

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007129.D
 Acq On : 23 Aug 2018 09:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Aug 24 01:18:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 10:48:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	611044	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	567227	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	273467	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186118	48.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.94%
7) Chloroethane-d5	1.57	69	112933	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.46%
11) 1,1-Dichloroethene-d2	2.13	63	352656	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
21) 2-Butanone-d5	3.96	46	294357	90.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.07%
24) Chloroform-d	4.40	84	412808	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.09	65	250685	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
32) Benzene-d6	5.10	84	832662	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
36) 1,2-Dichloropropane-d6	6.12	67	270296	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.36	98	745802	53.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.54%
43) trans-1,3-Dichloropropene-	7.67	79	103446	46.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.66%
47) 2-Hexanone-d5	8.14	63	175314	94.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.54%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	365809	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.68	152	283772	51.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	264784	47.423	ug/L 100
3) Chloromethane	1.25	50	307477	43.496	ug/L 100
5) Vinyl chloride	1.32	62	272745	47.000	ug/L 99
6) Bromomethane	1.52	94	74051	53.656	ug/L 100
8) Chloroethane	1.58	64	153497	48.654	ug/L 98
9) Trichlorofluoromethane	1.76	101	345566	49.516	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	211749	49.721	ug/L 99
12) 1,1-Dichloroethene	2.14	96	197074	48.449	ug/L 100
13) Acetone	2.20	43	175343	68.393	ug/L 99
14) Carbon disulfide	2.31	76	603599	48.644	ug/L 100
15) Methyl Acetate	2.47	43	209003	44.871	ug/L 100
16) Methylene chloride	2.54	84	222023	47.488	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	214459	48.619	ug/L 98
18) Methyl tert-butyl Ether	2.81	73	634046	46.837	ug/L 99
19) 1,1-Dichloroethane	3.23	63	442218	48.710	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	248802	48.533	ug/L 97
22) 2-Butanone	4.04	43	333372	82.306	ug/L 99

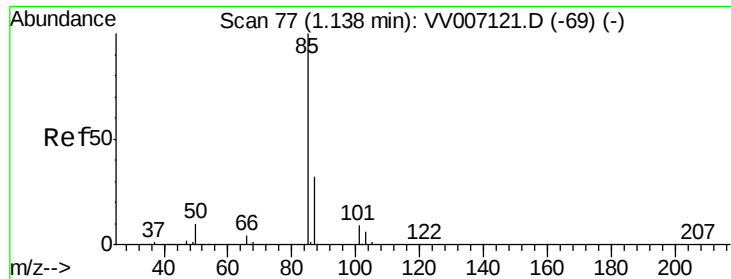
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007129.D
 Acq On : 23 Aug 2018 09:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Aug 24 01:18:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 10:48:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	127861	48.508	ug/L	98
25) Chloroform	4.43	83	432130	48.545	ug/L	97
27) 1,2-Dichloroethane	5.19	62	325156	48.149	ug/L	100
29) Cyclohexane	4.72	56	366110	51.341	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	363523	50.577	ug/L	99
31) Carbon tetrachloride	4.87	117	313510	51.791	ug/L	99
33) Benzene	5.15	78	998454	51.384	ug/L	100
34) Trichloroethene	5.96	95	228124	49.535	ug/L	99
35) Methylcyclohexane	6.18	83	384104	52.420	ug/L	97
37) 1,2-Dichloropropane	6.22	63	259889	50.412	ug/L	100
38) Bromodichloromethane	6.56	83	311279	50.160	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	324824	46.632	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	596466	94.768	ug/L	100
42) Toluene	7.43	91	985100	52.588	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	298098	45.928	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	239742	49.526	ug/L	99
46) Tetrachloroethene	8.02	164	190392	50.714	ug/L	98
48) 2-Hexanone	8.20	43	469691	92.128	ug/L	99
49) Dibromochloromethane	8.30	129	243613	50.274	ug/L	98
50) 1,2-Dibromoethane	8.40	107	233726	48.942	ug/L	98
51) Chlorobenzene	8.93	112	612816	49.385	ug/L	100
52) Ethylbenzene	9.06	91	974607	51.335	ug/L	99
53) m,p-Xylene	9.19	106	378186	52.130	ug/L	98
54) o-xylene	9.59	106	370467	52.488	ug/L	99
55) Styrene	9.61	104	656677	53.879	ug/L	100
56) Isopropylbenzene	9.98	105	936802	52.635	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	391669	46.627	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	308831	46.098	ug/L	99
61) Bromoform	9.78	173	176983	47.693	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	433573	48.825	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	465551	49.514	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	492959	50.506	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	65843	47.531	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	319707	52.892	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	225817	55.042	ug/L	100
69) Naphthalene	13.56	128	557859	49.888	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	255629	56.952	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.423 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

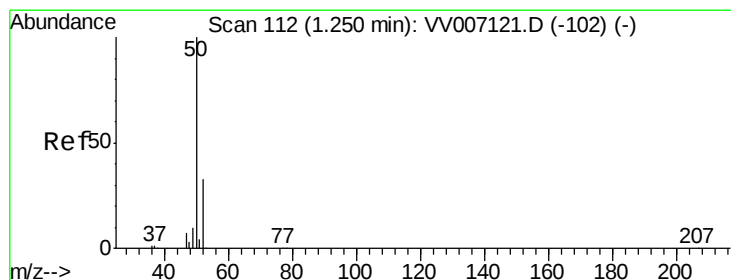
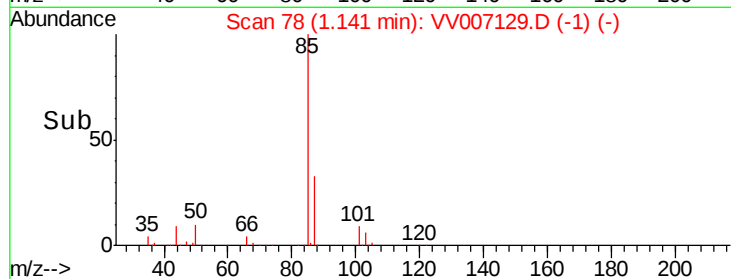
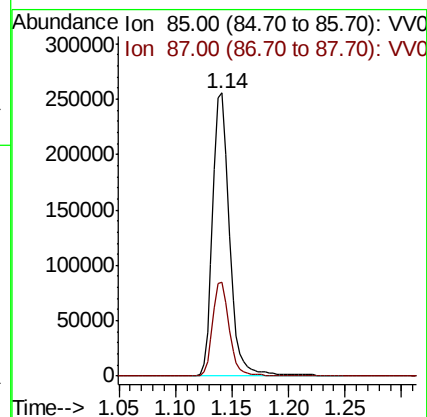
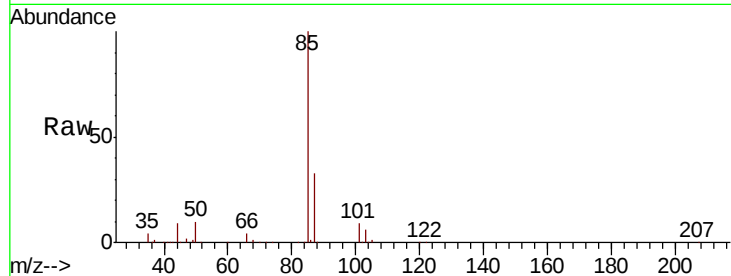
VSTD05061

Tgt Ion: 85 Resp: 264784

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



#3

Chloromethane

Concen: 43.496 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007129.D

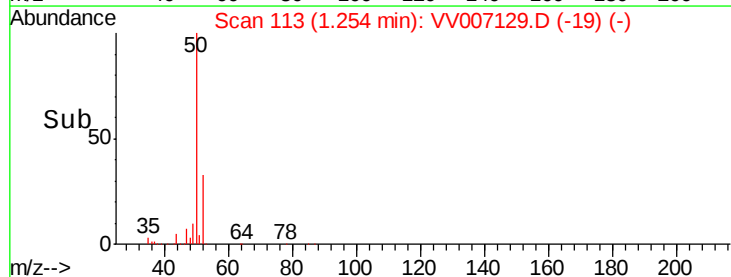
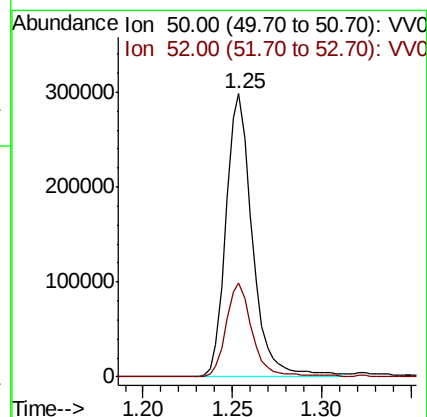
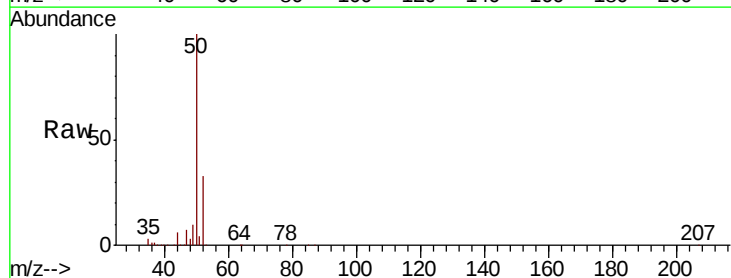
Acq: 23 Aug 2018 09:35

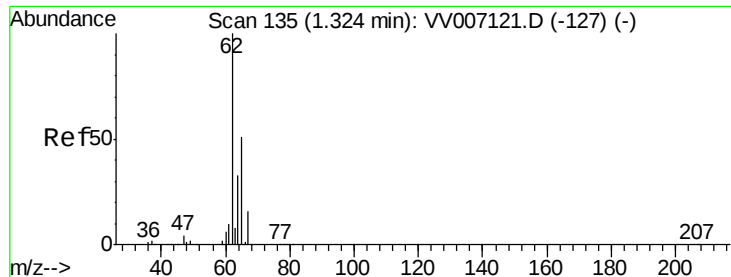
Tgt Ion: 50 Resp: 307477

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.8





#5

Vinyl chloride

Concen: 47.000 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

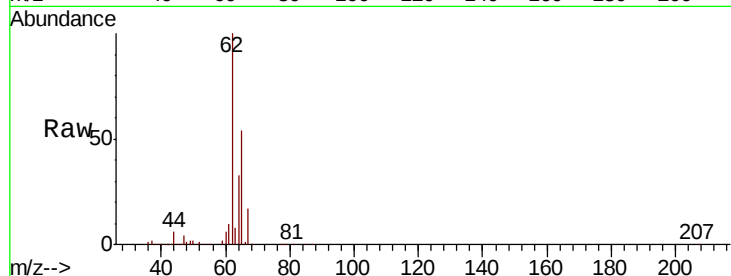
VSTD05061

Tgt Ion: 62 Resp: 272745

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV007129.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007129.D (-127) (-)

1.32

250000

200000

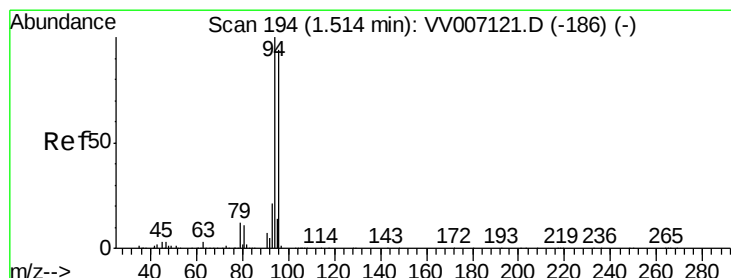
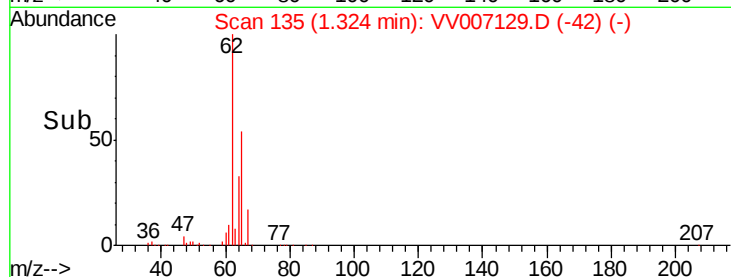
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 53.656 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.01 min

Lab File: VV007129.D

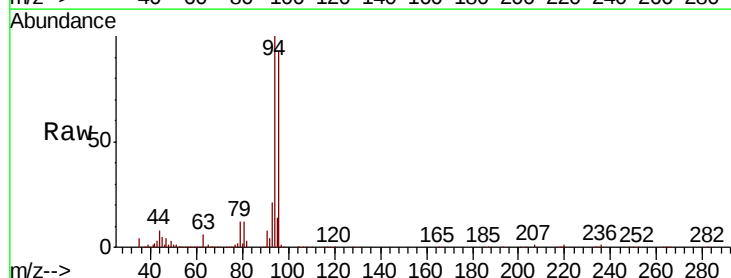
Acq: 23 Aug 2018 09:35

Tgt Ion: 94 Resp: 74051

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV007129.D (-186) (-)

Ion 96.00 (95.70 to 96.70): VV007129.D (-186) (-)

1.52

80000

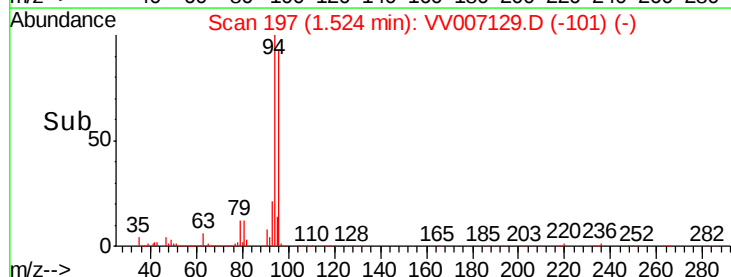
60000

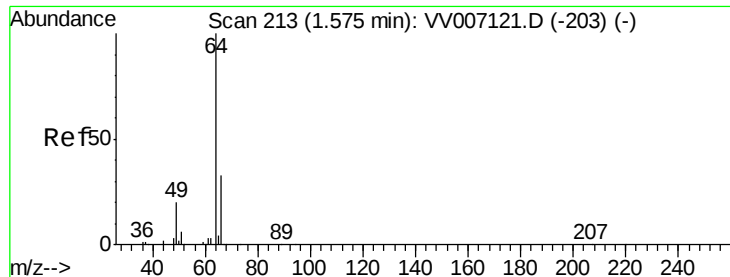
40000

20000

0

Time-->





#8

Chloroethane

Concen: 48.654 ug/L

RT: 1.58 min Scan# 216

Delta R.T. 0.01 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

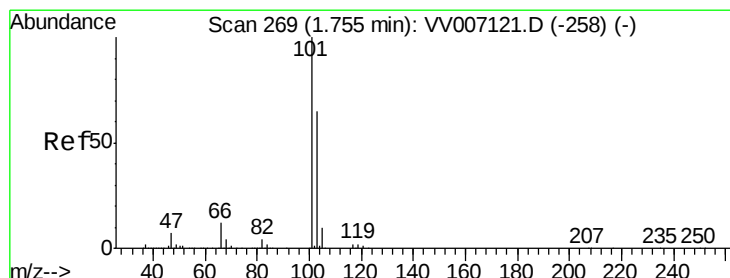
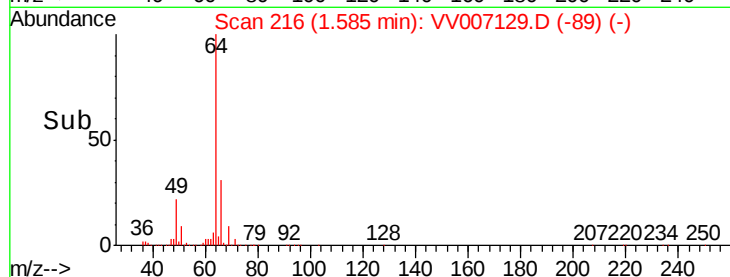
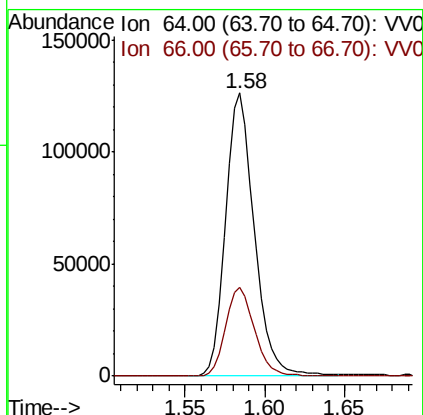
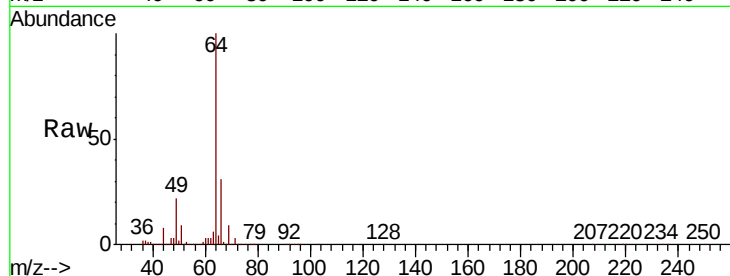
VSTD05061

Tgt Ion: 64 Resp: 153497

Ion Ratio Lower Upper

64 100

66 31.3 22.8 42.4



#9

Trichlorofluoromethane

Concen: 49.516 ug/L

RT: 1.76 min Scan# 271

Delta R.T. 0.01 min

Lab File: VV007129.D

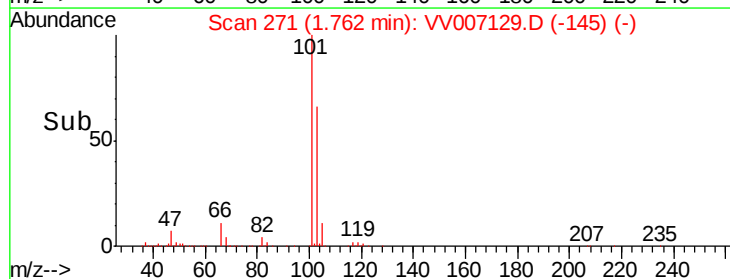
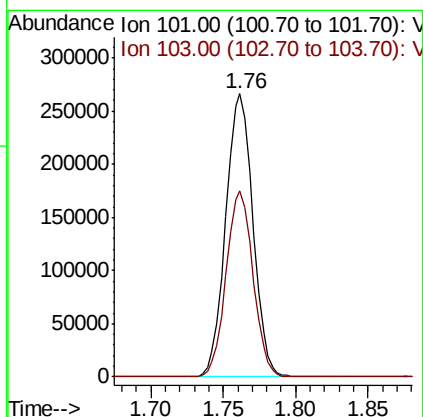
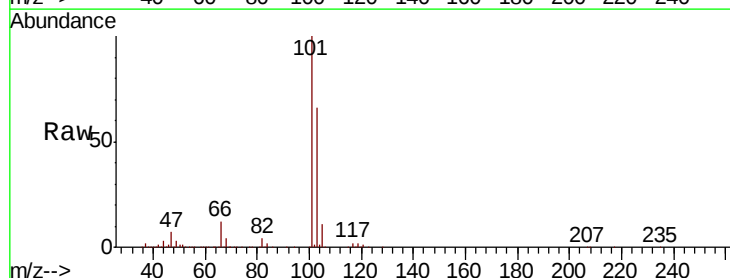
Acq: 23 Aug 2018 09:35

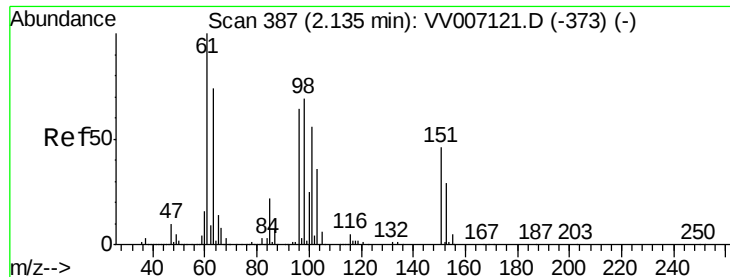
Tgt Ion: 101 Resp: 345566

Ion Ratio Lower Upper

101 100

103 64.9 52.5 78.7





#10

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

Concen: 49.721 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

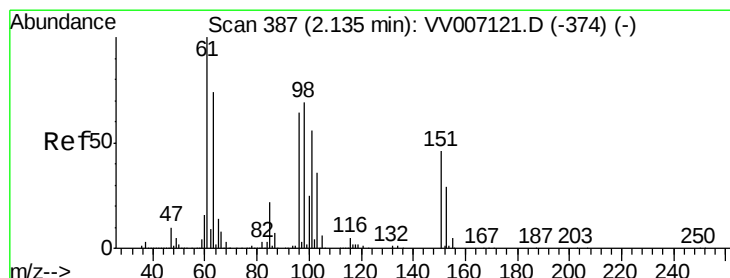
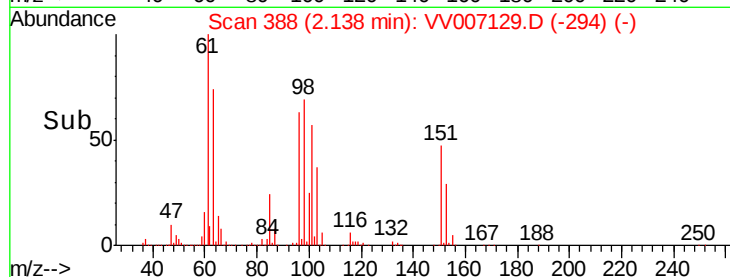
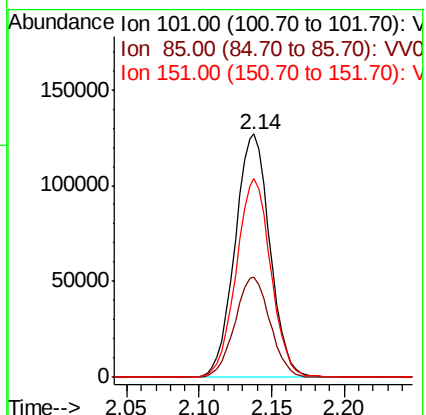
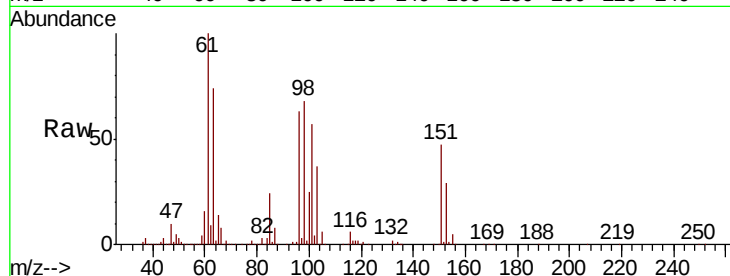
Tgt Ion:101 Resp: 211749

Ion Ratio Lower Upper

101 100

85 41.6 32.5 48.7

151 80.7 65.2 97.8



#12

1,1-Dichloroethene

Concen: 48.449 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

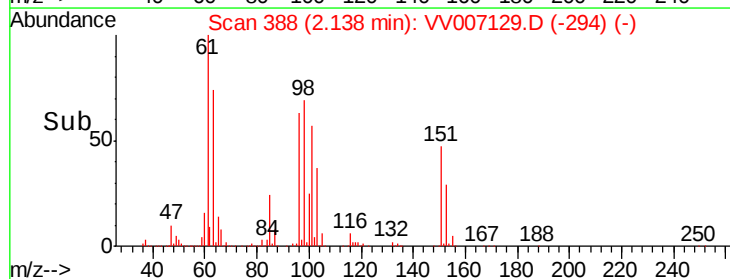
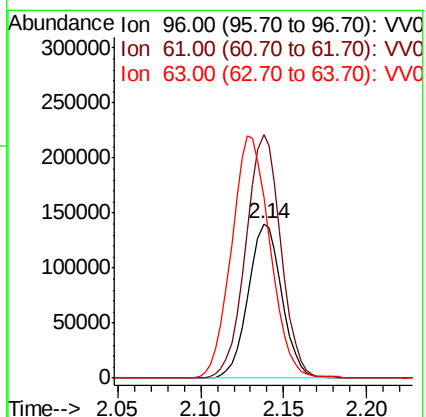
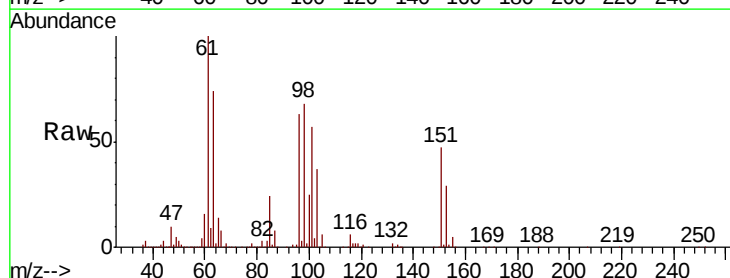
Tgt Ion: 96 Resp: 197074

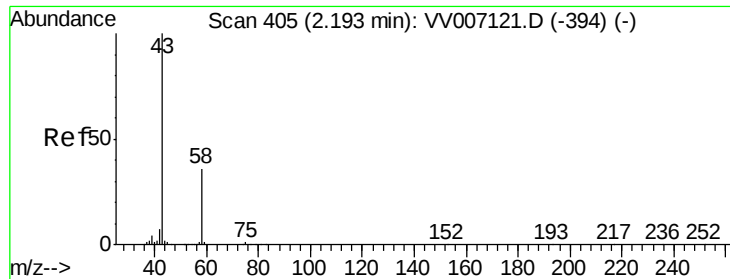
Ion Ratio Lower Upper

96 100

61 157.7 110.0 204.2

63 117.0 81.8 152.0





#13

Acetone

Concen: 68.393 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

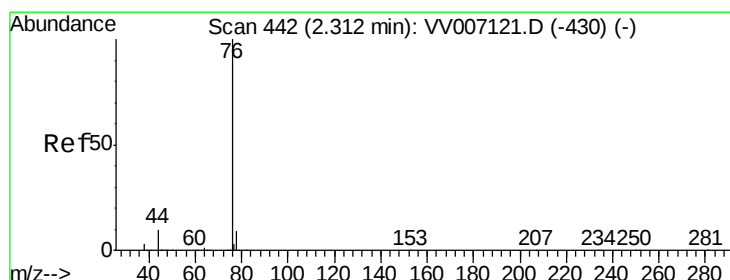
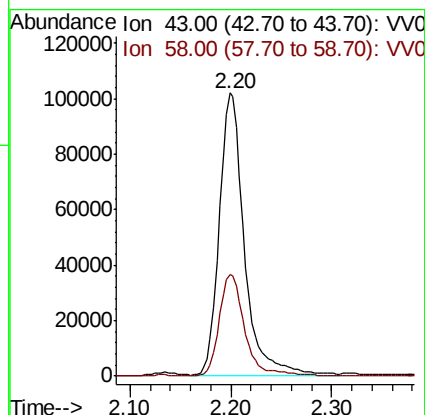
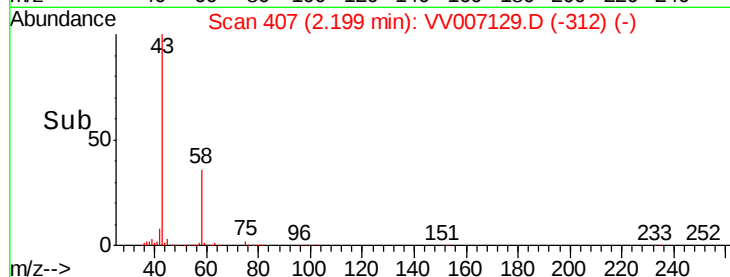
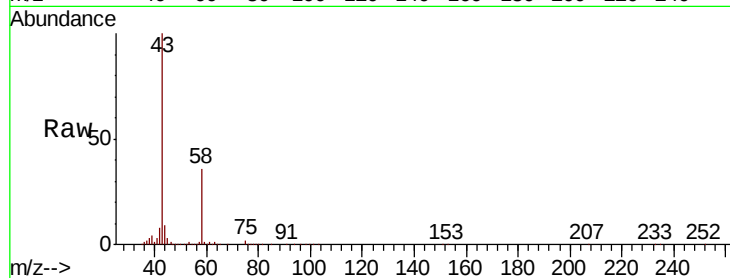
VSTD05061

Tgt Ion: 43 Resp: 175343

Ion Ratio Lower Upper

43 100

58 36.9 0.0 73.0



#14

Carbon disulfide

Concen: 48.644 ug/L

RT: 2.31 min Scan# 443

Delta R.T. 0.00 min

Lab File: VV007129.D

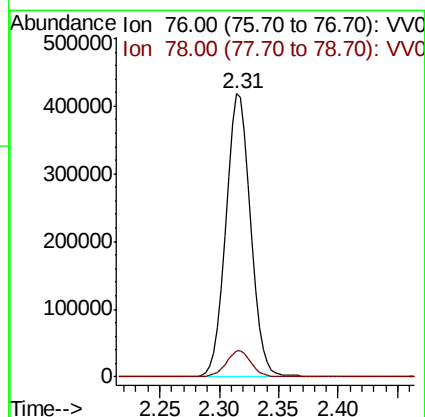
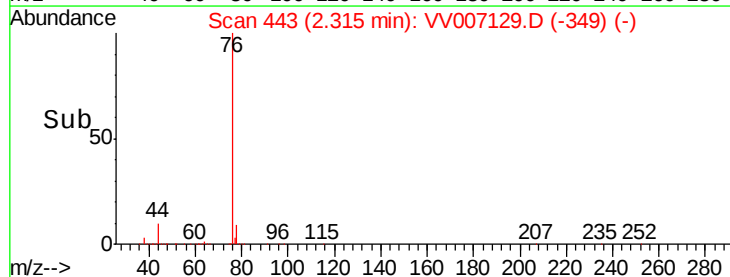
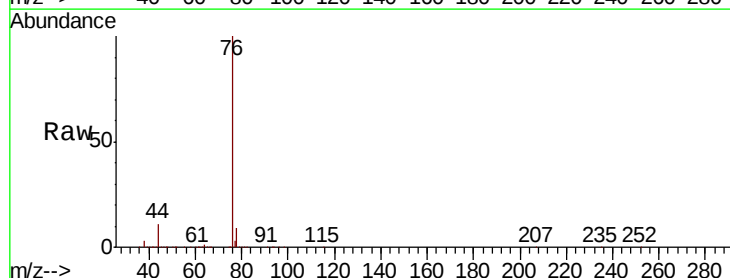
Acq: 23 Aug 2018 09:35

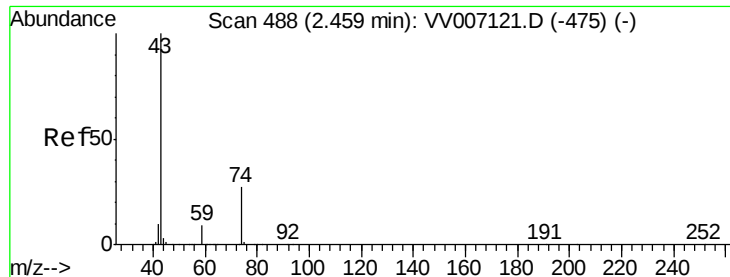
Tgt Ion: 76 Resp: 603599

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

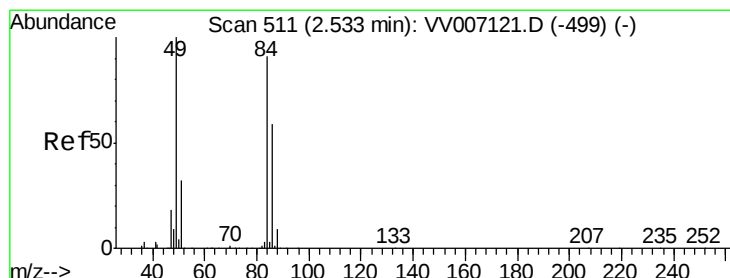
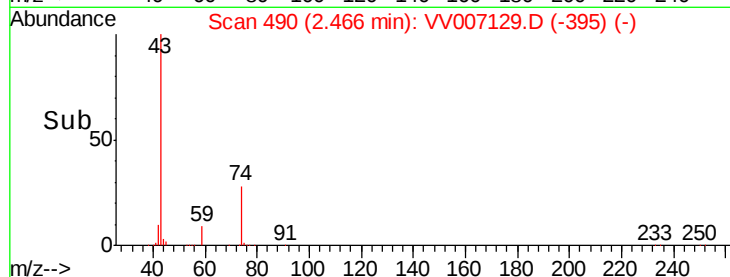
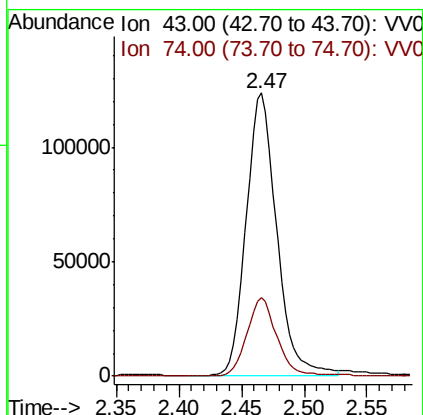
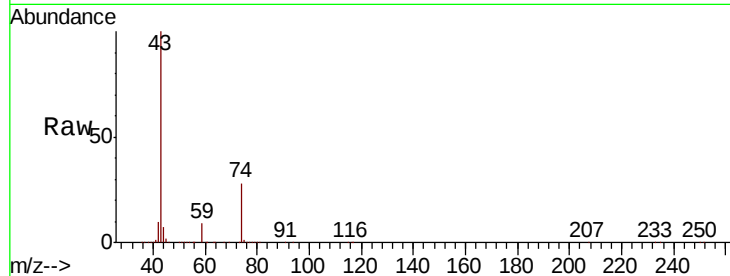




#15
Methyl Acetate
Concen: 44.871 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.01 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

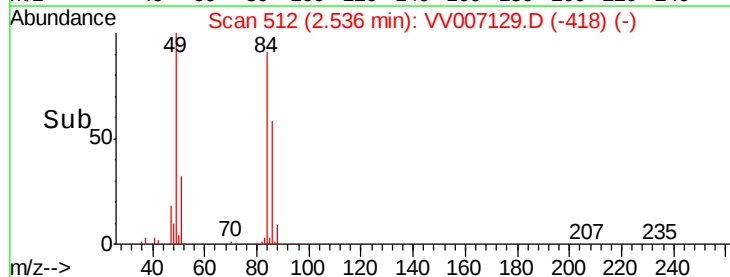
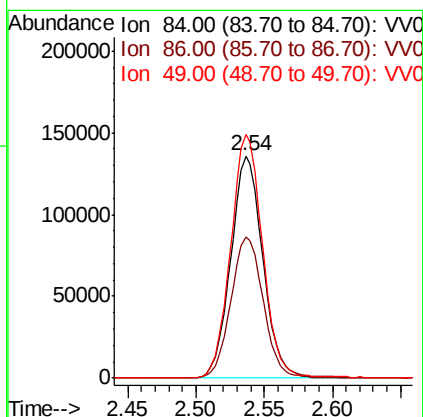
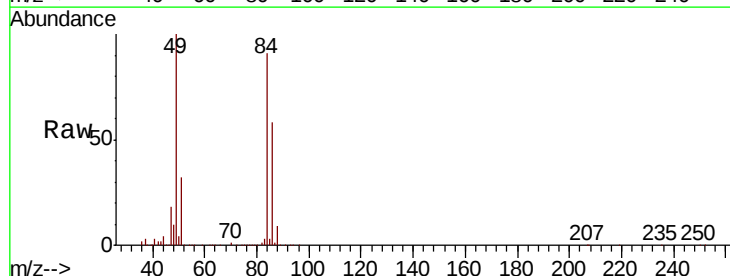
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

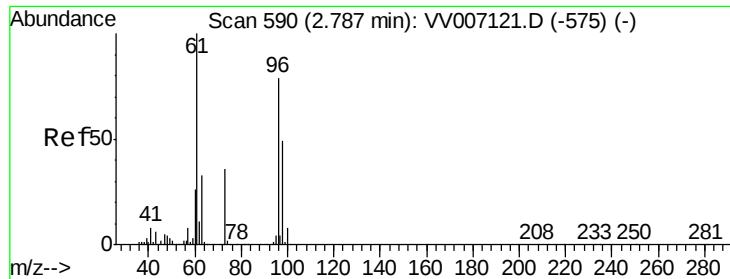
Tgt Ion: 43 Resp: 209003
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.2



#16
Methylene chloride
Concen: 47.488 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

Tgt Ion: 84 Resp: 222023
Ion Ratio Lower Upper
84 100
86 63.3 45.4 84.4
49 109.6 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 48.619 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

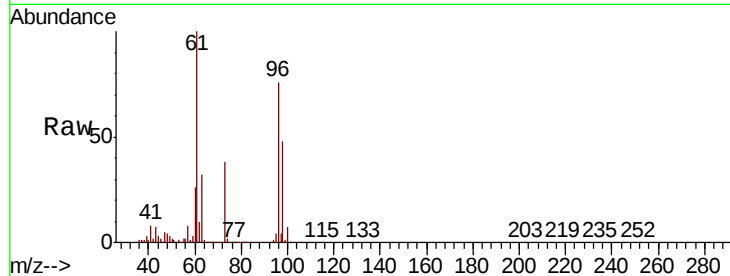
Tgt Ion: 96 Resp: 214459

Ion Ratio Lower Upper

96 100

61 130.7 89.1 165.5

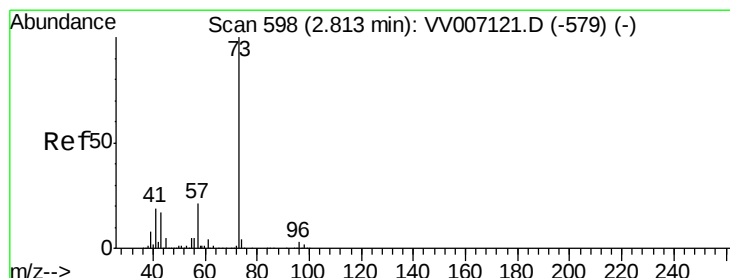
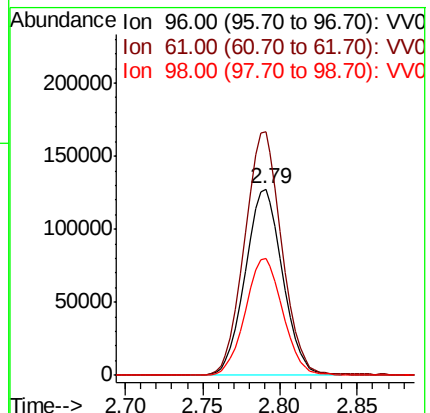
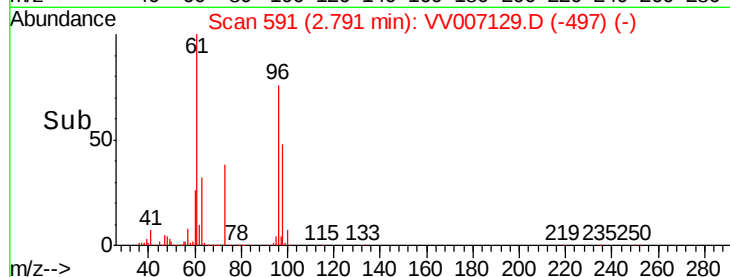
98 63.0 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VV007129.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VV007129.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VV007129.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 46.837 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

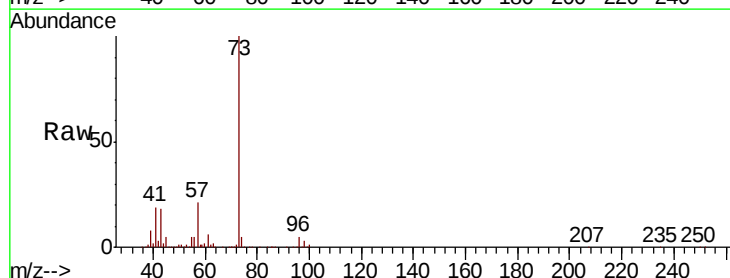
Tgt Ion: 73 Resp: 634046

Ion Ratio Lower Upper

73 100

43 17.2 13.6 20.4

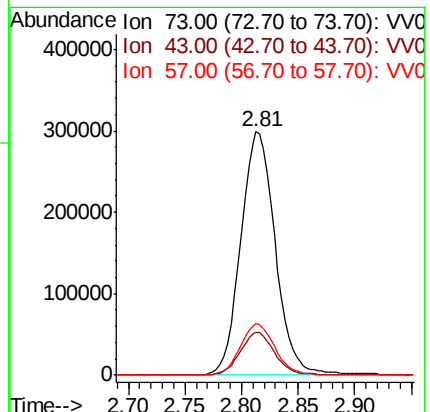
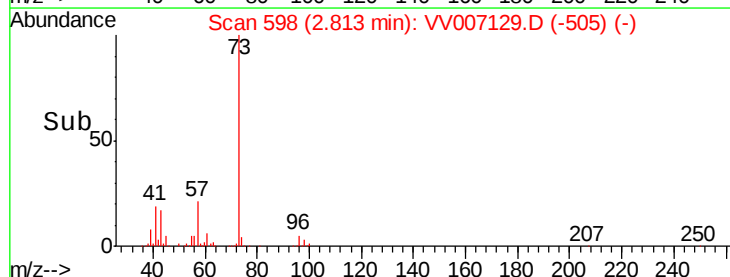
57 21.3 16.6 25.0

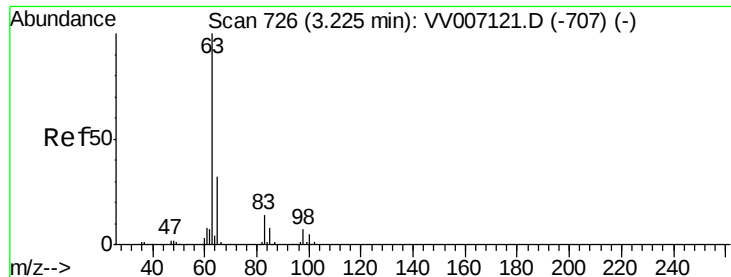


Abundance Ion 73.00 (72.70 to 73.70): VV007129.D (-505) (-)

Ion 43.00 (42.70 to 43.70): VV007129.D (-505) (-)

Ion 57.00 (56.70 to 57.70): VV007129.D (-505) (-)





#19

1,1-Dichloroethane

Concen: 48.710 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

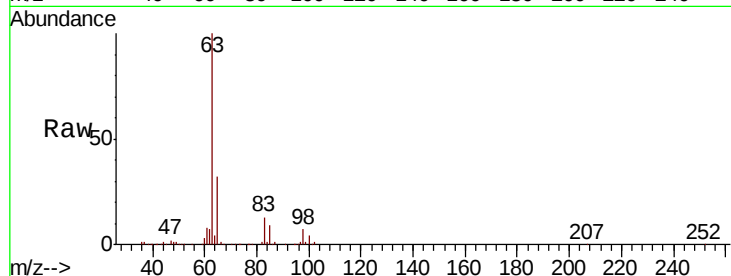
Tgt Ion: 63 Resp: 442218

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.3

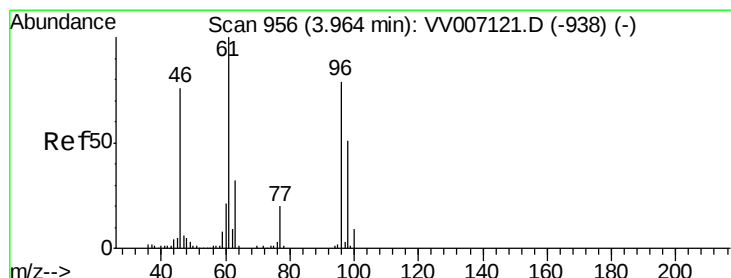
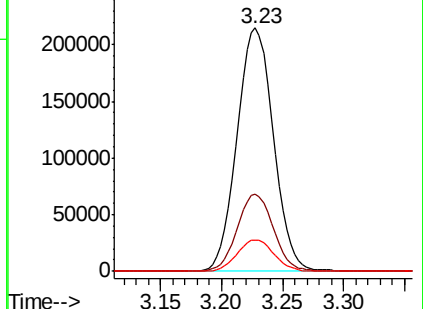
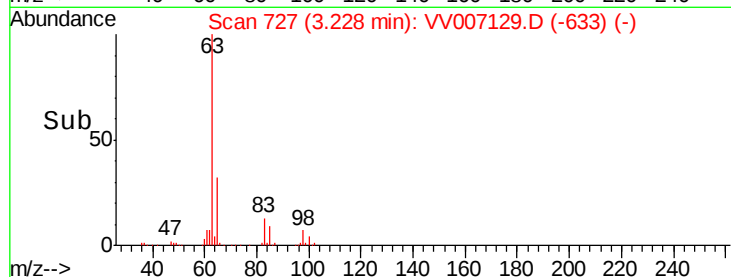
83 12.9 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV007129.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VV007129.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VV007129.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.533 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

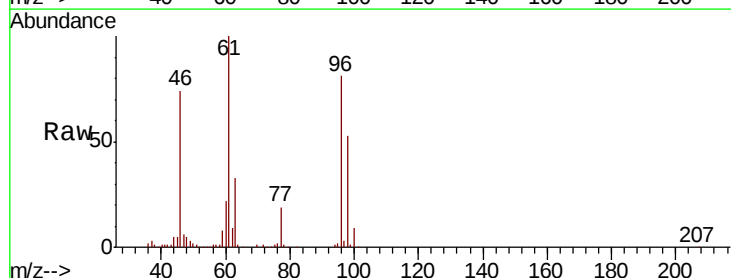
Tgt Ion: 96 Resp: 248802

Ion Ratio Lower Upper

96 100

61 123.3 89.0 165.4

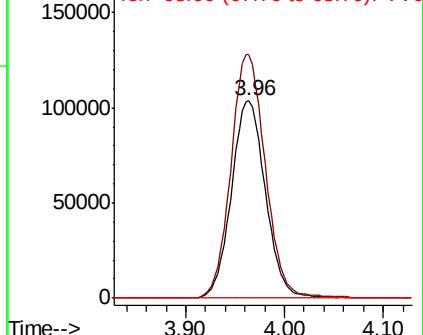
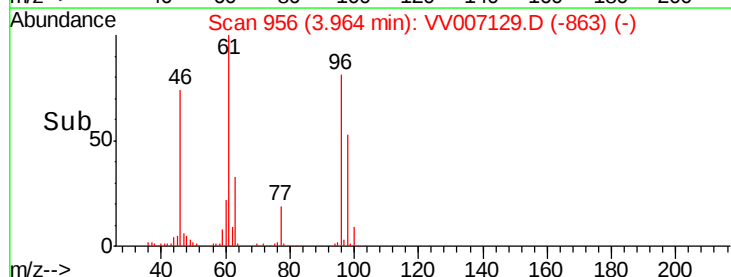
68 0.0 0.0 0.0

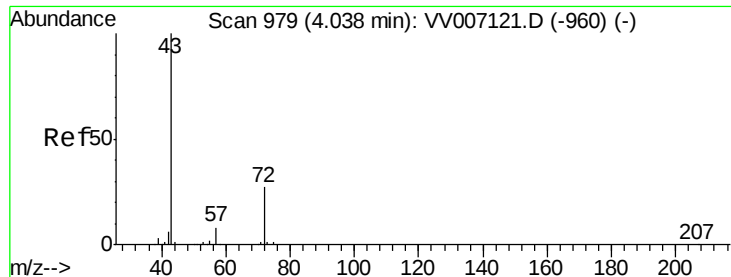


Abundance Ion 96.00 (95.70 to 96.70): VV007129.D (-863) (-)

Ion 61.00 (60.70 to 61.70): VV007129.D (-863) (-)

Ion 68.00 (67.70 to 68.70): VV007129.D (-863) (-)





#22

2-Butanone

Concen: 82.306 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

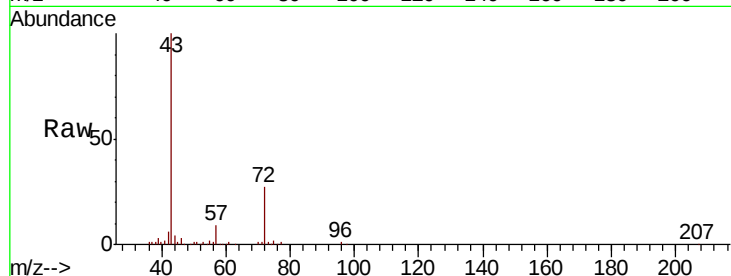
VSTD05061

Tgt Ion: 43 Resp: 333372

Ion Ratio Lower Upper

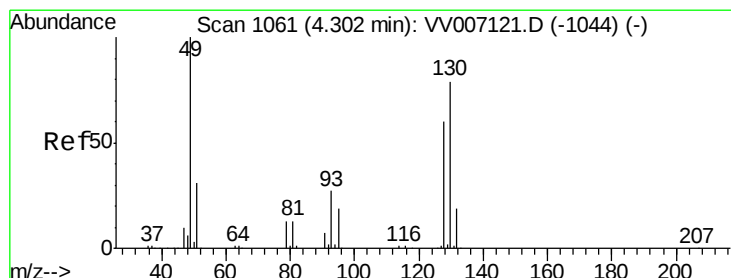
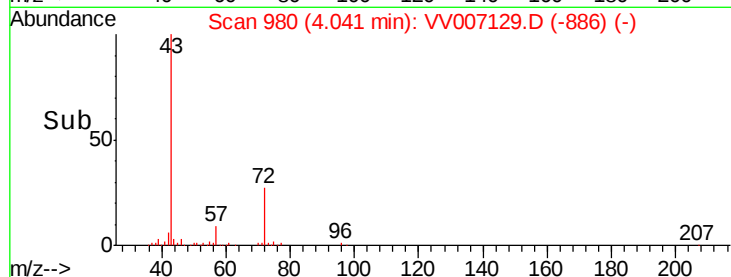
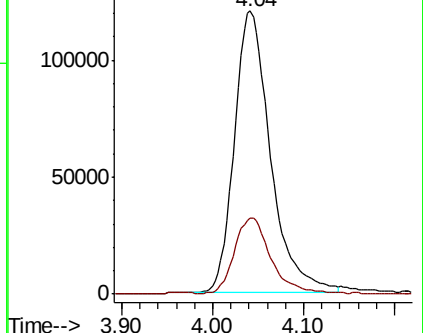
43 100

72 26.6 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007129.D (-980) (-)

Ion 72.00 (71.70 to 72.70): VV007129.D (-980) (-)



#23

Bromochloromethane

Concen: 48.508 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Tgt Ion: 128 Resp: 127861

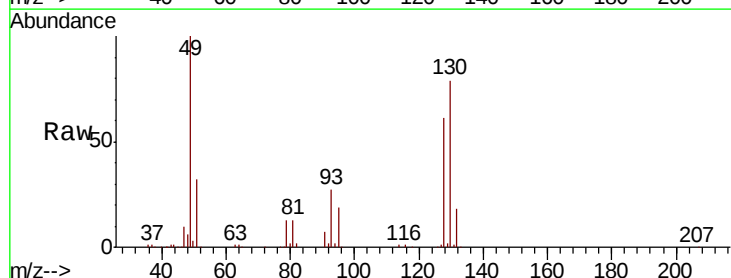
Ion Ratio Lower Upper

128 100

49 163.1 116.4 216.2

130 129.0 91.6 170.2

51 52.8 41.4 62.2

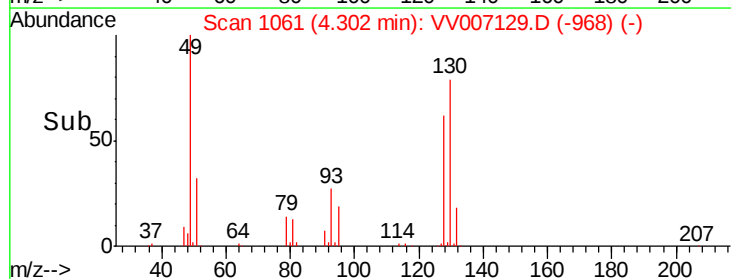
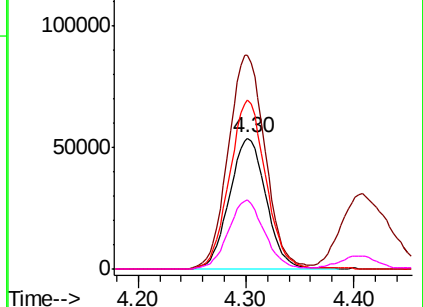


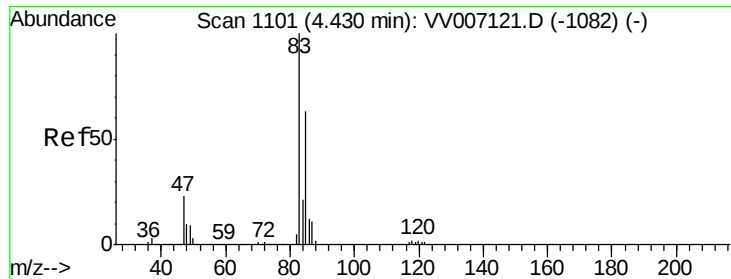
Abundance Ion 128.00 (127.70 to 128.70): VV007129.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV007129.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV007129.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV007129.D (-968) (-)





#25

Chloroform

Concen: 48.545 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

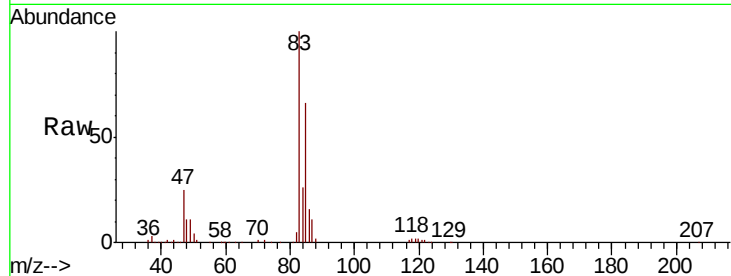
VSTD05061

Tgt Ion: 83 Resp: 432130

Ion Ratio Lower Upper

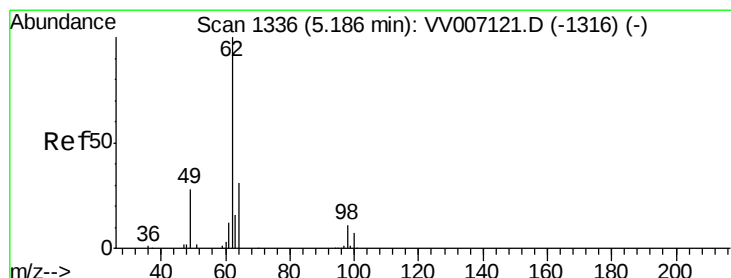
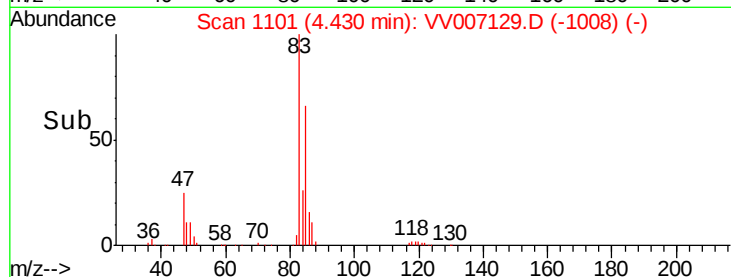
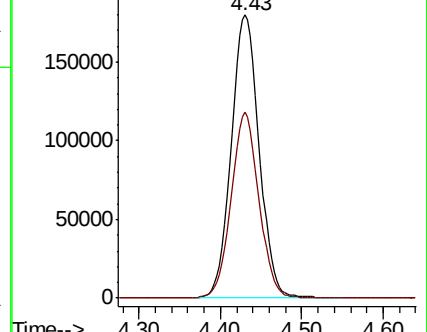
83 100

85 65.5 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VV007129.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV007129.D (-1082) (-)



#27

1,2-Dichloroethane

Concen: 48.149 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007129.D

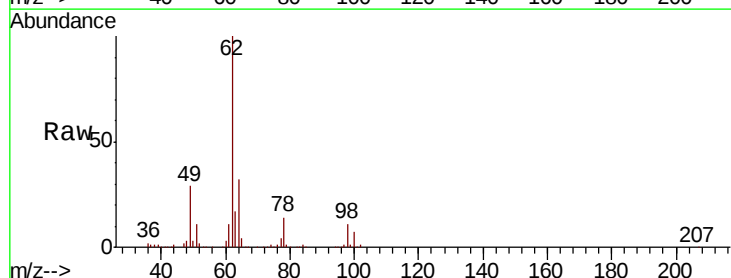
Acq: 23 Aug 2018 09:35

Tgt Ion: 62 Resp: 325156

Ion Ratio Lower Upper

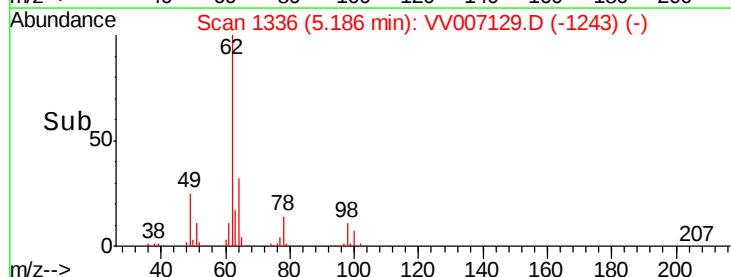
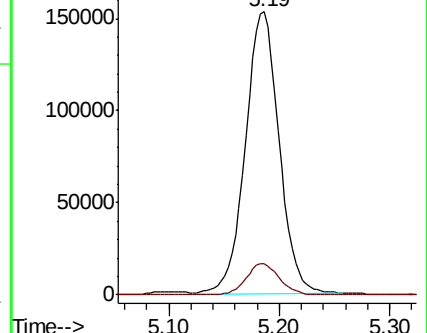
62 100

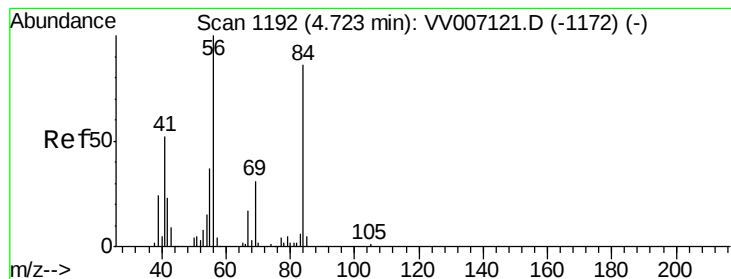
98 10.9 8.7 13.1



Abundance Ion 62.00 (61.70 to 62.70): VV007129.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VV007129.D (-1243) (-)





#29

Cyclohexane

Concen: 51.341 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

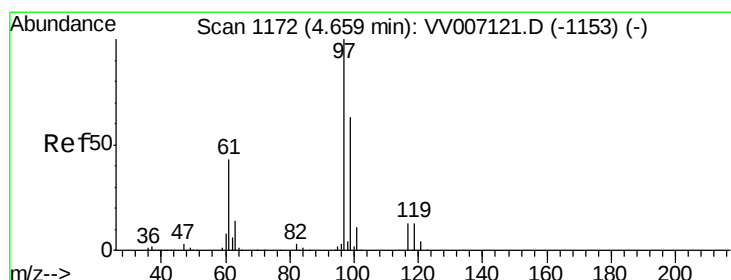
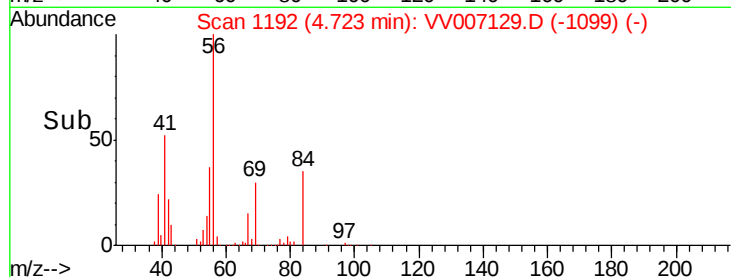
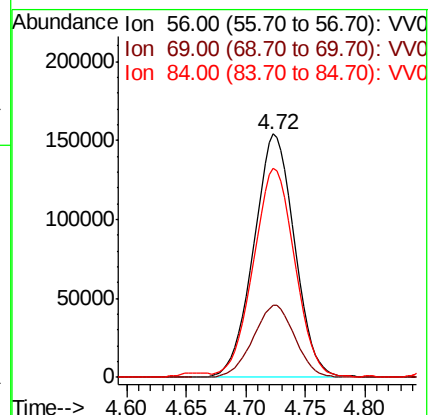
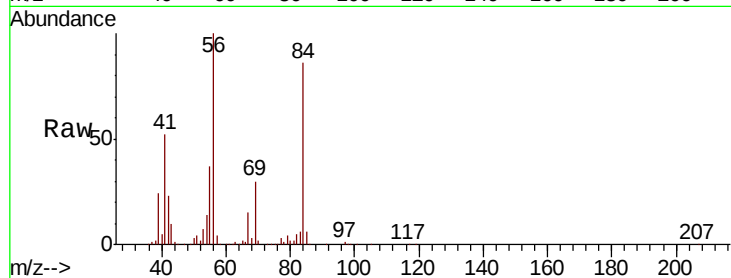
Tgt Ion: 56 Resp: 366110

Ion Ratio Lower Upper

56 100

69 30.4 24.5 36.7

84 87.7 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 50.577 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

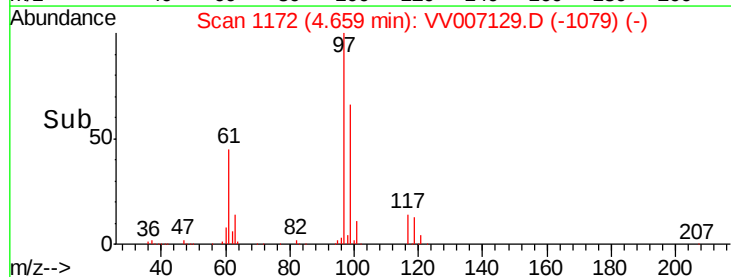
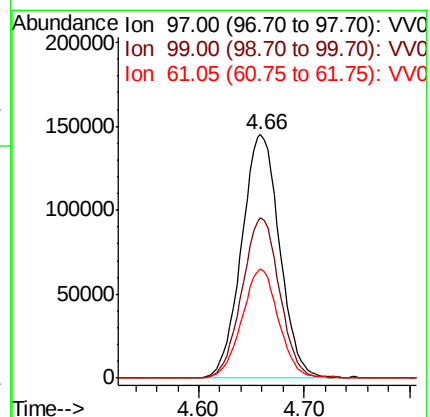
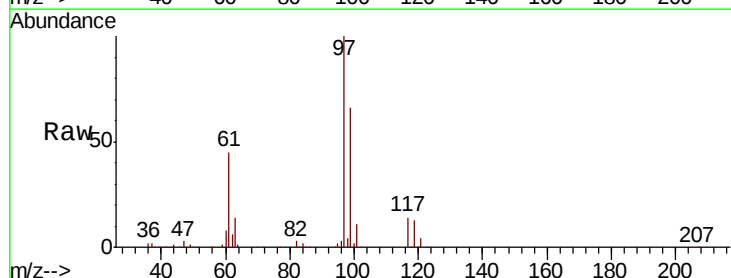
Tgt Ion: 97 Resp: 363523

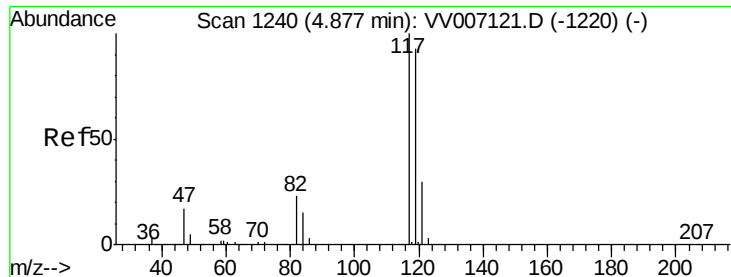
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 43.3 34.8 52.2

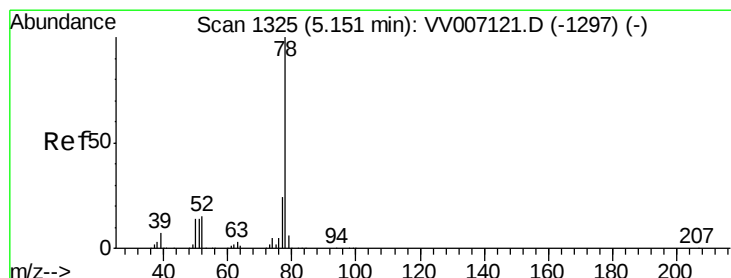
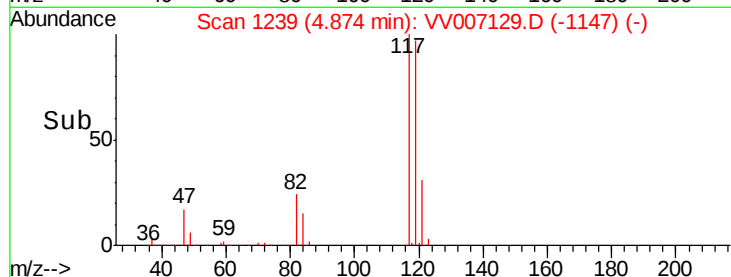
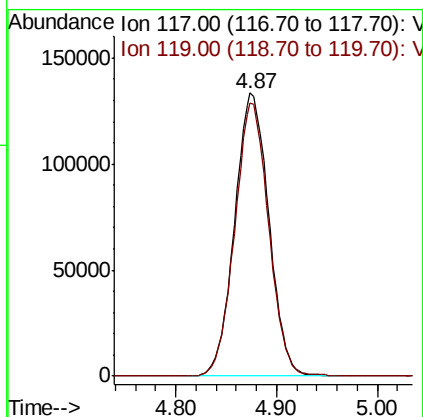
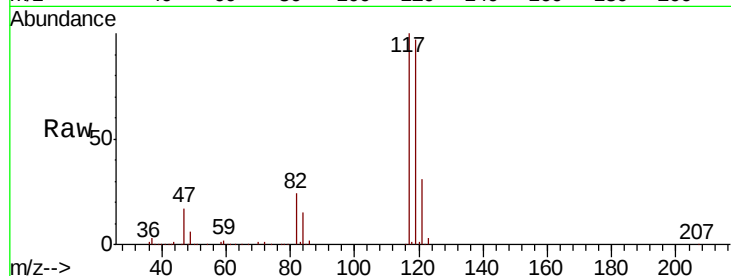




#31
Carbon tetrachloride
Concen: 51.791 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

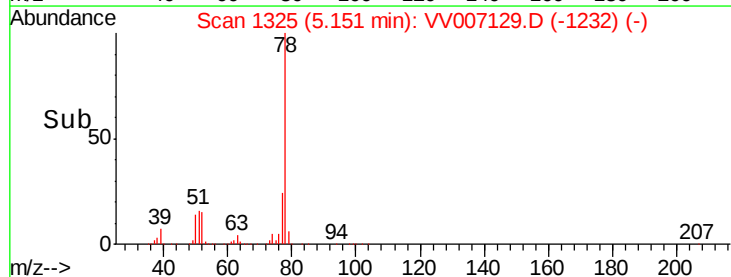
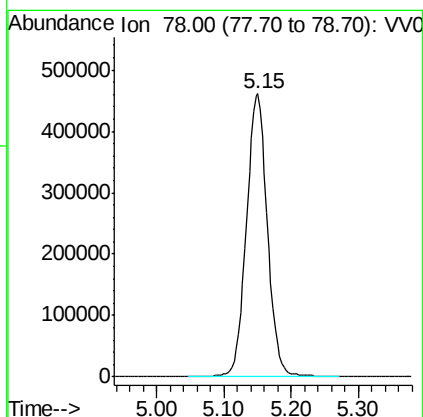
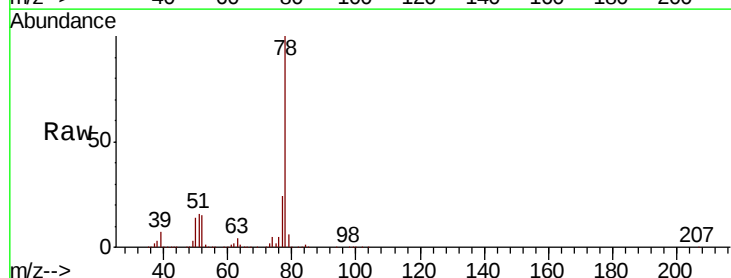
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

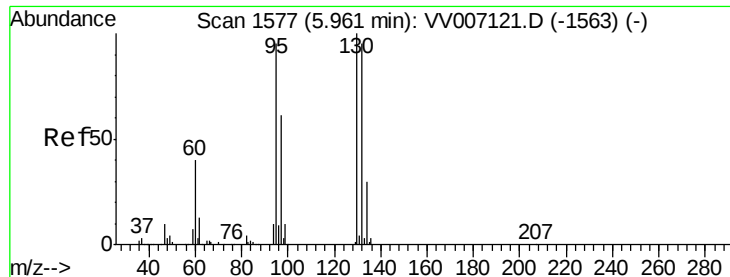
Tgt Ion:117 Resp: 313510
Ion Ratio Lower Upper
117 100
119 95.6 77.4 116.2



#33
Benzene
Concen: 51.384 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

Tgt Ion: 78 Resp: 998454





#34

Trichloroethene

Concen: 49.535 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 95 Resp: 228124

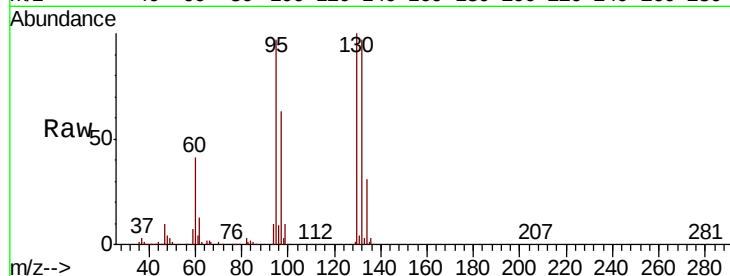
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 100.2 69.7 129.4

130 103.5 73.6 136.6



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

150000

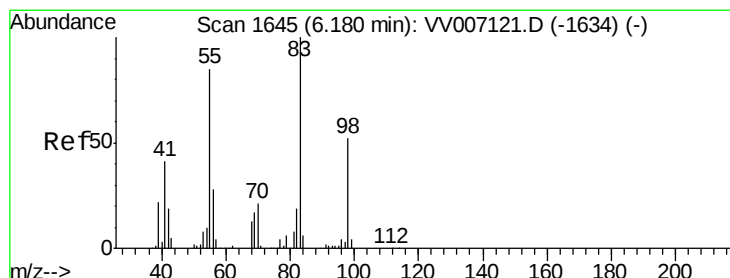
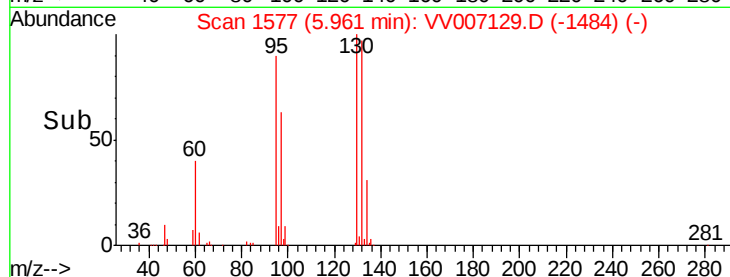
100000

50000

0

5.96

Time-->



#35

Methylcyclohexane

Concen: 52.420 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

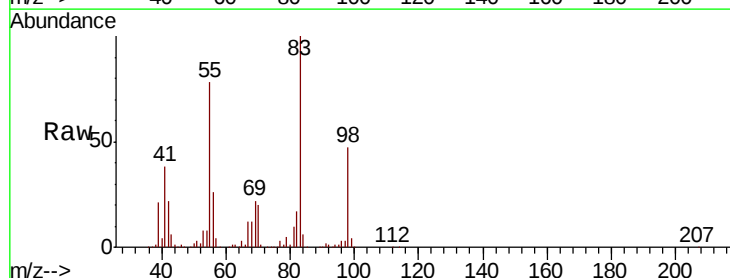
Tgt Ion: 83 Resp: 384104

Ion Ratio Lower Upper

83 100

55 77.7 65.5 98.3

98 48.2 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

250000

200000

150000

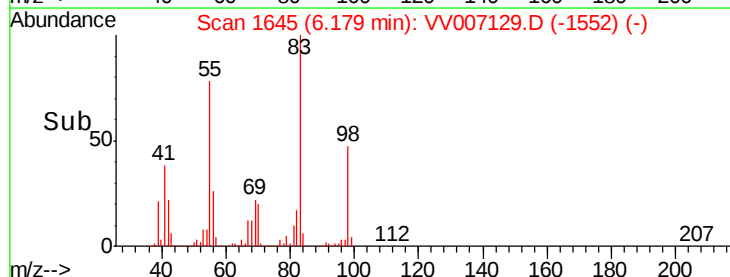
100000

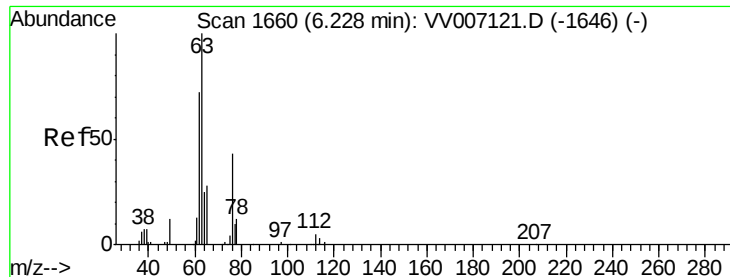
50000

0

6.18

Time-->

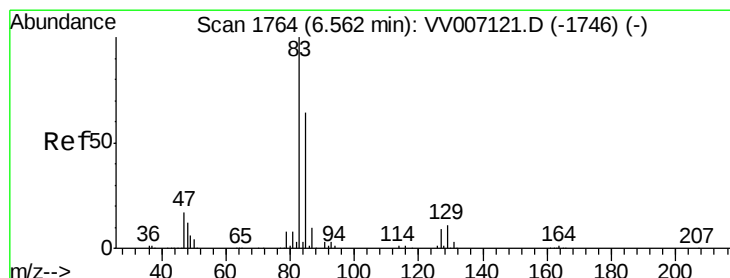
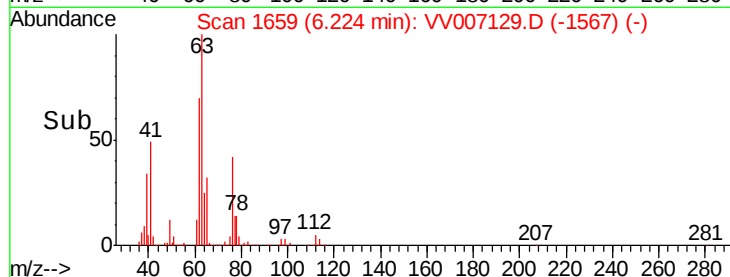
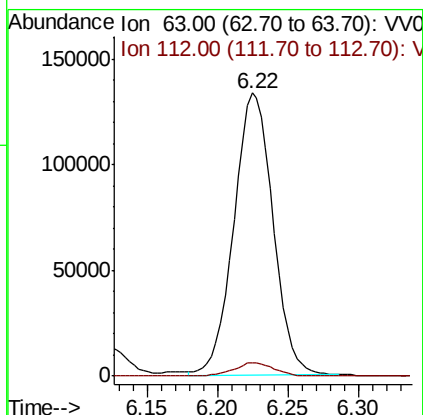
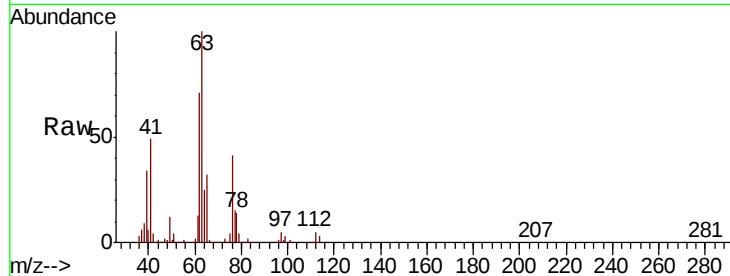




#37
 1,2-Dichloropropane
 Concen: 50.412 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

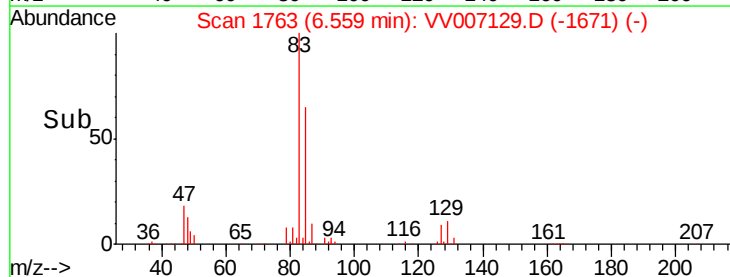
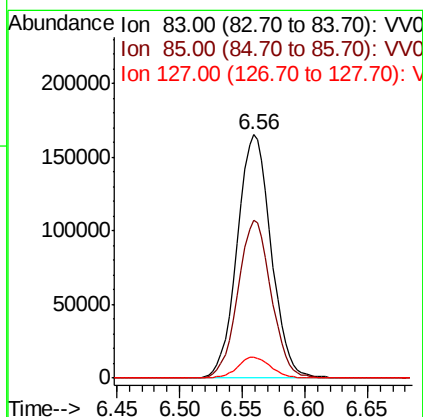
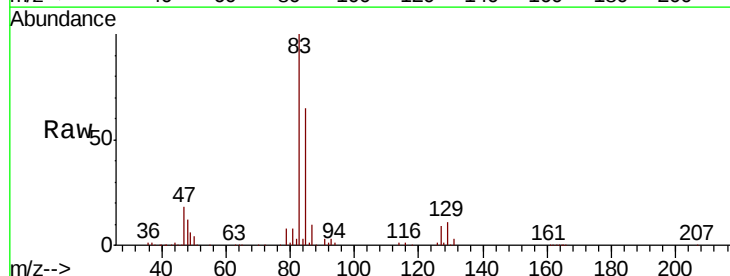
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

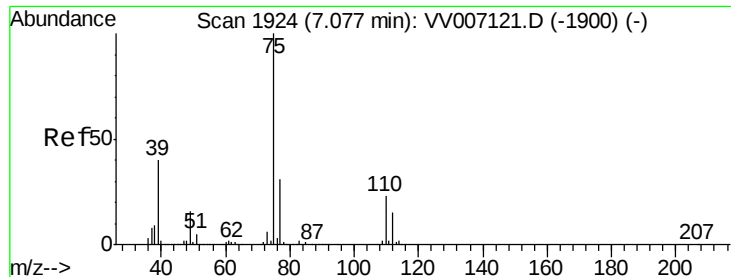
Tgt Ion: 63 Resp: 259889
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 50.160 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Tgt Ion: 83 Resp: 311279
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.3
 127 8.6 7.0 10.4

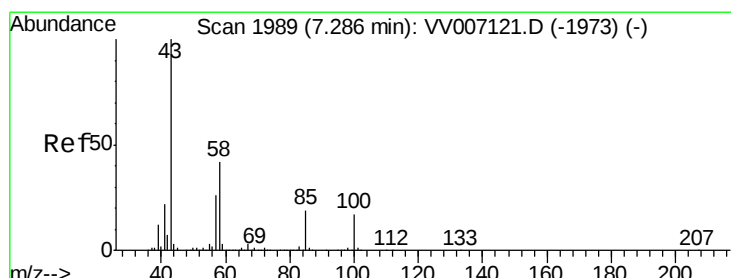
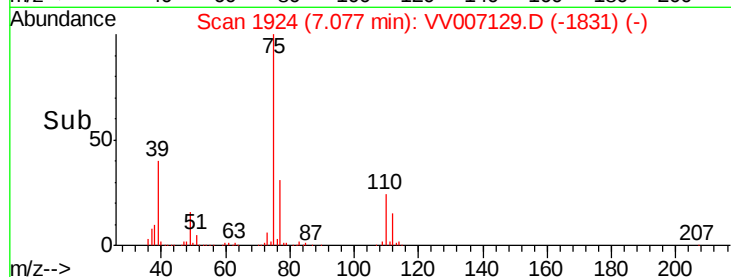
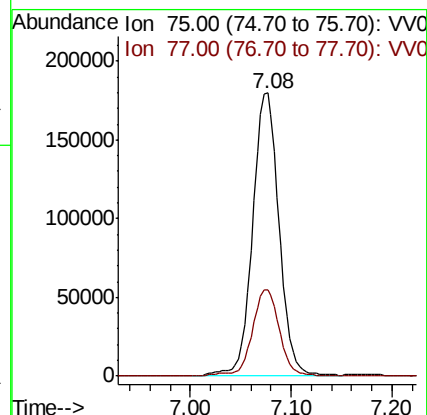
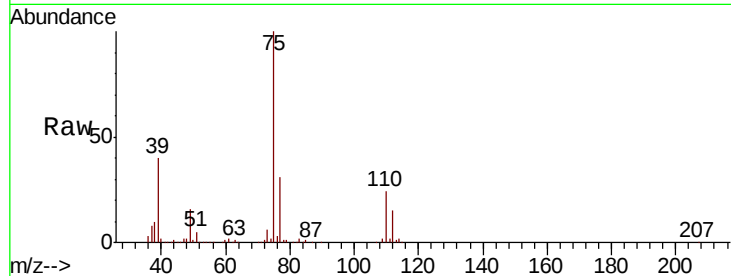




#39
 cis-1,3-Dichloropropene
 Concen: 46.632 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

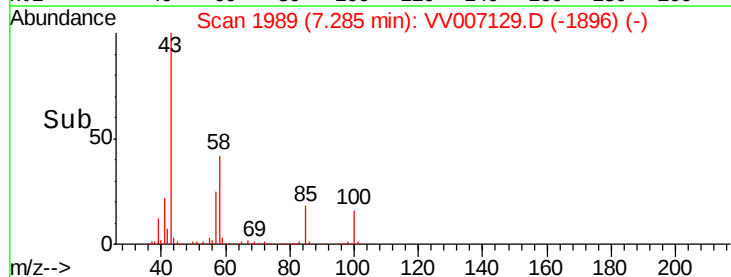
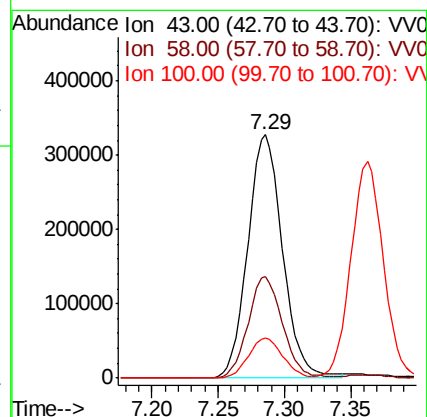
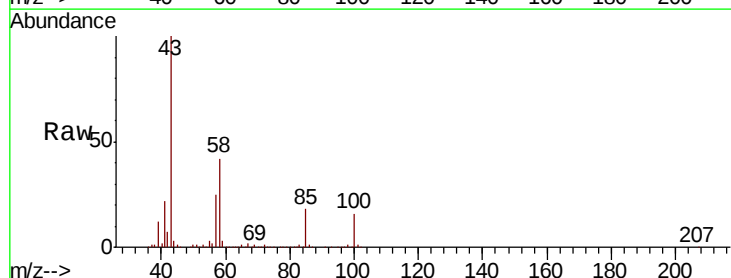
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

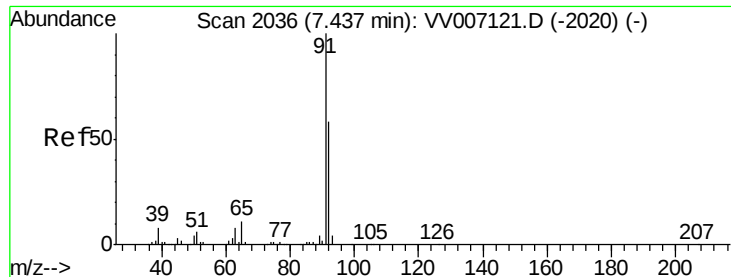
Tgt Ion: 75 Resp: 324824
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 94.768 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Tgt Ion: 43 Resp: 596466
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.4 50.0
 100 16.4 13.1 19.7





#42

Toluene

Concen: 52.588 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

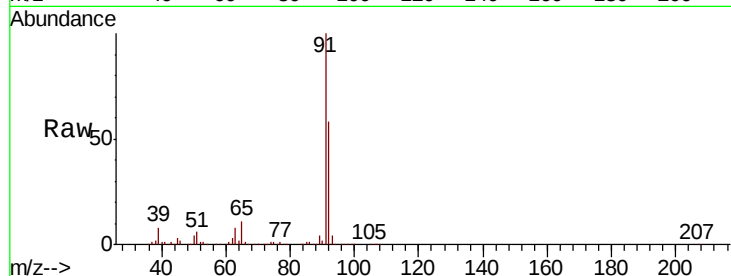
VSTD05061

Tgt Ion: 91 Resp: 985100

Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV007129.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VV007129.D (-2020) (-)

7.43

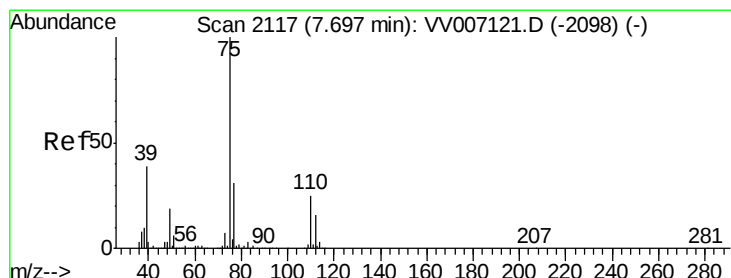
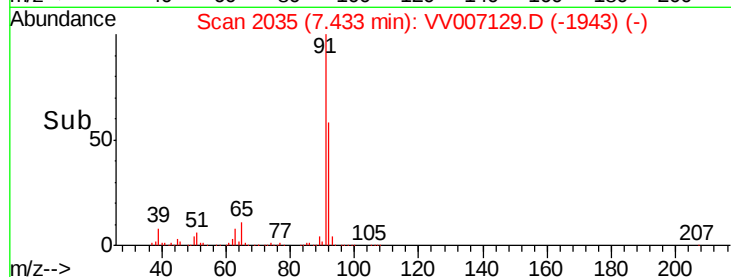
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.928 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007129.D

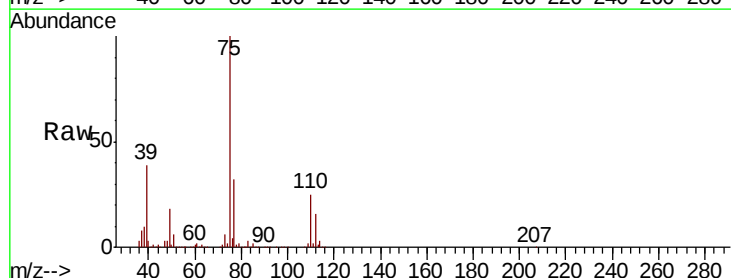
Acq: 23 Aug 2018 09:35

Tgt Ion: 75 Resp: 298098

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV007129.D (-2024) (-)

Ion 77.00 (76.70 to 77.70): VV007129.D (-2024) (-)

7.70

200000

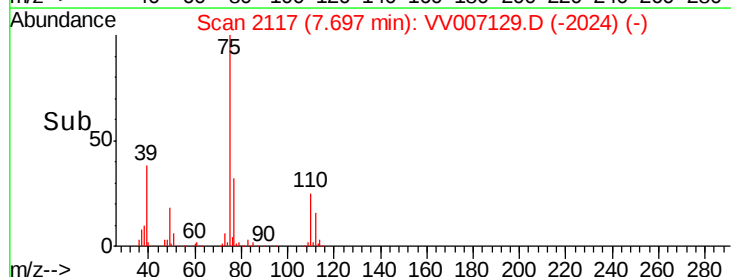
150000

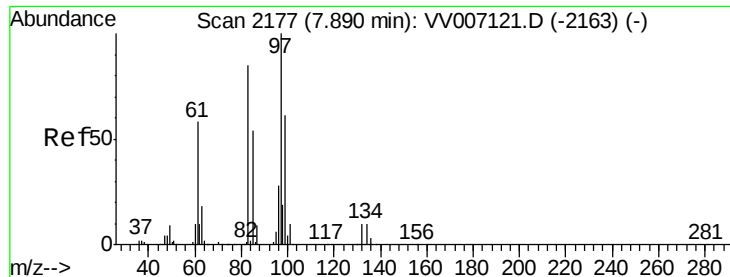
100000

50000

0

Time-->

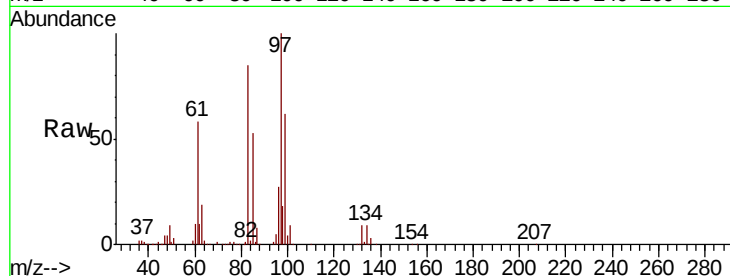




#45
 1,1,2-Trichloroethane
 Concen: 49.526 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	97	Resp:	239742
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.8	79.4
83	84.8	59.6	110.8
85	52.8	37.6	69.8



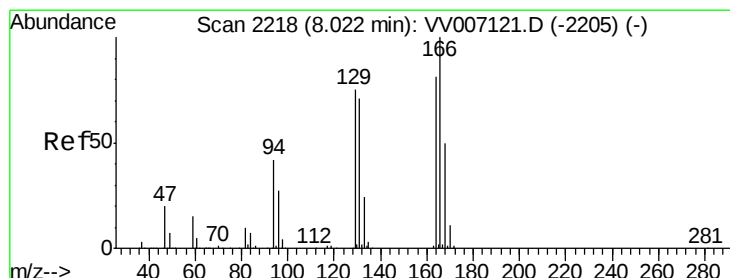
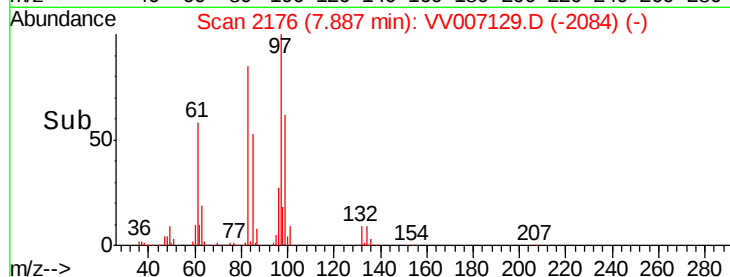
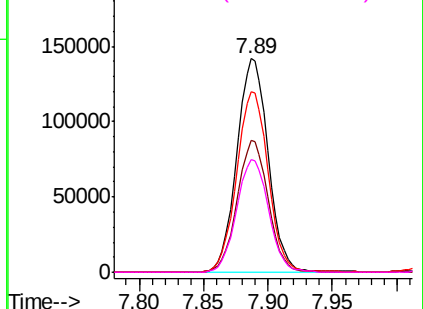
Abundance

Ion 97.00 (96.70 to 97.70): VV007129.D (-2176) (-)

Ion 99.00 (98.70 to 99.70): VV007129.D (-2176) (-)

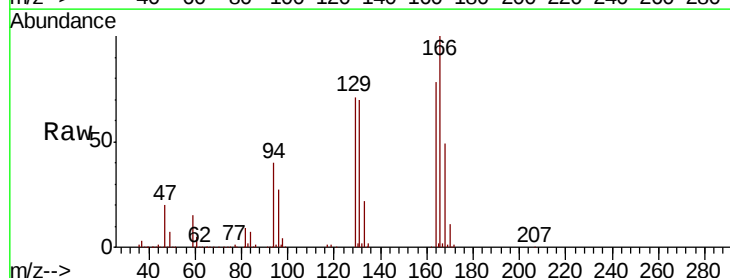
Ion 83.00 (82.70 to 83.70): VV007129.D (-2176) (-)

Ion 85.00 (84.70 to 85.70): VV007129.D (-2176) (-)



#46
 Tetrachloroethene
 Concen: 50.714 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Tgt Ion:	164	Resp:	190392
Ion	Ratio	Lower	Upper
164	100		
129	90.7	64.5	119.9
131	89.5	61.7	114.7
166	127.5	86.5	160.6



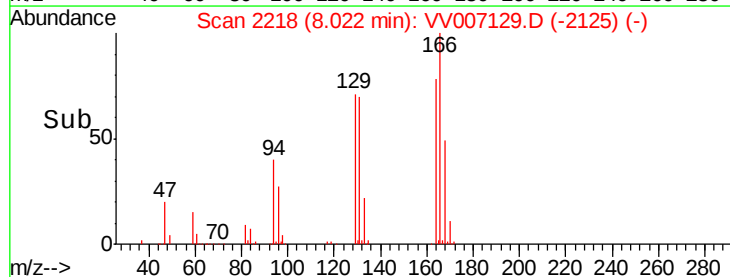
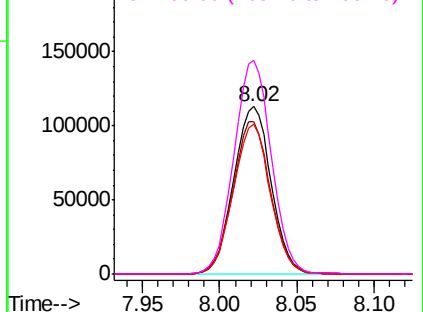
Abundance

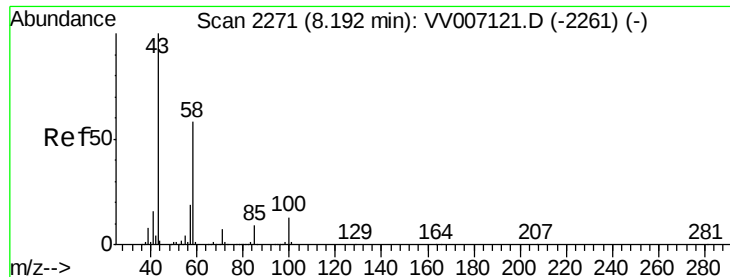
Ion 164.00 (163.70 to 164.70): VV007129.D (-2218) (-)

Ion 129.00 (128.70 to 129.70): VV007129.D (-2218) (-)

Ion 131.00 (130.70 to 131.70): VV007129.D (-2218) (-)

Ion 166.00 (165.70 to 166.70): VV007129.D (-2218) (-)

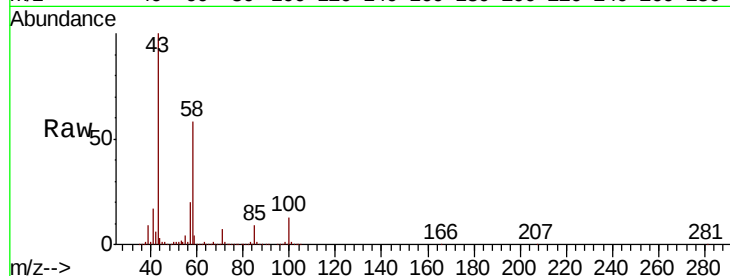




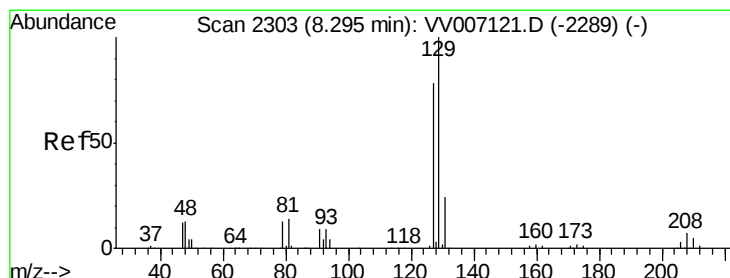
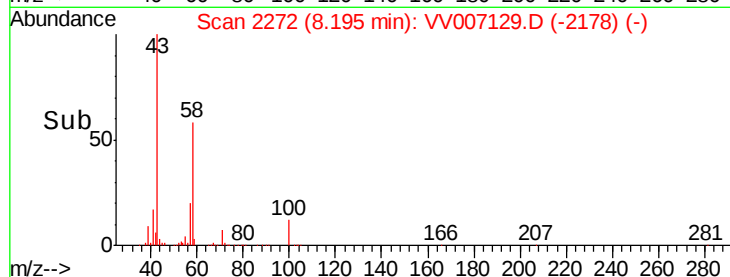
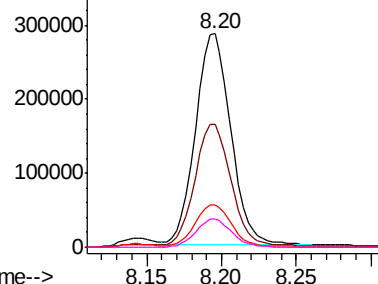
#48
2-Hexanone
Concen: 92.128 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion:	43	Resp:	469691
Ion	Ratio	Lower	Upper
43	100		
58	58.9	47.9	71.9
57	20.6	15.8	23.8
100	13.2	10.6	16.0

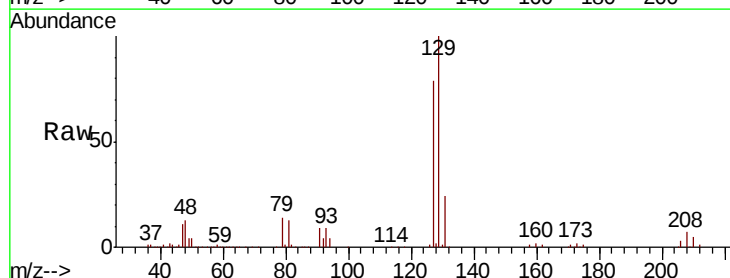


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

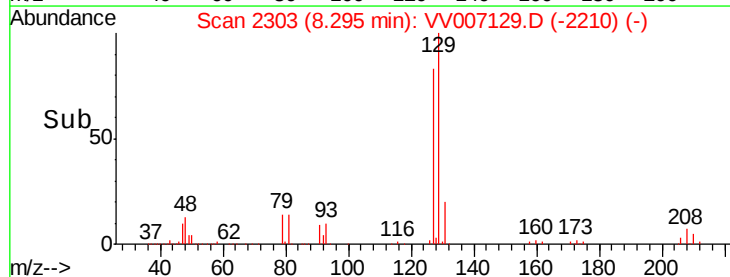
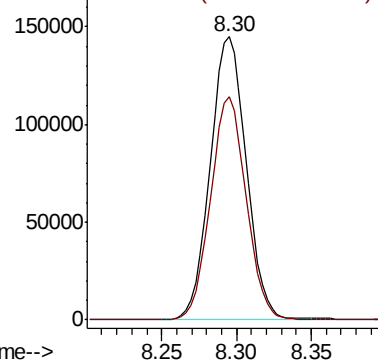


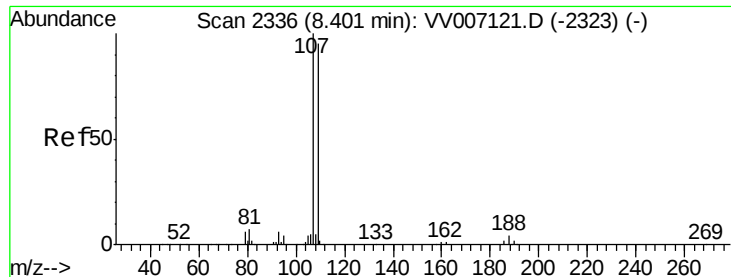
#49
Dibromochloromethane
Concen: 50.274 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

Tgt Ion:	129	Resp:	243613
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.3	100.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

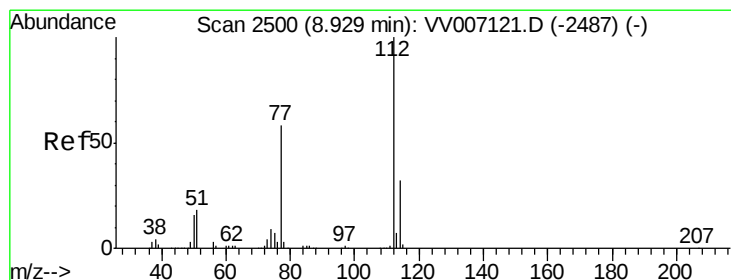
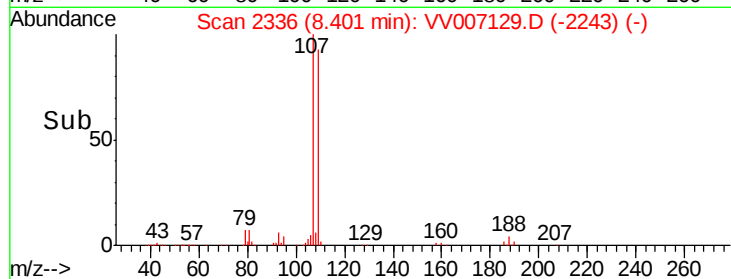
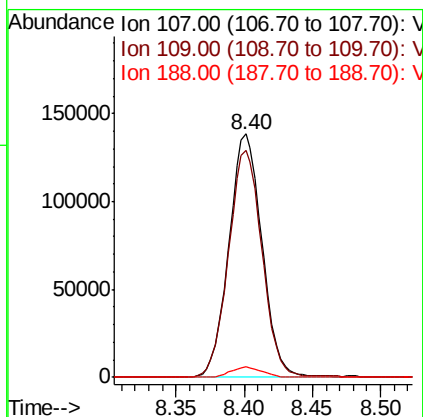
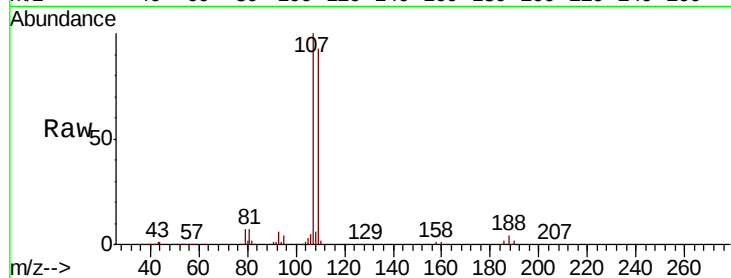




#50
1,2-Dibromoethane
Concen: 48.942 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

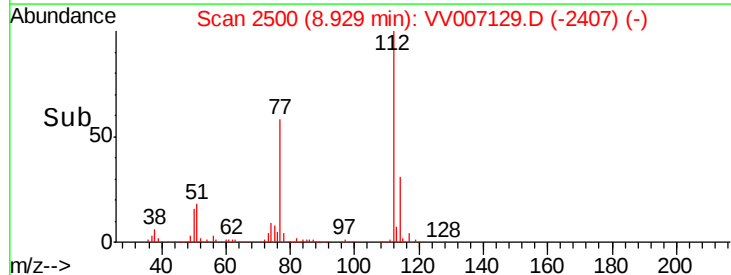
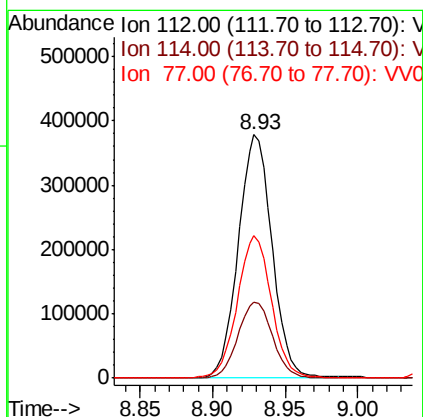
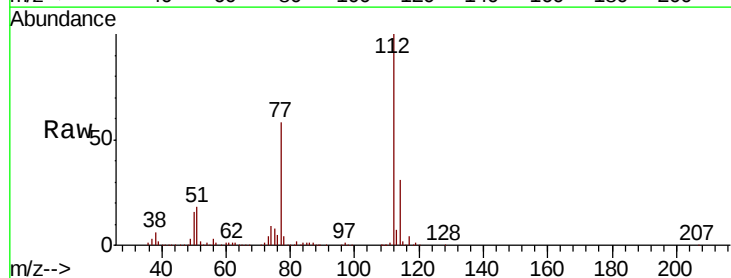
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

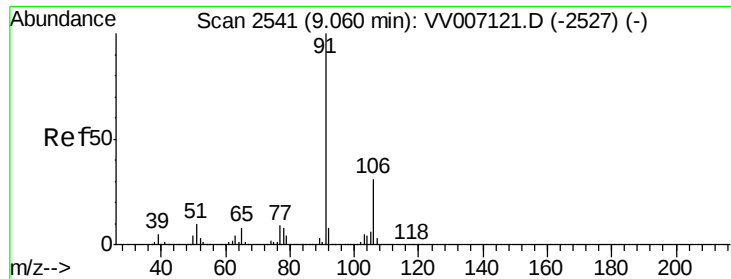
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.5	123.5
188	4.3	3.3	4.9



#51
Chlorobenzene
Concen: 49.385 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007129.D
Acq: 23 Aug 2018 09:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.3	41.3
77	58.3	46.6	70.0





#52

Ethylbenzene

Concen: 51.335 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

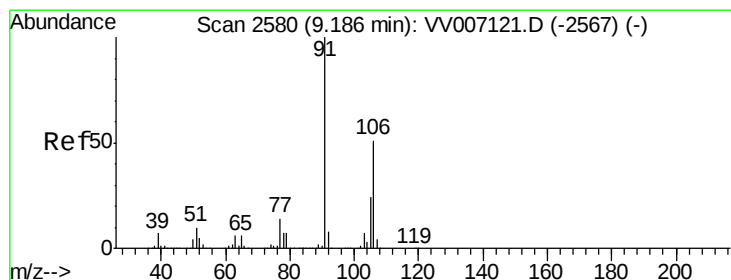
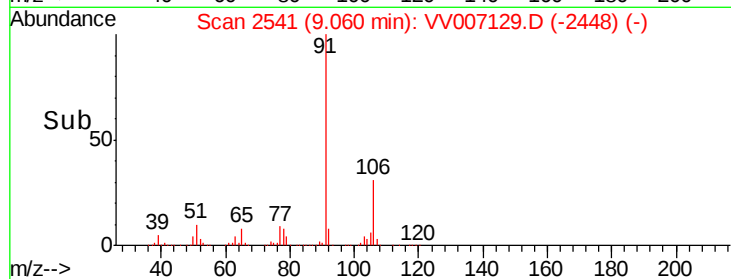
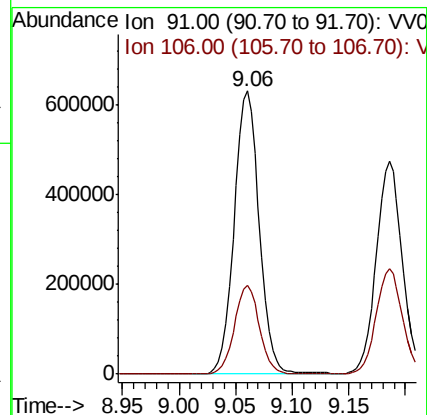
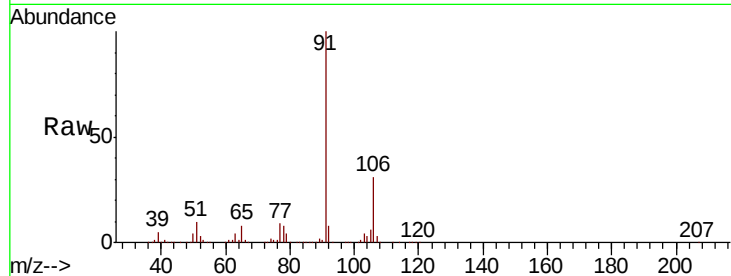
VSTD05061

Tgt Ion: 91 Resp: 974607

Ion Ratio Lower Upper

91 100

106 31.2 21.4 39.8



#53

m,p-Xylene

Concen: 52.130 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007129.D

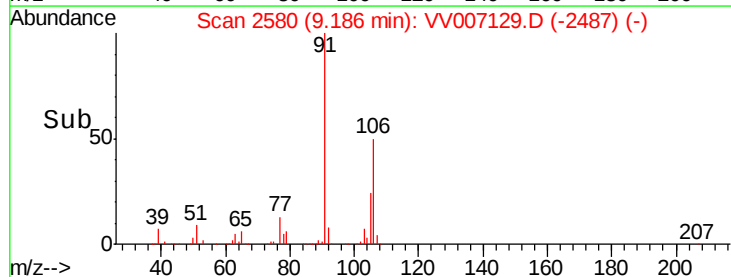
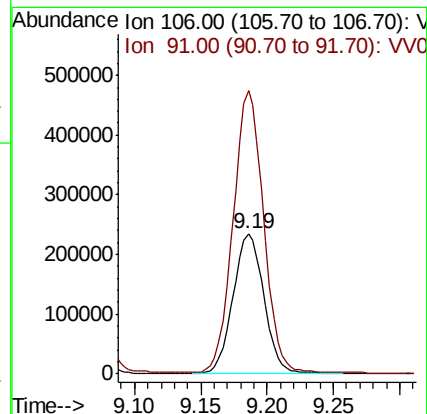
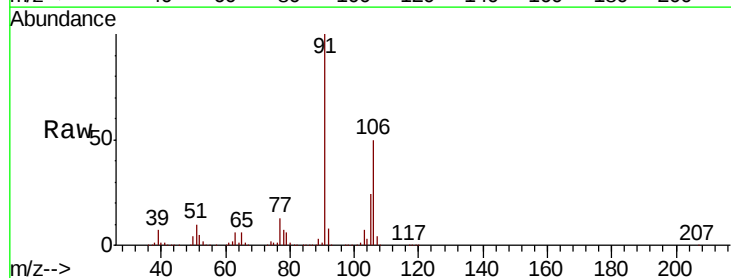
Acq: 23 Aug 2018 09:35

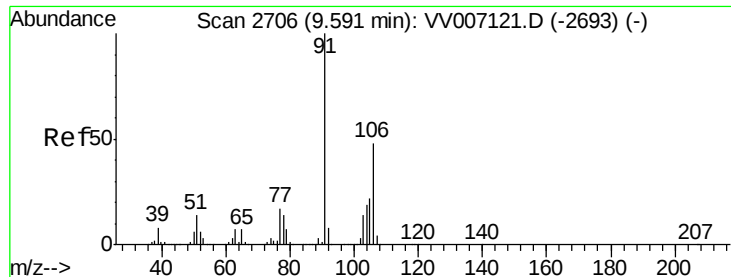
Tgt Ion: 106 Resp: 378186

Ion Ratio Lower Upper

106 100

91 201.6 138.7 257.5





#54

o-xylene

Concen: 52.488 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

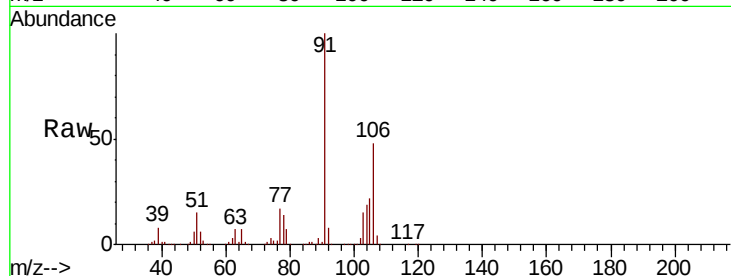
VSTD05061

Tgt Ion:106 Resp: 370467

Ion Ratio Lower Upper

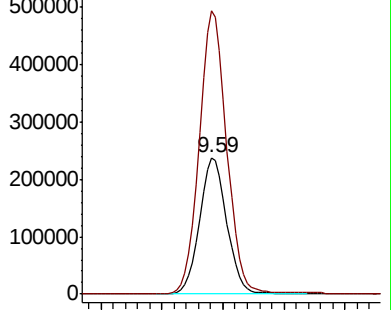
106 100

91 207.9 146.3 271.7

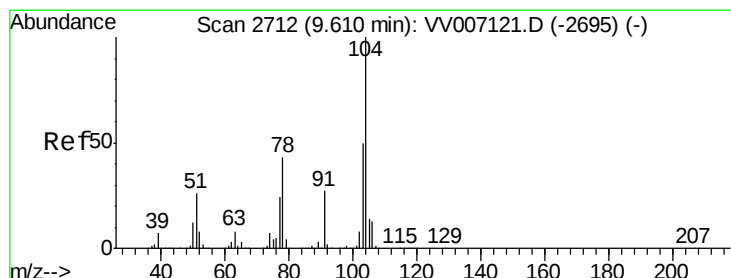
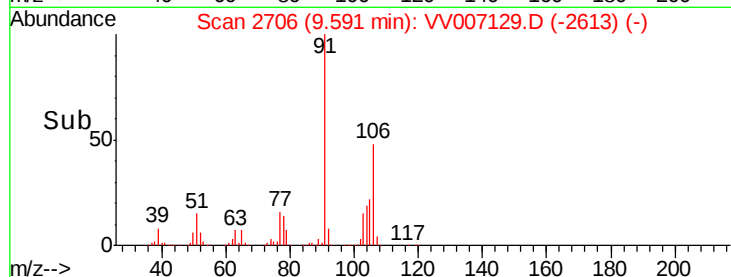


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 53.879 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007129.D

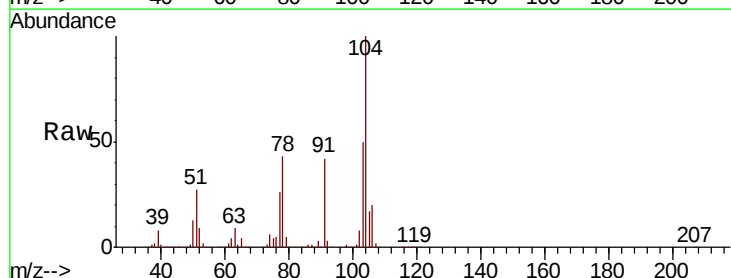
Acq: 23 Aug 2018 09:35

Tgt Ion:104 Resp: 656677

Ion Ratio Lower Upper

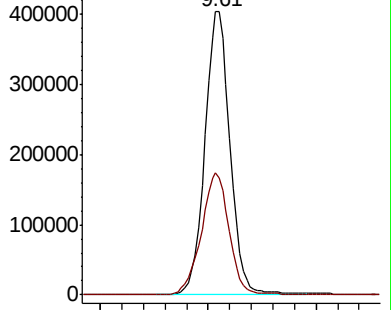
104 100

78 42.9 30.0 55.6

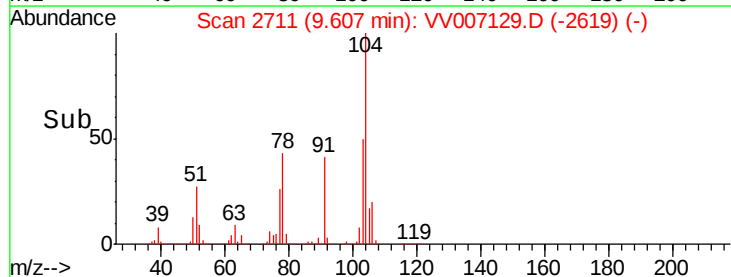


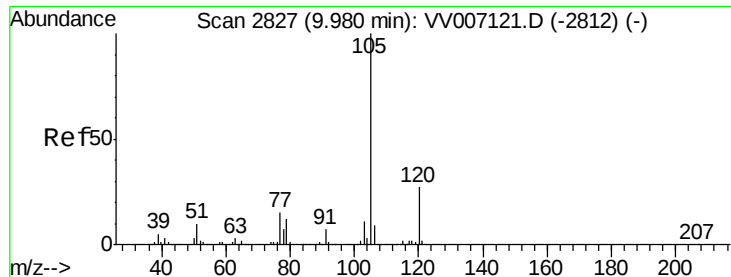
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 52.635 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

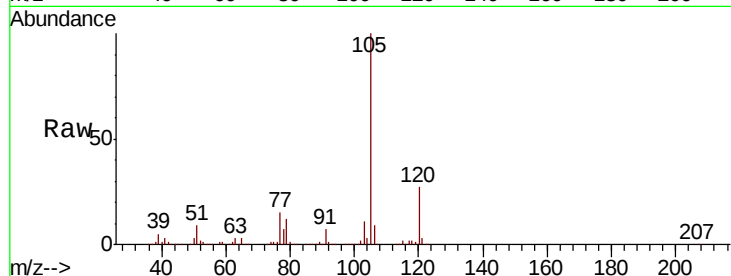
Tgt Ion: 105 Resp: 936802

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

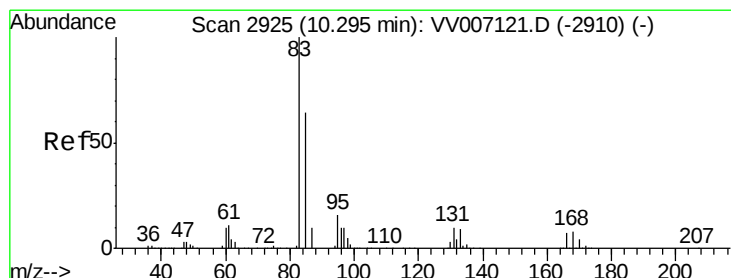
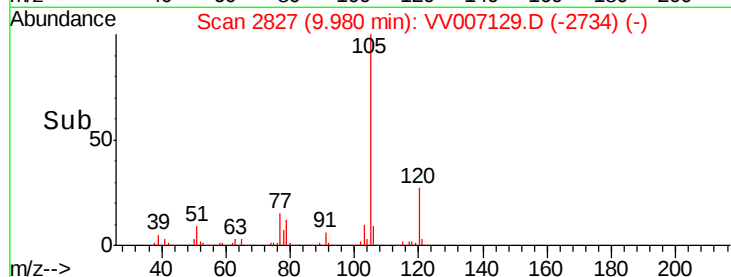
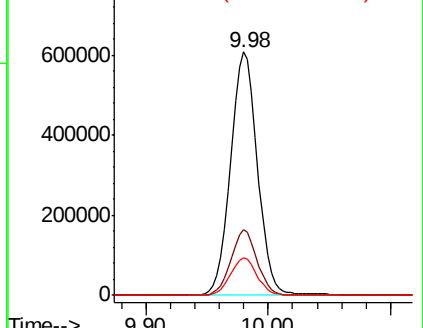
77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.627 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

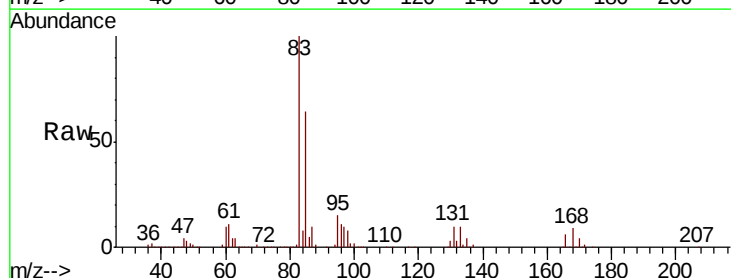
Tgt Ion: 83 Resp: 391669

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

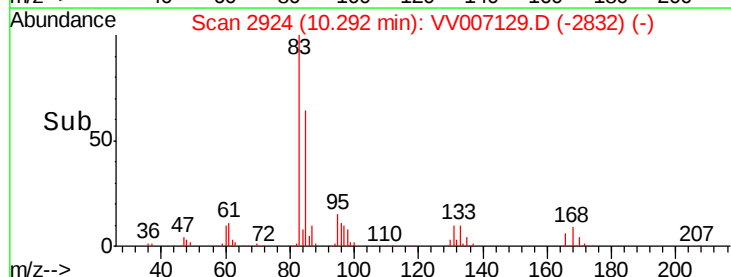
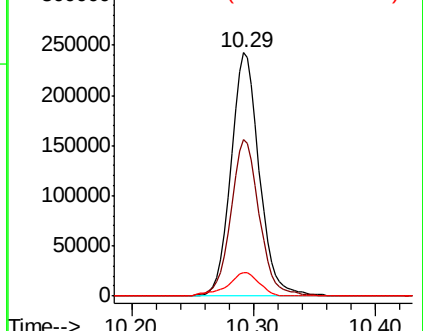
131 9.7 7.8 11.8

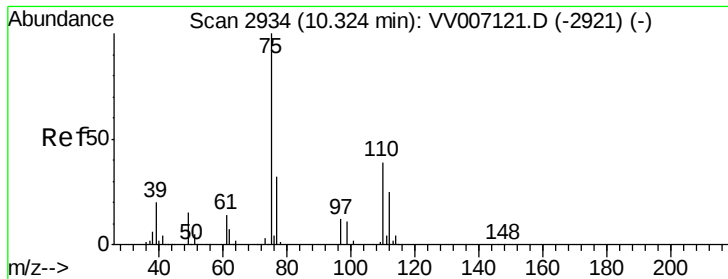


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.098 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

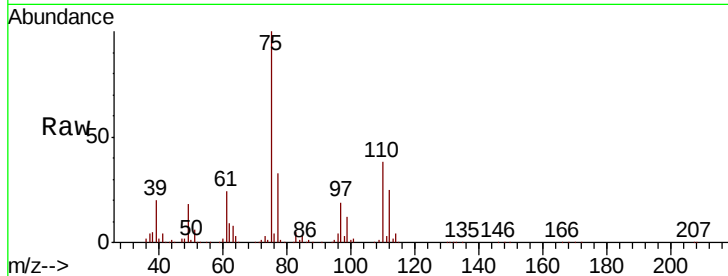
VSTD05061

Tgt Ion: 75 Resp: 308831

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV007121.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007121.D (-2921) (-)

10.32

200000

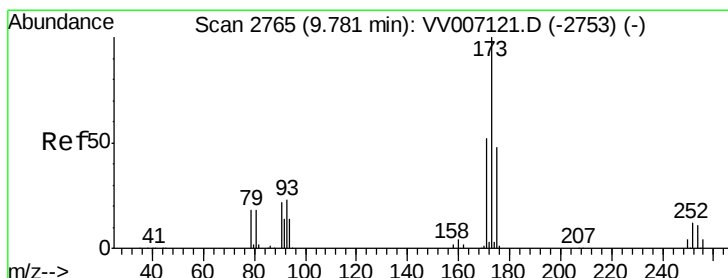
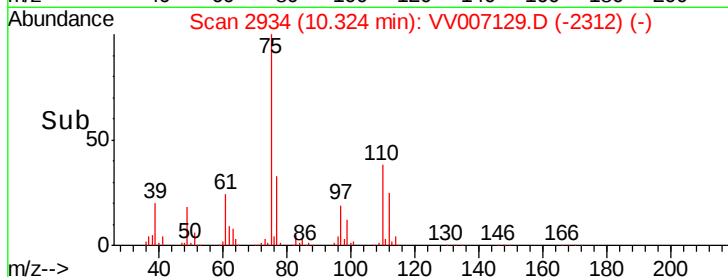
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.693 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

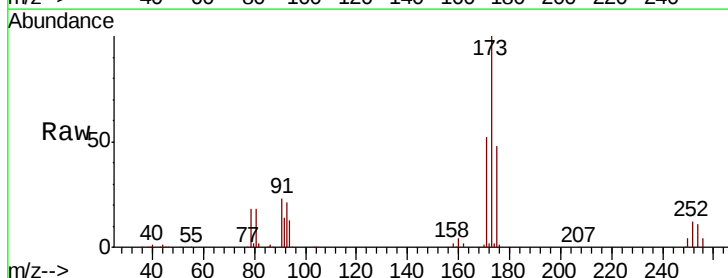
Tgt Ion: 173 Resp: 176983

Ion Ratio Lower Upper

173 100

175 48.2 37.9 56.9

254 11.3 9.2 13.8



Abundance Ion 173.00 (172.70 to 173.70): VV007121.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007121.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007121.D (-2753) (-)

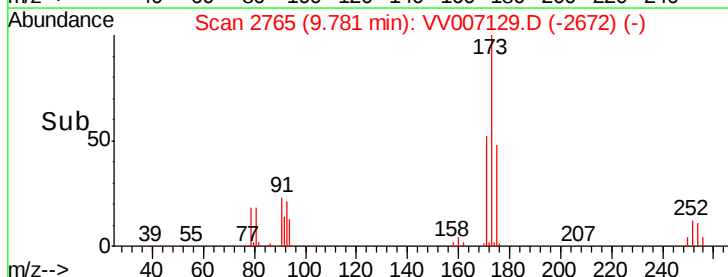
9.78

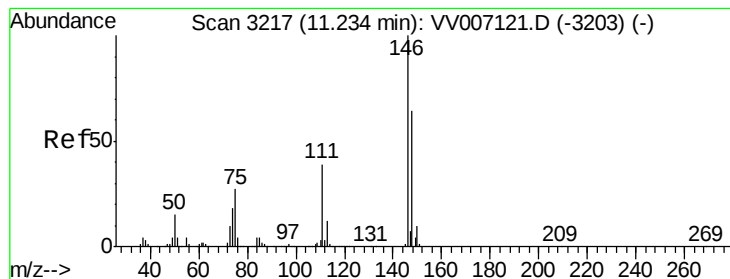
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.825 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

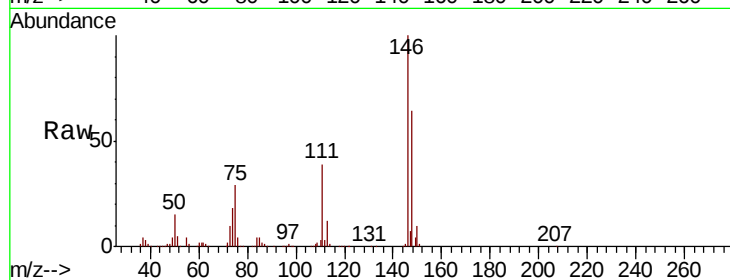
Tgt Ion:146 Resp: 433573

Ion Ratio Lower Upper

146 100

111 39.0 27.1 50.3

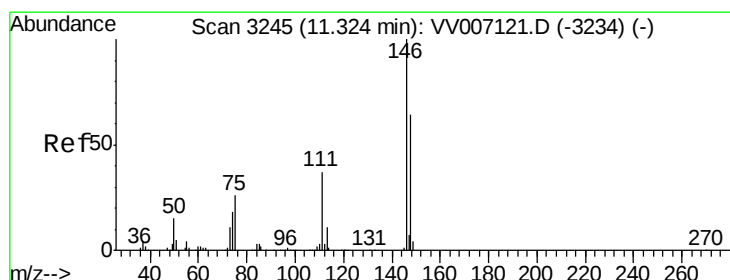
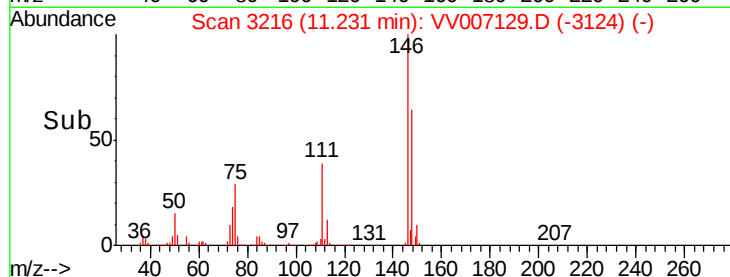
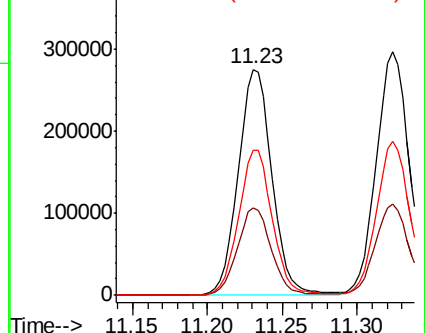
148 64.4 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.514 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

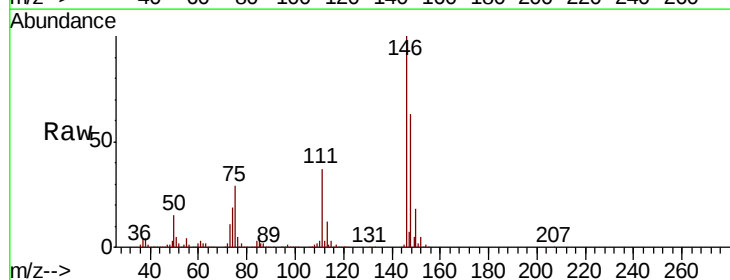
Tgt Ion:146 Resp: 465551

Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.6

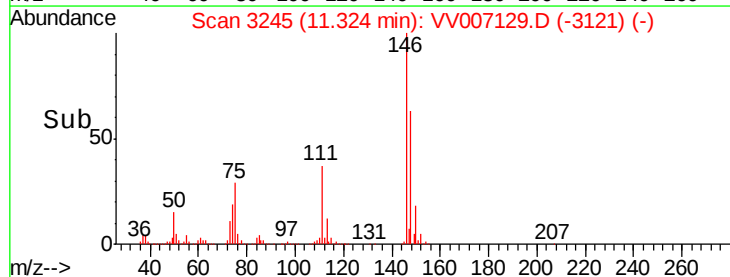
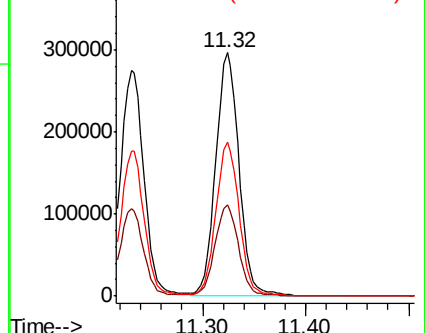
148 63.1 44.7 82.9

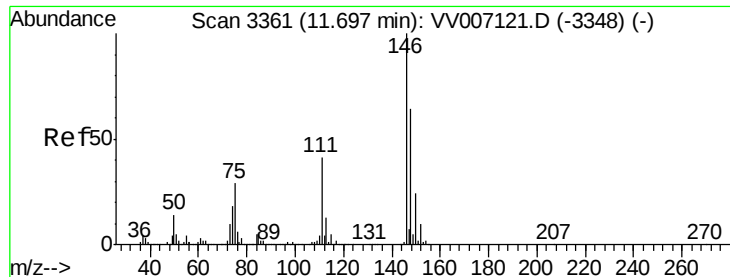


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.506 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

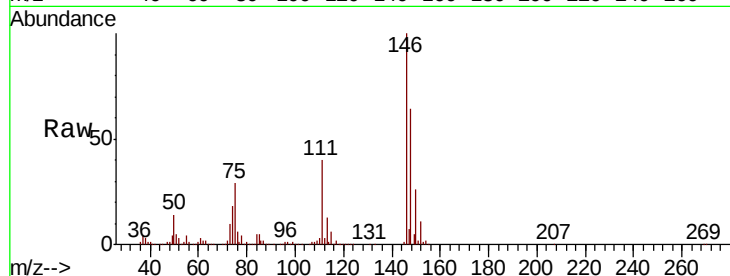
Tgt Ion:146 Resp: 492959

Ion Ratio Lower Upper

146 100

111 40.3 32.5 48.7

148 64.1 50.8 76.2

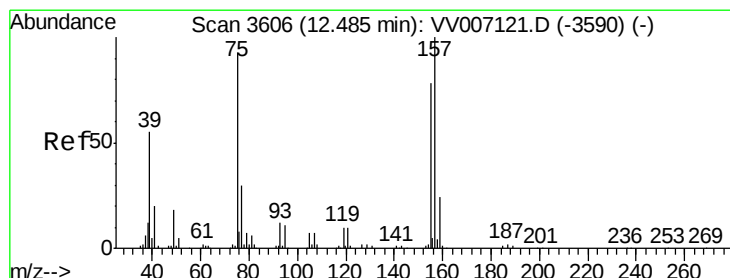
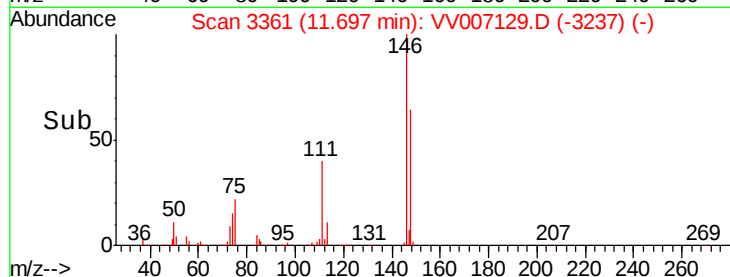
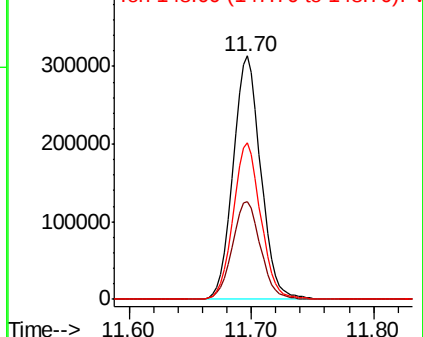


Abundance

Ion 146.00 (145.70 to 146.70): 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: 47.531 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

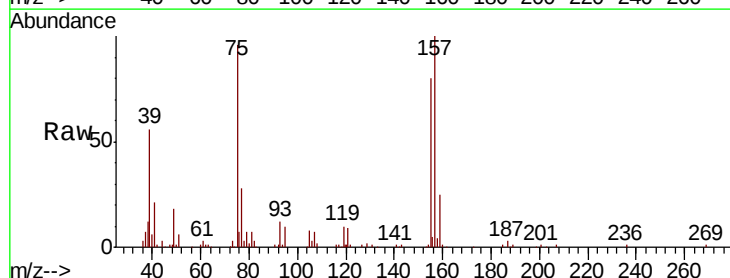
Tgt Ion: 75 Resp: 65843

Ion Ratio Lower Upper

75 100

155 83.4 66.8 100.2

157 104.0 85.8 128.8

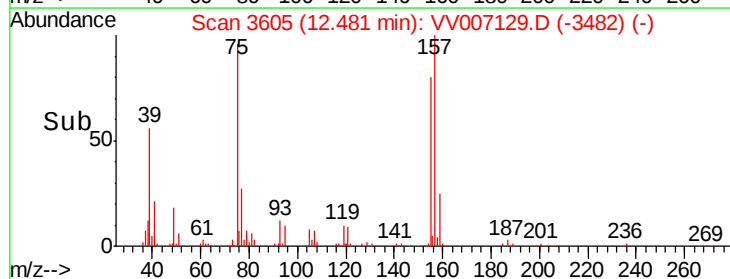
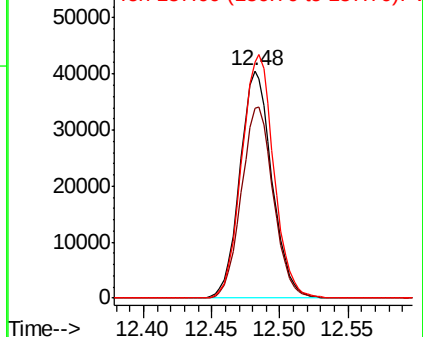


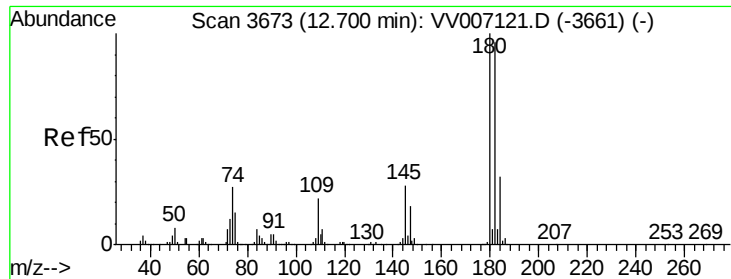
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

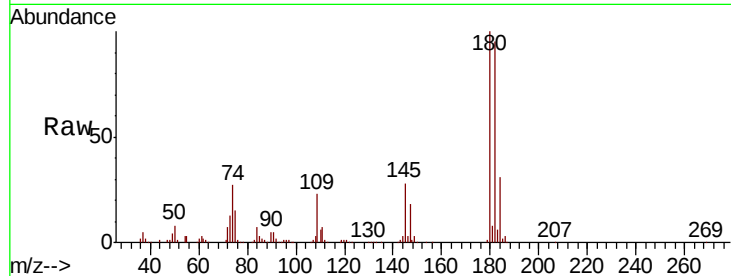




#67
 1,3,5-Trichlorobenzene
 Concen: 52.892 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	180	Resp:	319707
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
184	30.4	24.6	37.0
145	27.7	22.6	33.8



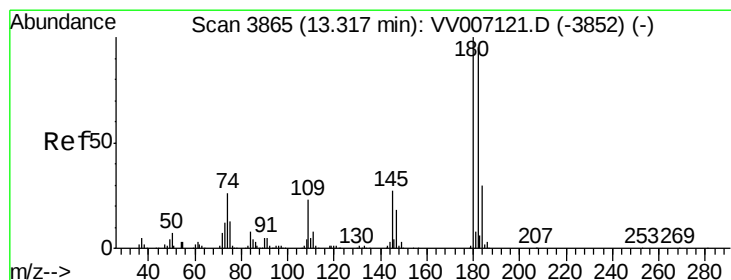
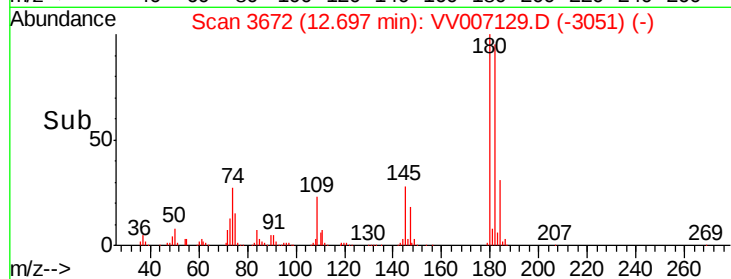
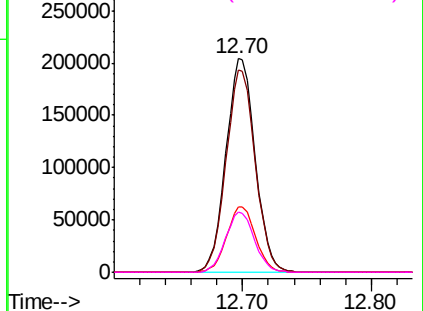
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

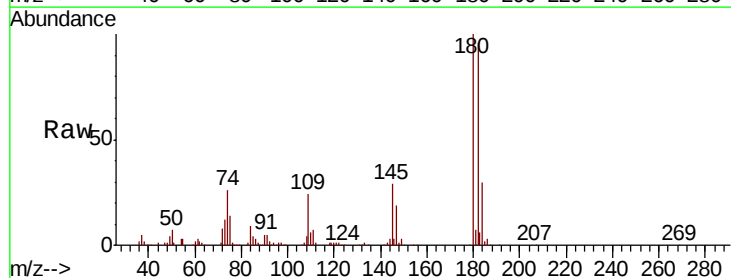
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.042 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV007129.D
 Acq: 23 Aug 2018 09:35

Tgt Ion:	180	Resp:	225817
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	28.2	22.7	34.1

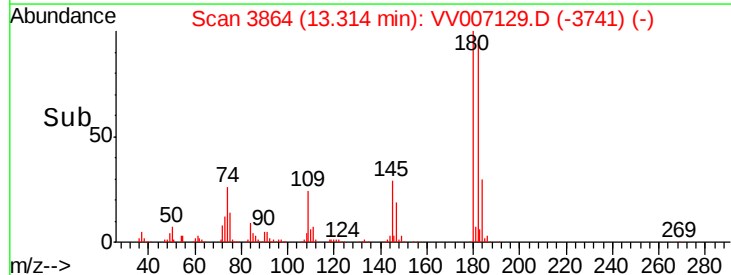
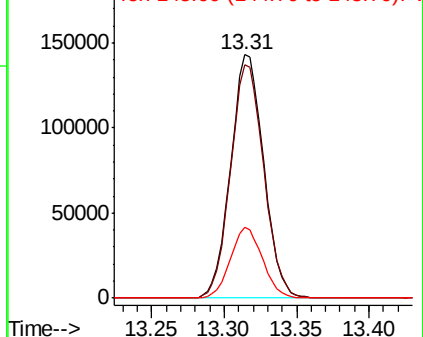


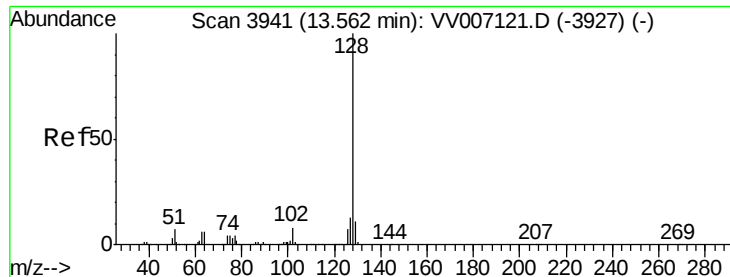
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.888 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

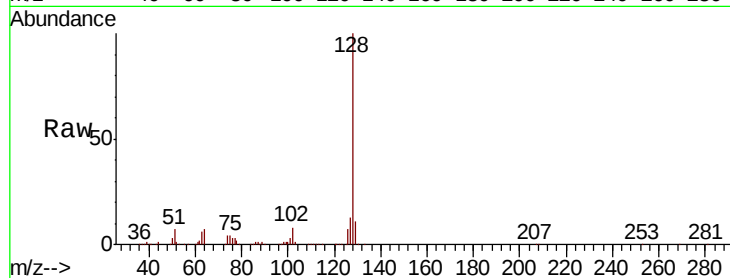
Tgt Ion:128 Resp: 557859

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

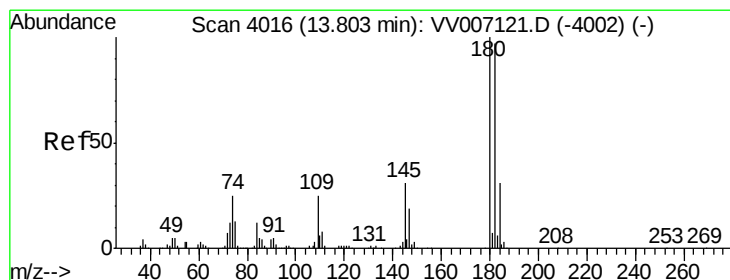
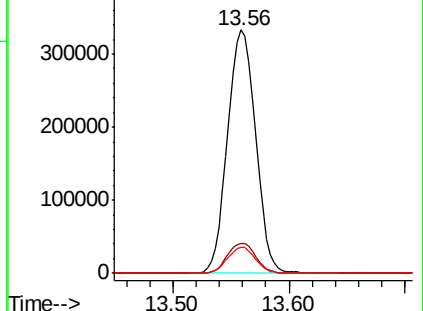
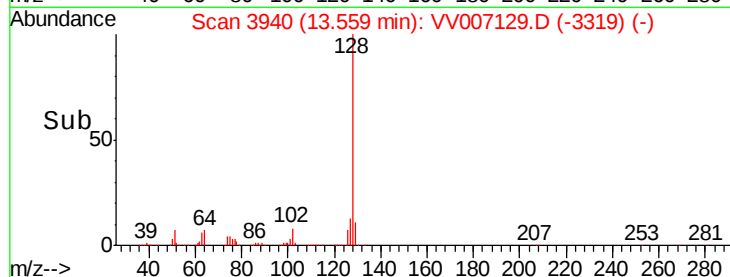
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.952 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007129.D

Acq: 23 Aug 2018 09:35

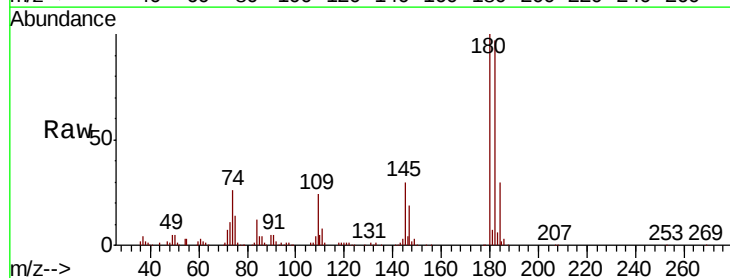
Tgt Ion:180 Resp: 255629

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 30.0 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

