

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
 Data File : VV006595.D
 Acq On : 12 Jul 2018 19:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Quant Time: Jul 13 01:48:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 01:47:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	311679	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	282755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135703	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114223	6.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	134.80%#
7) Chloroethane-d5	1.58	69	78926	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	188951	5.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.80%
20) 2-Butanone-d5	3.95	46	202076	46.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.90%
24) Chloroform-d	4.41	84	186068	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.09	65	83737	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.10	84	398172	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.40%
36) 1,2-Dichloropropane-d6	6.12	67	117284	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.37	98	373330	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.60%
43) trans-1,3-Dichloropropene-	7.67	79	39261	5.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.60%
46) 2-Hexanone-d5	8.14	63	179101	49.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82673	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	129724	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	86850	3.553 ug/L	100
3) Chloromethane	1.26	50	127722	4.272 ug/L	97
5) Vinyl chloride	1.32	62	131385	4.735 ug/L	100
6) Bromomethane	1.53	94	45253	3.519 ug/L	100
8) Chloroethane	1.60	64	77877	4.624 ug/L	98
9) Trichlorofluoromethane	1.77	101	154963	4.963 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99944	5.182 ug/L	99
12) 1,1-Dichloroethene	2.14	96	95494	4.893 ug/L	97
13) Acetone	2.20	43	118470	43.520 ug/L	98
14) Carbon disulfide	2.32	76	254713	4.364 ug/L	100
15) Methyl Acetate	2.47	43	35539	4.435 ug/L	98
16) Methylene chloride	2.54	84	107665	4.893 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	223901	4.844 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	104860	4.925 ug/L	96
19) 1,1-Dichloroethane	3.23	63	182108	4.929 ug/L	99
21) 2-Butanone	4.04	43	205430	45.994 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	113070	4.943 ug/L	99

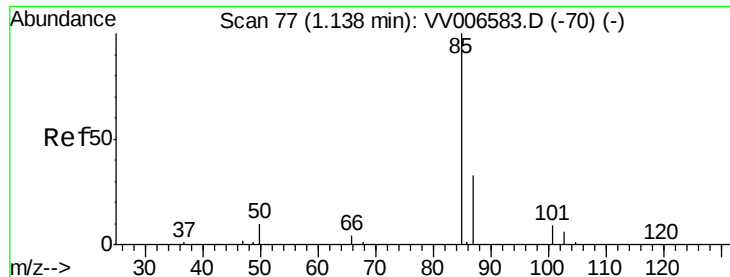
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46164	4.927	ug/L	98
25) Chloroform	4.44	83	181845	4.948	ug/L	99
27) 1,2-Dichloroethane	5.19	62	99557	4.770	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	147344	4.974	ug/L	99
30) Cyclohexane	4.73	56	152413	4.835	ug/L	98
31) Carbon tetrachloride	4.88	117	121607	4.907	ug/L	97
33) Benzene	5.15	78	427150	5.061	ug/L	100
34) Trichloroethene	5.96	95	111048	5.130	ug/L	98
35) Methylcyclohexane	6.18	83	175815	5.044	ug/L	97
37) 1,2-Dichloropropane	6.23	63	102913	4.986	ug/L	99
38) Bromodichloromethane	6.56	83	111194	4.777	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	136872	4.940	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	488265	46.667	ug/L	98
42) Toluene	7.44	91	444439	5.063	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	104927	4.906	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	71827	4.973	ug/L	99
47) Tetrachloroethene	8.02	164	90602	5.090	ug/L	98
48) 2-Hexanone	8.19	43	342035	46.104	ug/L	98
49) Dibromochloromethane	8.30	129	72265	4.798	ug/L	97
50) 1,2-Dibromoethane	8.40	107	64877	4.934	ug/L	99
51) Chlorobenzene	8.93	112	291139	5.070	ug/L	99
52) Ethylbenzene	9.06	91	470095	5.040	ug/L	99
53) m,p-xylene	9.19	106	183999	5.121	ug/L	99
54) o-xylene	9.59	106	180422	5.130	ug/L	100
55) Styrene	9.61	104	306943	5.190	ug/L	99
56) Isopropylbenzene	9.98	105	465924	5.165	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	81282	4.770	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	59586	4.851	ug/L	99
61) Bromoform	9.78	173	35822	4.608	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	214099	5.002	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	217858	5.007	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	206711	5.000	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9611	4.350	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	172154	5.077	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	133192	4.937	ug/L	100
69) Naphthalene	13.56	128	212001	4.628	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	124631	4.928	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.553 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

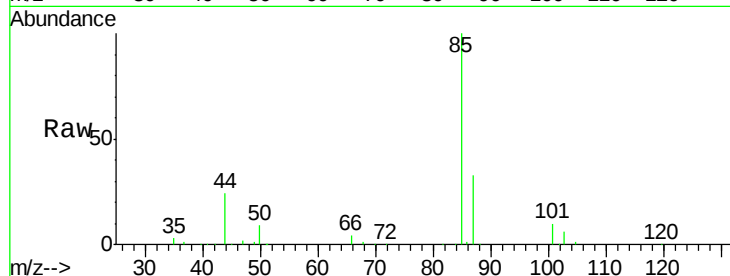
VSTD00572

Tgt Ion: 85 Resp: 86850

Ion Ratio Lower Upper

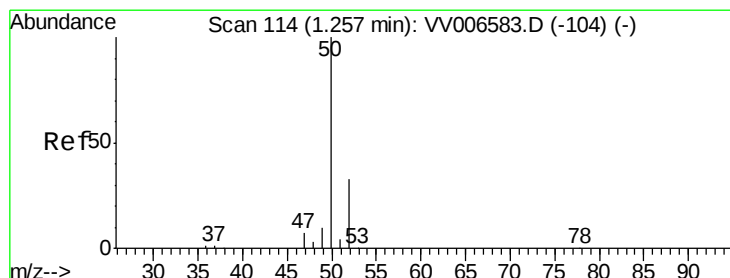
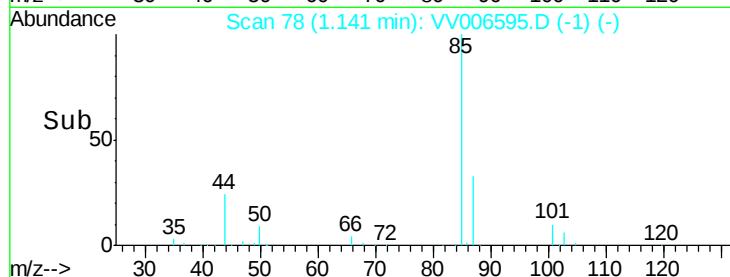
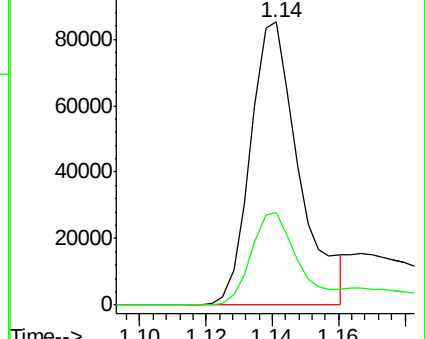
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV006583.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006583.D (-70) (-)



#3

Chloromethane

Concen: 4.272 ug/L

RT: 1.26 min Scan# 116

Delta R.T. 0.01 min

Lab File: VV006595.D

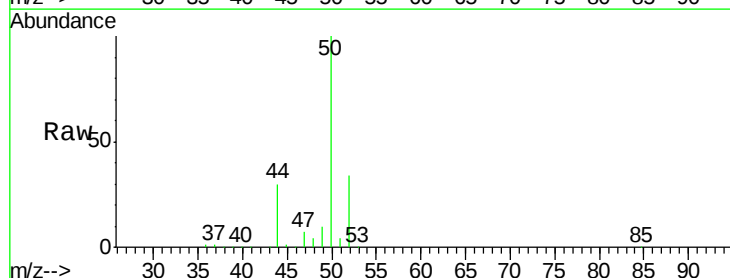
Acq: 12 Jul 2018 19:27

Tgt Ion: 50 Resp: 127722

Ion Ratio Lower Upper

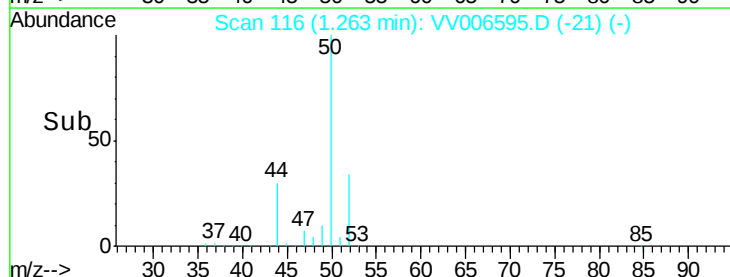
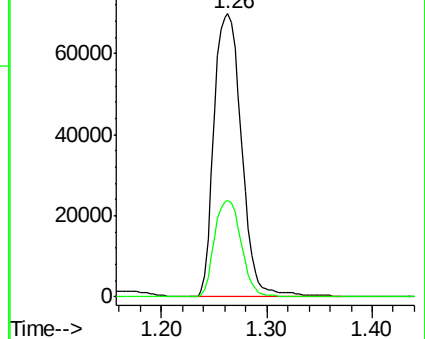
50 100

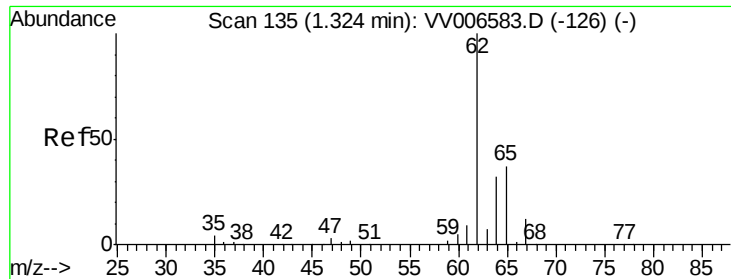
52 34.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006583.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006583.D (-104) (-)





#5

Vinyl chloride

Concen: 4.735 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

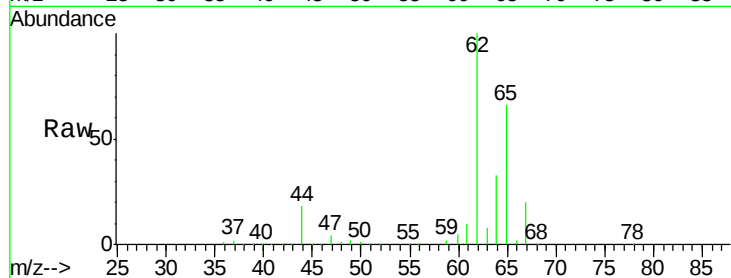
VSTD00572

Tgt Ion: 62 Resp: 131385

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

120000

100000

80000

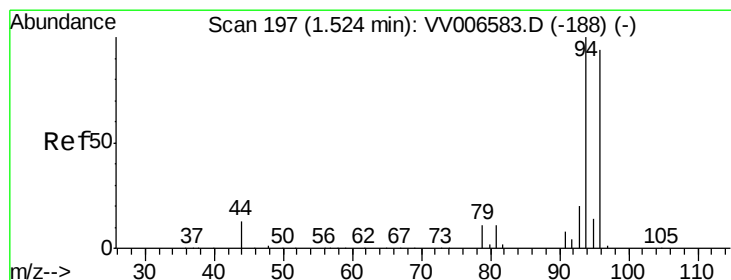
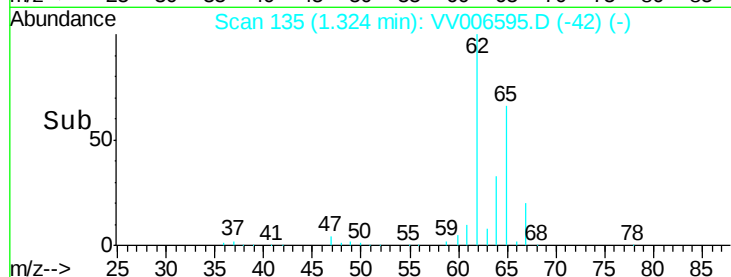
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 3.519 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV006595.D

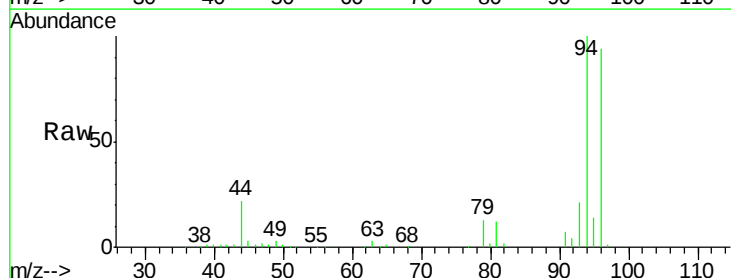
Acq: 12 Jul 2018 19:27

Tgt Ion: 94 Resp: 45253

Ion Ratio Lower Upper

94 100

96 93.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

40000

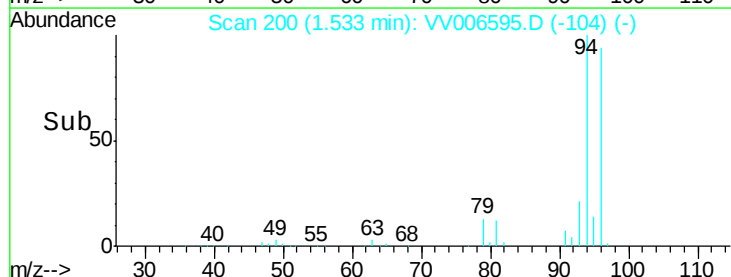
30000

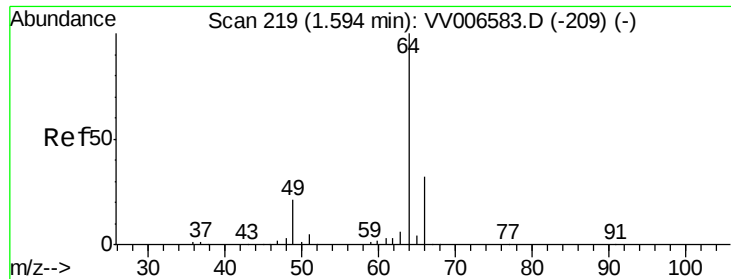
20000

10000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 4.624 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

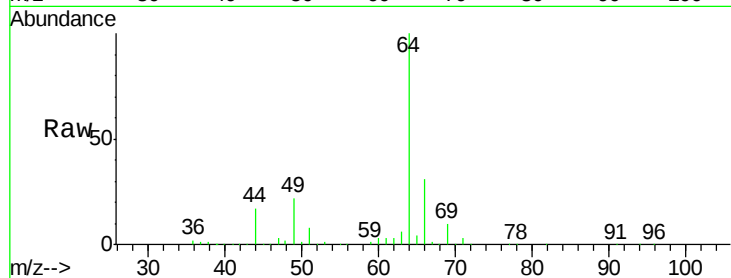
VSTD00572

Tgt Ion: 64 Resp: 77877

Ion Ratio Lower Upper

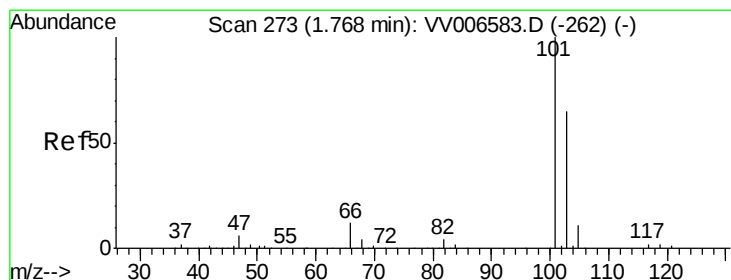
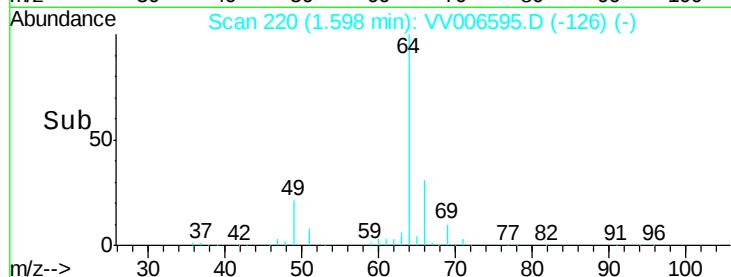
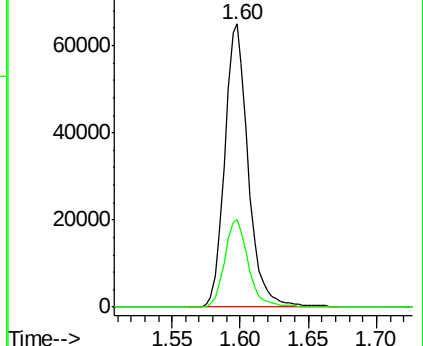
64 100

66 31.0 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006595.D (-126) (-)

Ion 66.05 (65.75 to 66.75): VV006595.D (-126) (-)



#9

Trichlorofluoromethane

Concen: 4.963 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006595.D

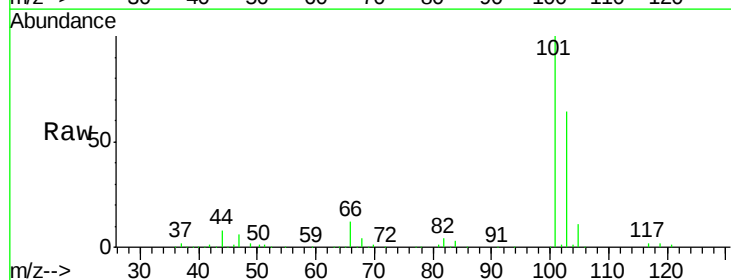
Acq: 12 Jul 2018 19:27

Tgt Ion: 101 Resp: 154963

Ion Ratio Lower Upper

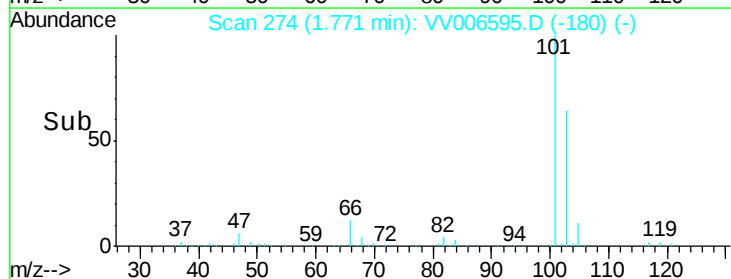
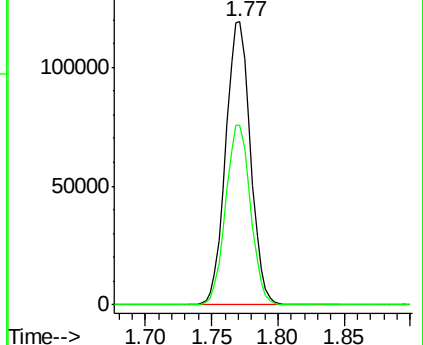
101 100

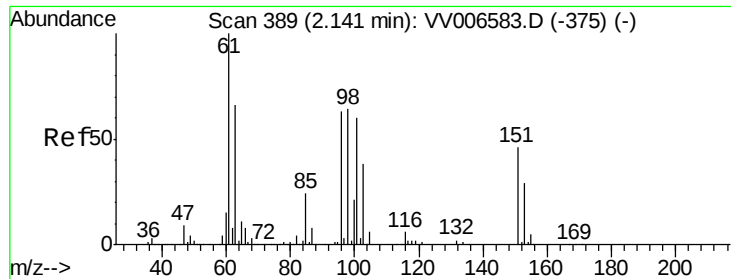
103 63.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006595.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006595.D (-180) (-)





#10

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

Concen: 5.182 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

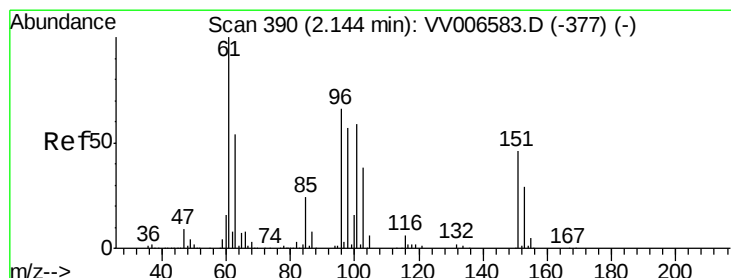
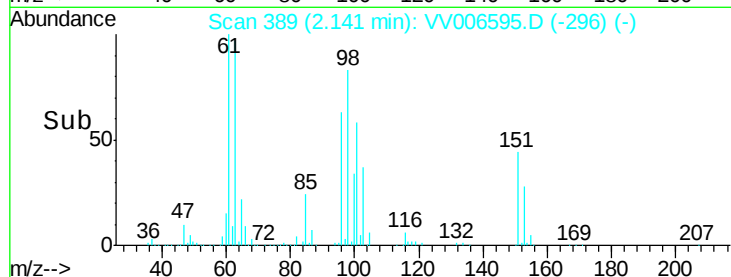
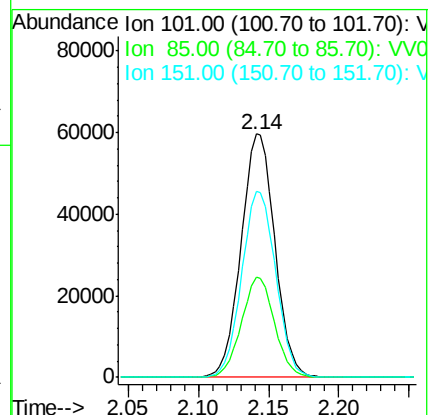
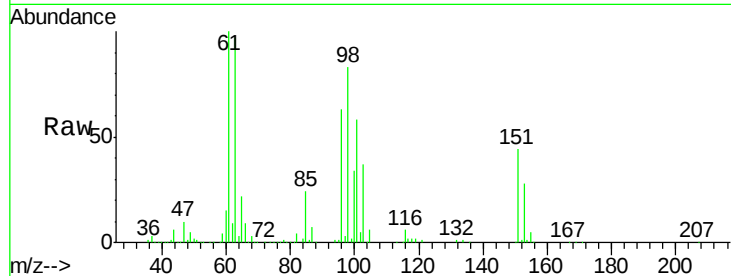
Tgt Ion:101 Resp: 99944

Ion Ratio Lower Upper

101 100

85 40.5 33.1 49.7

151 77.0 61.5 92.3



#12

1,1-Dichloroethene

Concen: 4.893 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

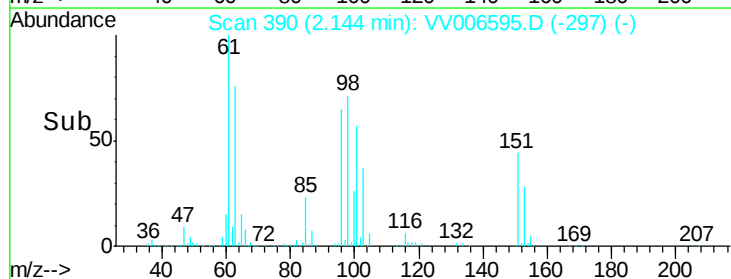
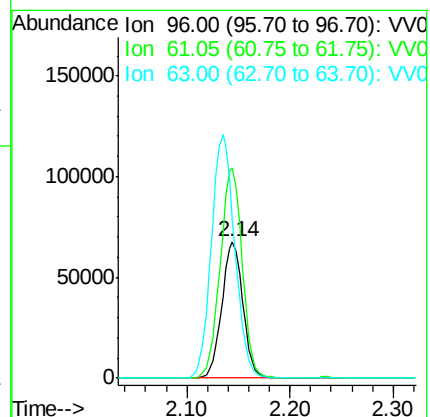
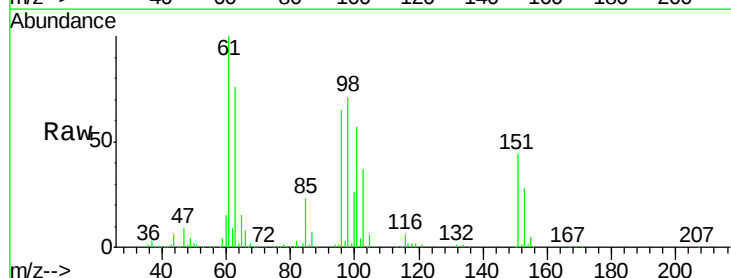
Tgt Ion: 96 Resp: 95494

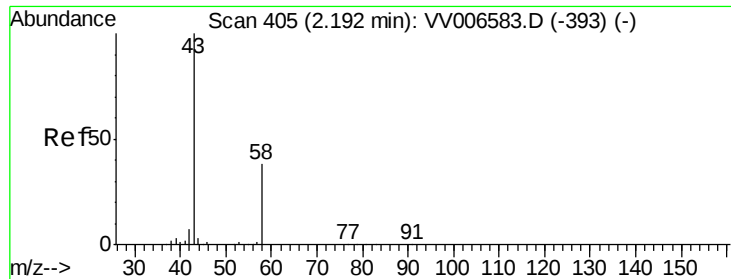
Ion Ratio Lower Upper

96 100

61 153.9 110.7 205.7

63 116.5 79.0 146.8





#13

Acetone

Concen: 43.520 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

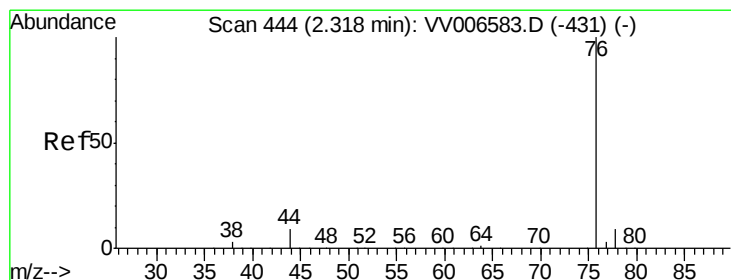
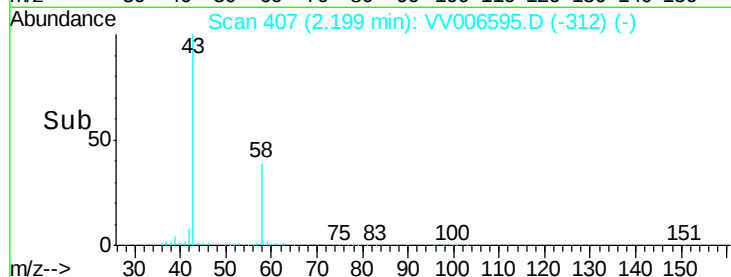
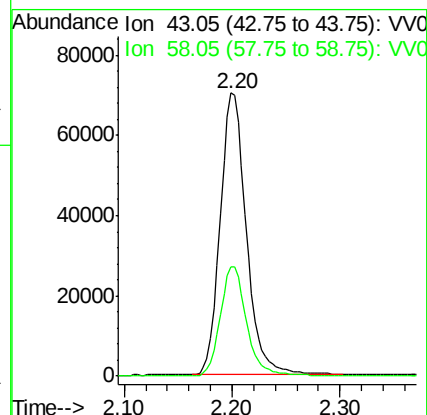
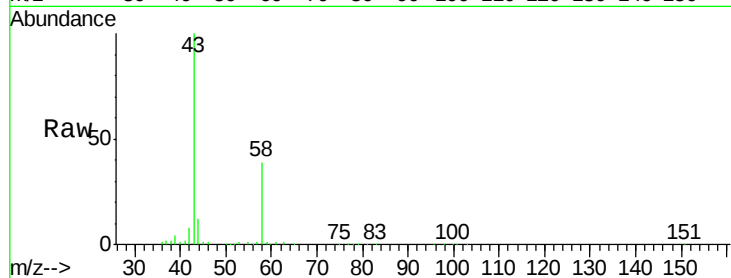
VSTD00572

Tgt Ion: 43 Resp: 118470

Ion Ratio Lower Upper

43 100

58 39.2 0.0 76.2



#14

Carbon disulfide

Concen: 4.364 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006595.D

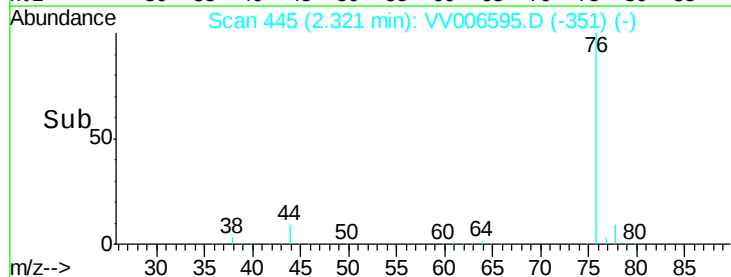
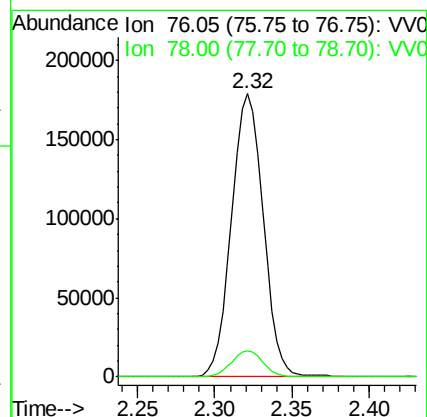
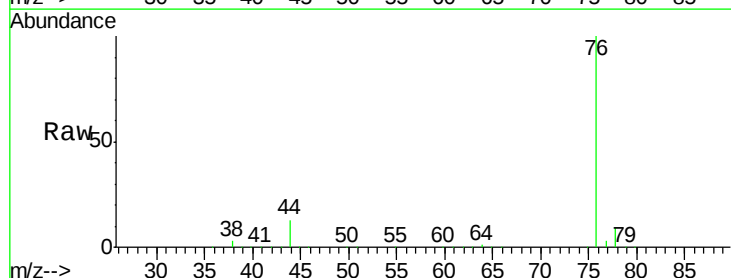
Acq: 12 Jul 2018 19:27

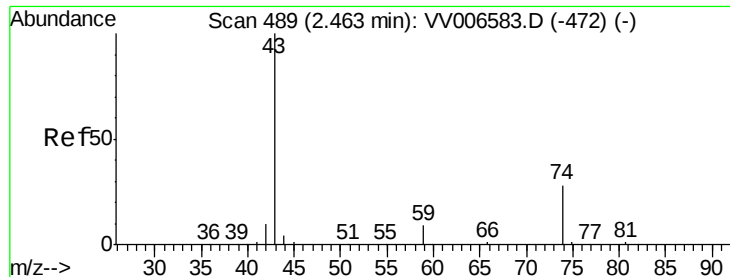
Tgt Ion: 76 Resp: 254713

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

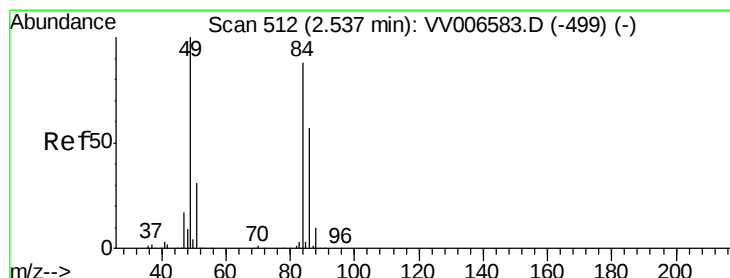
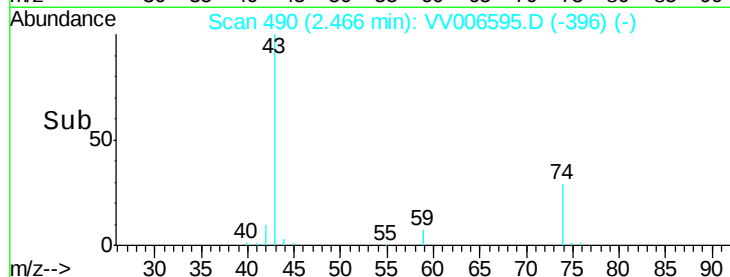
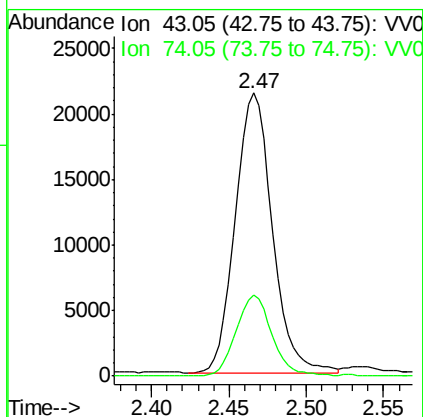
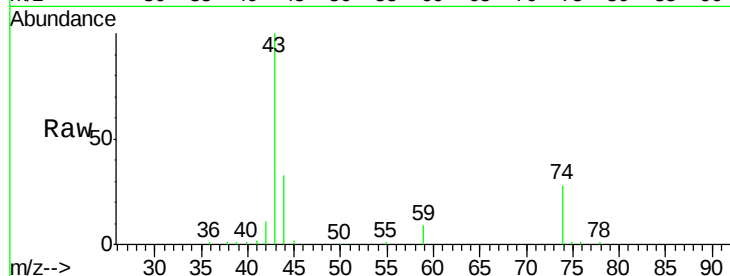




#15
Methyl Acetate
Concen: 4.435 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

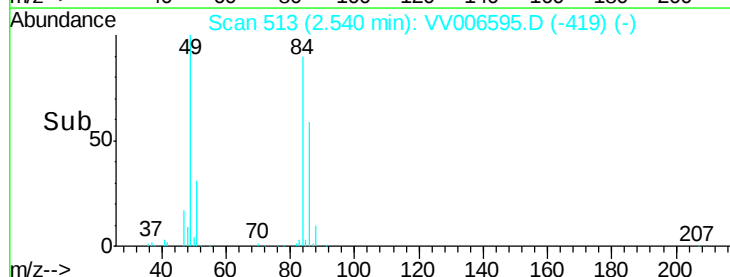
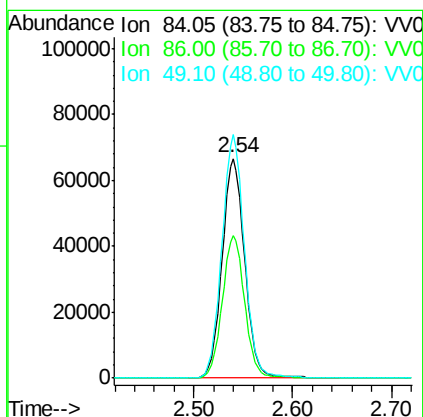
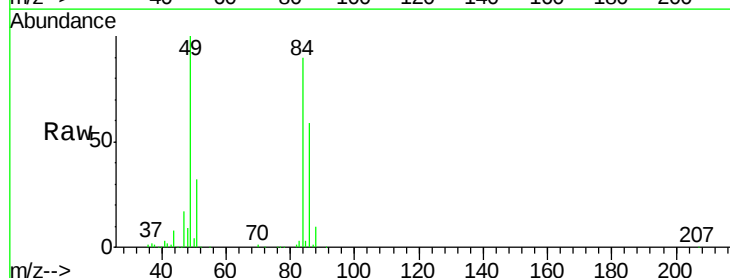
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

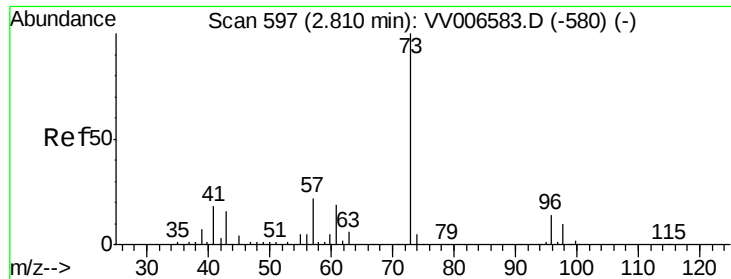
Tgt Ion: 43 Resp: 35539
Ion Ratio Lower Upper
43 100
74 28.0 21.8 32.6



#16
Methylene chloride
Concen: 4.893 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Tgt Ion: 84 Resp: 107665
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 111.0 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 4.844 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

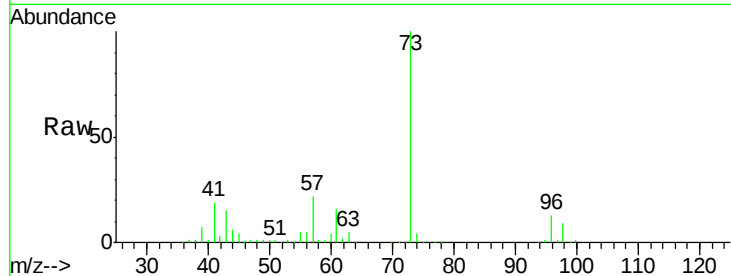
Tgt Ion: 73 Resp: 223901

Ion Ratio Lower Upper

73 100

43 15.2 12.5 18.7

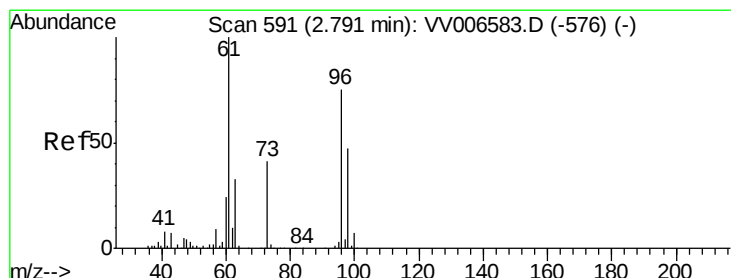
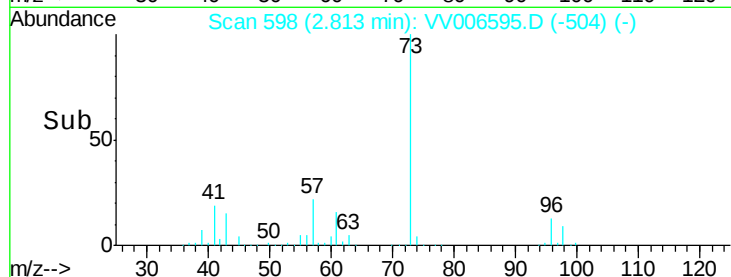
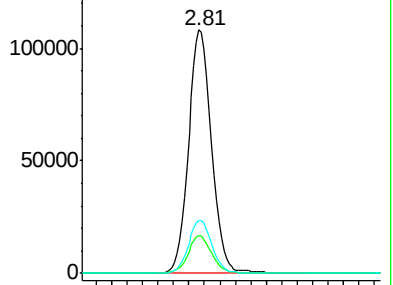
57 22.3 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VV006583.D (-580) (-)

Ion 43.05 (42.75 to 43.75): VV006583.D (-580) (-)

Ion 57.10 (56.80 to 57.80): VV006583.D (-580) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.925 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

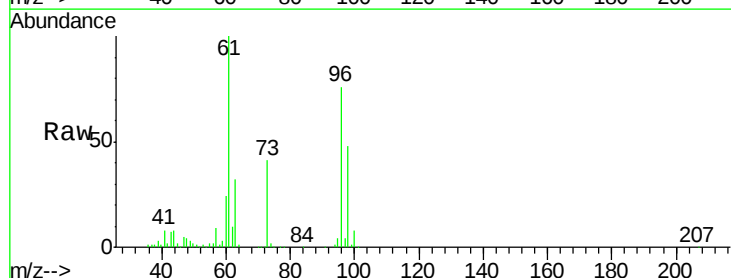
Tgt Ion: 96 Resp: 104860

Ion Ratio Lower Upper

96 100

61 132.3 96.5 179.3

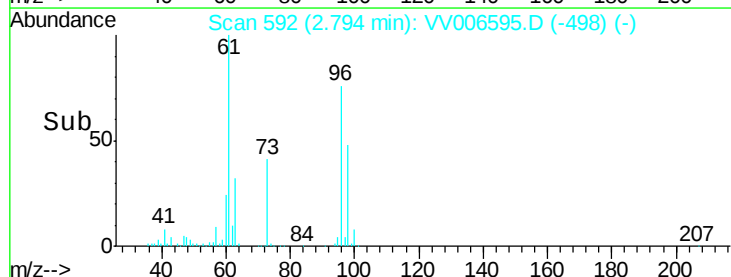
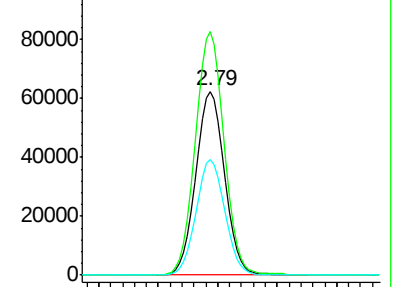
98 63.2 45.1 83.7

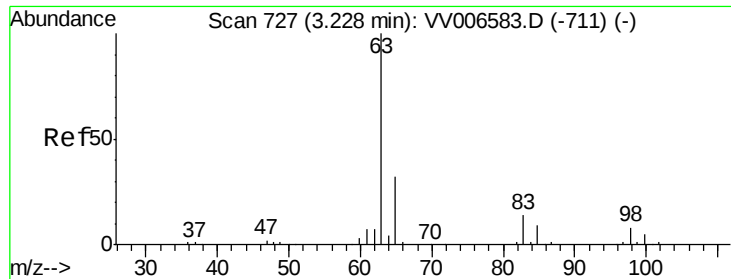


Abundance Ion 96.00 (95.70 to 96.70): VV006583.D (-576) (-)

Ion 61.05 (60.75 to 61.75): VV006583.D (-576) (-)

Ion 97.95 (97.65 to 98.65): VV006583.D (-576) (-)

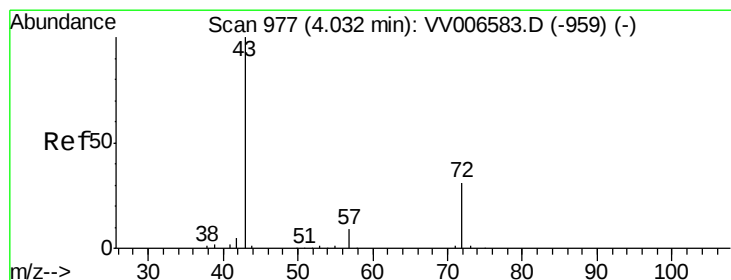
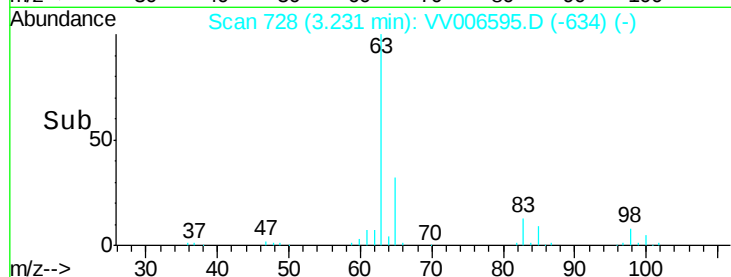
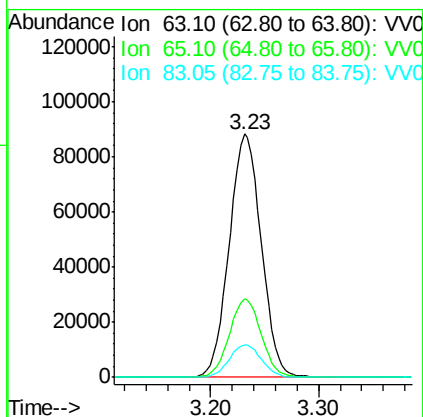
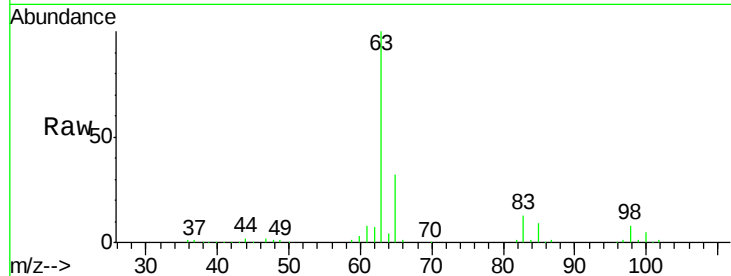




#19
 1,1-Dichloroethane
 Concen: 4.929 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

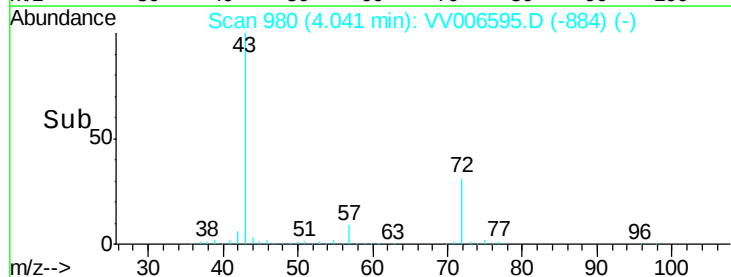
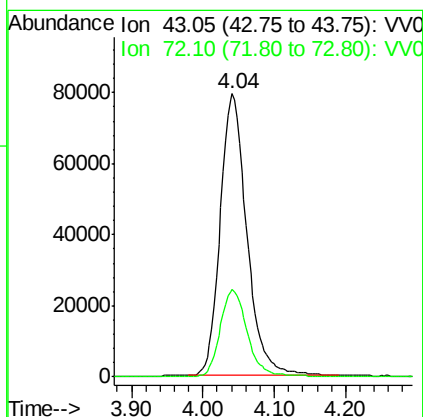
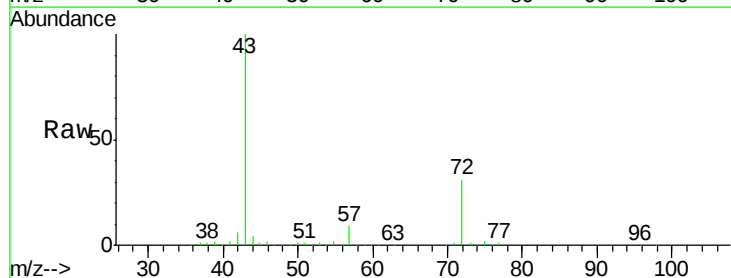
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

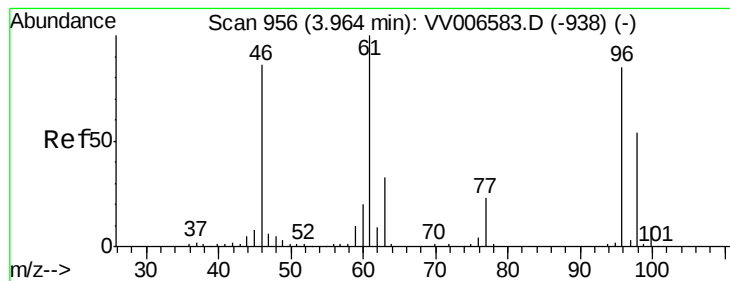
Tgt Ion: 63 Resp: 182108
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.0 41.0
 83 13.4 9.5 17.7



#21
 2-Butanone
 Concen: 45.994 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Tgt Ion: 43 Resp: 205430
 Ion Ratio Lower Upper
 43 100
 72 32.0 15.1 45.3



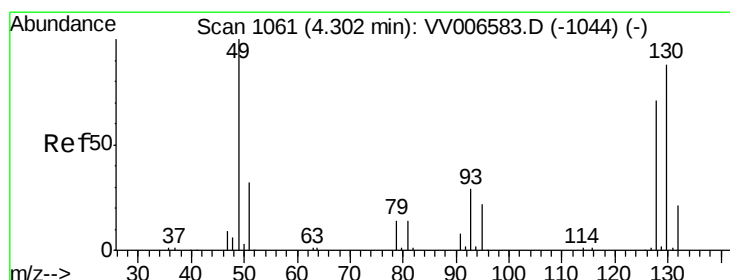
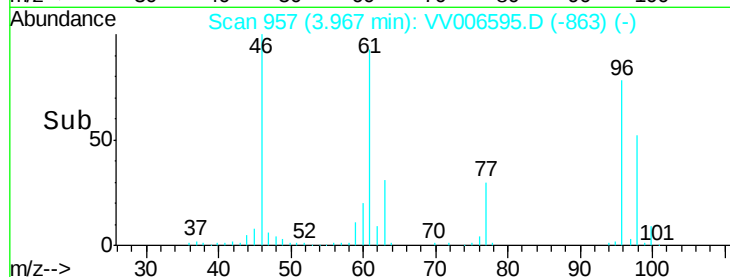
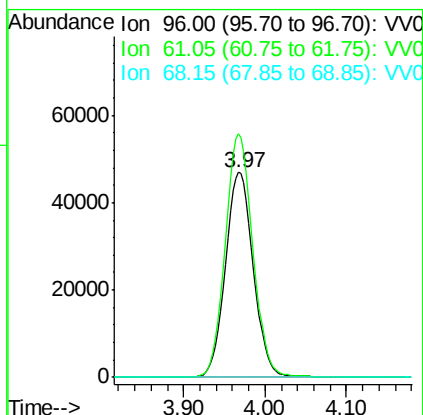
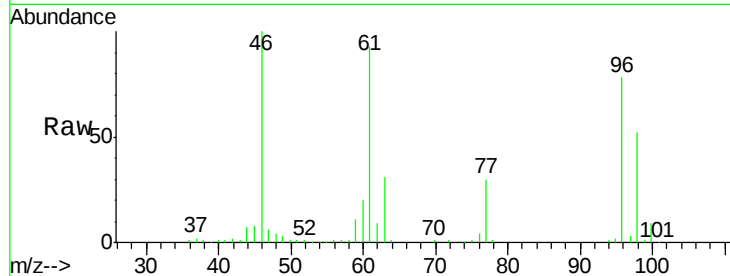


#22

cis-1,2-Dichloroethene
 Concen: 4.943 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

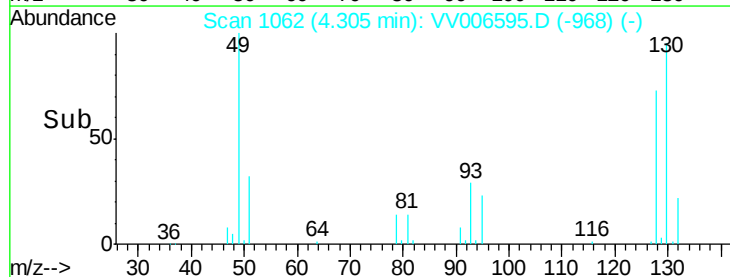
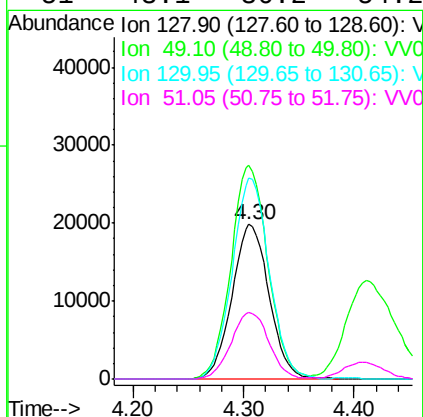
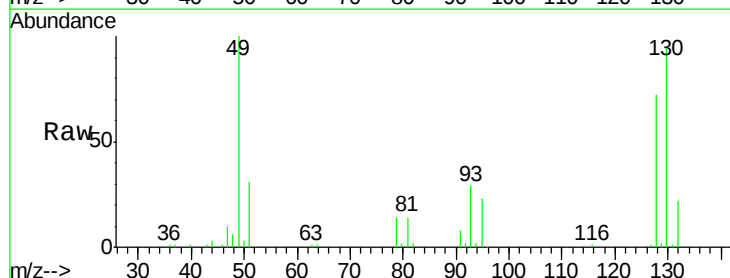
Tgt Ion: 96 Resp: 113070
 Ion Ratio Lower Upper
 96 100
 61 118.8 83.8 155.6
 68 0.0 0.0 0.0

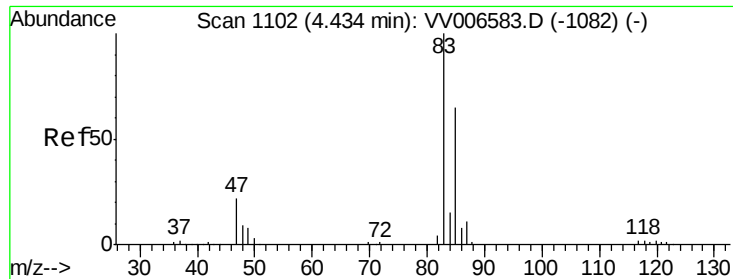


#23

Bromochloromethane
 Concen: 4.927 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Tgt Ion: 128 Resp: 46164
 Ion Ratio Lower Upper
 128 100
 49 137.9 98.8 183.4
 130 130.2 89.5 166.1
 51 43.1 36.2 54.2

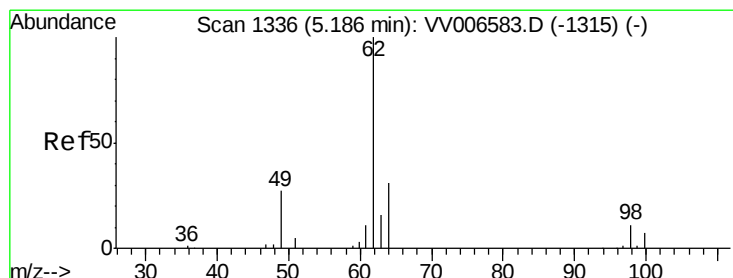
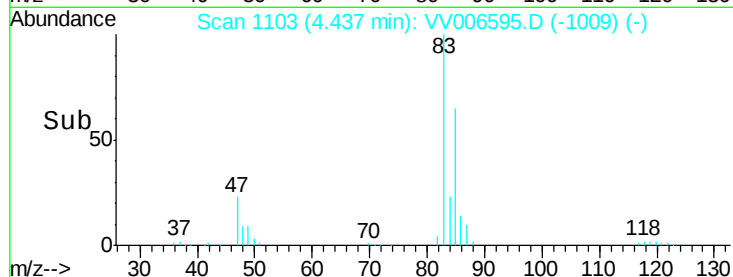
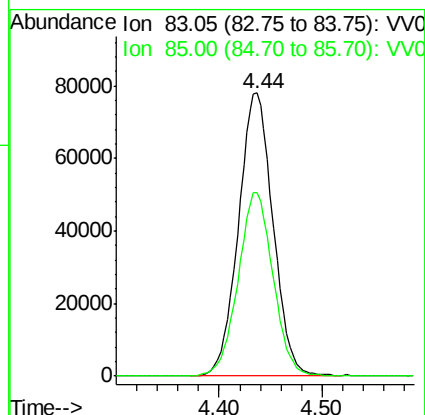
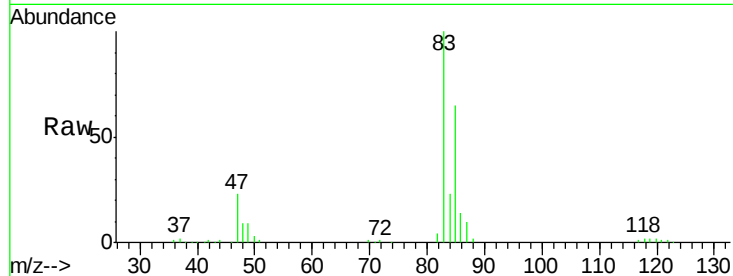




#25
Chloroform
Concen: 4.948 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

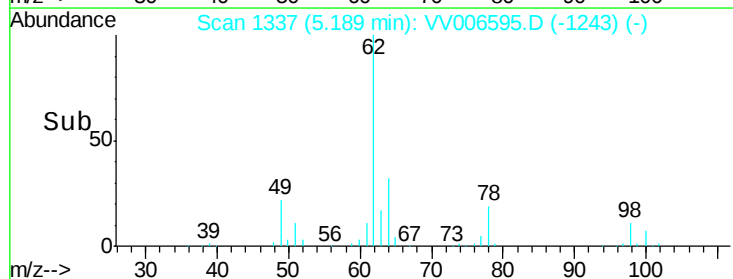
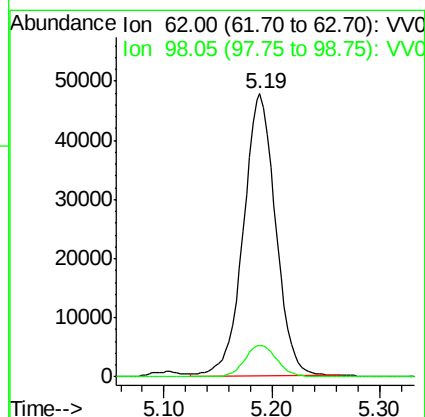
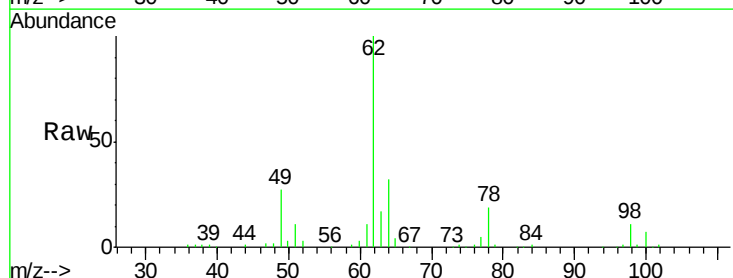
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

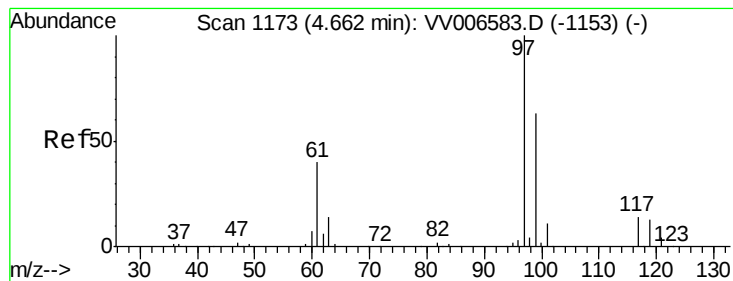
Tgt Ion: 83 Resp: 181845
Ion Ratio Lower Upper
83 100
85 65.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.770 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Tgt Ion: 62 Resp: 99557
Ion Ratio Lower Upper
62 100
98 11.2 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 4.974 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

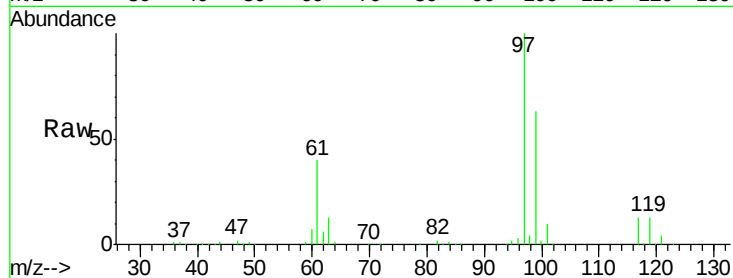
Tgt Ion: 97 Resp: 147344

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

61 41.1 33.7 50.5

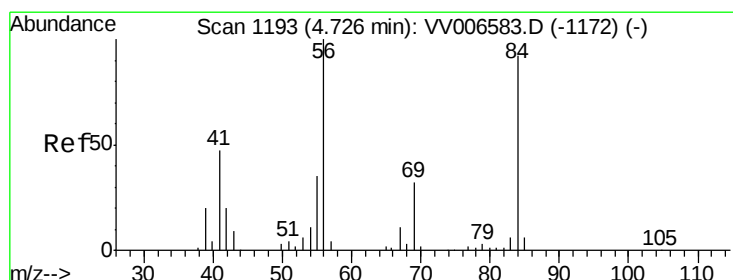
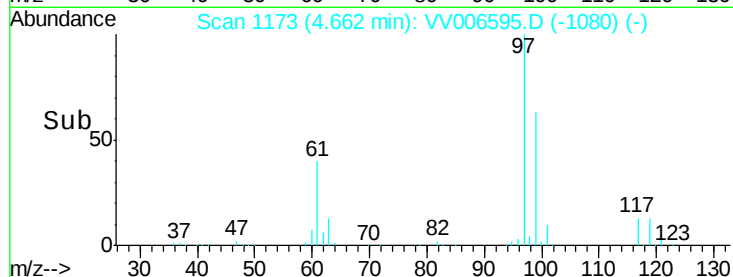
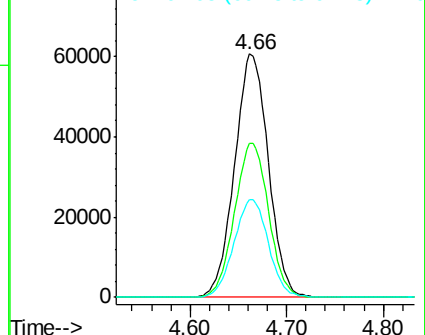


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.835 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

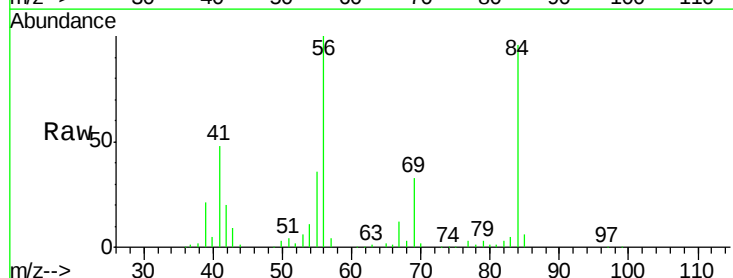
Tgt Ion: 56 Resp: 152413

Ion Ratio Lower Upper

56 100

69 32.2 25.5 38.3

84 95.4 74.7 112.1

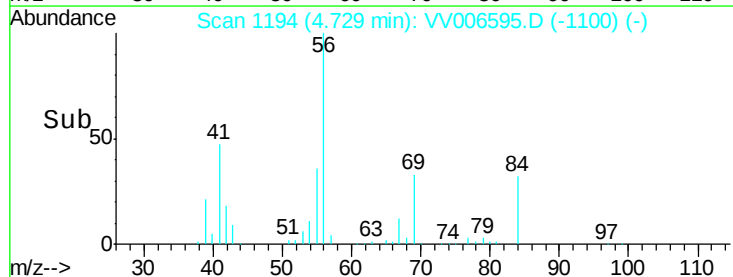
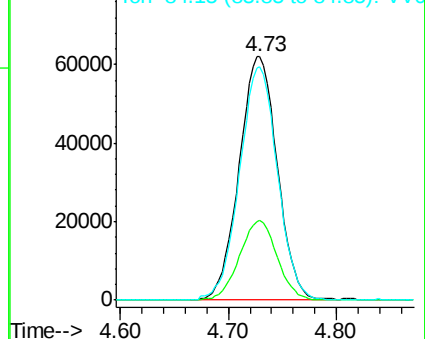


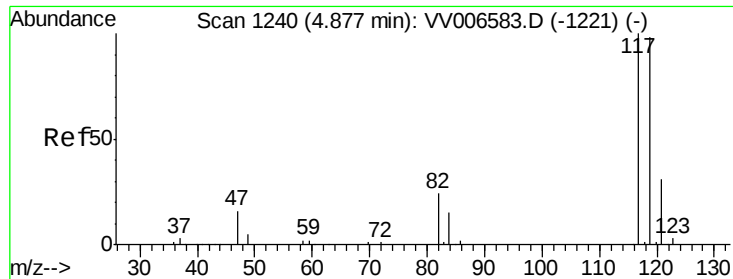
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.907 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

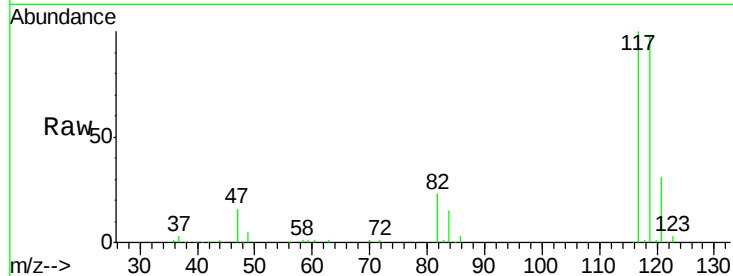
VSTD00572

Tgt Ion:117 Resp: 121607

Ion Ratio Lower Upper

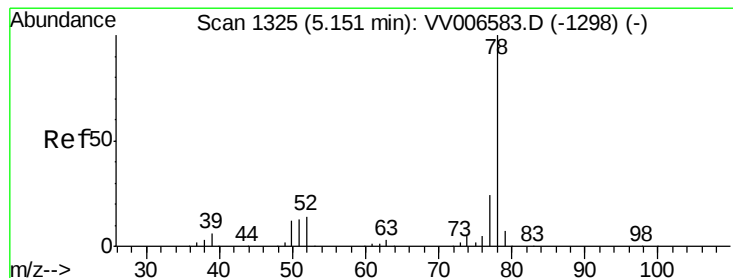
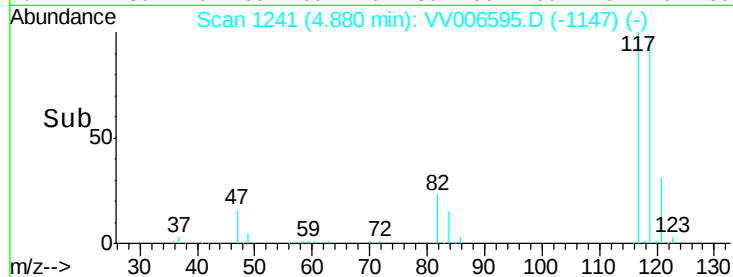
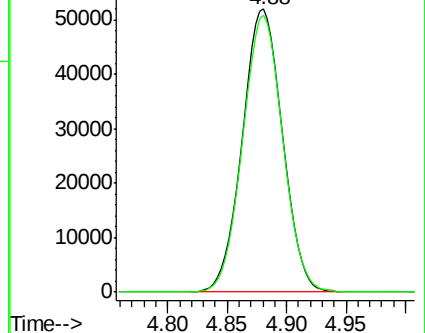
117 100

119 97.5 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.061 ug/L

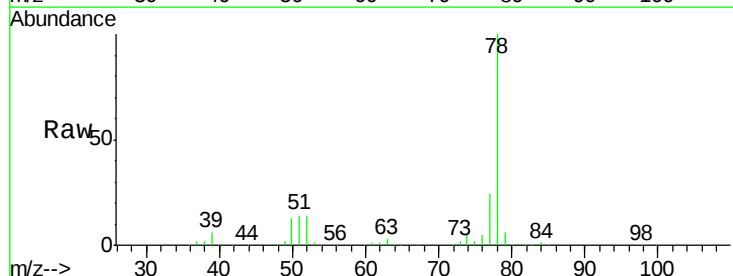
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

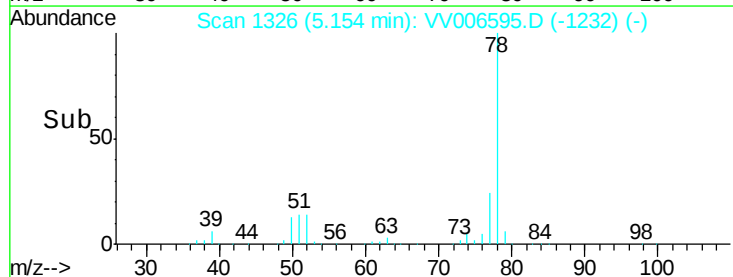
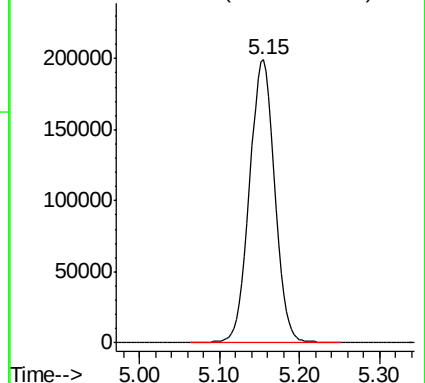
Lab File: VV006595.D

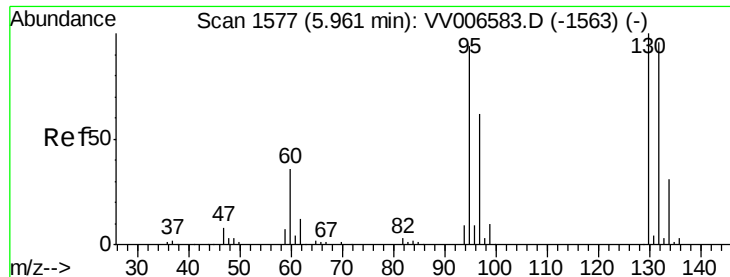
Acq: 12 Jul 2018 19:27

Tgt Ion: 78 Resp: 427150



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.130 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

Tgt Ion: 95 Resp: 111048

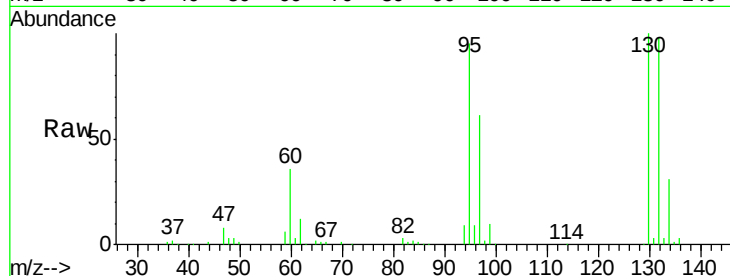
Ion Ratio Lower Upper

95 100

97 64.4 44.3 82.3

132 103.2 70.0 130.0

130 105.7 72.7 134.9

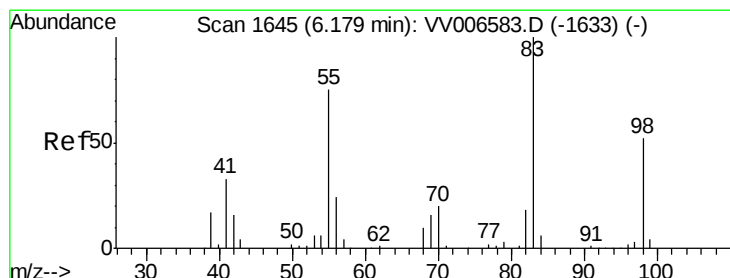
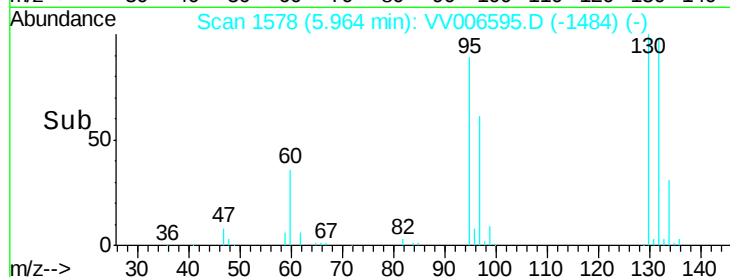
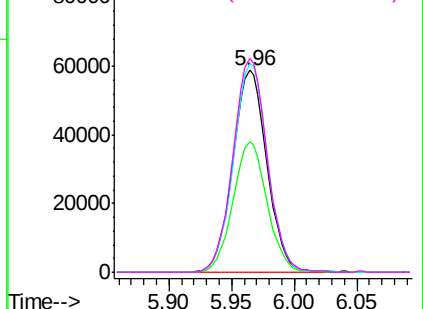


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.044 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

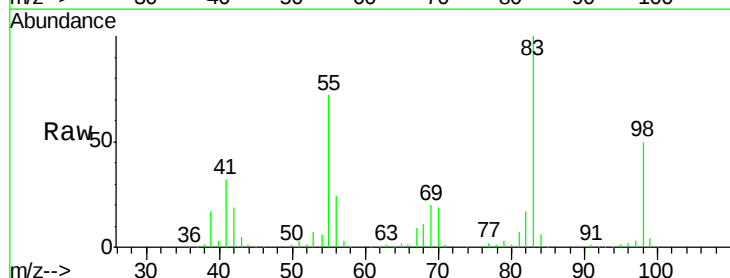
Tgt Ion: 83 Resp: 175815

Ion Ratio Lower Upper

83 100

55 71.5 58.3 87.5

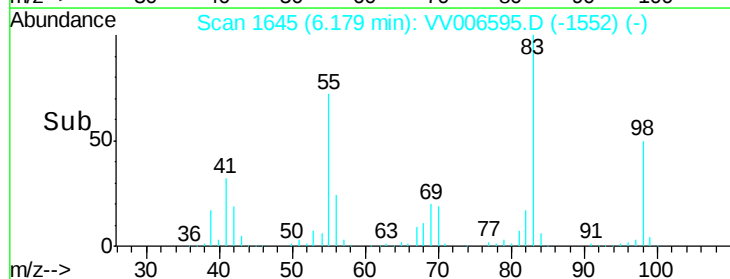
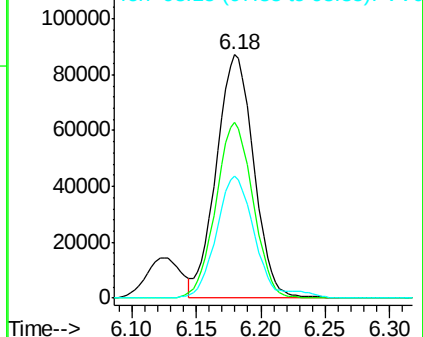
98 51.7 39.3 58.9

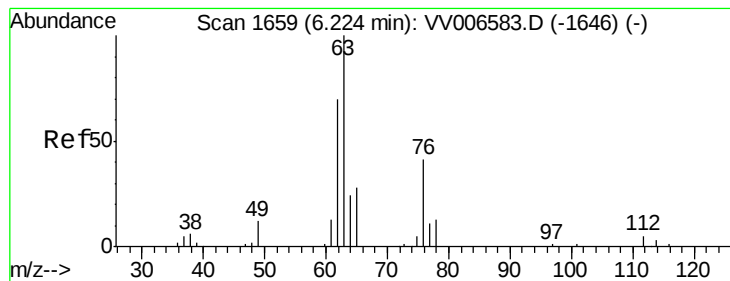


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.986 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

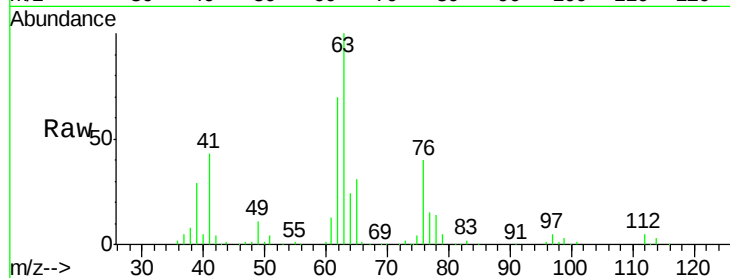
VSTD00572

Tgt Ion: 63 Resp: 102913

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV006583.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006583.D (-1646) (-)

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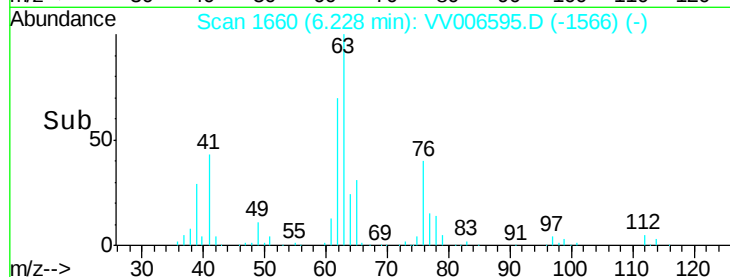
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Abundance Ion 63.10 (62.80 to 63.80): VV006583.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006583.D (-1646) (-)

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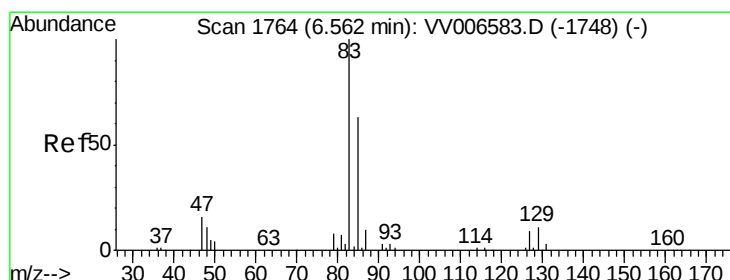
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#38

Bromodichloromethane

Concen: 4.777 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

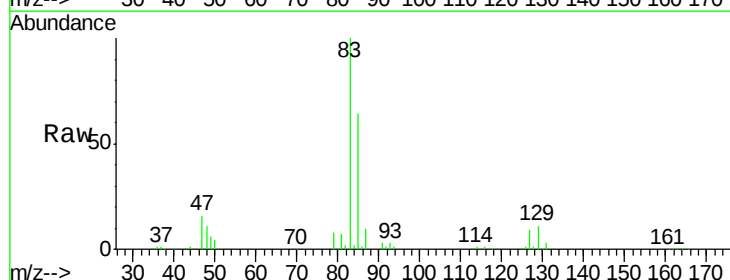
Tgt Ion: 83 Resp: 111194

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

127 9.0 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV006583.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV006583.D (-1748) (-)

Ion 126.90 (126.60 to 127.60): VV006583.D (-1748) (-)

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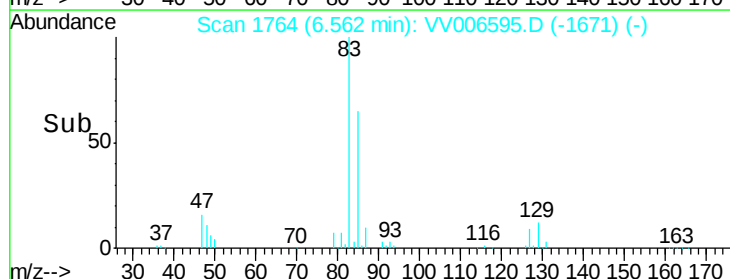
6.56

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Abundance Ion 82.95 (82.65 to 83.65): VV006583.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV006583.D (-1748) (-)

Ion 126.90 (126.60 to 127.60): VV006583.D (-1748) (-)

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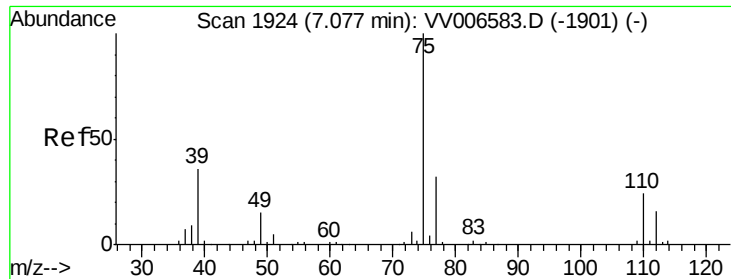
6.56

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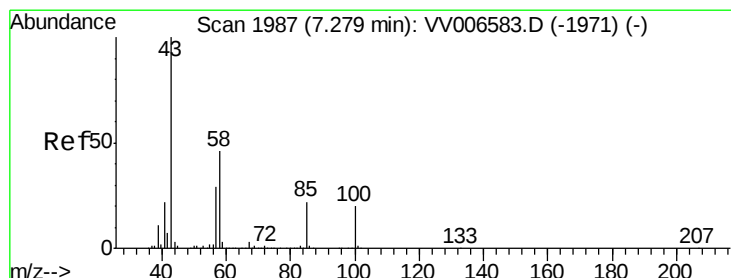
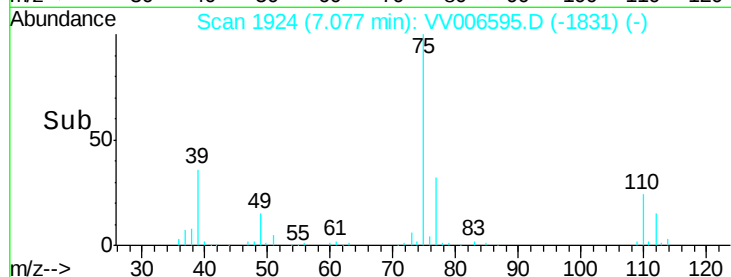
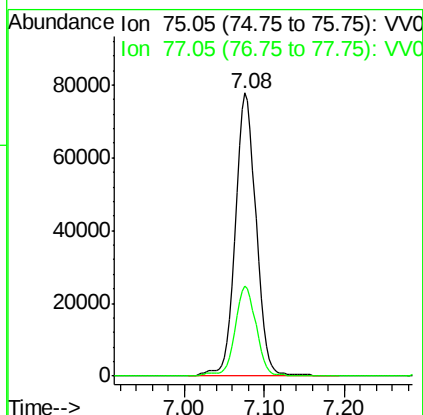
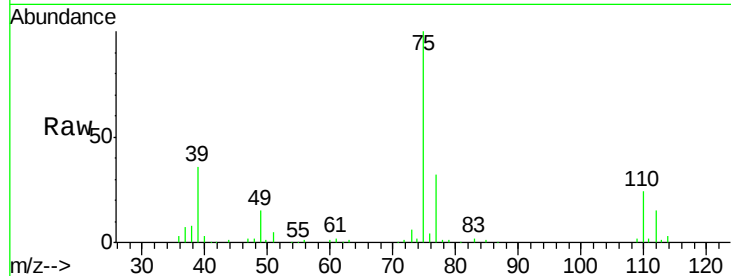
6.56



#39
 cis-1,3-Dichloropropene
 Concen: 4.940 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

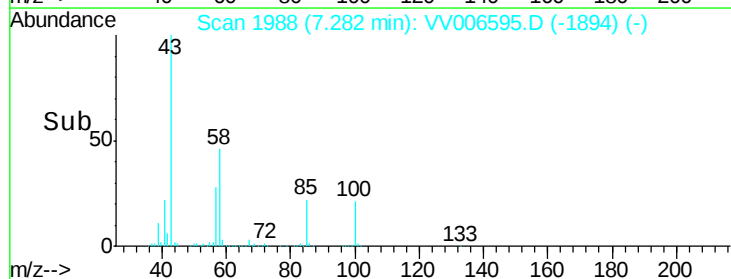
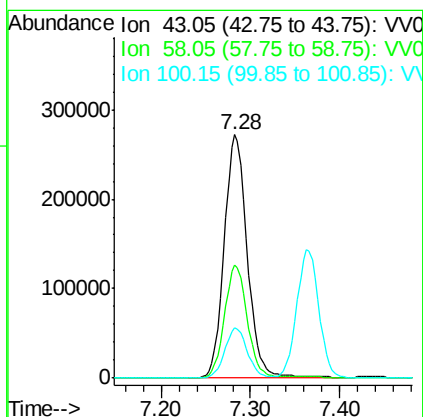
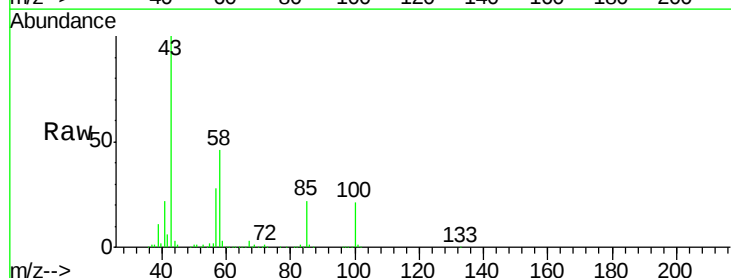
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

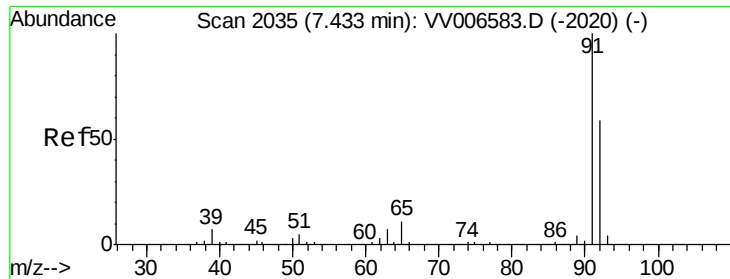
Tgt Ion: 75 Resp: 136872
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 46.667 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Tgt Ion: 43 Resp: 488265
 Ion Ratio Lower Upper
 43 100
 58 45.8 35.8 53.6
 100 20.1 15.4 23.0





#42

Toluene

Concen: 5.063 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

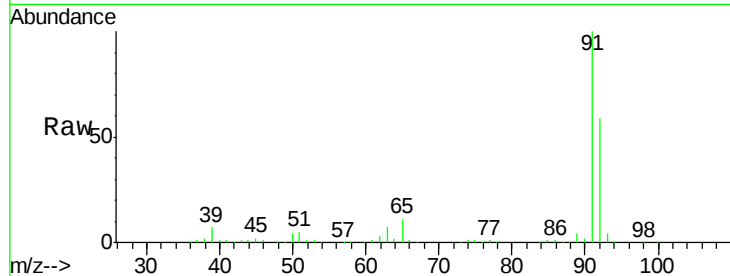
VSTD00572

Tgt Ion: 91 Resp: 444439

Ion Ratio Lower Upper

91 100

92 59.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

250000

200000

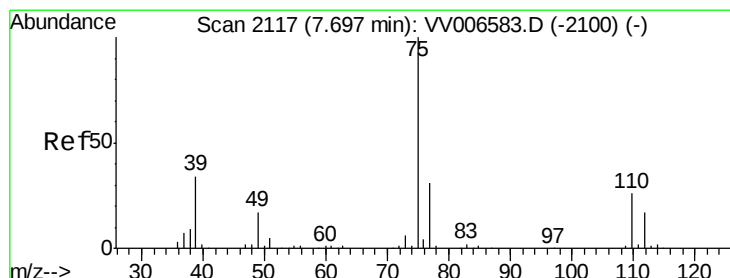
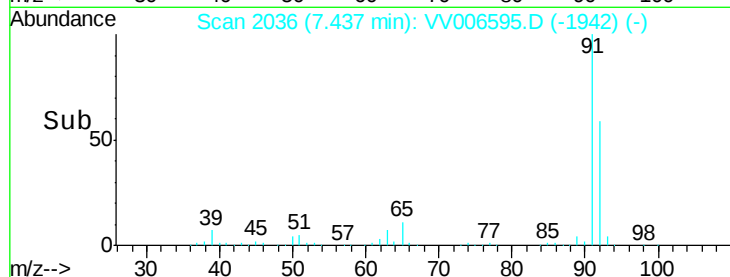
150000

100000

50000

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Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006595.D

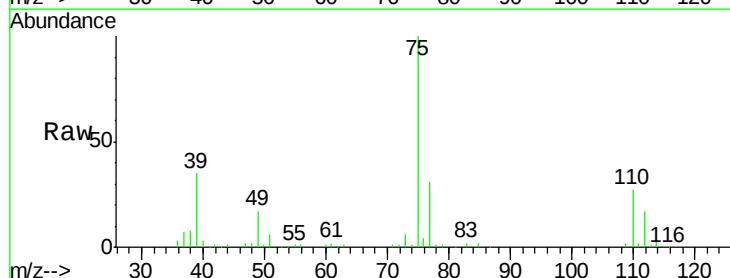
Acq: 12 Jul 2018 19:27

Tgt Ion: 75 Resp: 104927

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

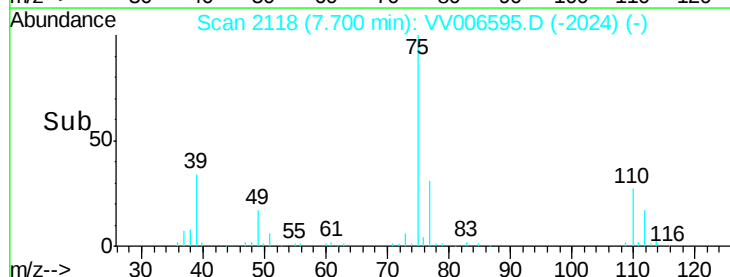
60000

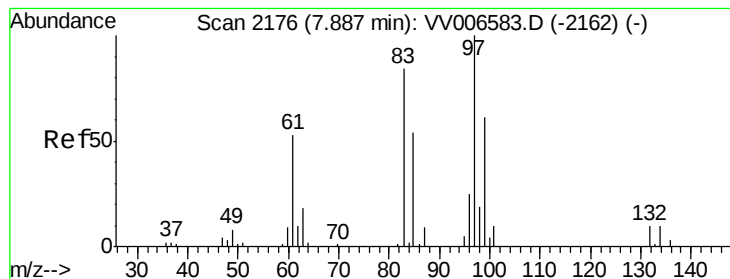
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.973 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

Tgt Ion: 97 Resp: 71827

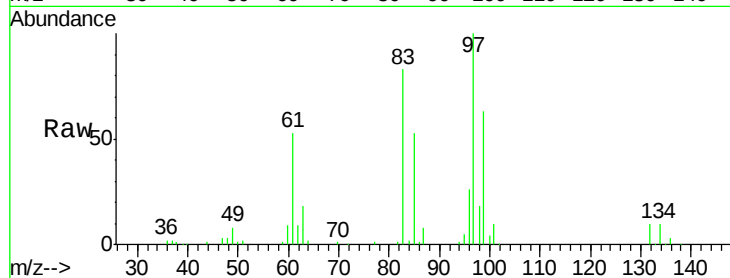
Ion Ratio Lower Upper

97 100

99 63.3 43.3 80.3

83 82.7 58.0 107.8

85 53.3 37.8 70.2

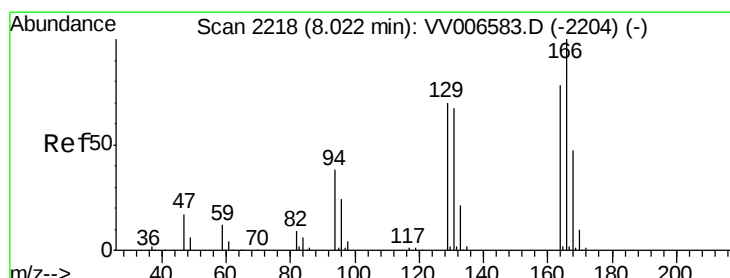
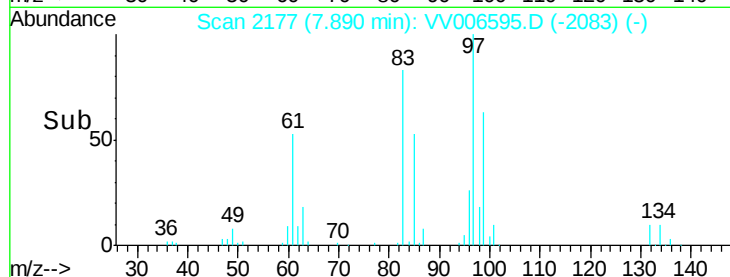
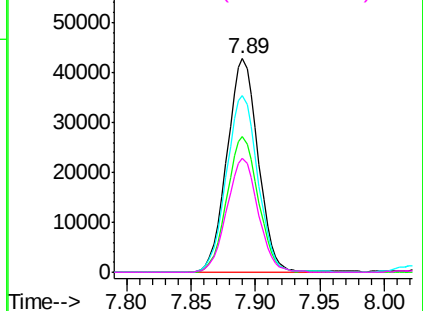


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.090 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Tgt Ion: 164 Resp: 90602

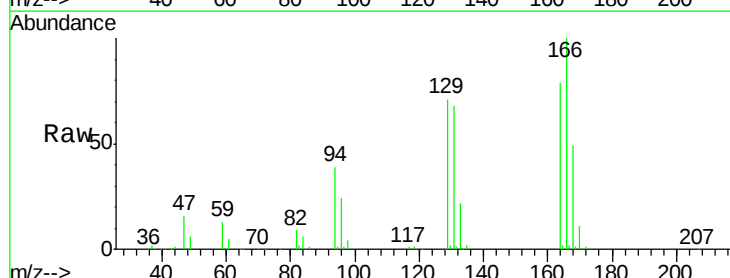
Ion Ratio Lower Upper

164 100

129 90.0 62.1 115.3

131 86.3 60.8 113.0

166 127.2 87.1 161.7

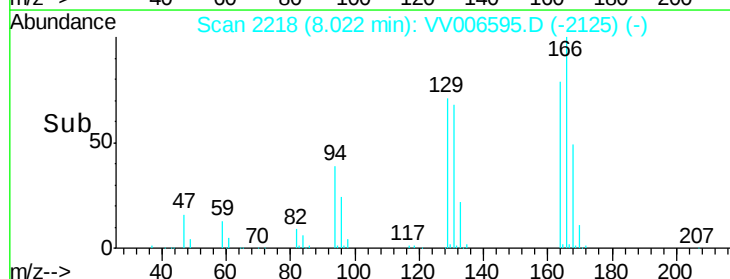
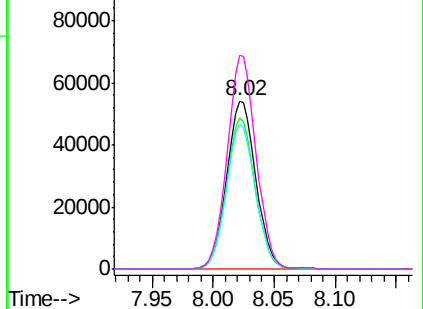


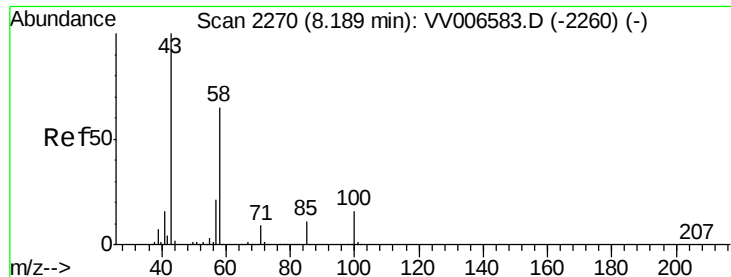
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

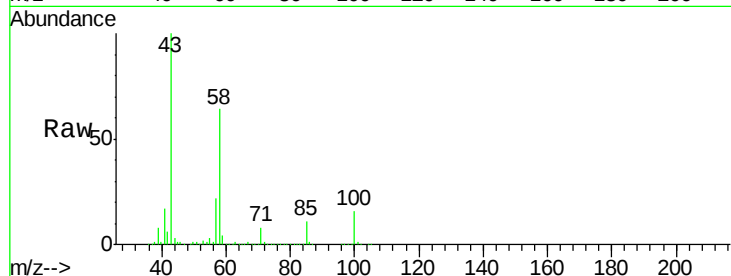




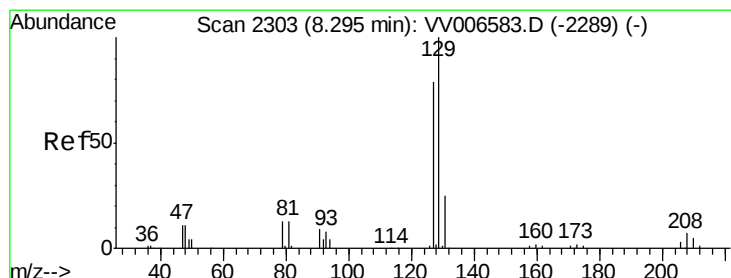
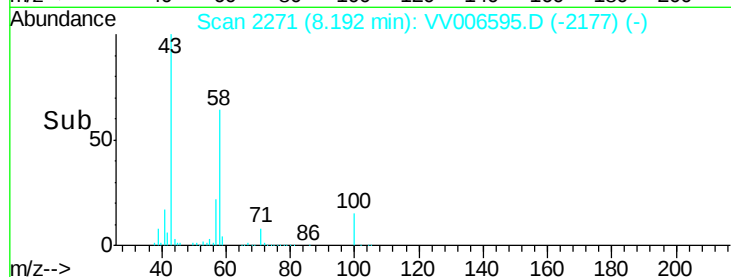
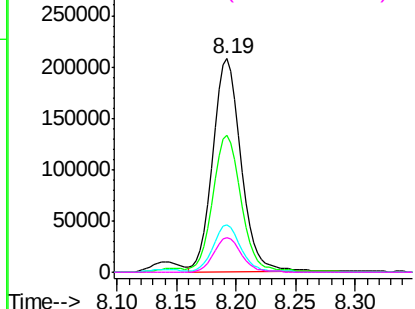
#48
2-Hexanone
Concen: 46.104 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Tgt Ion:	43	Resp:	342035
Ion	Ratio	Lower	Upper
43	100		
58	64.9	50.3	75.5
57	22.3	17.0	25.4
100	16.1	12.3	18.5

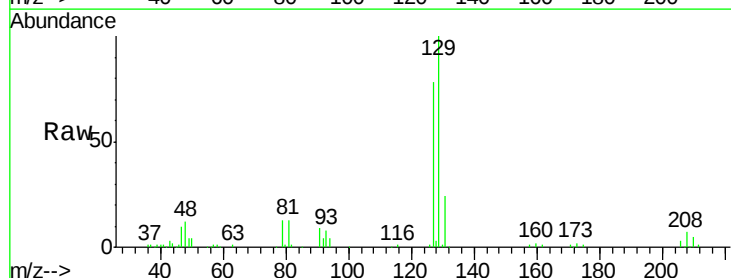


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

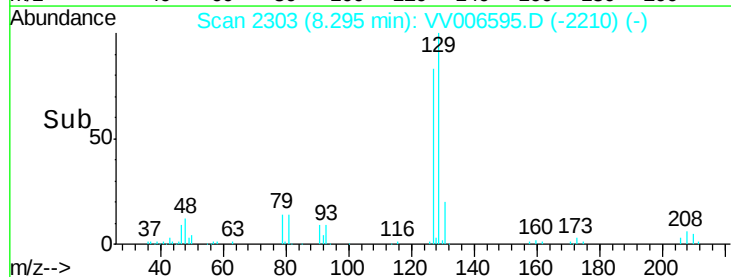
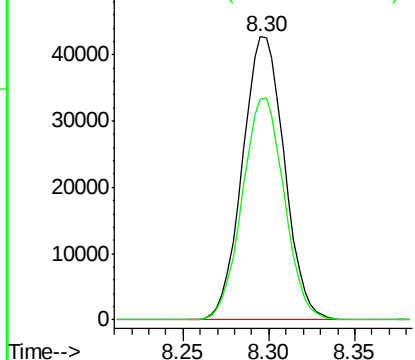


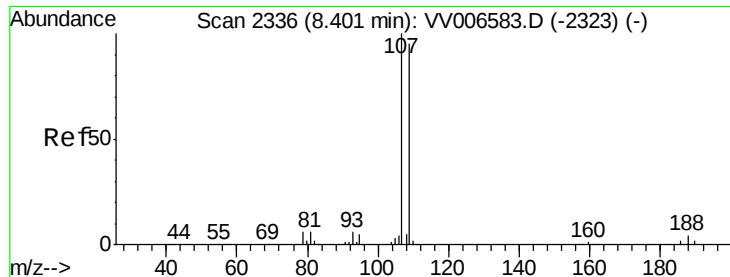
#49
Dibromochloromethane
Concen: 4.798 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Tgt Ion:	129	Resp:	72265
Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.7	97.9



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

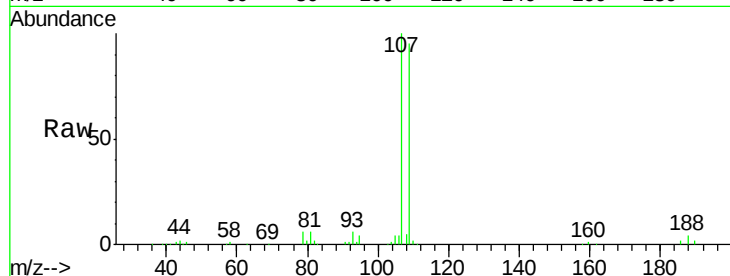




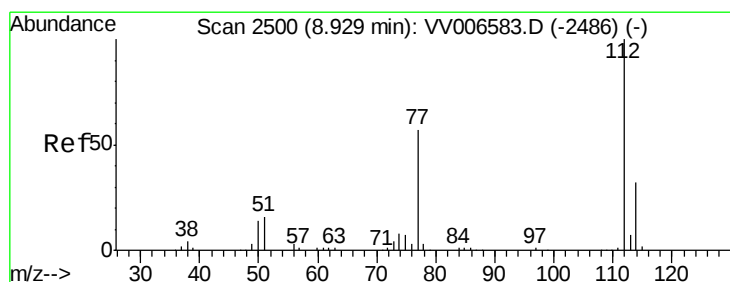
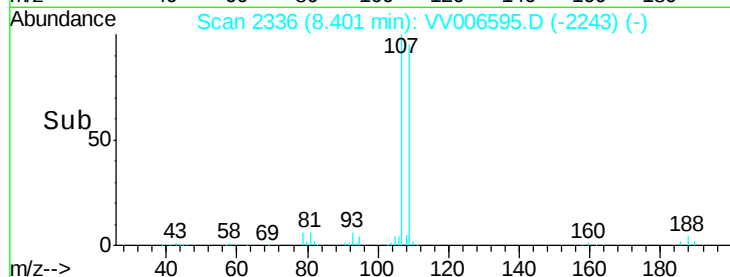
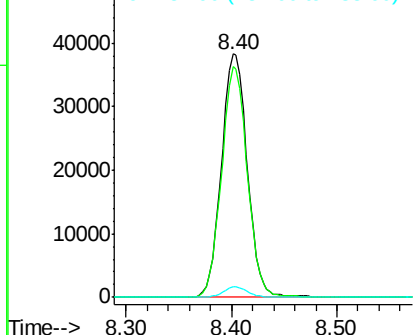
#50
1,2-Dibromoethane
Concen: 4.934 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Tgt Ion:107 Resp: 64877
Ion Ratio Lower Upper
107 100
109 94.5 65.2 121.0
188 4.2 3.4 5.0

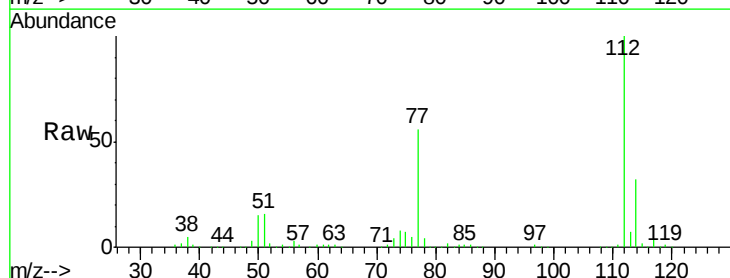


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

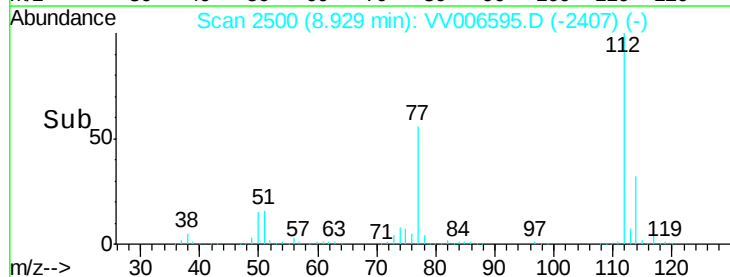
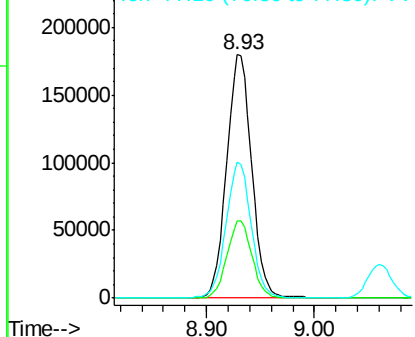


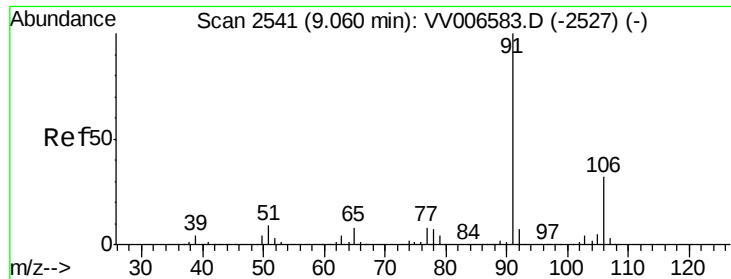
#51
Chlorobenzene
Concen: 5.070 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Tgt Ion:112 Resp: 291139
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 55.9 45.1 67.7



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: 5.040 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

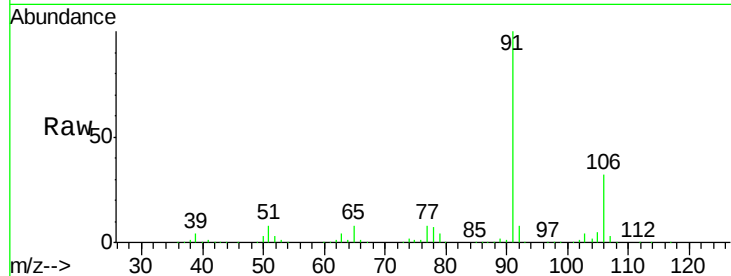
VSTD00572

Tgt Ion: 91 Resp: 470095

Ion Ratio Lower Upper

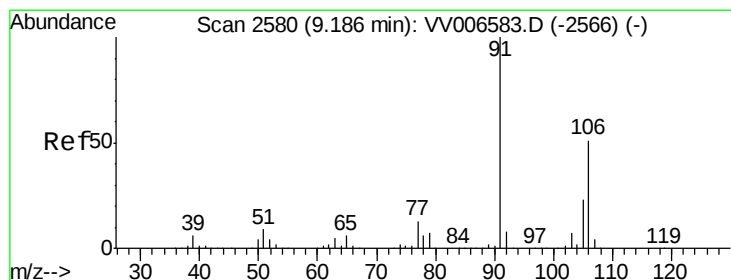
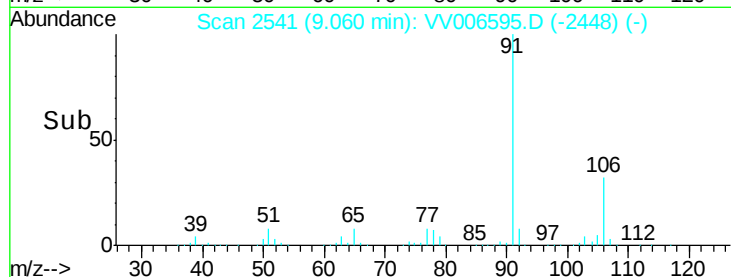
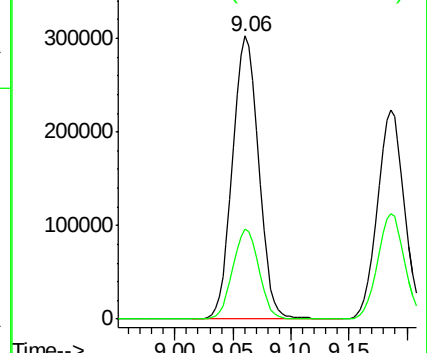
91 100

106 31.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.121 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006595.D

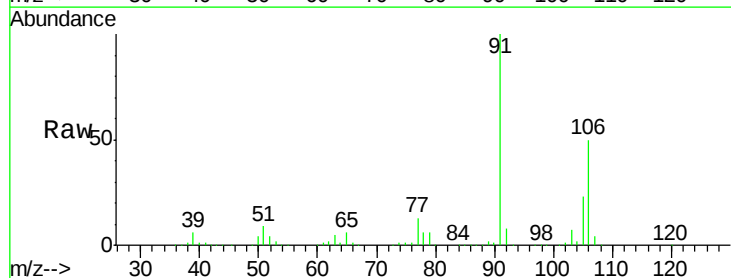
Acq: 12 Jul 2018 19:27

Tgt Ion: 106 Resp: 183999

Ion Ratio Lower Upper

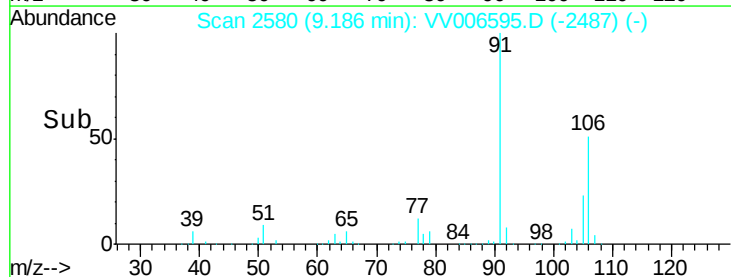
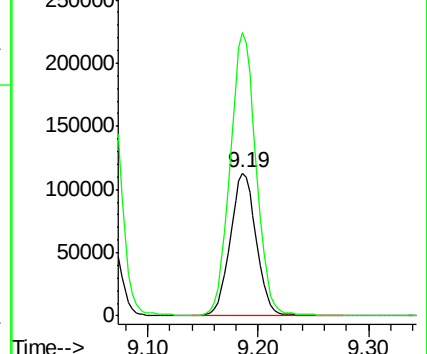
106 100

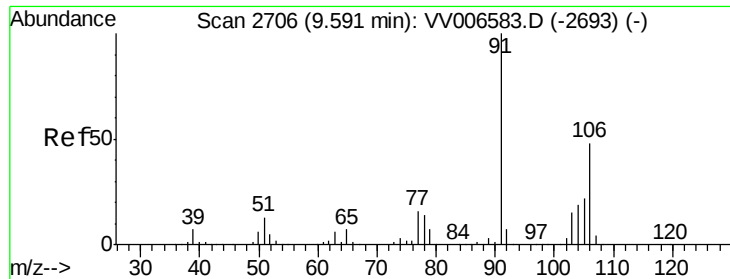
91 198.2 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

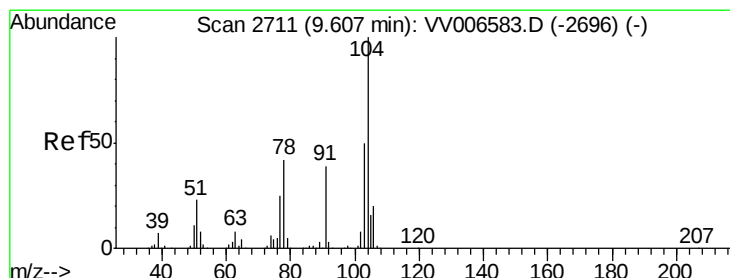
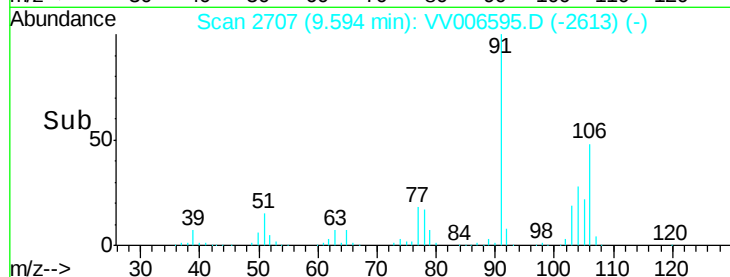
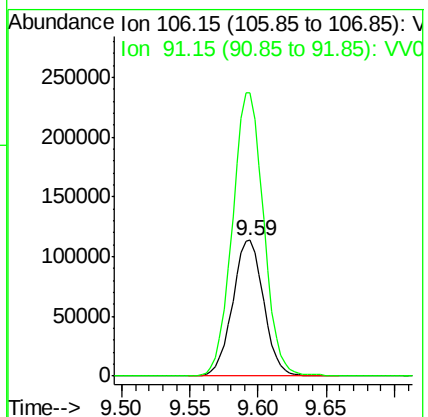
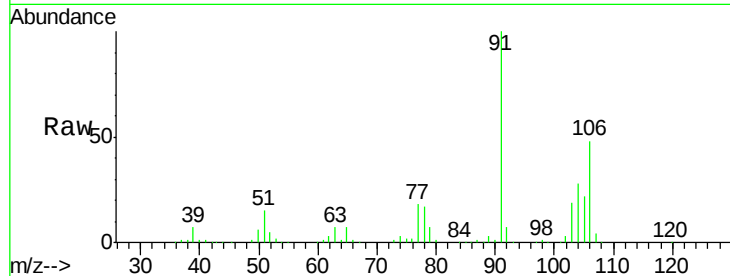




#54
o-xylene
Concen: 5.130 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

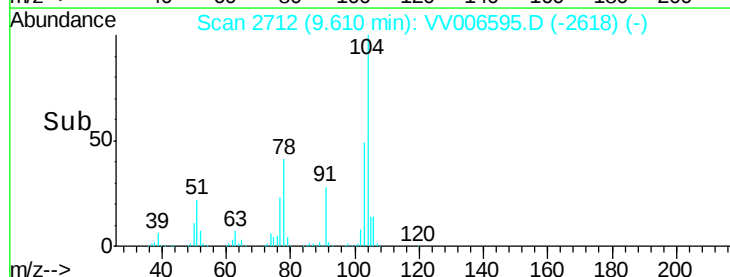
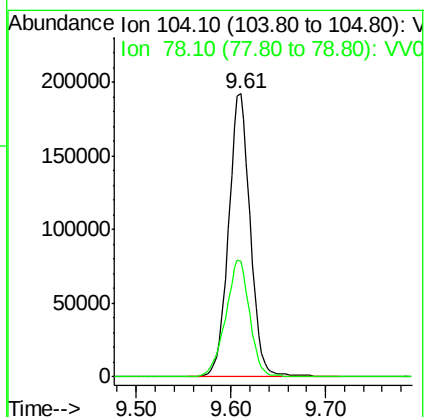
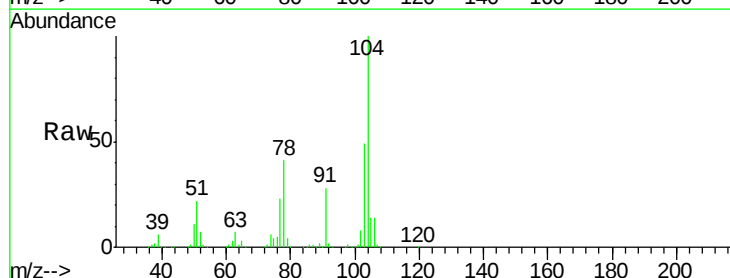
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

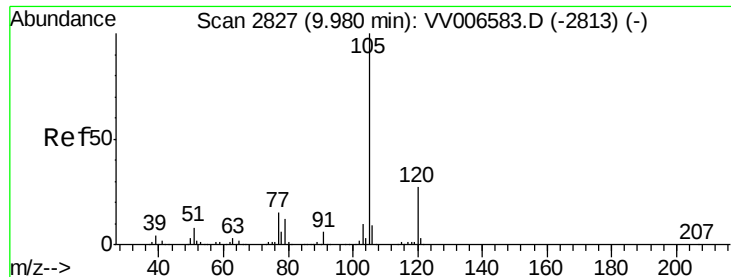
Tgt Ion:106 Resp: 180422
Ion Ratio Lower Upper
106 100
91 208.0 146.1 271.3



#55
Styrene
Concen: 5.190 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006595.D
Acq: 12 Jul 2018 19:27

Tgt Ion:104 Resp: 306943
Ion Ratio Lower Upper
104 100
78 40.7 29.1 54.1





#56

Isopropylbenzene

Concen: 5.165 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

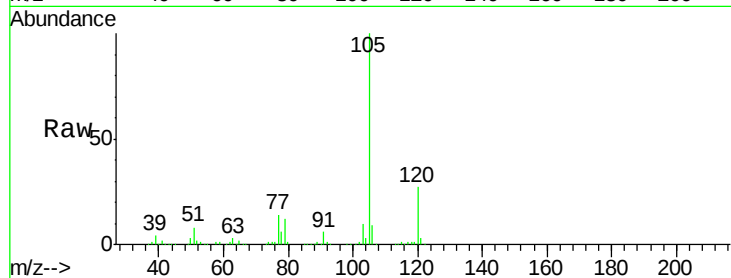
Tgt Ion: 105 Resp: 465924

Ion Ratio Lower Upper

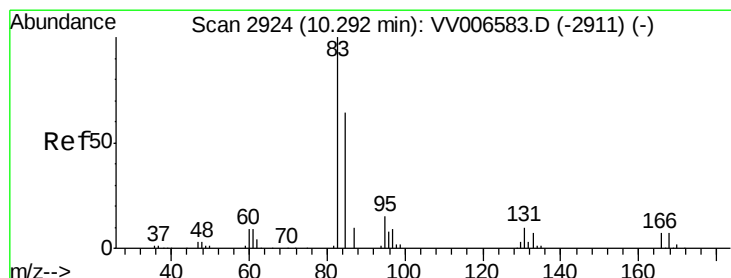
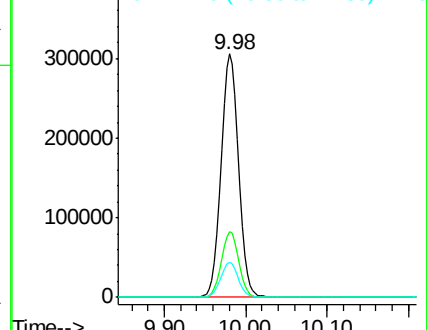
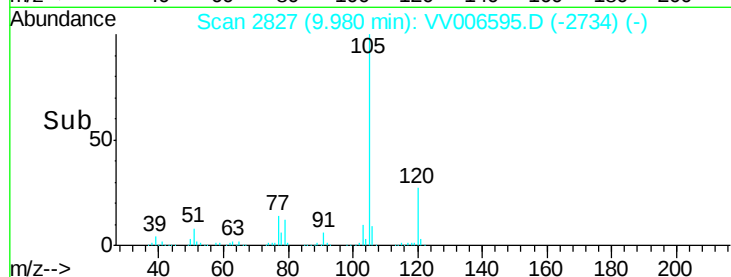
105 100

120 27.0 21.5 32.3

77 14.6 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): VV006595.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.770 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

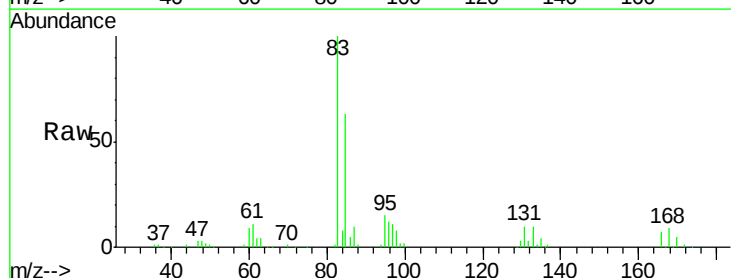
Tgt Ion: 83 Resp: 81282

Ion Ratio Lower Upper

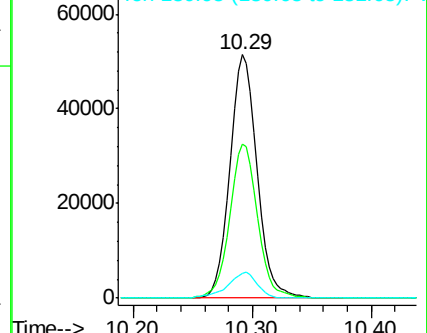
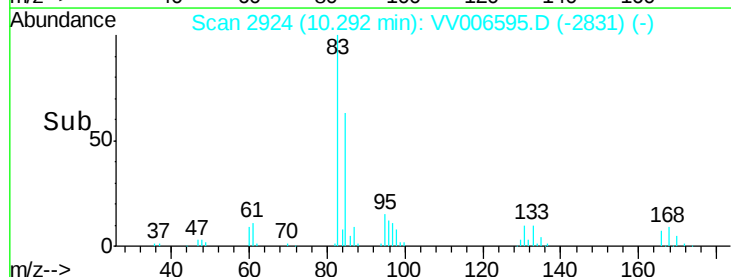
83 100

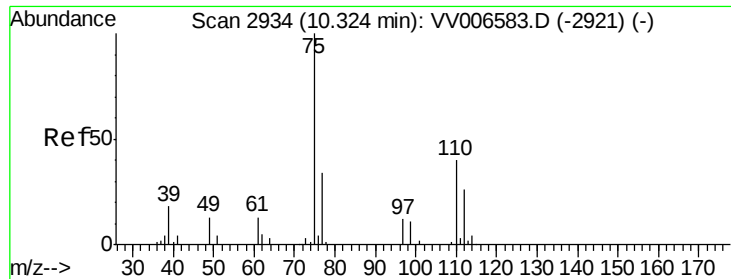
85 63.5 44.7 83.1

131 10.3 8.6 13.0



Abundance Ion 82.95 (82.65 to 83.65): VV006595.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 4.851 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

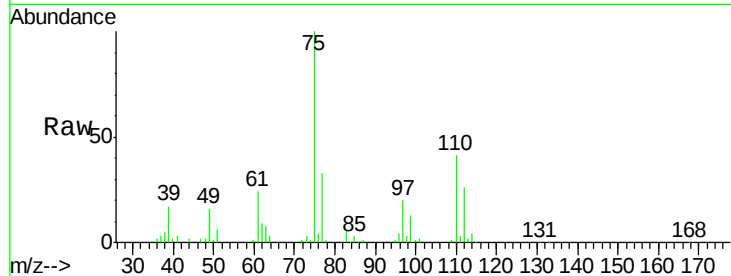
VSTD00572

Tgt Ion: 75 Resp: 59586

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV006583.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006583.D (-2921) (-)

10.32

40000

30000

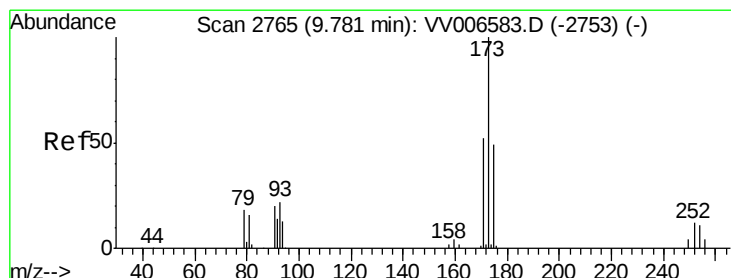
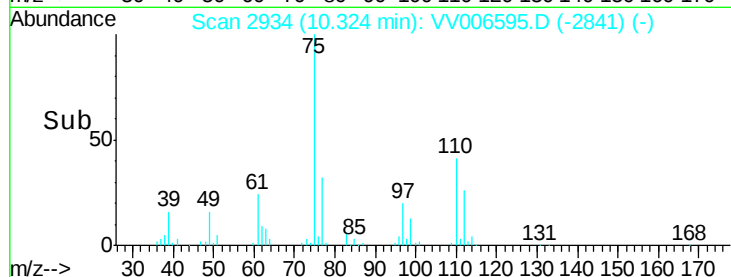
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.608 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

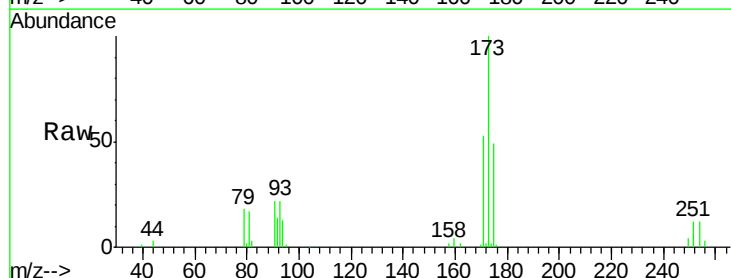
Tgt Ion: 173 Resp: 35822

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 11.6 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV006583.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006583.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006583.D (-2753) (-)

9.78

30000

25000

20000

15000

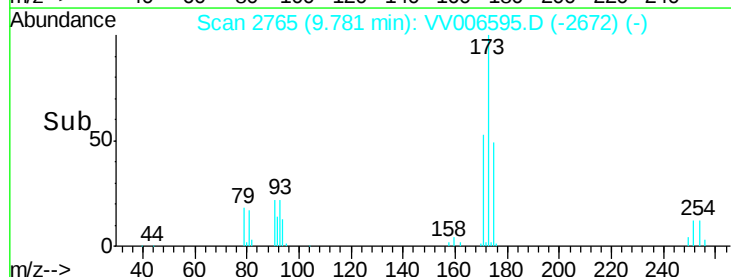
10000

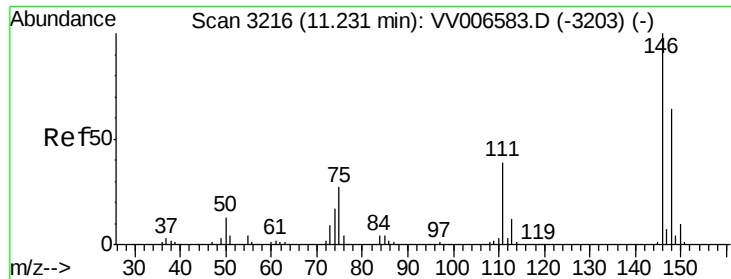
5000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.002 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

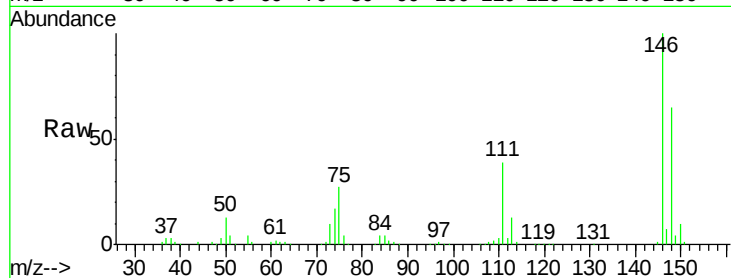
Tgt Ion:146 Resp: 214099

Ion Ratio Lower Upper

146 100

111 39.1 26.9 49.9

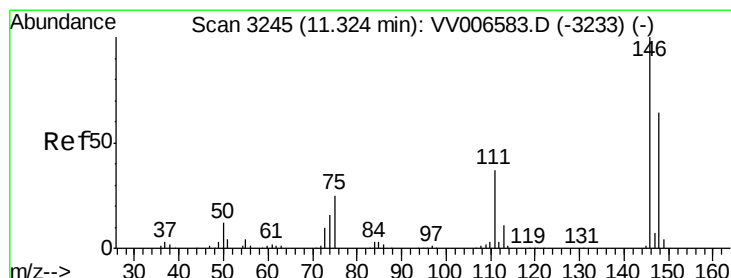
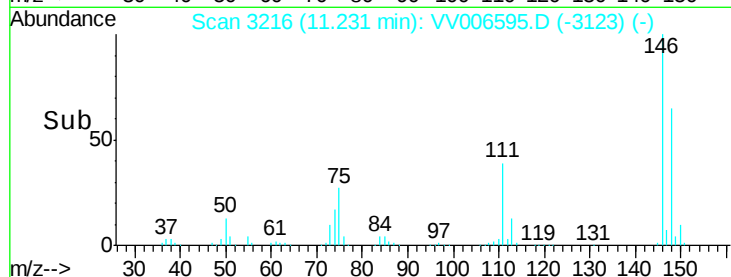
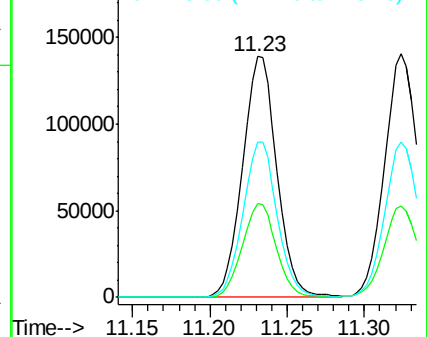
148 64.5 44.4 82.5



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: 5.007 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

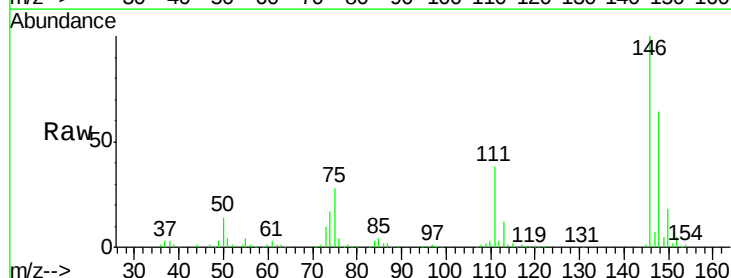
Tgt Ion:146 Resp: 217858

Ion Ratio Lower Upper

146 100

111 37.6 26.0 48.4

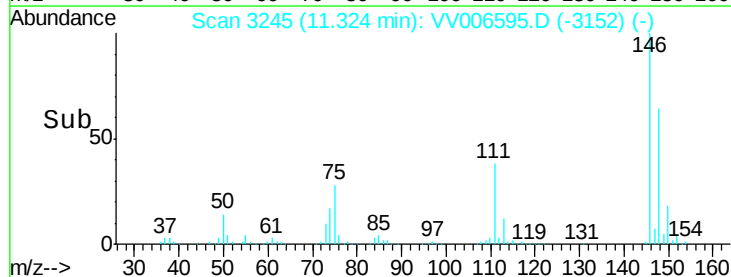
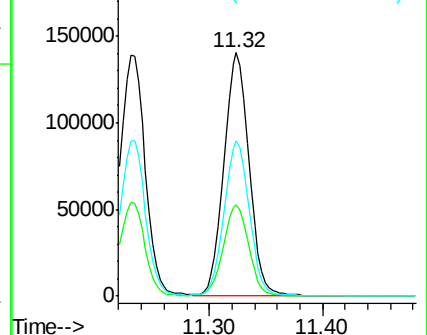
148 64.0 44.2 82.0

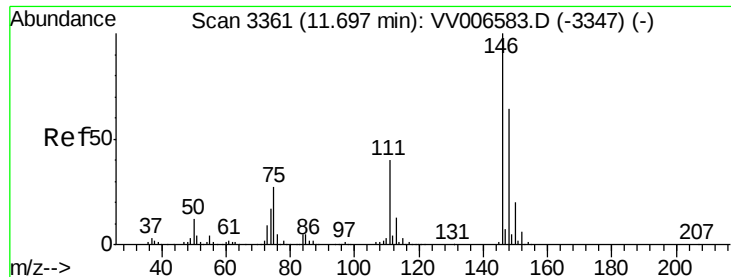


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

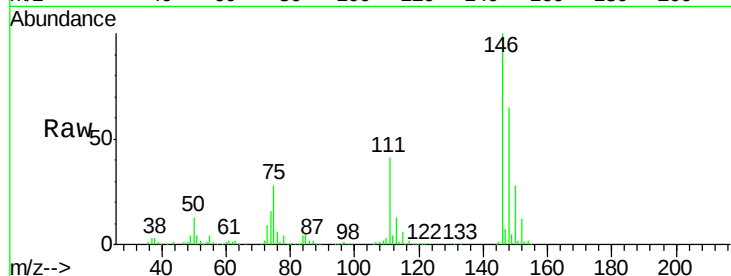




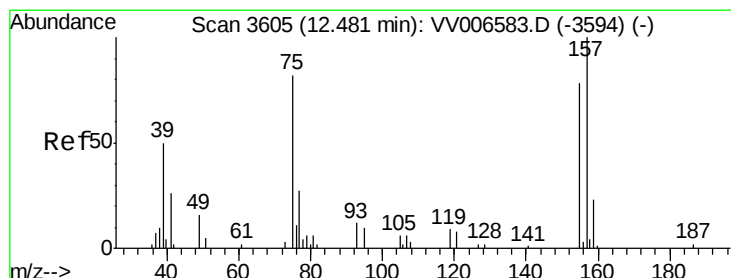
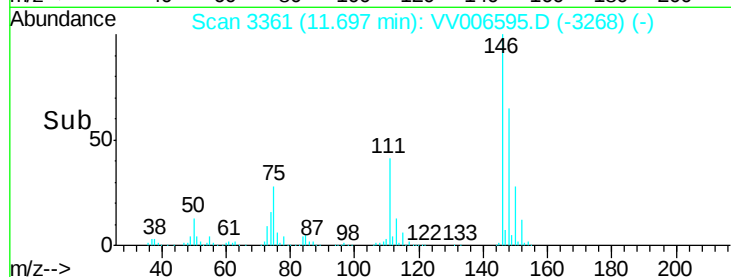
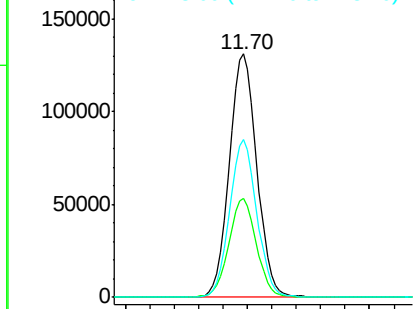
#65
 1,2-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion: 146 Resp: 206711
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 64.8 51.3 76.9

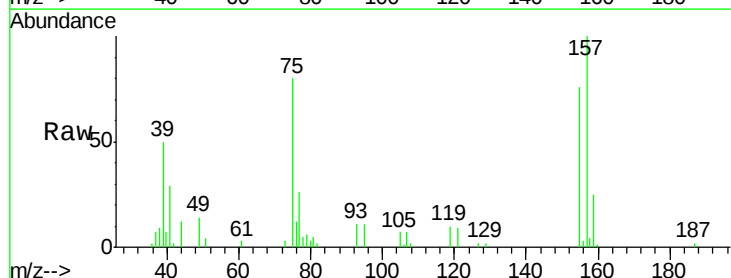


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

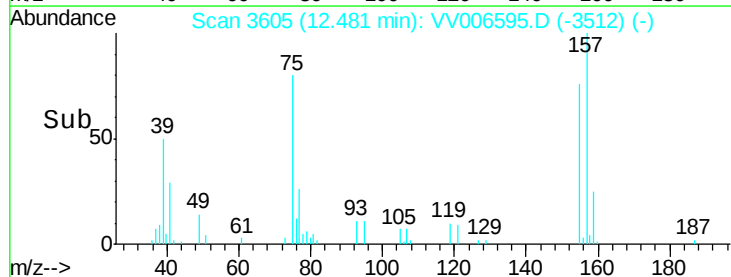
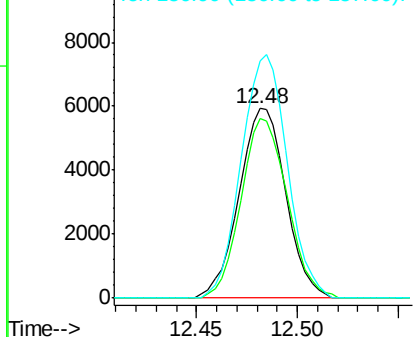


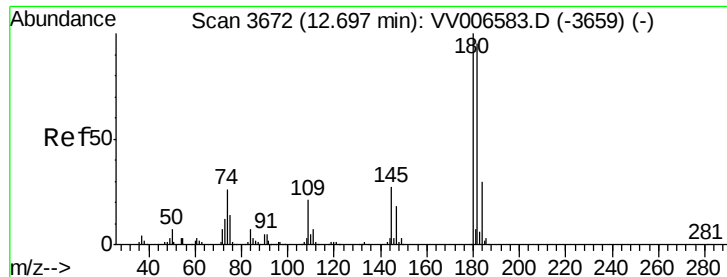
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.350 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Tgt Ion: 75 Resp: 9611
 Ion Ratio Lower Upper
 75 100
 155 94.9 75.4 113.2
 157 124.9 99.6 149.4



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

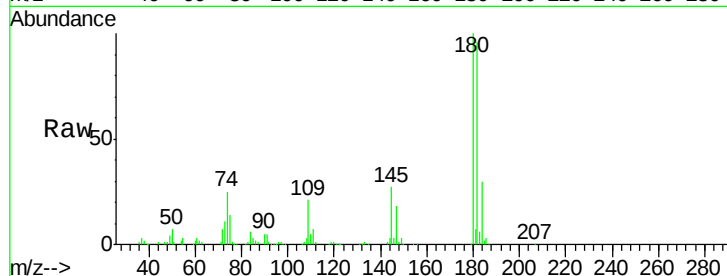




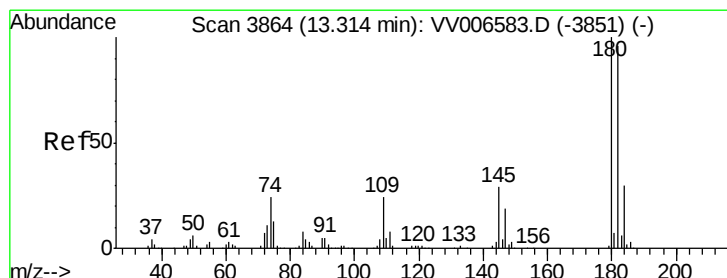
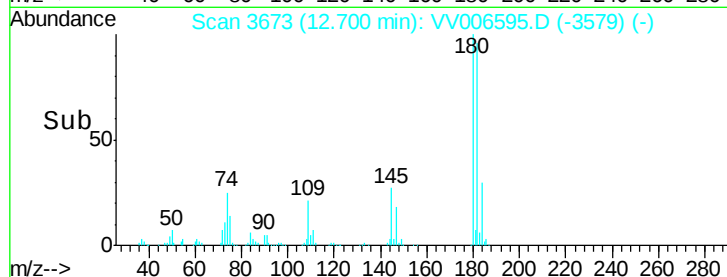
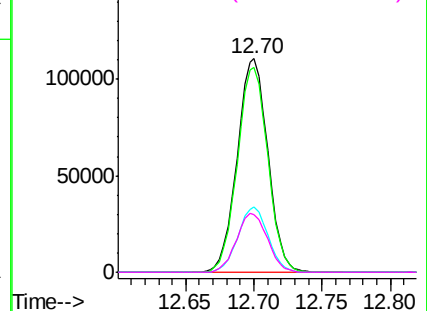
#67
 1,3,5-Trichlorobenzene
 Concen: 5.077 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion:180 Resp: 172154
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 184 30.1 24.1 36.1
 145 27.8 22.3 33.5

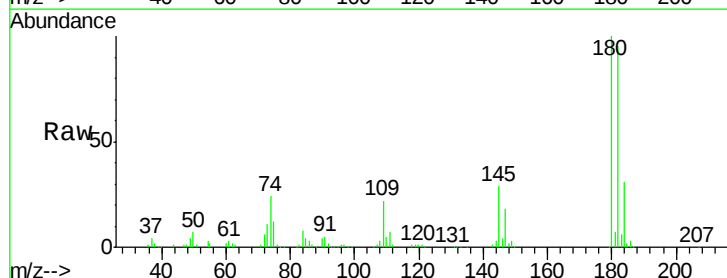


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

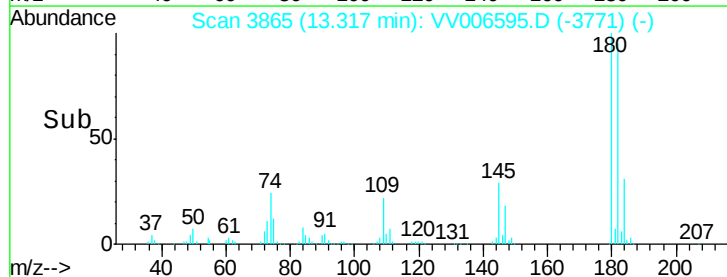
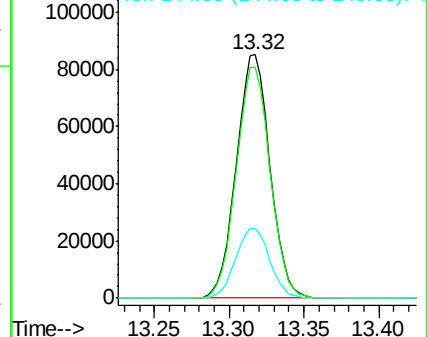


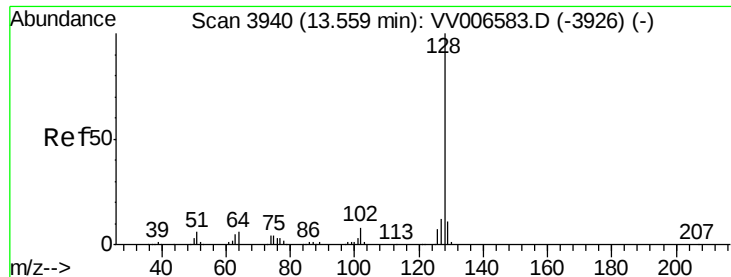
#68
 1,2,4-trichlorobenzene
 Concen: 4.937 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006595.D
 Acq: 12 Jul 2018 19:27

Tgt Ion:180 Resp: 133192
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 29.1 23.0 34.4



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: 4.628 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

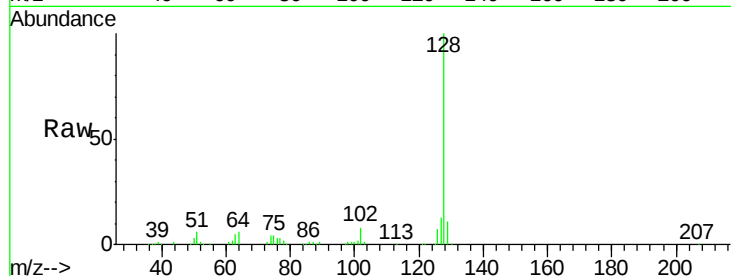
Tgt Ion:128 Resp: 212001

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

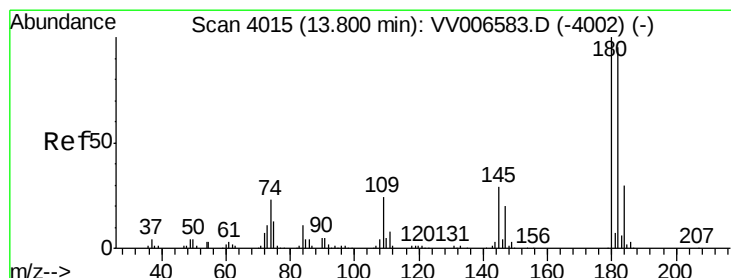
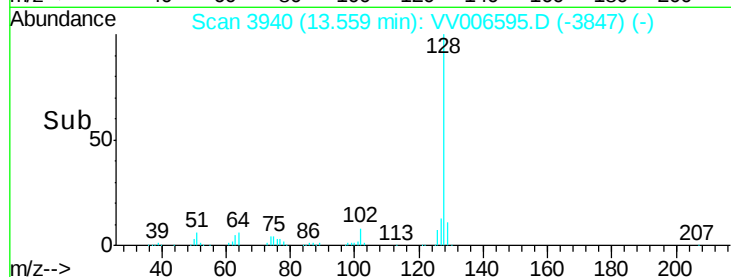
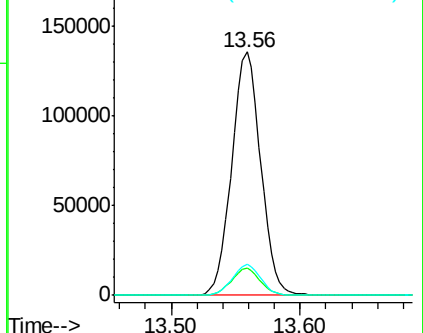
127 12.4 10.2 15.2



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: 4.928 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006595.D

Acq: 12 Jul 2018 19:27

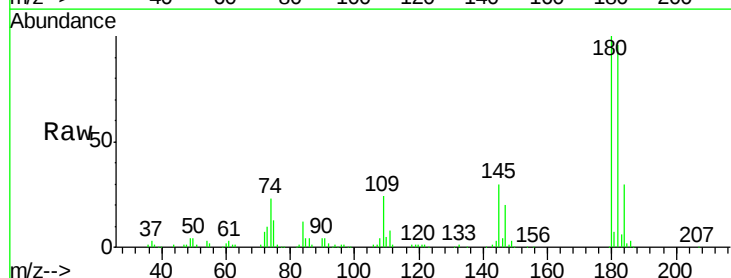
Tgt Ion:180 Resp: 124631

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 30.9 24.7 37.1



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

