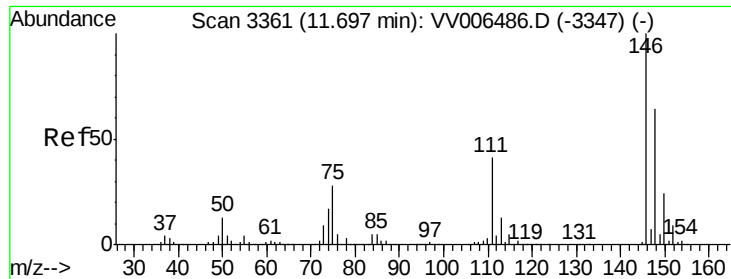
Tgt Ion:146 Resp: 194926
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.4 51.0
 148 62.5 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.597 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

Tgt Ion:146 Resp: 196507
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.3 48.9
 148 64.0 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 4.801 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

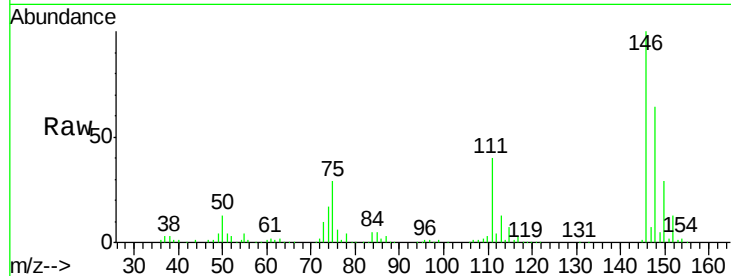
Tgt Ion:146 Resp: 192068

Ion Ratio Lower Upper

146 100

111 40.3 32.0 48.0

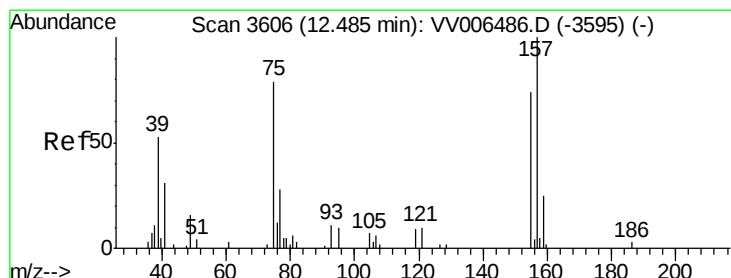
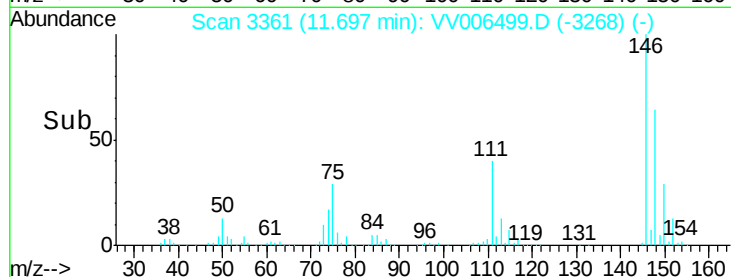
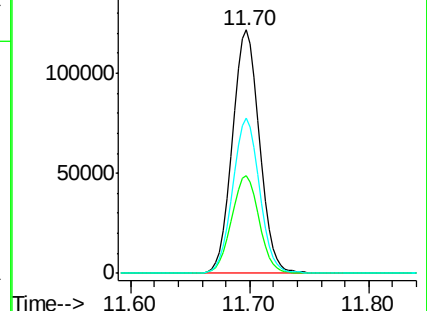
148 63.6 50.8 76.2



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: 4.800 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

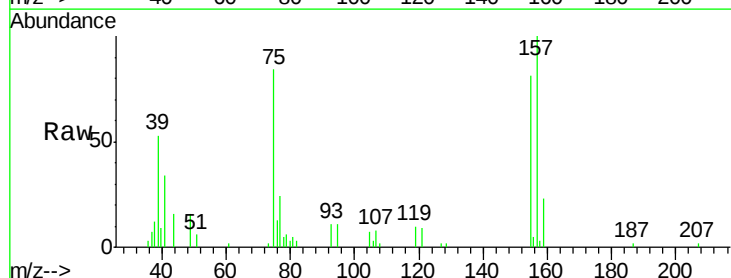
Tgt Ion: 75 Resp: 8159

Ion Ratio Lower Upper

75 100

155 96.8 73.9 110.9

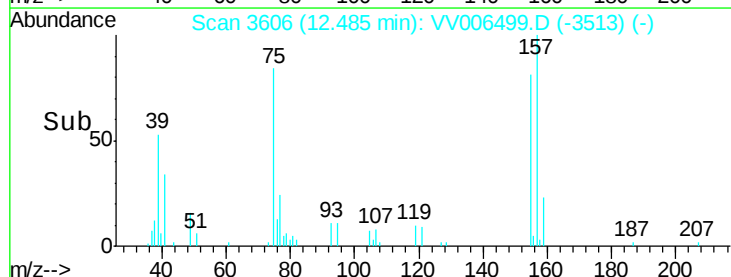
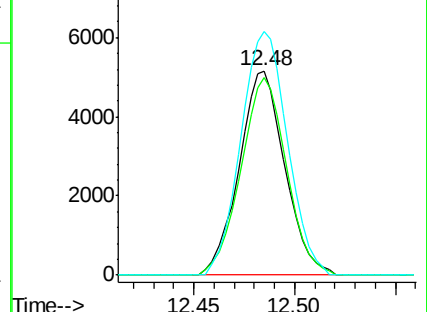
157 119.3 92.9 139.3

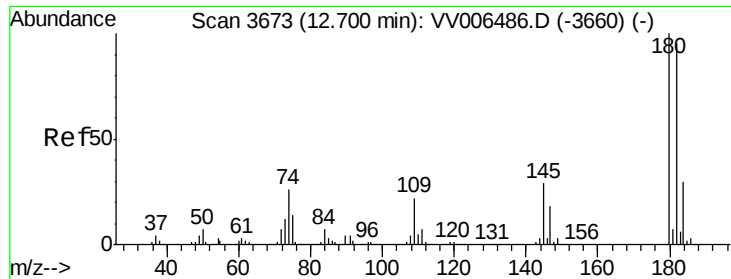


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

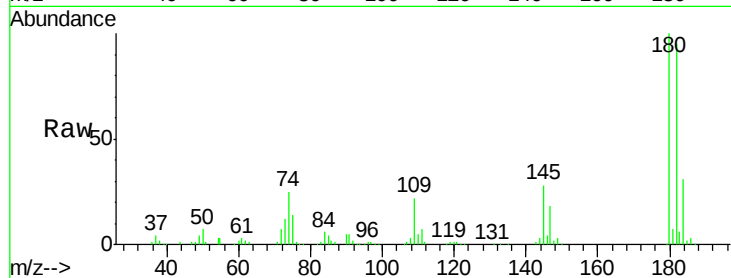




#67
 1,3,5-Trichlorobenzene
 Concen: 4.497 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00567

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	30.8	24.5	36.7
145	28.2	22.6	34.0

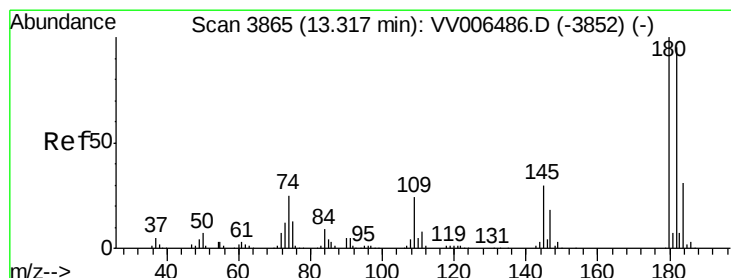
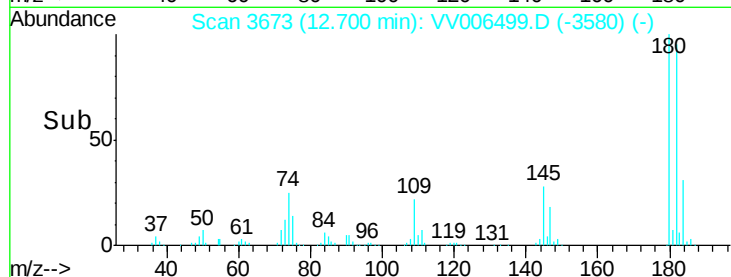
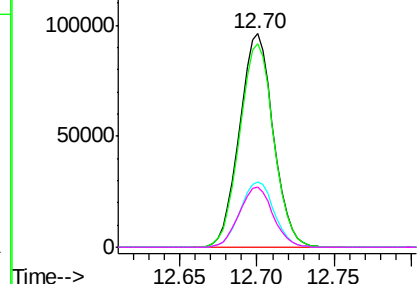


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

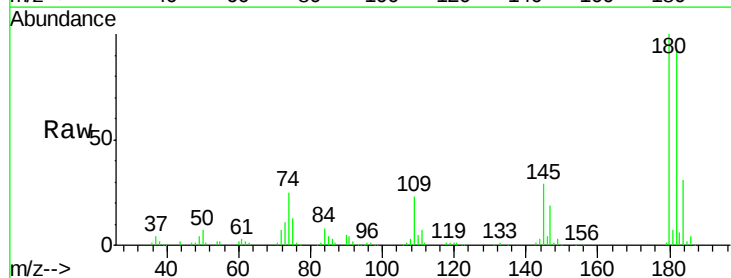
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.794 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006499.D
 Acq: 28 Jun 2018 19:45

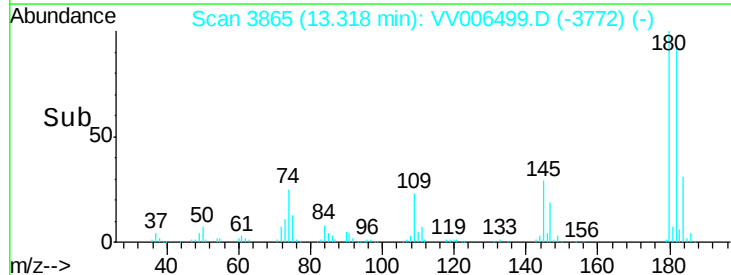
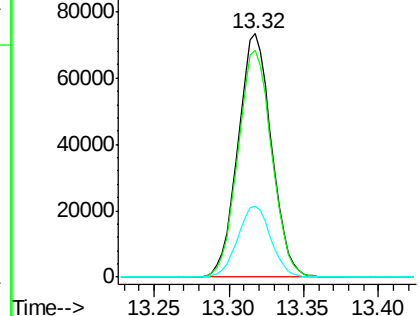
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.7	115.1
145	28.8	23.0	34.6

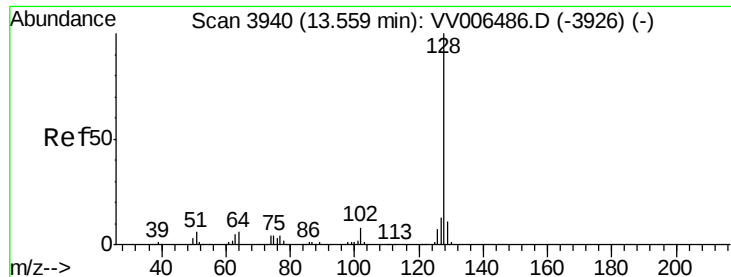


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.214 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00567

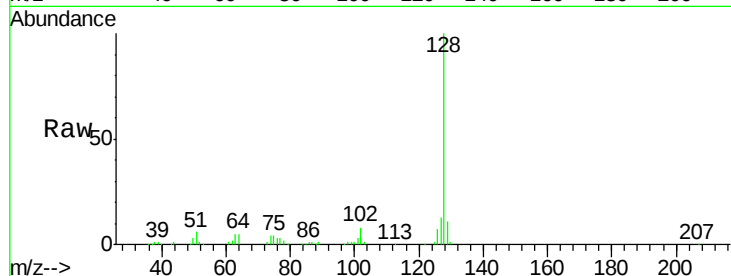
Tgt Ion:128 Resp: 181499

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

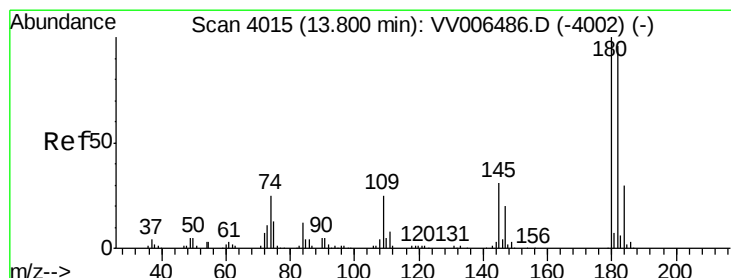
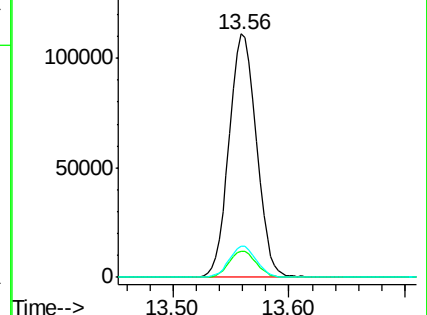
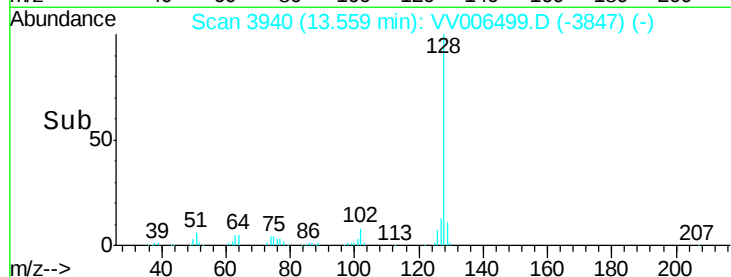
127 12.6 10.2 15.4



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: 4.989 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006499.D

Acq: 28 Jun 2018 19:45

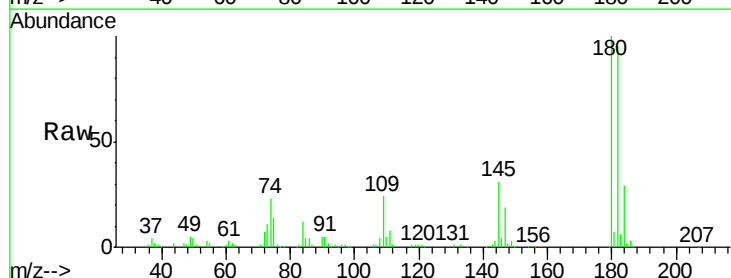
Tgt Ion:180 Resp: 110592

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 30.5 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

