

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071318\
 Data File : VV006597.D
 Acq On : 13 Jul 2018 16:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00521

Quant Time: Jul 14 00:25:20 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	355790	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	321369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	155809	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102177	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	81649	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	179399	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	3.97	46	185742	37.80	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.60%
24) Chloroform-d	4.40	84	172638	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.09	65	75967	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.10	84	368917	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	108255	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	347865	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.67	79	36749	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.14	63	163487	40.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.28%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	73929	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	123878	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	125679	4.504 ug/L	99
3) Chloromethane	1.26	50	128321	3.760 ug/L	100
5) Vinyl chloride	1.32	62	134258	4.239 ug/L	100
6) Bromomethane	1.54	94	70045	4.771 ug/L	100
8) Chloroethane	1.60	64	80854	4.205 ug/L	100
9) Trichlorofluoromethane	1.77	101	159964	4.488 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108286	4.918 ug/L	99
12) 1,1-Dichloroethene	2.14	96	100277	4.501 ug/L	92
13) Acetone	2.22	43	121964	39.249 ug/L	97
14) Carbon disulfide	2.32	76	271621	4.077 ug/L	99
15) Methyl Acetate	2.47	43	34307	3.750 ug/L	99
16) Methylene chloride	2.54	84	106431	4.237 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	224283	4.250 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	108845	4.479 ug/L	96
19) 1,1-Dichloroethane	3.23	63	187083	4.436 ug/L	99
21) 2-Butanone	4.05	43	210260	41.239 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	116648	4.468 ug/L	95

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 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

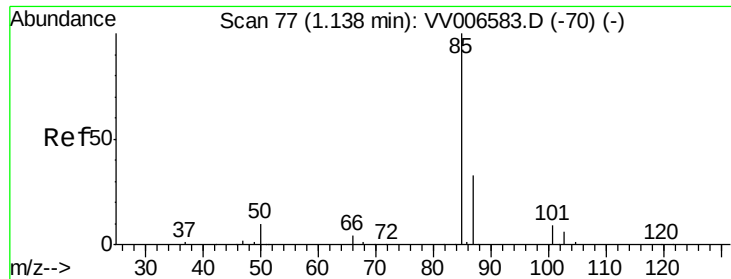
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00521

Quant Time: Jul 14 00:25:20 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)

23) Bromochloromethane	4.31	128	47451	4.437	ug/L	96
25) Chloroform	4.43	83	187042	4.458	ug/L	99
27) 1,2-Dichloroethane	5.19	62	99265	4.166	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	155188	4.609	ug/L	99
30) Cyclohexane	4.73	56	167564	4.677	ug/L	98
31) Carbon tetrachloride	4.88	117	132512	4.704	ug/L	99
33) Benzene	5.15	78	438479	4.571	ug/L	100
34) Trichloroethene	5.96	95	113570	4.616	ug/L	97
35) Methylcyclohexane	6.18	83	194780	4.917	ug/L	96
37) 1,2-Dichloropropane	6.22	63	103710	4.421	ug/L	99
38) Bromodichloromethane	6.56	83	115058	4.350	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	142031	4.510	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	481184	40.464	ug/L	98
42) Toluene	7.43	91	467271	4.684	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	108138	4.449	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	72293	4.404	ug/L	99
47) Tetrachloroethene	8.02	164	96440	4.767	ug/L	98
48) 2-Hexanone	8.19	43	344310	40.834	ug/L	99
49) Dibromochloromethane	8.30	129	74775	4.368	ug/L	99
50) 1,2-Dibromoethane	8.40	107	64667	4.328	ug/L	97
51) Chlorobenzene	8.93	112	304373	4.664	ug/L	99
52) Ethylbenzene	9.06	91	505495	4.769	ug/L	99
53) m,p-xylene	9.19	106	198395	4.858	ug/L	99
54) o-xylene	9.59	106	191788	4.798	ug/L	98
55) Styrene	9.61	104	322563	4.799	ug/L	100
56) Isopropylbenzene	9.98	105	503216	4.908	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	78927	4.075	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	57680	4.132	ug/L	98
61) Bromoform	9.78	173	37394	4.190	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	230409	4.689	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	233488	4.674	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	217996	4.592	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9803	3.864	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	186780	4.798	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	144949	4.679	ug/L	99
69) Naphthalene	13.56	128	220721	4.196	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	134828	4.643	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.504 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

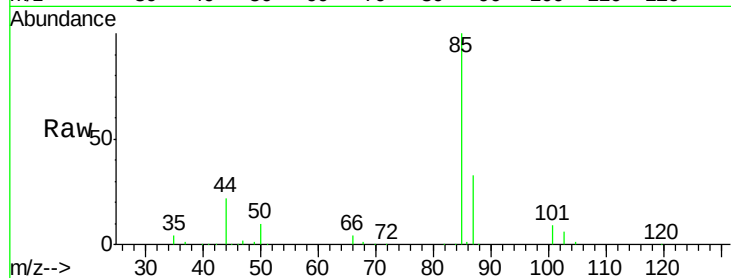
VSTD00521

Tgt Ion: 85 Resp: 125679

Ion Ratio Lower Upper

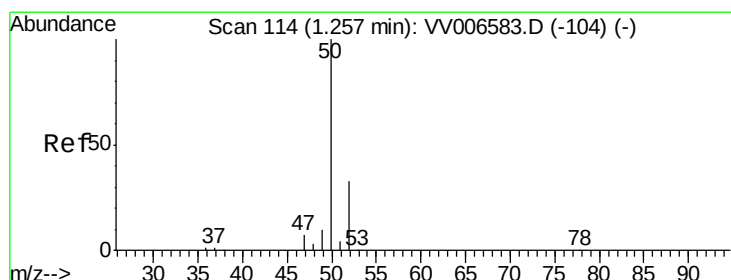
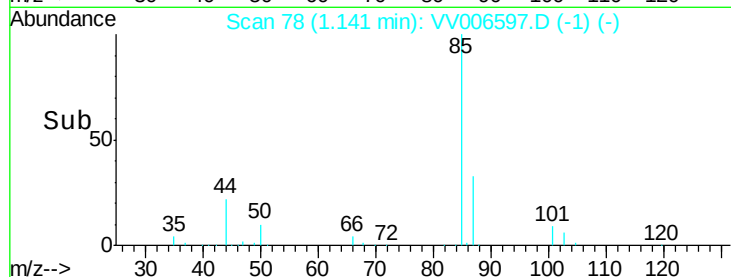
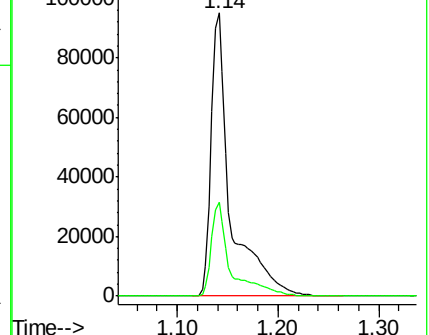
85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 3.760 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006597.D

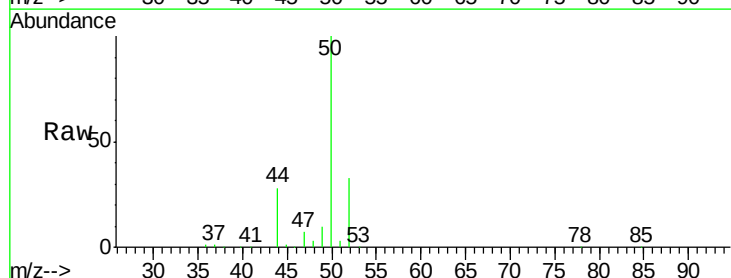
Acq: 13 Jul 2018 16:32

Tgt Ion: 50 Resp: 128321

Ion Ratio Lower Upper

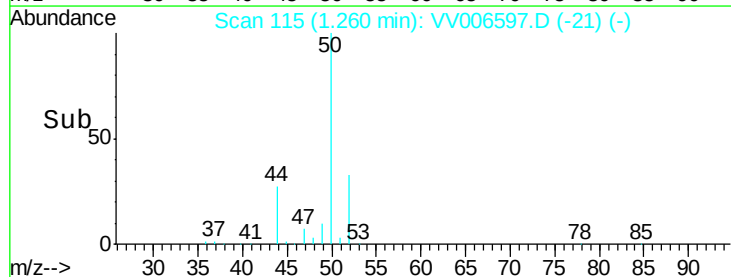
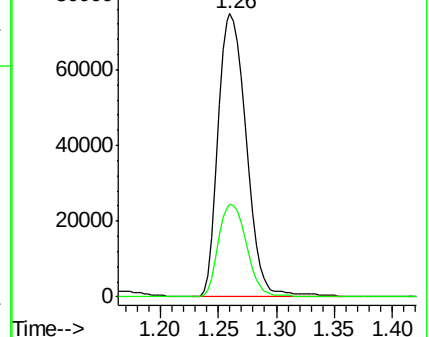
50 100

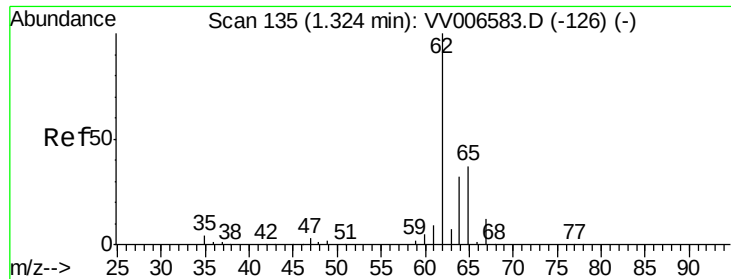
52 32.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.239 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

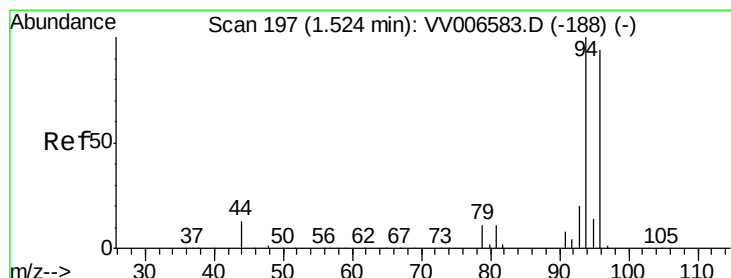
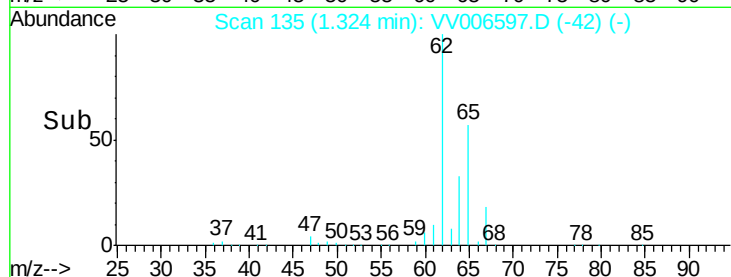
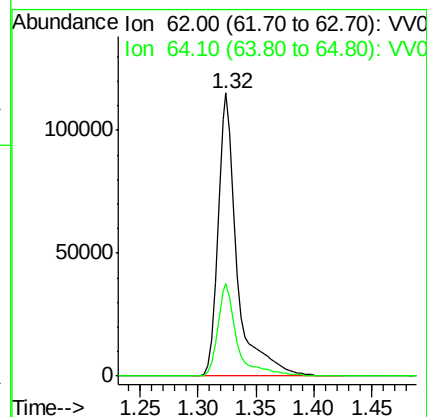
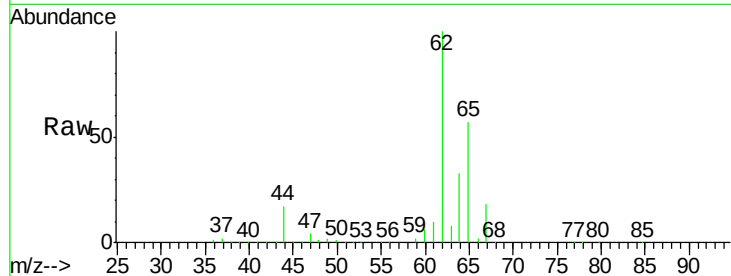
VSTD00521

Tgt Ion: 62 Resp: 134258

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 4.771 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.02 min

Lab File: VV006597.D

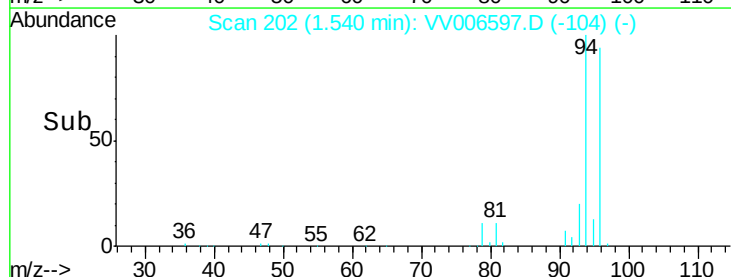
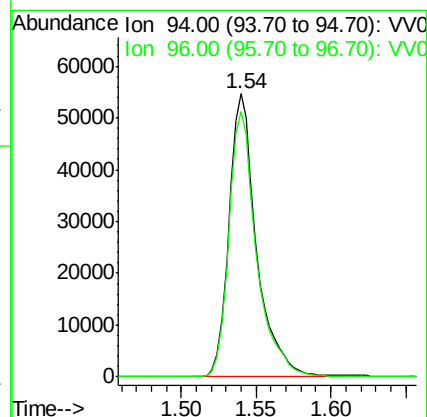
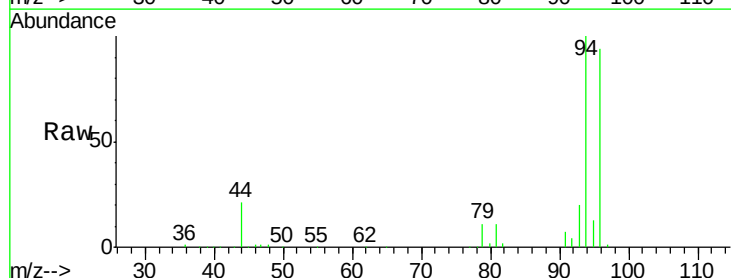
Acq: 13 Jul 2018 16:32

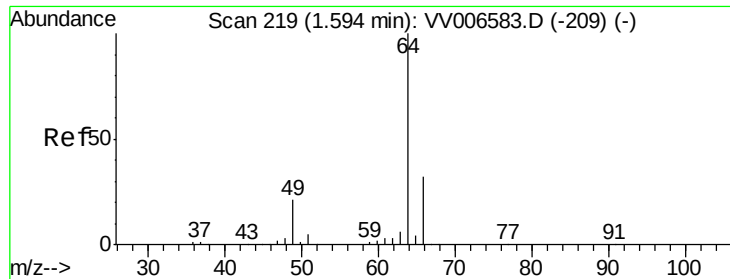
Tgt Ion: 94 Resp: 70045

Ion Ratio Lower Upper

94 100

96 93.8 65.7 122.1

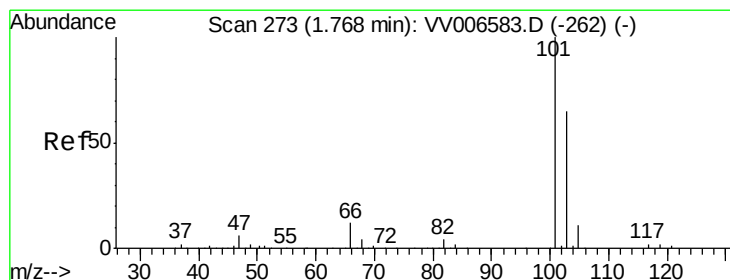
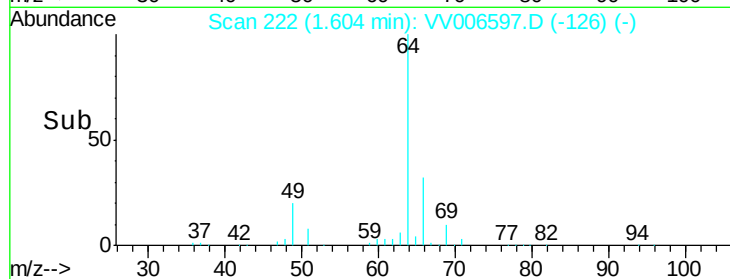
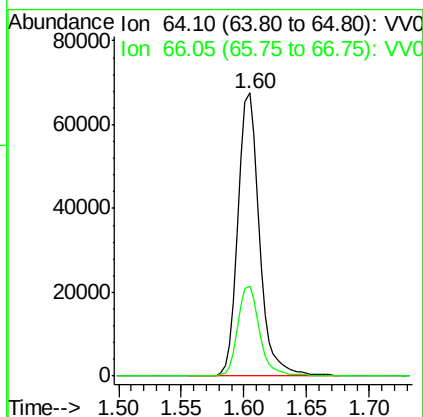
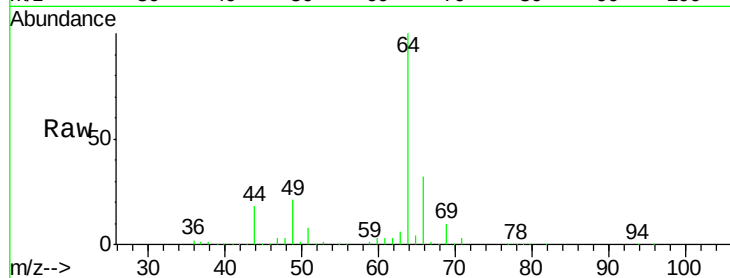




#8
Chloroethane
Concen: 4.205 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.01 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

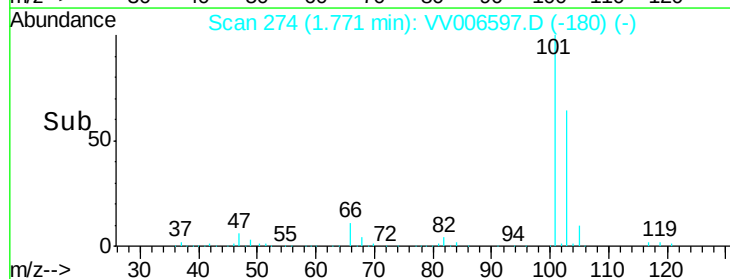
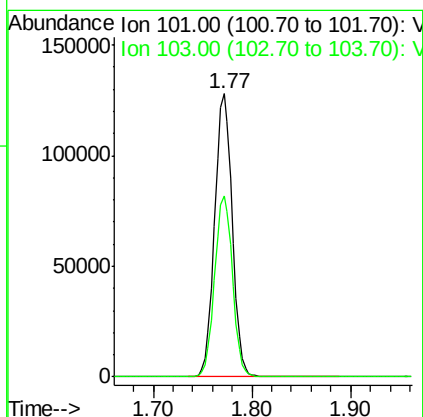
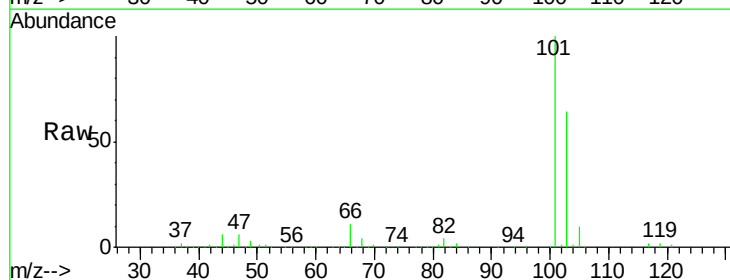
Instrument :
MSVOA_V
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VSTD00521

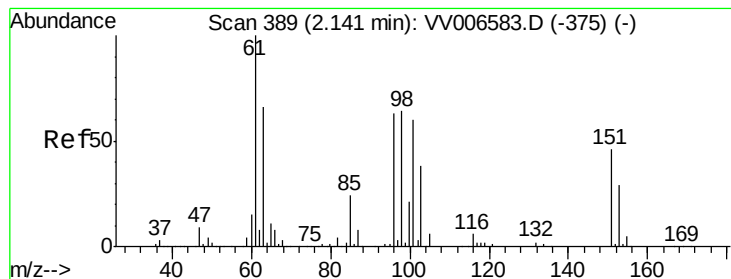
Tgt Ion: 64 Resp: 80854
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.488 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion: 101 Resp: 159964
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 4.918 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampled :

VSTD00521

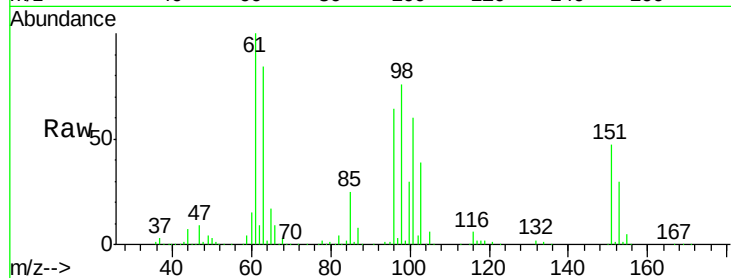
Tgt Ion: 101 Resp: 108286

Ion Ratio Lower Upper

101 100

85 40.5 33.1 49.7

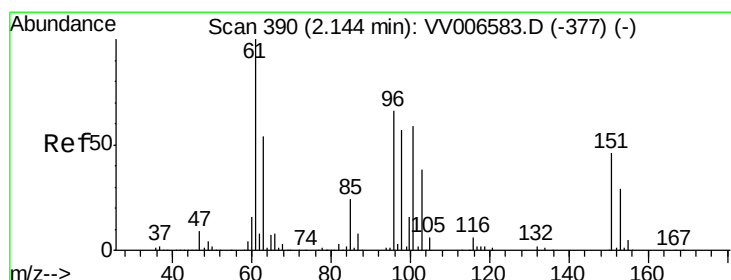
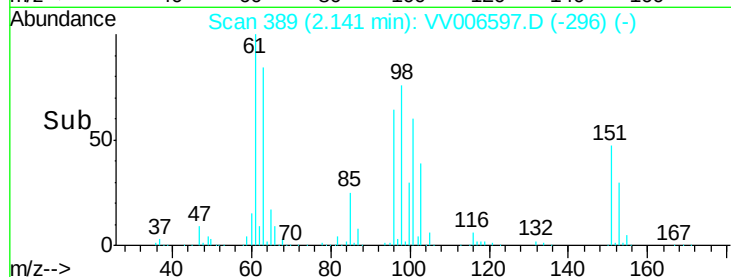
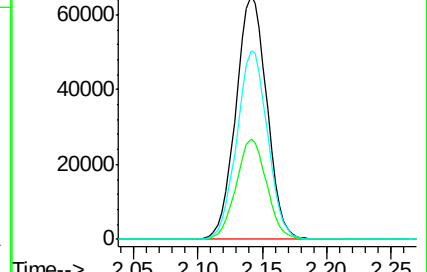
151 77.2 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006583.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006583.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006583.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.501 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

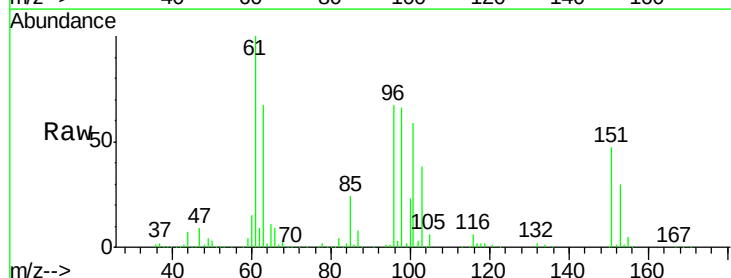
Tgt Ion: 96 Resp: 100277

Ion Ratio Lower Upper

96 100

61 150.2 110.7 205.7

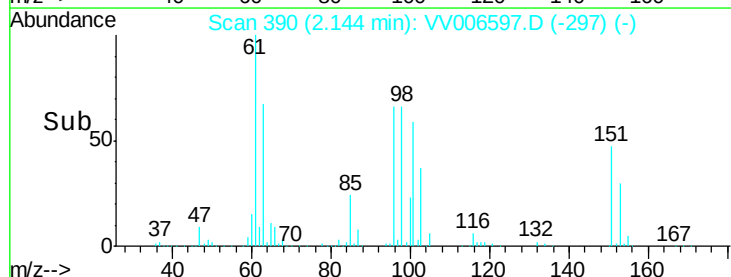
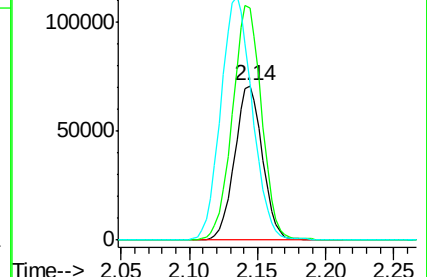
63 101.3 79.0 146.8

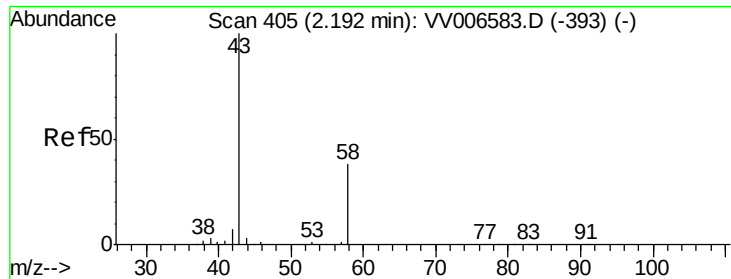


Abundance Ion 96.00 (95.70 to 96.70): VV006583.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006583.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006583.D (-377) (-)





#13

Acetone

Concen: 39.249 ug/L

RT: 2.22 min Scan# 413

Delta R.T. 0.03 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

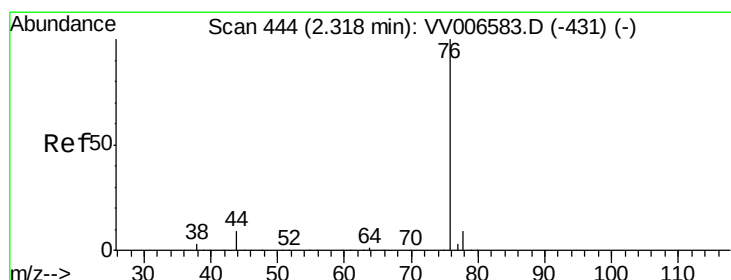
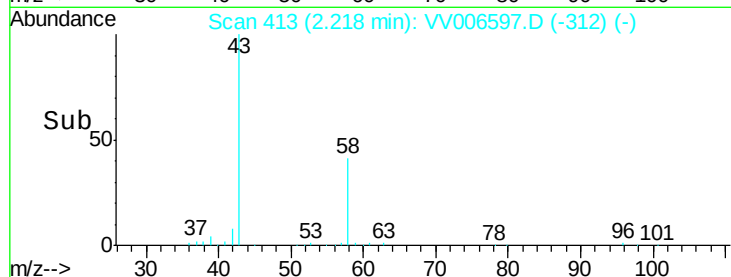
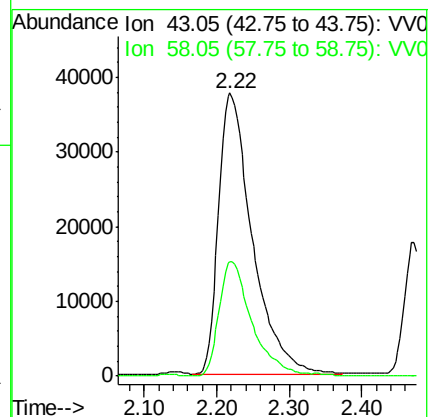
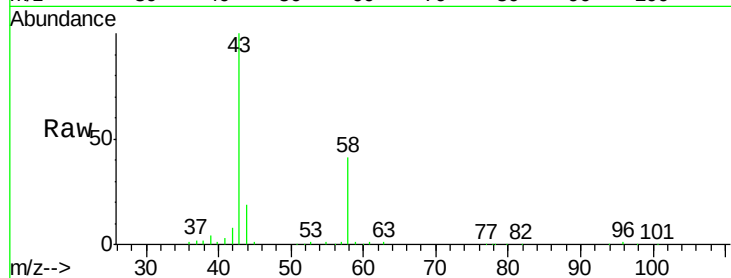
VSTD00521

Tgt Ion: 43 Resp: 121964

Ion Ratio Lower Upper

43 100

58 39.6 0.0 76.2



#14

Carbon disulfide

Concen: 4.077 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006597.D

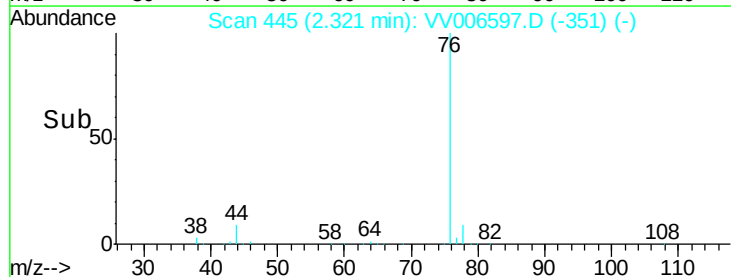
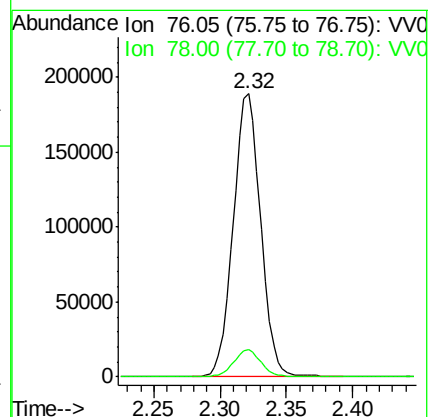
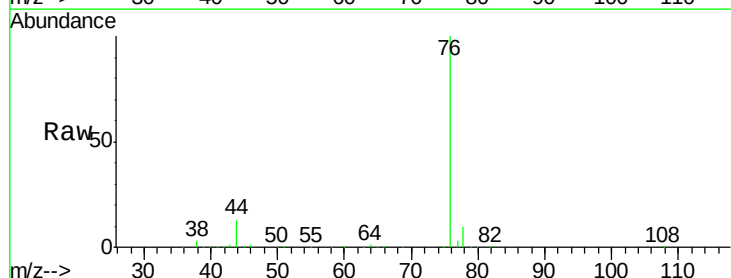
Acq: 13 Jul 2018 16:32

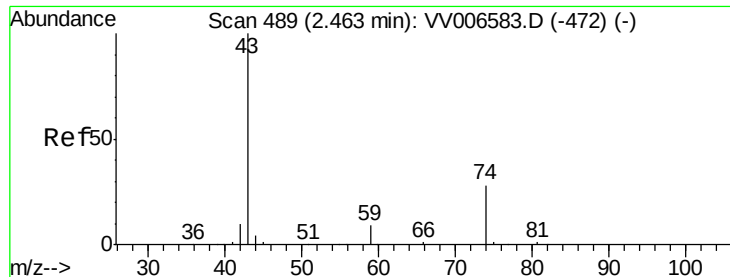
Tgt Ion: 76 Resp: 271621

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

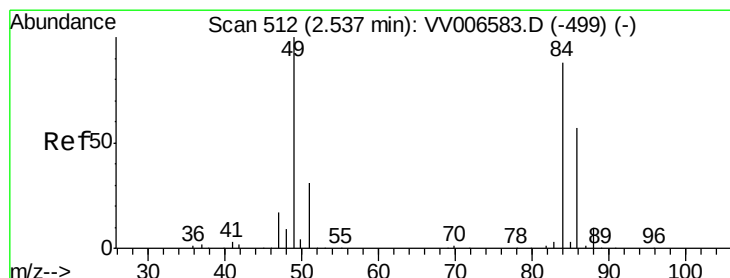
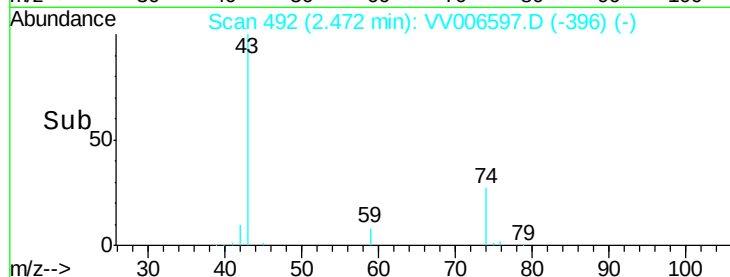
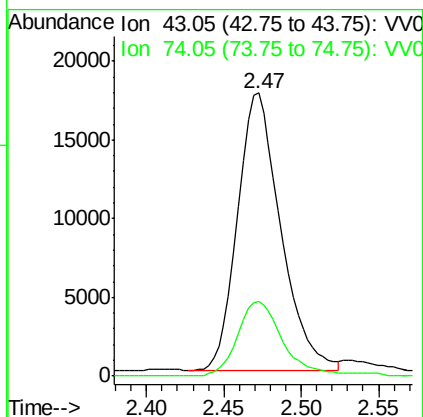
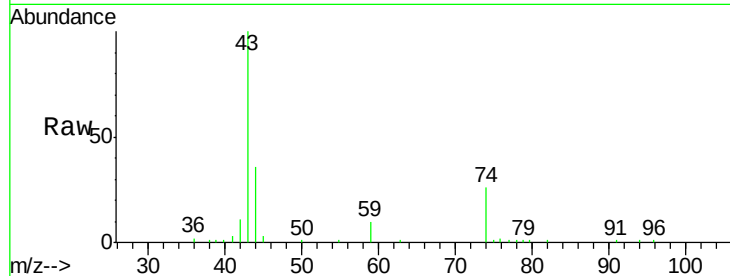




#15
Methyl Acetate
Concen: 3.750 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.01 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

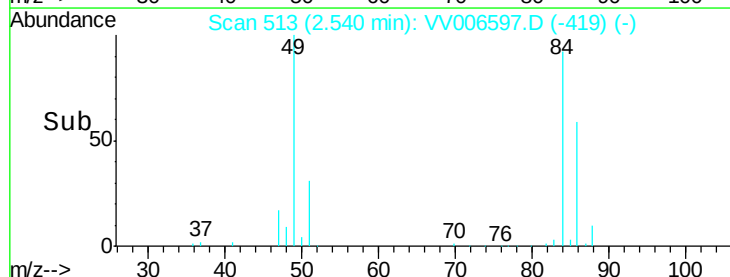
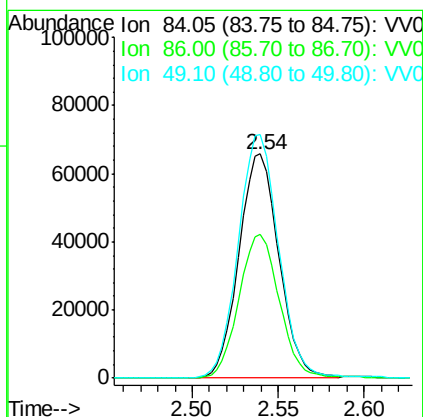
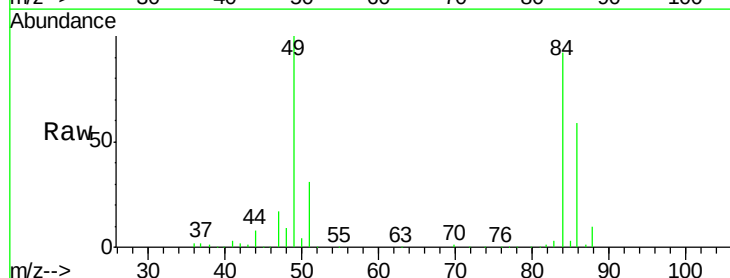
Instrument :
MSVOA_V
ClientSampleId :
VSTD00521

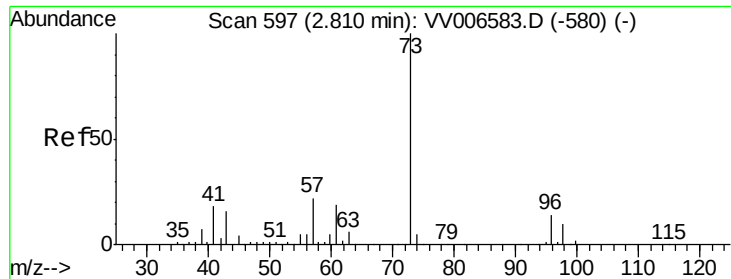
Tgt Ion: 43 Resp: 34307
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.6



#16
Methylene chloride
Concen: 4.237 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion: 84 Resp: 106431
Ion Ratio Lower Upper
84 100
86 64.1 44.7 82.9
49 108.6 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 4.250 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

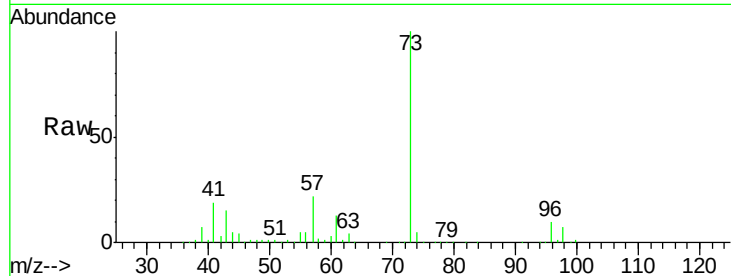
Tgt Ion: 73 Resp: 224283

Ion Ratio Lower Upper

73 100

43 15.4 12.5 18.7

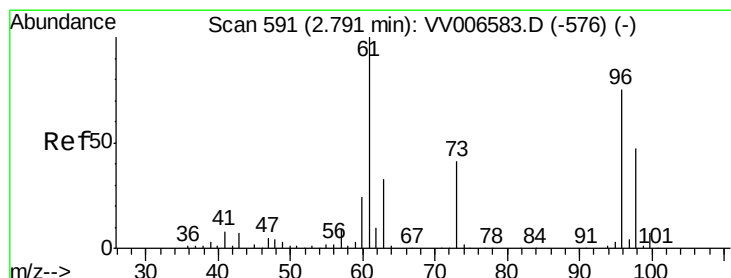
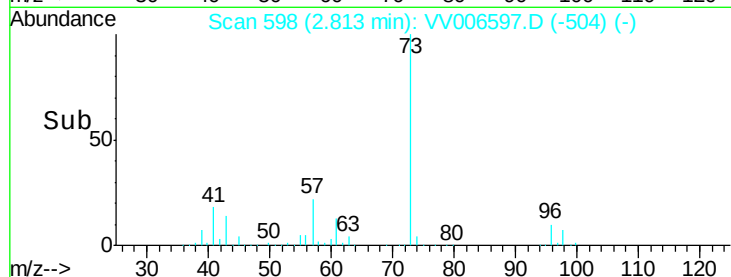
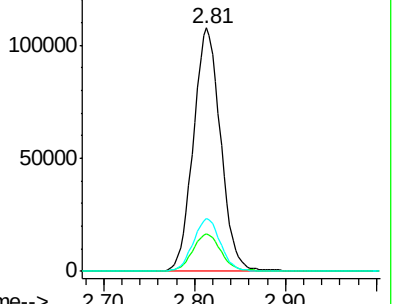
57 21.8 17.7 26.5



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: 4.479 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

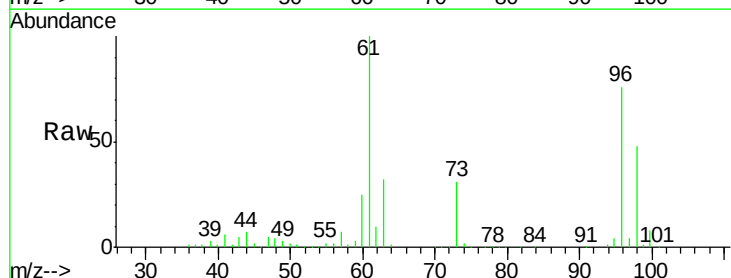
Tgt Ion: 96 Resp: 108845

Ion Ratio Lower Upper

96 100

61 131.5 96.5 179.3

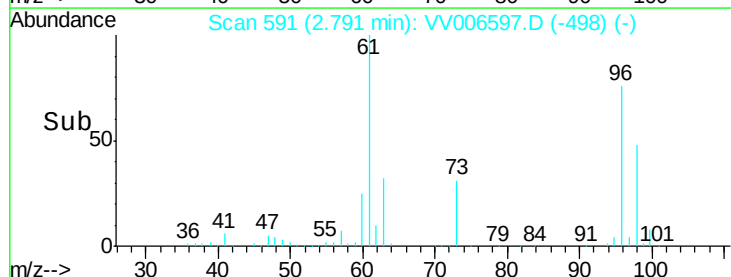
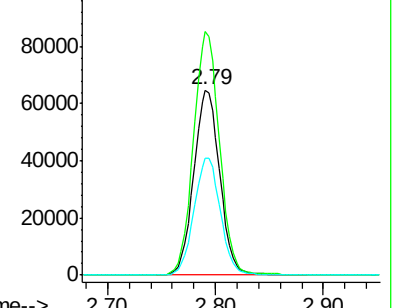
98 63.4 45.1 83.7

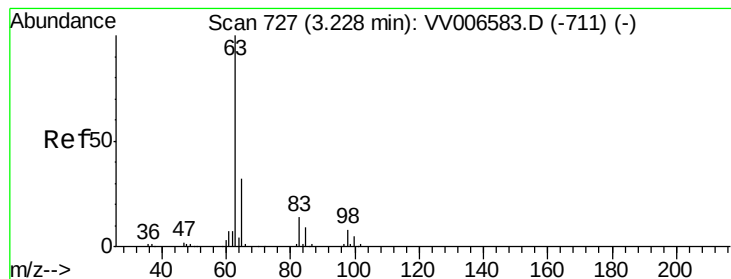


Abundance Ion 96.00 (95.70 to 96.70): VV006583.D (-576) (-)

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: 4.436 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

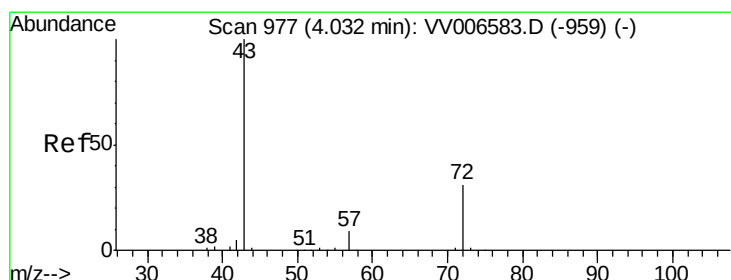
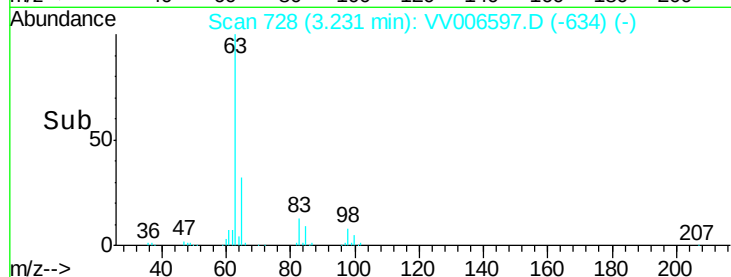
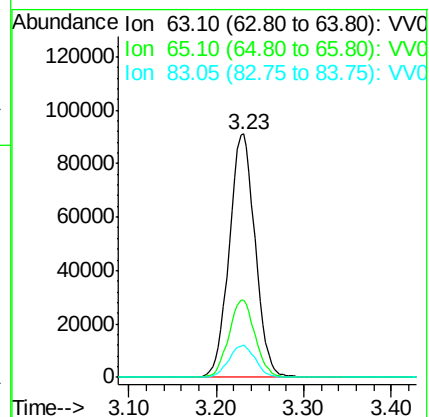
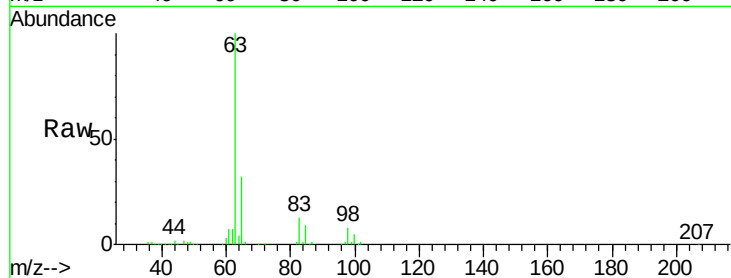
Tgt Ion: 63 Resp: 187083

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 13.1 9.5 17.7



#21

2-Butanone

Concen: 41.239 ug/L

RT: 4.05 min Scan# 984

Delta R.T. 0.02 min

Lab File: VV006597.D

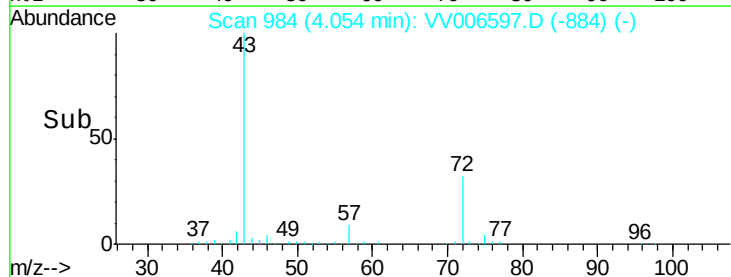
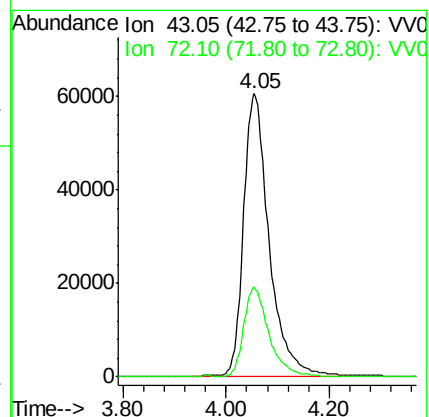
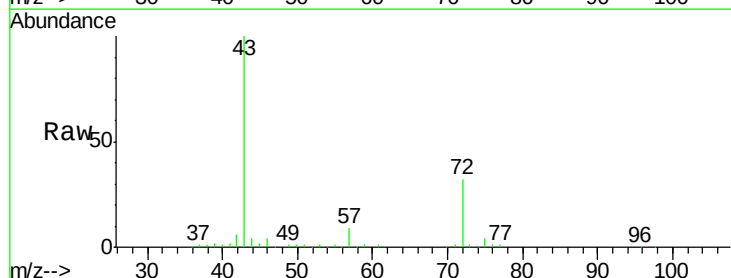
Acq: 13 Jul 2018 16:32

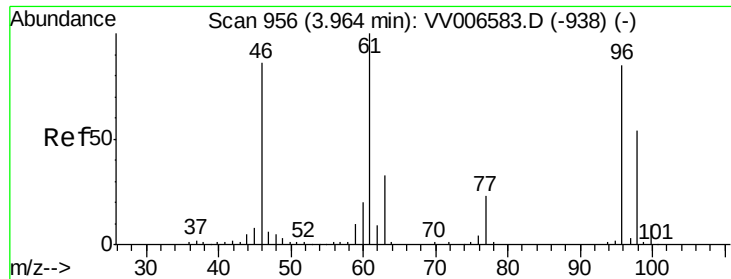
Tgt Ion: 43 Resp: 210260

Ion Ratio Lower Upper

43 100

72 31.3 15.1 45.3



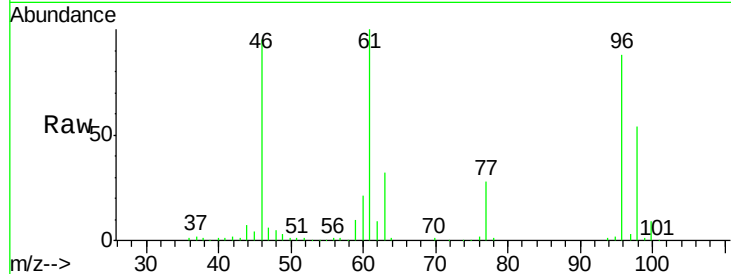


#22

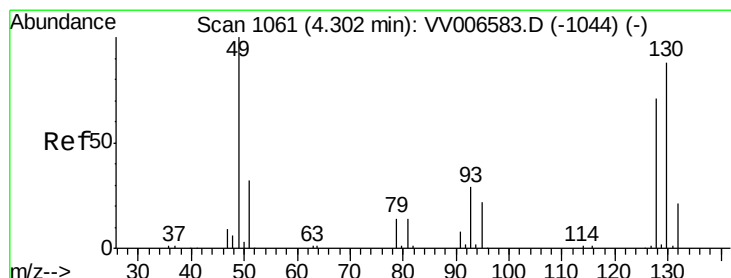
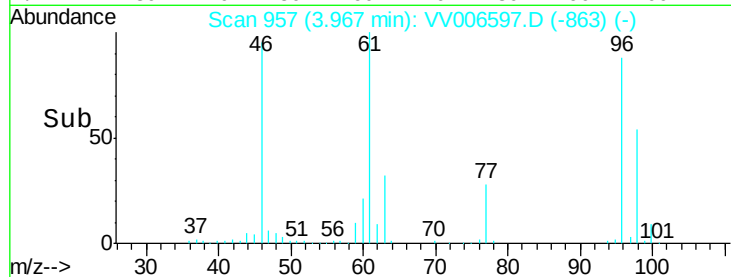
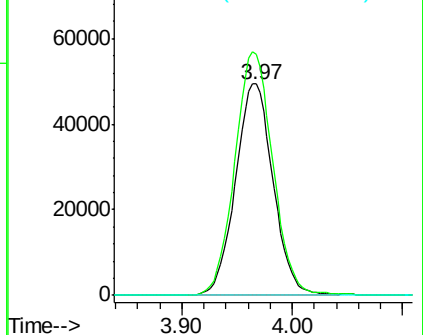
cis-1,2-Dichloroethene
Concen: 4.468 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00521

Tgt Ion: 96 Resp: 116648
Ion Ratio Lower Upper
96 100
61 114.0 83.8 155.6
68 0.0 0.0 0.0



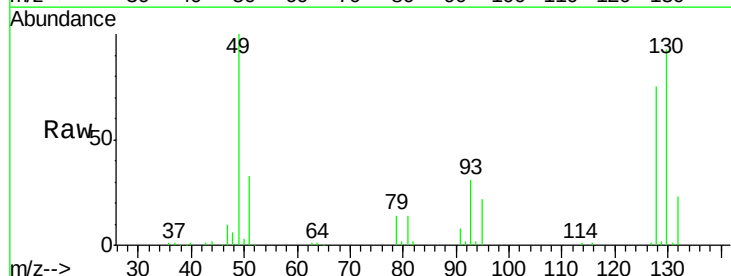
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



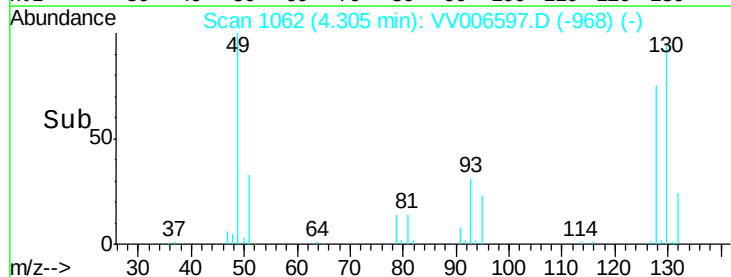
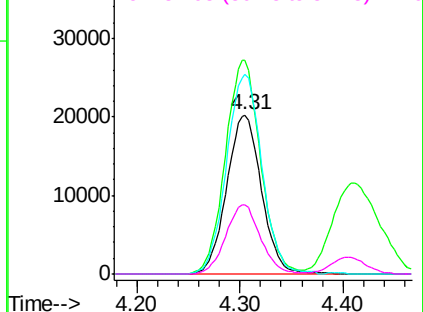
#23

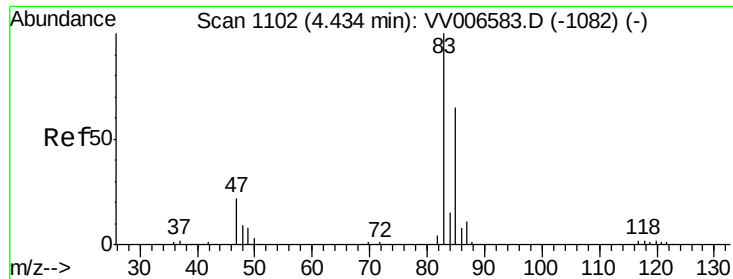
Bromochloromethane
Concen: 4.437 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion: 128 Resp: 47451
Ion Ratio Lower Upper
128 100
49 134.2 98.8 183.4
130 125.2 89.5 166.1
51 43.8 36.2 54.2



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

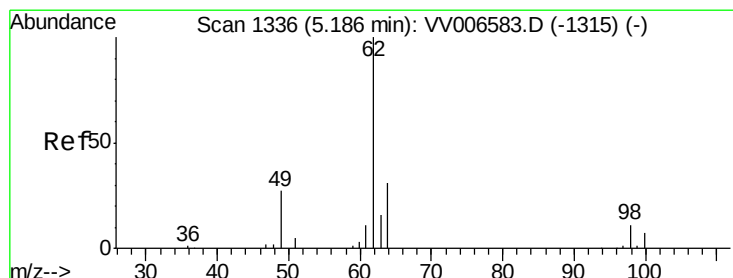
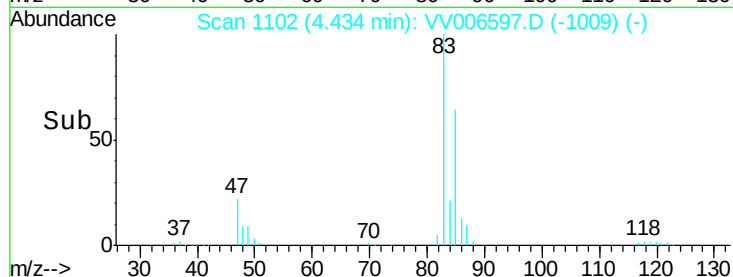
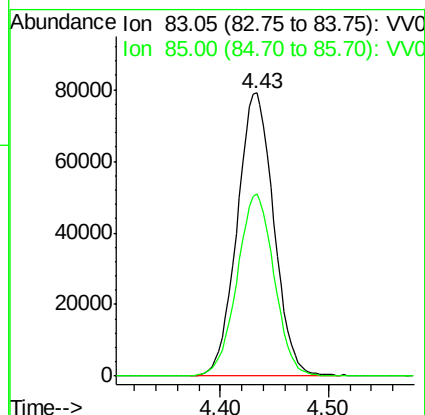
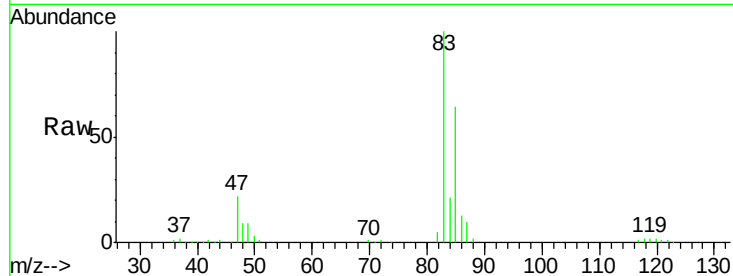




#25
Chloroform
Concen: 4.458 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

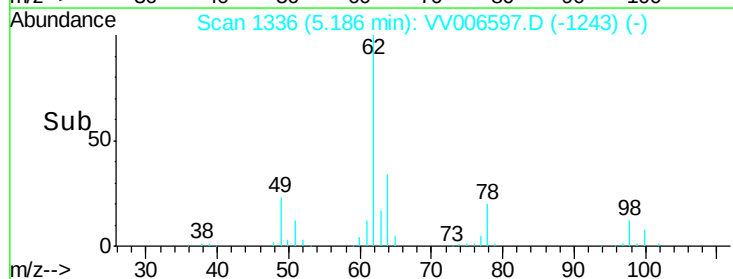
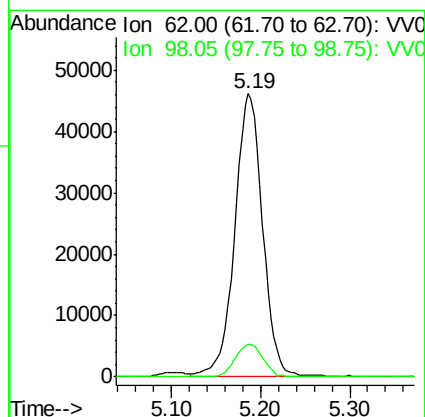
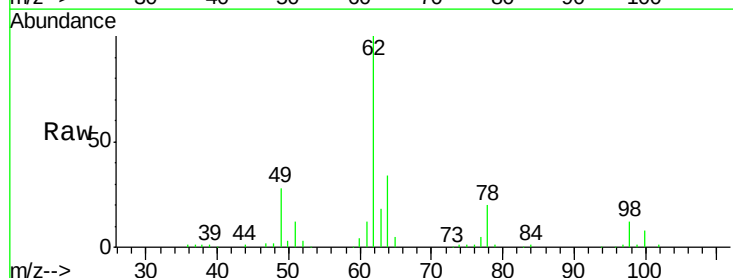
Instrument :
MSVOA_V
ClientSampleId :
VSTD00521

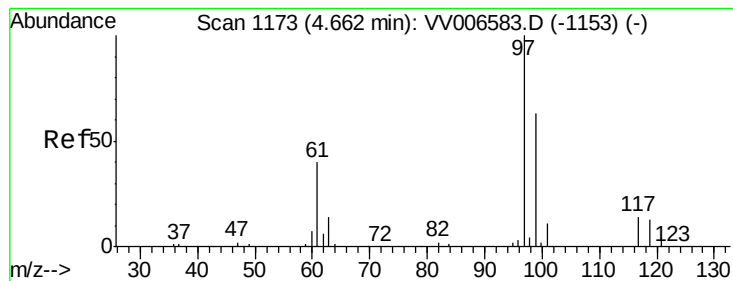
Tgt Ion: 83 Resp: 187042
Ion Ratio Lower Upper
83 100
85 64.4 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.166 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion: 62 Resp: 99265
Ion Ratio Lower Upper
62 100
98 11.6 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 4.609 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

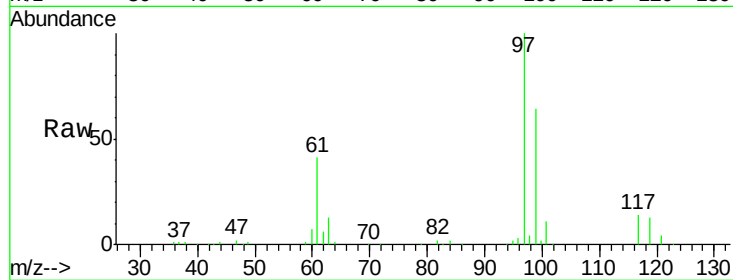
Tgt Ion: 97 Resp: 155188

Ion Ratio Lower Upper

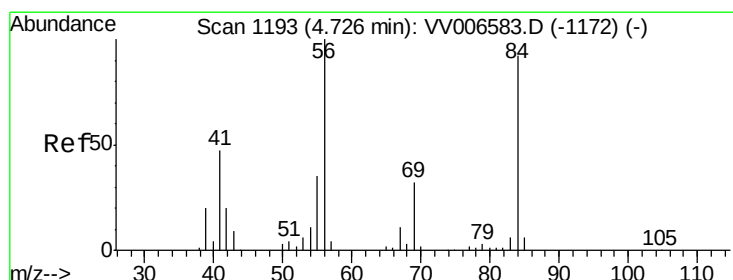
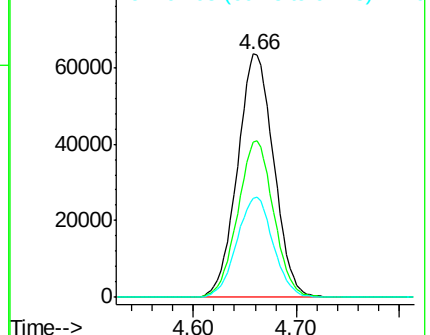
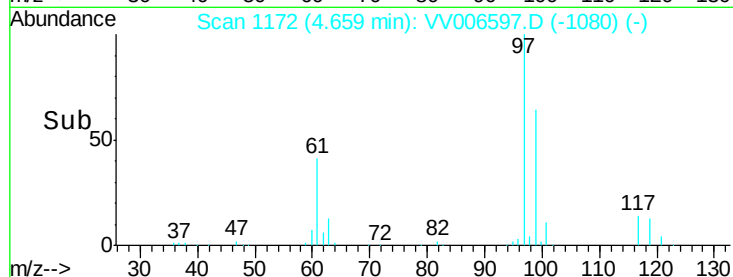
97 100

99 63.6 51.2 76.8

61 41.1 33.7 50.5



Abundance Ion 96.95 (96.65 to 97.65): VV006597.D (-1080) (-)



#30

Cyclohexane

Concen: 4.677 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

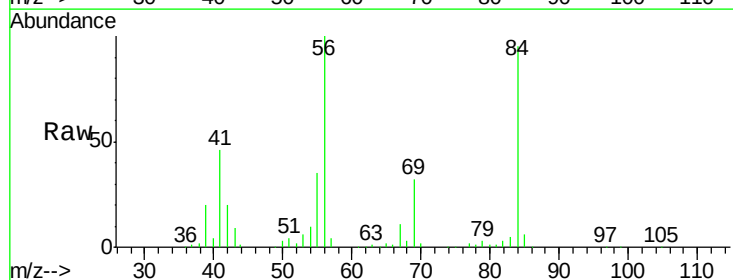
Tgt Ion: 56 Resp: 167564

Ion Ratio Lower Upper

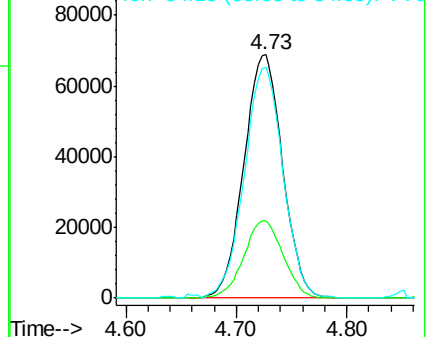
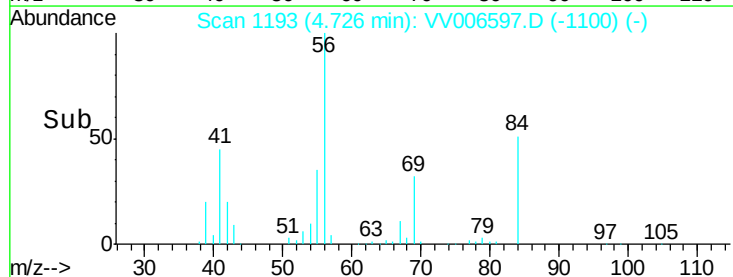
56 100

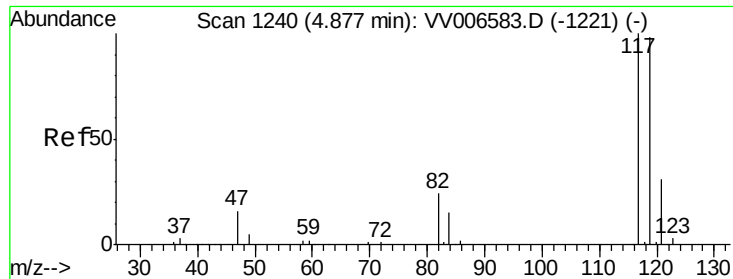
69 32.5 25.5 38.3

84 95.1 74.7 112.1



Abundance Ion 56.10 (55.80 to 56.80): VV006597.D (-1100) (-)





#31

Carbon tetrachloride

Concen: 4.704 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

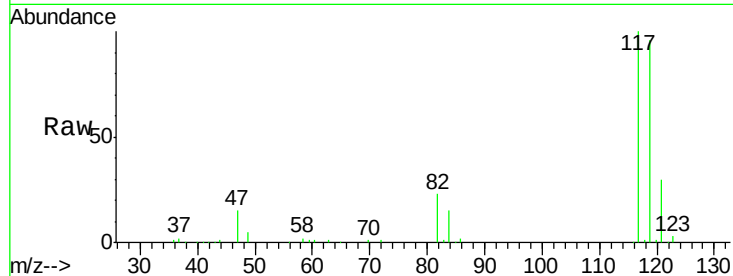
VSTD00521

Tgt Ion:117 Resp: 132512

Ion Ratio Lower Upper

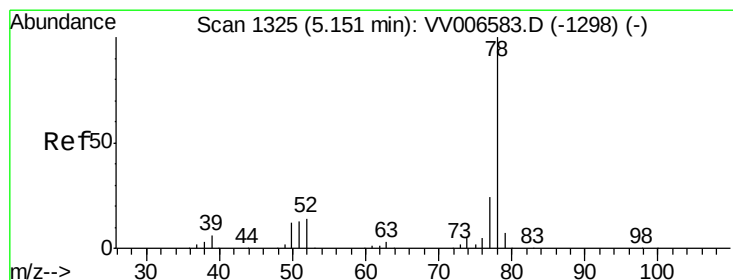
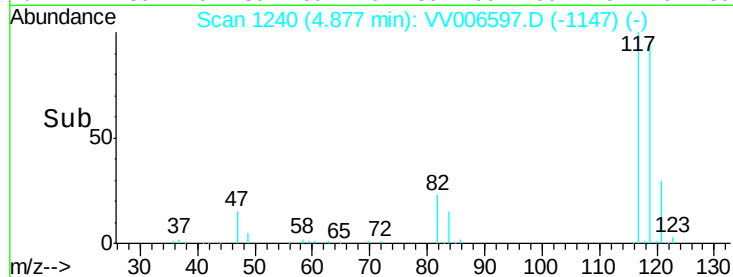
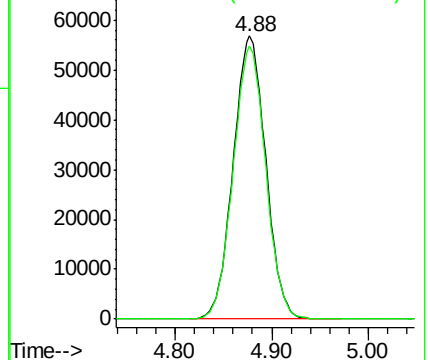
117 100

119 96.4 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: 4.571 ug/L

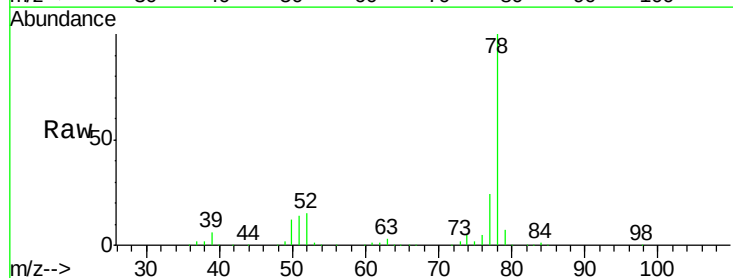
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

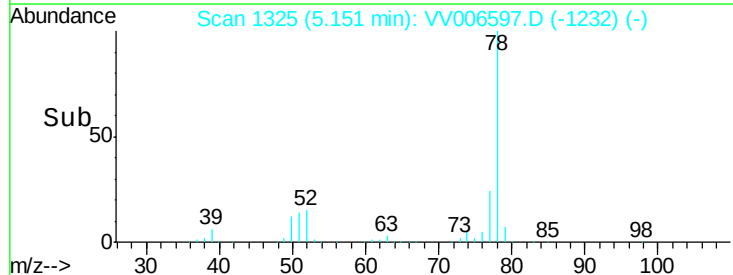
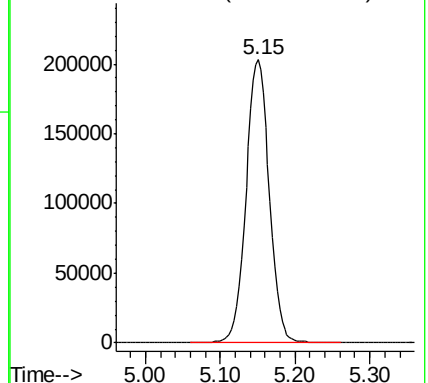
Lab File: VV006597.D

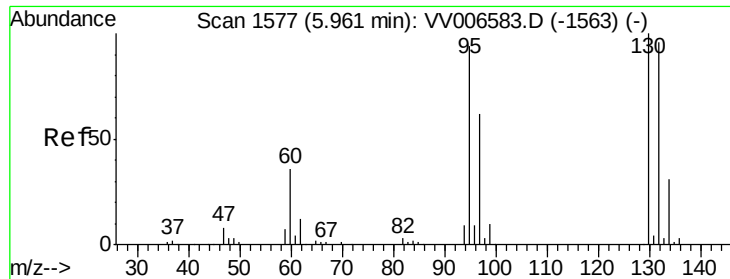
Acq: 13 Jul 2018 16:32

Tgt Ion: 78 Resp: 438479



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.616 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

Tgt Ion: 95 Resp: 113570

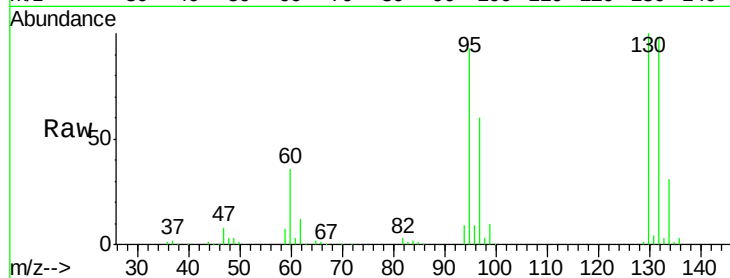
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 105.1 70.0 130.0

130 107.2 72.7 134.9

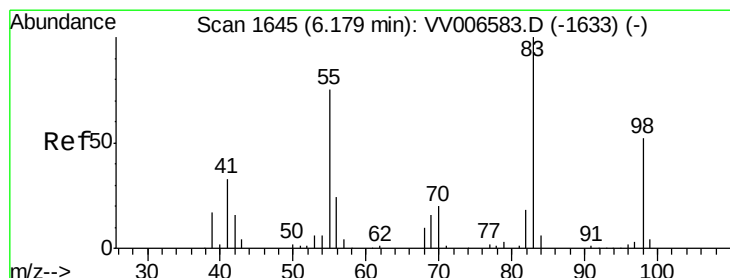
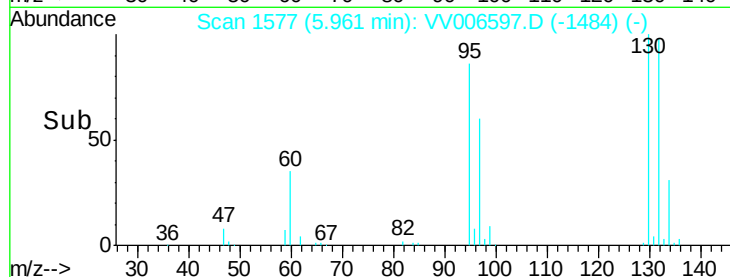
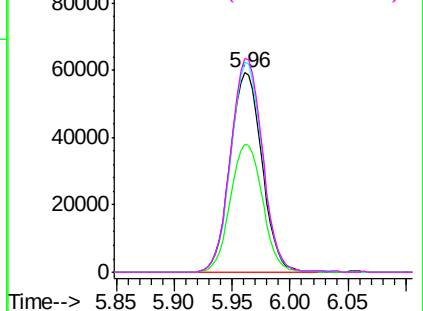


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.917 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

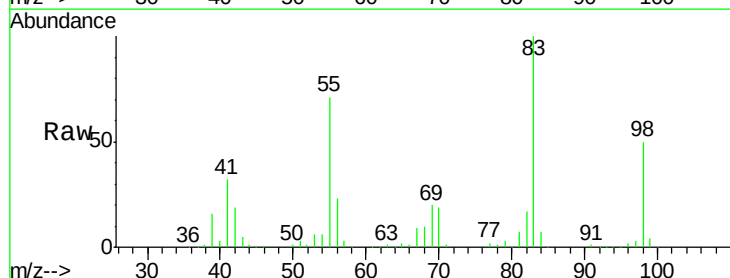
Tgt Ion: 83 Resp: 194780

Ion Ratio Lower Upper

83 100

55 69.8 58.3 87.5

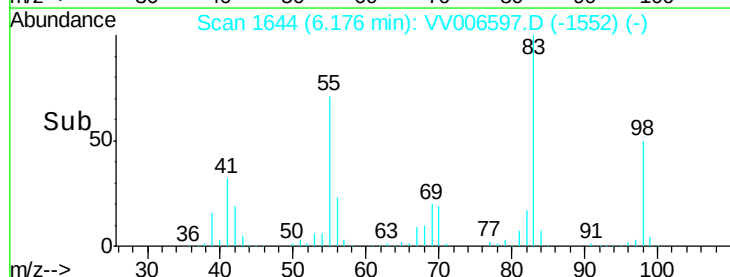
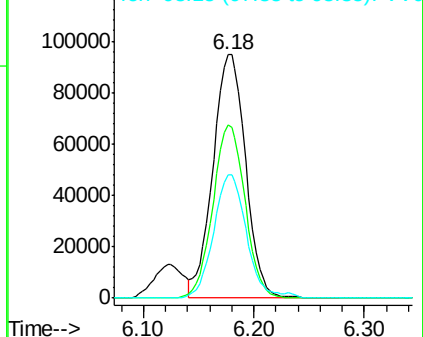
98 51.3 39.3 58.9

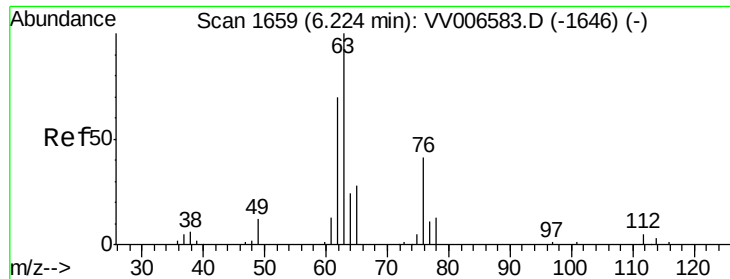


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

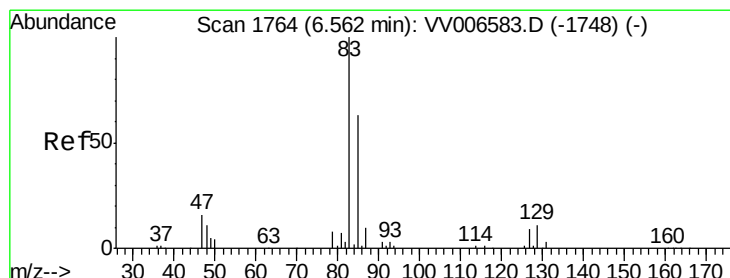
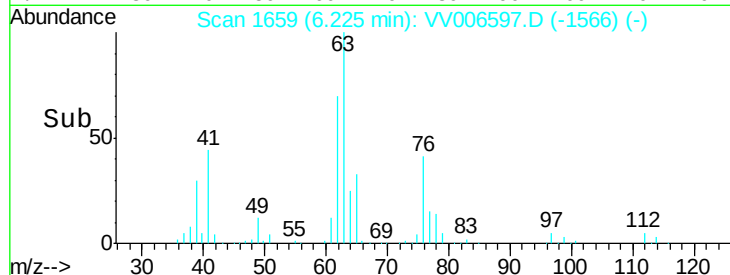
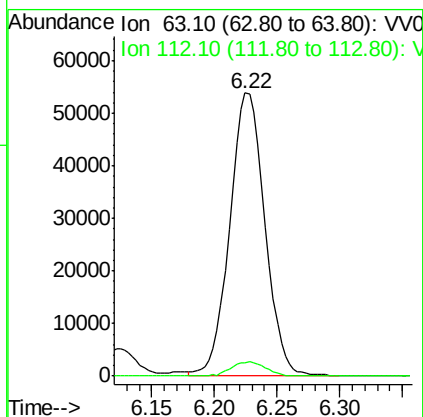
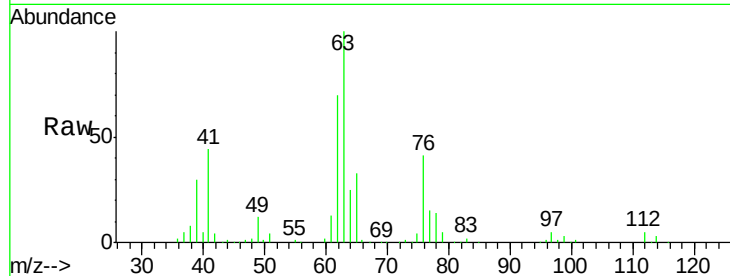




#37
 1,2-Dichloropropane
 Concen: 4.421 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

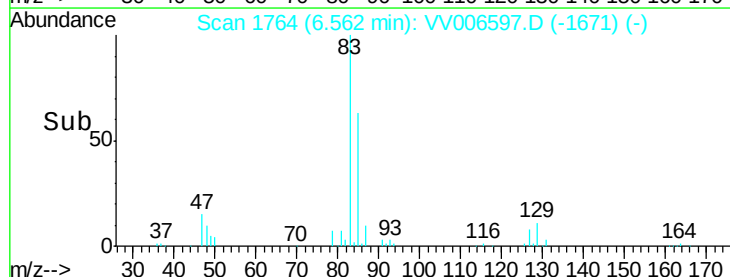
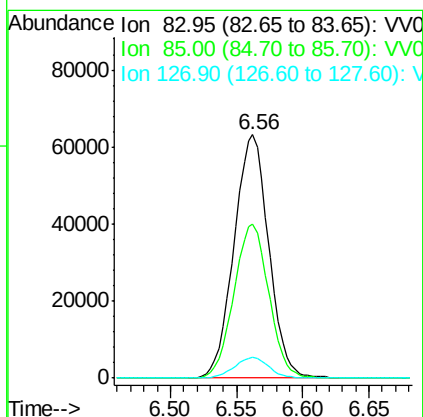
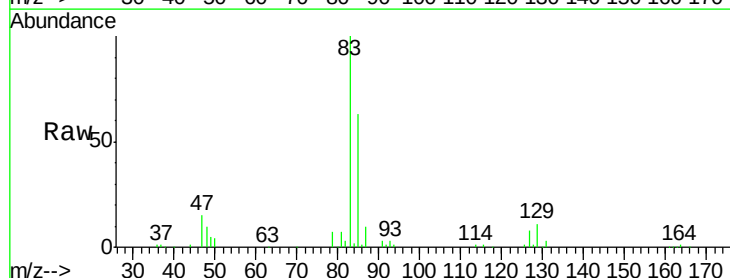
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00521

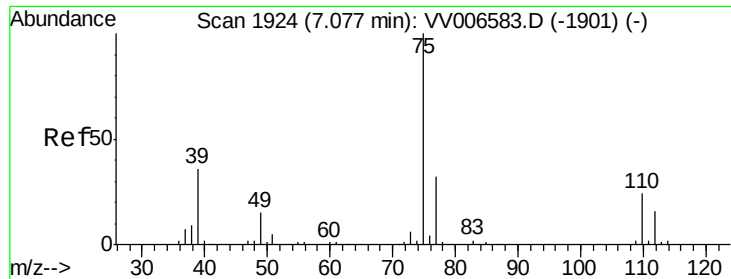
Tgt Ion: 63 Resp: 103710
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.350 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Tgt Ion: 83 Resp: 115058
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.1 83.7
 127 8.4 6.9 10.3

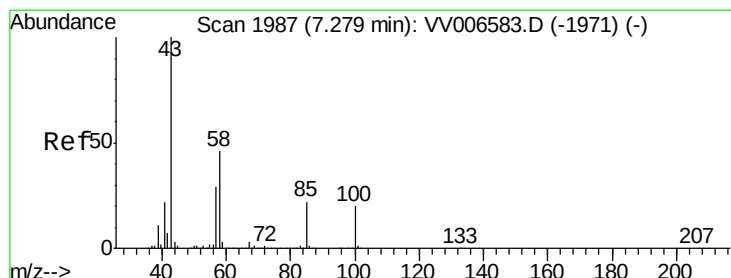
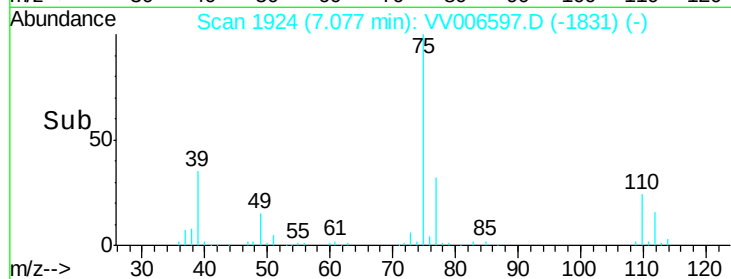
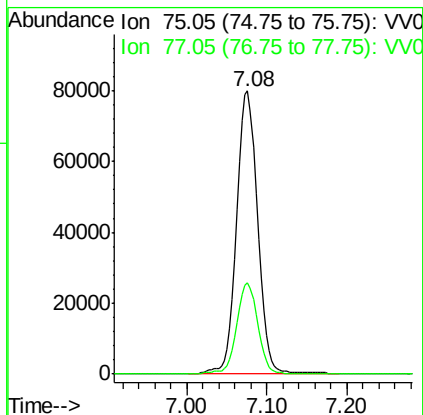
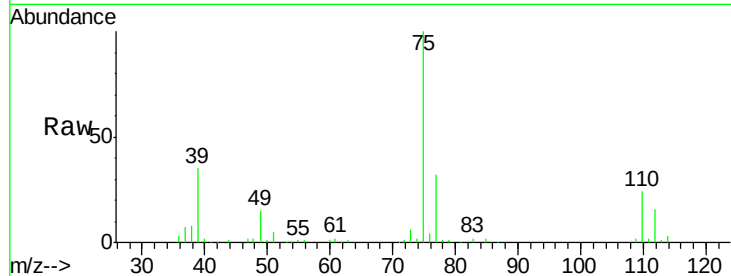




#39
 cis-1,3-Dichloropropene
 Concen: 4.510 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

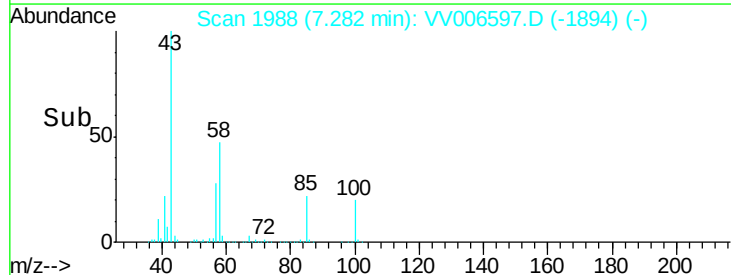
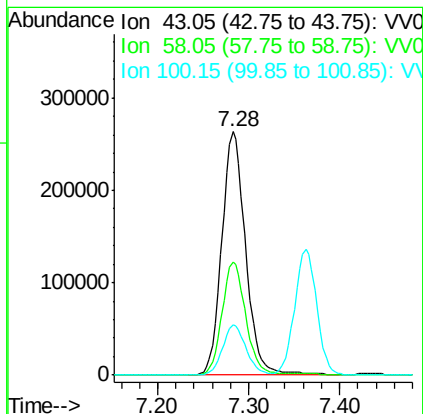
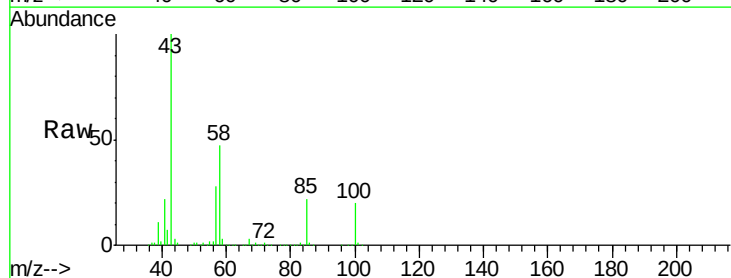
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00521

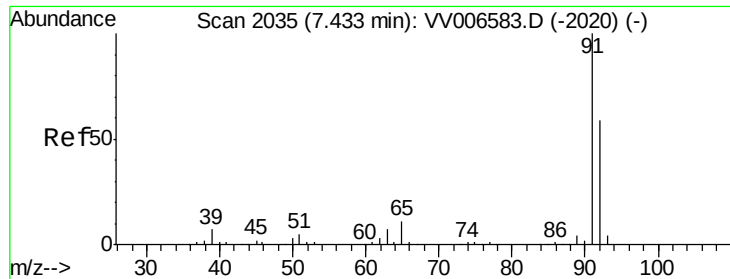
Tgt Ion: 75 Resp: 142031
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 40.464 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Tgt Ion: 43 Resp: 481184
 Ion Ratio Lower Upper
 43 100
 58 45.9 35.8 53.6
 100 20.0 15.4 23.0





#42

Toluene

Concen: 4.684 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

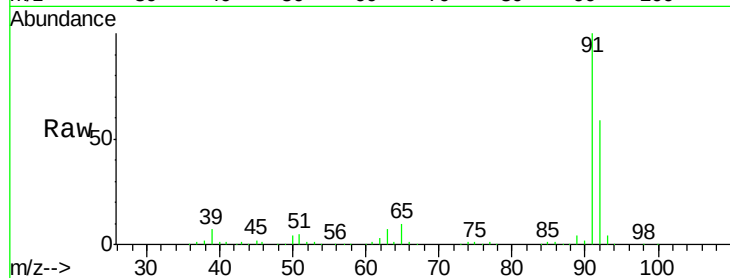
VSTD00521

Tgt Ion: 91 Resp: 467271

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006583.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV006583.D (-2020) (-)

7.43

300000

250000

200000

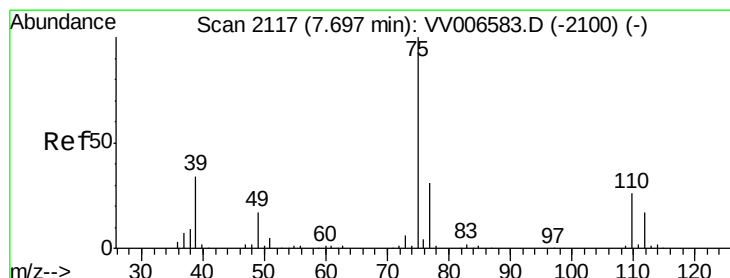
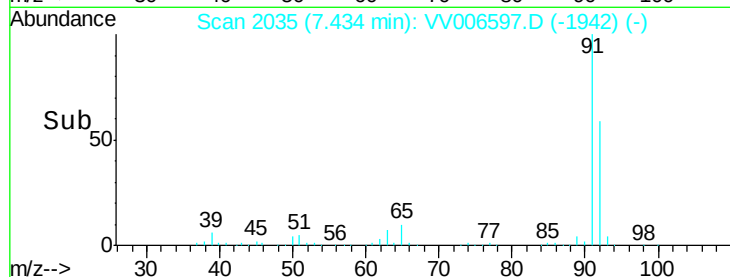
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.449 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV006597.D

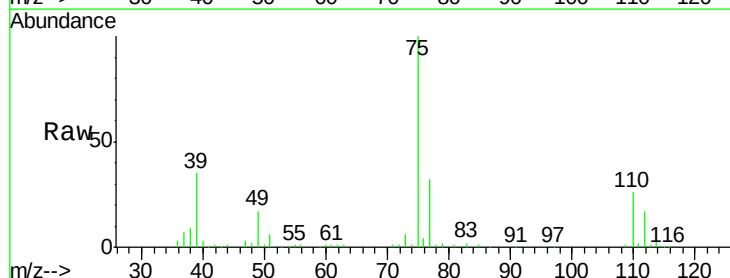
Acq: 13 Jul 2018 16:32

Tgt Ion: 75 Resp: 108138

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006583.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006583.D (-2100) (-)

7.70

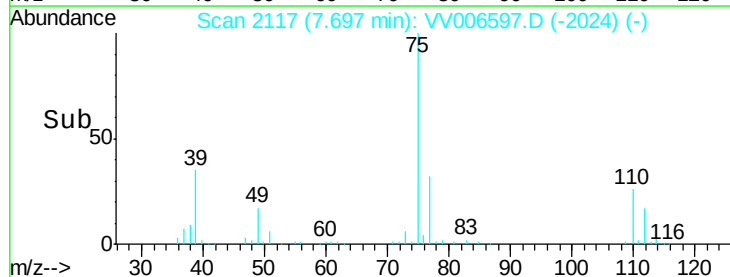
60000

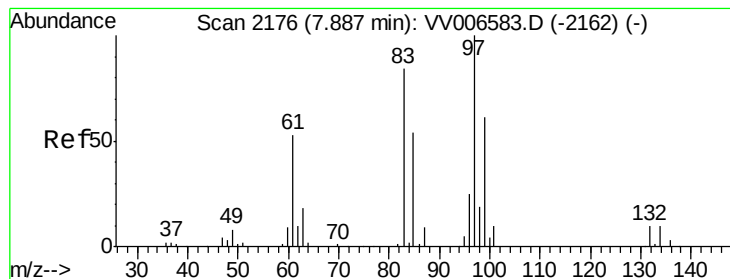
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.404 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

Tgt Ion: 97 Resp: 72293

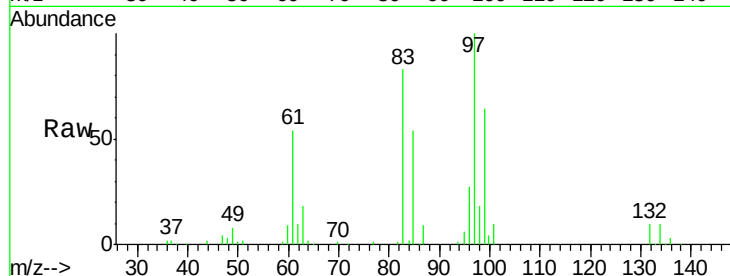
Ion Ratio Lower Upper

97 100

99 64.2 43.3 80.3

83 83.4 58.0 107.8

85 53.7 37.8 70.2

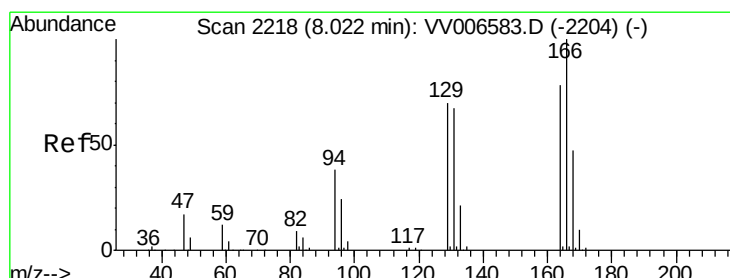
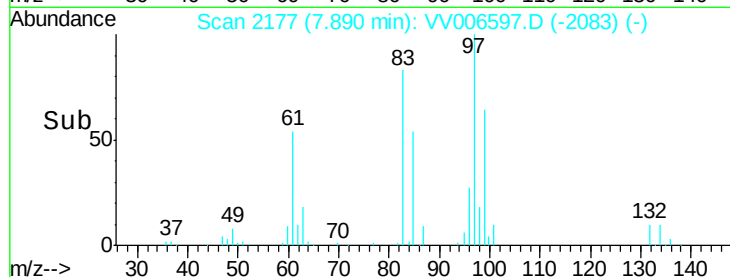
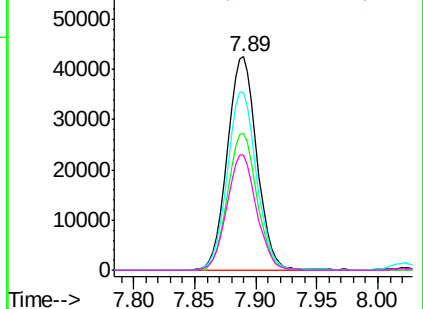


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.767 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Tgt Ion: 164 Resp: 96440

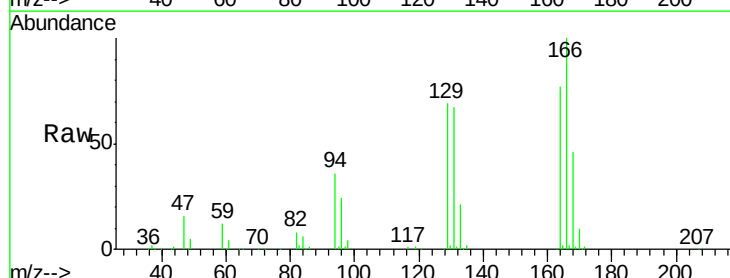
Ion Ratio Lower Upper

164 100

129 89.4 62.1 115.3

131 87.0 60.8 113.0

166 130.4 87.1 161.7

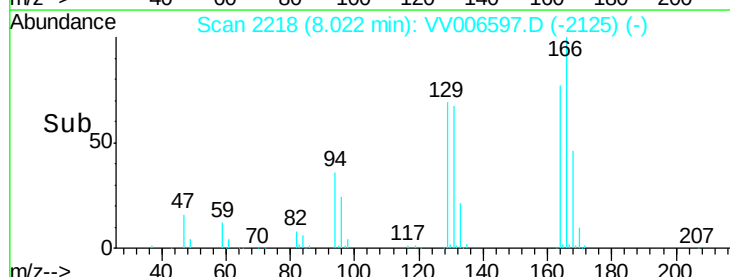
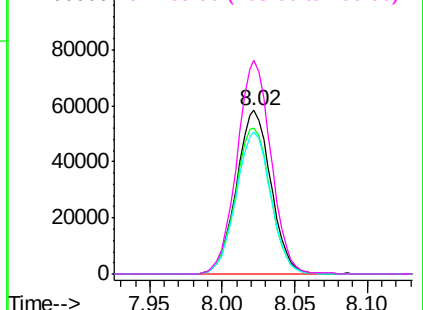


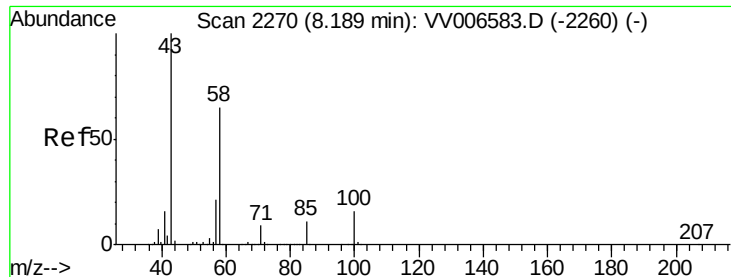
Abundance Ion 163.90 (163.60 to 164.60): V

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

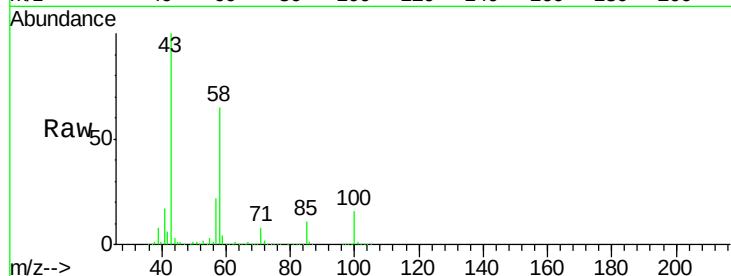




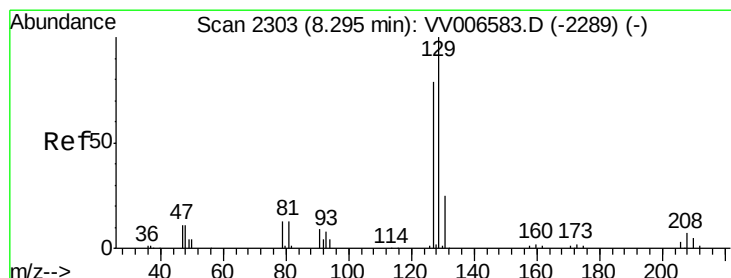
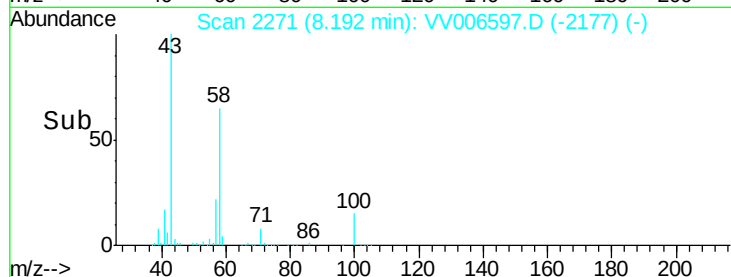
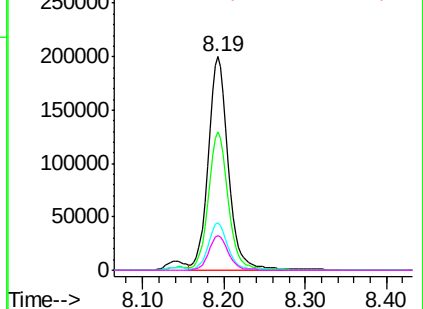
#48
2-Hexanone
Concen: 40.834 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00521

Tgt Ion: 43 Resp: 344310
Ion Ratio Lower Upper
43 100
58 63.9 50.3 75.5
57 21.5 17.0 25.4
100 16.0 12.3 18.5

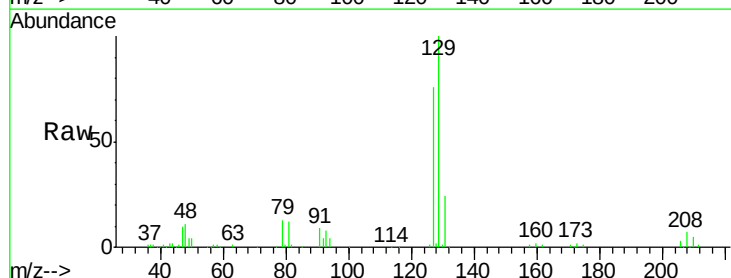


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

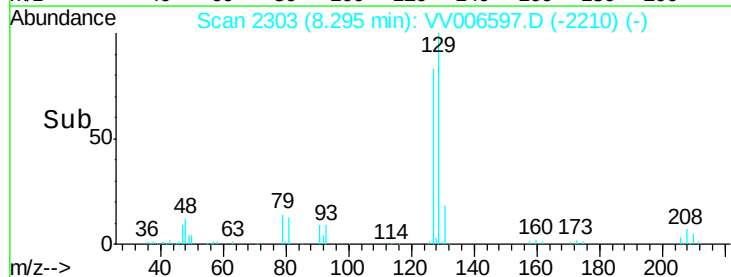
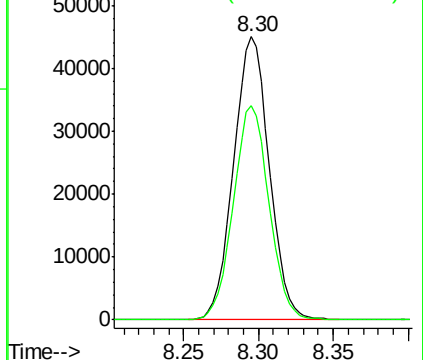


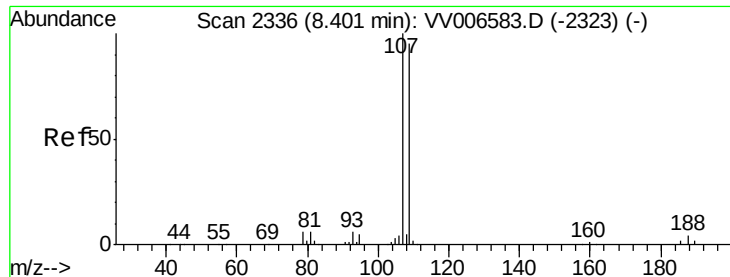
#49
Dibromochloromethane
Concen: 4.368 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion: 129 Resp: 74775
Ion Ratio Lower Upper
129 100
127 75.9 52.7 97.9



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

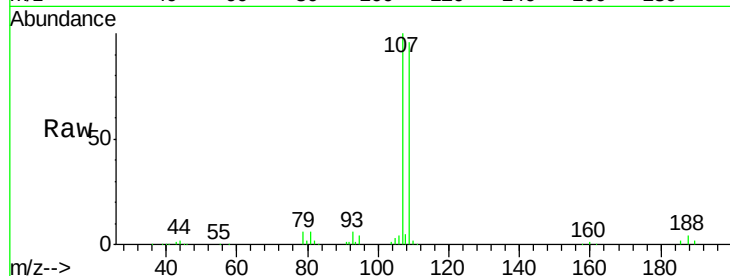




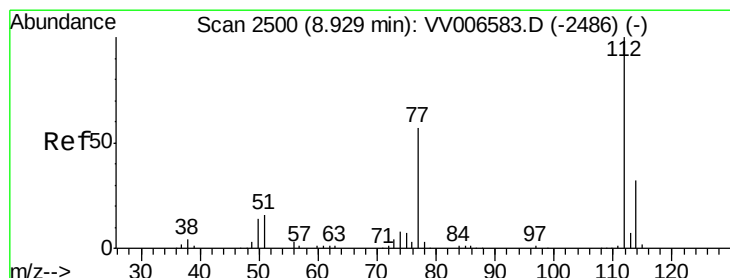
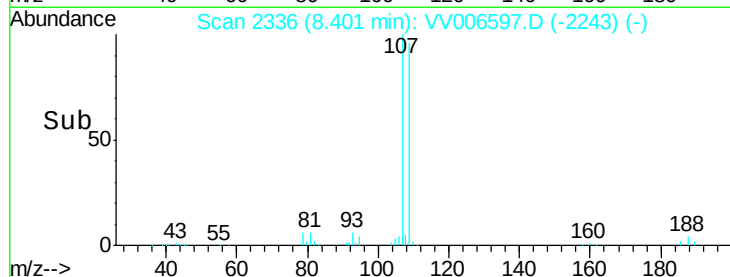
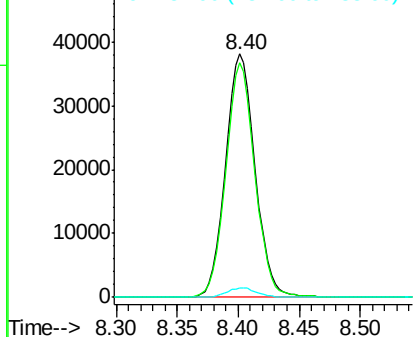
#50
1,2-Dibromoethane
Concen: 4.328 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00521

Tgt Ion:107 Resp: 64667
Ion Ratio Lower Upper
107 100
109 96.5 65.2 121.0
188 3.9 3.4 5.0

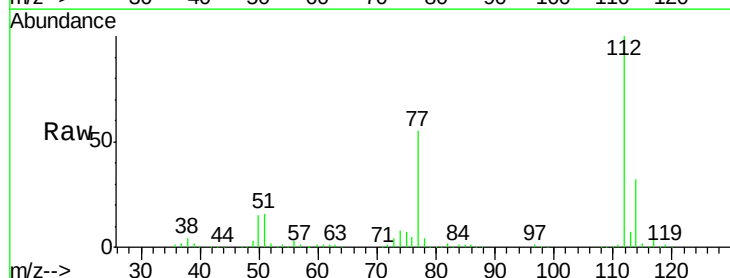


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

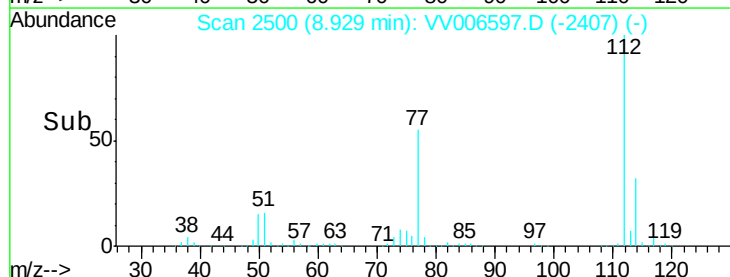
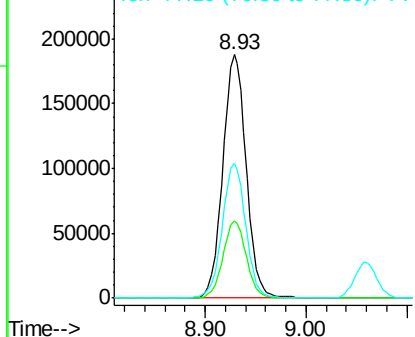


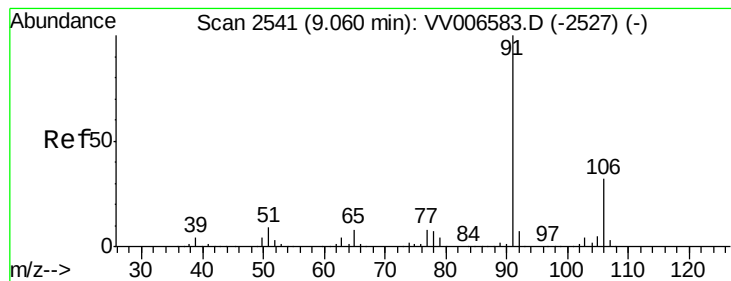
#51
Chlorobenzene
Concen: 4.664 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006597.D
Acq: 13 Jul 2018 16:32

Tgt Ion:112 Resp: 304373
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 55.5 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: 4.769 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

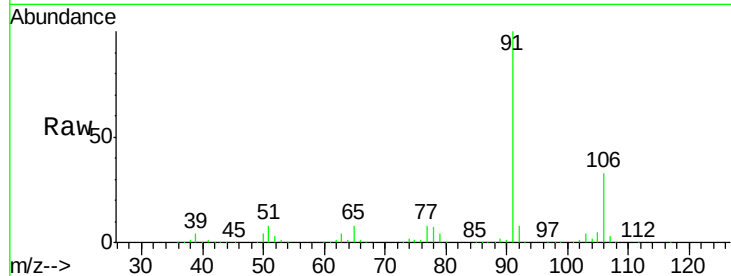
VSTD00521

Tgt Ion: 91 Resp: 505495

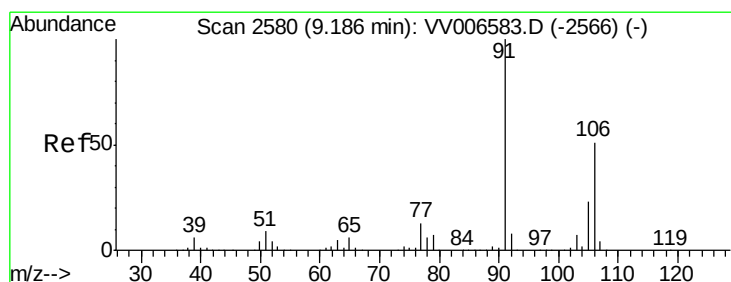
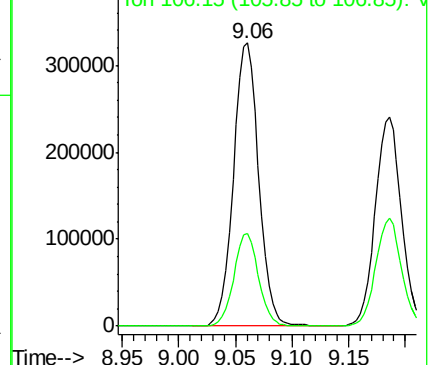
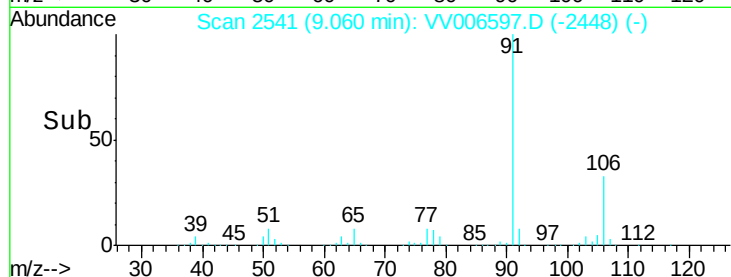
Ion Ratio Lower Upper

91 100

106 32.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006597.D (-2448) (-)



#53

m,p-xylene

Concen: 4.858 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006597.D

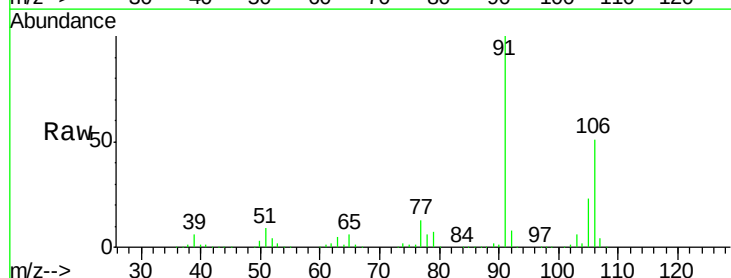
Acq: 13 Jul 2018 16:32

Tgt Ion: 106 Resp: 198395

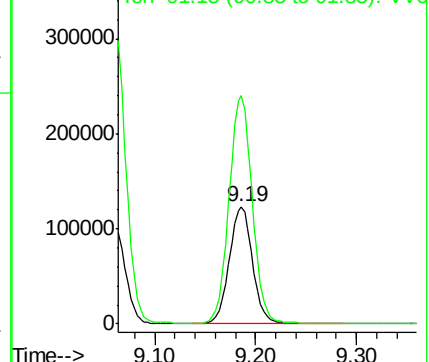
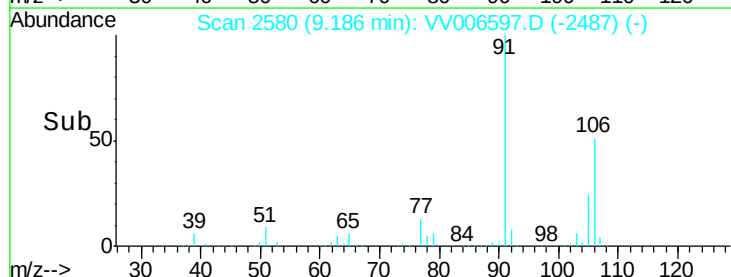
Ion Ratio Lower Upper

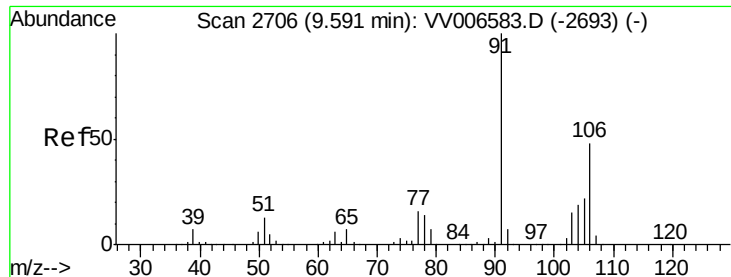
106 100

91 194.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006597.D (-2487) (-)





#54

o-xylene

Concen: 4.798 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

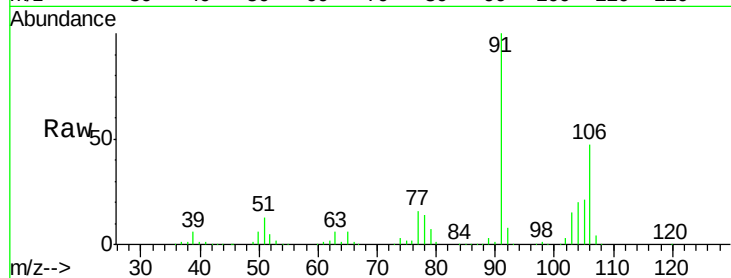
VSTD00521

Tgt Ion:106 Resp: 191788

Ion Ratio Lower Upper

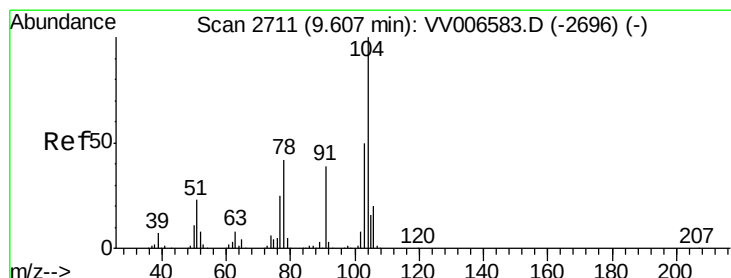
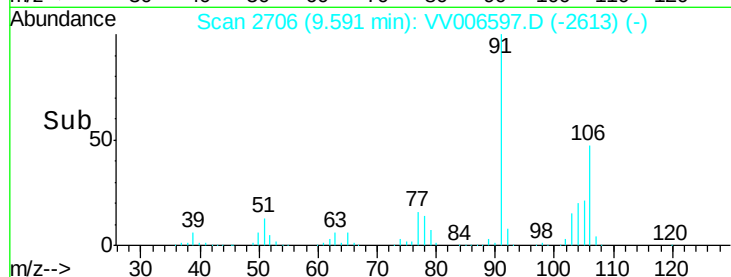
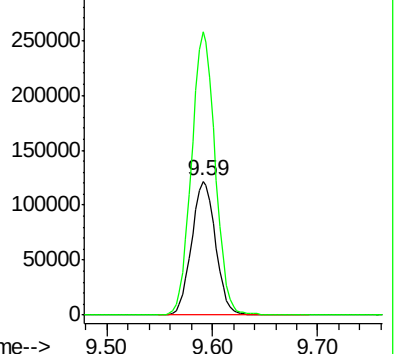
106 100

91 211.8 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.799 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006597.D

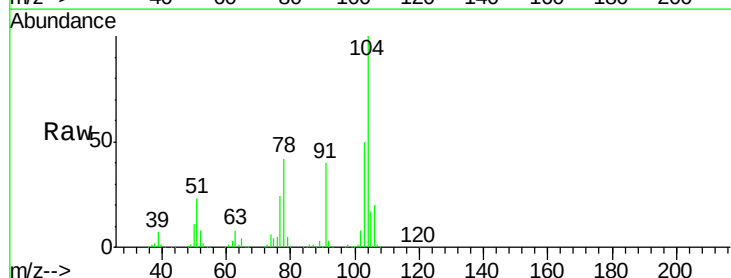
Acq: 13 Jul 2018 16:32

Tgt Ion:104 Resp: 322563

Ion Ratio Lower Upper

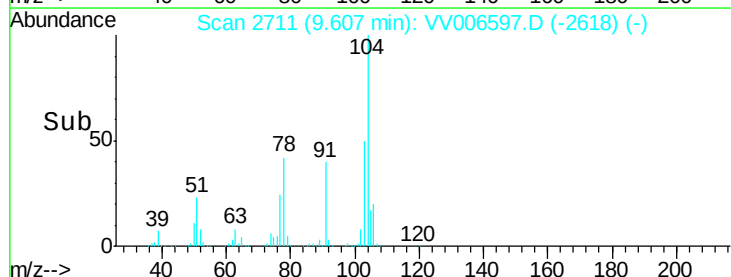
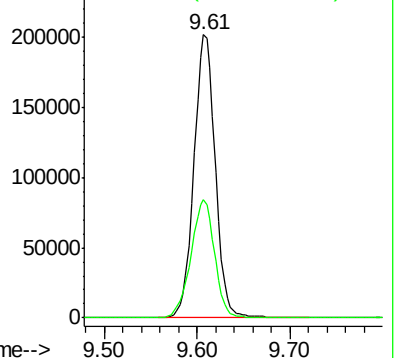
104 100

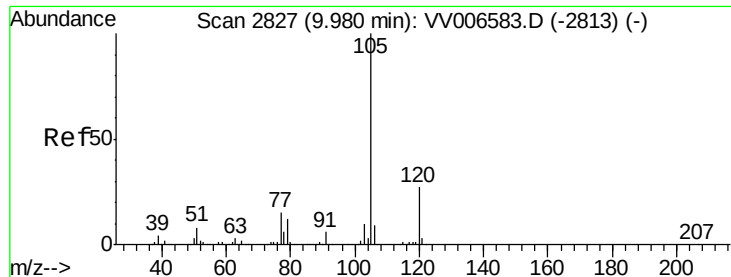
78 41.7 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.908 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

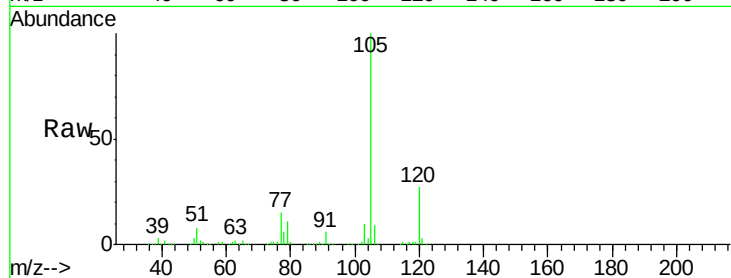
Tgt Ion: 105 Resp: 503216

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

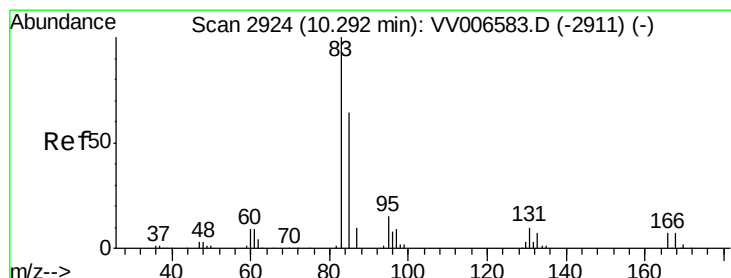
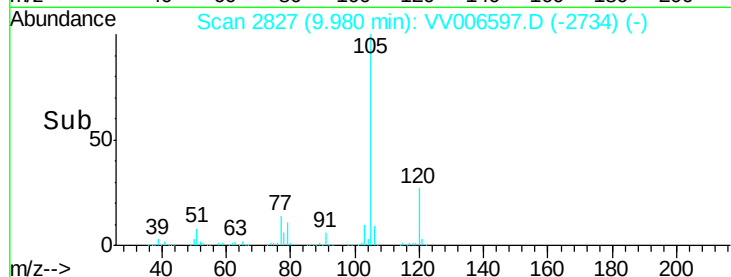
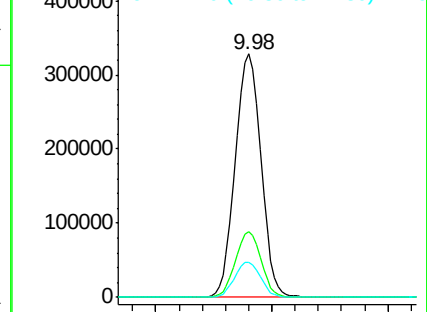
77 14.6 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): 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: 4.075 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

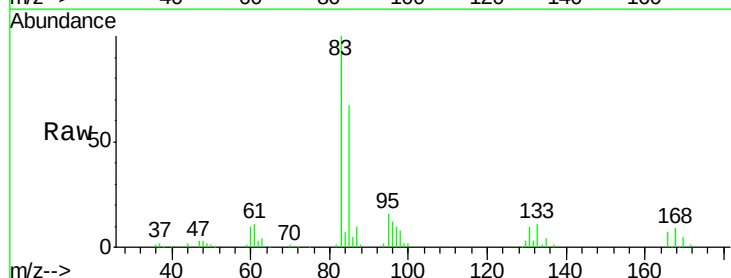
Tgt Ion: 83 Resp: 78927

Ion Ratio Lower Upper

83 100

85 66.8 44.7 83.1

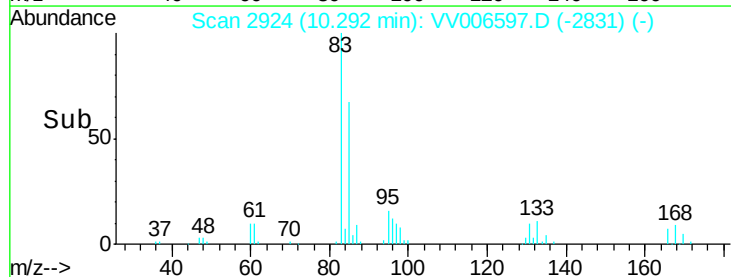
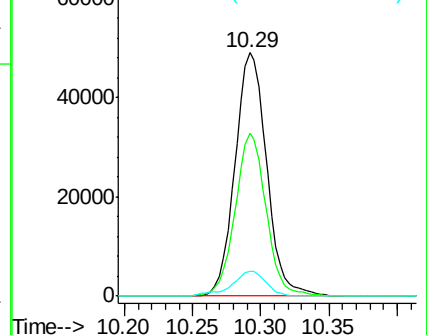
131 10.3 8.6 13.0

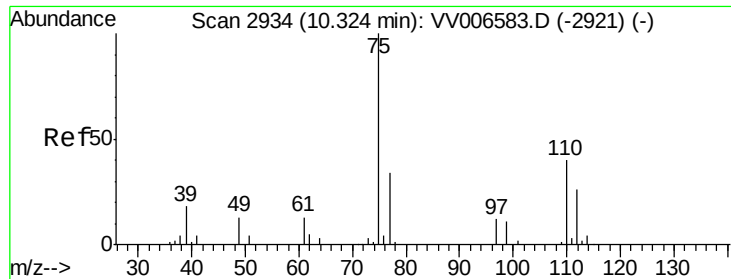


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

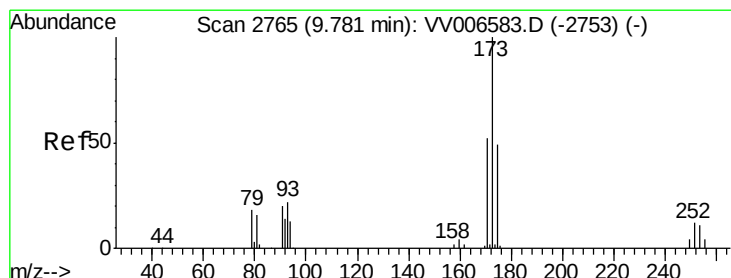
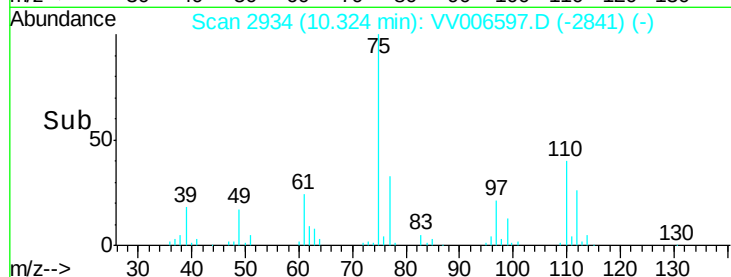
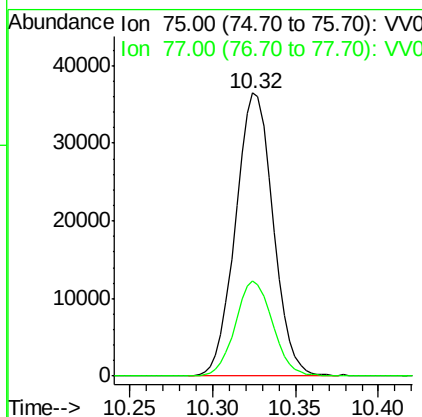
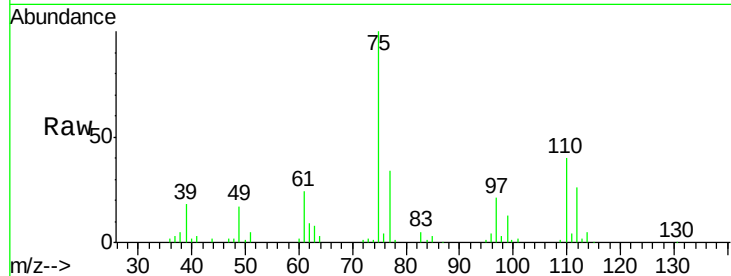




#59
 1,2,3-Trichloropropane
 Concen: 4.132 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

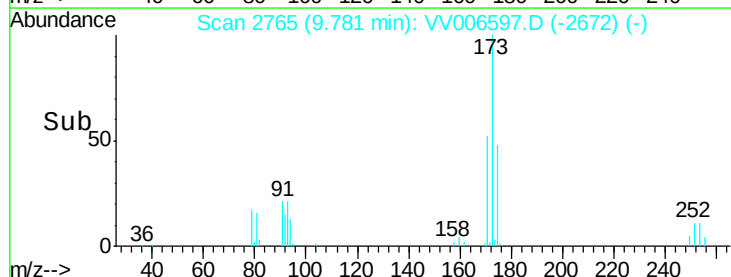
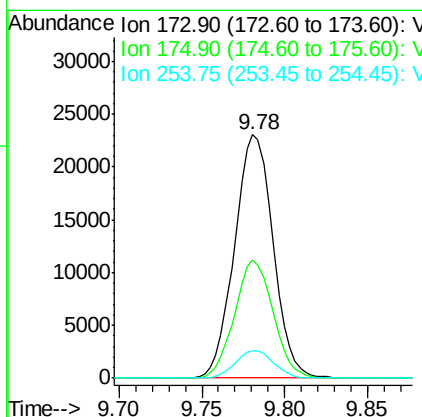
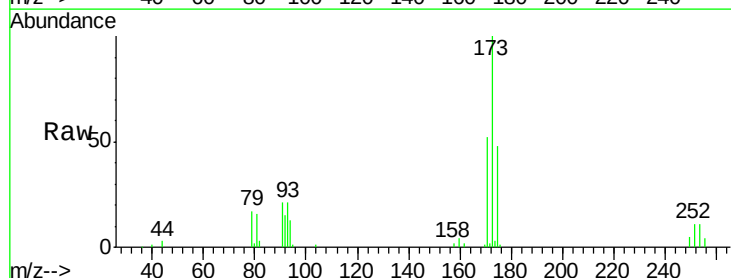
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00521

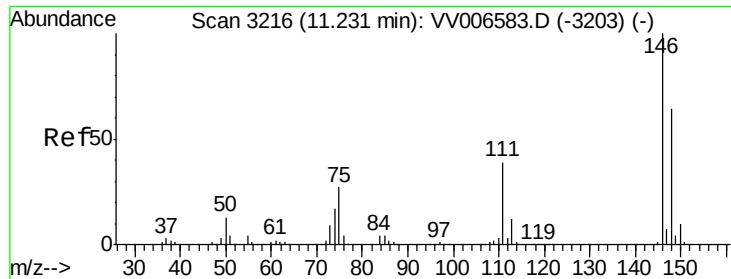
Tgt Ion: 75 Resp: 57680
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.7 38.5



#61
 Bromoform
 Concen: 4.190 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Tgt Ion: 173 Resp: 37394
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 11.0 9.6 14.4

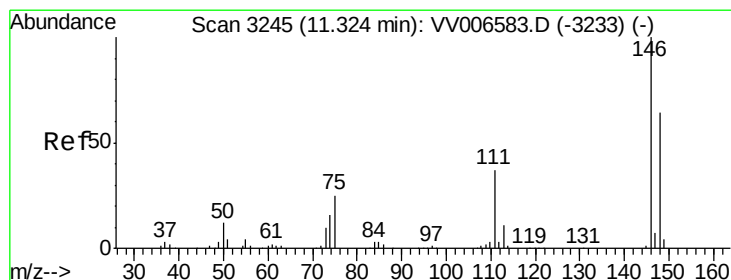
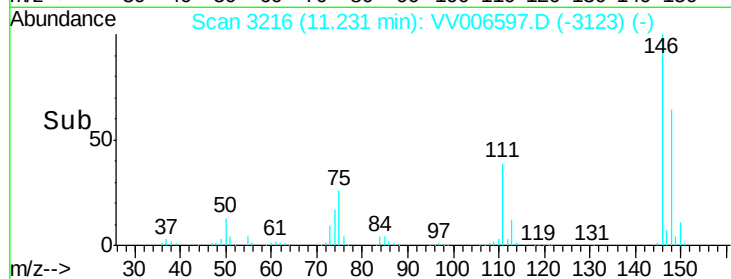
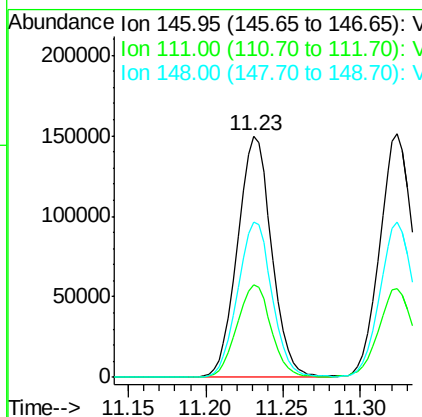
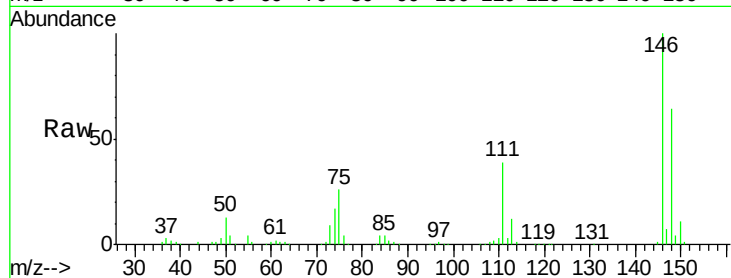




#62
 1,3-Dichlorobenzene
 Concen: 4.689 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

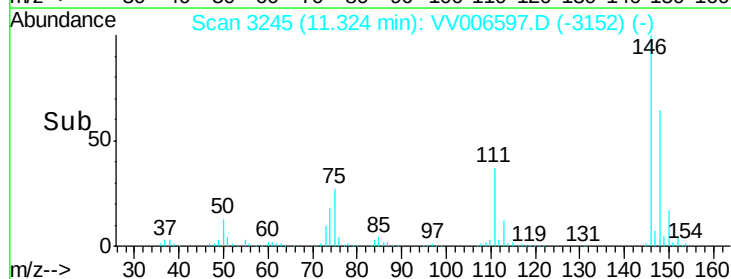
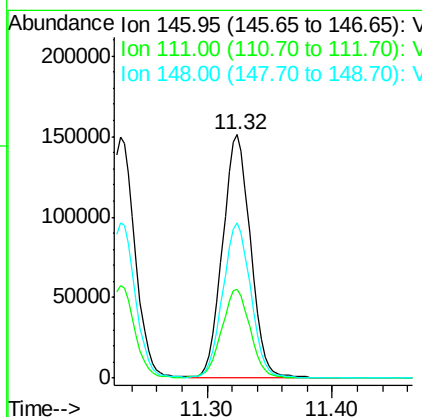
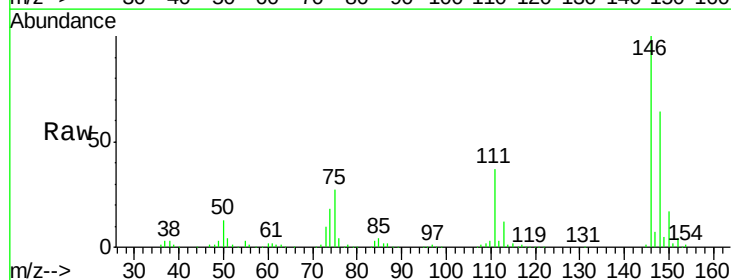
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00521

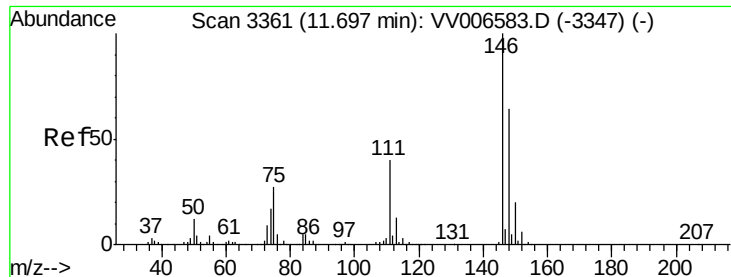
Tgt Ion:146 Resp: 230409
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 49.9
 148 64.4 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.674 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Tgt Ion:146 Resp: 233488
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.0 48.4
 148 63.6 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 4.592 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

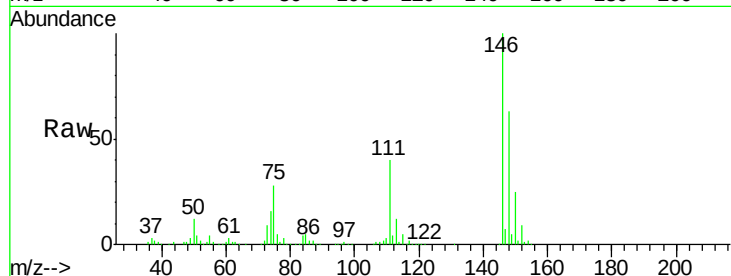
Tgt Ion:146 Resp: 217996

Ion Ratio Lower Upper

146 100

111 40.0 32.4 48.6

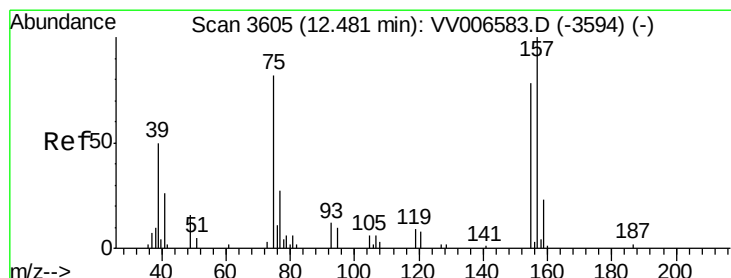
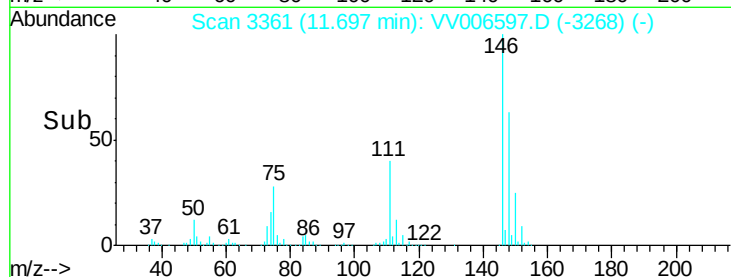
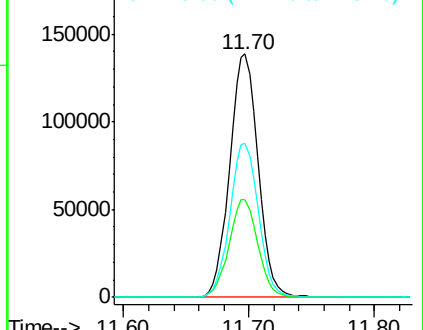
148 63.0 51.3 76.9



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: 3.864 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

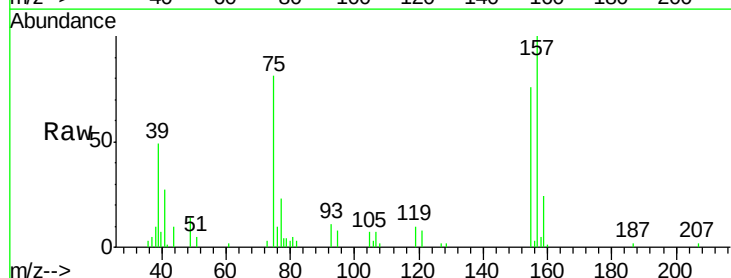
Tgt Ion: 75 Resp: 9803

Ion Ratio Lower Upper

75 100

155 94.8 75.4 113.2

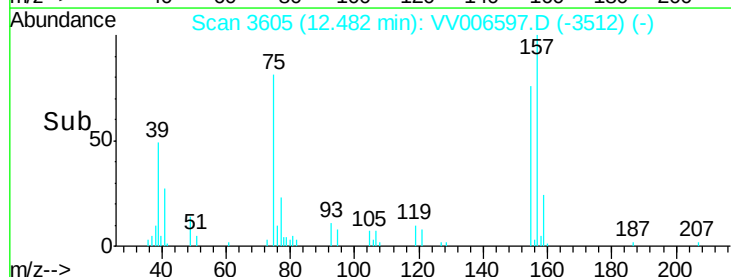
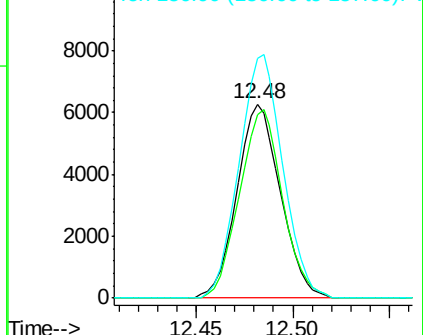
157 123.9 99.6 149.4

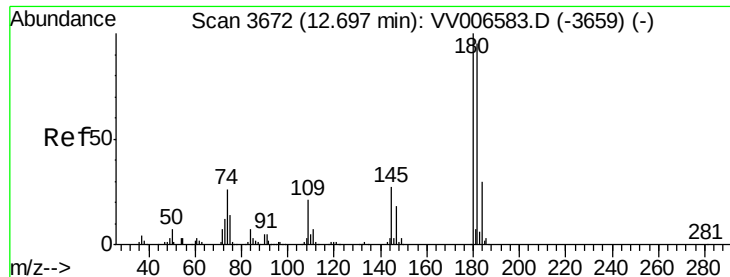


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

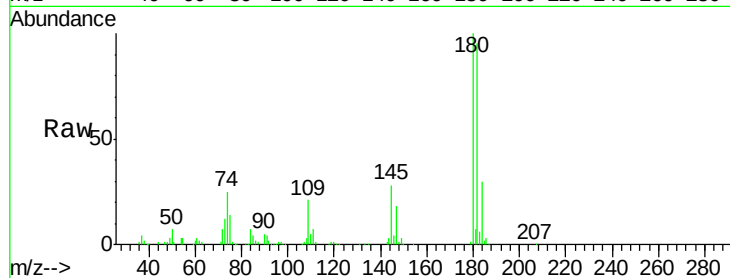




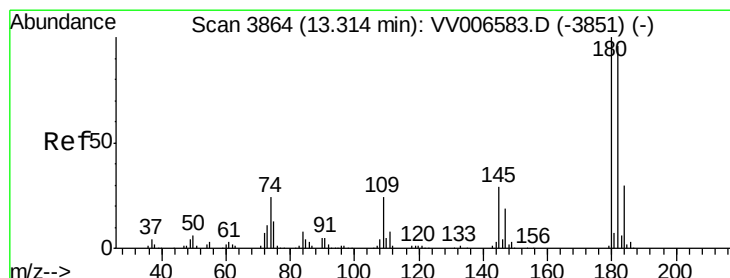
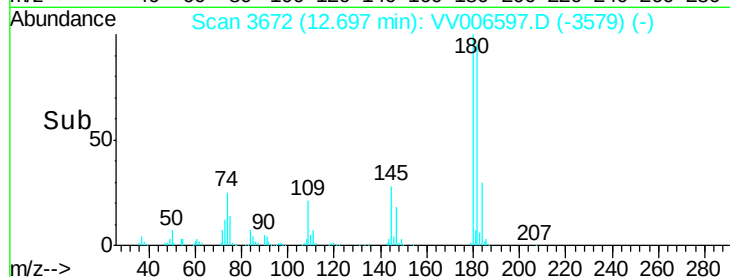
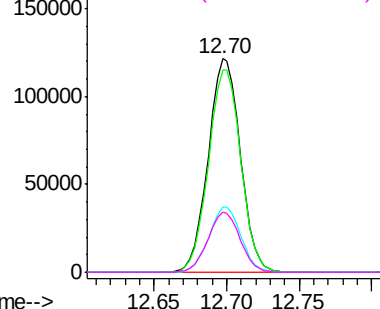
#67
 1,3,5-Trichlorobenzene
 Concen: 4.798 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00521

Tgt Ion:	180	Resp:	186780
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.4	24.1	36.1
145	28.2	22.3	33.5

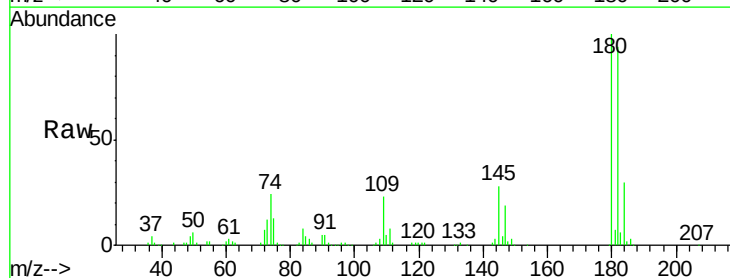


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

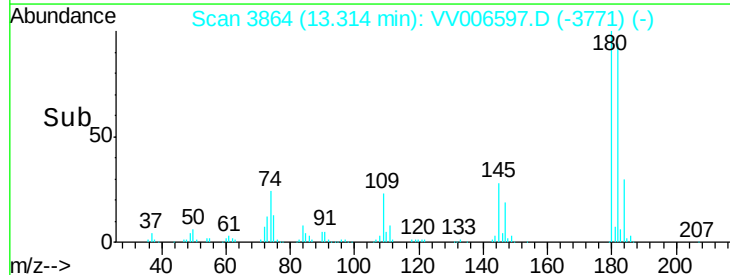
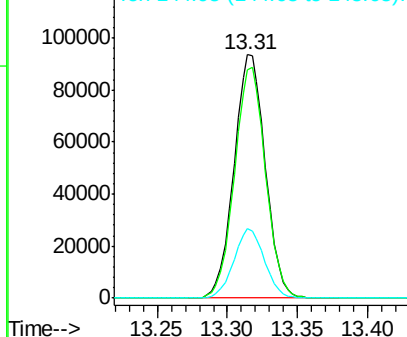


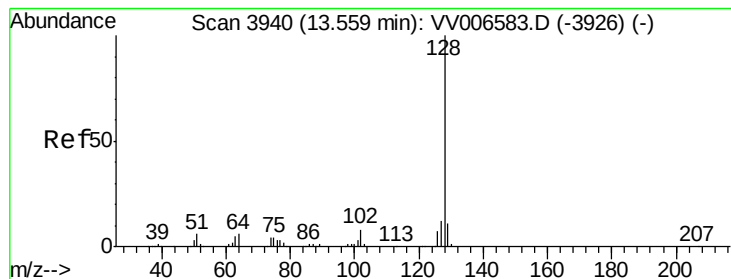
#68
 1,2,4-trichlorobenzene
 Concen: 4.679 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006597.D
 Acq: 13 Jul 2018 16:32

Tgt Ion:	180	Resp:	144949
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	28.1	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: 4.196 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00521

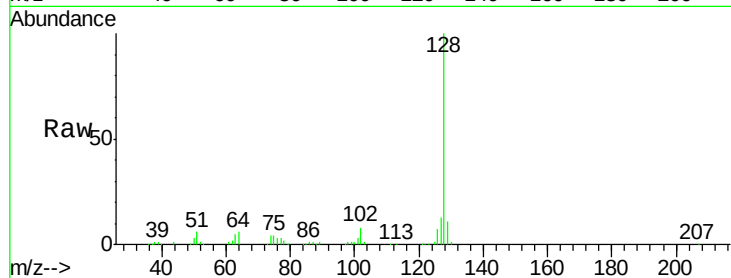
Tgt Ion:128 Resp: 220721

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

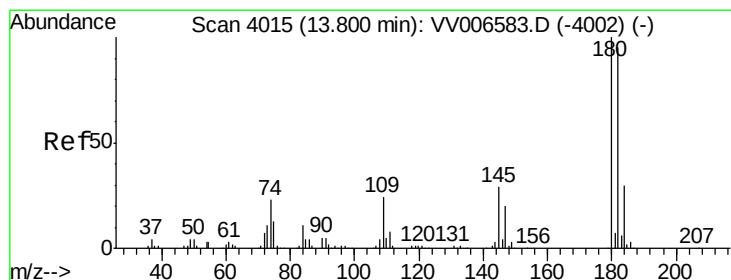
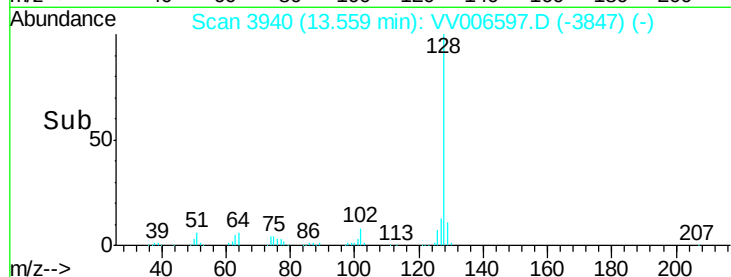
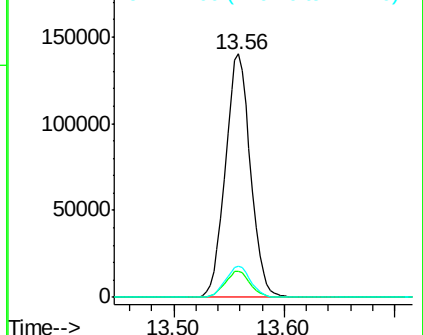
127 12.8 10.2 15.2



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: 4.643 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006597.D

Acq: 13 Jul 2018 16:32

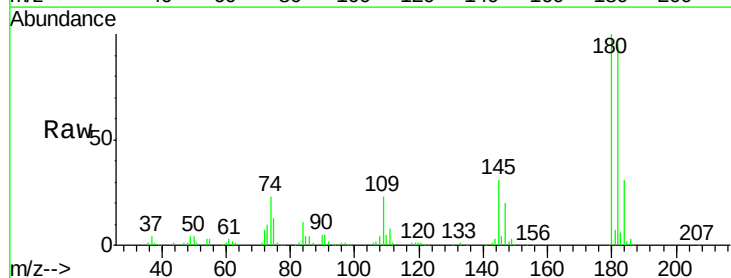
Tgt Ion:180 Resp: 134828

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 30.7 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

