

Data File : VV006333.D
Acq On : 18 Jun 2018 10:17
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Quant Time: Jun 18 12:49:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 18 03:14:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	392409	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	359072	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	175790	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122697	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.59	69	99006	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.13	63	221473	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.40%
20) 2-Butanone-d5	3.97	46	246730	54.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.44%
24) Chloroform-d	4.41	84	213762	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.09	65	101429	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	447519	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.12	67	131325	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	435521	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.67	79	51818	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	223923	44.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.36%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	87379	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	157122	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	122536	4.100 ug/L	99
3) Chloromethane	1.26	50	127956	5.119 ug/L	100
5) Vinyl chloride	1.32	62	142272	4.701 ug/L	99
6) Bromomethane	1.54	94	78804	4.902 ug/L	96
8) Chloroethane	1.60	64	90610	5.356 ug/L	100
9) Trichlorofluoromethane	1.77	101	182578	4.650 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	118227	4.879 ug/L	98
12) 1,1-Dichloroethene	2.14	96	110239	4.895 ug/L	96
13) Acetone	2.22	43	162899	66.060 ug/L	95
14) Carbon disulfide	2.32	76	298895	3.962 ug/L	99
15) Methyl Acetate	2.47	43	44185	6.021 ug/L	97
16) Methylene chloride	2.54	84	124133	4.993 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	285932	5.131 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	122033	4.967 ug/L	98
19) 1,1-Dichloroethane	3.23	63	219274	5.306 ug/L	99
21) 2-Butanone	4.05	43	257596	57.420 ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	134446	5.057 ug/L #	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 18 03:14:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53774	5.043	ug/L	97
25) Chloroform	4.43	83	224975	5.272	ug/L	98
27) 1,2-Dichloroethane	5.19	62	125029	5.103	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	187964	4.738	ug/L	99
30) Cyclohexane	4.73	56	177171	4.343	ug/L	98
31) Carbon tetrachloride	4.88	117	159981	4.572	ug/L	100
33) Benzene	5.15	78	495990	5.010	ug/L	100
34) Trichloroethene	5.96	95	136073	5.036	ug/L	97
35) Methylcyclohexane	6.18	83	208578	4.491	ug/L	100
37) 1,2-Dichloropropane	6.23	63	122594	5.169	ug/L	100
38) Bromodichloromethane	6.56	83	146861	4.650	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	181118	4.685	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	622803	50.771	ug/L	99
42) Toluene	7.43	91	539508	4.937	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	143074	4.563	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	87147	5.192	ug/L	98
47) Tetrachloroethene	8.02	164	108416	5.013	ug/L	98
48) 2-Hexanone	8.19	43	443349	51.425	ug/L	99
49) Dibromochloromethane	8.30	129	98464	4.659	ug/L	98
50) 1,2-Dibromoethane	8.40	107	79018	5.052	ug/L	96
51) Chlorobenzene	8.93	112	359759	5.128	ug/L	99
52) Ethylbenzene	9.06	91	600190	4.930	ug/L	99
53) m,p-xylene	9.19	106	234173	4.930	ug/L	97
54) o-xylene	9.59	106	229447	4.940	ug/L	99
55) Styrene	9.61	104	384906	5.038	ug/L	99
56) Isopropylbenzene	9.98	105	612296	5.006	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	88312	4.593	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	69107	5.172	ug/L	100
61) Bromoform	9.78	173	50321	4.219	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	281626	5.085	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	279182	5.096	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	264058	5.168	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13023	3.878	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	226383	5.311	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	172708	5.240	ug/L	99
69) Naphthalene	13.56	128	261097	4.708	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	157451	5.200	ug/L	100

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

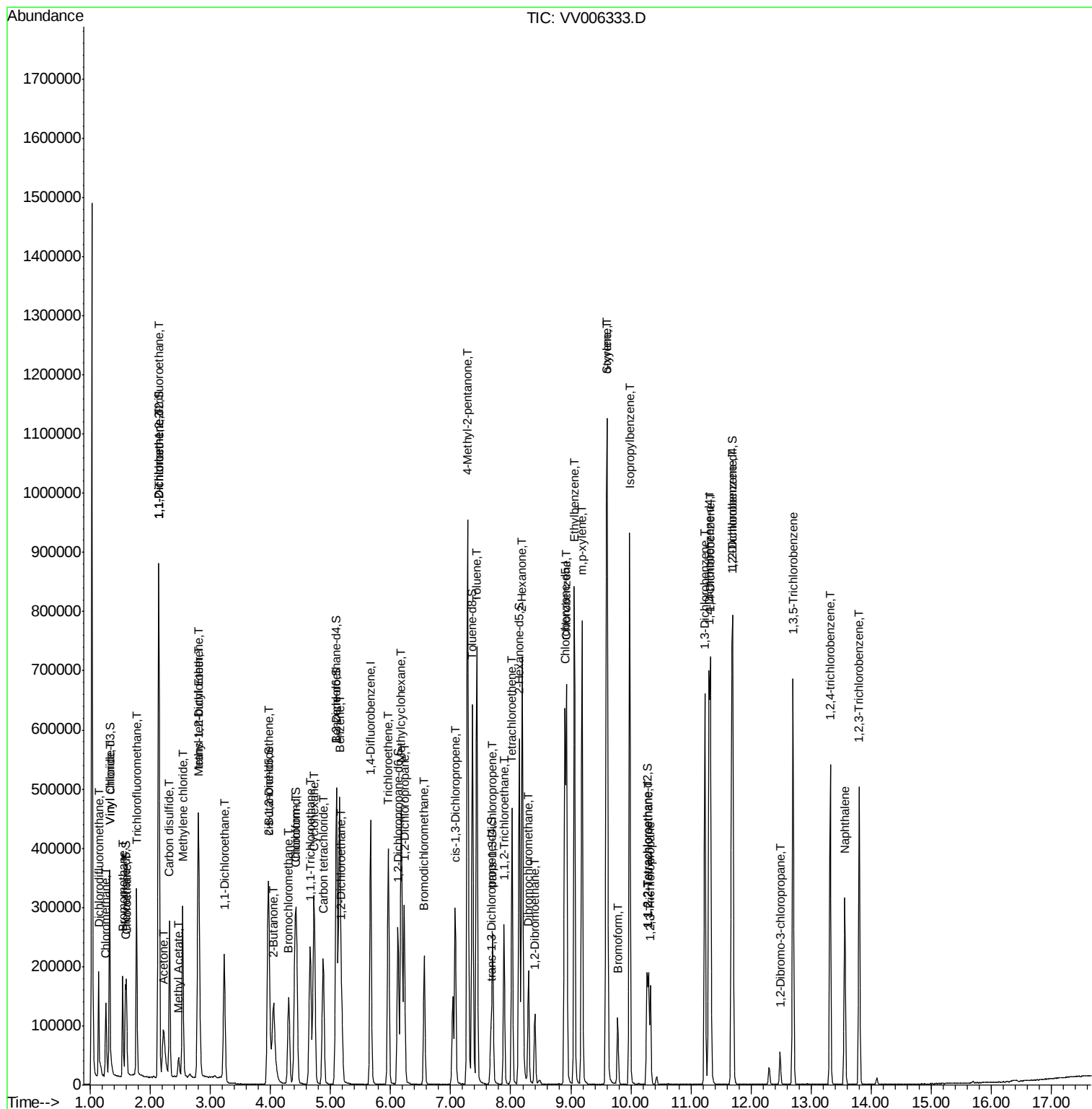
Quant Time: Jun 18 12:49:54 2018

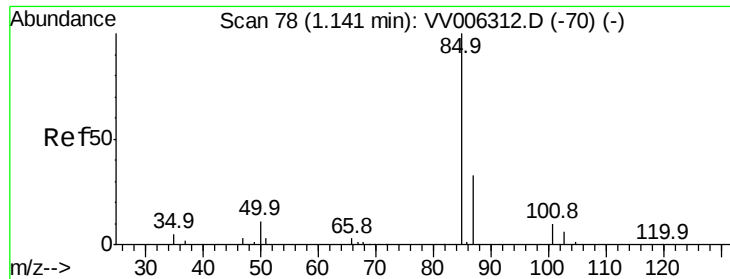
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR053118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jun 18 03:14:32 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.100 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

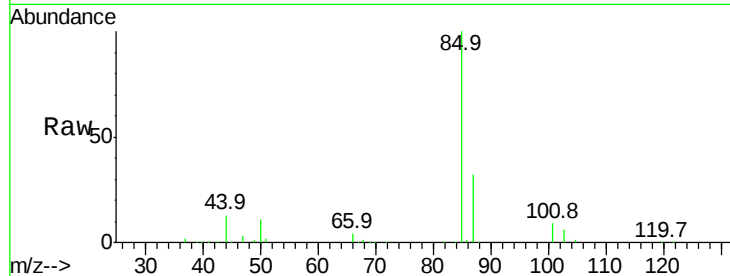
VSTD00570

Tgt Ion: 85 Resp: 122536

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

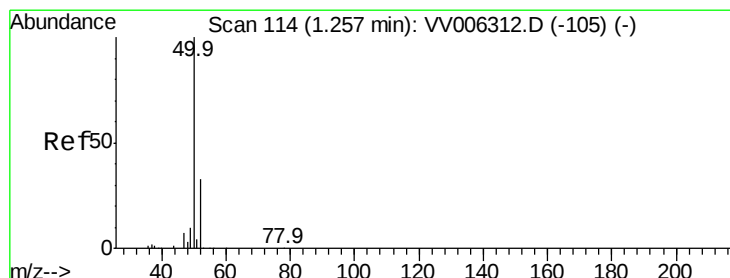
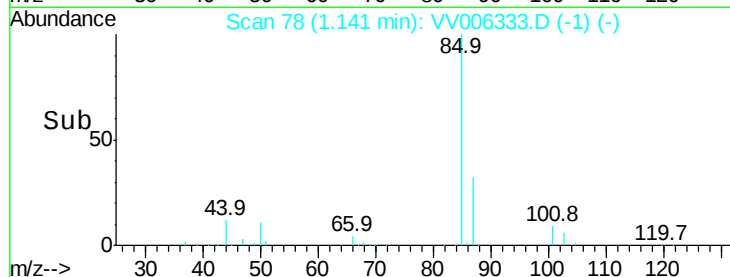
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.119 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006333.D

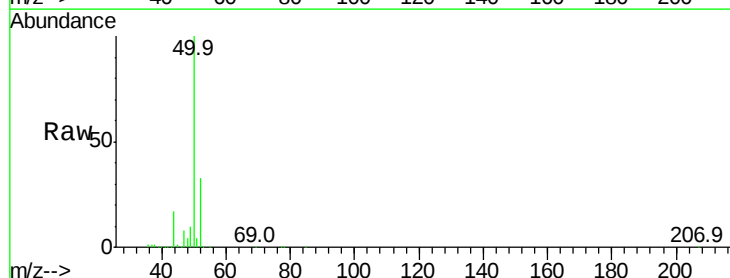
Acq: 18 Jun 2018 10:17

Tgt Ion: 50 Resp: 127956

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

80000

60000

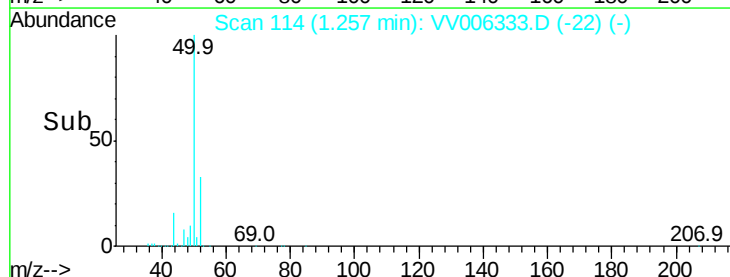
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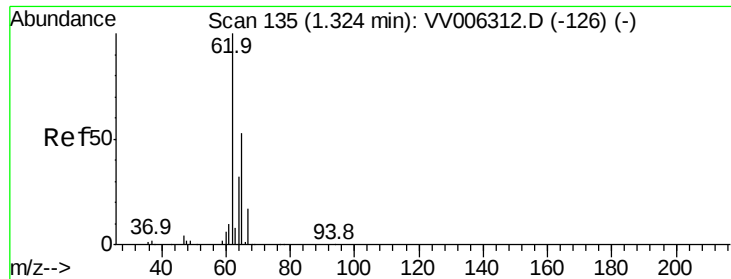
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.701 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

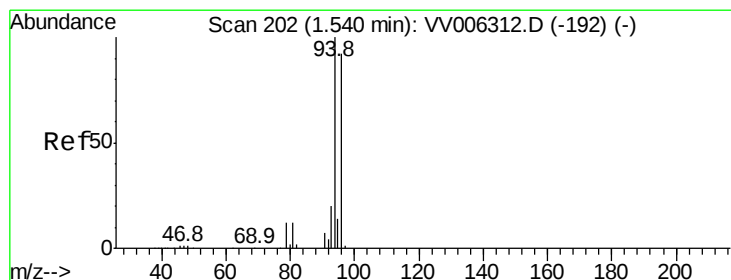
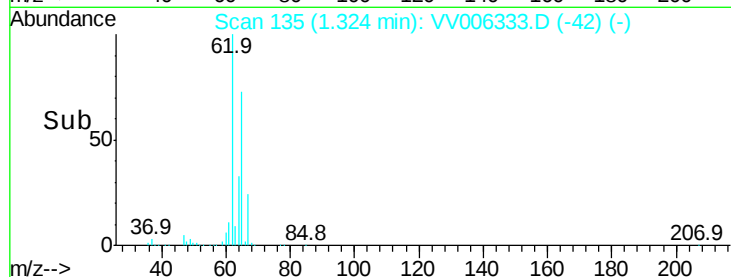
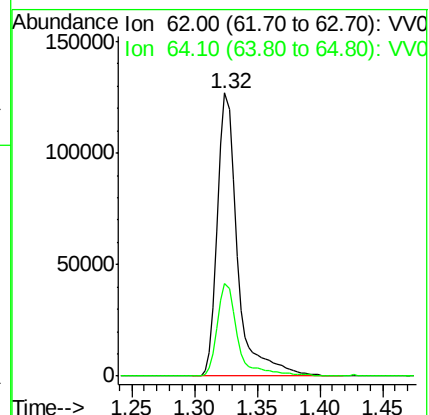
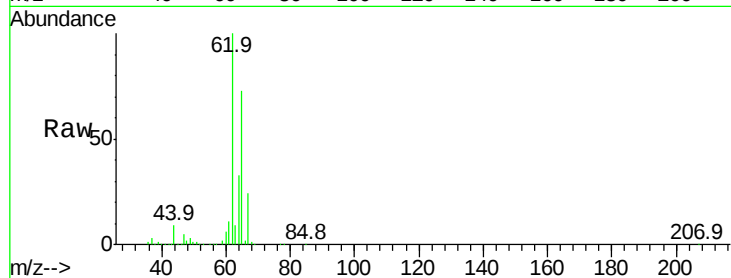
VSTD00570

Tgt Ion: 62 Resp: 142272

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 4.902 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006333.D

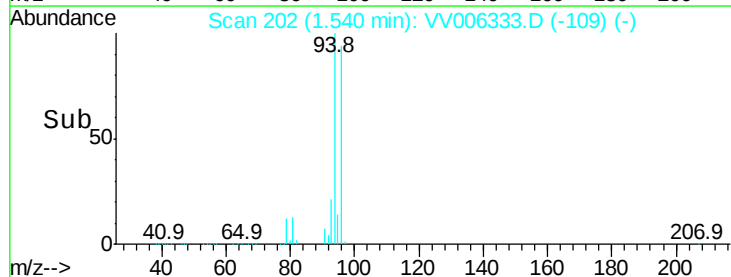
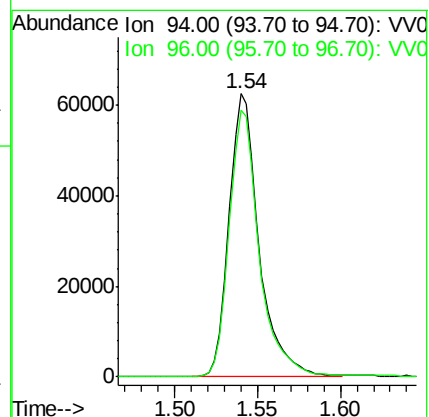
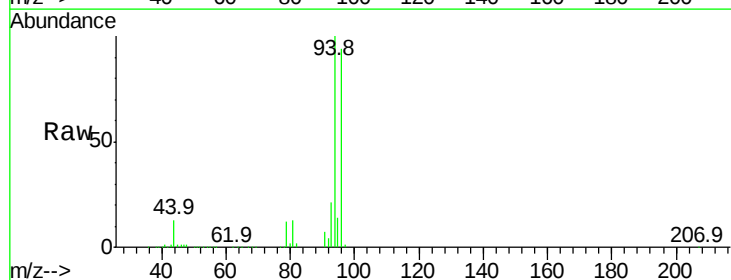
Acq: 18 Jun 2018 10:17

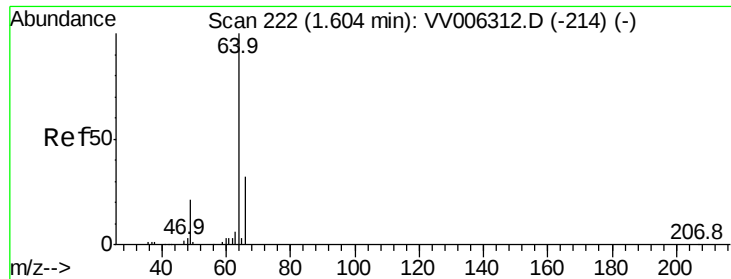
Tgt Ion: 94 Resp: 78804

Ion Ratio Lower Upper

94 100

96 94.4 68.9 127.9





#8

Chloroethane

Concen: 5.356 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

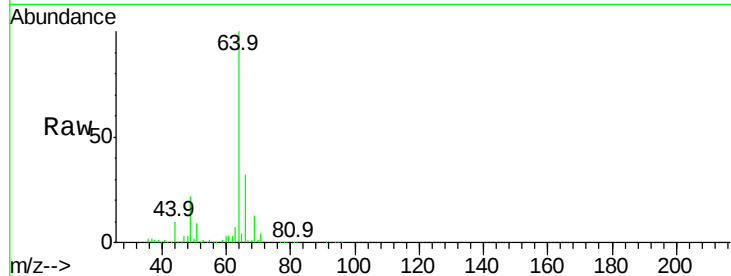
VSTD00570

Tgt Ion: 64 Resp: 90610

Ion Ratio Lower Upper

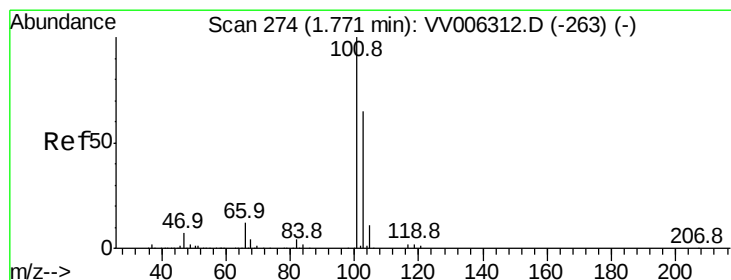
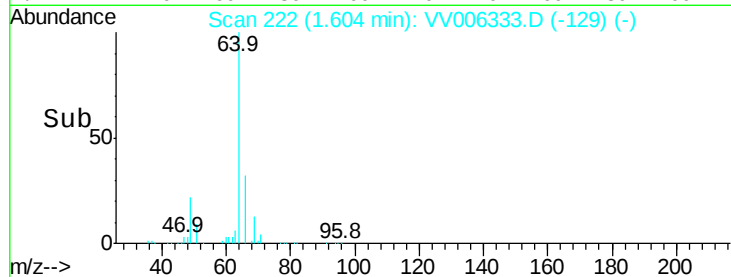
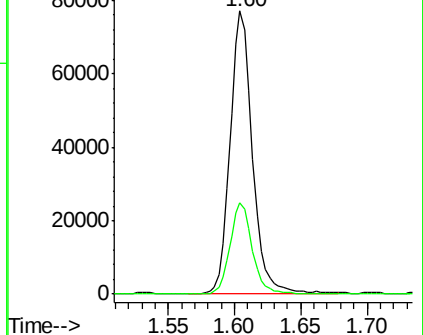
64 100

66 32.3 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006333.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006333.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.650 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006333.D

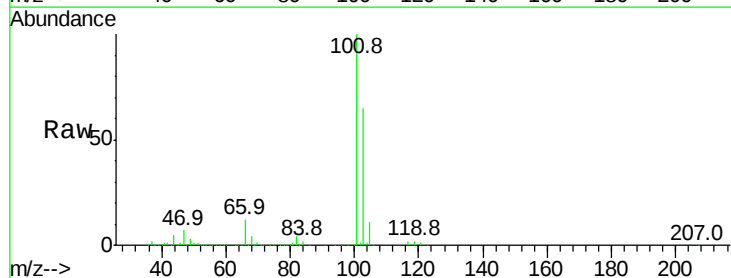
Acq: 18 Jun 2018 10:17

Tgt Ion: 101 Resp: 182578

Ion Ratio Lower Upper

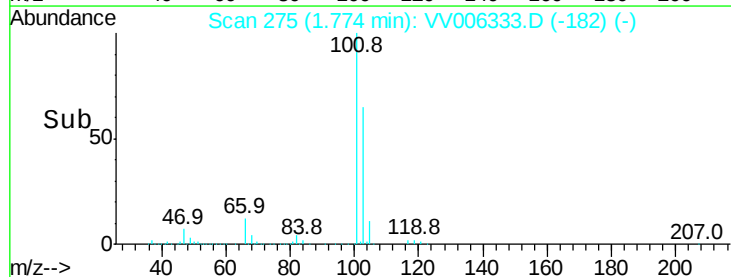
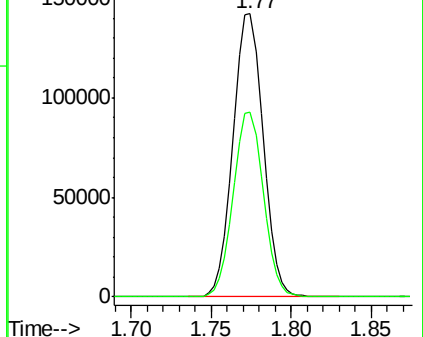
101 100

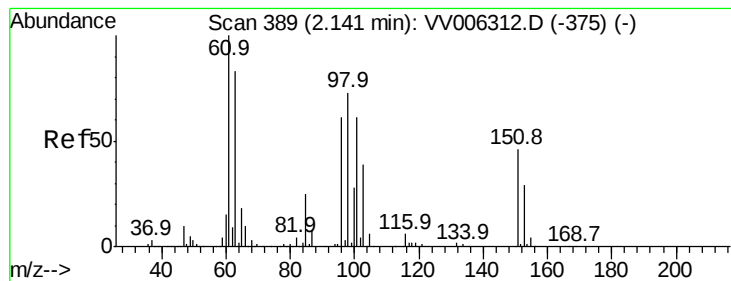
103 65.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006333.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006333.D (-182) (-)





#10

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

Concen: 4.879 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

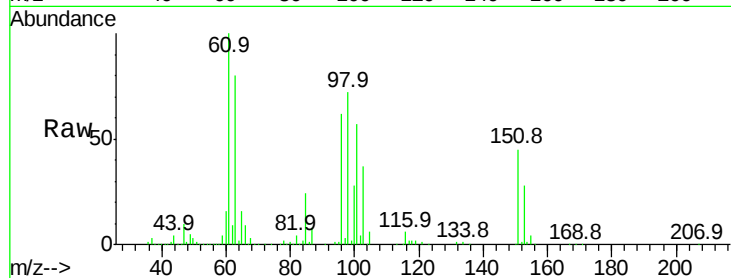
Tgt Ion: 101 Resp: 118227

Ion Ratio Lower Upper

101 100

85 42.1 32.6 49.0

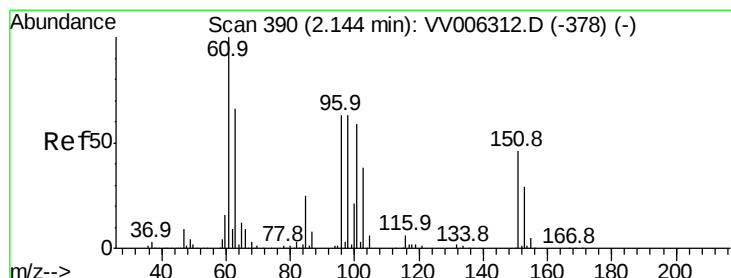
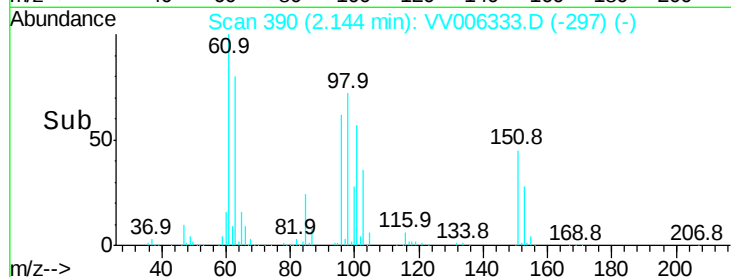
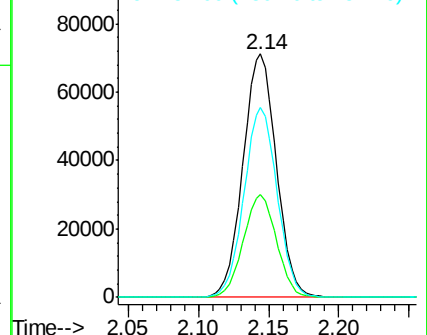
151 77.5 60.9 91.3



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: 4.895 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

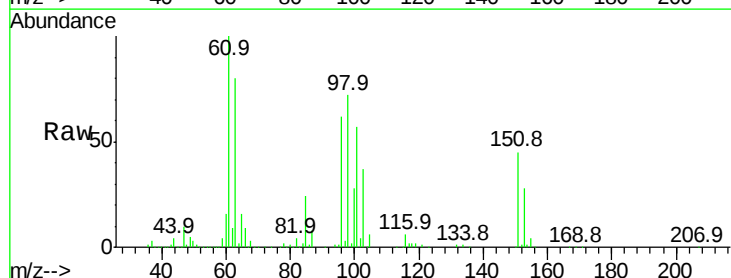
Tgt Ion: 96 Resp: 110239

Ion Ratio Lower Upper

96 100

61 160.5 114.2 212.2

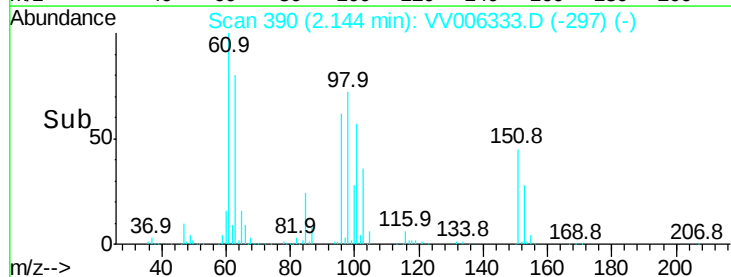
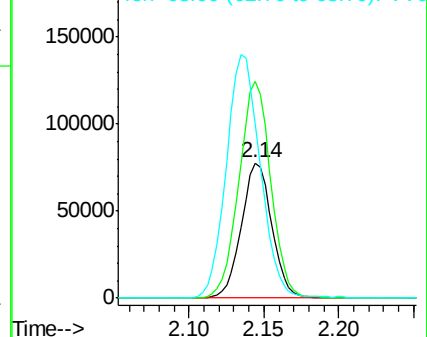
63 129.2 85.0 157.8

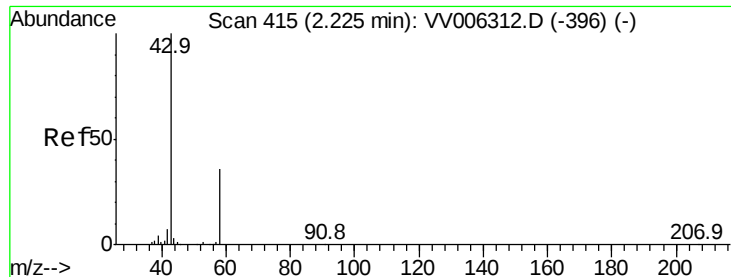


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 66.060 ug/L

RT: 2.22 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampled :

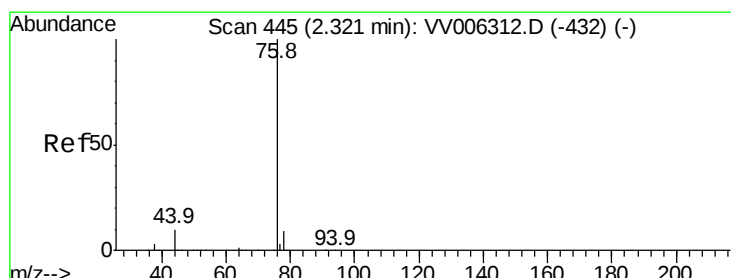
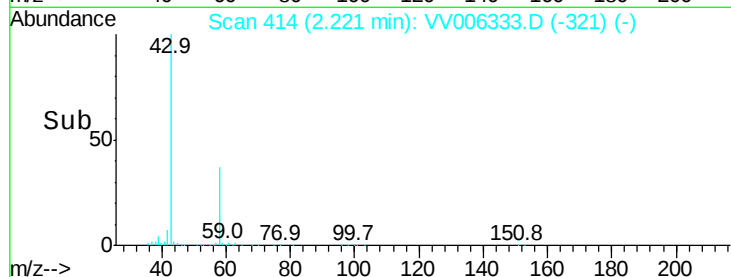
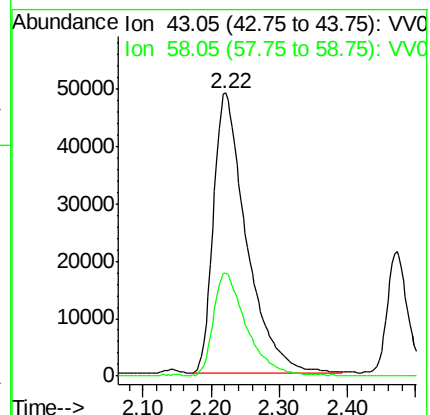
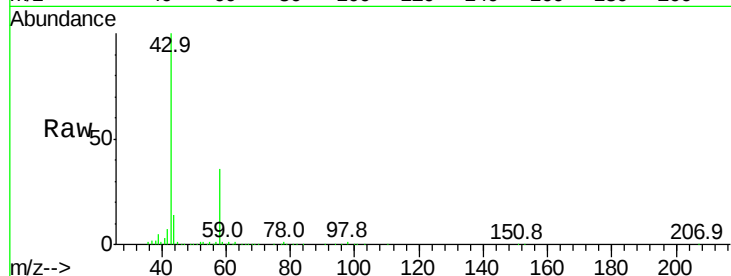
VSTD00570

Tgt Ion: 43 Resp: 162899

Ion Ratio Lower Upper

43 100

58 36.6 0.0 67.4



#14

Carbon disulfide

Concen: 3.962 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006333.D

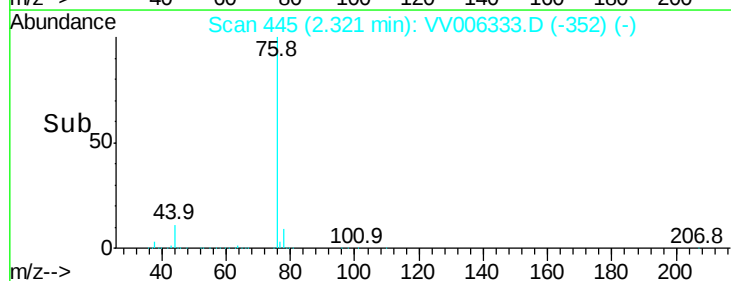
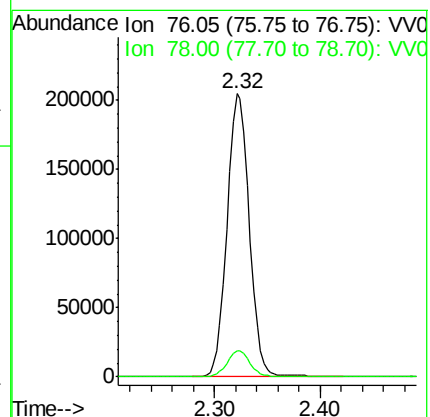
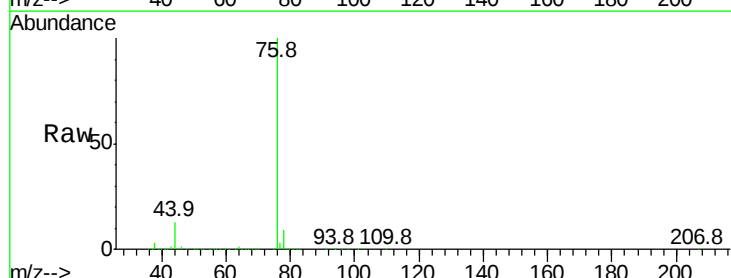
Acq: 18 Jun 2018 10:17

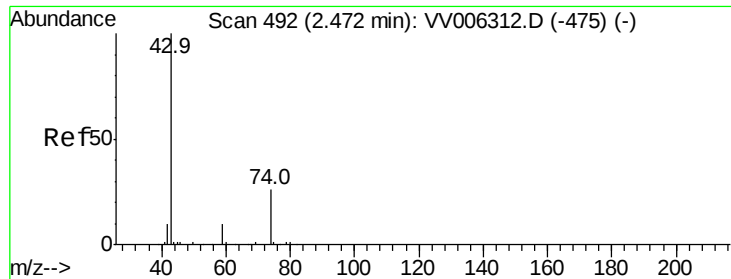
Tgt Ion: 76 Resp: 298895

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

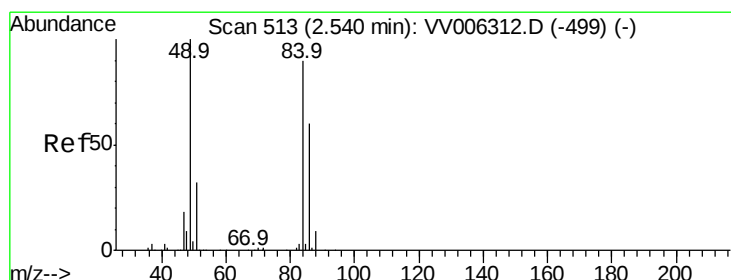
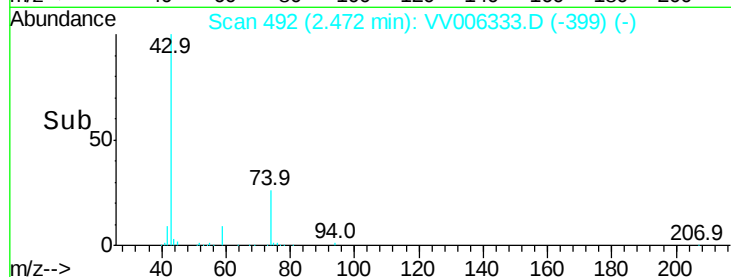
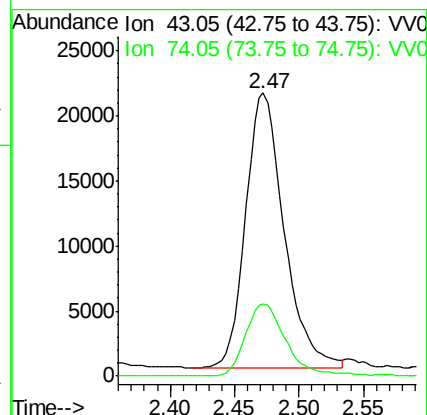
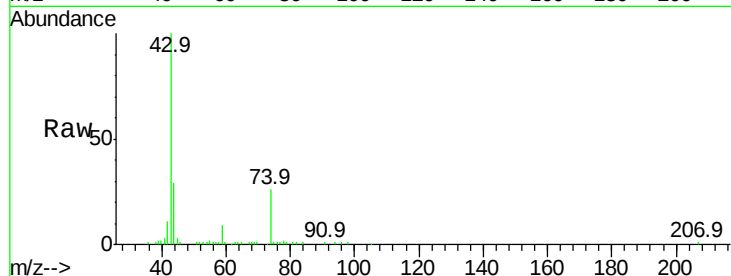




#15
Methyl Acetate
Concen: 6.021 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

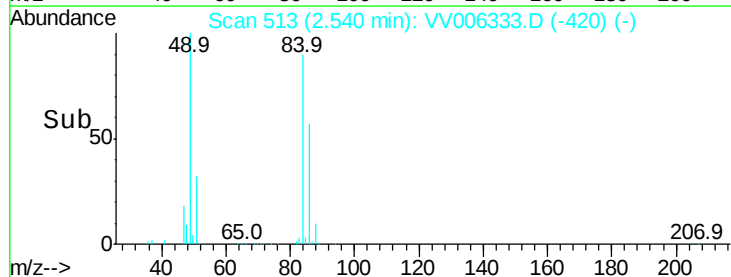
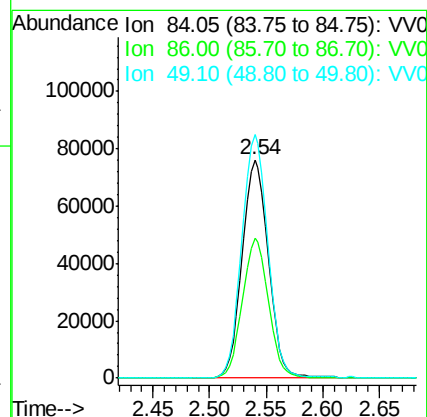
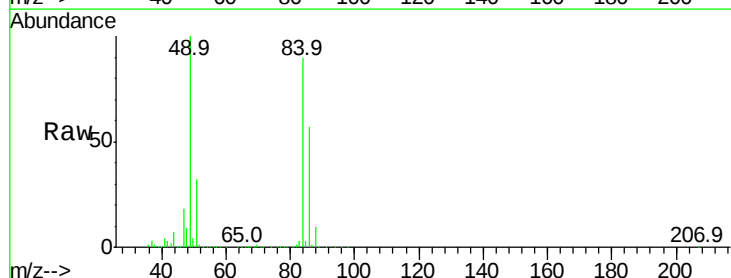
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

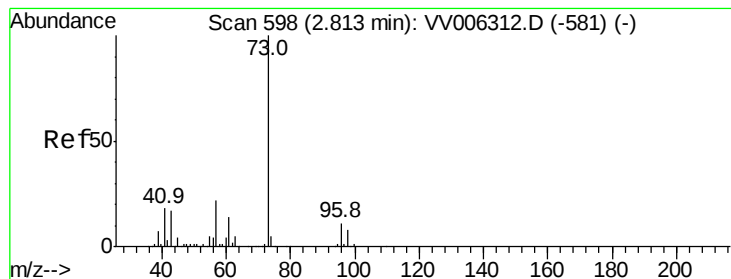
Tgt Ion: 43 Resp: 44185
Ion Ratio Lower Upper
43 100
74 27.7 23.4 35.0



#16
Methylene chloride
Concen: 4.993 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion: 84 Resp: 124133
Ion Ratio Lower Upper
84 100
86 63.9 44.2 82.0
49 111.6 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.131 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

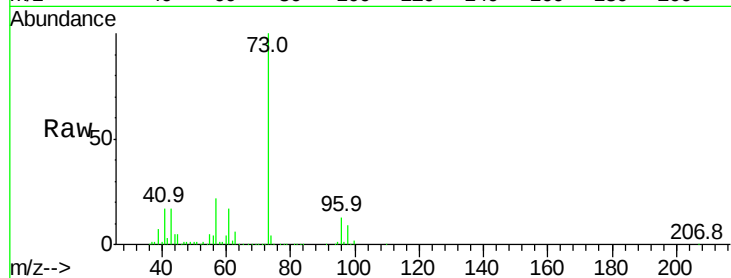
Tgt Ion: 73 Resp: 285932

Ion Ratio Lower Upper

73 100

43 16.6 14.2 21.4

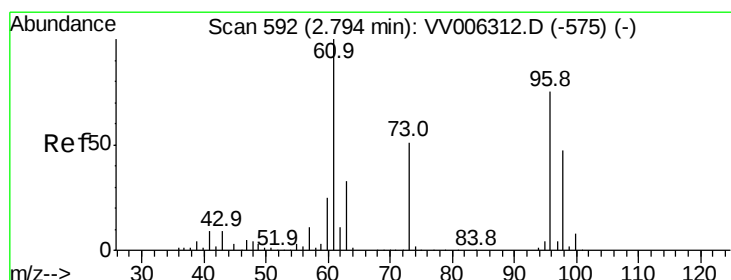
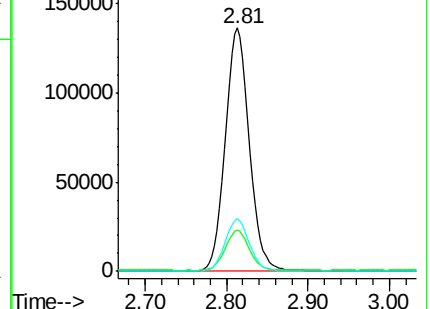
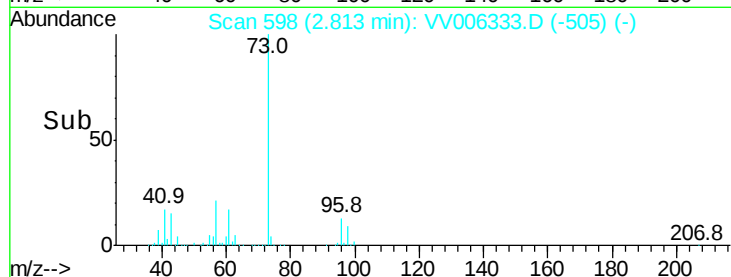
57 21.4 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006333.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006333.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006333.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.967 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

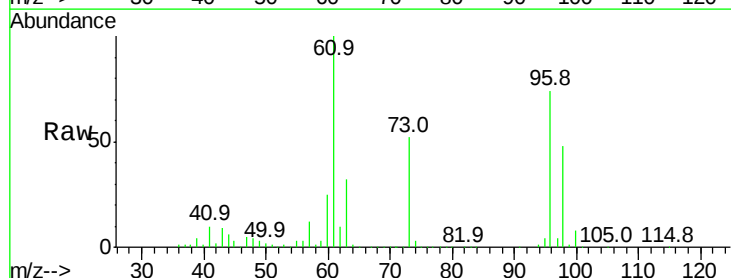
Tgt Ion: 96 Resp: 122033

Ion Ratio Lower Upper

96 100

61 134.7 96.3 178.9

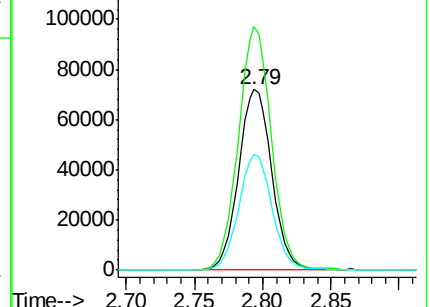
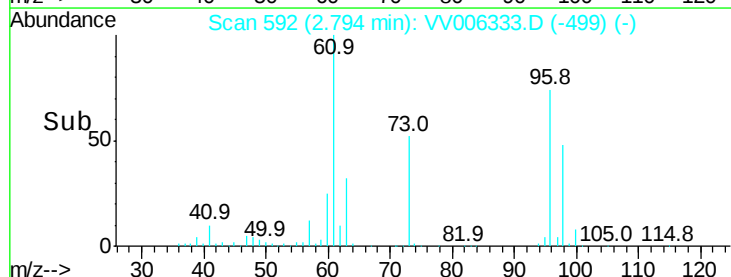
98 64.2 45.4 84.2

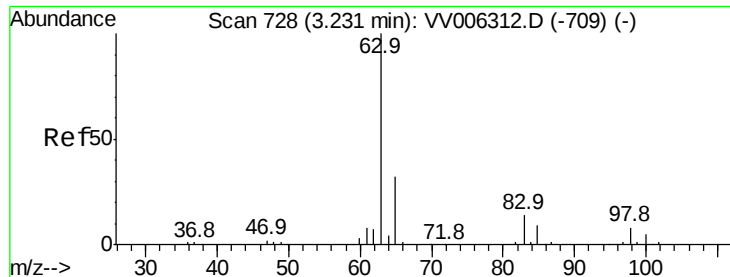


Abundance Ion 96.00 (95.70 to 96.70): VV006333.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006333.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006333.D (-499) (-)

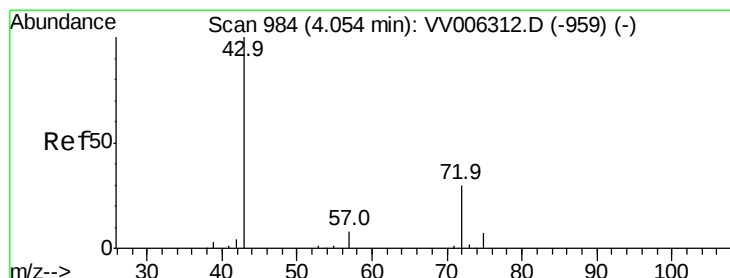
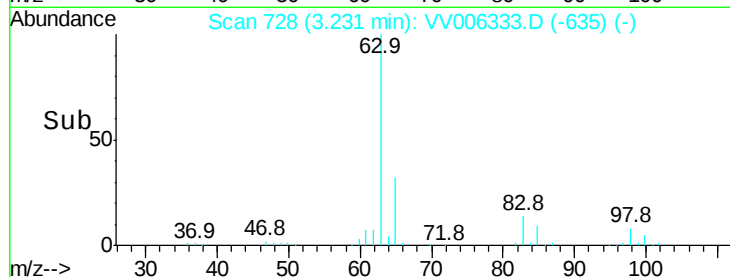
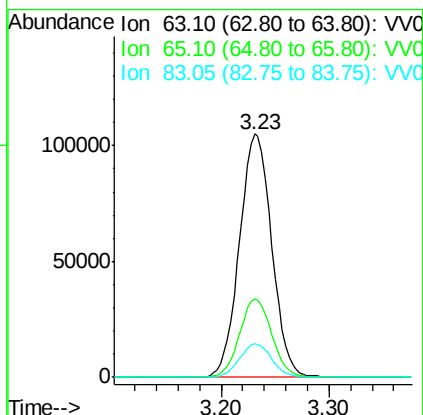
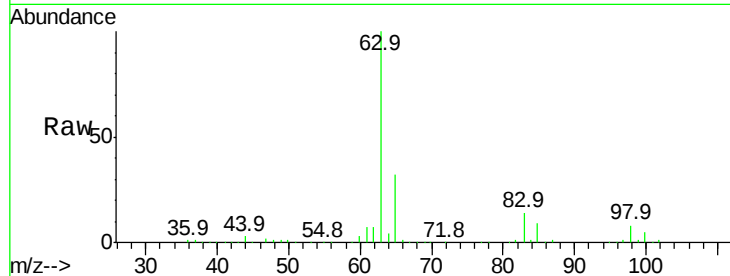




#19
 1,1-Dichloroethane
 Concen: 5.306 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

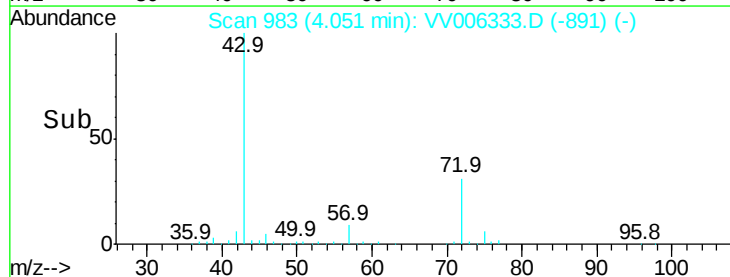
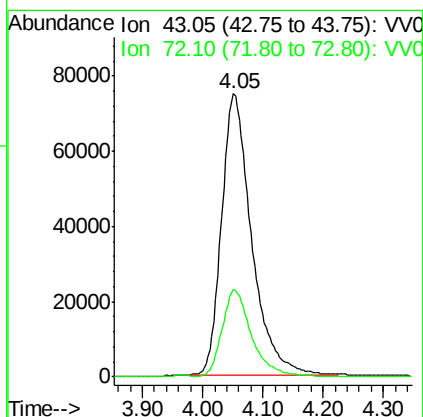
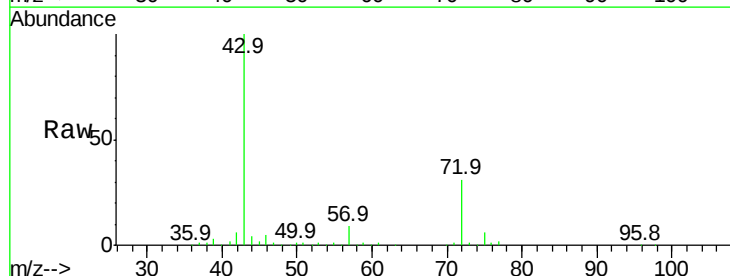
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

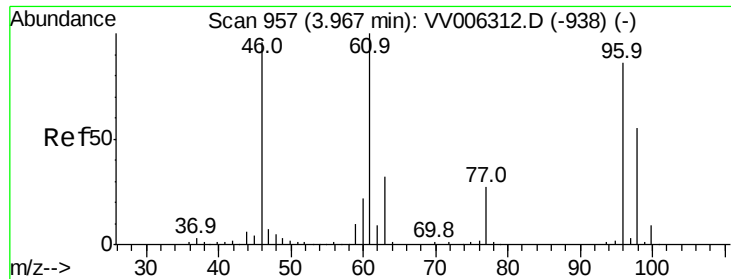
Tgt Ion: 63 Resp: 219274
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.3 41.3
 83 13.7 10.0 18.6



#21
 2-Butanone
 Concen: 57.420 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

Tgt Ion: 43 Resp: 257596
 Ion Ratio Lower Upper
 43 100
 72 30.7 13.8 41.3



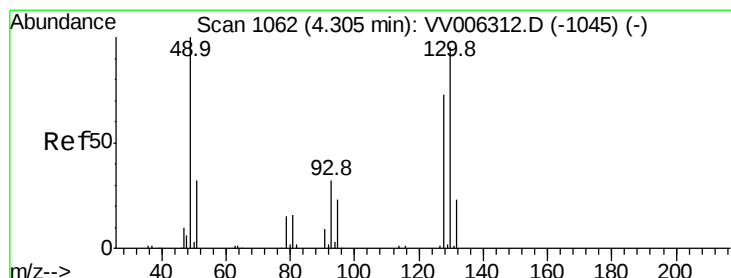
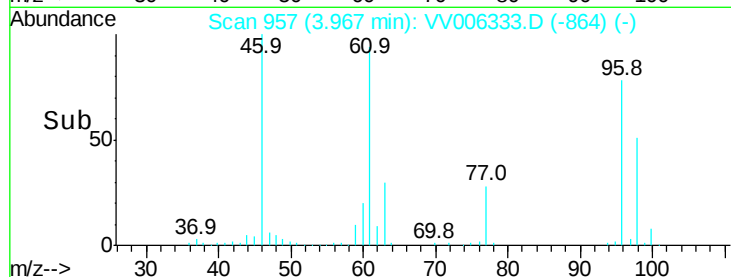
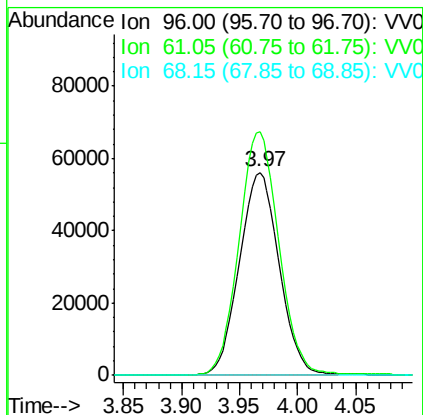
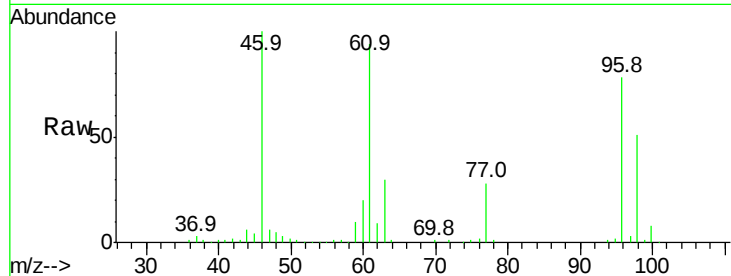


#22

cis-1,2-Dichloroethene
Concen: 5.057 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

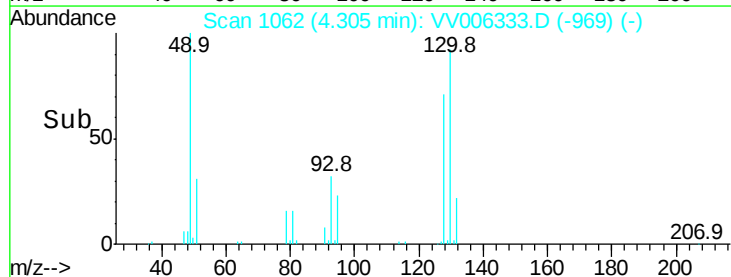
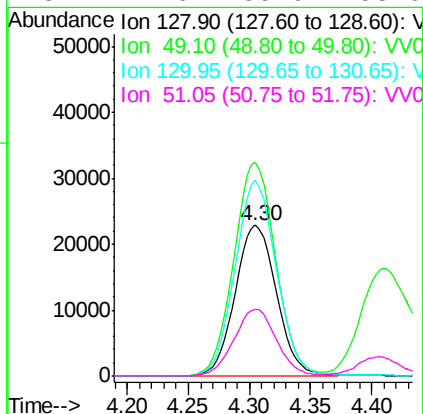
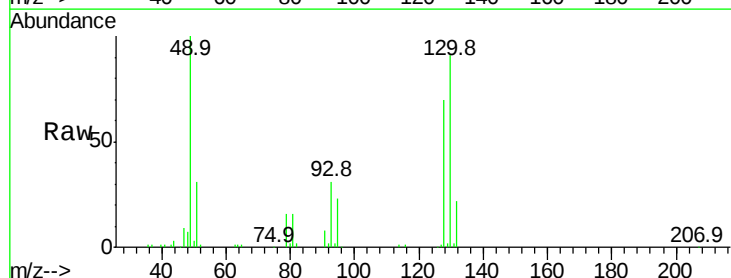
Tgt Ion: 96 Resp: 134446
Ion Ratio Lower Upper
96 100
61 119.9 84.1 156.3
68 0.0 0.3 0.5#

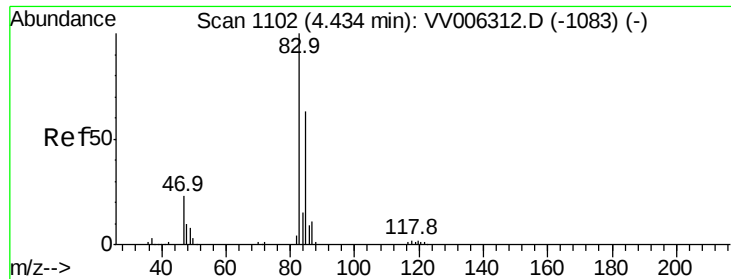


#23

Bromochloromethane
Concen: 5.043 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion: 128 Resp: 53774
Ion Ratio Lower Upper
128 100
49 141.9 97.1 180.3
130 129.7 86.6 160.8
51 44.6 35.9 53.9





#25

Chloroform

Concen: 5.272 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

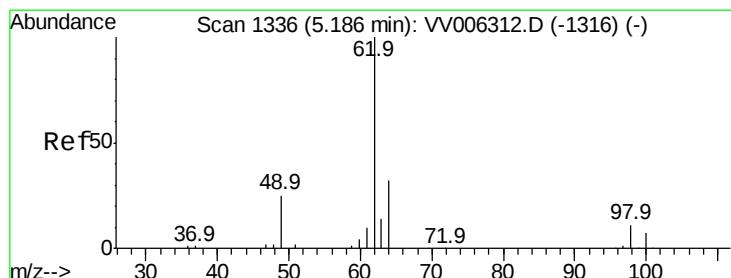
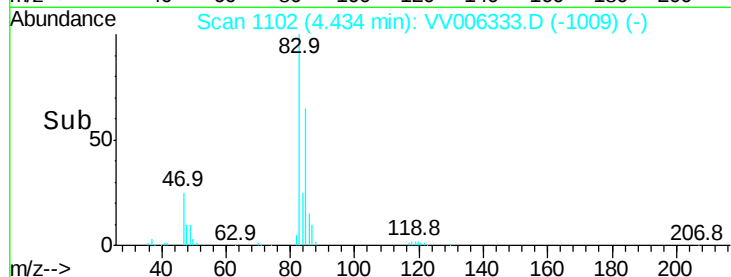
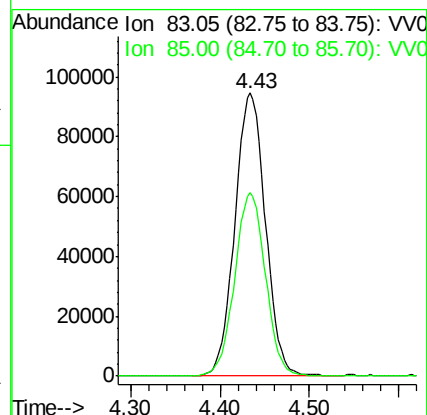
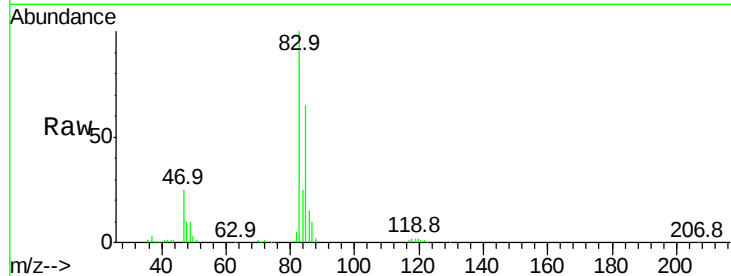
VSTD00570

Tgt Ion: 83 Resp: 224975

Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.103 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006333.D

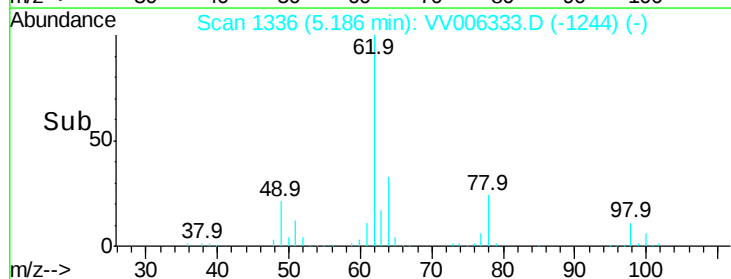
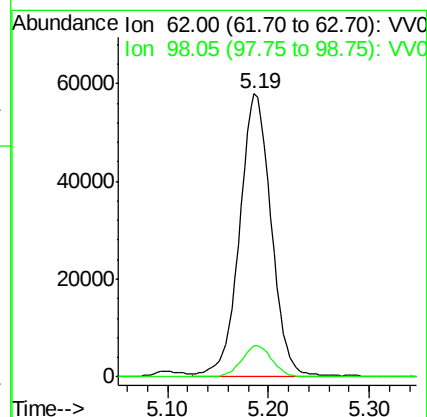
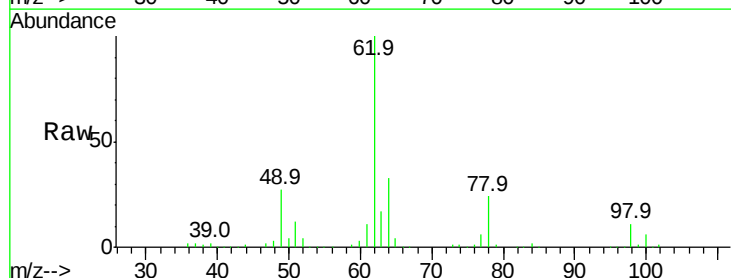
Acq: 18 Jun 2018 10:17

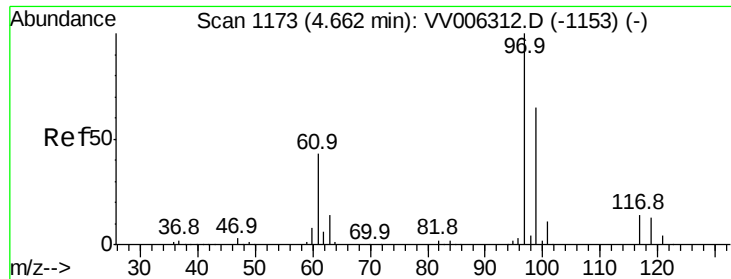
Tgt Ion: 62 Resp: 125029

Ion Ratio Lower Upper

62 100

98 10.9 8.6 12.8

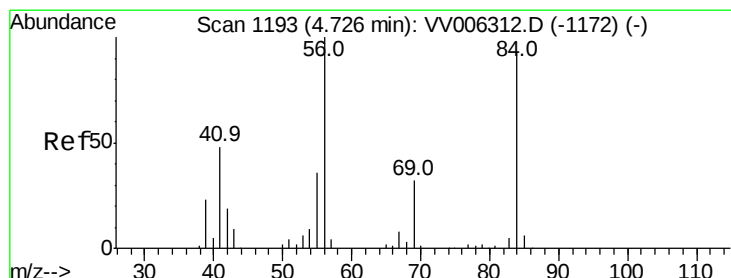
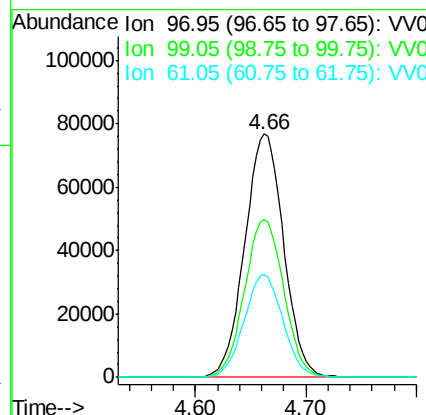
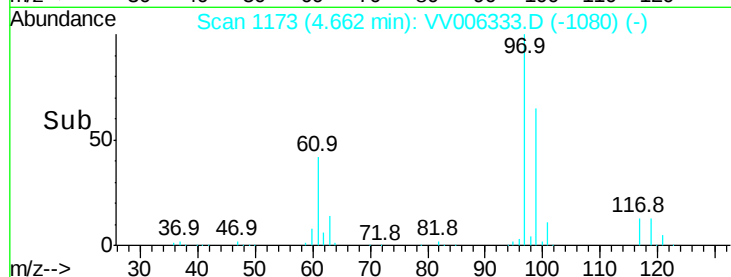
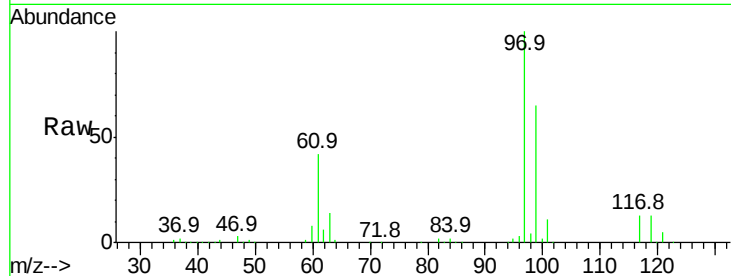




#29
 1,1,1-Trichloroethane
 Concen: 4.738 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

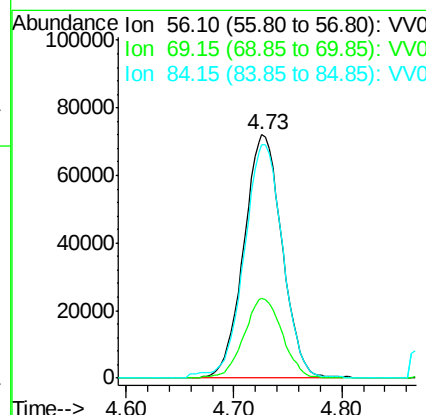
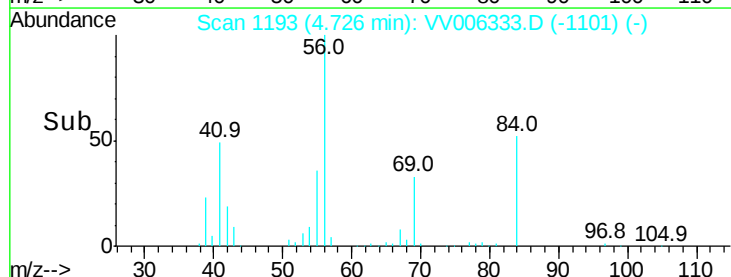
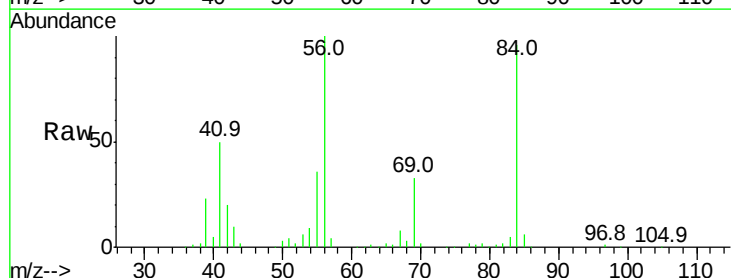
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

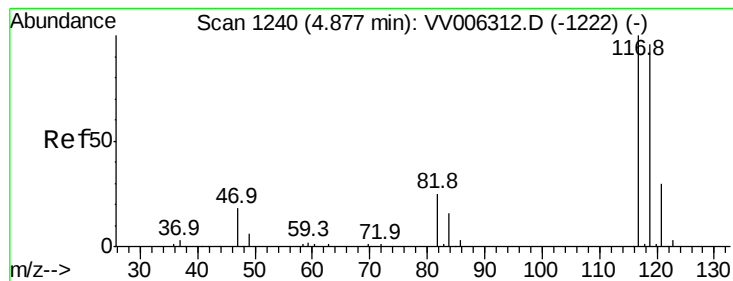
Tgt Ion: 97 Resp: 187964
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.5 77.3
 61 42.1 33.7 50.5



#30
 Cyclohexane
 Concen: 4.343 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

Tgt Ion: 56 Resp: 177171
 Ion Ratio Lower Upper
 56 100
 69 33.0 26.4 39.6
 84 96.4 78.9 118.3





#31

Carbon tetrachloride

Concen: 4.572 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

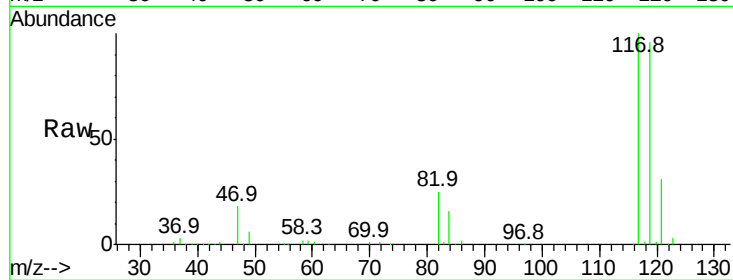
VSTD00570

Tgt Ion:117 Resp: 159981

Ion Ratio Lower Upper

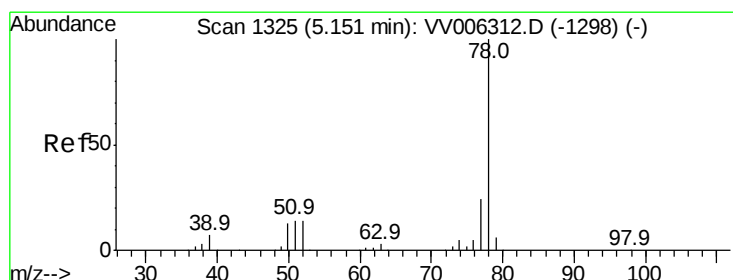
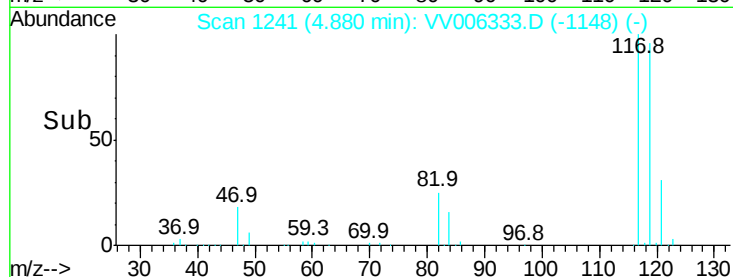
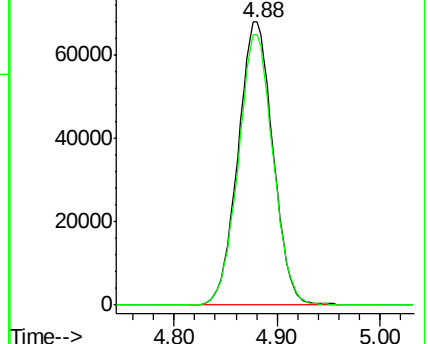
117 100

119 95.3 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.010 ug/L

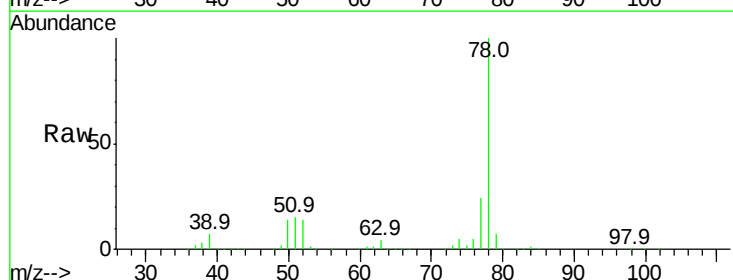
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

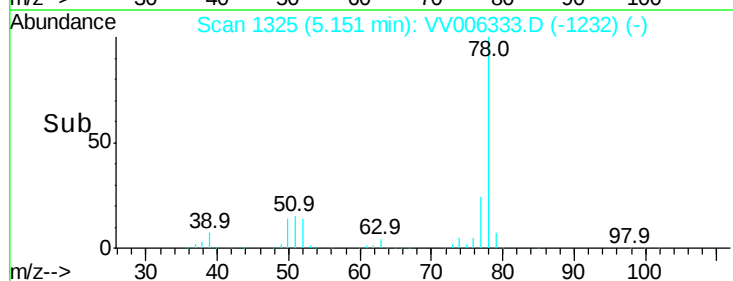
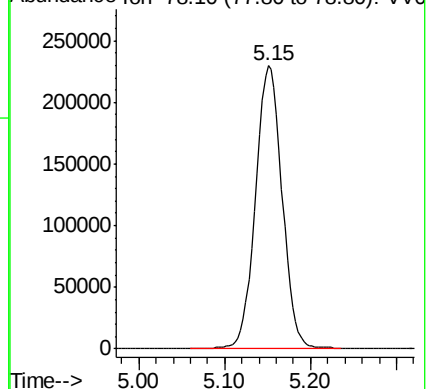
Lab File: VV006333.D

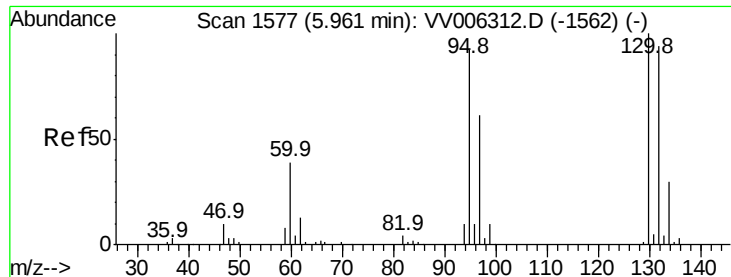
Acq: 18 Jun 2018 10:17

Tgt Ion: 78 Resp: 495990



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.036 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

Tgt Ion: 95 Resp: 136073

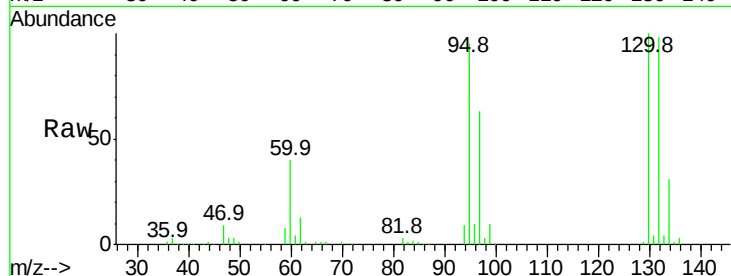
Ion Ratio Lower Upper

95 100

97 66.6 45.1 83.9

132 102.6 69.0 128.1

130 105.2 72.8 135.2

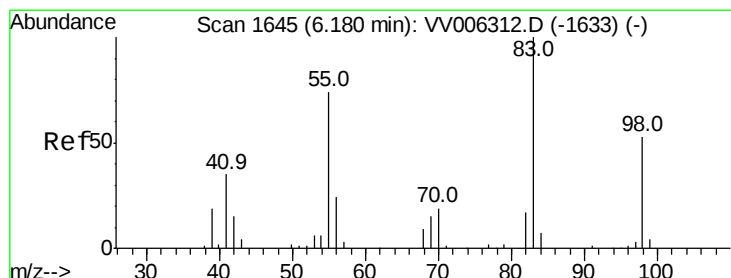
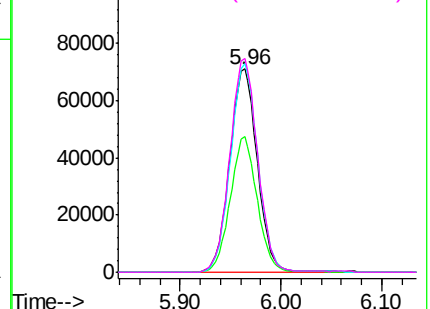
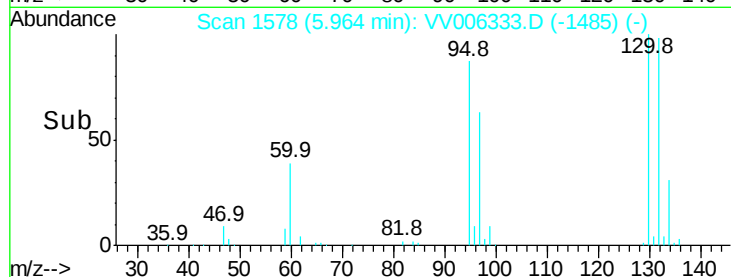


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.491 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

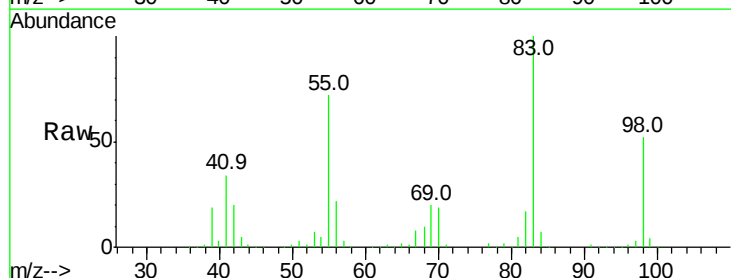
Tgt Ion: 83 Resp: 208578

Ion Ratio Lower Upper

83 100

55 71.6 57.5 86.3

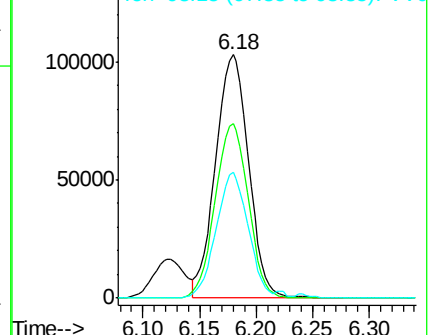
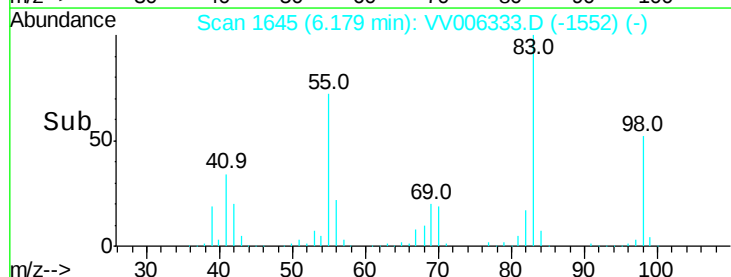
98 50.1 39.8 59.8

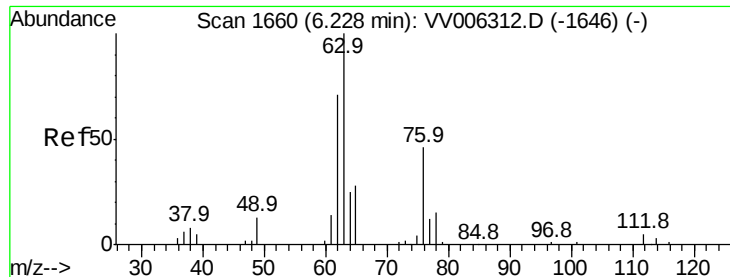


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

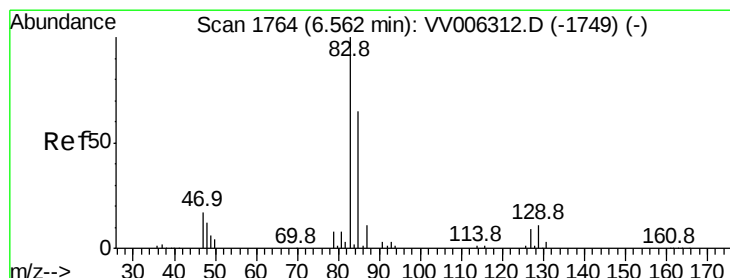
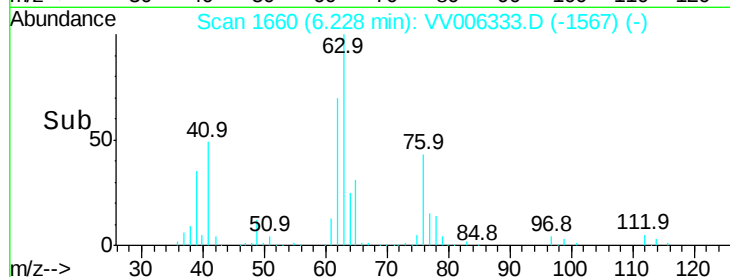
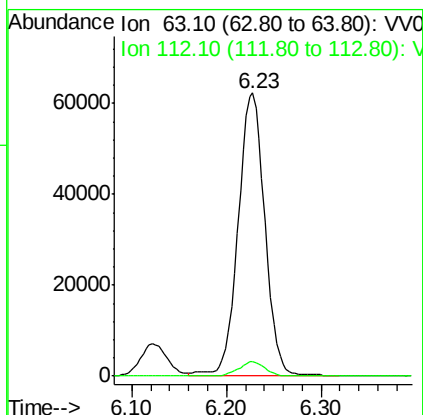
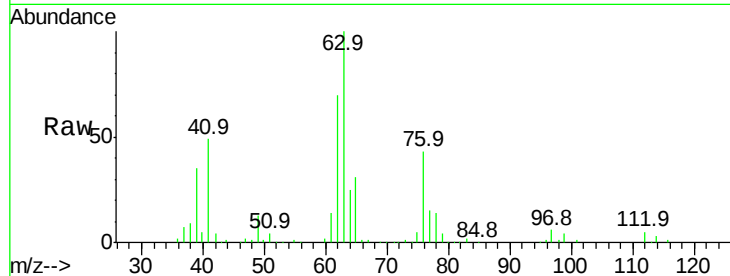




#37
 1,2-Dichloropropane
 Concen: 5.169 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

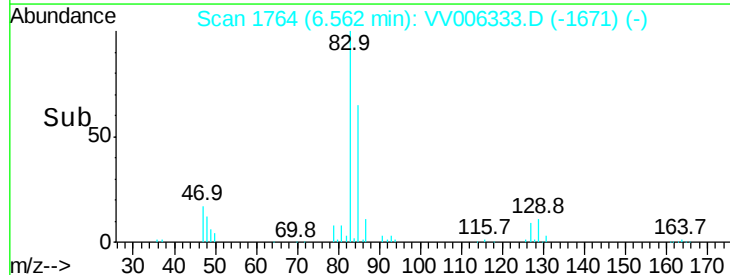
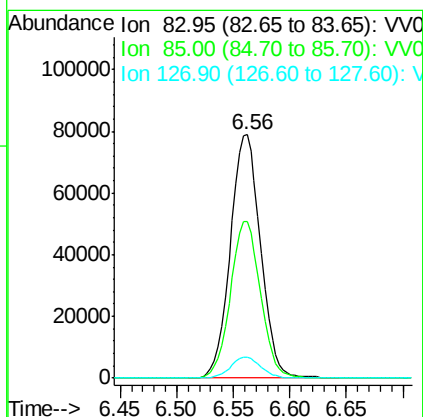
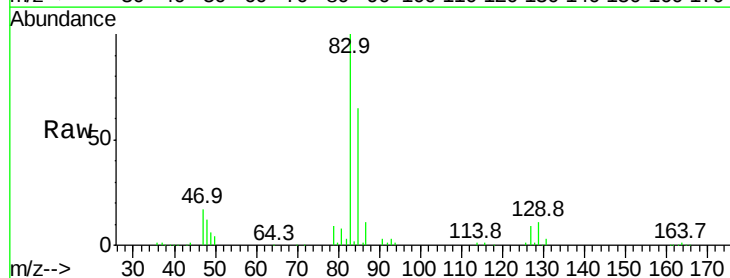
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

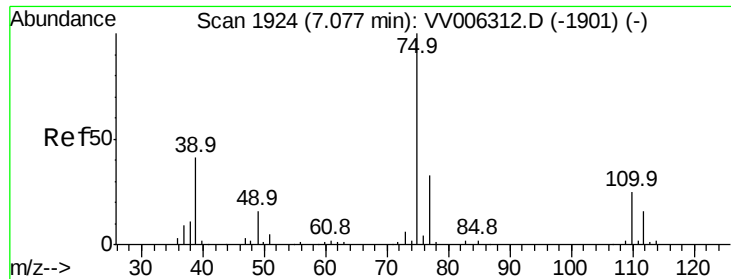
Tgt Ion: 63 Resp: 122594
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.650 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

Tgt Ion: 83 Resp: 146861
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.9 83.5
 127 8.8 7.0 10.4

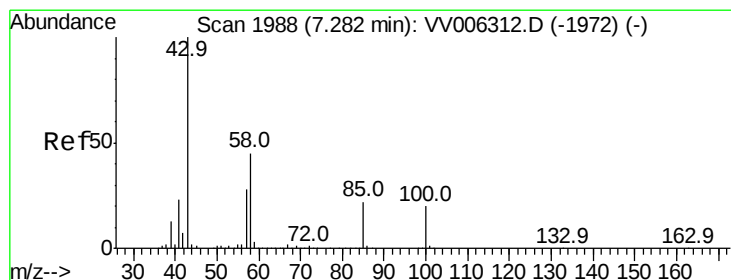
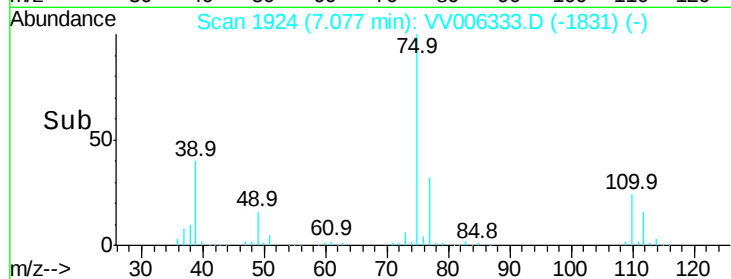
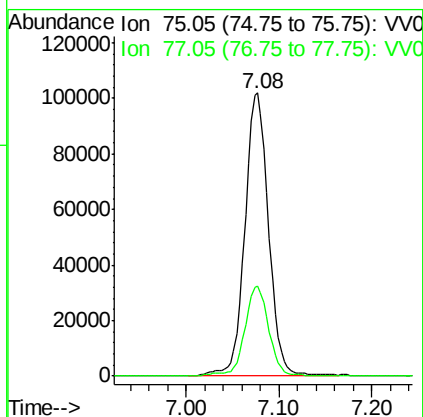
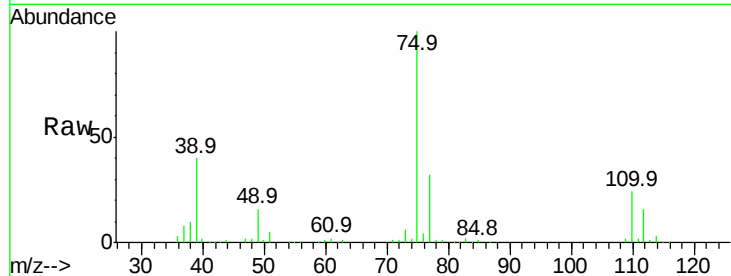




#39
 cis-1,3-Dichloropropene
 Concen: 4.685 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

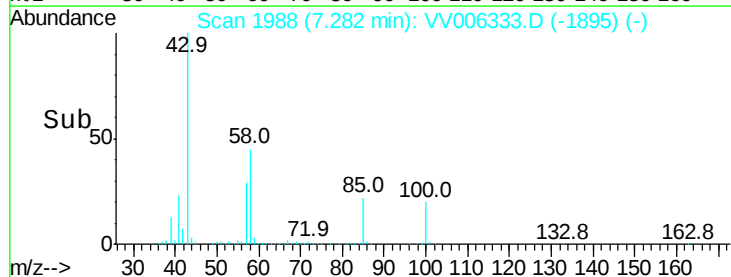
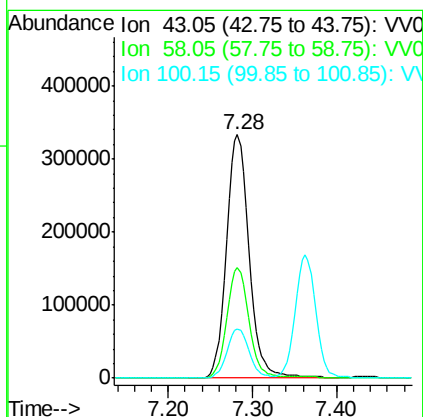
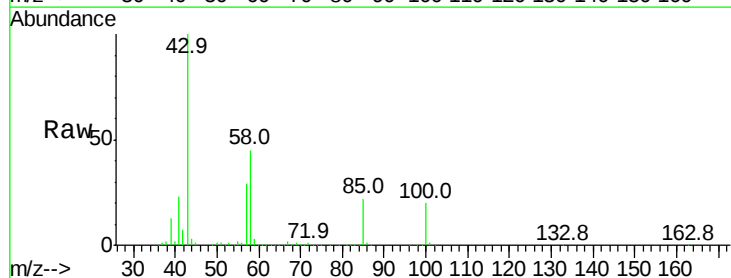
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

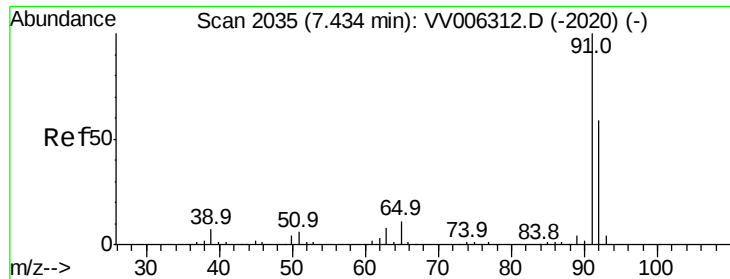
Tgt Ion: 75 Resp: 181118
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 50.771 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

Tgt Ion: 43 Resp: 622803
 Ion Ratio Lower Upper
 43 100
 58 44.1 36.0 54.0
 100 19.7 15.4 23.2





#42

Toluene

Concen: 4.937 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

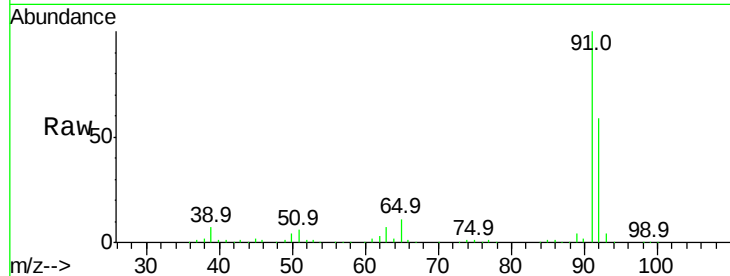
VSTD00570

Tgt Ion: 91 Resp: 539508

Ion Ratio Lower Upper

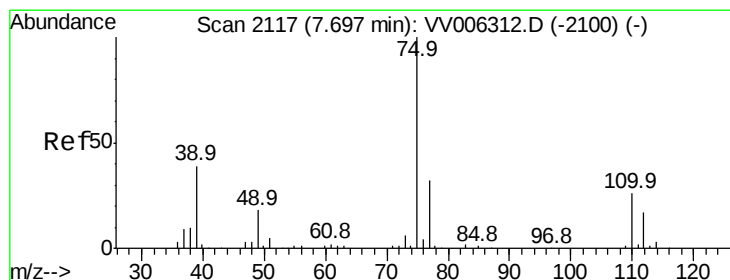
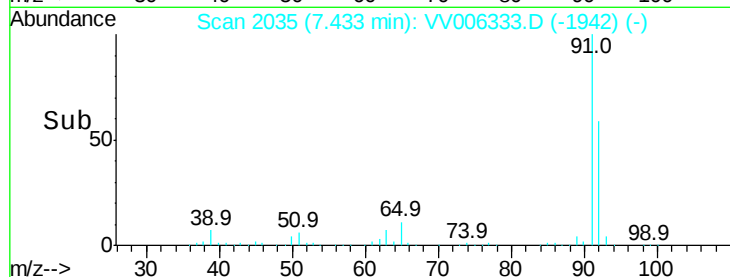
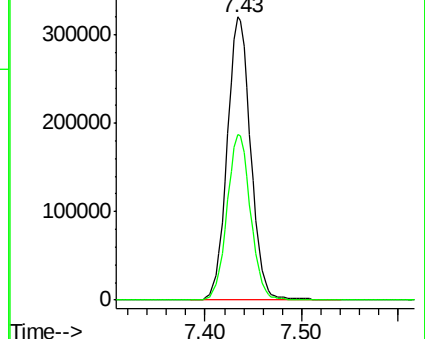
91 100

92 58.5 41.1 76.3



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: 4.563 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006333.D

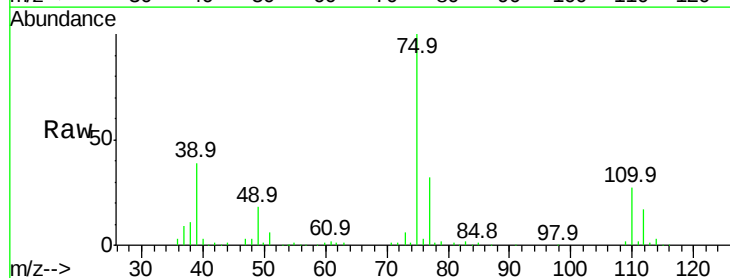
Acq: 18 Jun 2018 10:17

Tgt Ion: 75 Resp: 143074

Ion Ratio Lower Upper

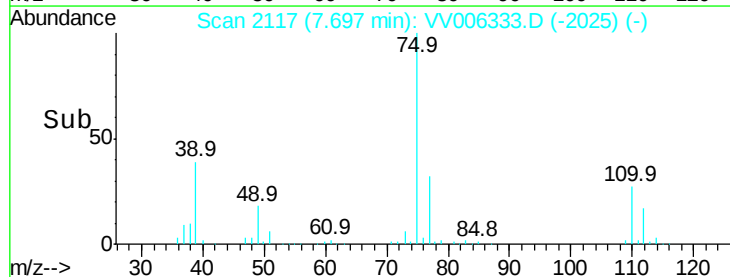
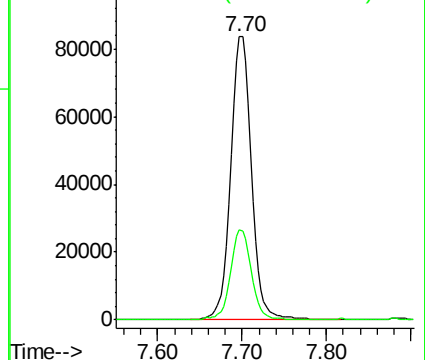
75 100

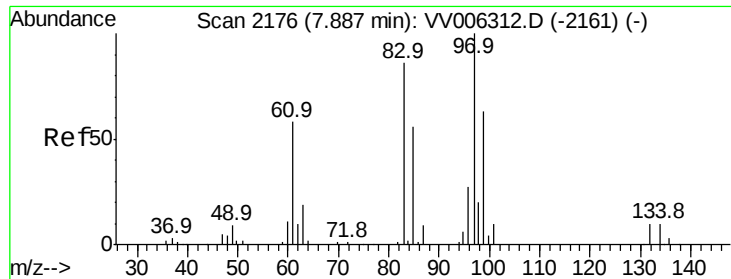
77 32.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

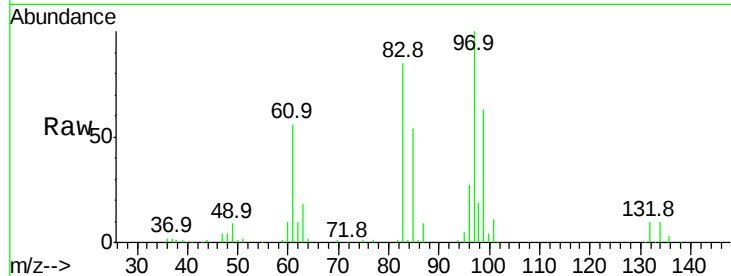




#45
1,1,2-Trichloroethane
Concen: 5.192 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion:	97	Resp:	87147
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.3
83	84.7	58.2	108.2
85	54.3	39.3	73.1

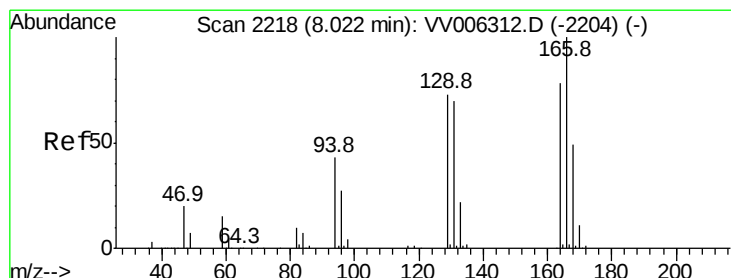
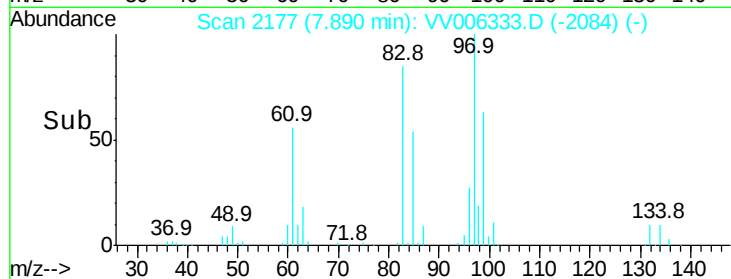
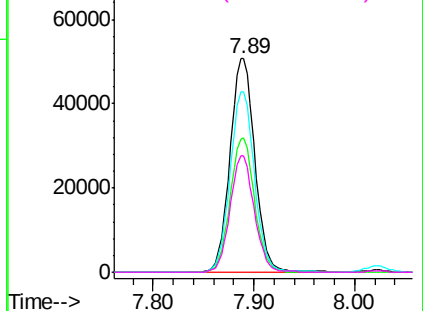


Abundance Ion 96.95 (96.65 to 97.65): VV006333.D (-2176) (-)

Ion 99.05 (98.75 to 99.75): VV006333.D (-2176) (-)

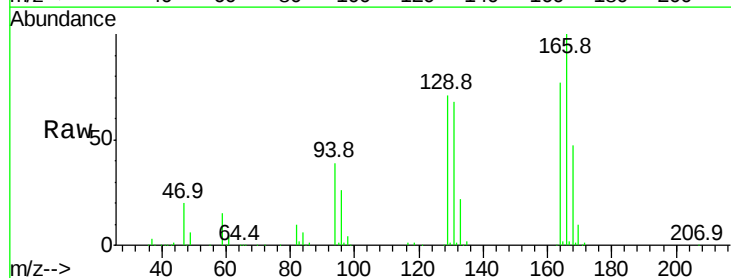
Ion 82.95 (82.65 to 83.65): VV006333.D (-2176) (-)

Ion 85.00 (84.70 to 85.70): VV006333.D (-2176) (-)



#47
Tetrachloroethene
Concen: 5.013 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion:	164	Resp:	108416
Ion	Ratio	Lower	Upper
164	100		
129	91.6	62.7	116.5
131	88.5	61.0	113.2
166	129.3	89.5	166.3

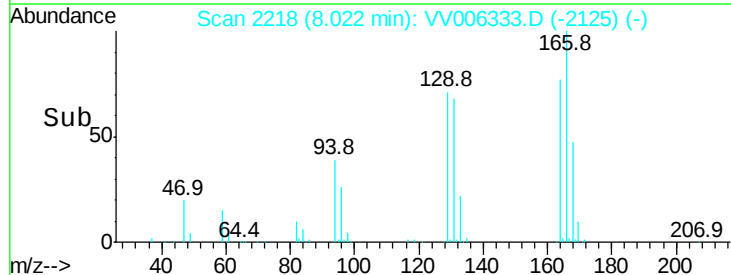
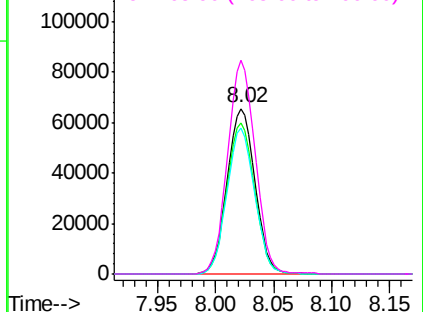


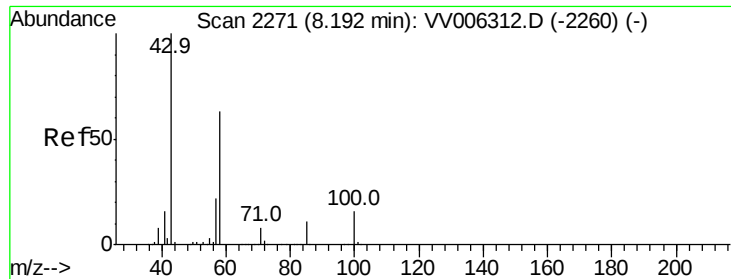
Abundance Ion 163.90 (163.60 to 164.60): VV006333.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VV006333.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VV006333.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VV006333.D (-2218) (-)

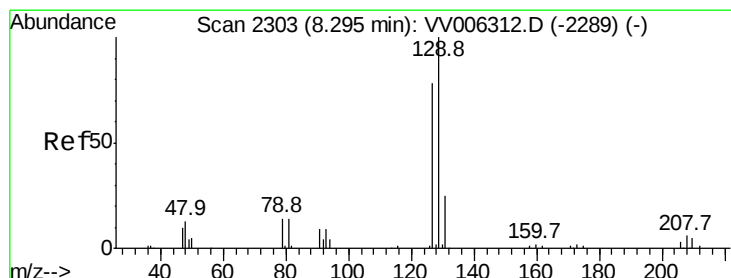
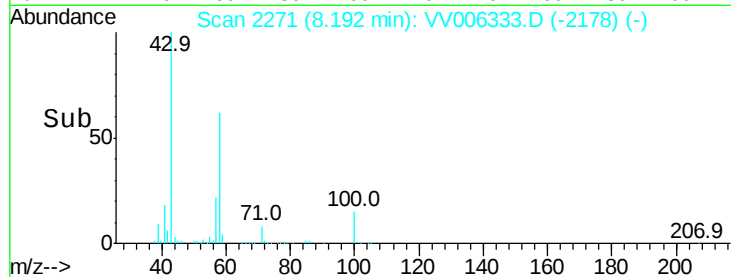
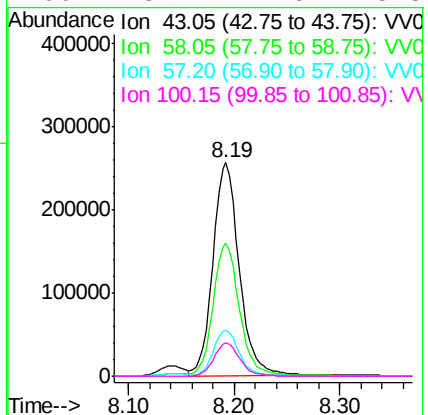
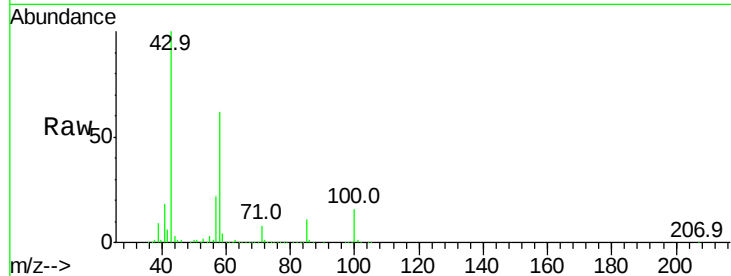




#48
2-Hexanone
Concen: 51.425 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

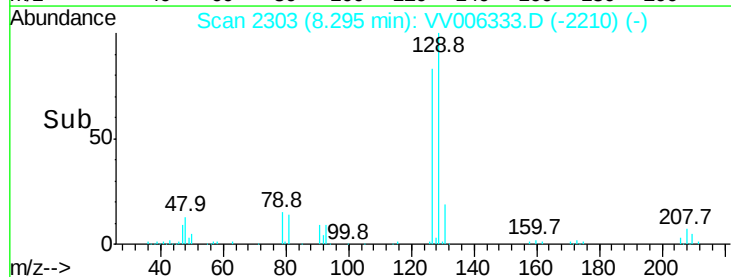
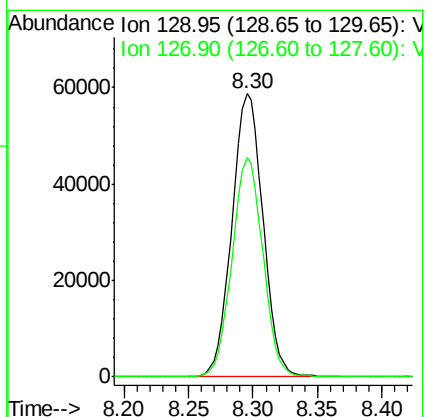
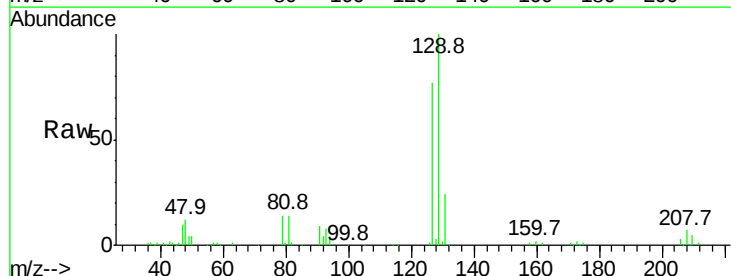
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

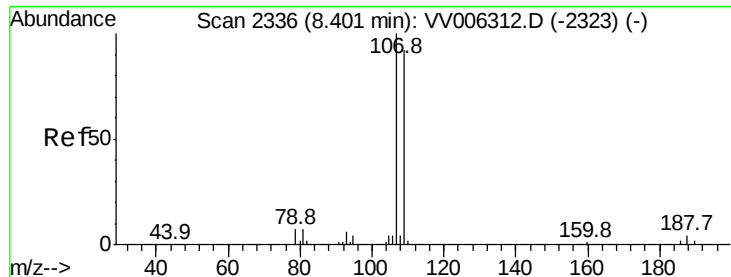
Tgt Ion: 43 Resp: 443349
Ion Ratio Lower Upper
43 100
58 62.4 48.6 72.8
57 21.8 17.5 26.3
100 15.7 12.6 18.8



#49
Dibromochloromethane
Concen: 4.659 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion: 129 Resp: 98464
Ion Ratio Lower Upper
129 100
127 77.3 55.2 102.4

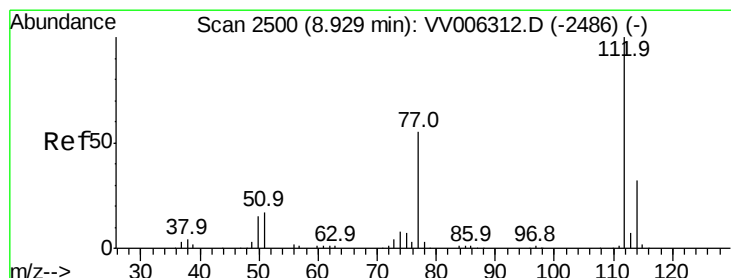
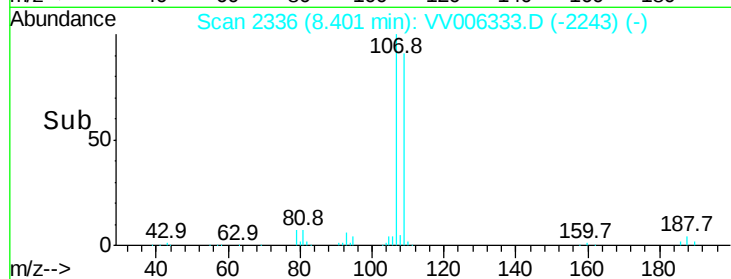
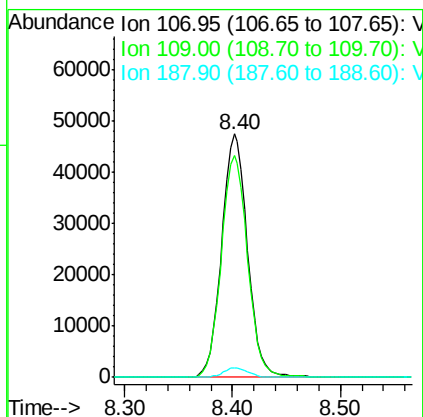
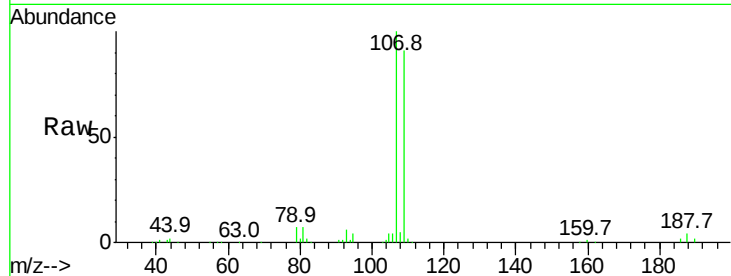




#50
1,2-Dibromoethane
Concen: 5.052 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

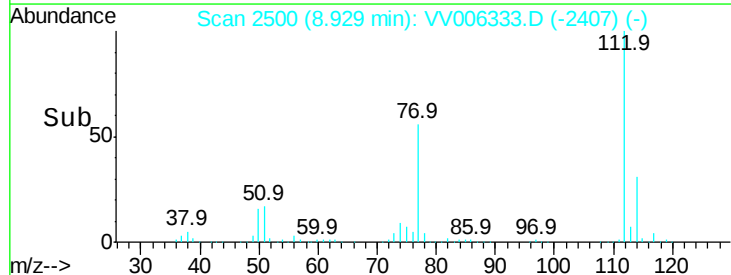
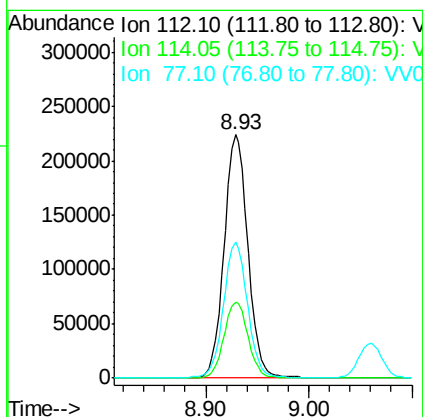
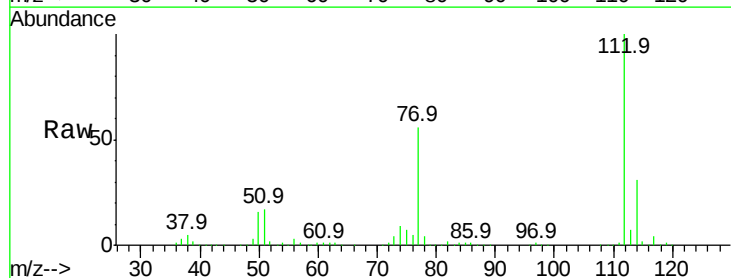
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

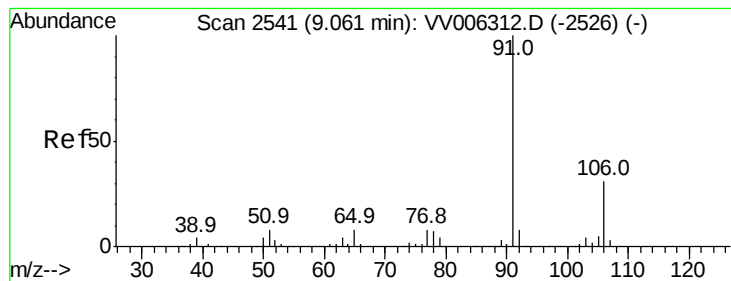
Tgt Ion:107 Resp: 79018
Ion Ratio Lower Upper
107 100
109 91.2 66.8 124.2
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 5.128 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion:112 Resp: 359759
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 55.8 45.2 67.8





#52

Ethylbenzene

Concen: 4.930 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

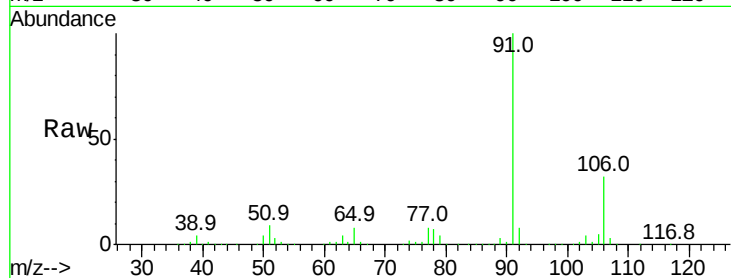
VSTD00570

Tgt Ion: 91 Resp: 600190

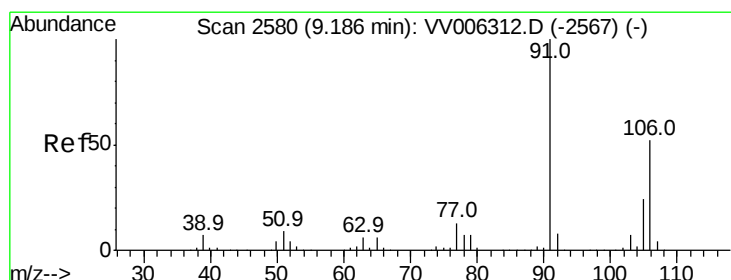
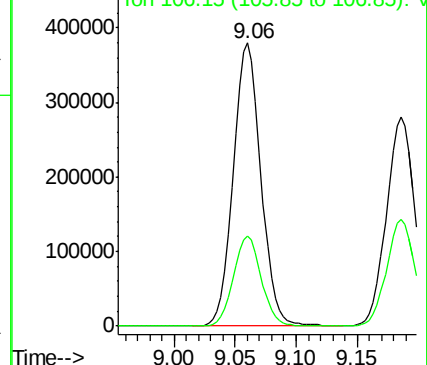
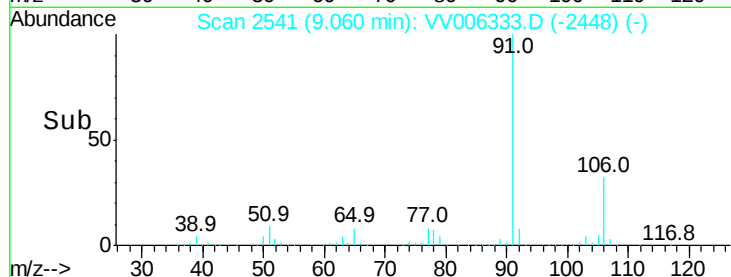
Ion Ratio Lower Upper

91 100

106 31.9 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006333.D (-2448) (-)



#53

m,p-xylene

Concen: 4.930 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006333.D

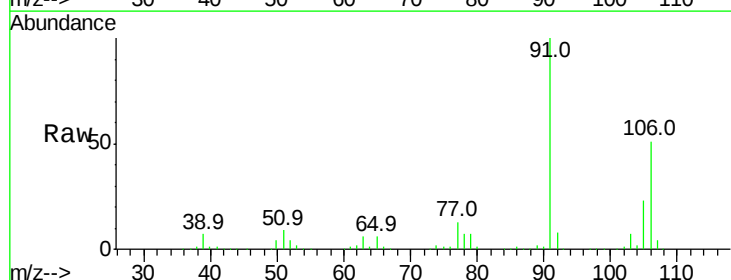
Acq: 18 Jun 2018 10:17

Tgt Ion: 106 Resp: 234173

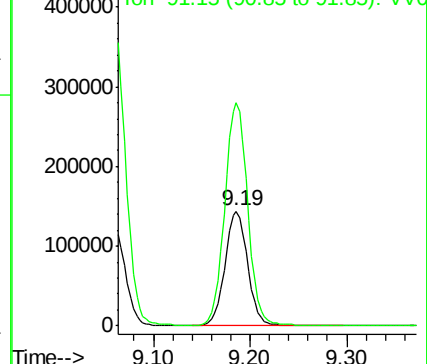
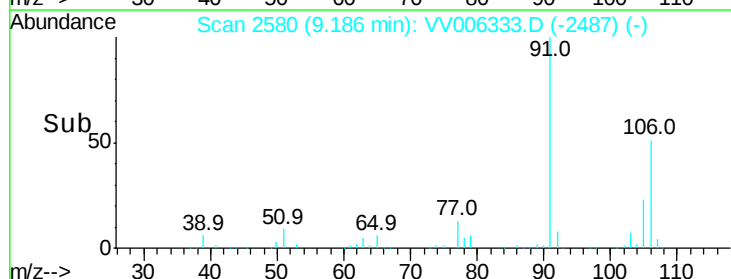
Ion Ratio Lower Upper

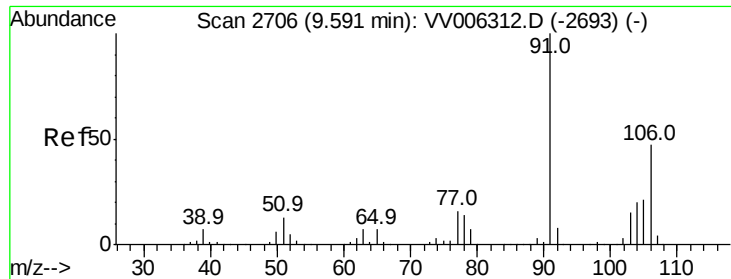
106 100

91 195.3 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006333.D (-2487) (-)

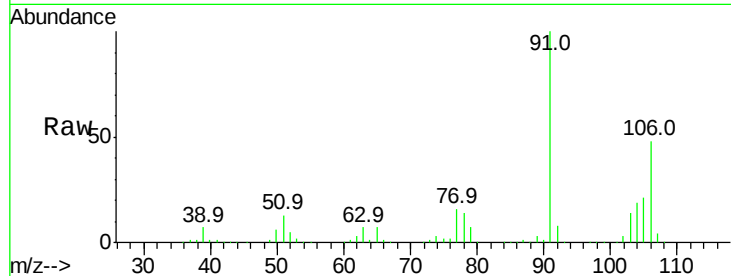




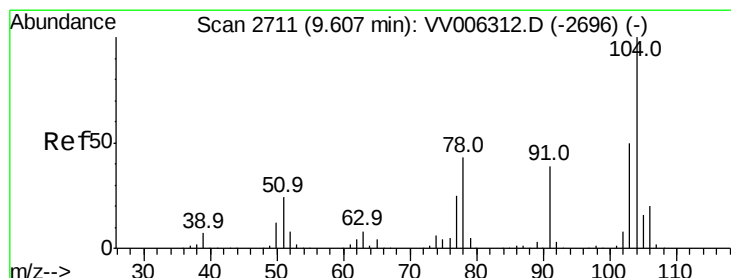
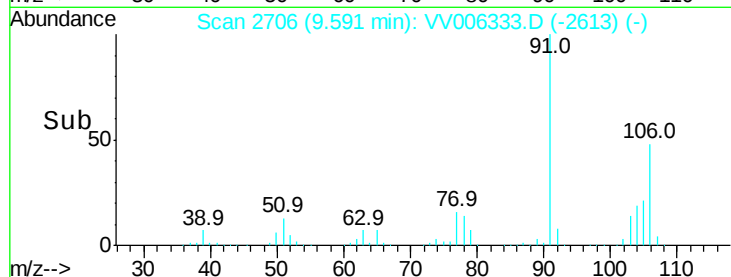
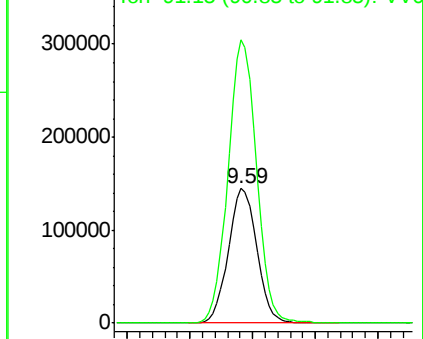
#54
o-xylene
Concen: 4.940 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion:106 Resp: 229447
Ion Ratio Lower Upper
106 100
91 209.9 147.9 274.7

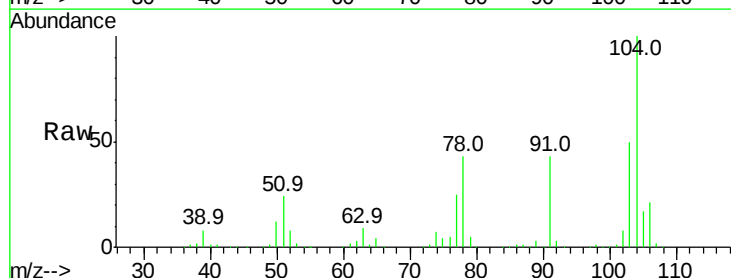


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

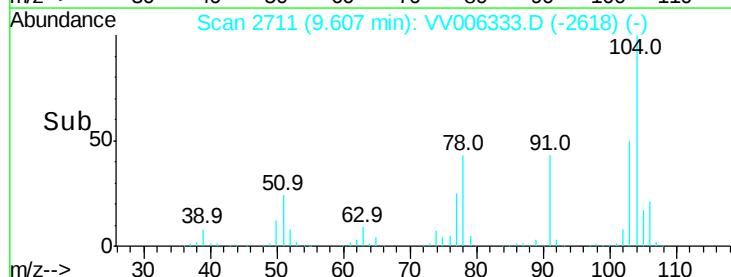
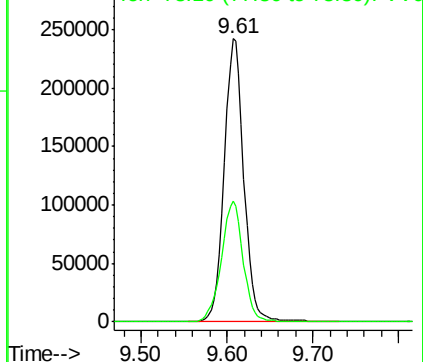


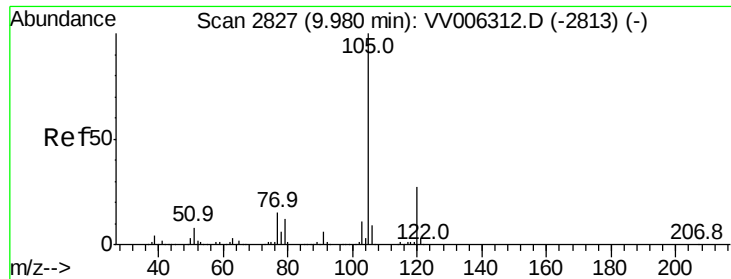
#55
Styrene
Concen: 5.038 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV006333.D
Acq: 18 Jun 2018 10:17

Tgt Ion:104 Resp: 384906
Ion Ratio Lower Upper
104 100
78 42.8 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.006 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampled :

VSTD00570

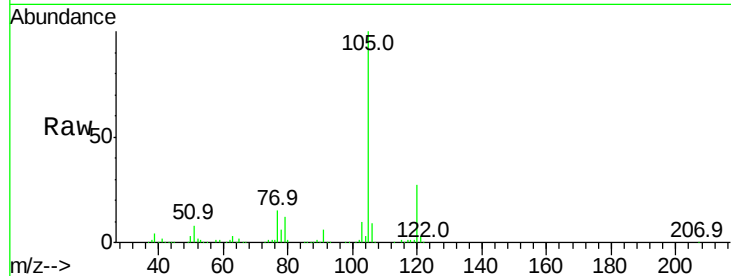
Tgt Ion:105 Resp: 612296

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

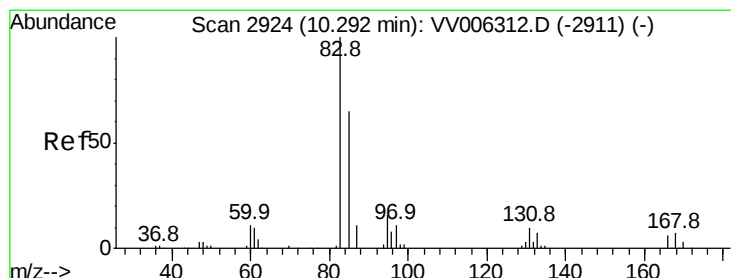
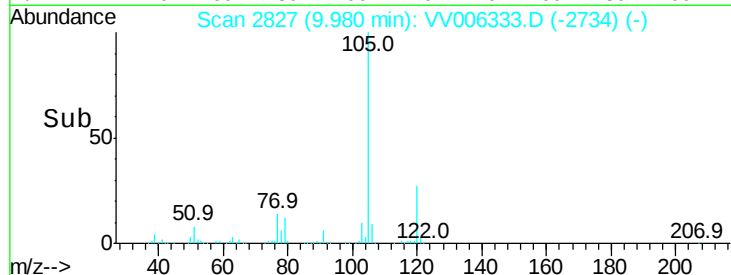
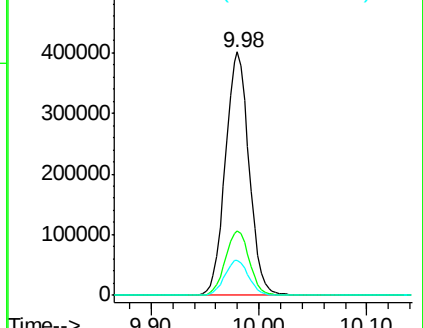
77 14.7 11.9 17.9



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: 4.593 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

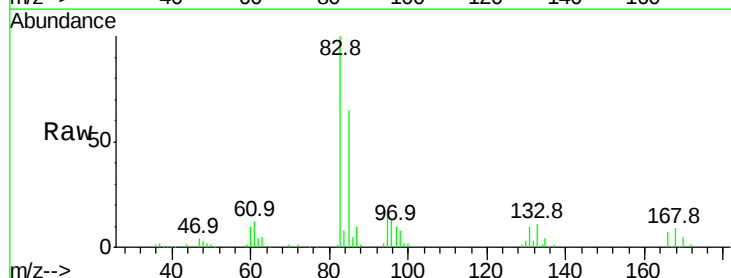
Tgt Ion: 83 Resp: 88312

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

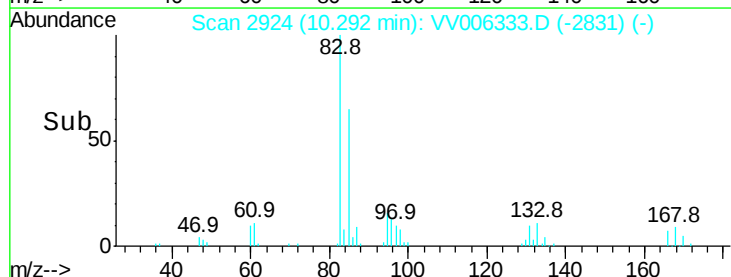
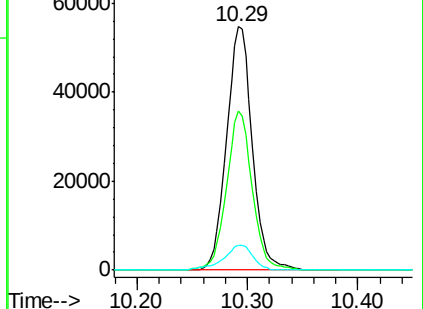
131 10.2 8.3 12.5

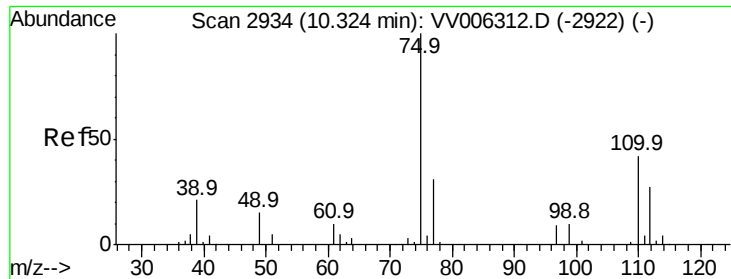


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.172 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

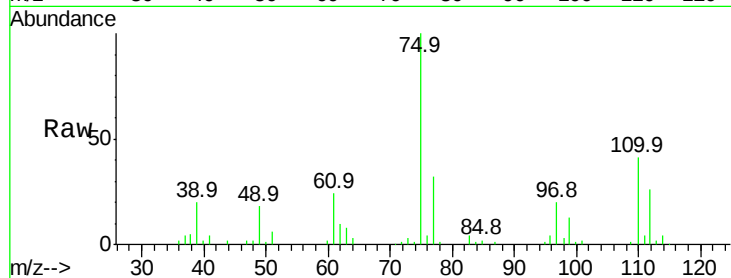
VSTD00570

Tgt Ion: 75 Resp: 69107

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV006333.D (-2841) (-)

Ion 77.00 (76.70 to 77.70): VV006333.D (-2841) (-)

10.33

40000

30000

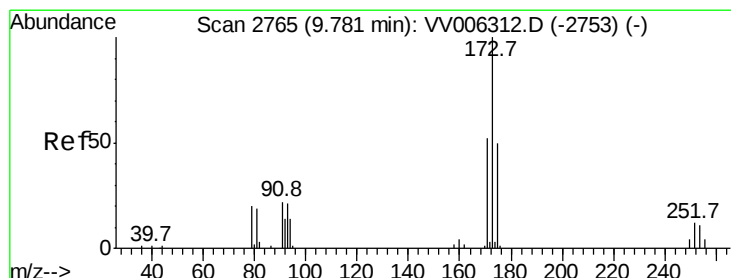
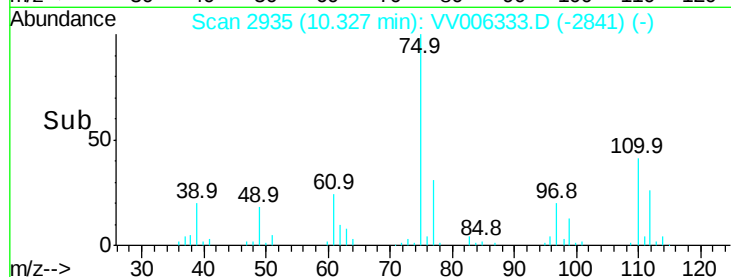
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.219 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

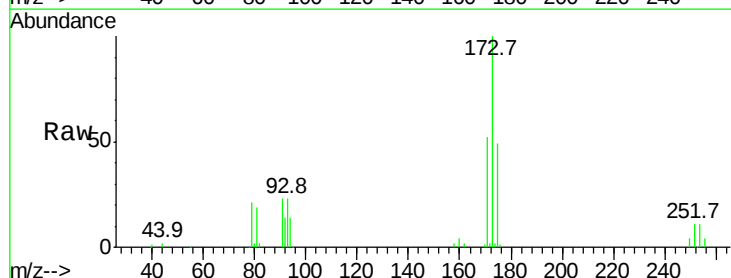
Tgt Ion: 173 Resp: 50321

Ion Ratio Lower Upper

173 100

175 49.3 39.3 58.9

254 11.0 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): VV006333.D (-2673) (-)

Ion 174.90 (174.60 to 175.60): VV006333.D (-2673) (-)

Ion 253.75 (253.45 to 254.45): VV006333.D (-2673) (-)

9.78

40000

30000

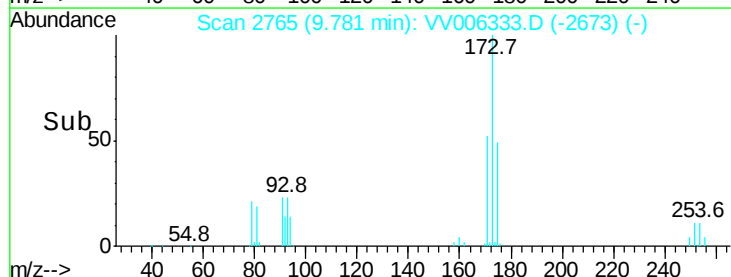
20000

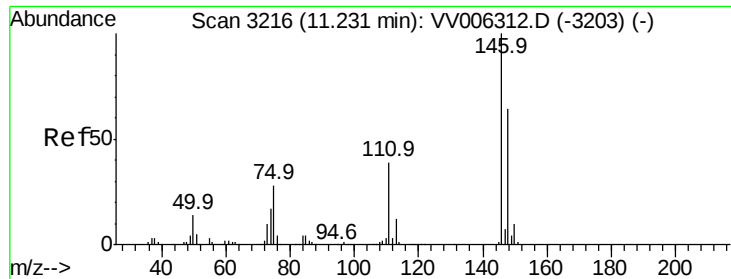
10000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.085 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

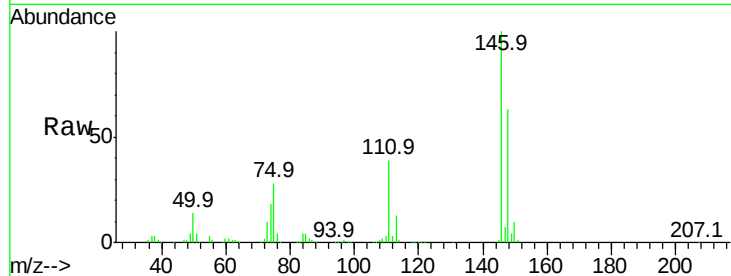
Tgt Ion:146 Resp: 281626

Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.2

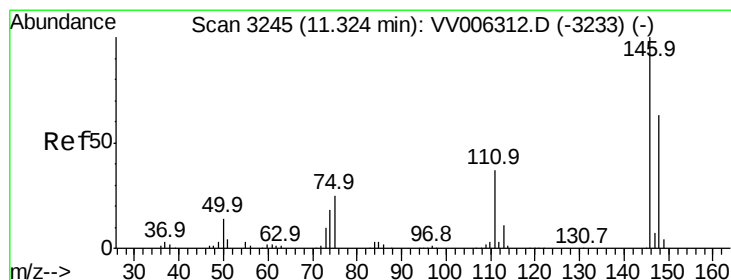
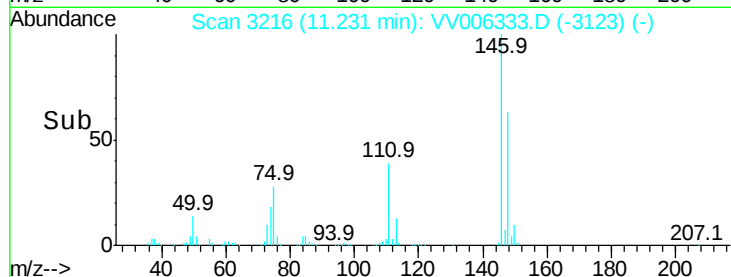
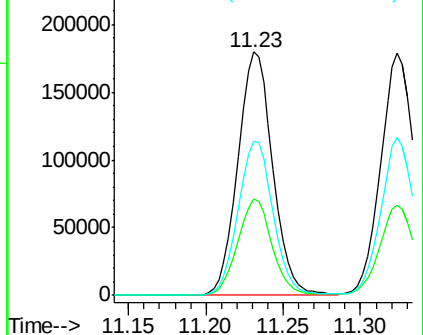
148 63.5 45.1 83.7



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



#63

1,4-Dichlorobenzene

Concen: 5.096 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

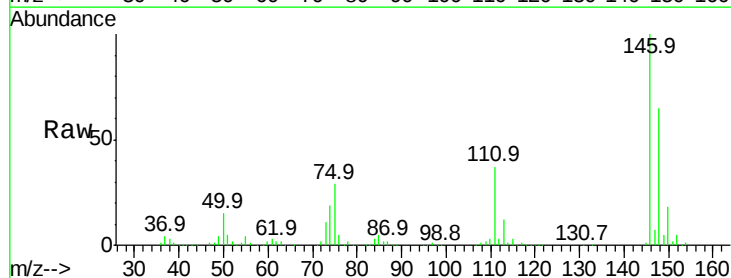
Tgt Ion:146 Resp: 279182

Ion Ratio Lower Upper

146 100

111 37.4 26.9 50.1

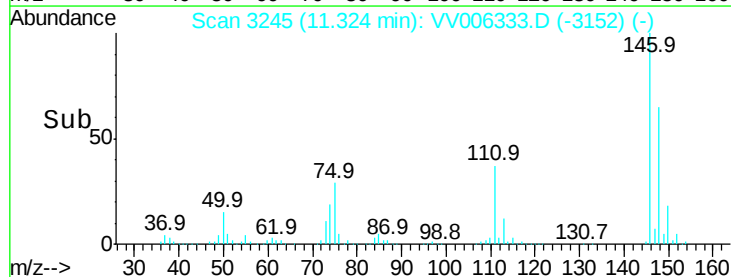
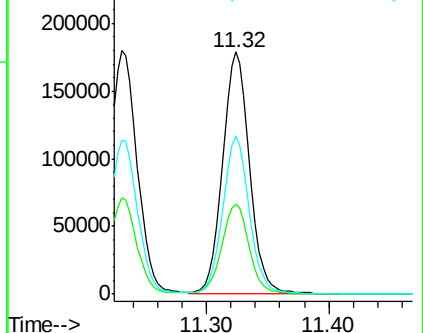
148 65.0 44.8 83.2

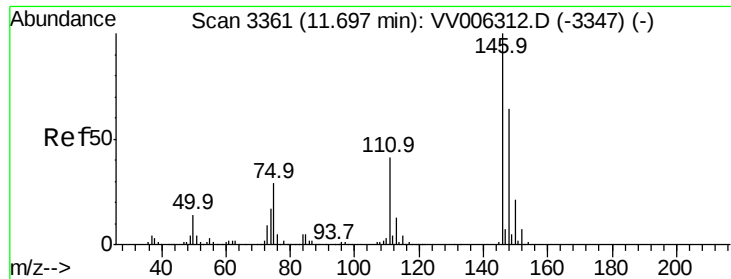


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.168 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampled :

VSTD00570

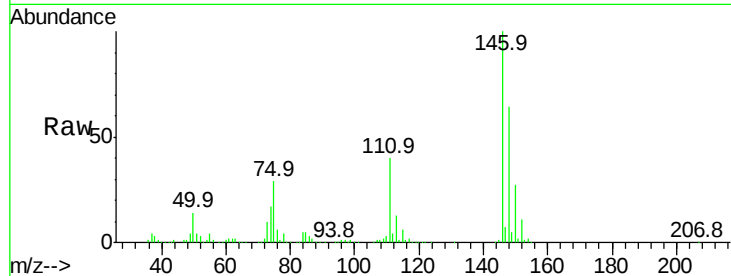
Tgt Ion:146 Resp: 264058

Ion Ratio Lower Upper

146 100

111 40.4 32.8 49.2

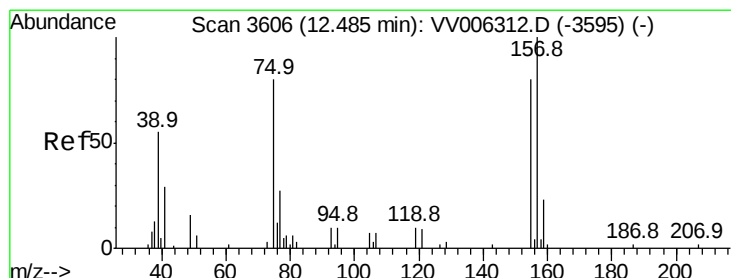
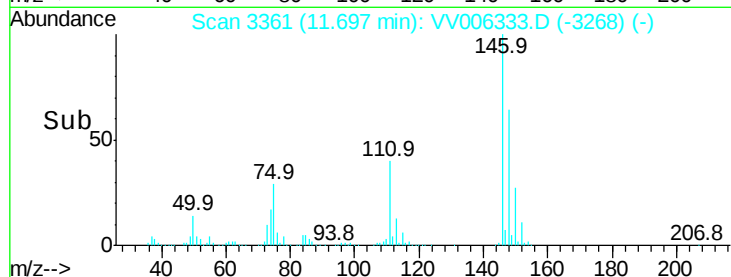
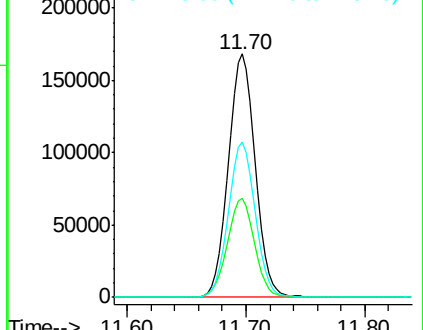
148 63.7 51.4 77.2



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: 3.878 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

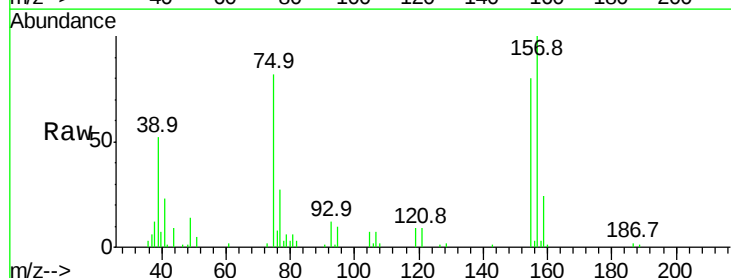
Tgt Ion: 75 Resp: 13023

Ion Ratio Lower Upper

75 100

155 97.1 70.3 105.5

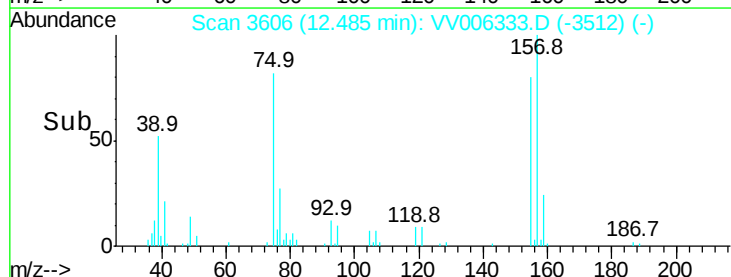
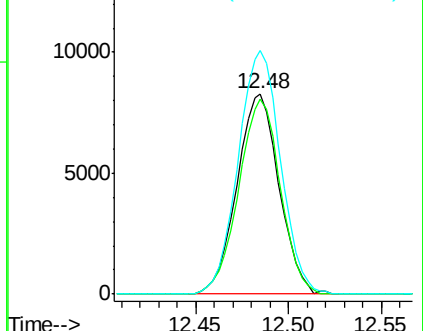
157 121.6 93.8 140.6

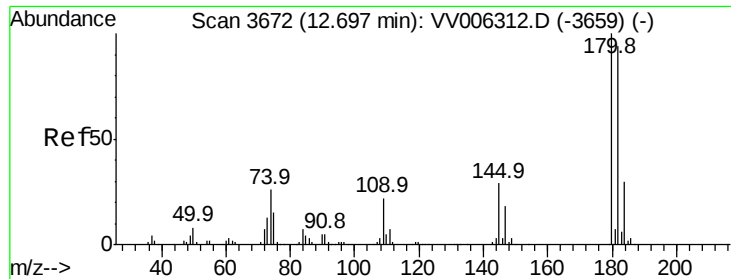


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

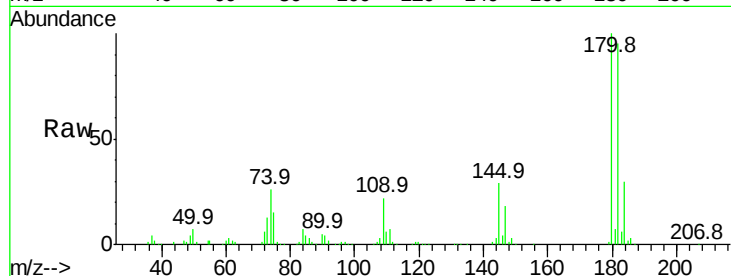




#67
 1,3,5-Trichlorobenzene
 Concen: 5.311 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion:	180	Resp:	226383
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.4	113.2
184	30.0	24.3	36.5
145	28.3	23.1	34.7

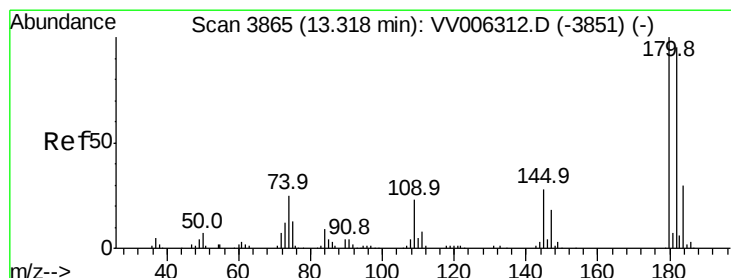
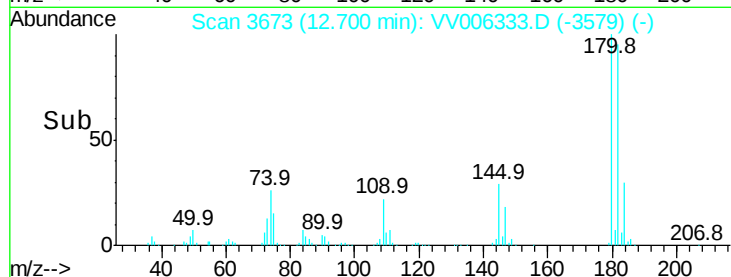
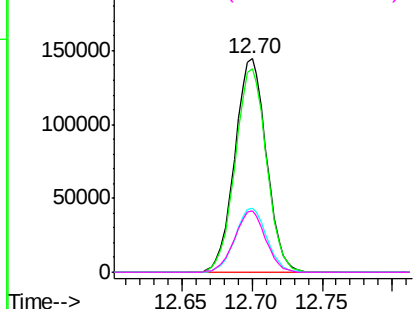


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

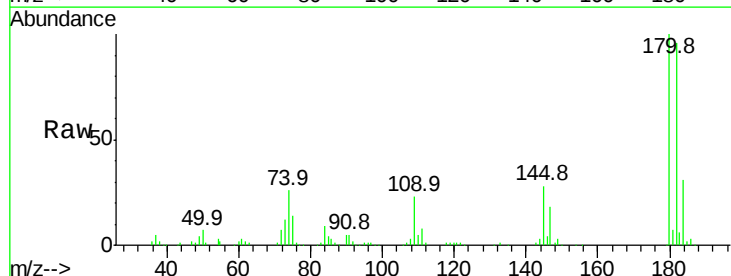
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.240 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006333.D
 Acq: 18 Jun 2018 10:17

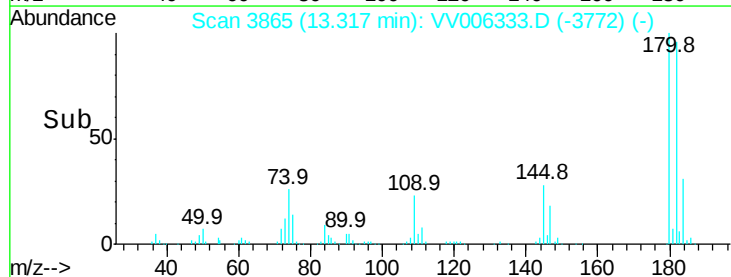
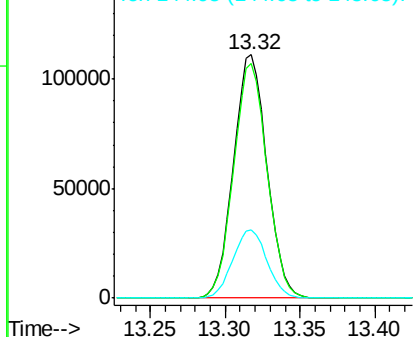
Tgt Ion:	180	Resp:	172708
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.7	115.1
145	28.8	23.7	35.5

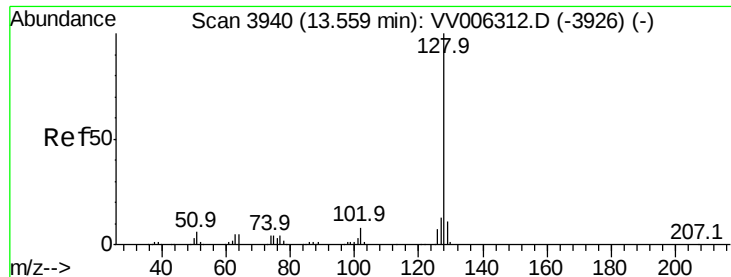


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.708 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

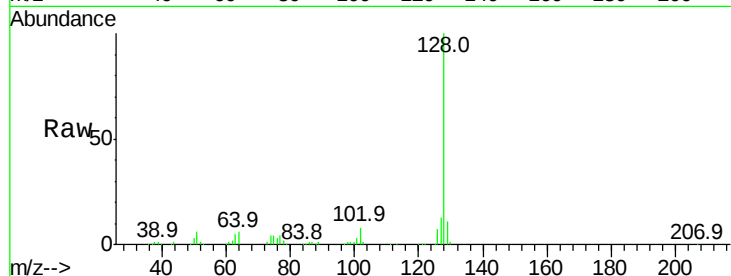
Tgt Ion:128 Resp: 261097

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

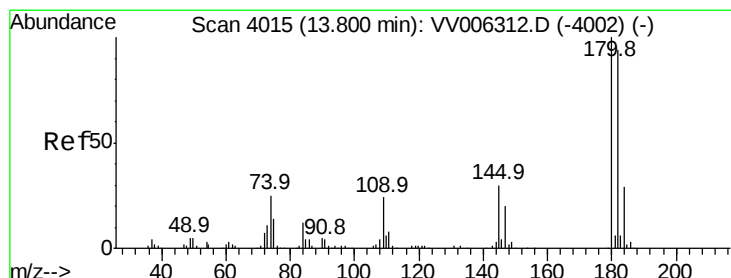
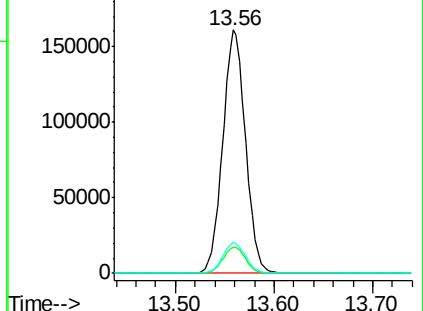
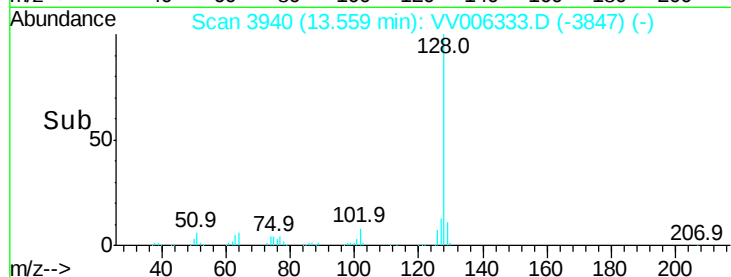
127 12.6 10.1 15.1



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: 5.200 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006333.D

Acq: 18 Jun 2018 10:17

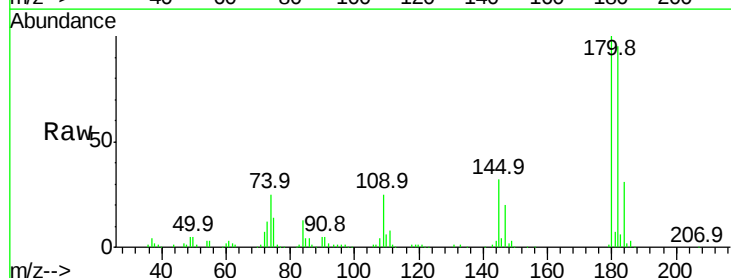
Tgt Ion:180 Resp: 157451

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 31.3 25.0 37.4



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

