

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070918\
 Data File : VV006559.D
 Acq On : 09 Jul 2018 14:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Quant Time: Jul 09 22:48:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 03:00:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	361086	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	328281	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	159580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84467	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	68311	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.13	63	160388	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	3.96	46	204520	41.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.02%
24) Chloroform-d	4.41	84	174814	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.09	65	78571	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.10	84	345088	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.12	67	108411	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.36	98	313189	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.67	79	39395	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.14	63	174595	41.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.94%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81403	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	123608	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	100667	3.555	ug/L 100
3) Chloromethane	1.27	50	156573	4.520	ug/L 99
5) Vinyl chloride	1.32	62	147508	4.589	ug/L 100
6) Bromomethane	1.54	94	61242	4.110	ug/L 100
8) Chloroethane	1.60	64	81716	4.188	ug/L 100
9) Trichlorofluoromethane	1.77	101	172318	4.764	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109945	4.920	ug/L 99
12) 1,1-Dichloroethene	2.14	96	103446	4.576	ug/L 91
13) Acetone	2.20	43	126316	40.053	ug/L 99
14) Carbon disulfide	2.32	76	328572	4.859	ug/L 99
15) Methyl Acetate	2.47	43	37148	4.001	ug/L 99
16) Methylene chloride	2.54	84	111413	4.371	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	232792	4.347	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	114505	4.642	ug/L 97
19) 1,1-Dichloroethane	3.23	63	200621	4.687	ug/L 99
21) 2-Butanone	4.04	43	216373	41.816	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	123111	4.646	ug/L 98

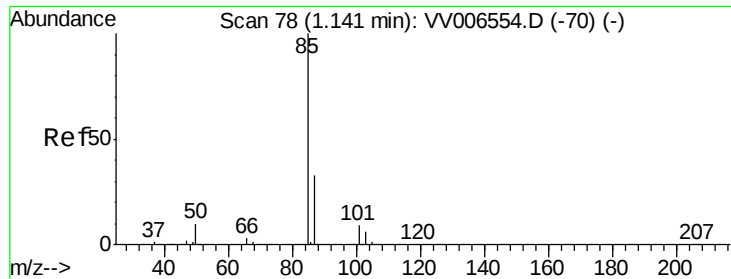
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070918\
 Data File : VV006559.D
 Acq On : 09 Jul 2018 14:55
 Operator : SY/MD
 Sample : VSTDCCC005
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 ClientSampleId :
 VSTD00567

Quant Time: Jul 09 22:48:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 03:00:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48718	4.488	ug/L	98
25) Chloroform	4.43	83	195342	4.588	ug/L	99
27) 1,2-Dichloroethane	5.19	62	106550	4.407	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	163541	4.755	ug/L	99
30) Cyclohexane	4.73	56	182849	4.996	ug/L	100
31) Carbon tetrachloride	4.88	117	141635	4.922	ug/L	98
33) Benzene	5.15	78	461378	4.709	ug/L	100
34) Trichloroethene	5.96	95	118785	4.727	ug/L	98
35) Methylcyclohexane	6.18	83	207259	5.121	ug/L	99
37) 1,2-Dichloropropane	6.23	63	109320	4.562	ug/L	99
38) Bromodichloromethane	6.56	83	126705	4.689	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	154047	4.789	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	514786	42.378	ug/L	100
42) Toluene	7.44	91	489736	4.805	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	119994	4.833	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	73468	4.381	ug/L	99
47) Tetrachloroethene	8.02	164	101048	4.890	ug/L	99
48) 2-Hexanone	8.19	43	367627	42.682	ug/L	99
49) Dibromochloromethane	8.30	129	81035	4.634	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67585	4.428	ug/L	100
51) Chlorobenzene	8.93	112	314825	4.722	ug/L	100
52) Ethylbenzene	9.06	91	532253	4.915	ug/L	99
53) m,p-xylene	9.19	106	206090	4.940	ug/L	99
54) o-xylene	9.59	106	200410	4.908	ug/L	99
55) Styrene	9.61	104	336460	4.900	ug/L	100
56) Isopropylbenzene	9.98	105	527637	5.038	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	84964	4.295	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60482	4.241	ug/L	99
61) Bromoform	9.78	173	41231	4.510	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	241412	4.796	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	243179	4.753	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	225247	4.633	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10963	4.220	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	192122	4.818	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	151323	4.770	ug/L	100
69) Naphthalene	13.56	128	237943	4.417	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	139547	4.692	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.555 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampled :

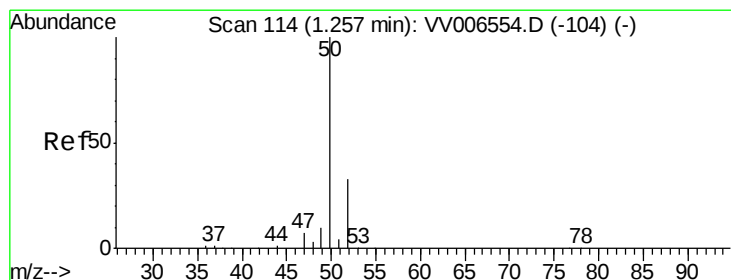
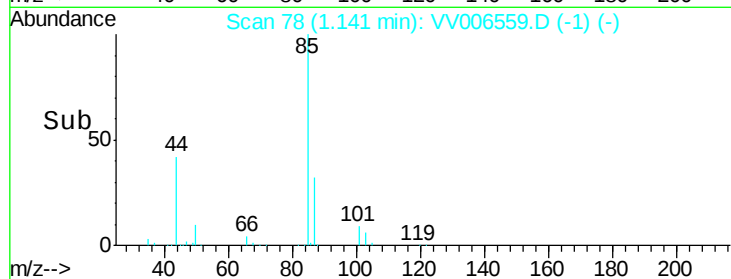
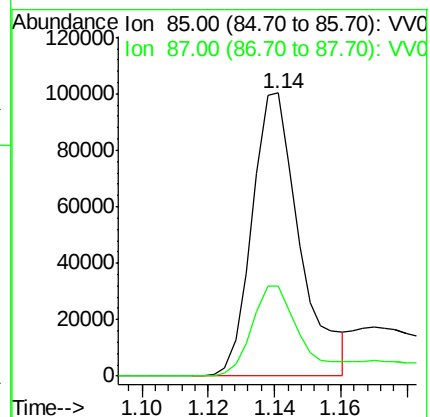
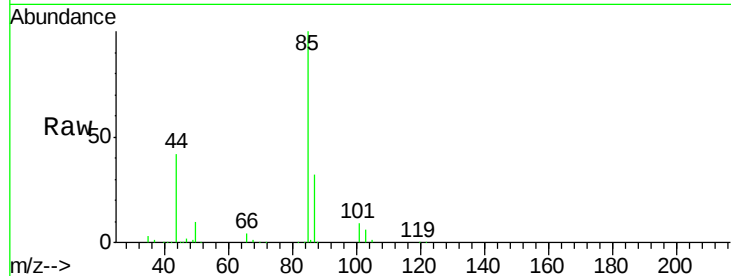
VSTD00567

Tgt Ion: 85 Resp: 100667

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



#3

Chloromethane

Concen: 4.520 ug/L

RT: 1.27 min Scan# 117

Delta R.T. 0.01 min

Lab File: VV006559.D

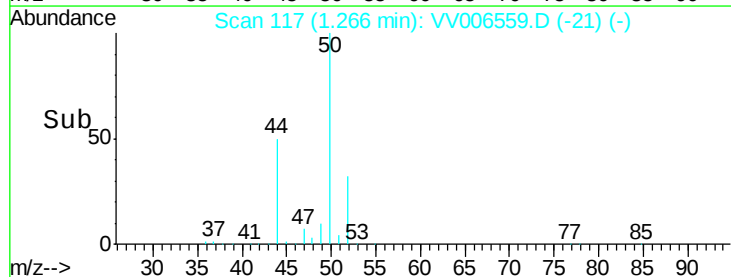
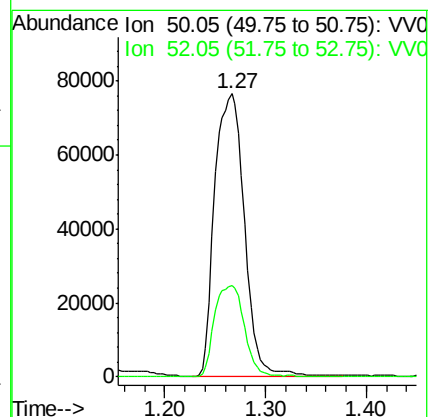
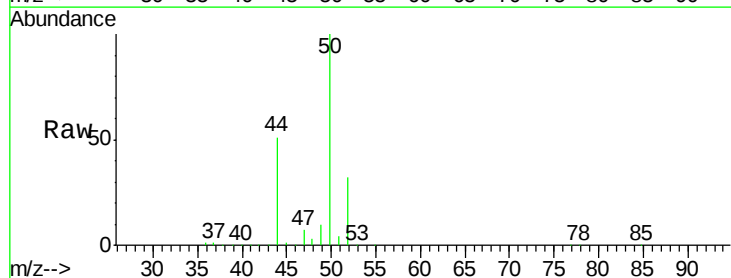
Acq: 09 Jul 2018 14:55

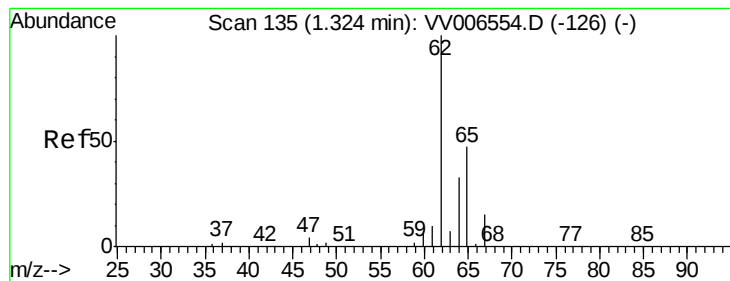
Tgt Ion: 50 Resp: 156573

Ion Ratio Lower Upper

50 100

52 32.3 22.9 42.5





#5

Vinyl chloride

Concen: 4.589 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

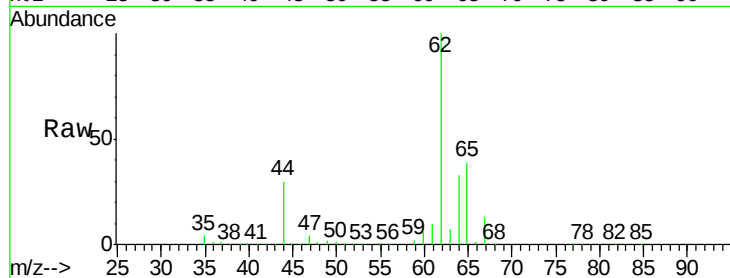
VSTD00567

Tgt Ion: 62 Resp: 147508

Ion Ratio Lower Upper

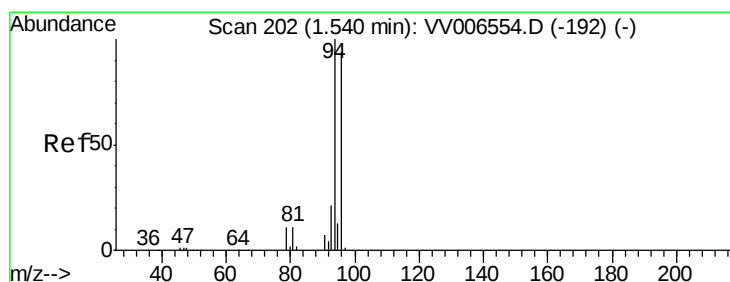
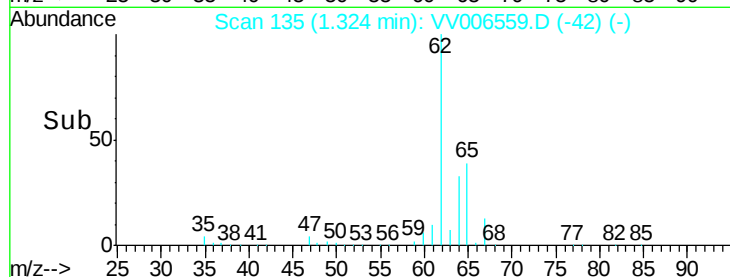
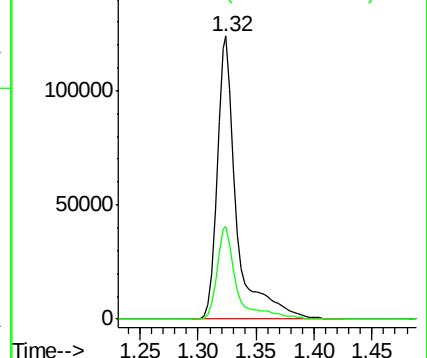
62 100

64 32.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.110 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006559.D

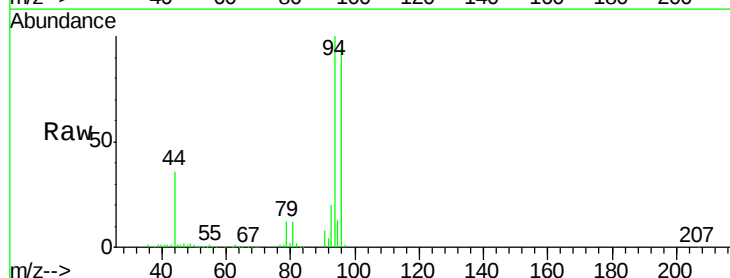
Acq: 09 Jul 2018 14:55

Tgt Ion: 94 Resp: 61242

Ion Ratio Lower Upper

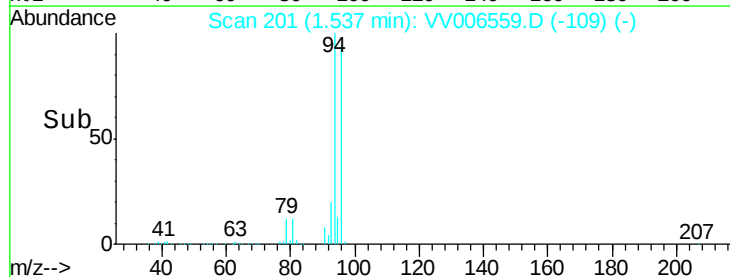
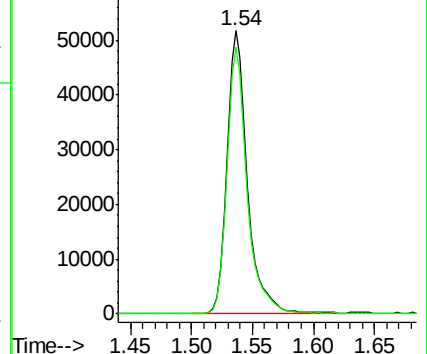
94 100

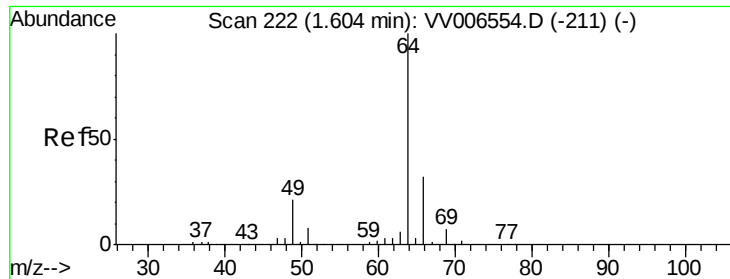
96 94.2 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

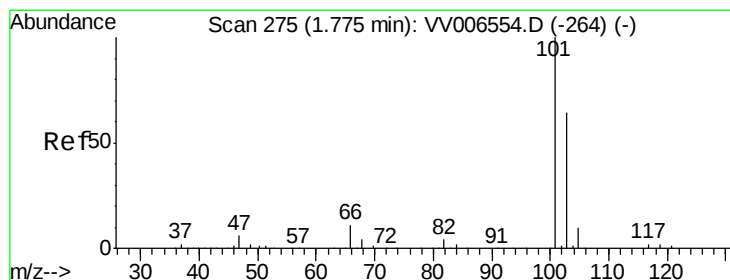
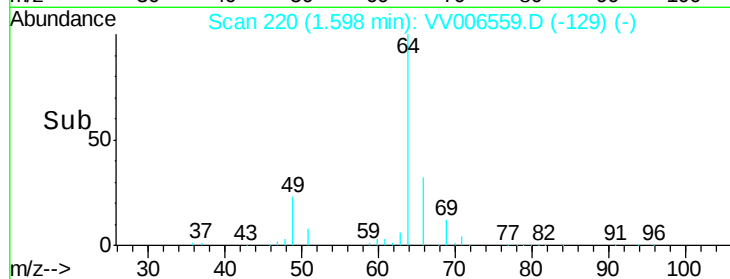
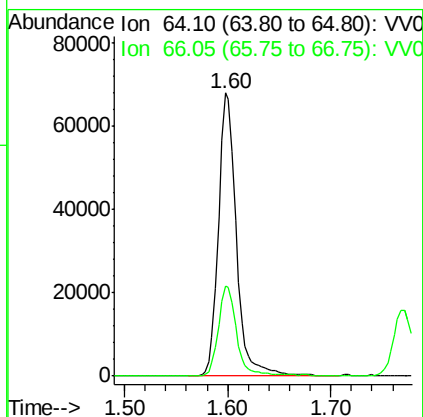
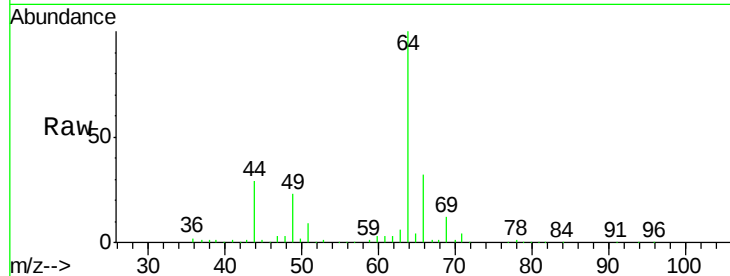




#8
Chloroethane
Concen: 4.188 ug/L
RT: 1.60 min Scan# 220
Delta R.T. -0.01 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

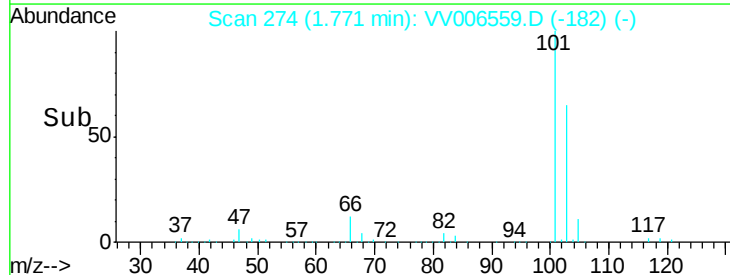
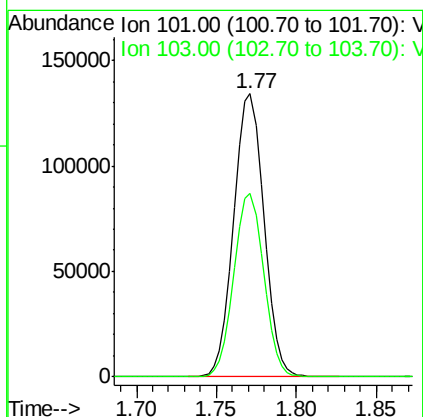
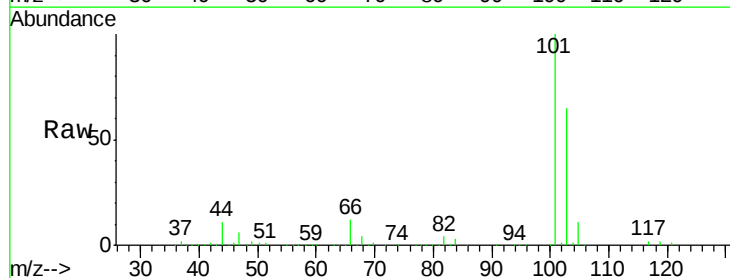
Instrument :
MSVOA_V
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VSTD00567

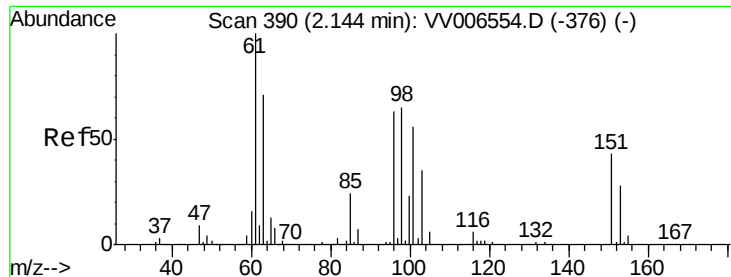
Tgt Ion: 64 Resp: 81716
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.764 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion: 101 Resp: 172318
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3





#10

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

Concen: 4.920 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

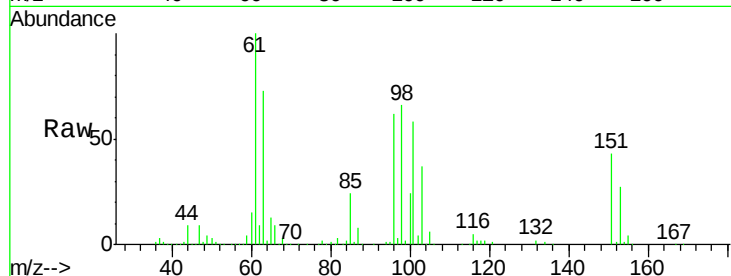
Tgt Ion: 101 Resp: 109945

Ion Ratio Lower Upper

101 100

85 41.9 33.1 49.7

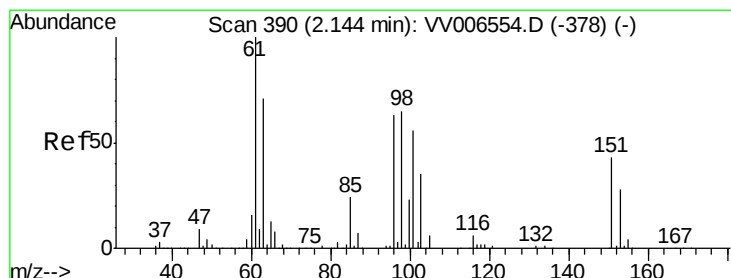
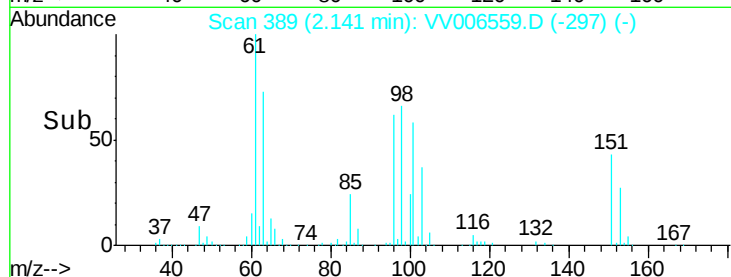
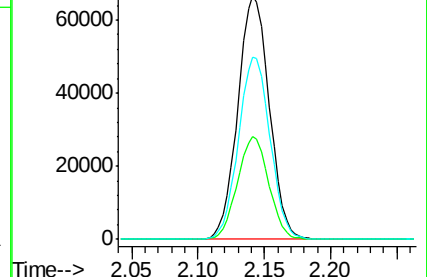
151 75.4 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006559.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006559.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006559.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.576 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

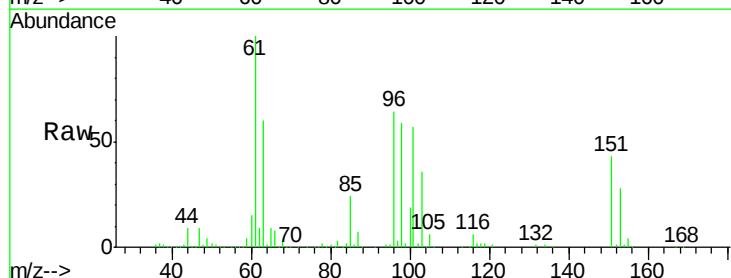
Tgt Ion: 96 Resp: 103446

Ion Ratio Lower Upper

96 100

61 155.4 110.7 205.7

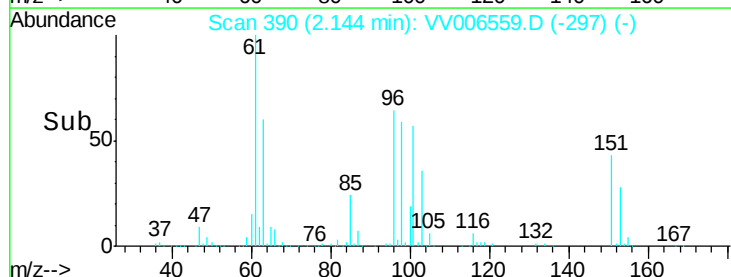
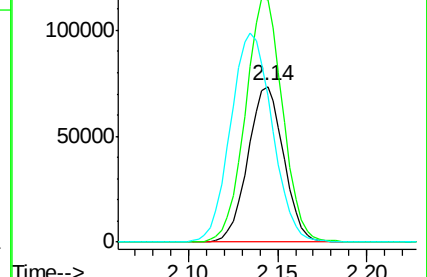
63 93.9 79.0 146.8

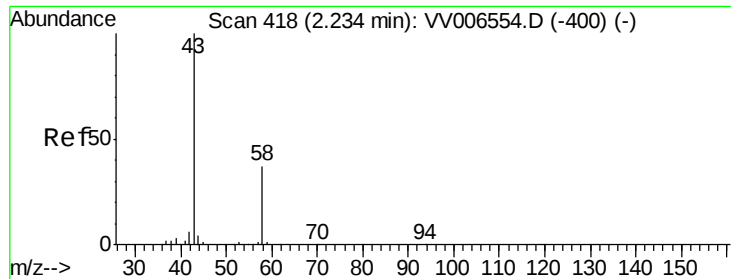


Abundance Ion 96.00 (95.70 to 96.70): VV006559.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006559.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006559.D (-297) (-)





#13

Acetone

Concen: 40.053 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.03 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

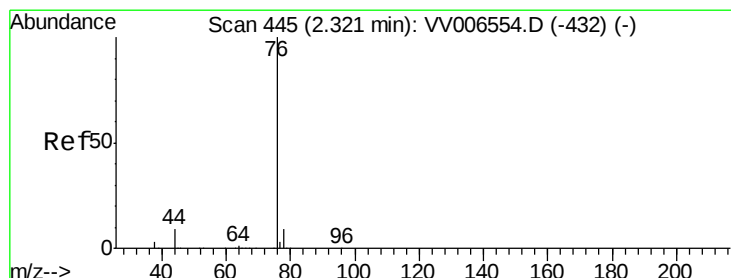
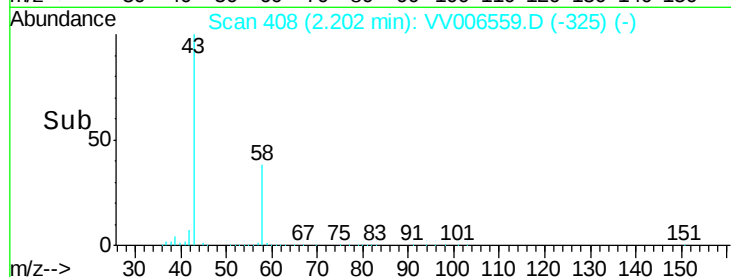
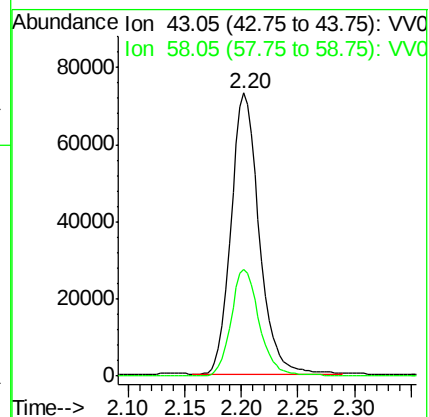
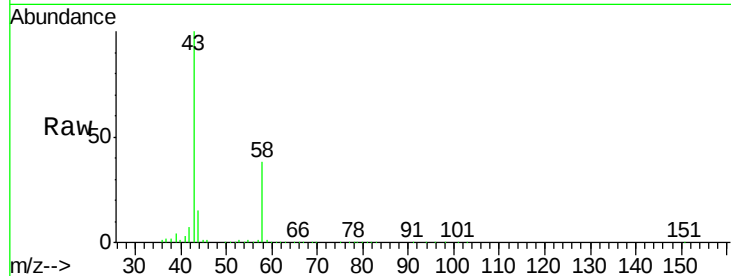
VSTD00567

Tgt Ion: 43 Resp: 126316

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.2



#14

Carbon disulfide

Concen: 4.859 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006559.D

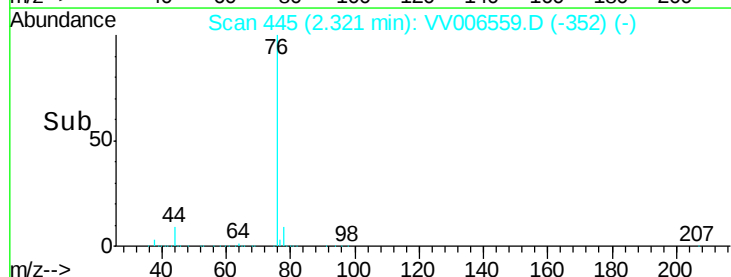
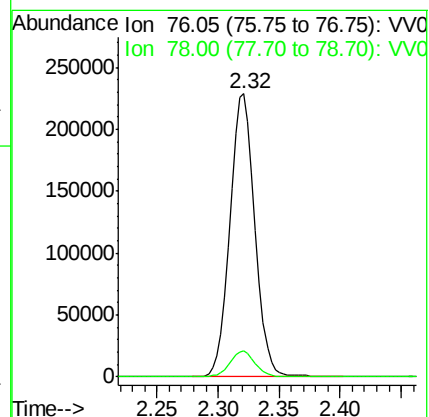
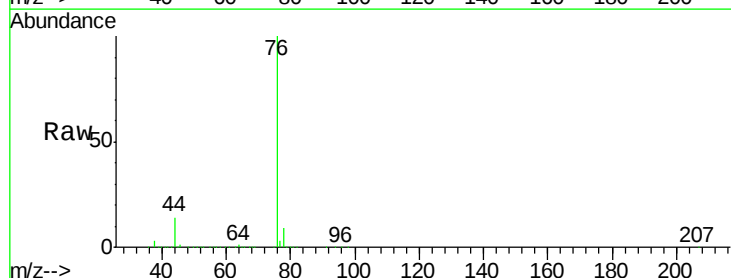
Acq: 09 Jul 2018 14:55

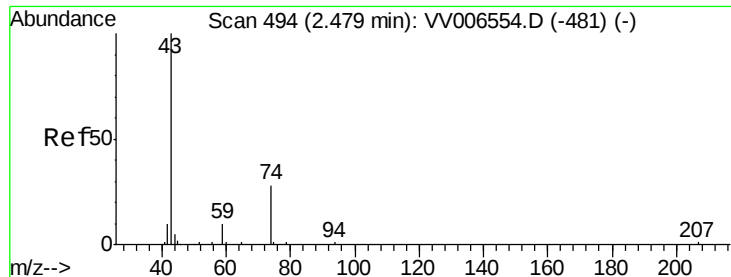
Tgt Ion: 76 Resp: 328572

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 4.001 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.01 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

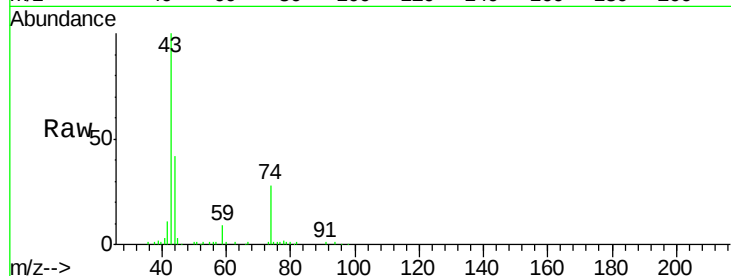
VSTD00567

Tgt Ion: 43 Resp: 37148

Ion Ratio Lower Upper

43 100

74 27.7 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV006559.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VV006559.D (-421) (-)

2.47

25000

20000

15000

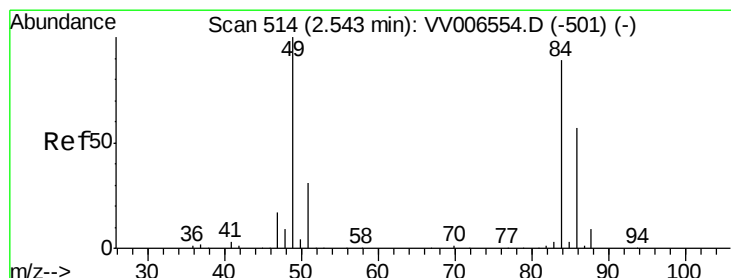
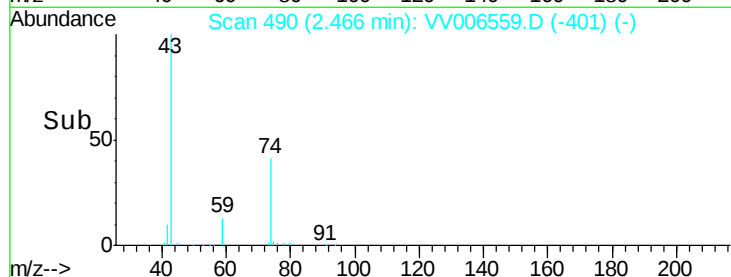
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.371 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

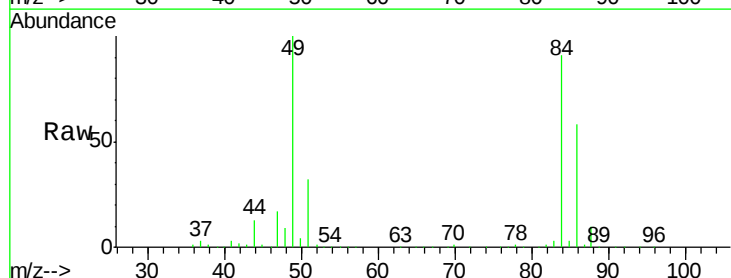
Tgt Ion: 84 Resp: 111413

Ion Ratio Lower Upper

84 100

86 63.7 44.7 82.9

49 110.1 78.7 146.1



Abundance Ion 84.05 (83.75 to 84.75): VV006559.D (-421) (-)

Ion 86.00 (85.70 to 86.70): VV006559.D (-421) (-)

Ion 49.10 (48.80 to 49.80): VV006559.D (-421) (-)

2.54

100000

80000

60000

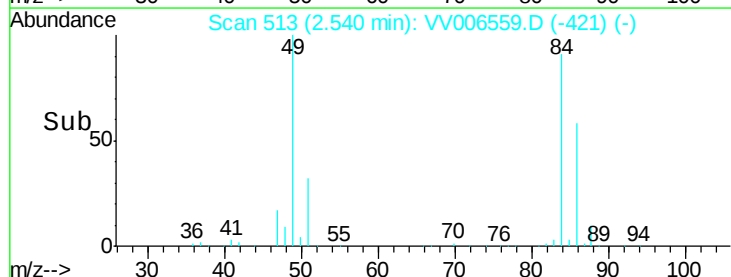
40000

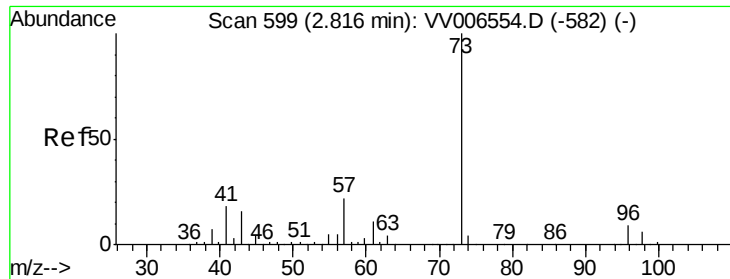
20000

0

Time-->

2.50 2.60

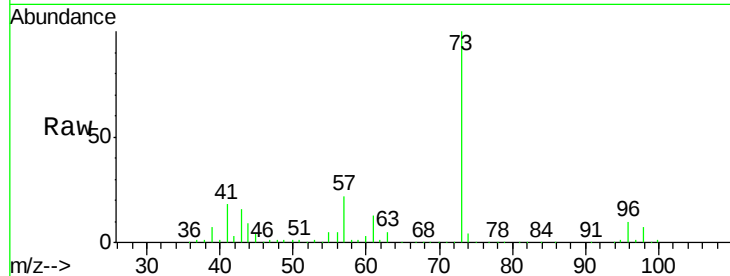




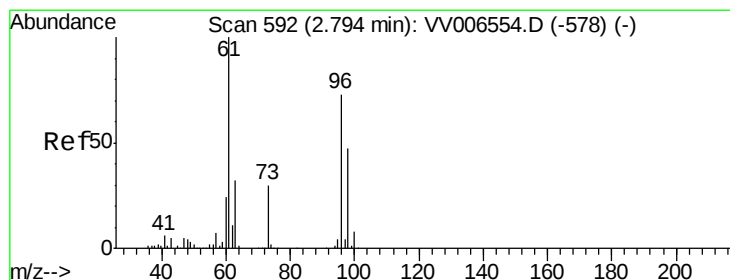
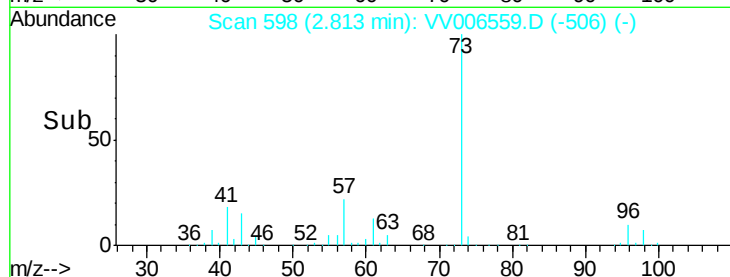
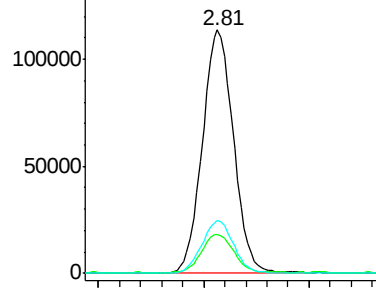
#17
Methyl tert-butyl Ether
Concen: 4.347 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tgt Ion: 73 Resp: 232792
Ion Ratio Lower Upper
73 100
43 16.2 12.5 18.7
57 22.2 17.7 26.5

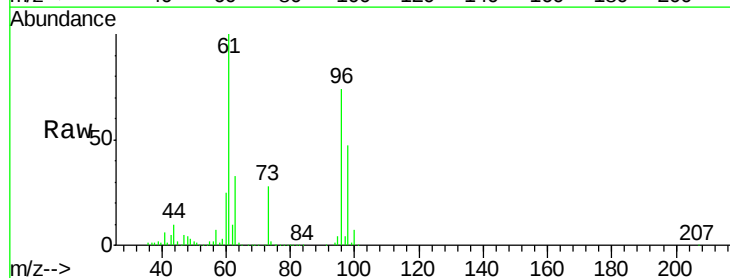


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

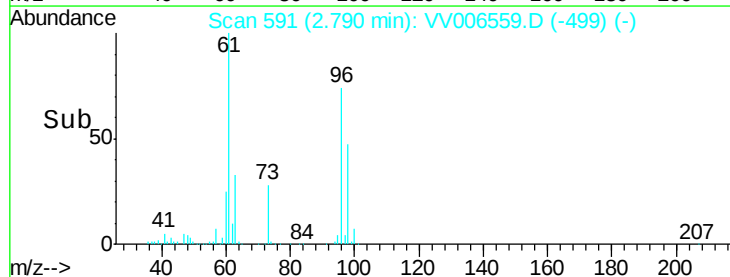
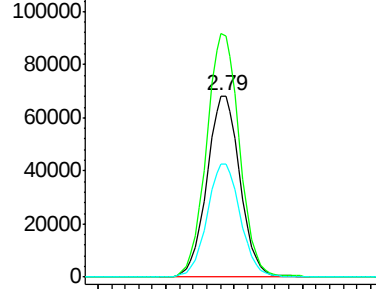


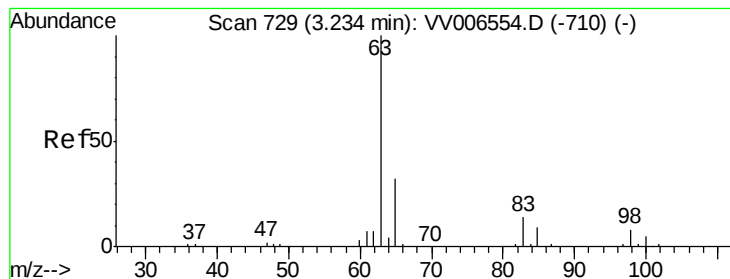
#18
trans-1,2-Dichloroethene
Concen: 4.642 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion: 96 Resp: 114505
Ion Ratio Lower Upper
96 100
61 134.4 96.5 179.3
98 62.6 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.687 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

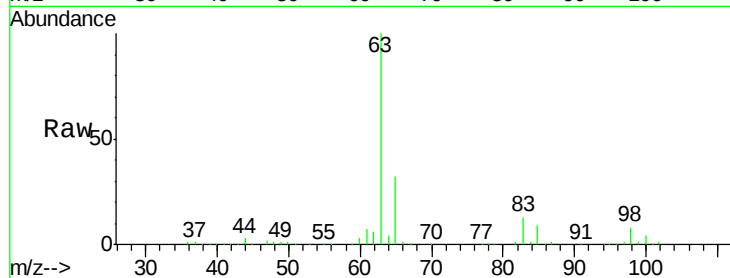
Tgt Ion: 63 Resp: 200621

Ion Ratio Lower Upper

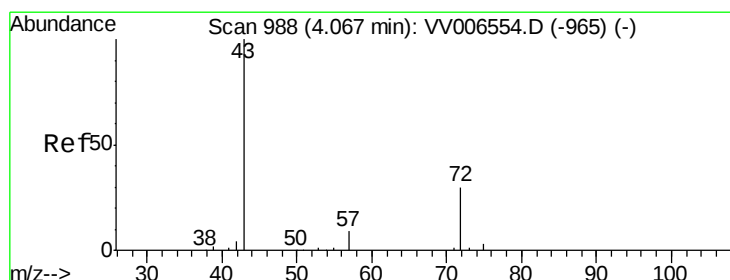
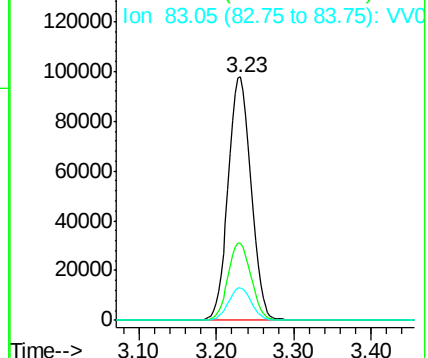
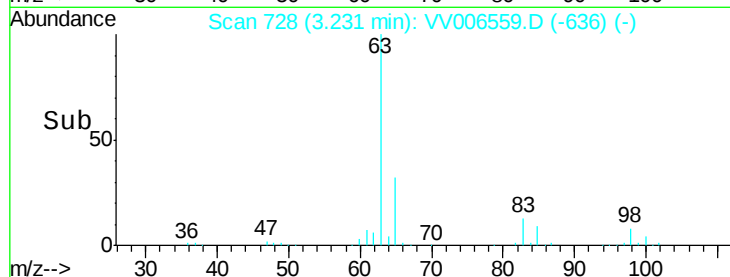
63 100

65 31.8 22.0 41.0

83 13.3 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV006559.D (-636) (-)



#21

2-Butanone

Concen: 41.816 ug/L

RT: 4.04 min Scan# 981

Delta R.T. -0.02 min

Lab File: VV006559.D

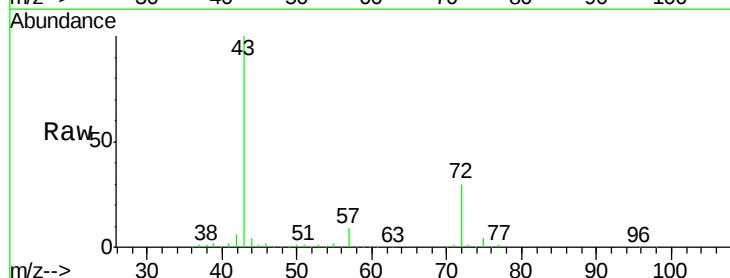
Acq: 09 Jul 2018 14:55

Tgt Ion: 43 Resp: 216373

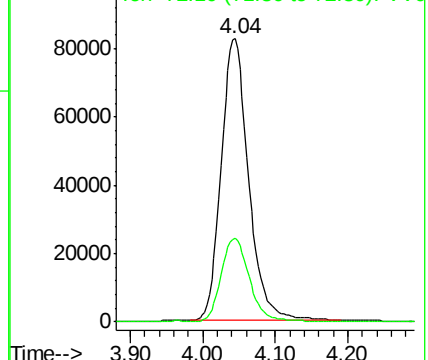
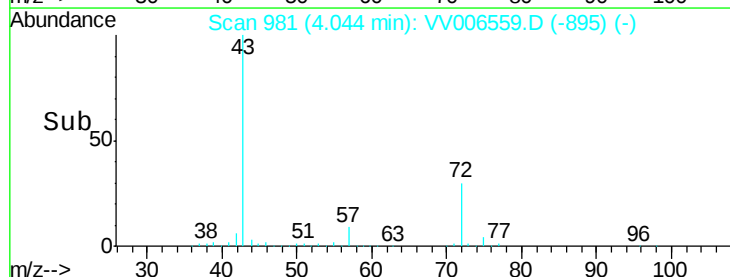
Ion Ratio Lower Upper

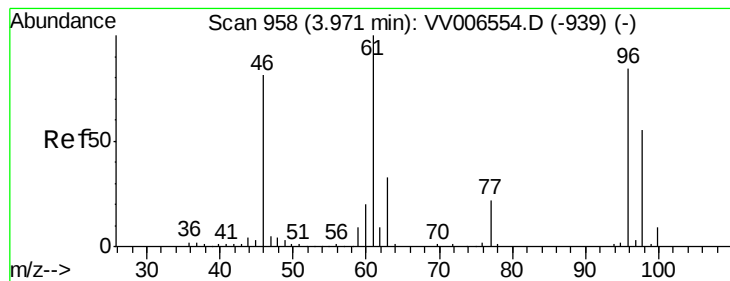
43 100

72 30.0 15.1 45.3



Abundance Ion 43.05 (42.75 to 43.75): VV006559.D (-895) (-)



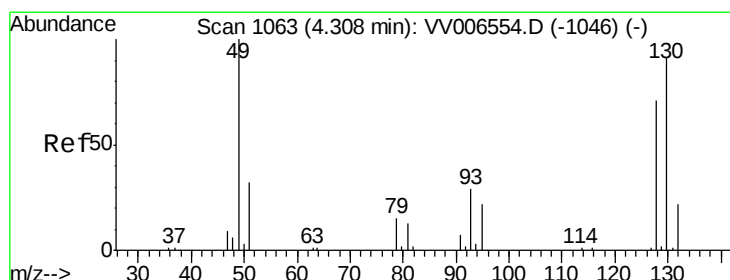
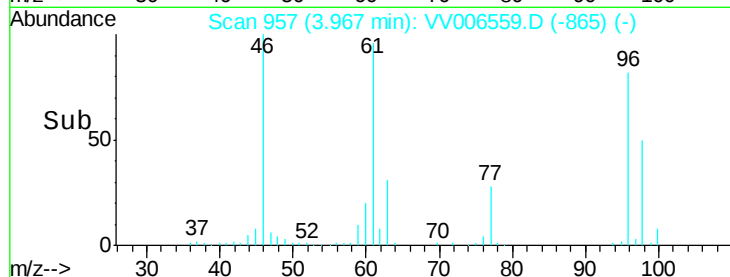
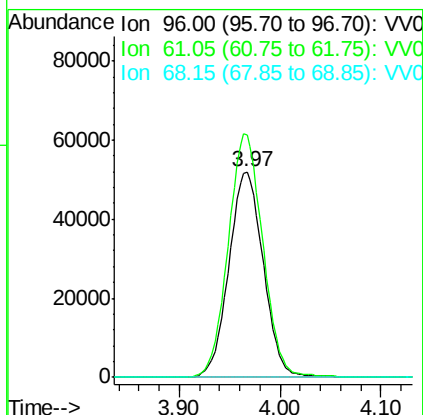
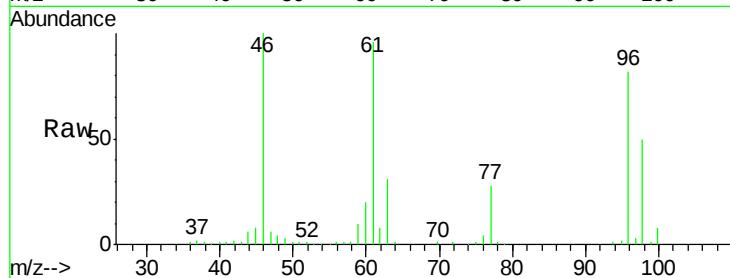


#22

cis-1,2-Dichloroethene
 Concen: 4.646 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

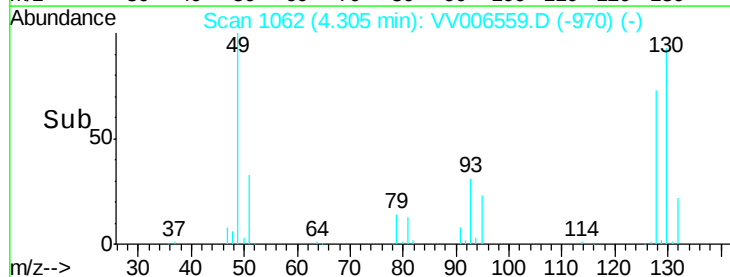
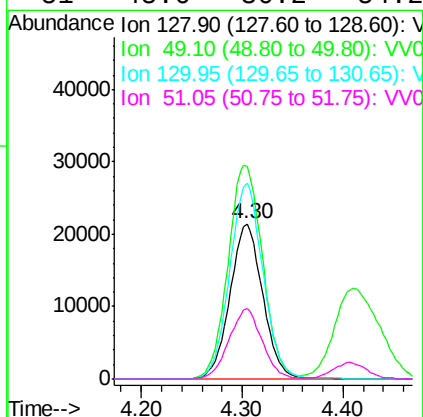
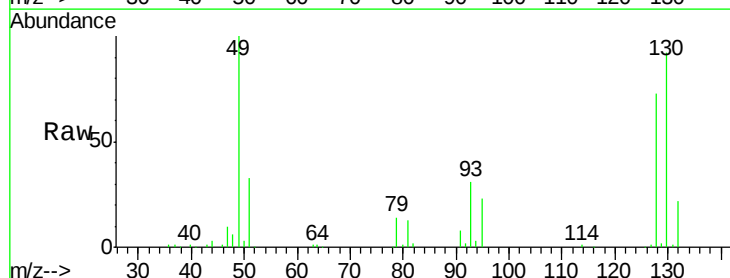
Tgt Ion: 96 Resp: 123111
 Ion Ratio Lower Upper
 96 100
 61 118.0 83.8 155.6
 68 0.0 0.0 0.0

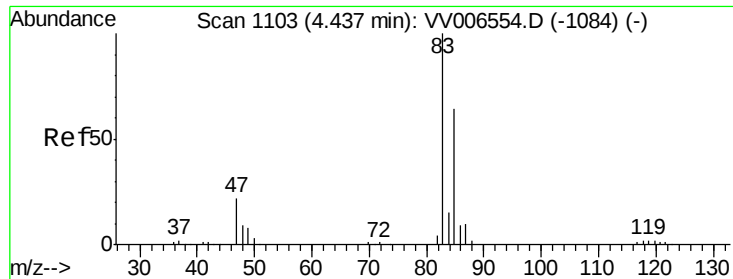


#23

Bromochloromethane
 Concen: 4.488 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 128 Resp: 48718
 Ion Ratio Lower Upper
 128 100
 49 137.0 98.8 183.4
 130 126.5 89.5 166.1
 51 45.6 36.2 54.2

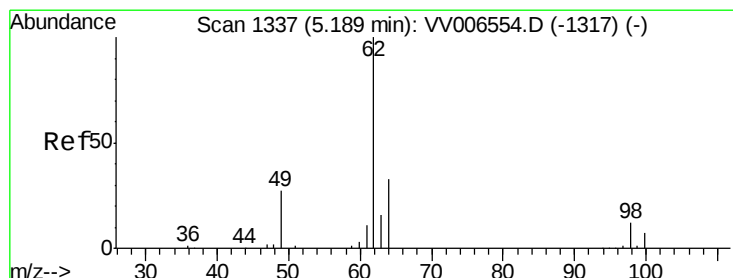
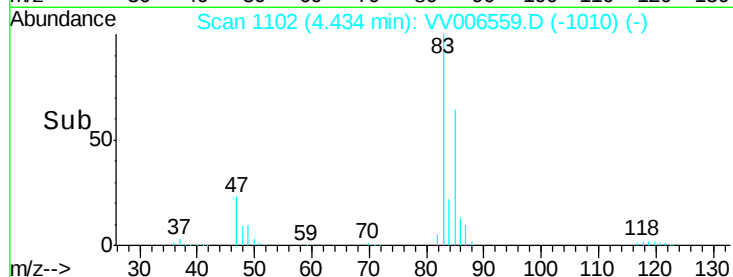
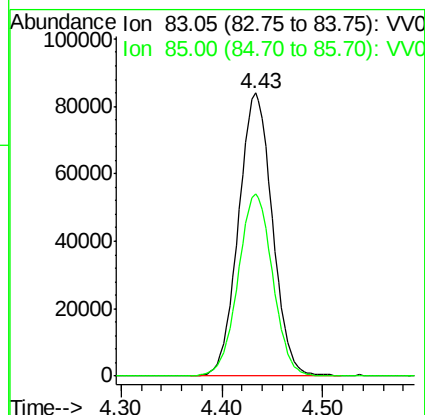
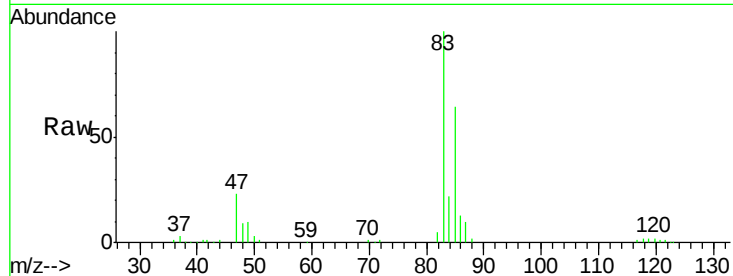




#25
Chloroform
Concen: 4.588 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

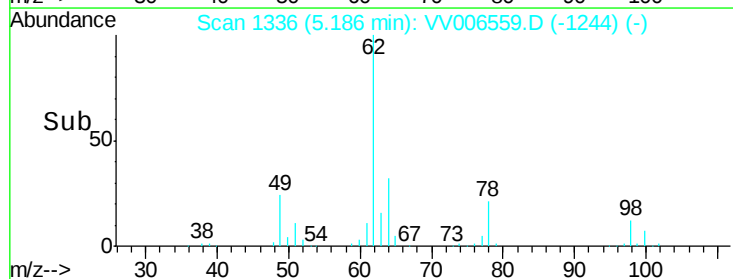
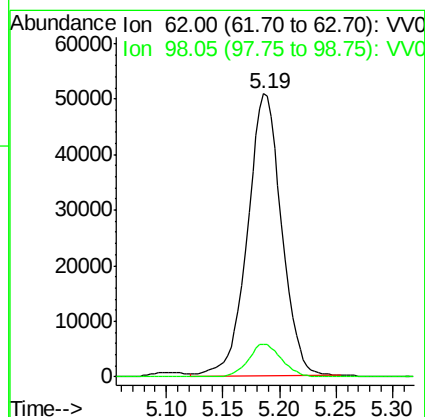
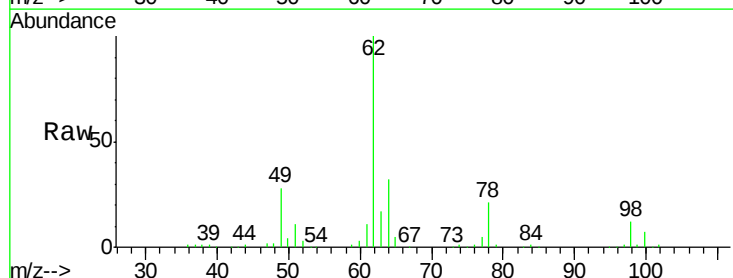
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

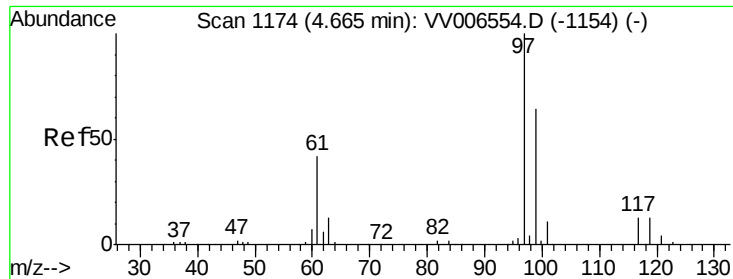
Tgt Ion: 83 Resp: 195342
Ion Ratio Lower Upper
83 100
85 64.4 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.407 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion: 62 Resp: 106550
Ion Ratio Lower Upper
62 100
98 11.7 9.5 14.3

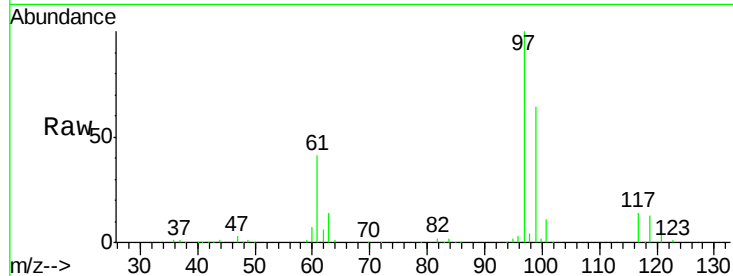




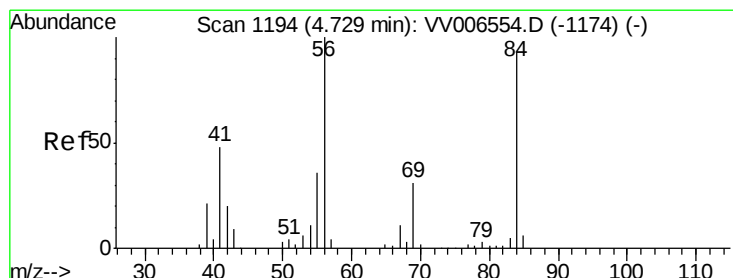
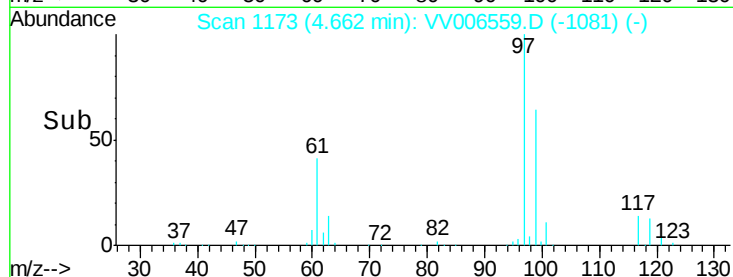
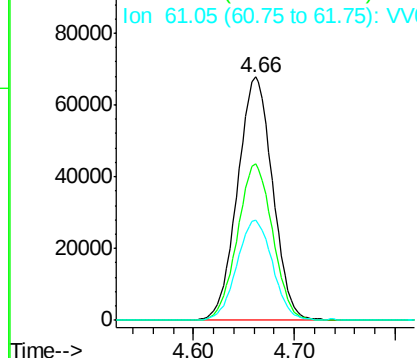
#29
 1,1,1-Trichloroethane
 Concen: 4.755 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tgt Ion: 97 Resp: 163541
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.2 76.8
 61 41.9 33.7 50.5

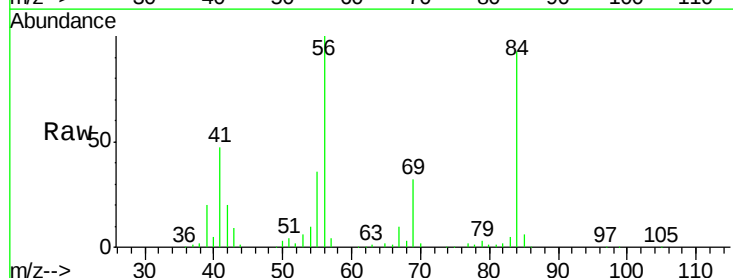


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

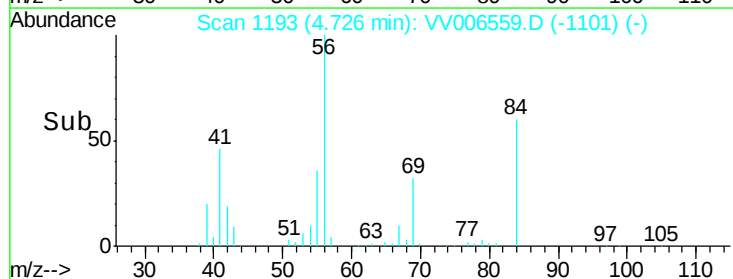
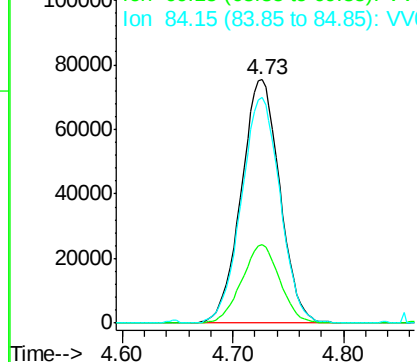


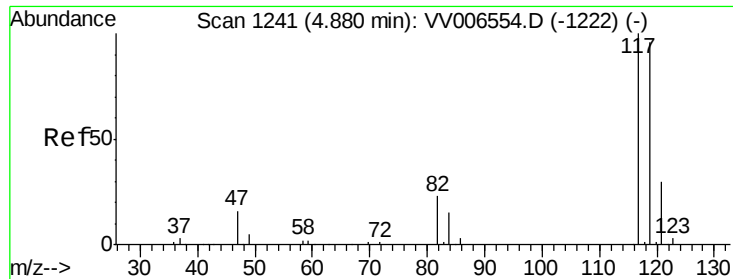
#30
 Cyclohexane
 Concen: 4.996 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 56 Resp: 182849
 Ion Ratio Lower Upper
 56 100
 69 31.8 25.5 38.3
 84 93.4 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: 4.922 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

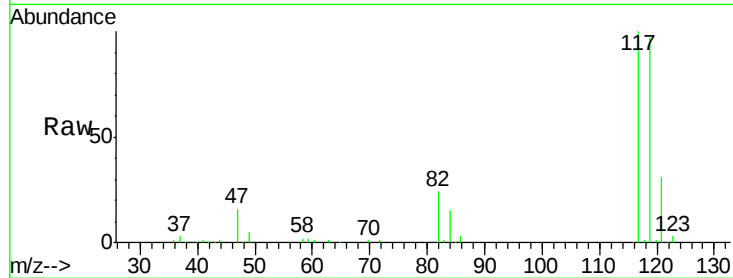
VSTD00567

Tgt Ion:117 Resp: 141635

Ion Ratio Lower Upper

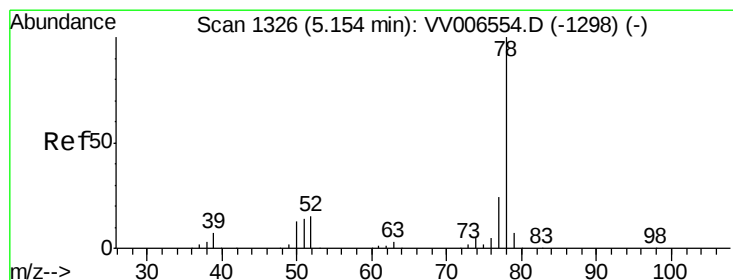
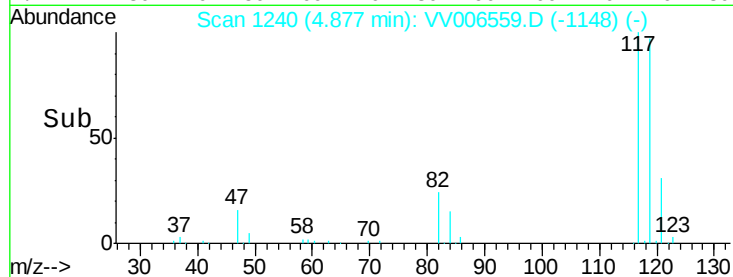
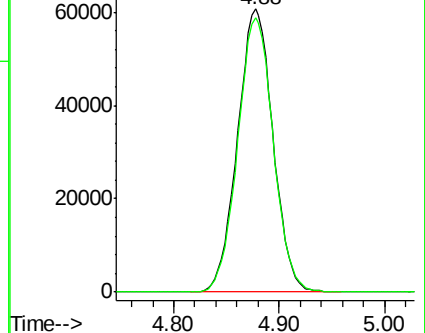
117 100

119 97.3 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: 4.709 ug/L

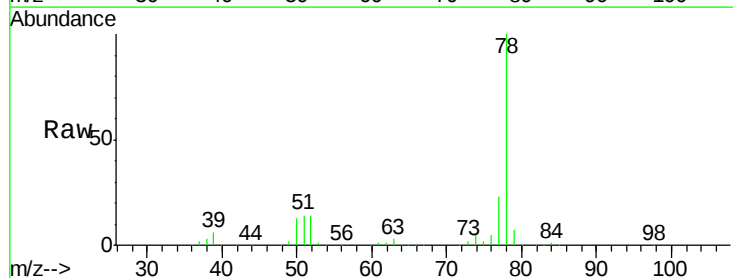
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

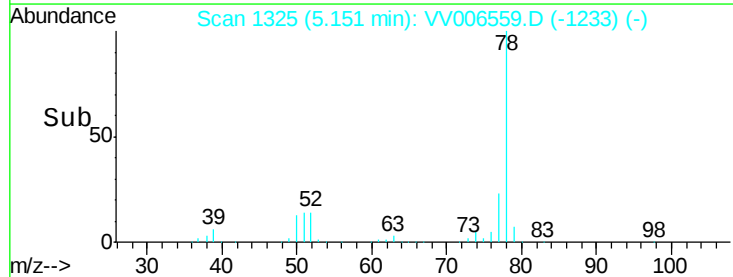
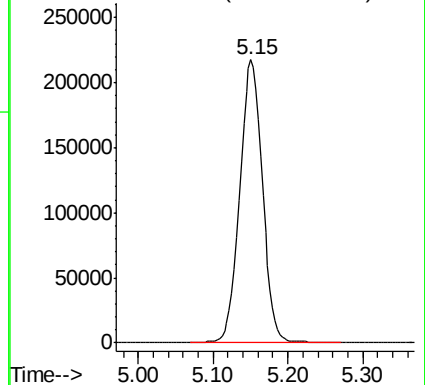
Lab File: VV006559.D

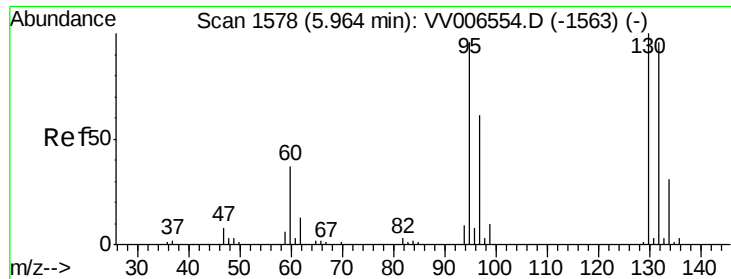
Acq: 09 Jul 2018 14:55

Tgt Ion: 78 Resp: 461378



Abundance Ion 78.10 (77.80 to 78.80): VV0

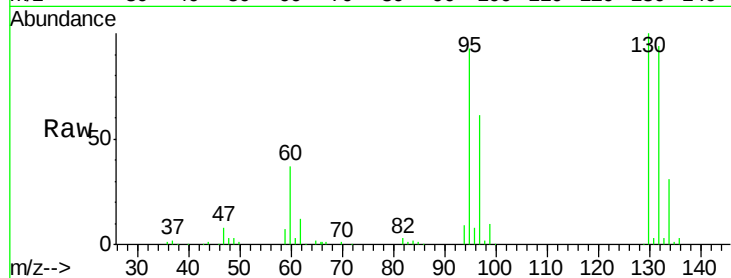




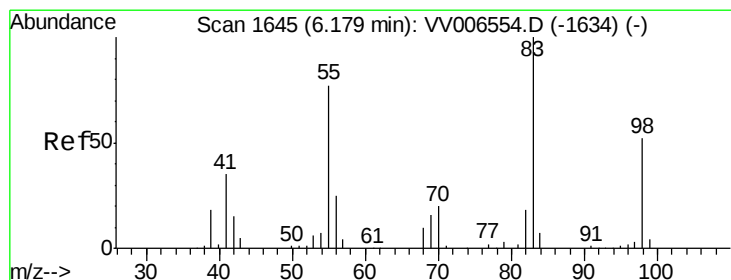
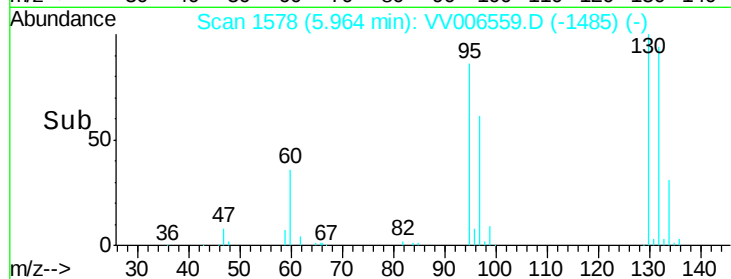
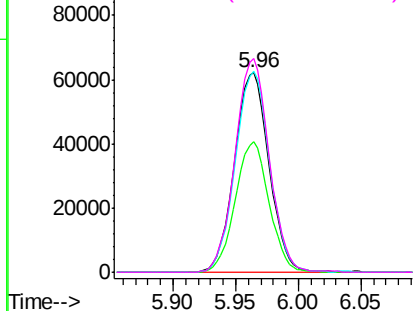
#34
 Trichloroethene
 Concen: 4.727 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tgt Ion: 95 Resp: 118785
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.3 82.3
 132 100.9 70.0 130.0
 130 107.2 72.7 134.9

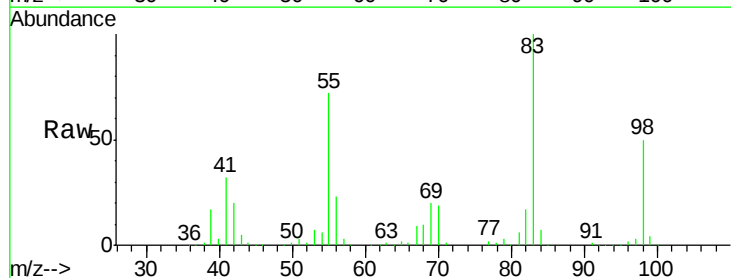


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

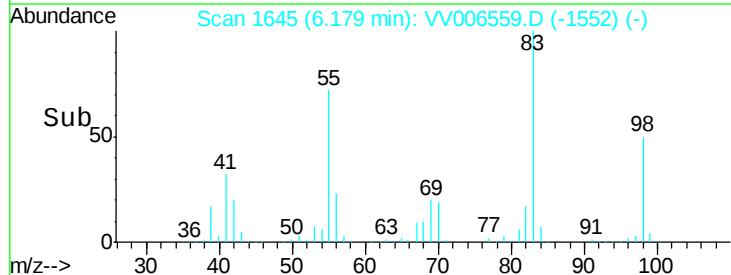
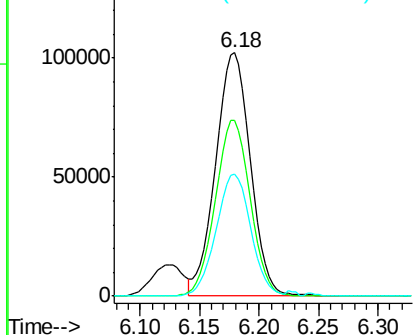


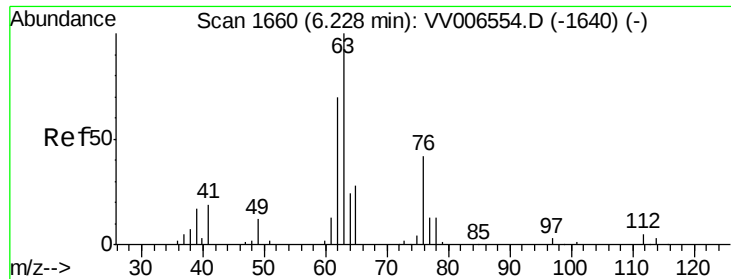
#35
 Methylcyclohexane
 Concen: 5.121 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 83 Resp: 207259
 Ion Ratio Lower Upper
 83 100
 55 72.3 58.3 87.5
 98 49.9 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

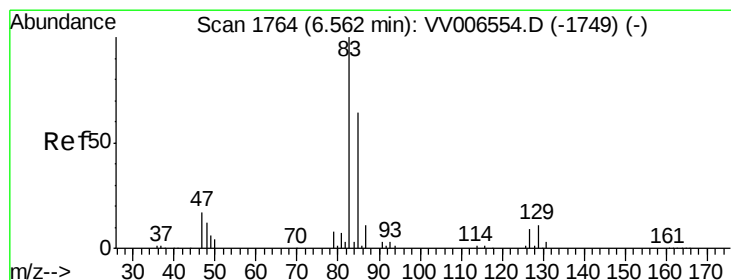
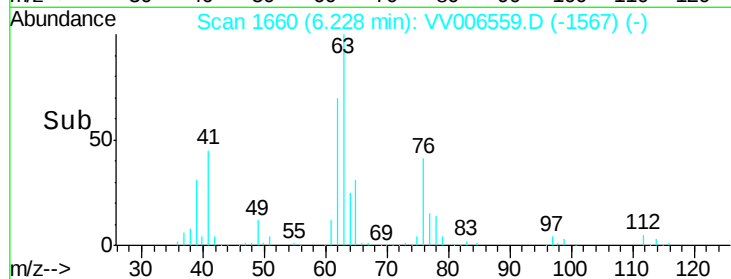
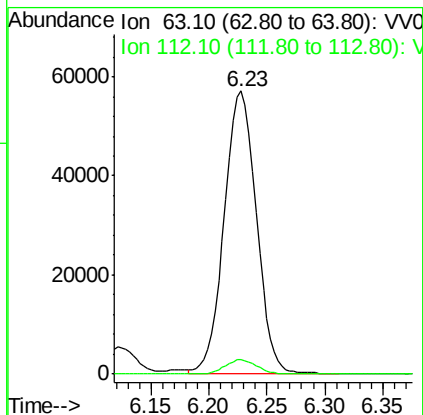
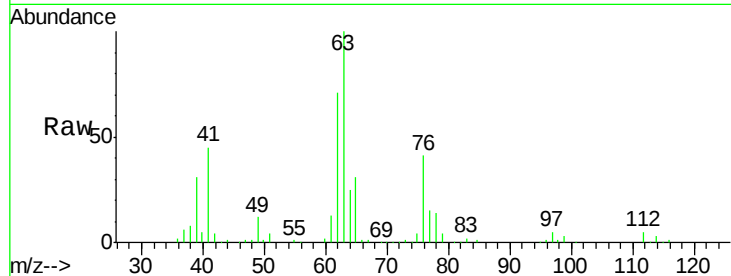




#37
 1,2-Dichloropropane
 Concen: 4.562 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

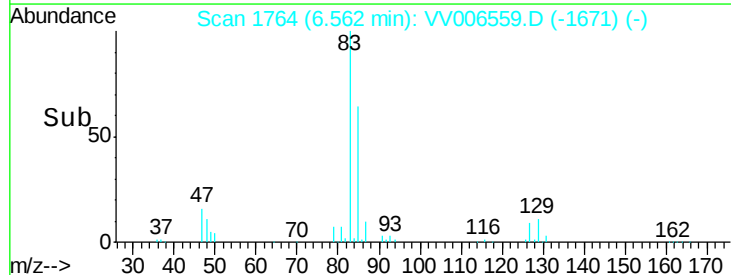
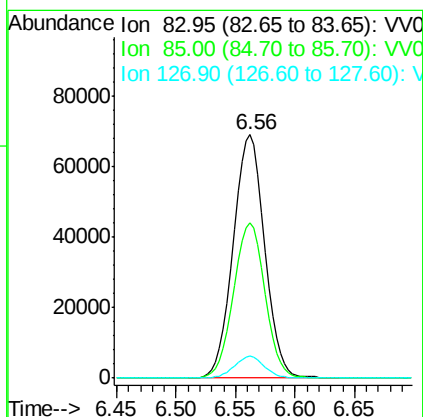
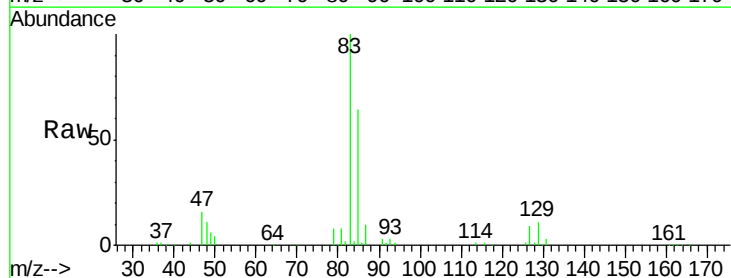
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

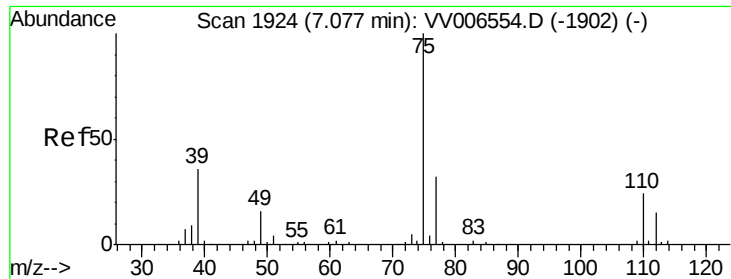
Tgt Ion: 63 Resp: 109320
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.689 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 83 Resp: 126705
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.7
 127 9.0 6.9 10.3

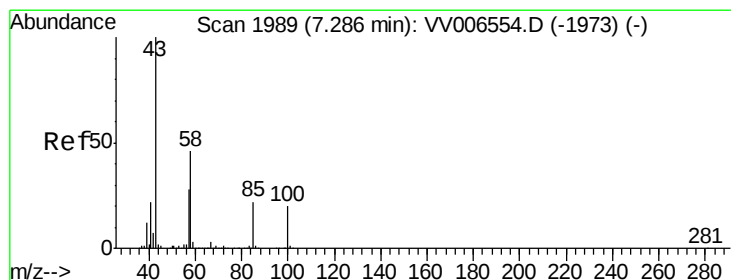
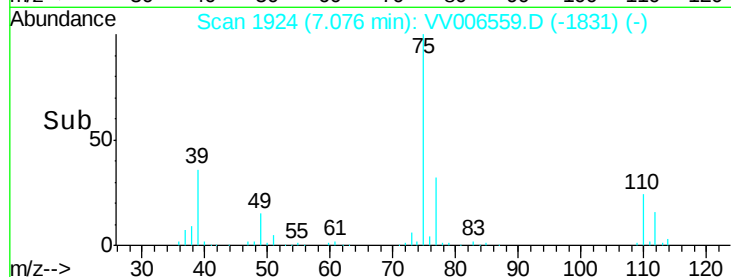
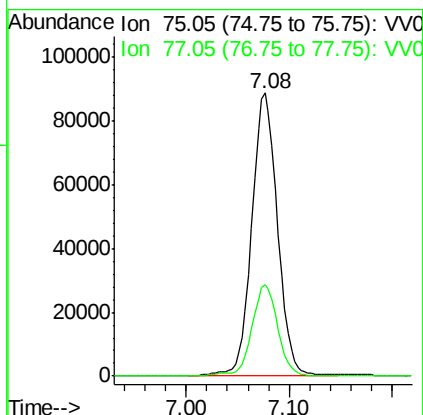
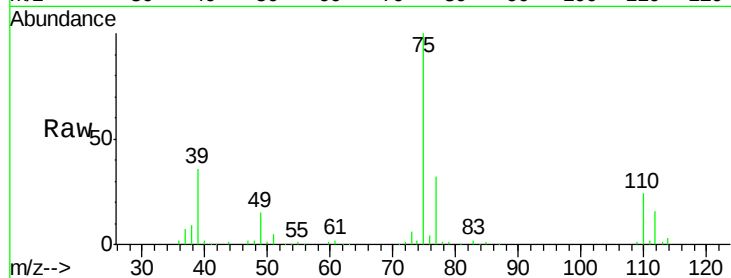




#39
 cis-1,3-Dichloropropene
 Concen: 4.789 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

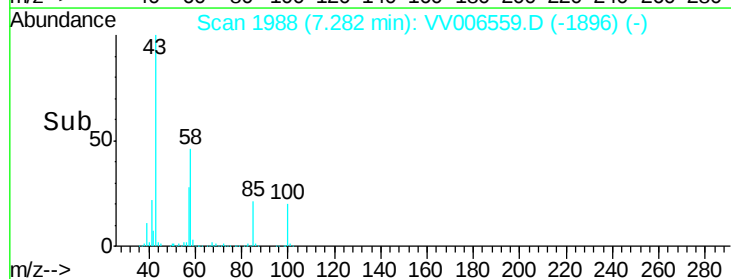
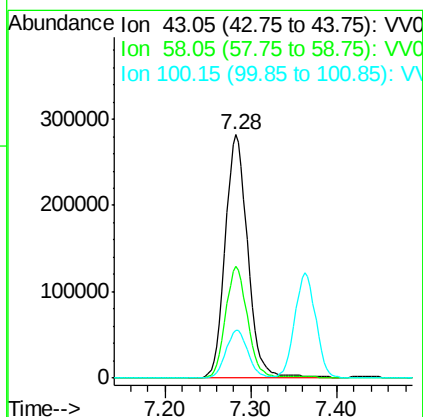
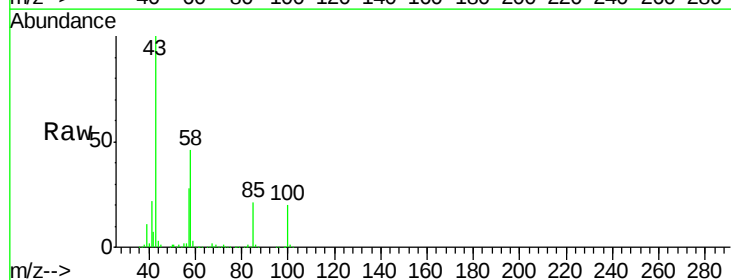
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

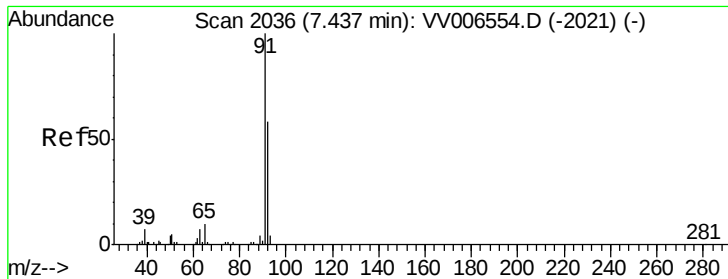
Tgt Ion: 75 Resp: 154047
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 42.378 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 43 Resp: 514786
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.8 53.6
 100 19.4 15.4 23.0





#42

Toluene

Concen: 4.805 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

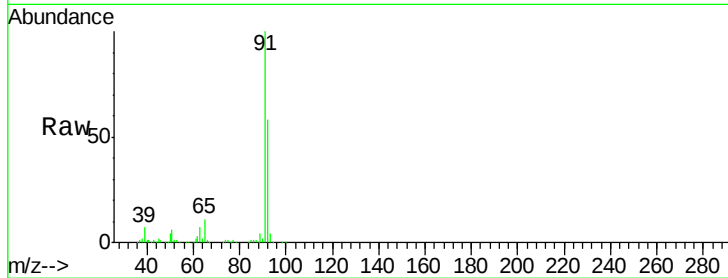
VSTD00567

Tgt Ion: 91 Resp: 489736

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006559.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006559.D (-1943) (-)

7.44

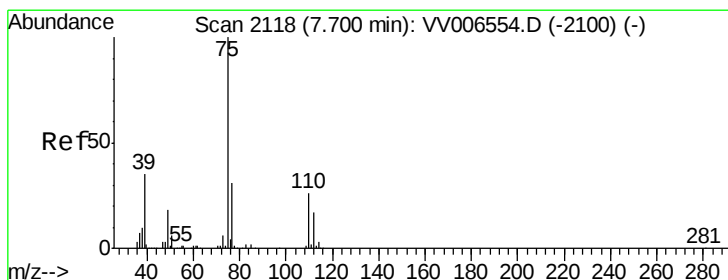
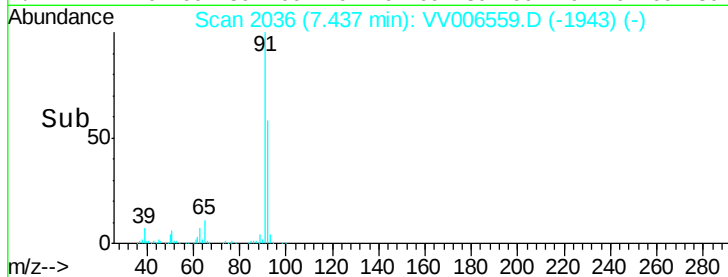
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.833 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006559.D

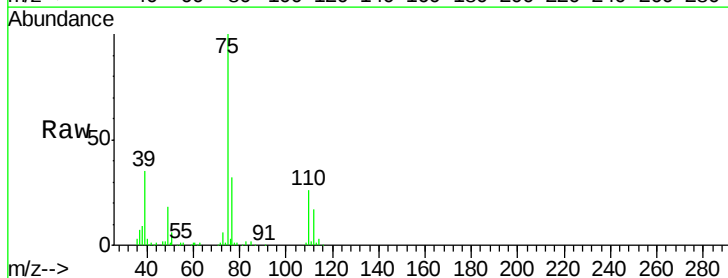
Acq: 09 Jul 2018 14:55

Tgt Ion: 75 Resp: 119994

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006559.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006559.D (-2025) (-)

7.70

80000

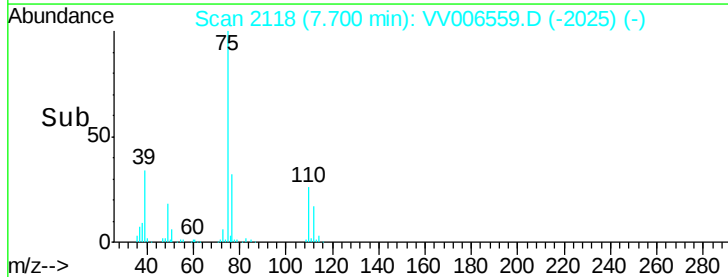
60000

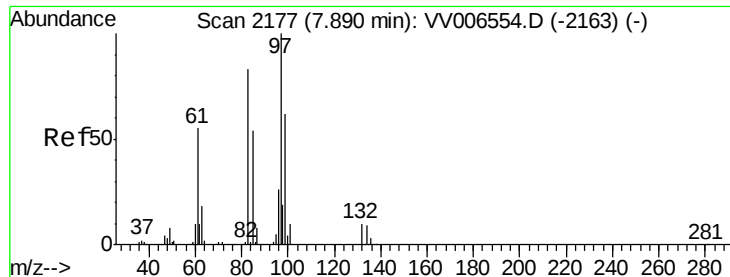
40000

20000

0

Time-->

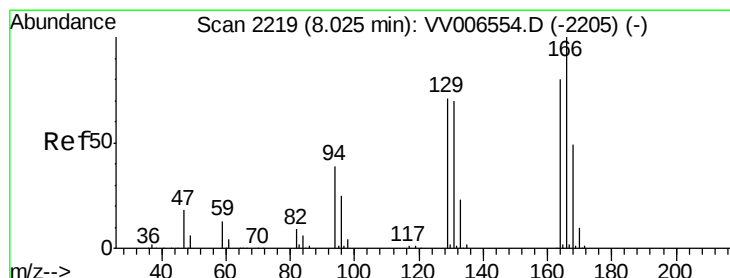
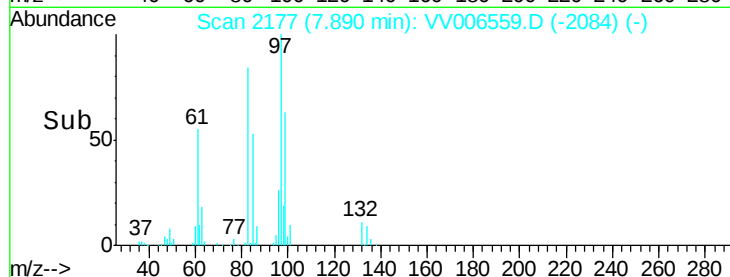
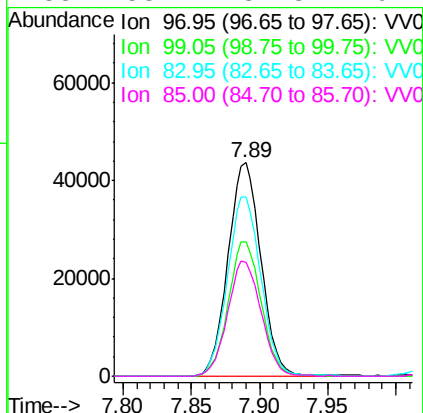
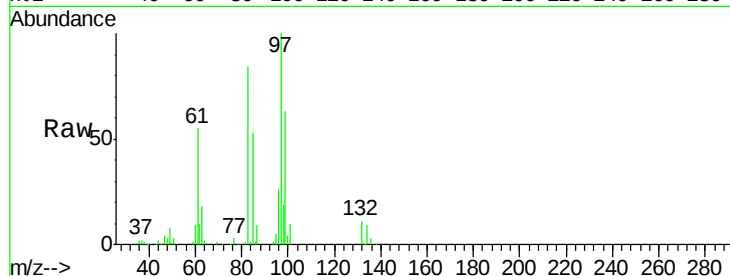




#45
 1,1,2-Trichloroethane
 Concen: 4.381 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

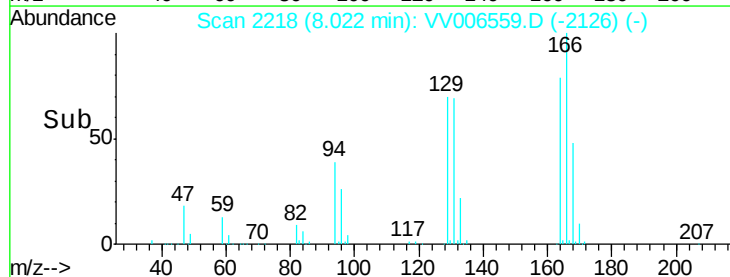
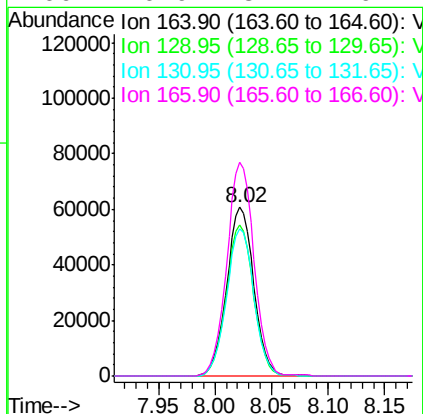
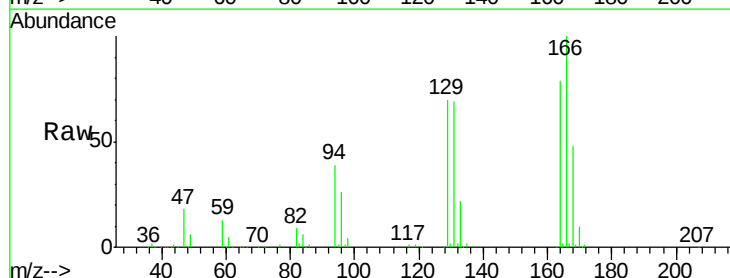
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

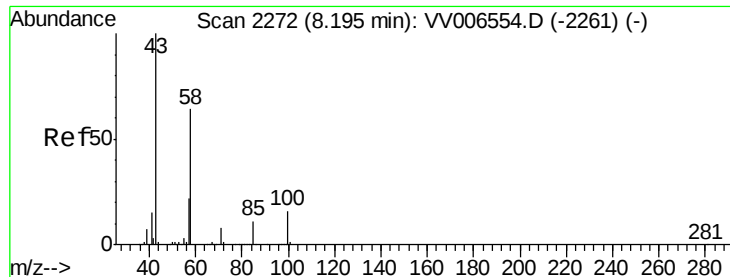
Tgt Ion:	97	Resp:	73468
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.3	80.3
83	83.7	58.0	107.8
85	53.4	37.8	70.2



#47
 Tetrachloroethene
 Concen: 4.890 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion:	164	Resp:	101048
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.1	115.3
131	87.2	60.8	113.0
166	126.9	87.1	161.7

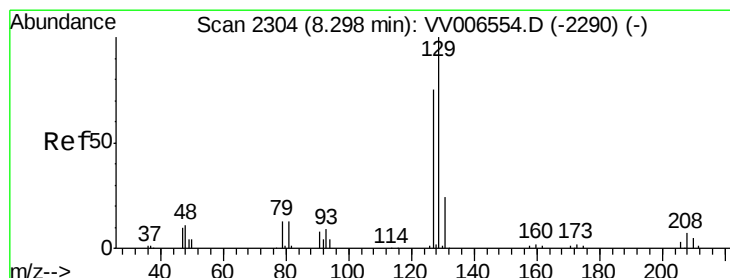
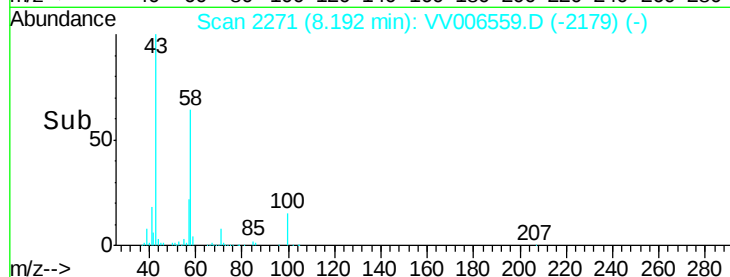
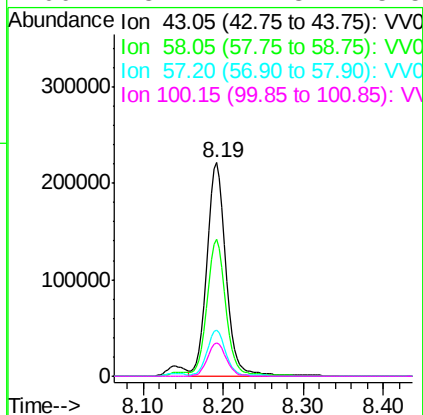
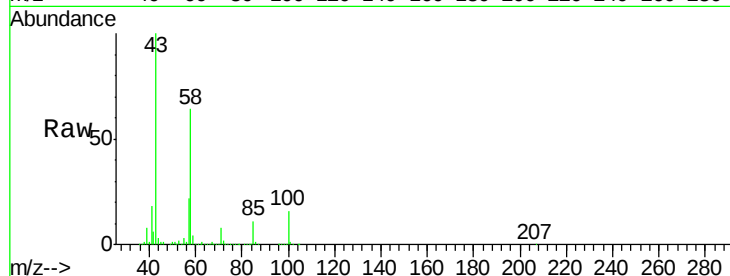




#48
2-Hexanone
Concen: 42.682 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

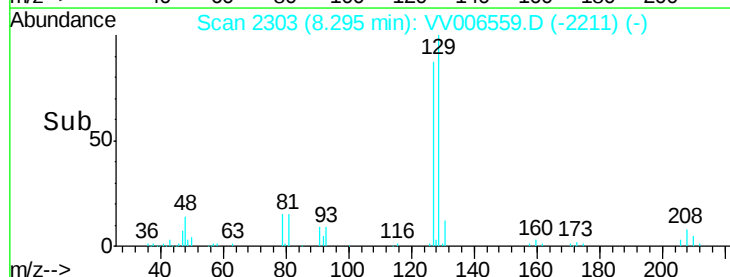
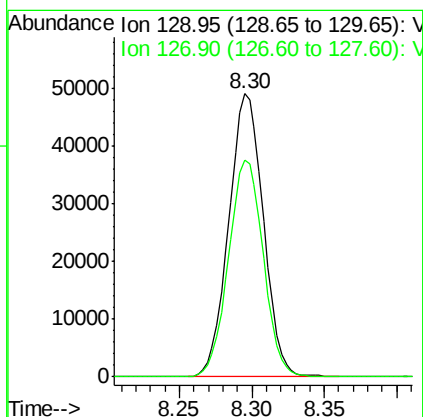
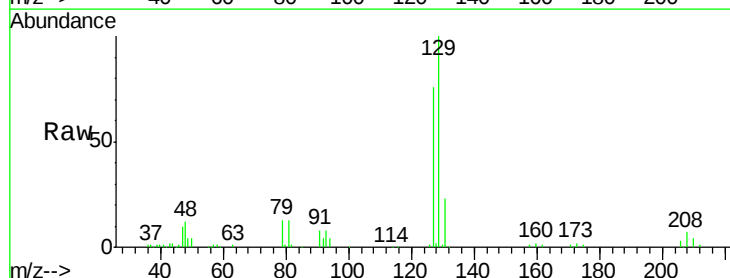
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

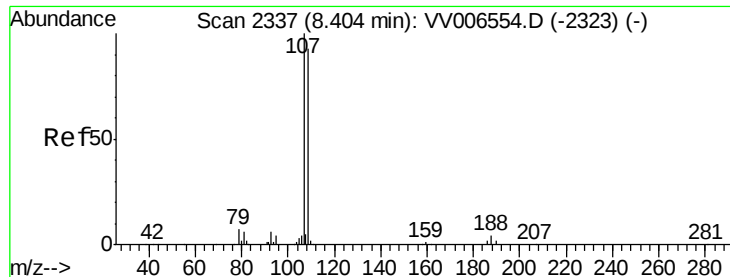
Tgt Ion: 43 Resp: 367627
Ion Ratio Lower Upper
43 100
58 63.3 50.3 75.5
57 21.6 17.0 25.4
100 15.7 12.3 18.5



#49
Dibromochloromethane
Concen: 4.634 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion: 129 Resp: 81035
Ion Ratio Lower Upper
129 100
127 76.5 52.7 97.9

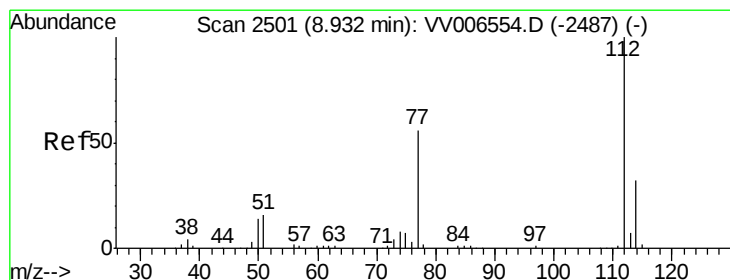
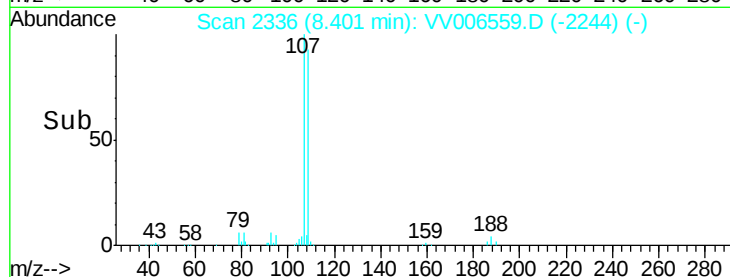
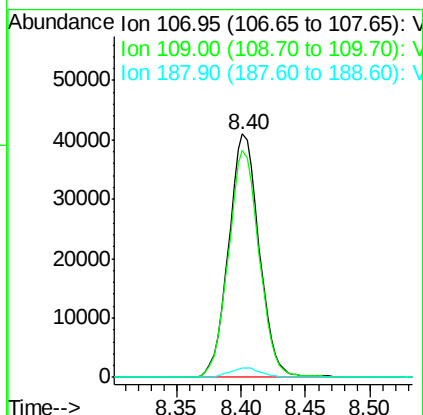
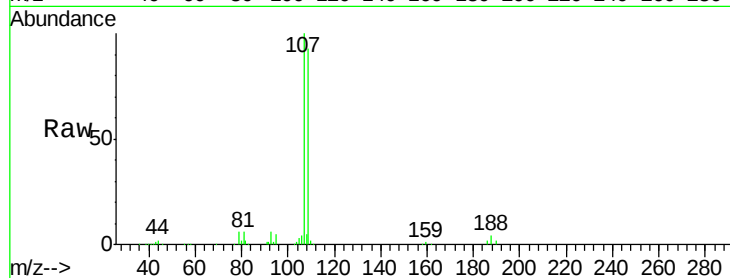




#50
1,2-Dibromoethane
Concen: 4.428 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

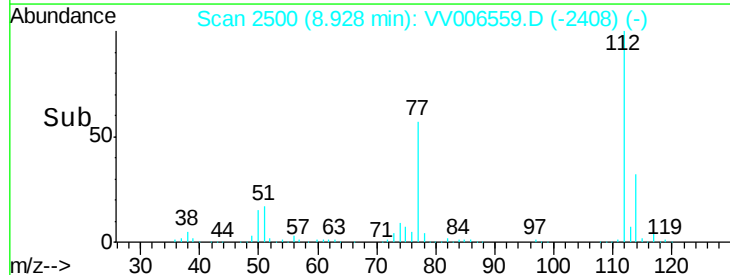
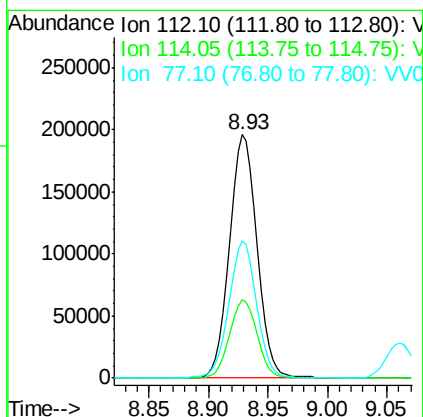
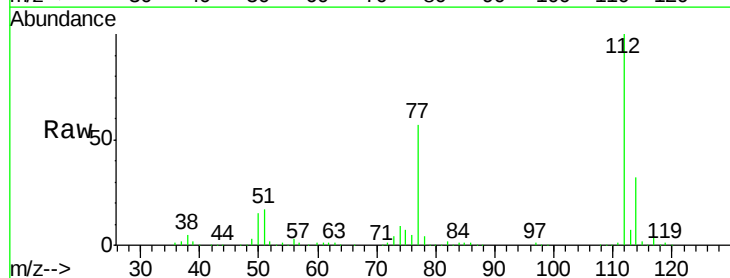
Instrument :
MSVOA_V
ClientSampled :
VSTD00567

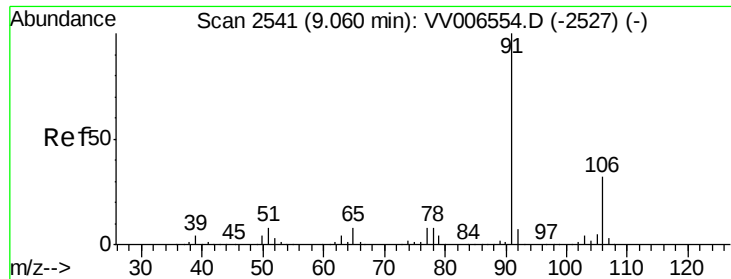
Tgt Ion:107 Resp: 67585
Ion Ratio Lower Upper
107 100
109 93.0 65.2 121.0
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 4.722 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion:112 Resp: 314825
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.6 45.1 67.7





#52

Ethylbenzene

Concen: 4.915 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

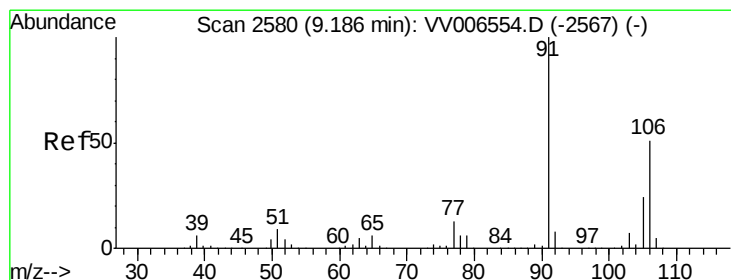
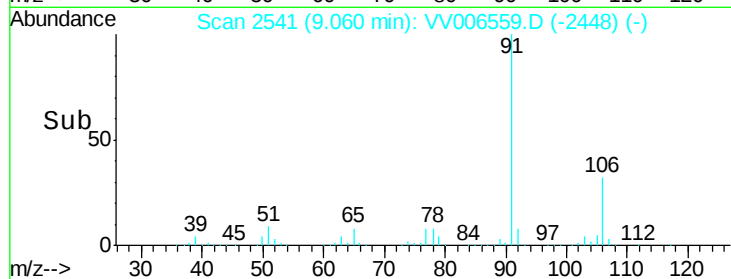
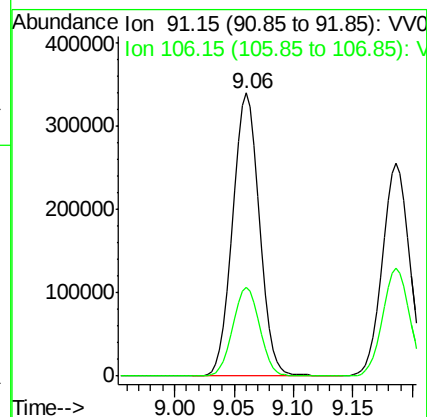
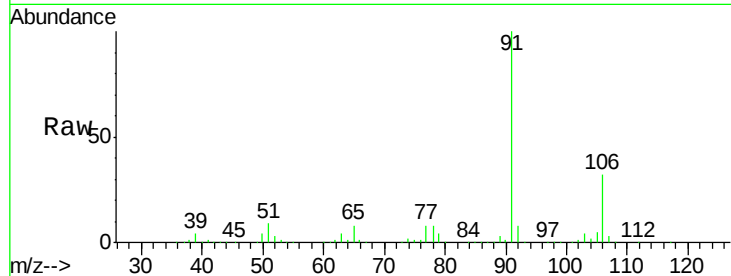
VSTD00567

Tgt Ion: 91 Resp: 532253

Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



#53

m,p-xylene

Concen: 4.940 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006559.D

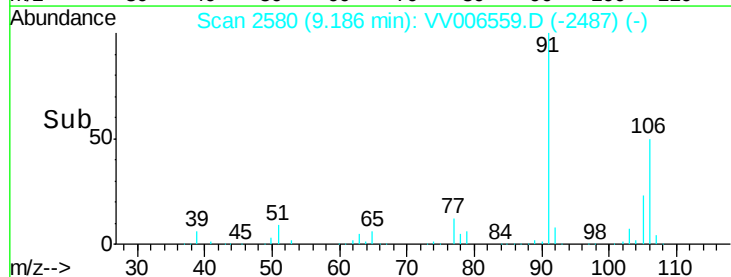
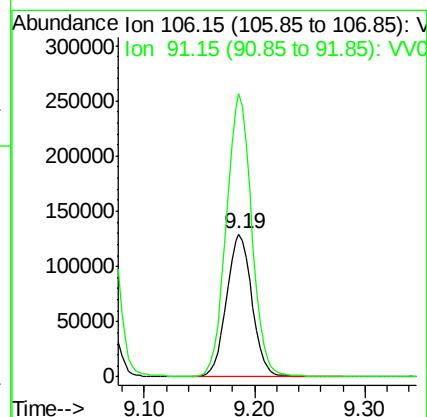
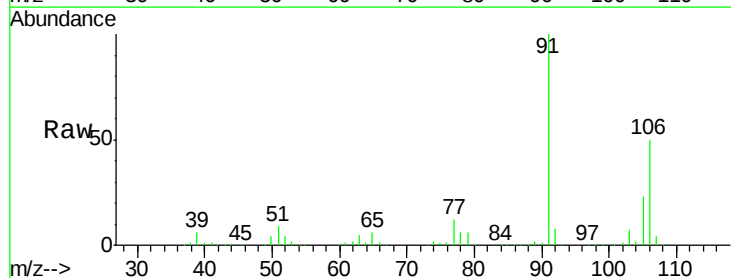
Acq: 09 Jul 2018 14:55

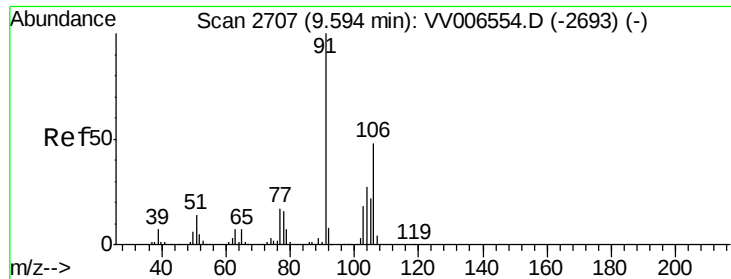
Tgt Ion: 106 Resp: 206090

Ion Ratio Lower Upper

106 100

91 198.5 137.5 255.3

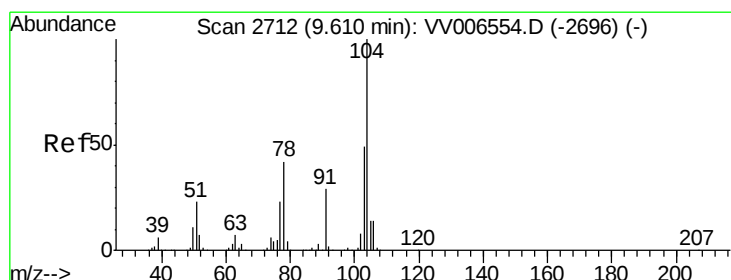
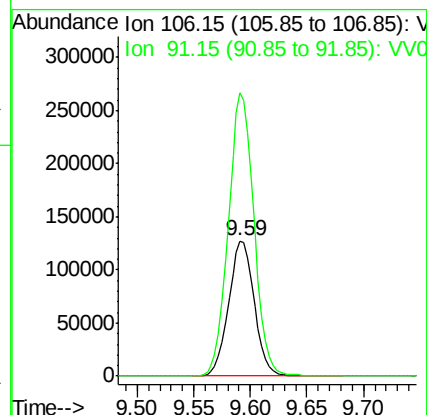
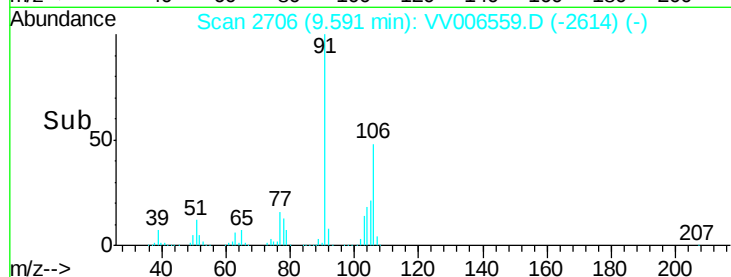
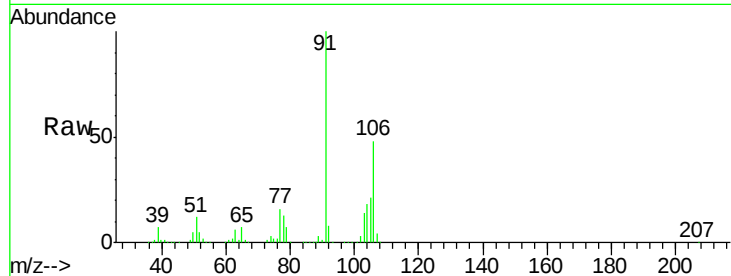




#54
o-xylene
Concen: 4.908 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

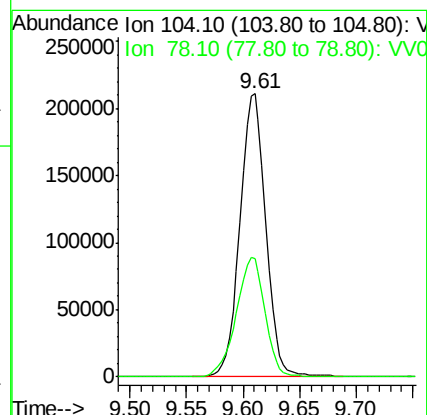
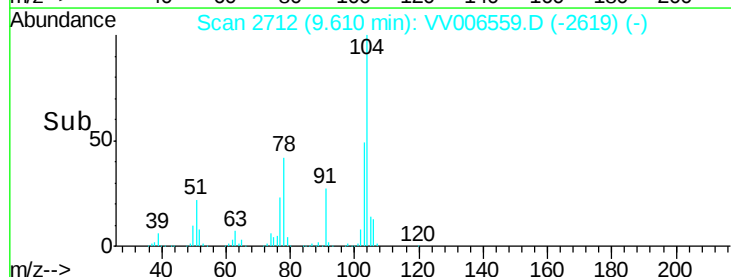
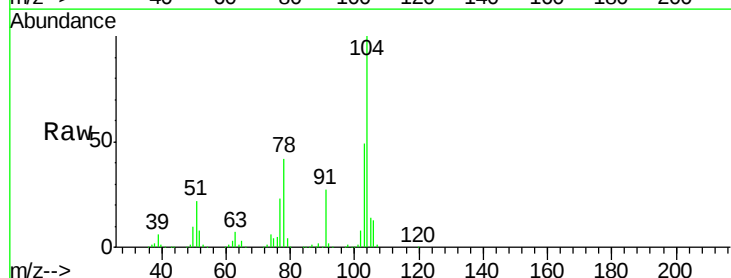
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

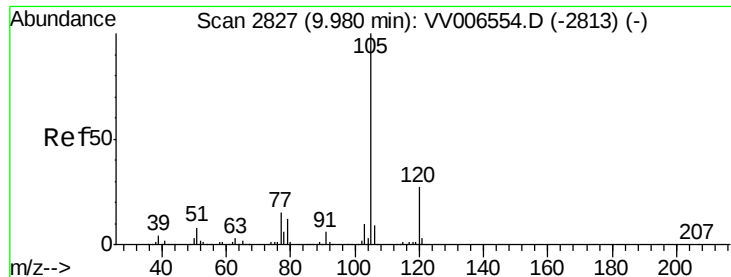
Tgt Ion:106 Resp: 200410
Ion Ratio Lower Upper
106 100
91 209.8 146.1 271.3



#55
Styrene
Concen: 4.900 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV006559.D
Acq: 09 Jul 2018 14:55

Tgt Ion:104 Resp: 336460
Ion Ratio Lower Upper
104 100
78 41.7 29.1 54.1





#56

Isopropylbenzene

Concen: 5.038 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

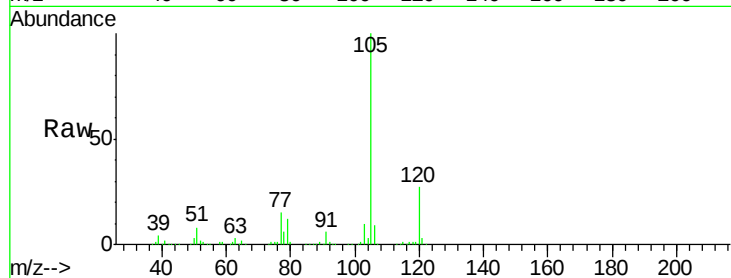
Tgt Ion: 105 Resp: 527637

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

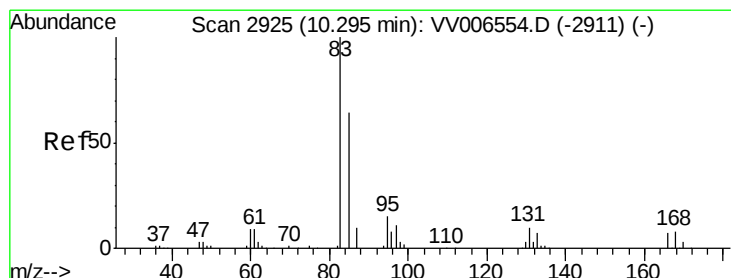
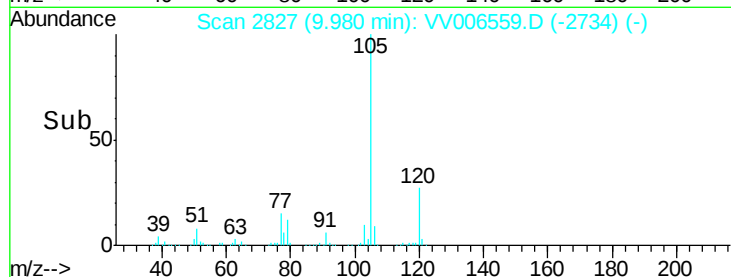
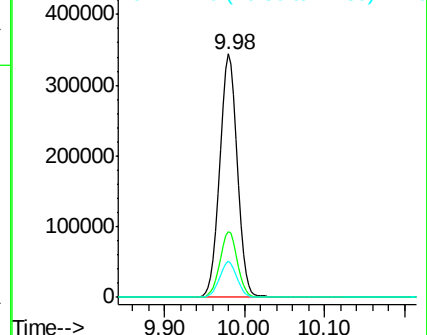
77 14.8 11.8 17.6



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: 4.295 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

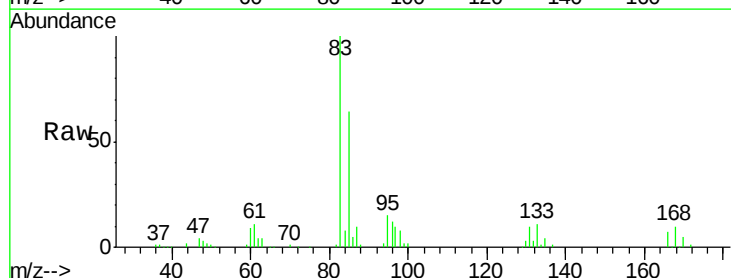
Tgt Ion: 83 Resp: 84964

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

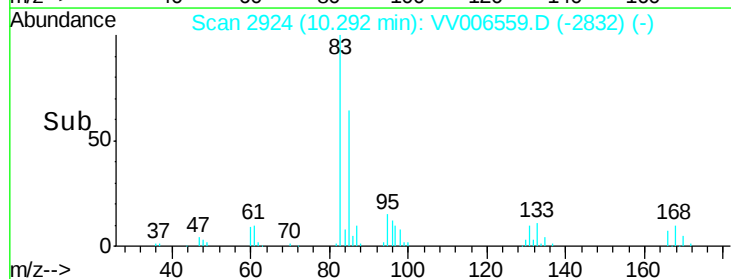
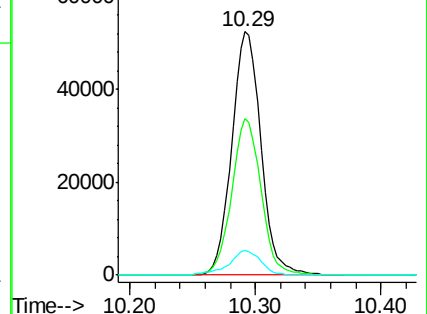
131 10.1 8.6 13.0

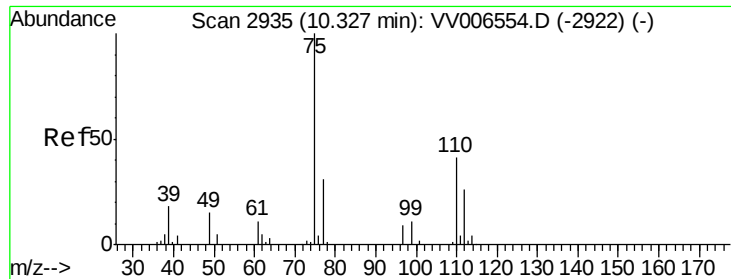


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

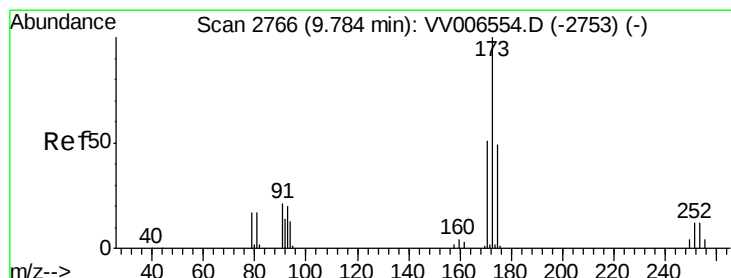
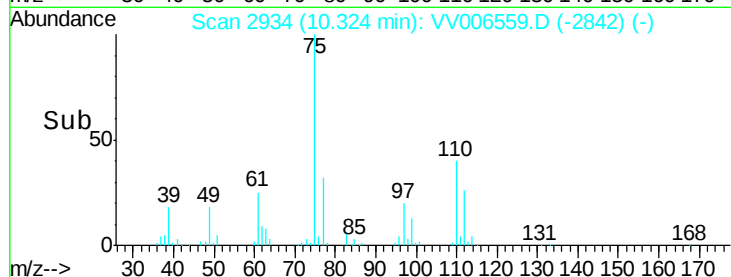
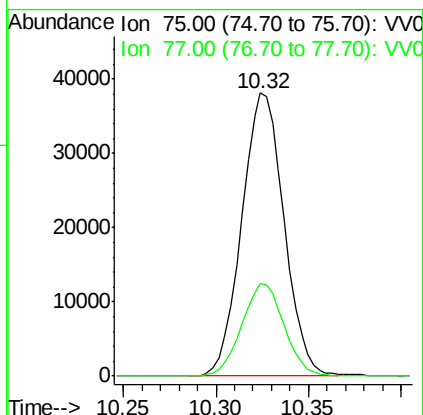
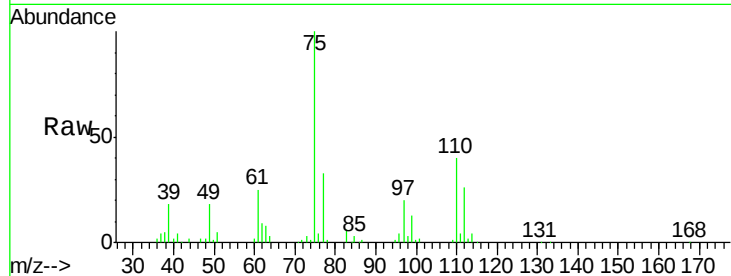




#59
 1,2,3-Trichloropropane
 Concen: 4.241 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

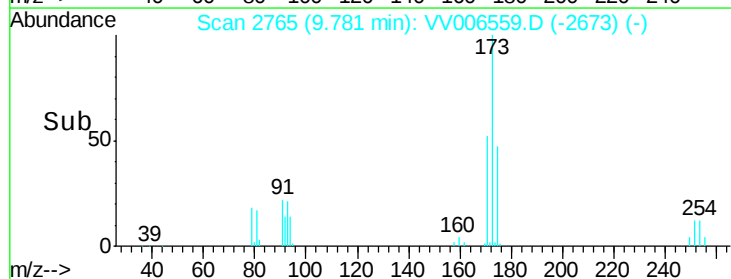
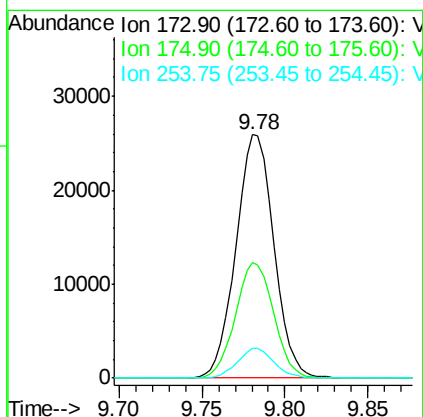
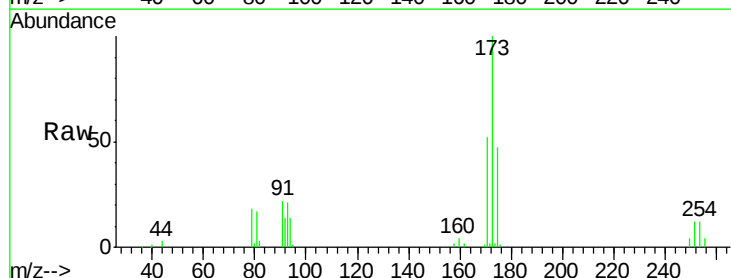
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

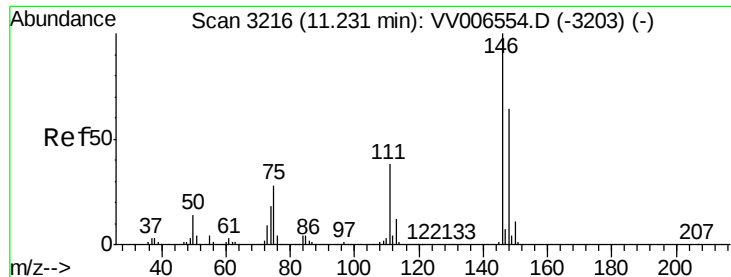
Tgt Ion: 75 Resp: 60482
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5



#61
 Bromoform
 Concen: 4.510 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 173 Resp: 41231
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.4
 254 11.6 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.796 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

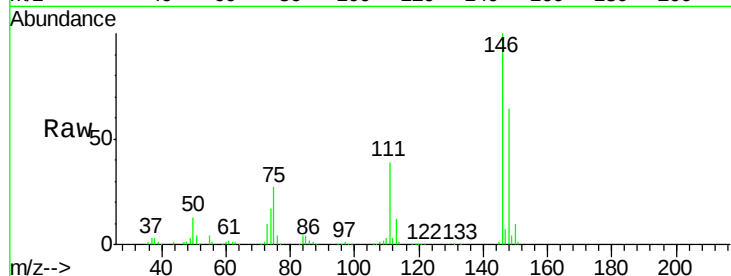
Tgt Ion:146 Resp: 241412

Ion Ratio Lower Upper

146 100

111 39.0 26.9 49.9

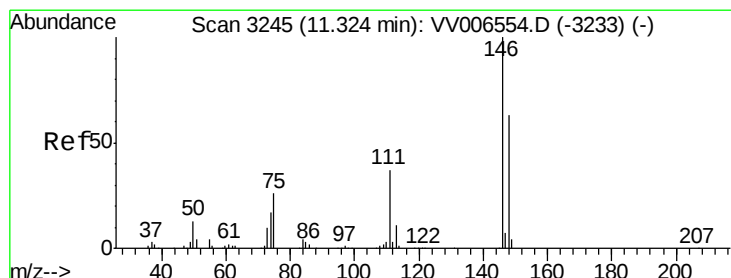
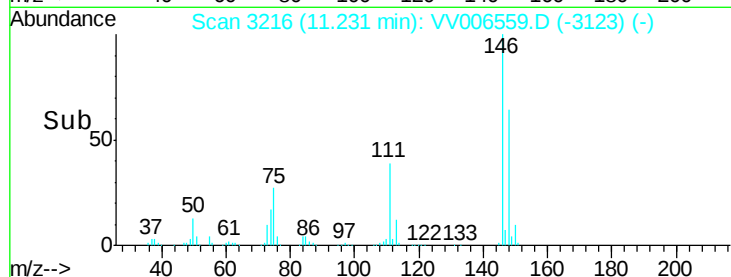
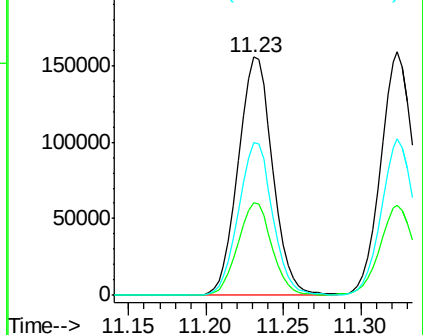
148 64.2 44.4 82.5



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: 4.753 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

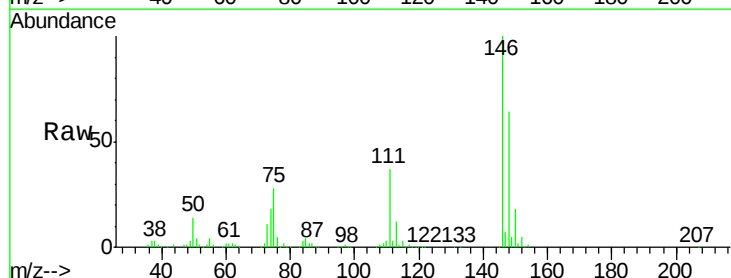
Tgt Ion:146 Resp: 243179

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.4

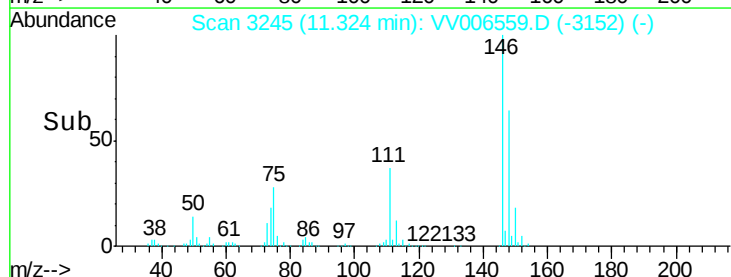
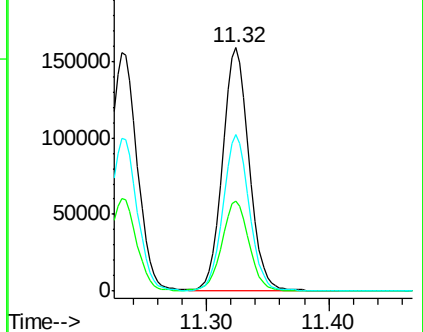
148 64.2 44.2 82.0

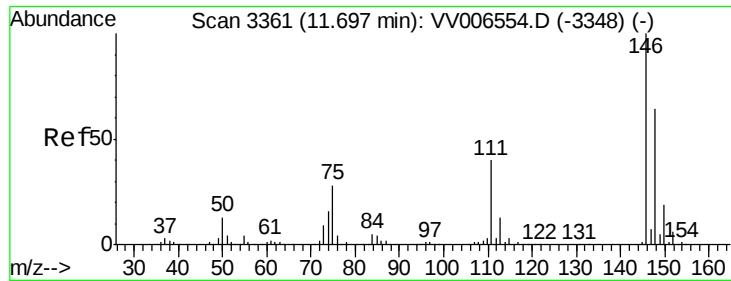


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

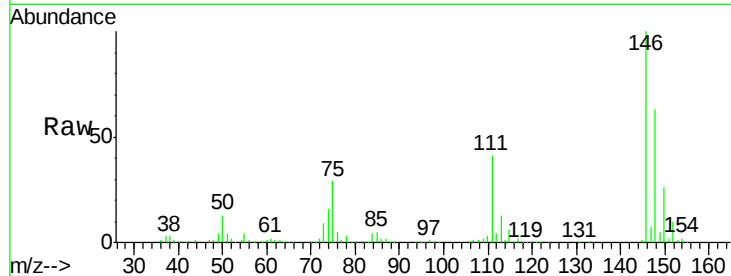




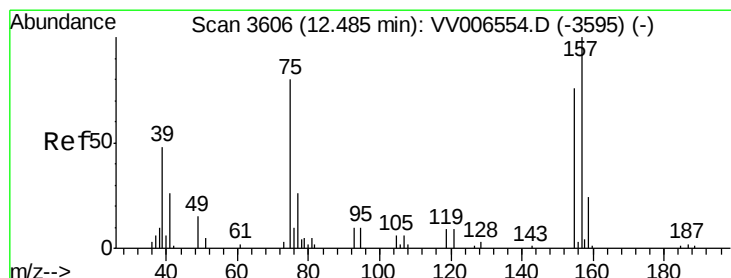
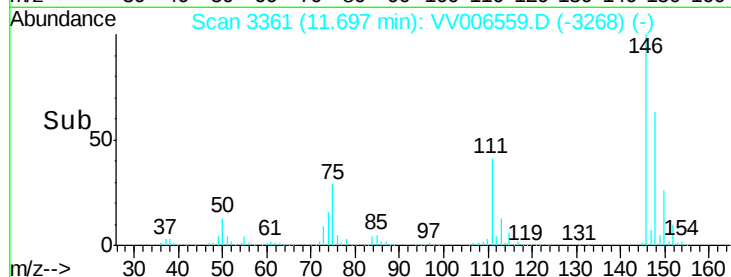
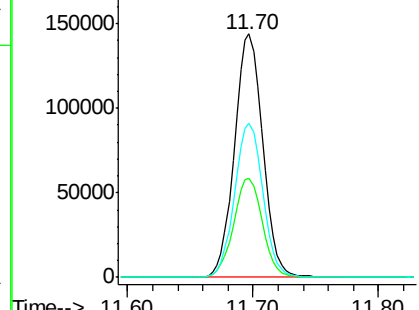
#65
 1,2-Dichlorobenzene
 Concen: 4.633 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tgt Ion: 146 Resp: 225247
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.4 48.6
 148 63.3 51.3 76.9

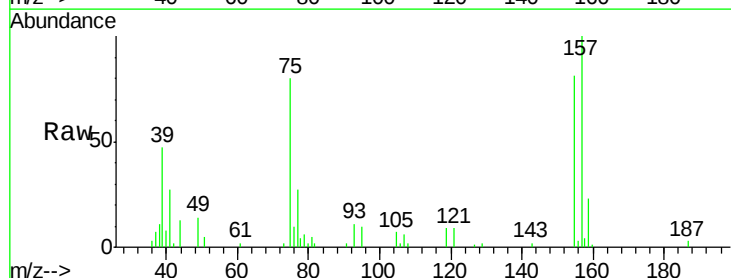


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

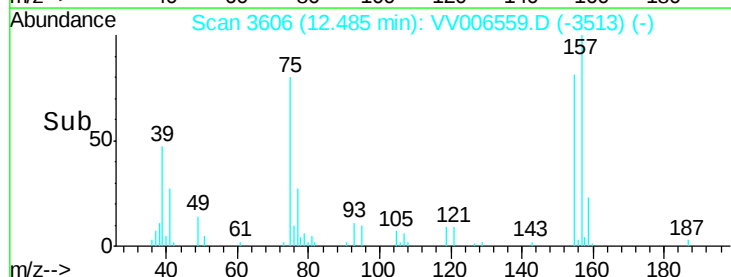
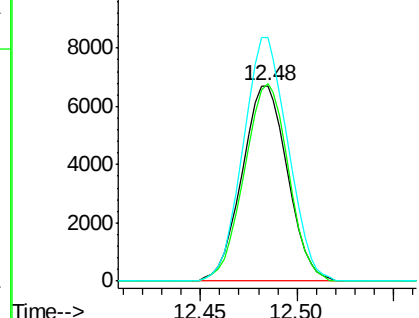


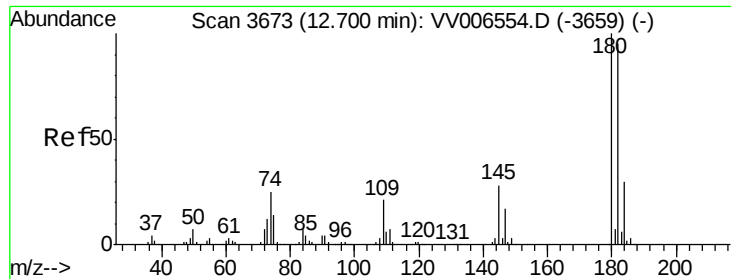
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.220 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Tgt Ion: 75 Resp: 10963
 Ion Ratio Lower Upper
 75 100
 155 100.9 75.4 113.2
 157 124.8 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

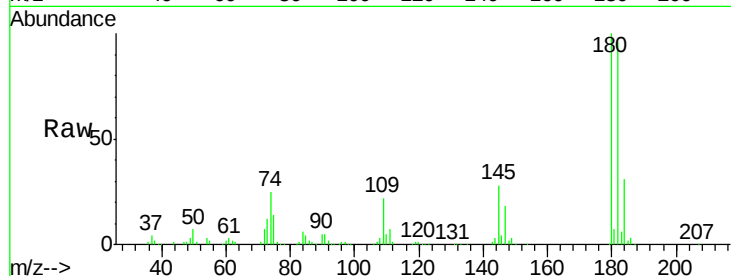




#67
 1,3,5-Trichlorobenzene
 Concen: 4.818 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.1	114.1
184	30.9	24.1	36.1
145	28.2	22.3	33.5

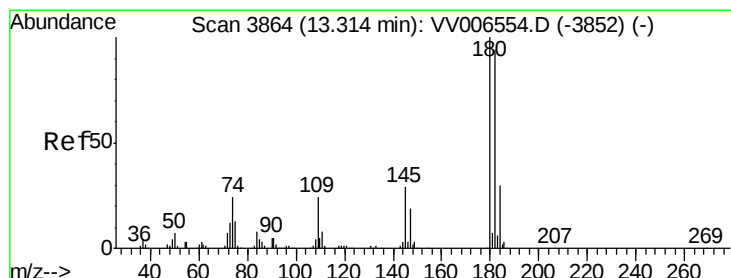
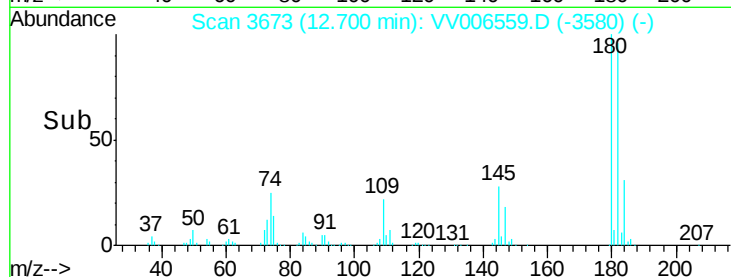
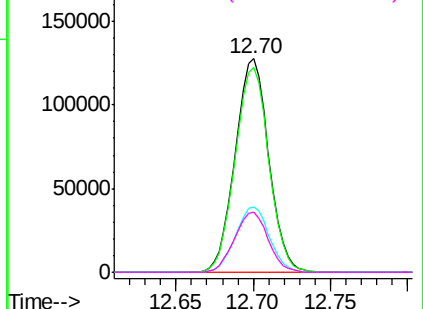


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

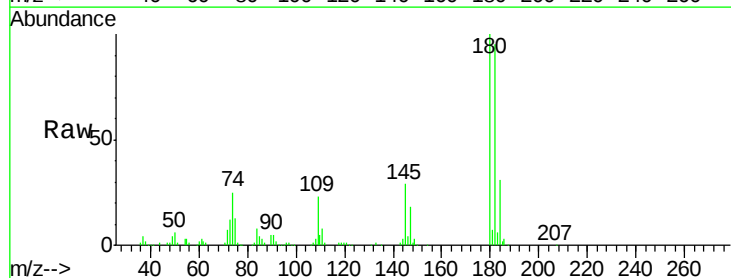
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.770 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006559.D
 Acq: 09 Jul 2018 14:55

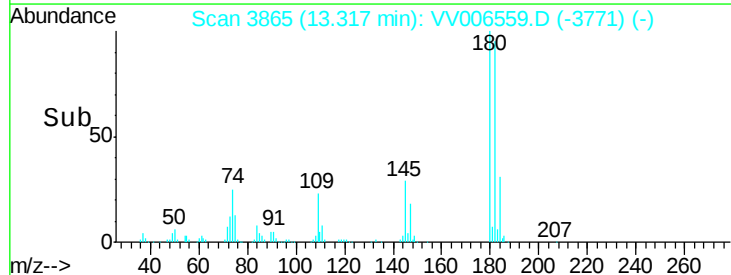
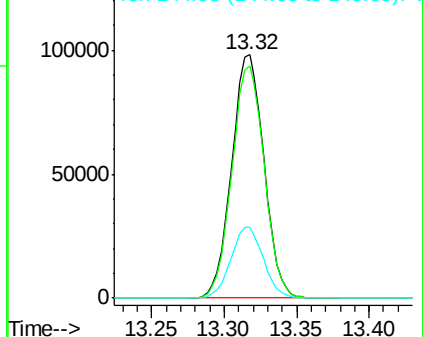
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	29.0	23.0	34.4

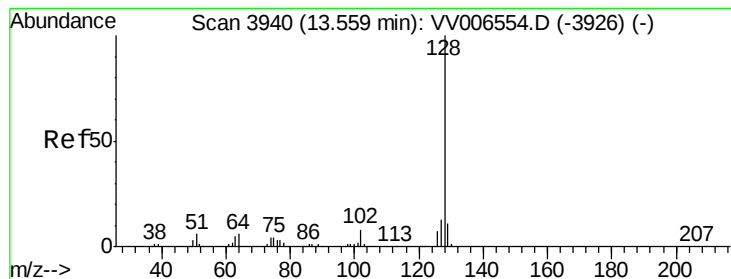


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.417 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

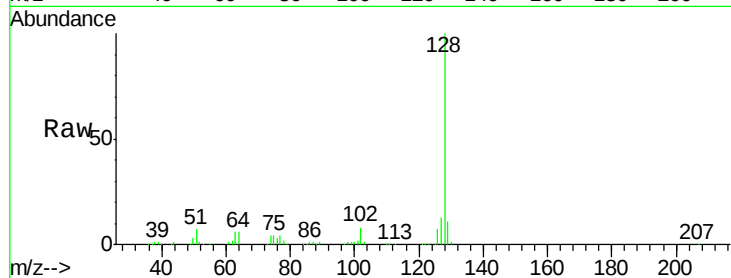
Tgt Ion:128 Resp: 237943

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

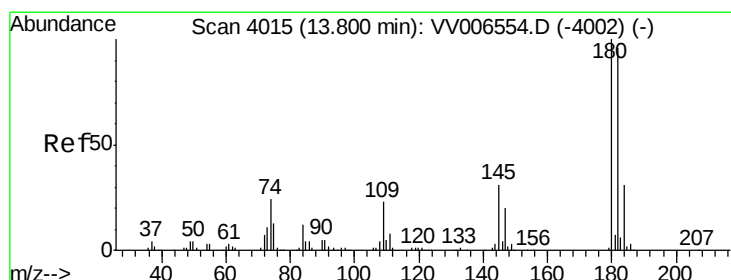
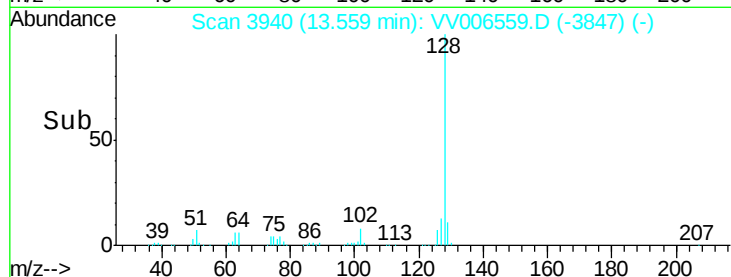
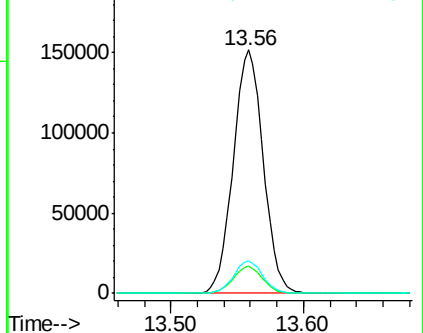
127 13.0 10.2 15.2



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: 4.692 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006559.D

Acq: 09 Jul 2018 14:55

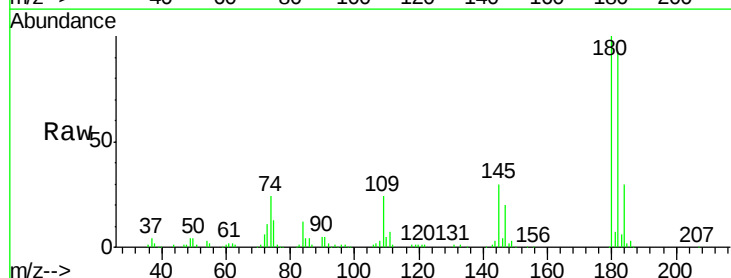
Tgt Ion:180 Resp: 139547

Ion Ratio Lower Upper

180 100

182 94.2 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

