

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061218\
 Data File : VV006249.D
 Acq On : 12 Jun 2018 16:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Jun 13 01:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 13 01:21:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	291967	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	263056	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	130988	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78523	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	72343	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.40%
11) 1,1-Dichloroethene-d2	2.13	63	158037	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	3.95	46	212111	62.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.30%
24) Chloroform-d	4.41	84	163977	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.09	65	78200	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.10	84	317984	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	98784	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	291362	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	40422	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	197633	53.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	73425	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	119487	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	89482	4.02	ug/L	# 87
3) Chloromethane	1.26	50	100646	5.41	ug/L	98
5) Vinyl chloride	1.32	62	118385	5.26	ug/L	100
6) Bromomethane	1.54	94	59459	4.97	ug/L	96
8) Chloroethane	1.60	64	73363	5.83	ug/L	98
9) Trichlorofluoromethane	1.77	101	168669	5.77	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104995	5.82	ug/L	98
12) 1,1-Dichloroethene	2.14	96	97308	5.81	ug/L	93
13) Acetone	2.21	43	132925	72.45	ug/L	97
14) Carbon disulfide	2.32	76	286205	5.10	ug/L	99
15) Methyl Acetate	2.47	43	35911	6.58	ug/L	97
16) Methylene chloride	2.54	84	106367	5.75	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	239661	5.78	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	107007	5.85	ug/L	96
19) 1,1-Dichloroethane	3.23	63	173469	5.64	ug/L	99
21) 2-Butanone	4.04	43	204258	61.19	ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	110499	5.59	ug/L	# 97

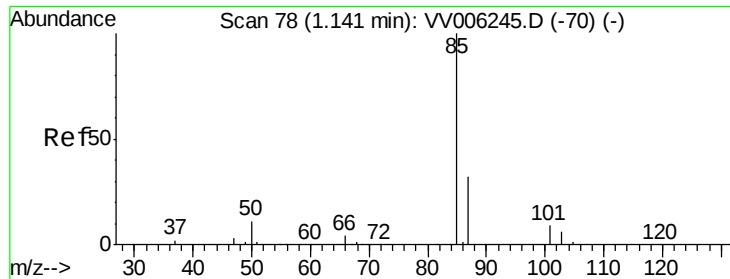
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061218\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	44107	5.56	ug/L	98
25) Chloroform	4.43	83	178924	5.63	ug/L	98
27) 1,2-Dichloroethane	5.19	62	101506	5.57	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	157280	5.41	ug/L	99
30) Cyclohexane	4.73	56	159697	5.34	ug/L	96
31) Carbon tetrachloride	4.88	117	136804	5.34	ug/L	100
33) Benzene	5.15	78	398647	5.50	ug/L	100
34) Trichloroethene	5.96	95	108583	5.49	ug/L	98
35) Methylcyclohexane	6.18	83	182759	5.37	ug/L	99
37) 1,2-Dichloropropane	6.23	63	95107	5.47	ug/L	100
38) Bromodichloromethane	6.56	83	121686	5.26	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	149115	5.27	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	496613	55.26	ug/L	98
42) Toluene	7.43	91	439140	5.49	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	119444	5.20	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	67730	5.51	ug/L	98
47) Tetrachloroethene	8.02	164	90596	5.72	ug/L	99
48) 2-Hexanone	8.19	43	355435	56.28	ug/L	99
49) Dibromochloromethane	8.30	129	80867	5.22	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63211	5.52	ug/L	100
51) Chlorobenzene	8.93	112	288996	5.62	ug/L	99
52) Ethylbenzene	9.06	91	490290	5.50	ug/L	99
53) m,p-xylene	9.19	106	191028	5.49	ug/L	100
54) o-xylene	9.59	106	188843	5.55	ug/L	97
55) Styrene	9.61	104	307476	5.49	ug/L	99
56) Isopropylbenzene	9.98	105	500426	5.58	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	72163	5.12	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	54799	5.60	ug/L	99
61) Bromoform	9.78	173	42796	4.81	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	225878	5.47	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	224177	5.49	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	212117	5.57	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12020	4.80	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	178542	5.62	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	138332	5.63	ug/L	100
69) Naphthalene	13.56	128	219597	5.31	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127887	5.67	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.02 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

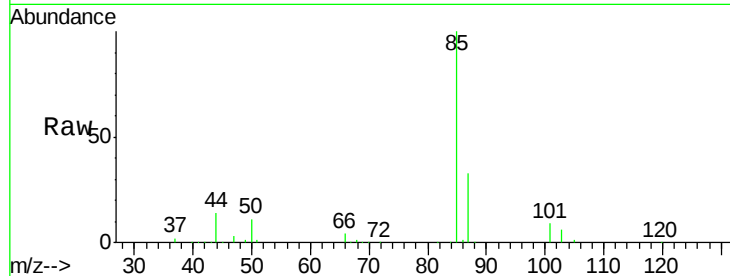
VSTD00562

Tgt Ion: 85 Resp: 89482

Ion Ratio Lower Upper

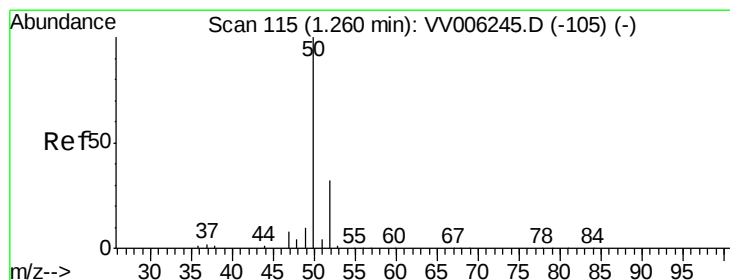
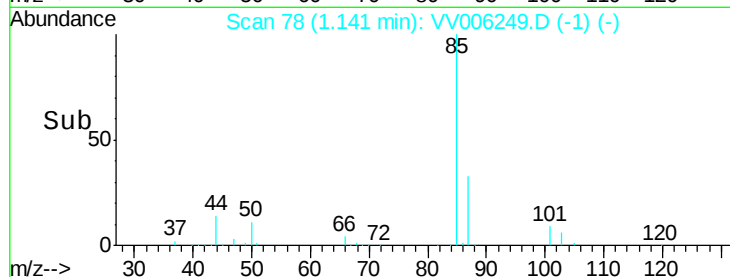
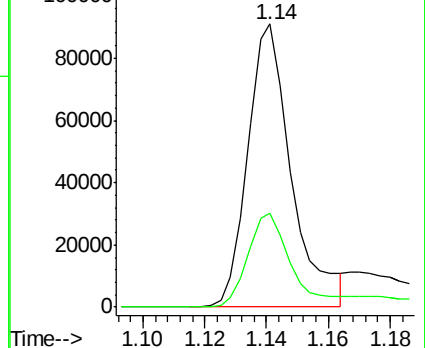
85 100

87 40.2 26.2 39.4#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.41 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006249.D

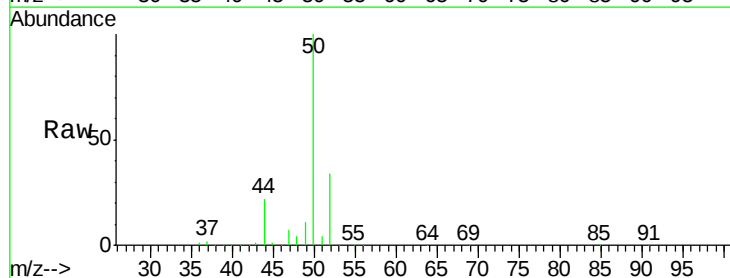
Acq: 12 Jun 2018 16:24

Tgt Ion: 50 Resp: 100646

Ion Ratio Lower Upper

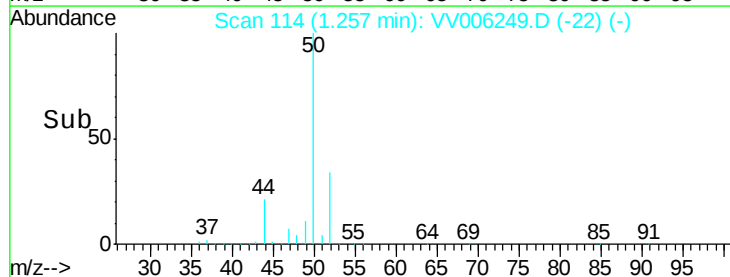
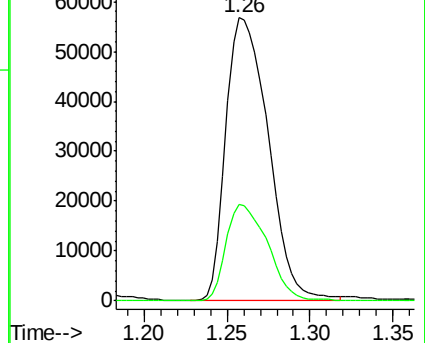
50 100

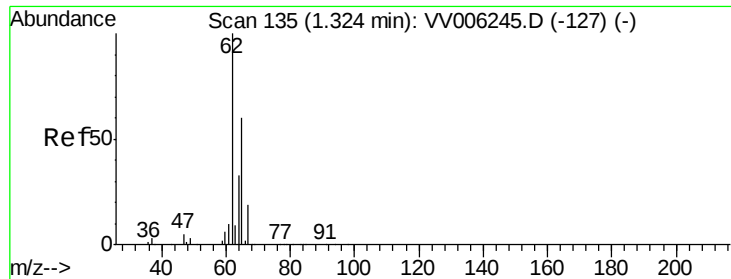
52 34.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.26 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

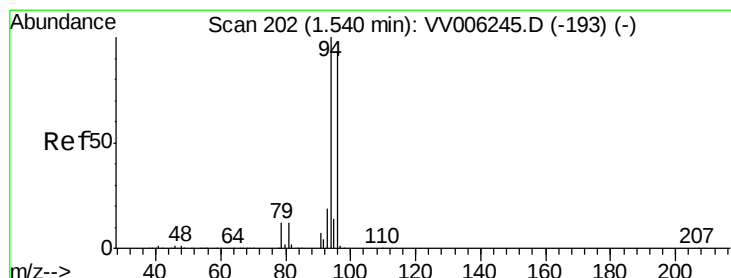
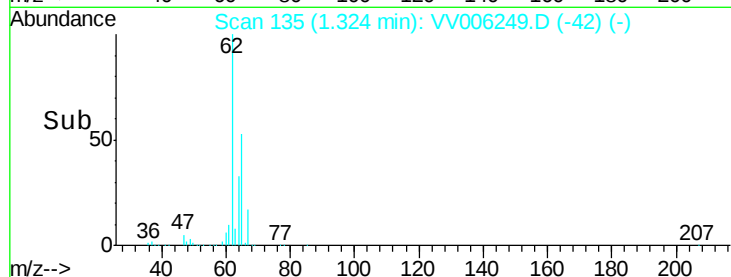
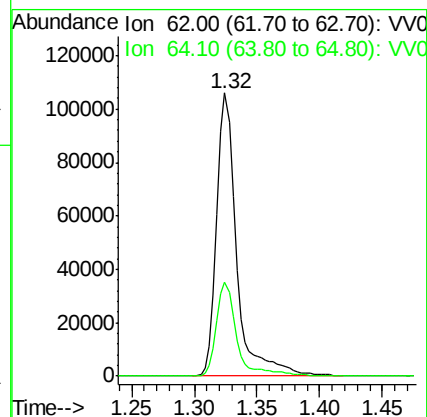
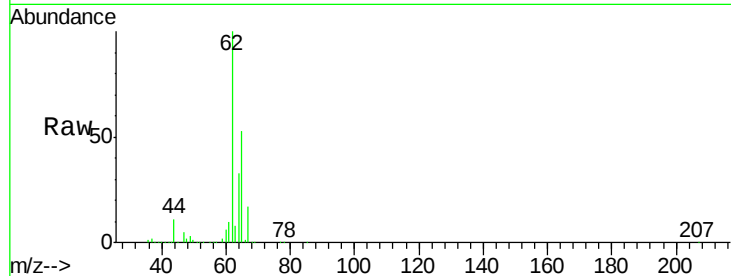
VSTD00562

Tgt Ion: 62 Resp: 118385

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 4.97 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006249.D

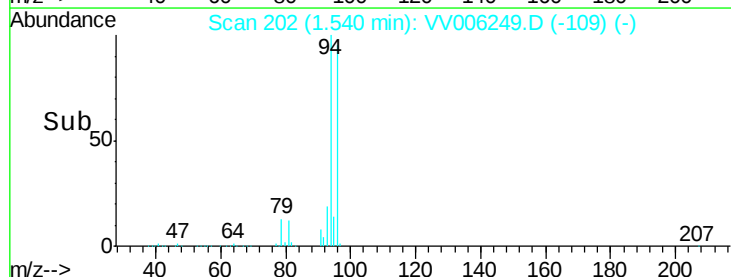
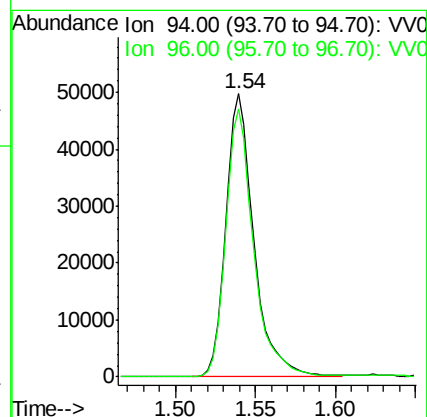
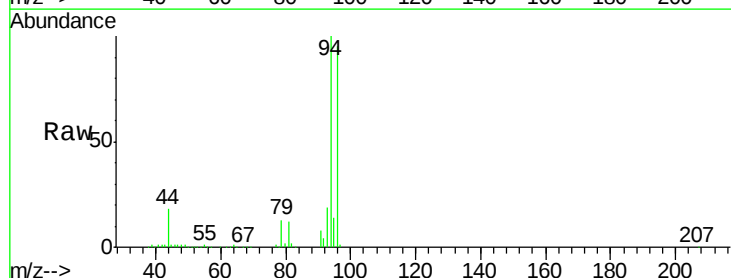
Acq: 12 Jun 2018 16:24

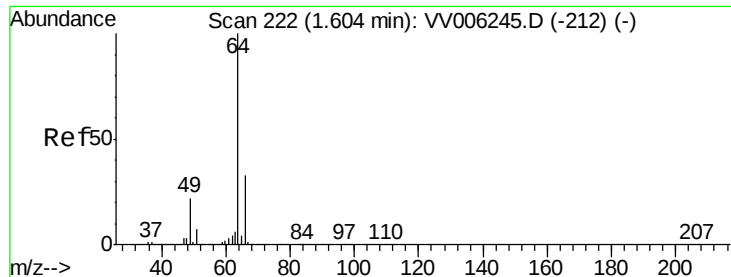
Tgt Ion: 94 Resp: 59459

Ion Ratio Lower Upper

94 100

96 94.6 68.9 127.9





#8

Chloroethane

Concen: 5.83 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

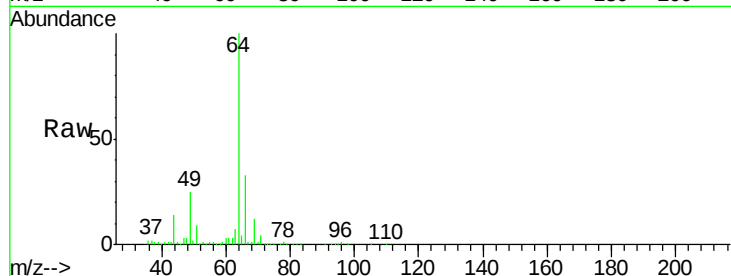
VSTD00562

Tgt Ion: 64 Resp: 73363

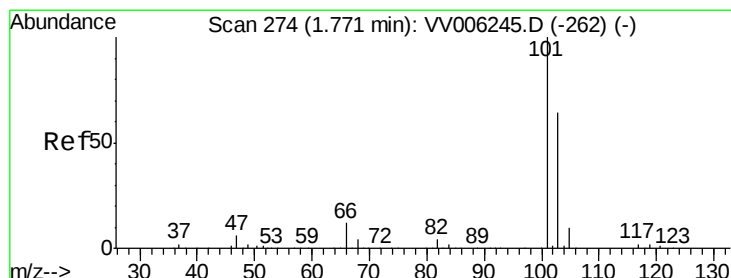
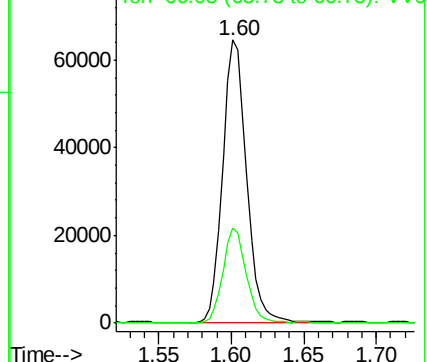
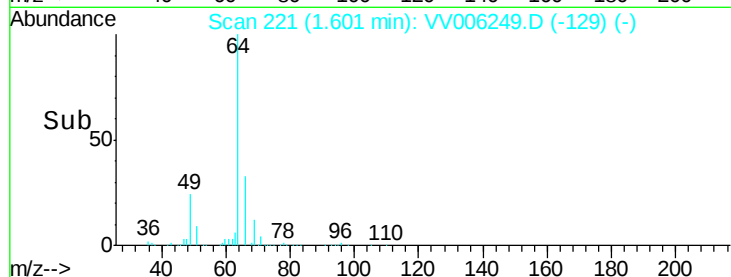
Ion Ratio Lower Upper

64 100

66 33.4 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006249.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 5.77 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006249.D

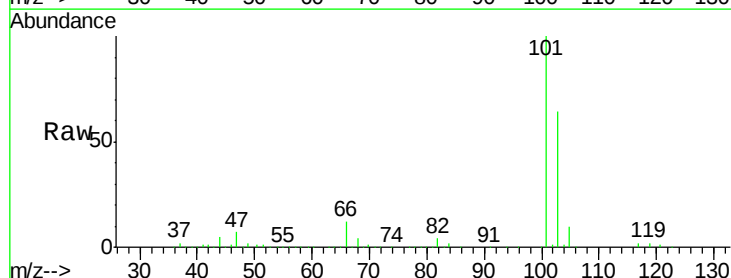
Acq: 12 Jun 2018 16:24

Tgt Ion: 101 Resp: 168669

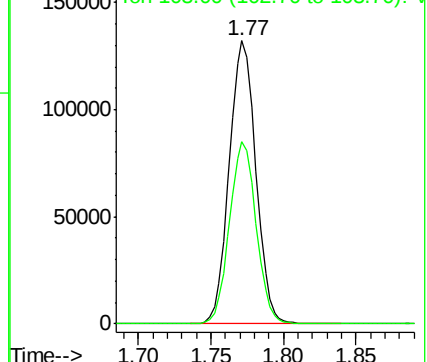
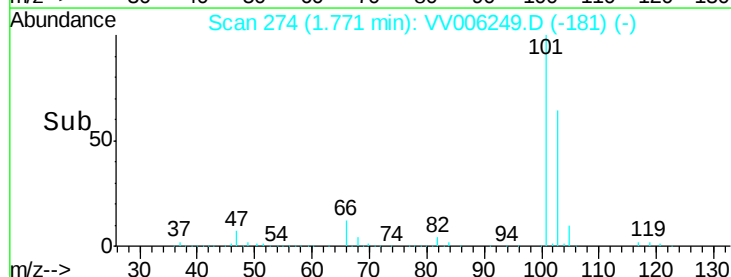
Ion Ratio Lower Upper

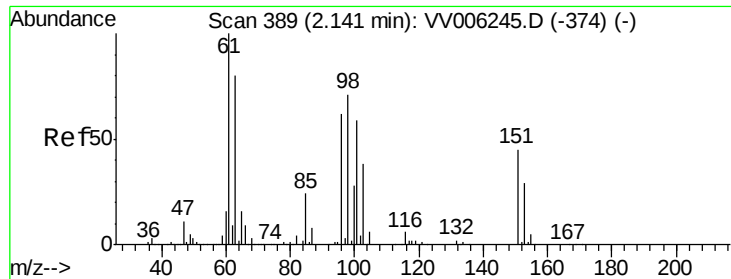
101 100

103 64.6 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006249.D (-181) (-)





#10

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

Concen: 5.82 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

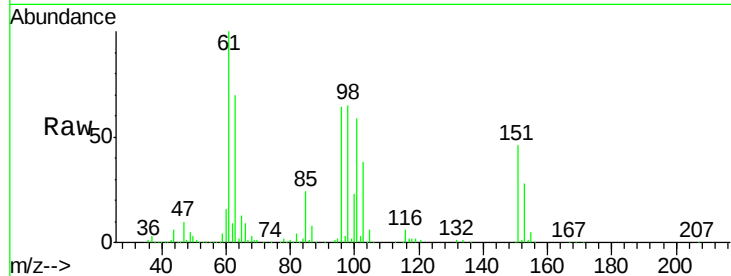
Tgt Ion: 101 Resp: 104995

Ion Ratio Lower Upper

101 100

85 41.6 32.6 49.0

151 77.9 60.9 91.3



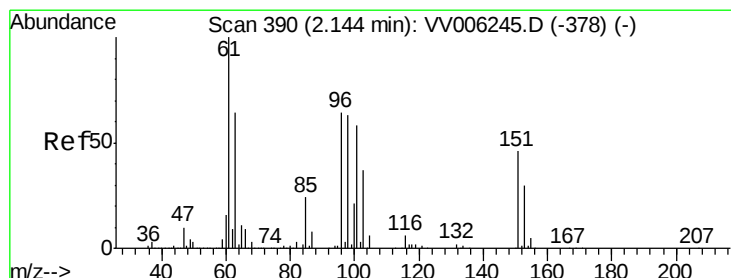
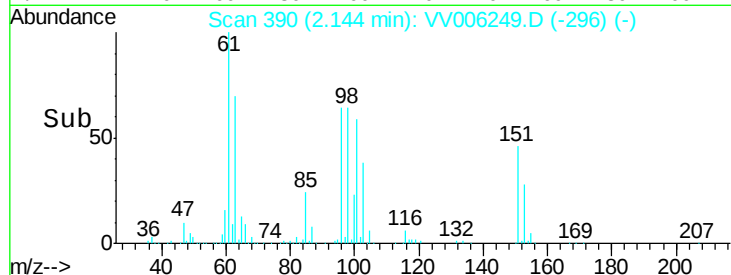
Abundance Ion 101.00 (100.70 to 101.70): VV006249.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006249.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006249.D (-296) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 5.81 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

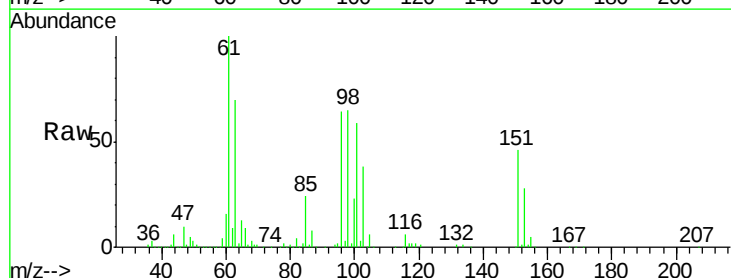
Tgt Ion: 96 Resp: 97308

Ion Ratio Lower Upper

96 100

61 157.0 114.2 212.2

63 110.4 85.0 157.8



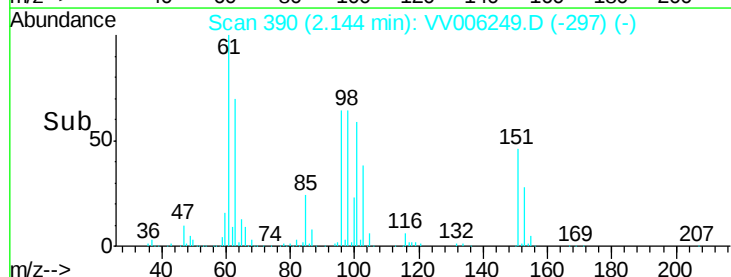
Abundance Ion 96.00 (95.70 to 96.70): VV006249.D (-297) (-)

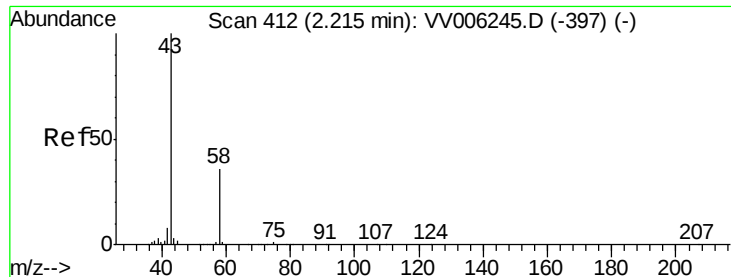
Ion 61.05 (60.75 to 61.75): VV006249.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006249.D (-297) (-)

2.14

Time-->





#13

Acetone

Concen: 72.45 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

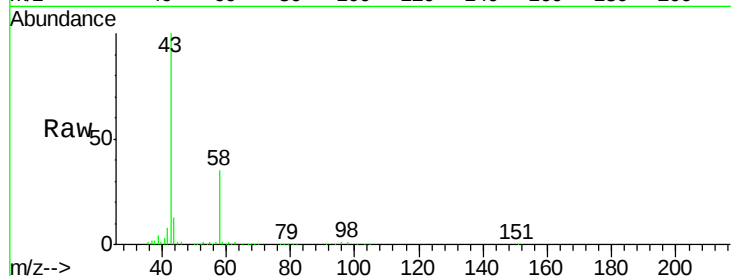
VSTD00562

Tgt Ion: 43 Resp: 132925

Ion Ratio Lower Upper

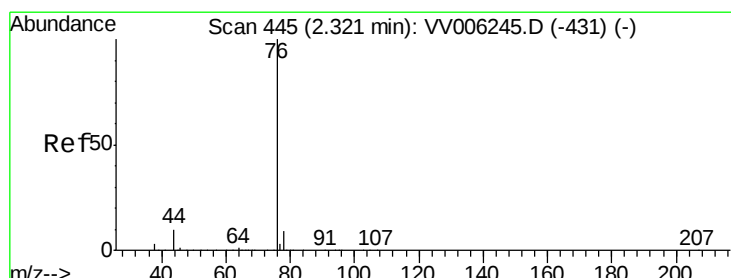
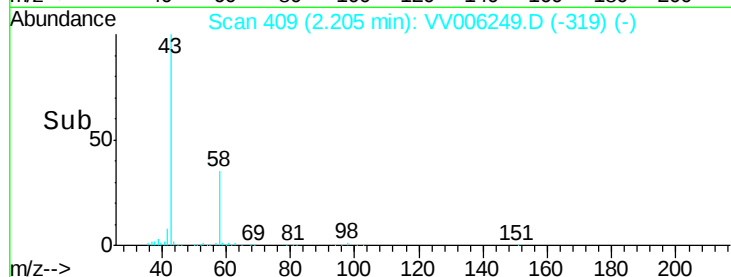
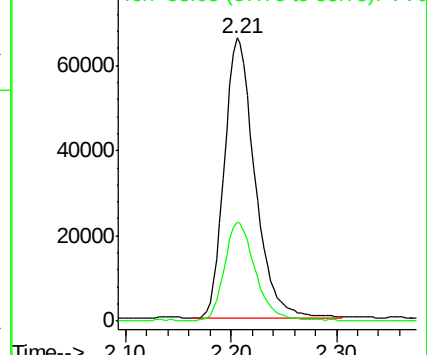
43 100

58 35.2 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.10 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006249.D

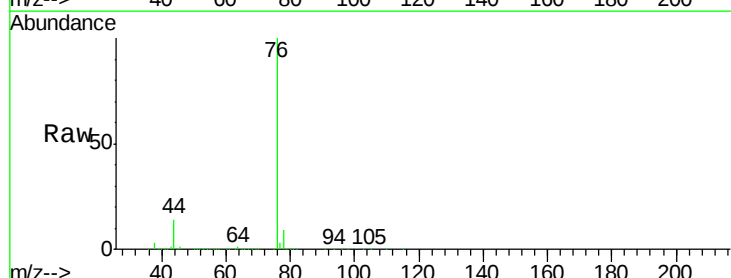
Acq: 12 Jun 2018 16:24

Tgt Ion: 76 Resp: 286205

Ion Ratio Lower Upper

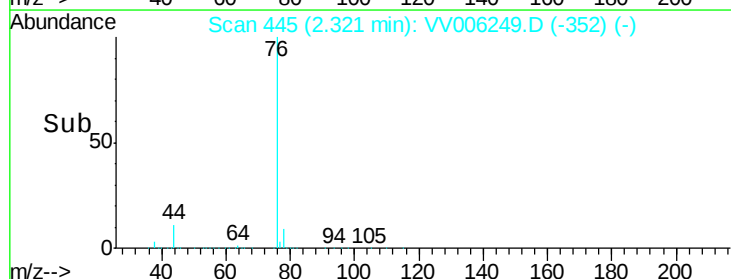
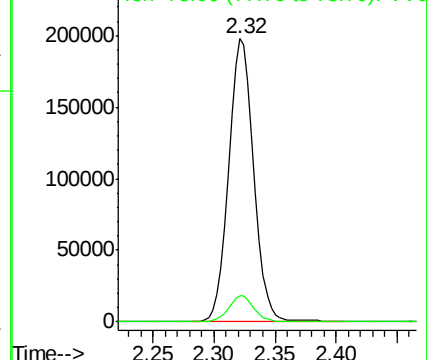
76 100

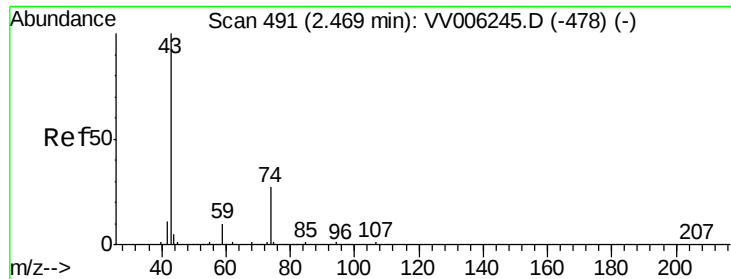
78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

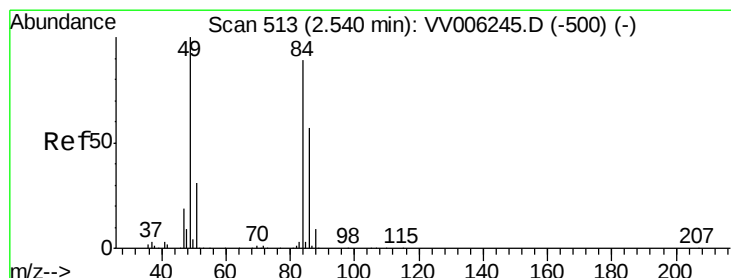
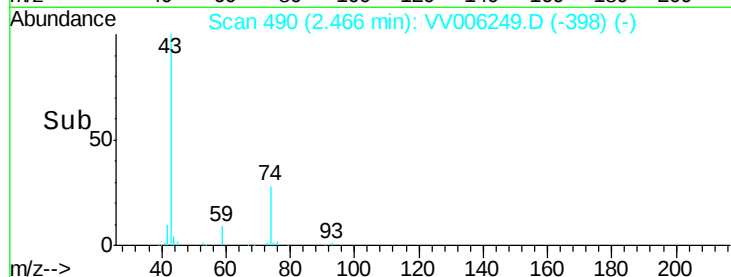
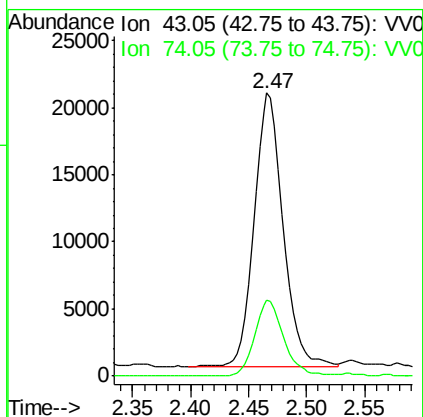
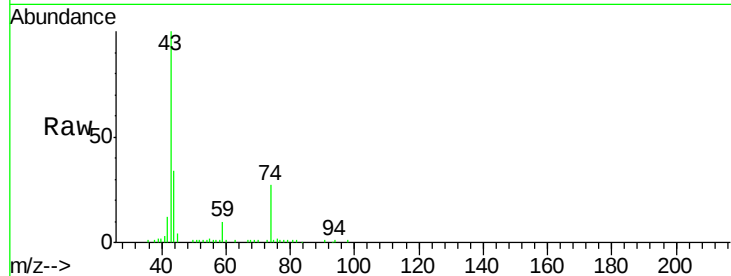




#15
Methyl Acetate
Concen: 6.58 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

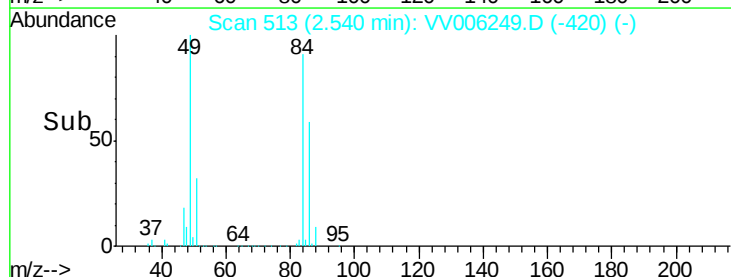
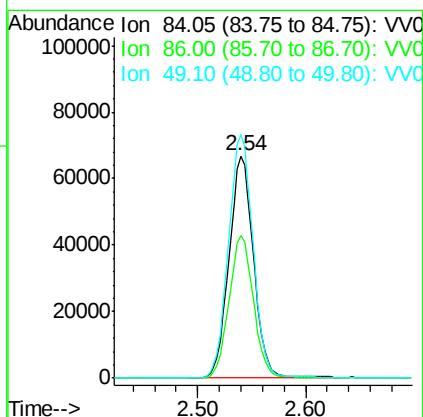
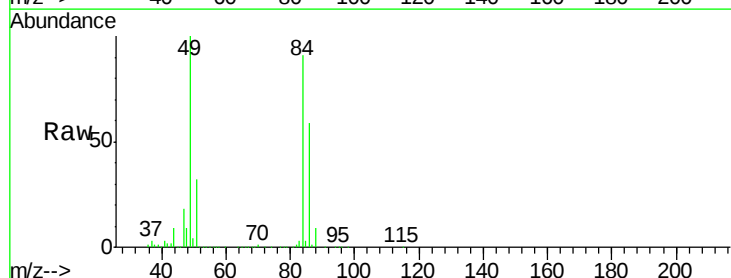
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

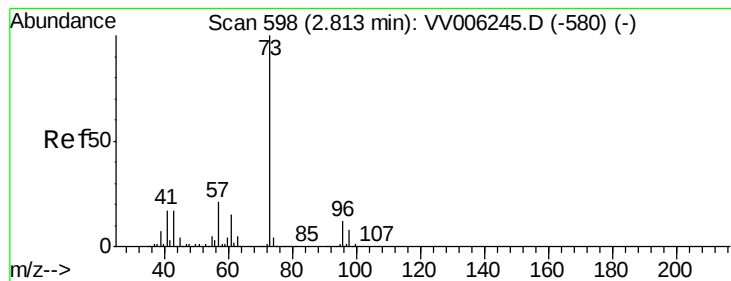
Tgt Ion: 43 Resp: 35911
Ion Ratio Lower Upper
43 100
74 27.5 23.4 35.0



#16
Methylene chloride
Concen: 5.75 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Tgt Ion: 84 Resp: 106367
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 109.7 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.78 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

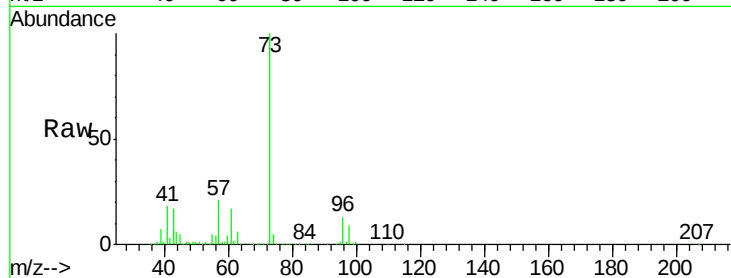
Tgt Ion: 73 Resp: 239661

Ion Ratio Lower Upper

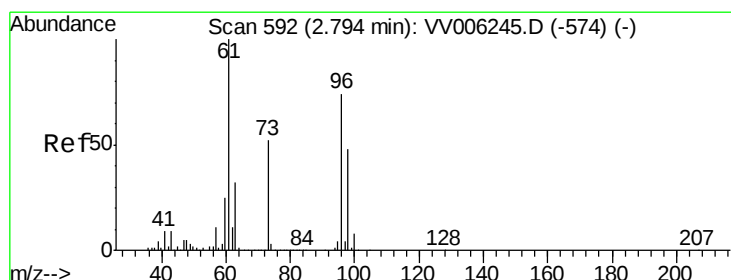
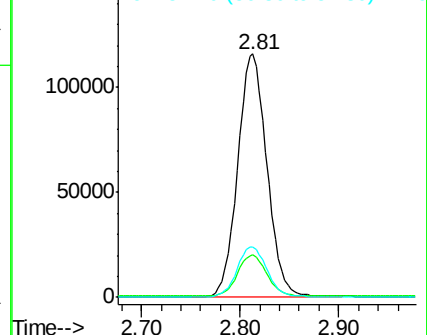
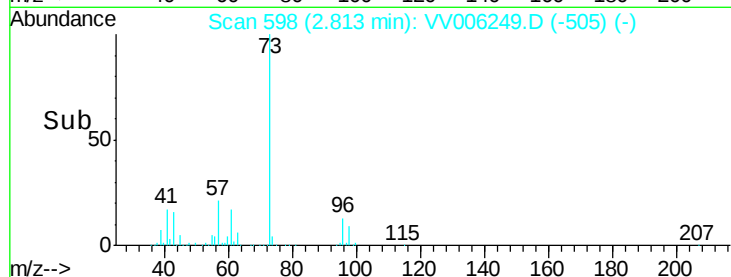
73 100

43 17.1 14.2 21.4

57 21.3 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006249.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.85 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

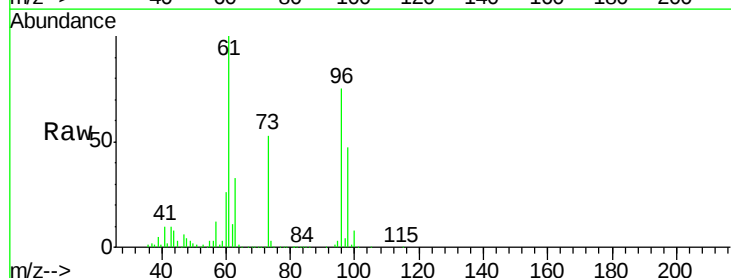
Tgt Ion: 96 Resp: 107007

Ion Ratio Lower Upper

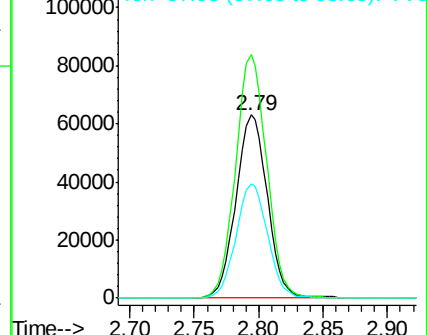
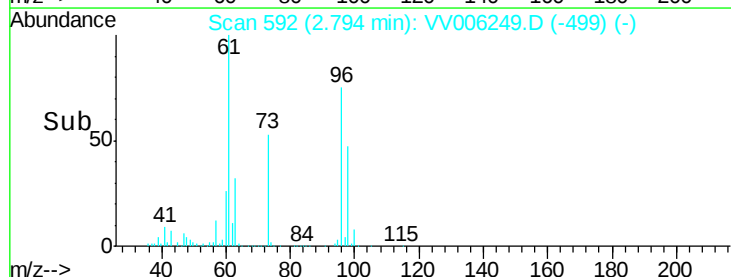
96 100

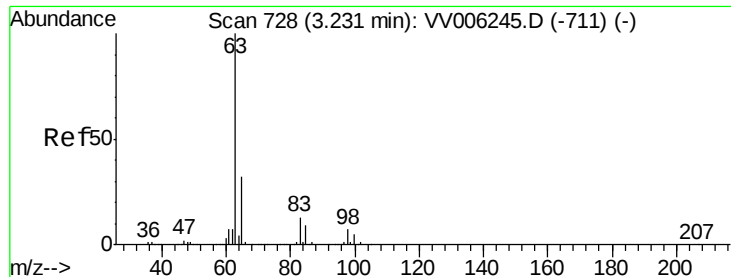
61 133.1 96.3 178.9

98 62.3 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV006249.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 5.64 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

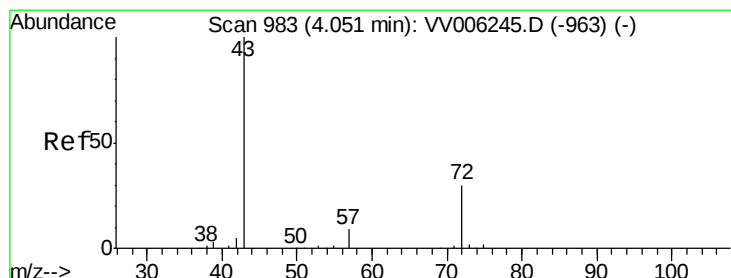
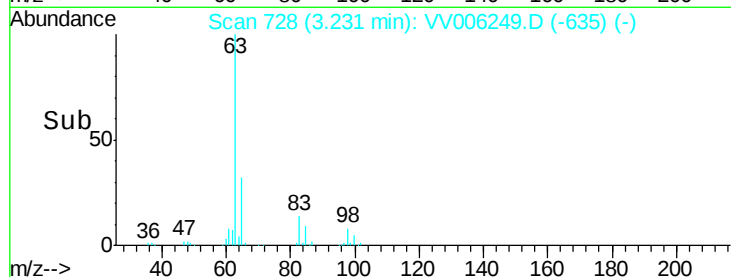
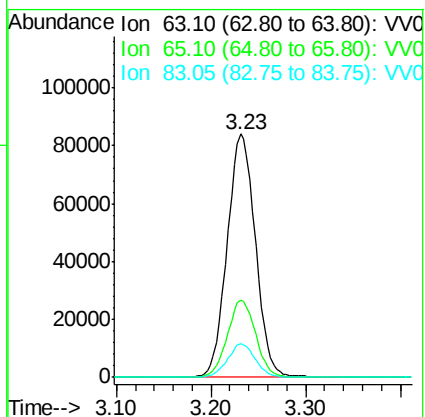
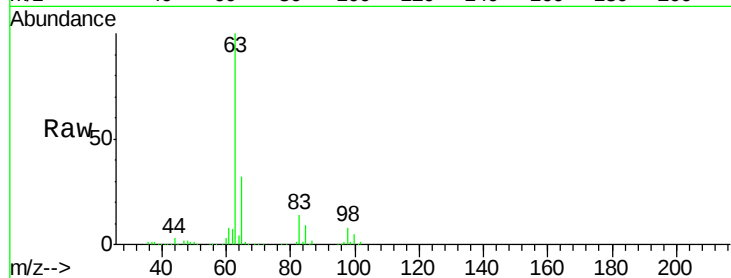
Tgt Ion: 63 Resp: 173469

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

83 13.7 10.0 18.6



#21

2-Butanone

Concen: 61.19 ug/L

RT: 4.04 min Scan# 980

Delta R.T. -0.01 min

Lab File: VV006249.D

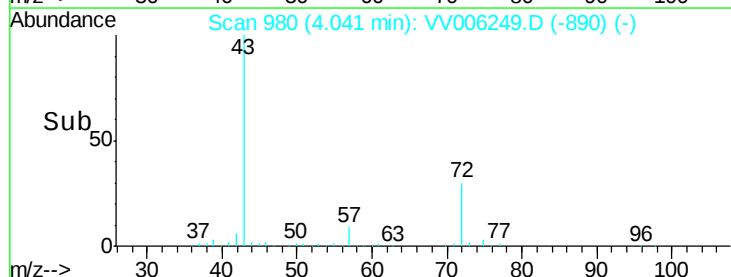
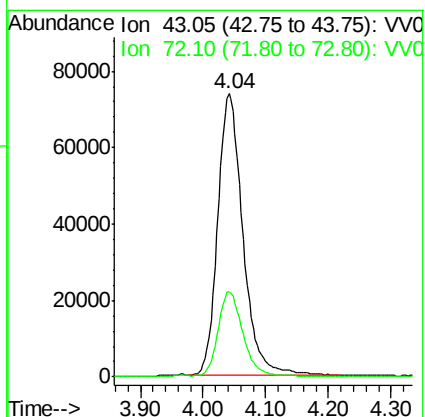
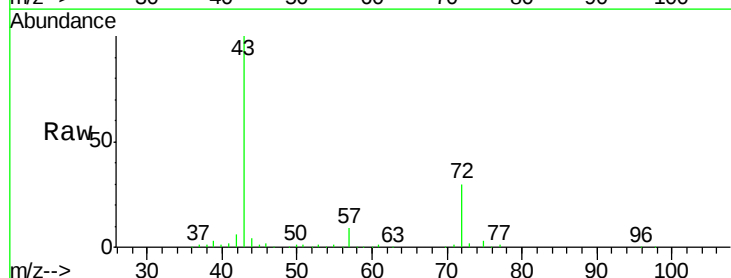
Acq: 12 Jun 2018 16:24

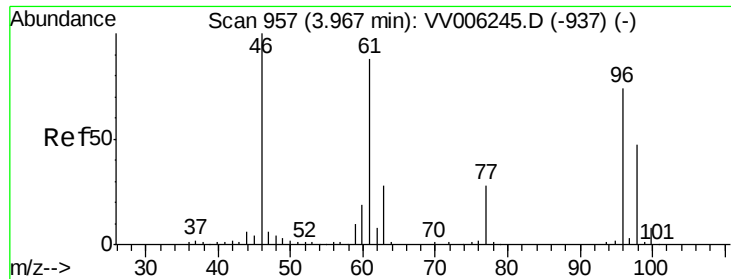
Tgt Ion: 43 Resp: 204258

Ion Ratio Lower Upper

43 100

72 29.4 13.8 41.3





#22

cis-1,2-Dichloroethene

Concen: 5.59 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

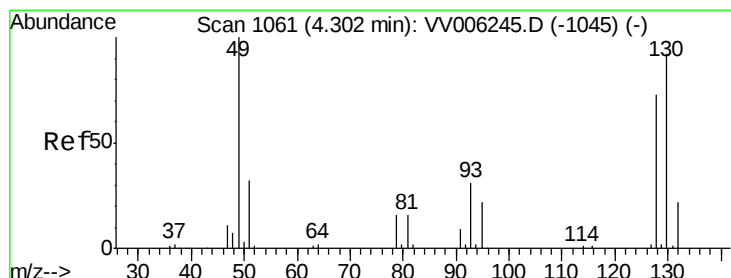
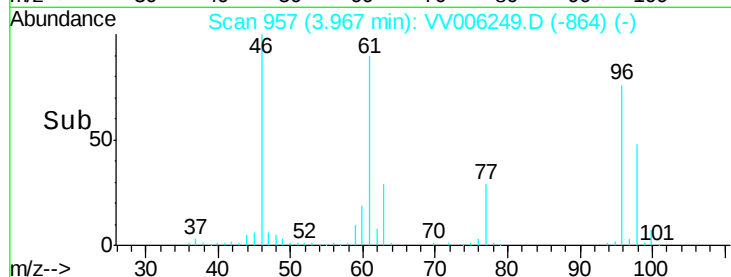
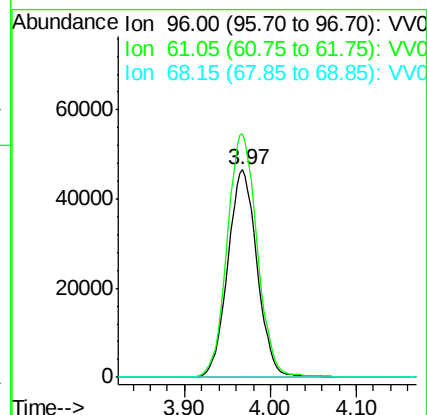
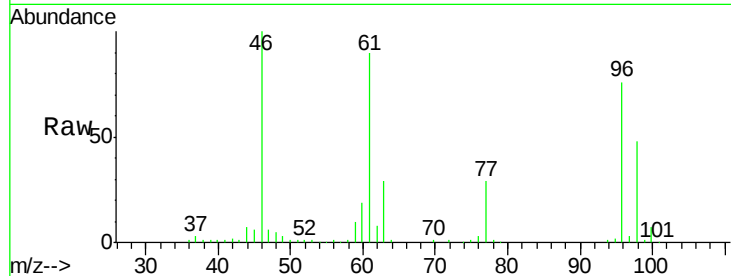
Tgt Ion: 96 Resp: 110499

Ion Ratio Lower Upper

96 100

61 117.2 84.1 156.3

68 0.0 0.3 0.5#



#23

Bromochloromethane

Concen: 5.56 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Tgt Ion: 128 Resp: 44107

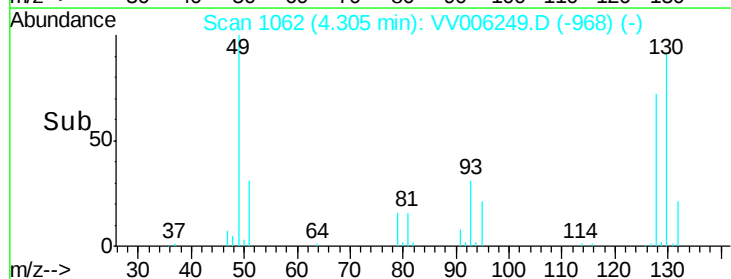
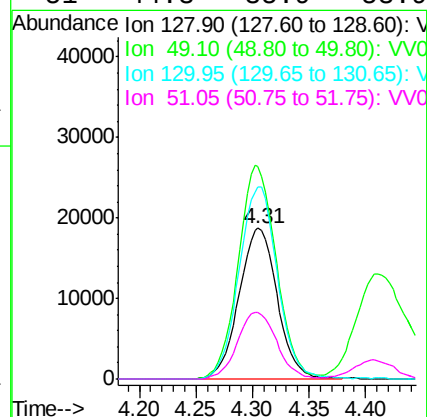
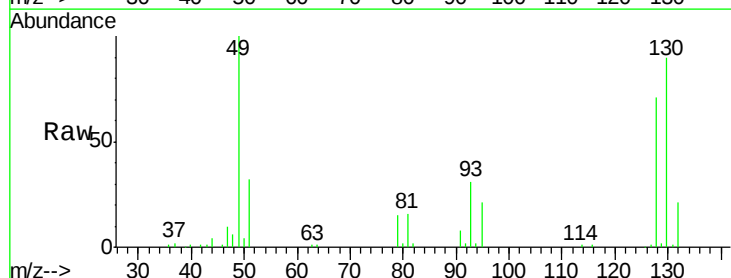
Ion Ratio Lower Upper

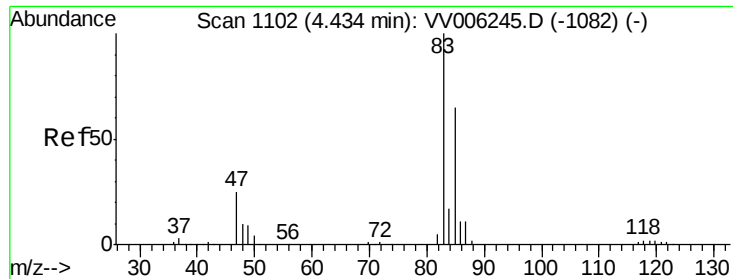
128 100

49 140.5 97.1 180.3

130 127.1 86.6 160.8

51 44.3 35.9 53.9

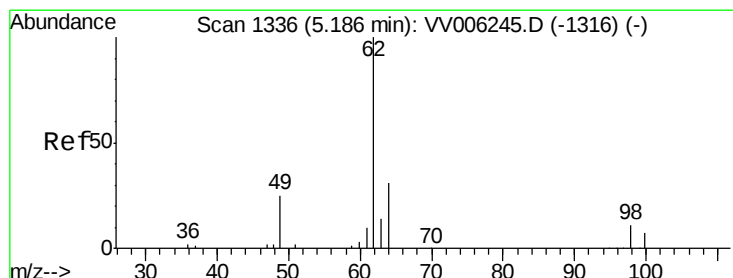
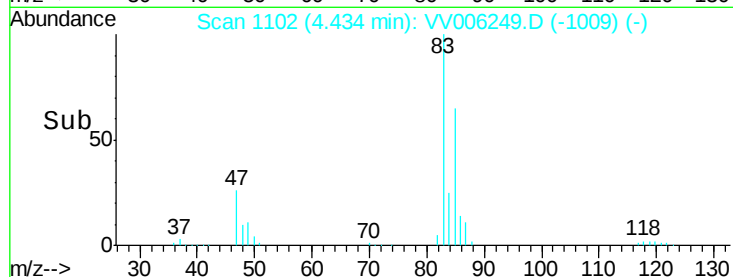
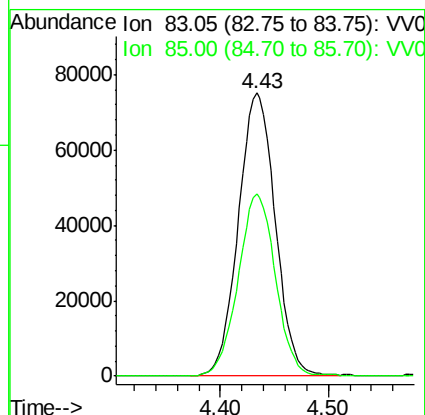
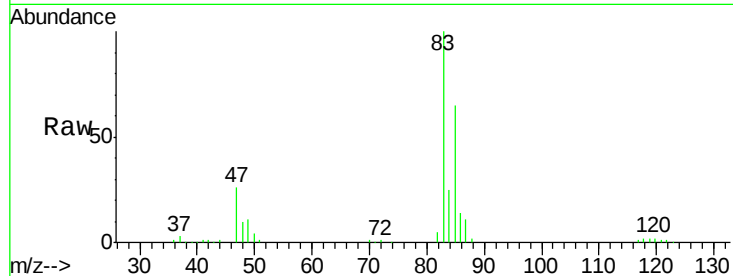




#25
Chloroform
Concen: 5.63 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

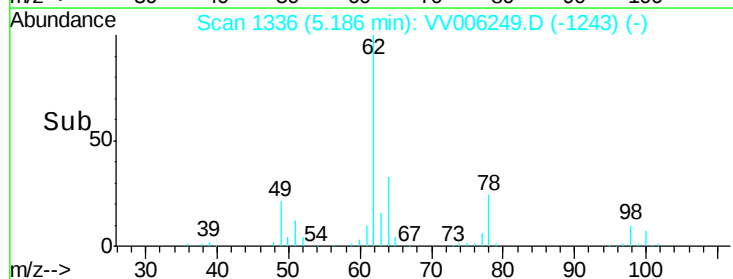
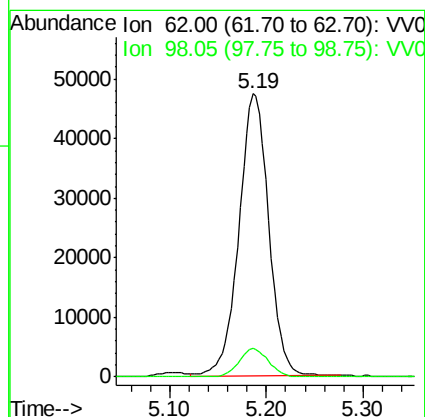
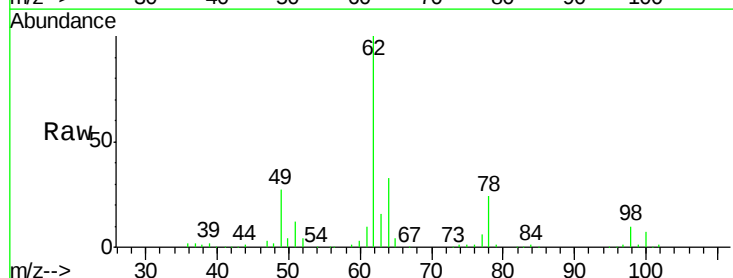
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

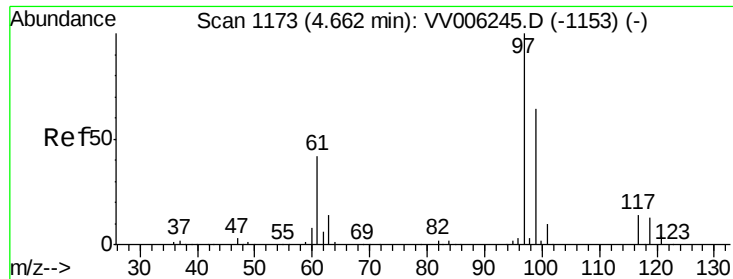
Tgt Ion: 83 Resp: 178924
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.57 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Tgt Ion: 62 Resp: 101506
Ion Ratio Lower Upper
62 100
98 10.1 8.6 12.8

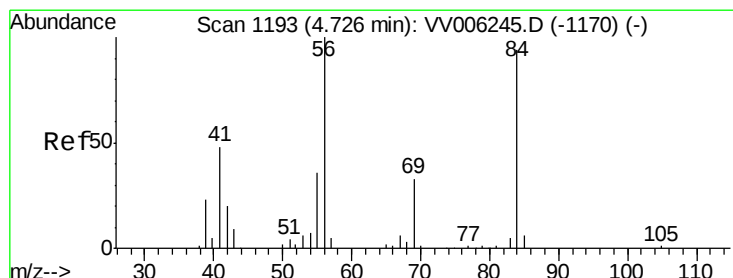
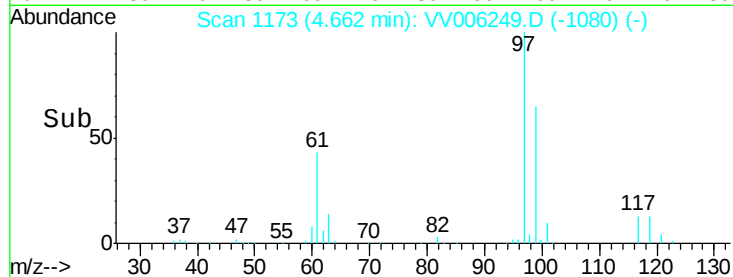
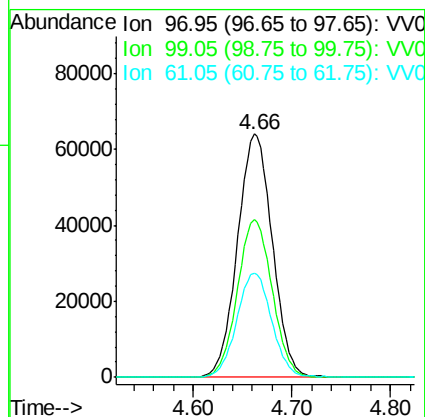
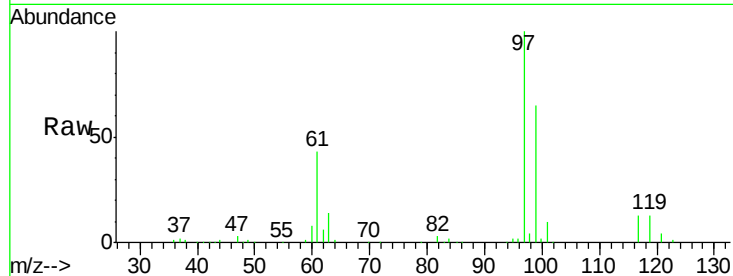




#29
 1,1,1-Trichloroethane
 Concen: 5.41 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

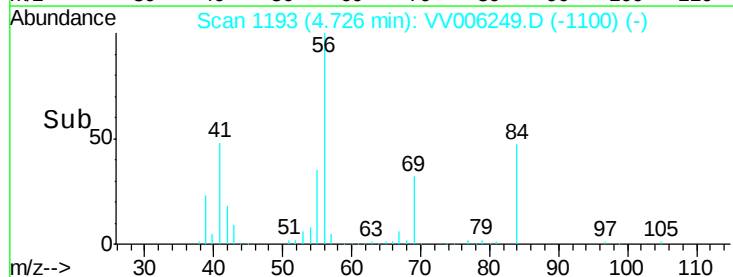
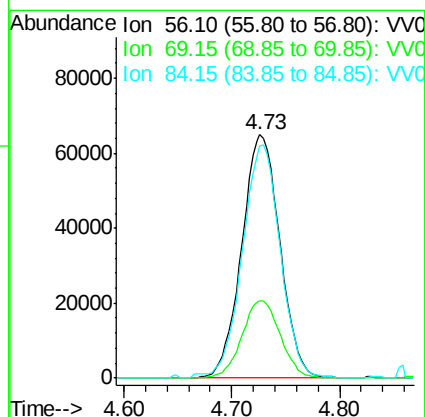
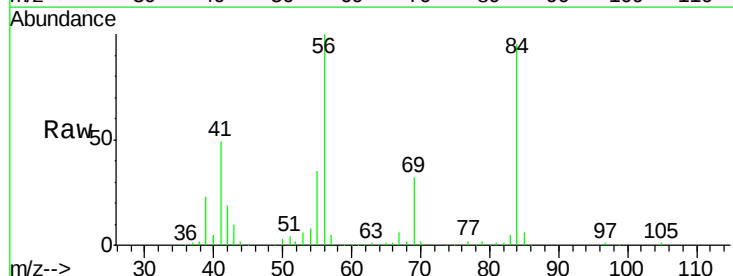
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

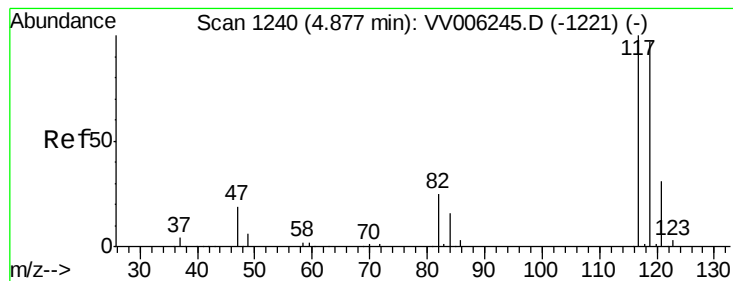
Tgt Ion: 97 Resp: 157280
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.5 77.3
 61 43.0 33.7 50.5



#30
 Cyclohexane
 Concen: 5.34 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Tgt Ion: 56 Resp: 159697
 Ion Ratio Lower Upper
 56 100
 69 31.9 26.4 39.6
 84 94.0 78.9 118.3





#31

Carbon tetrachloride

Concen: 5.34 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

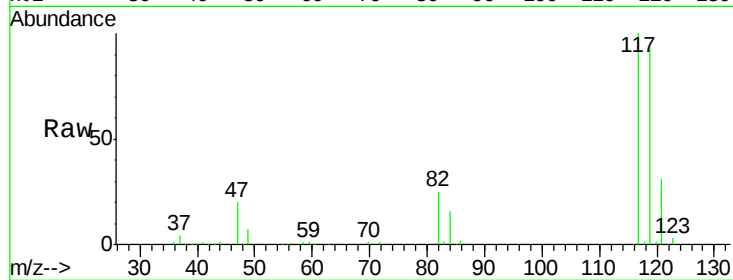
VSTD00562

Tgt Ion:117 Resp: 136804

Ion Ratio Lower Upper

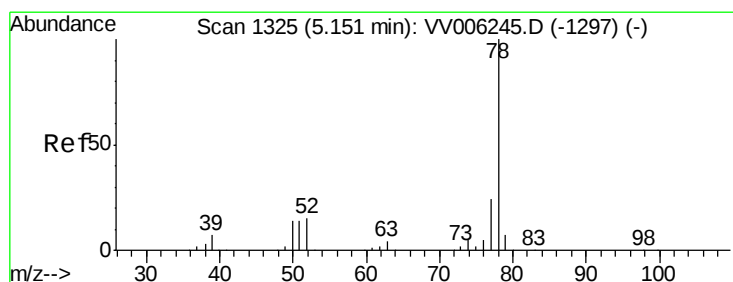
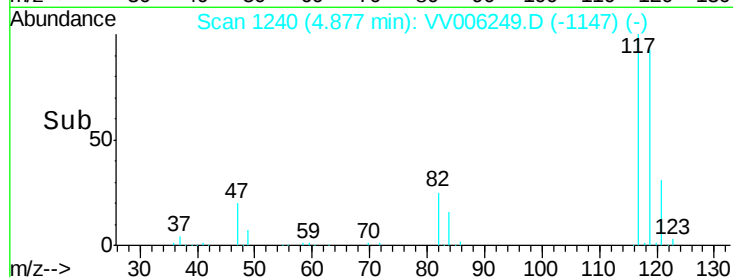
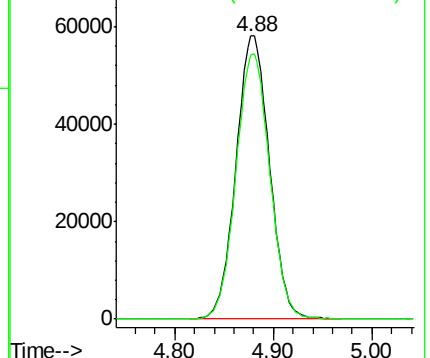
117 100

119 94.7 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.50 ug/L

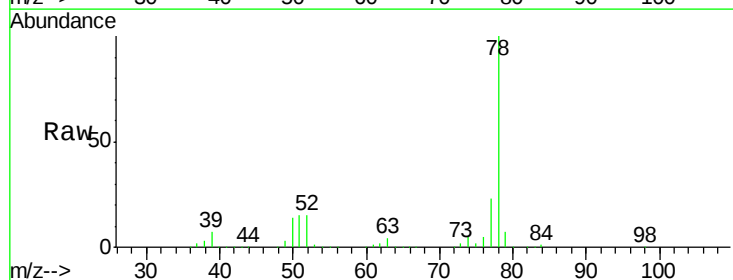
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

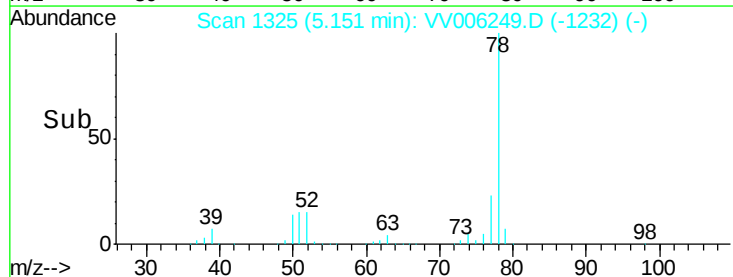
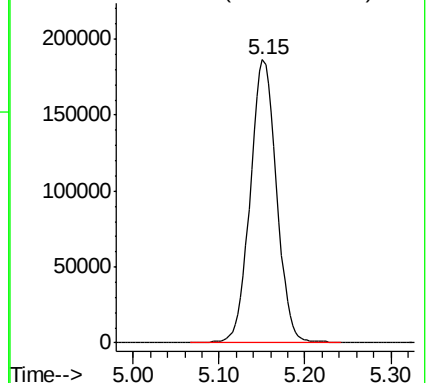
Lab File: VV006249.D

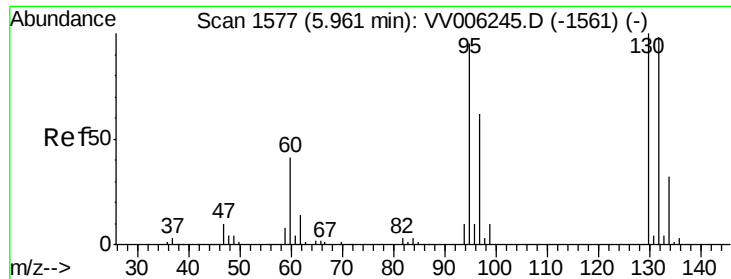
Acq: 12 Jun 2018 16:24

Tgt Ion: 78 Resp: 398647



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.49 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 95 Resp: 108583

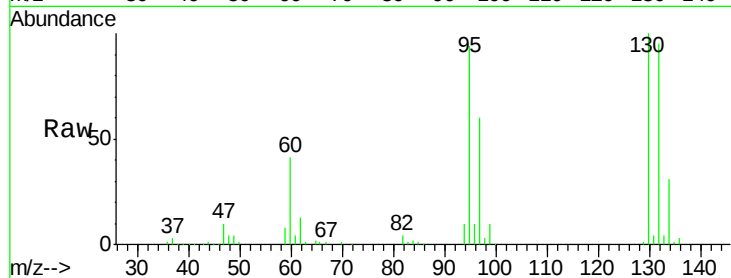
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 100.7 69.0 128.1

130 106.2 72.8 135.2

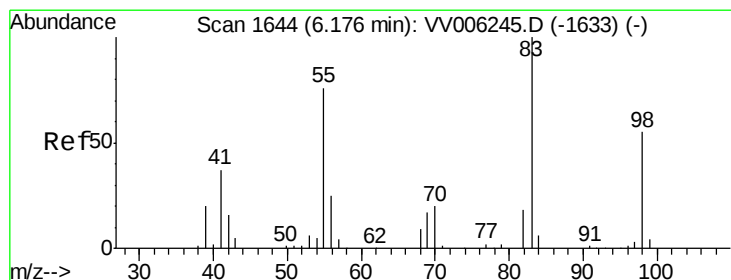
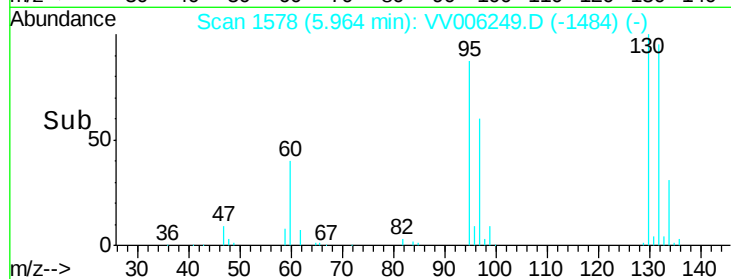
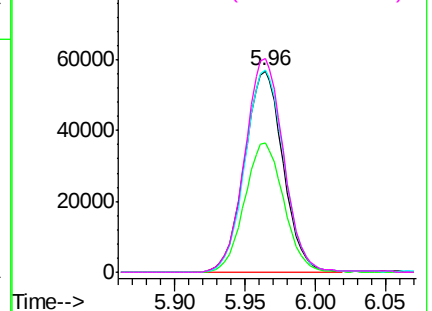


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.37 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

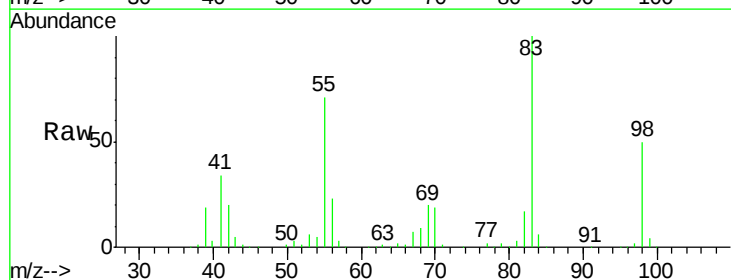
Tgt Ion: 83 Resp: 182759

Ion Ratio Lower Upper

83 100

55 71.5 57.5 86.3

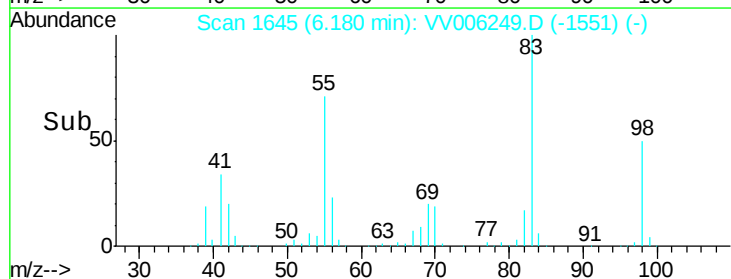
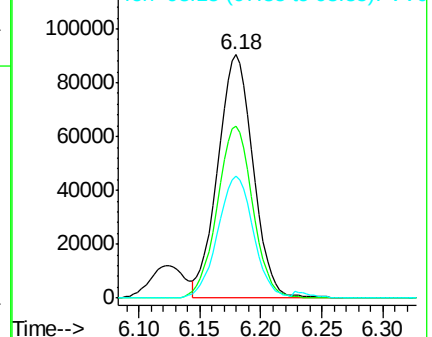
98 50.8 39.8 59.8

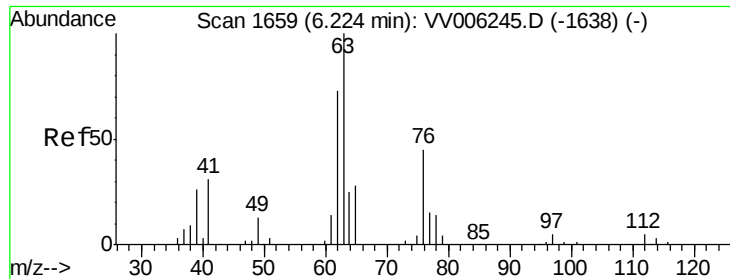


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

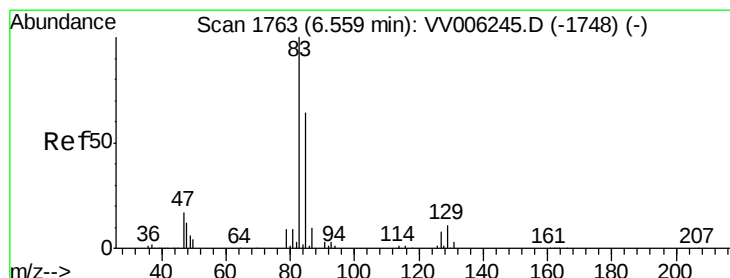
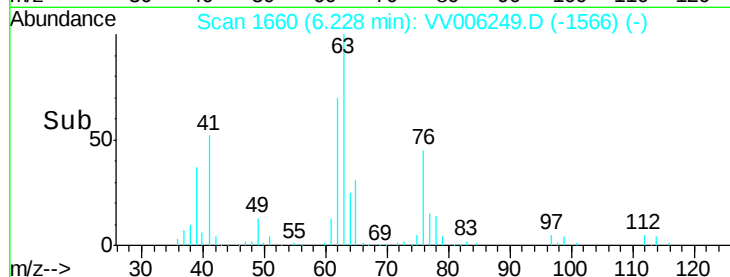
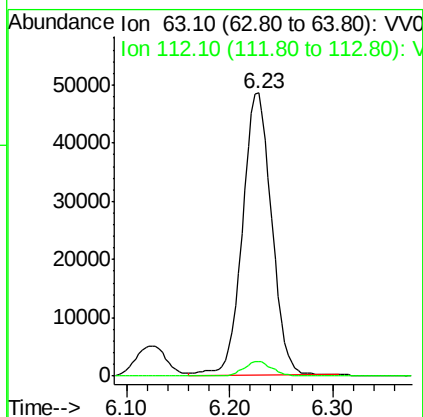
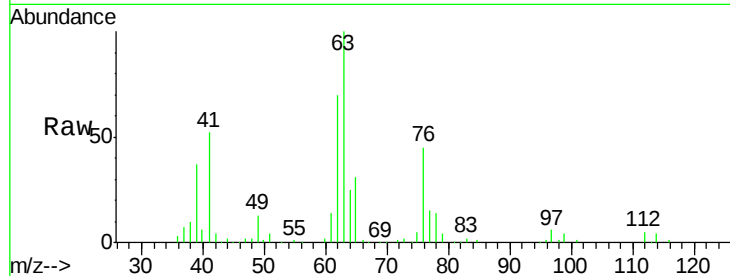




#37
 1,2-Dichloropropane
 Concen: 5.47 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

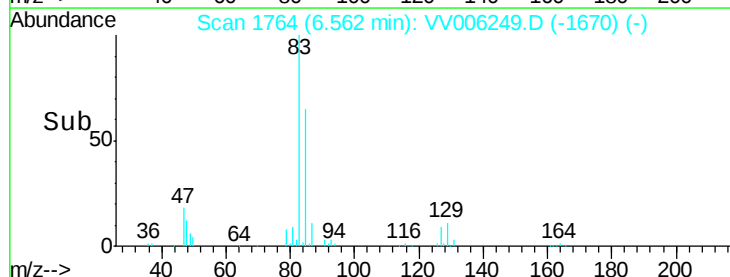
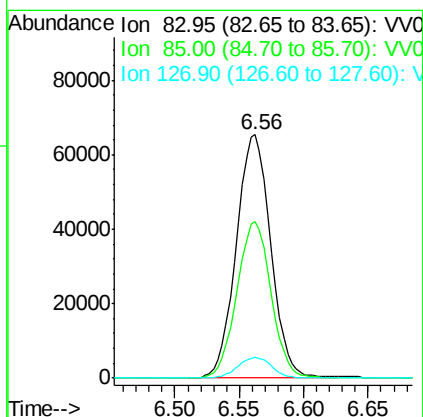
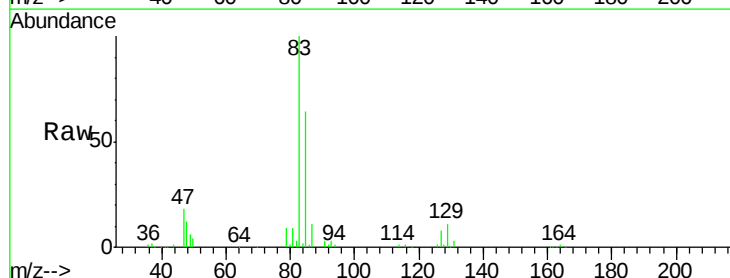
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00562

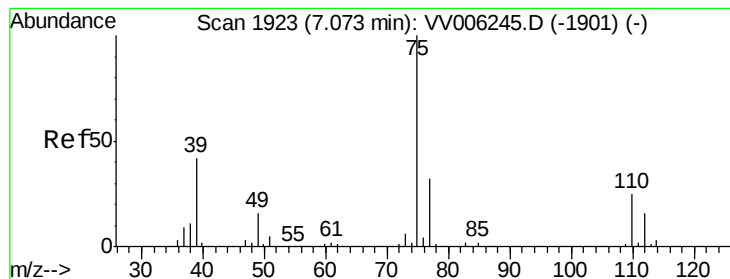
Tgt Ion: 63 Resp: 95107
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.26 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Tgt Ion: 83 Resp: 121686
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.9 83.5
 127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.27 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

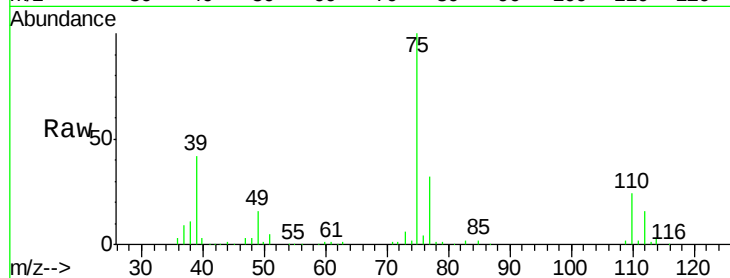
VSTD00562

Tgt Ion: 75 Resp: 149115

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.08

80000

60000

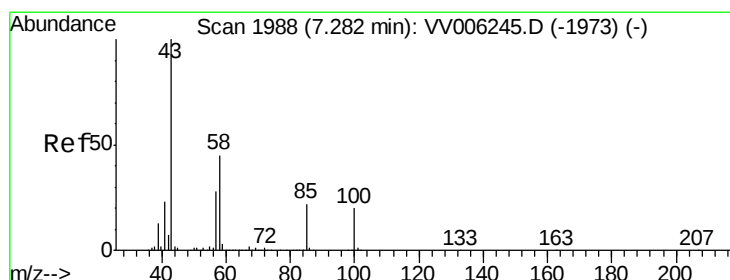
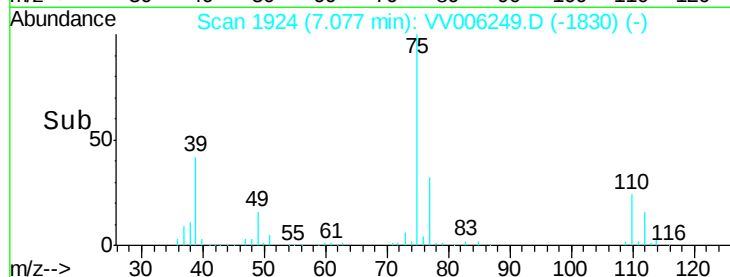
40000

20000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 55.26 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

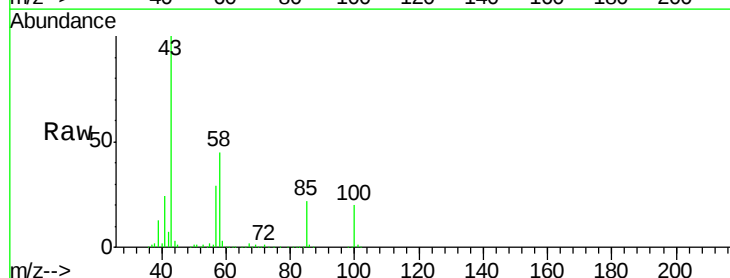
Tgt Ion: 43 Resp: 496613

Ion Ratio Lower Upper

43 100

58 43.9 36.0 54.0

100 19.8 15.4 23.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.28

300000

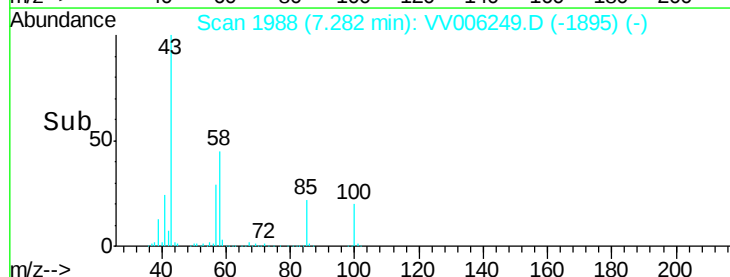
200000

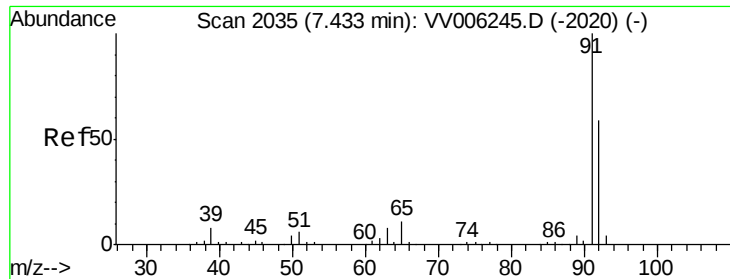
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.49 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

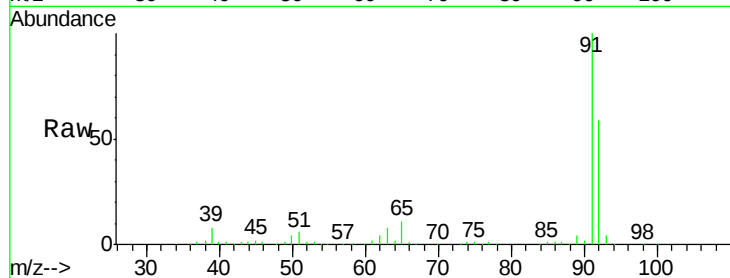
VSTD00562

Tgt Ion: 91 Resp: 439140

Ion Ratio Lower Upper

91 100

92 59.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

250000

200000

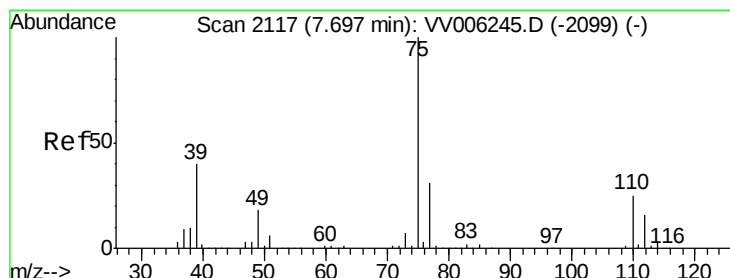
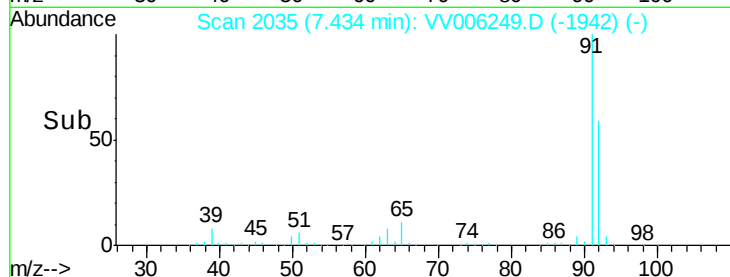
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.20 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV006249.D

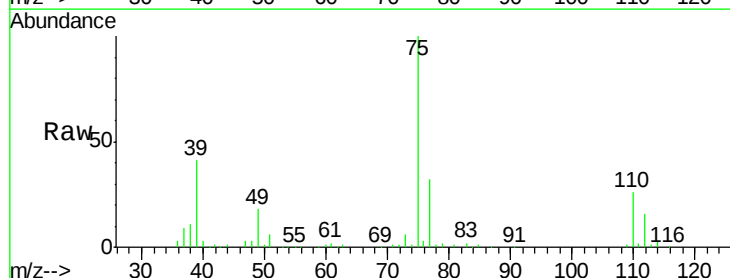
Acq: 12 Jun 2018 16:24

Tgt Ion: 75 Resp: 119444

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

80000

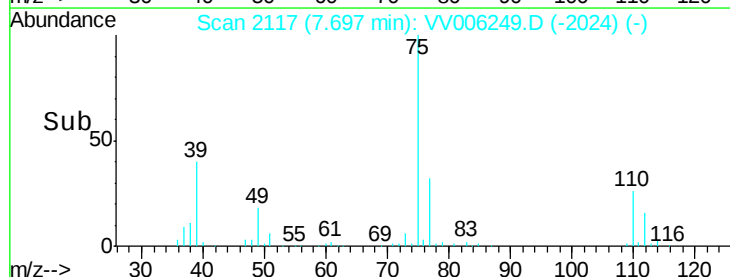
60000

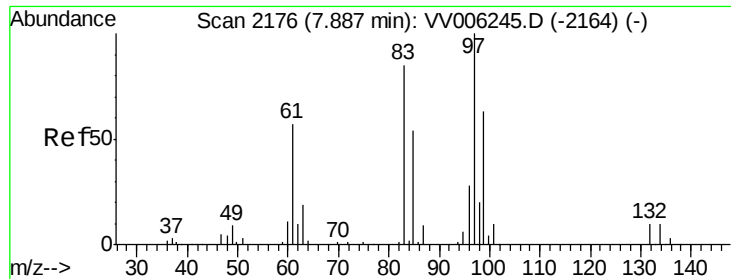
40000

20000

0

Time-->

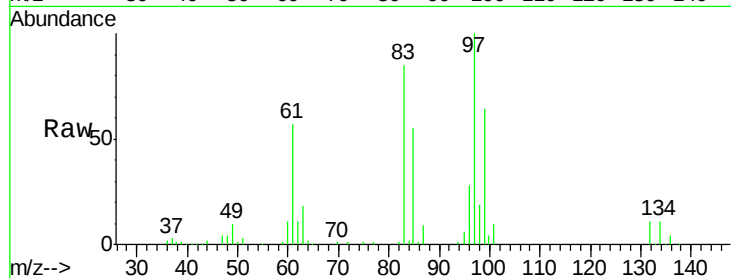




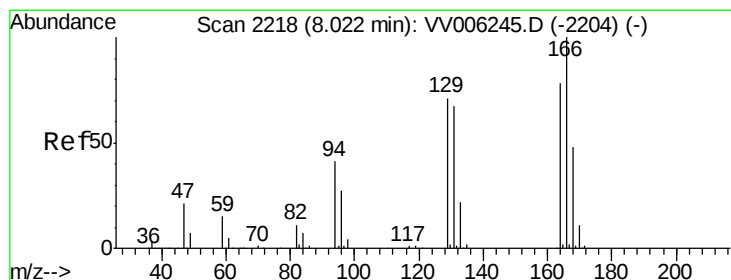
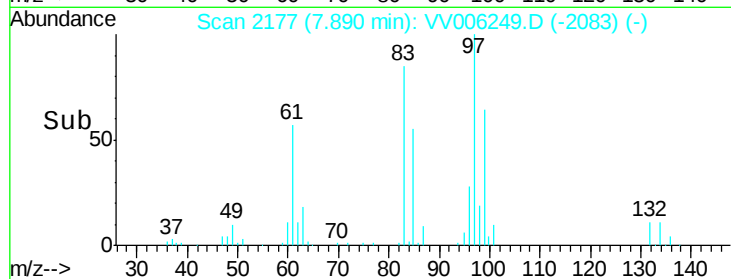
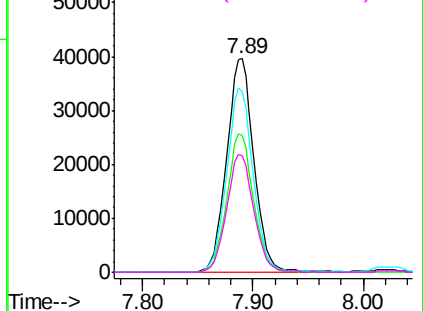
#45
 1,1,2-Trichloroethane
 Concen: 5.51 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion: 97 Resp: 67730
 Ion Ratio Lower Upper
 97 100
 99 64.2 43.8 81.3
 83 84.8 58.2 108.2
 85 54.8 39.3 73.1

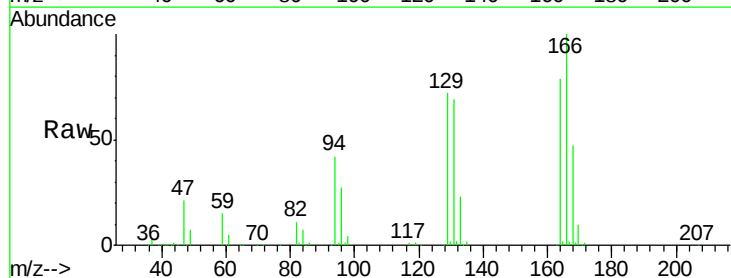


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

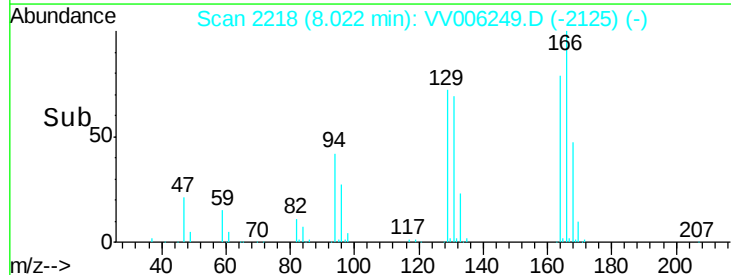
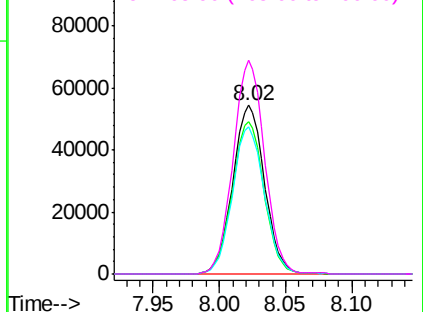


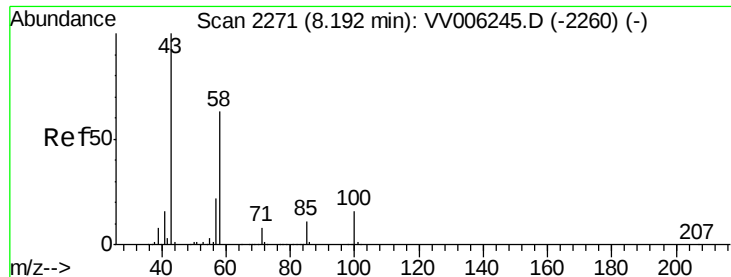
#47
 Tetrachloroethene
 Concen: 5.72 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Tgt Ion: 164 Resp: 90596
 Ion Ratio Lower Upper
 164 100
 129 90.8 62.7 116.5
 131 87.1 61.0 113.2
 166 126.8 89.5 166.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

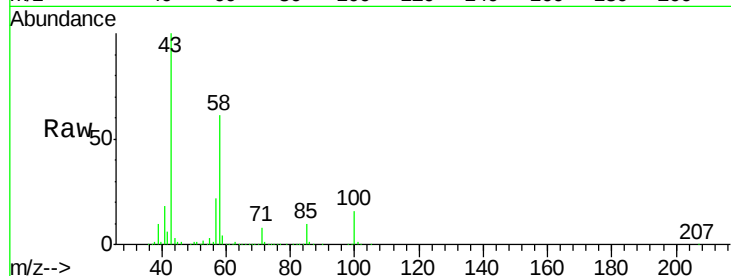




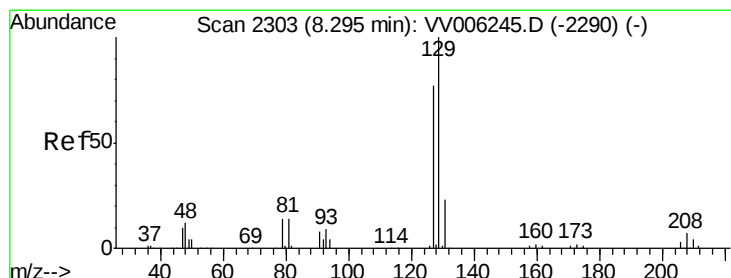
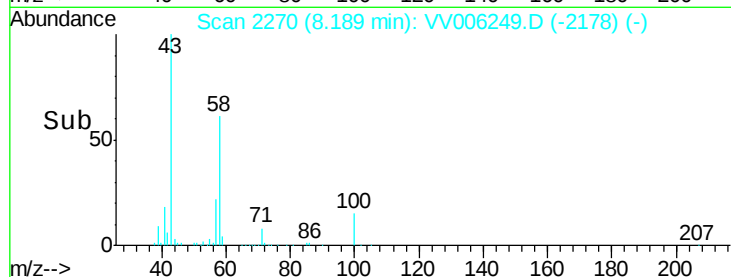
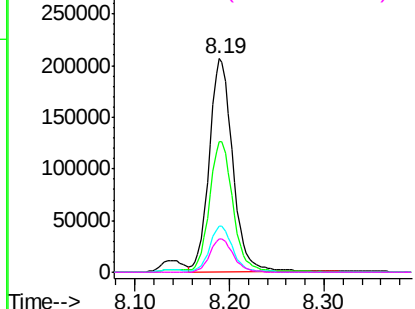
#48
2-Hexanone
Concen: 56.28 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion: 43 Resp: 355435
Ion Ratio Lower Upper
43 100
58 61.4 48.6 72.8
57 21.2 17.5 26.3
100 15.8 12.6 18.8

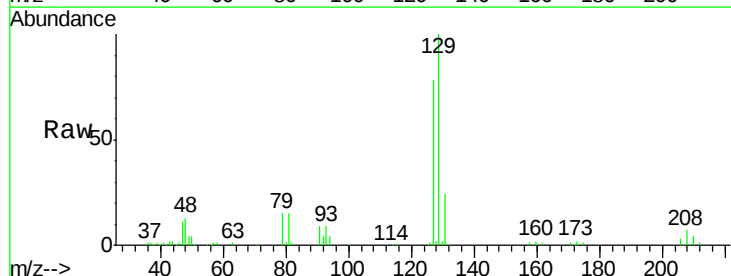


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

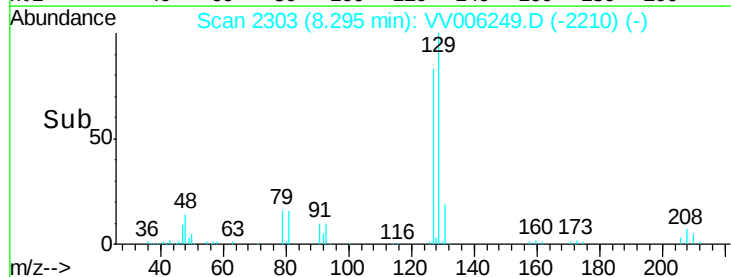
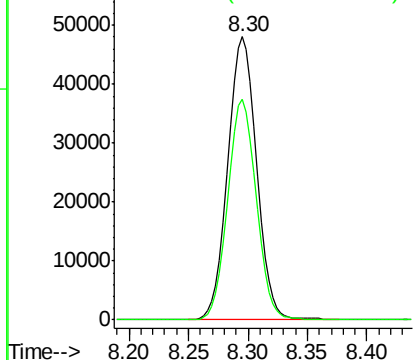


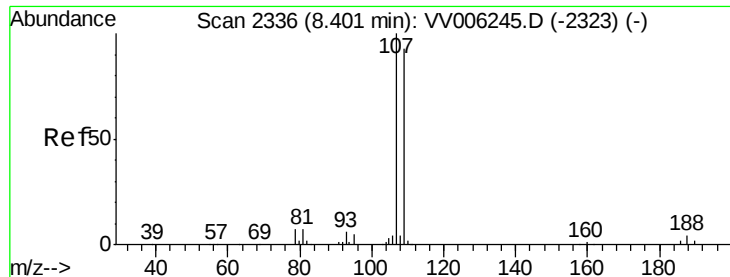
#49
Dibromochloromethane
Concen: 5.22 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Tgt Ion: 129 Resp: 80867
Ion Ratio Lower Upper
129 100
127 77.8 55.2 102.4



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

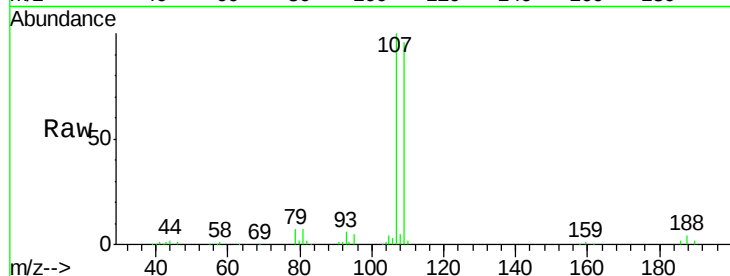




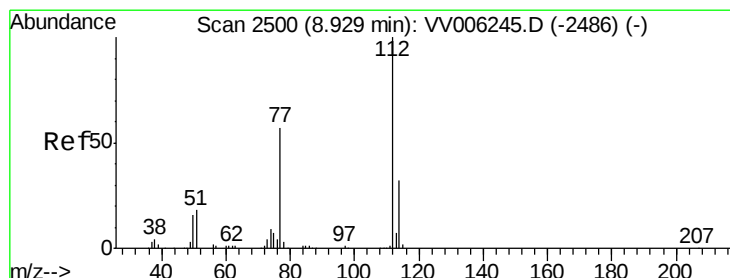
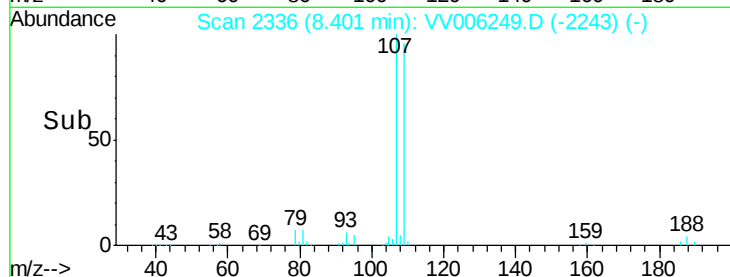
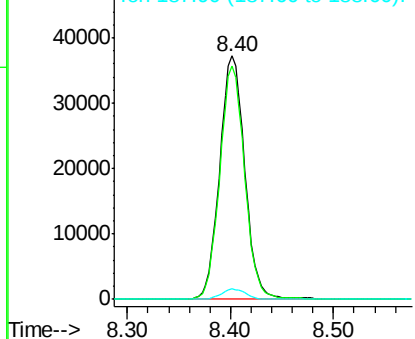
#50
1,2-Dibromoethane
Concen: 5.52 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 63211
Ion Ratio Lower Upper
107 100
109 95.7 66.8 124.2
188 4.2 3.4 5.0

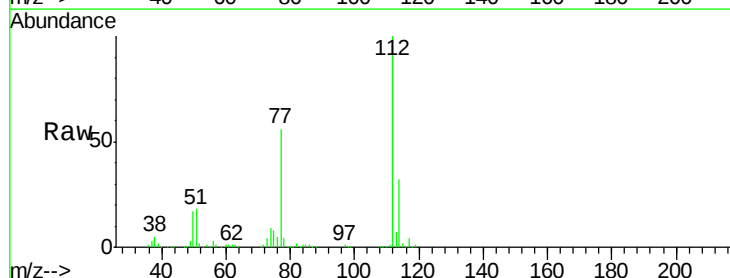


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

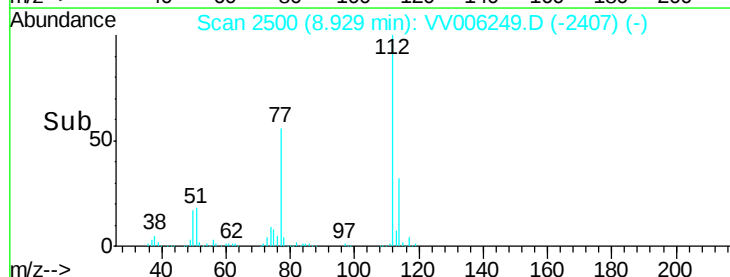
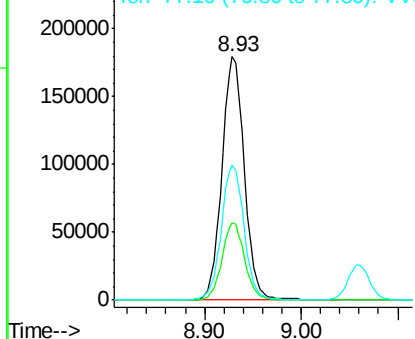


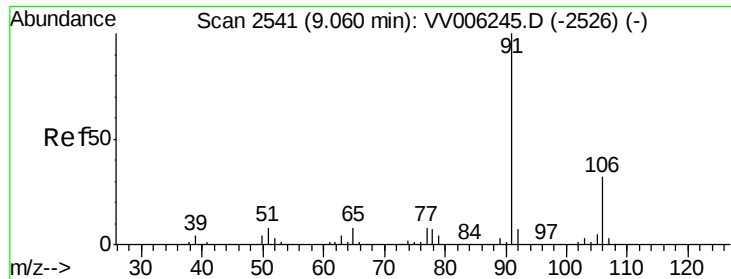
#51
Chlorobenzene
Concen: 5.62 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Tgt Ion:112 Resp: 288996
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 55.5 45.2 67.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.50 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

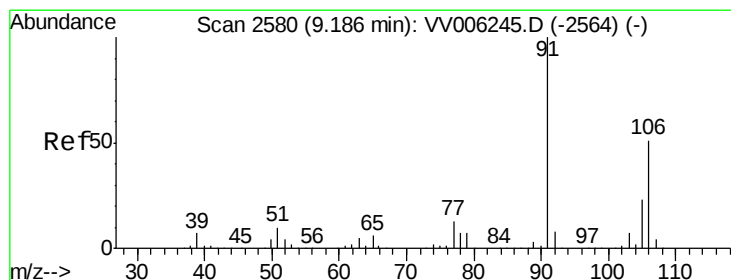
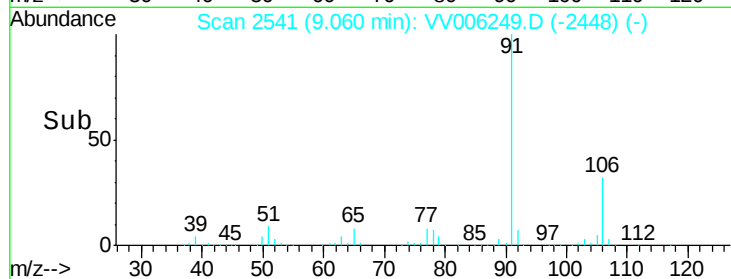
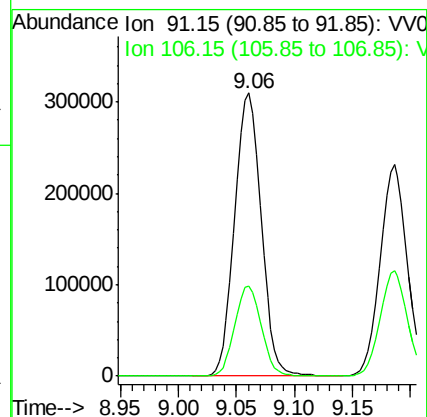
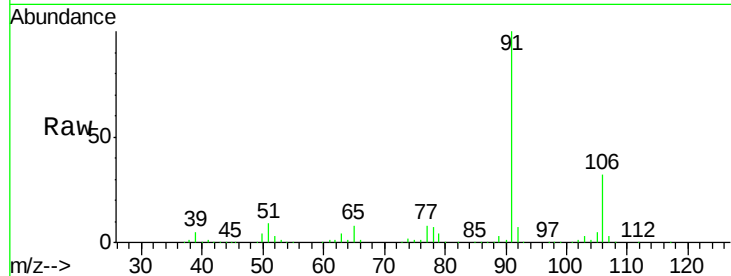
VSTD00562

Tgt Ion: 91 Resp: 490290

Ion Ratio Lower Upper

91 100

106 32.0 21.9 40.7



#53

m,p-xylene

Concen: 5.49 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006249.D

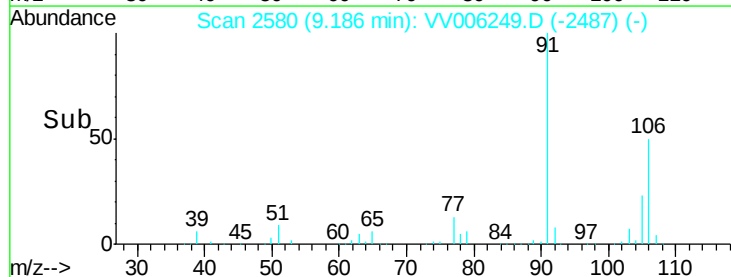
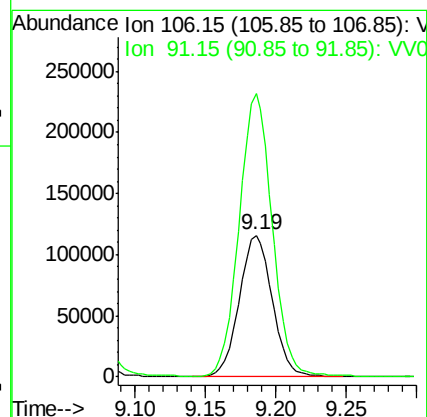
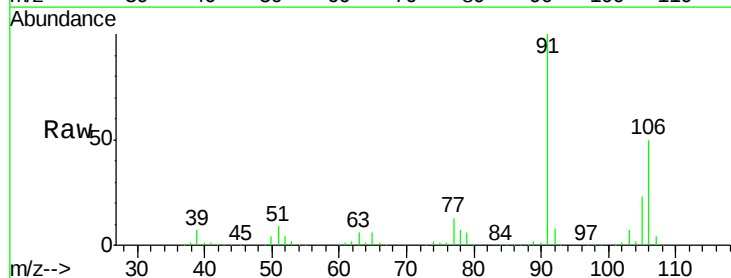
Acq: 12 Jun 2018 16:24

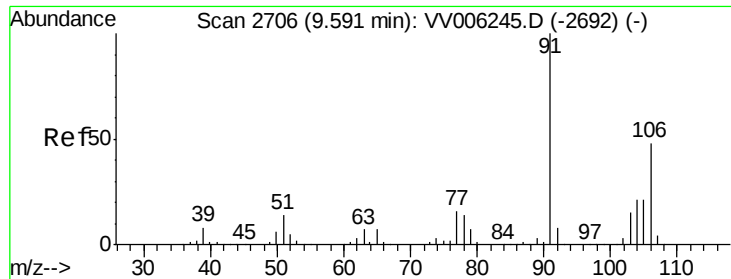
Tgt Ion: 106 Resp: 191028

Ion Ratio Lower Upper

106 100

91 200.2 139.7 259.4

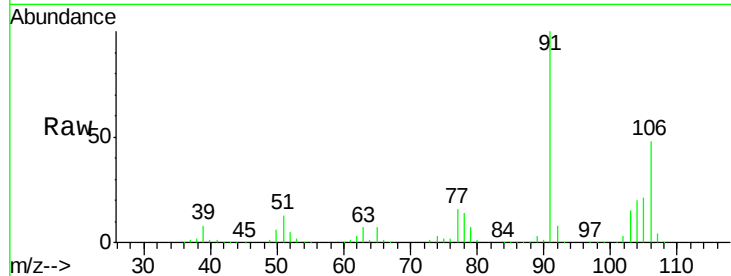




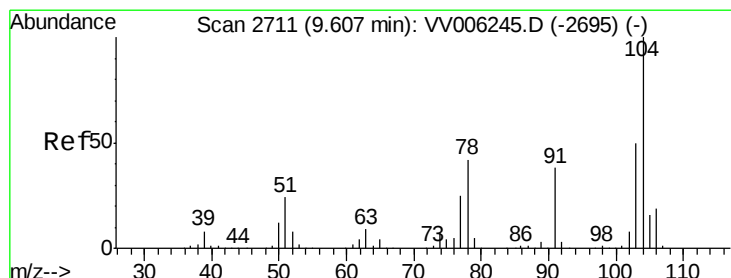
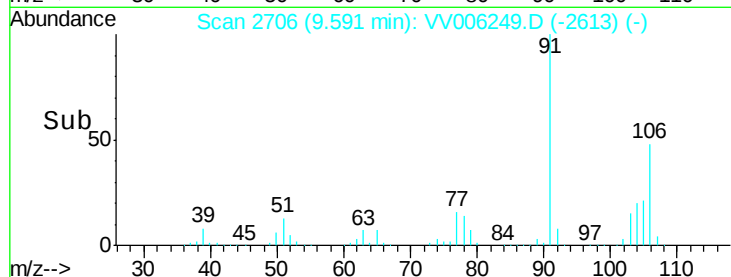
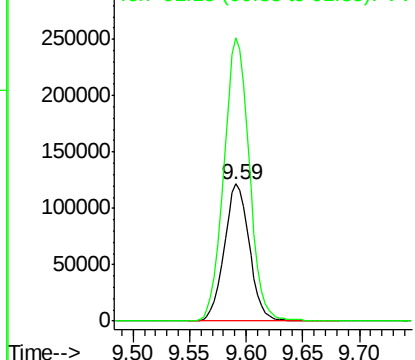
#54
o-xylene
Concen: 5.55 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:106 Resp: 188843
Ion Ratio Lower Upper
106 100
91 206.4 147.9 274.7

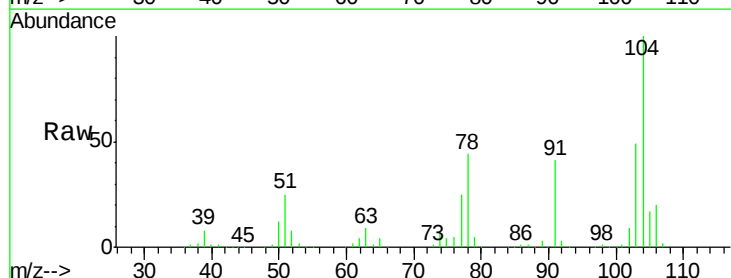


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

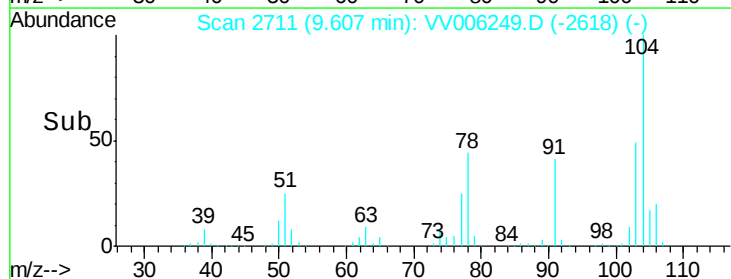
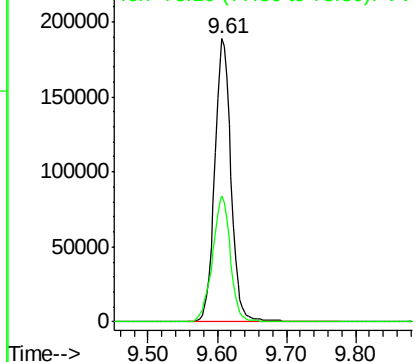


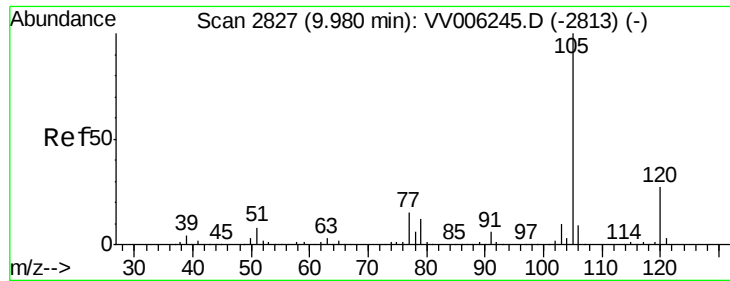
#55
Styrene
Concen: 5.49 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV006249.D
Acq: 12 Jun 2018 16:24

Tgt Ion:104 Resp: 307476
Ion Ratio Lower Upper
104 100
78 44.4 30.6 56.8



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





#56

Isopropylbenzene

Concen: 5.58 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

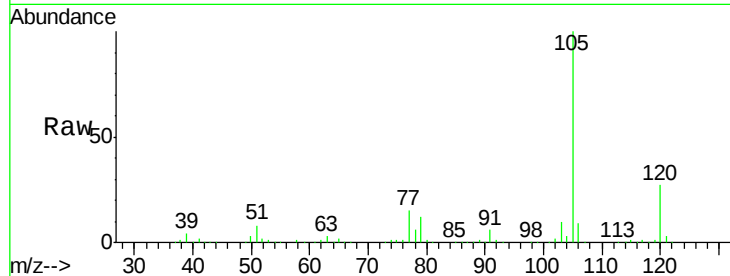
Tgt Ion: 105 Resp: 500426

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

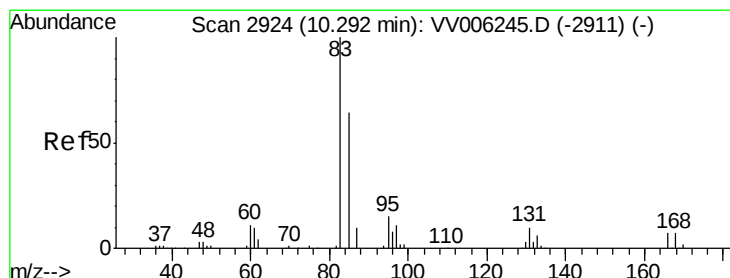
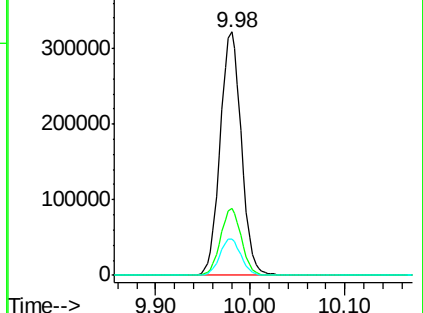
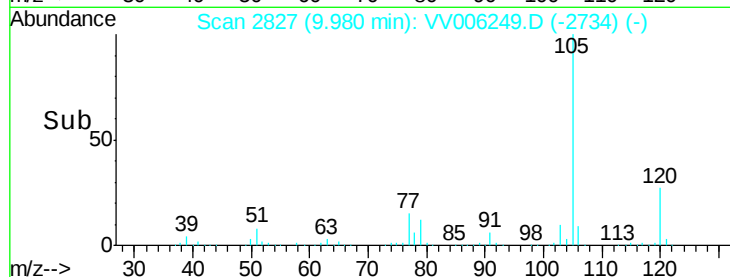
77 15.0 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.12 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

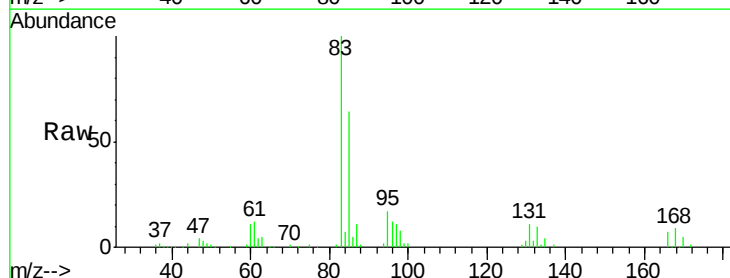
Tgt Ion: 83 Resp: 72163

Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

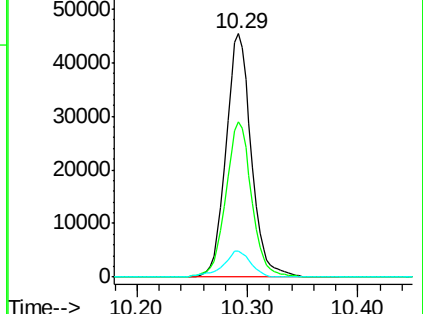
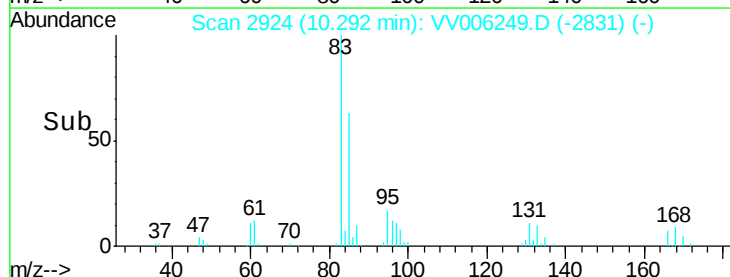
131 10.5 8.3 12.5

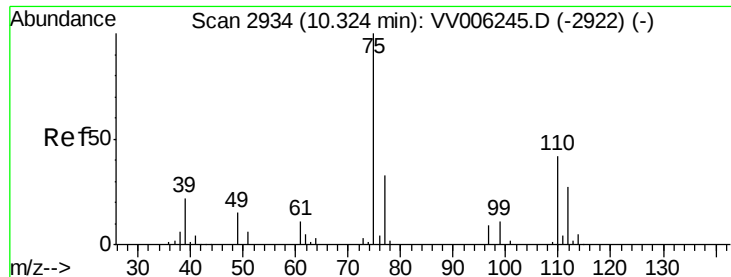


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

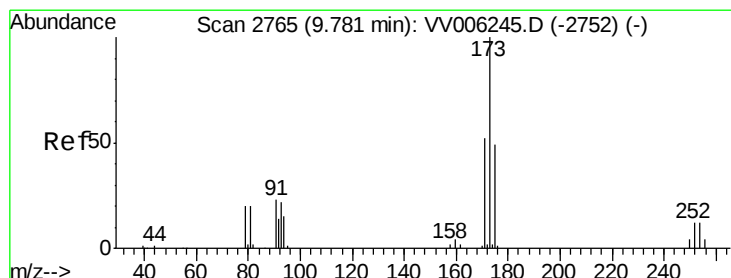
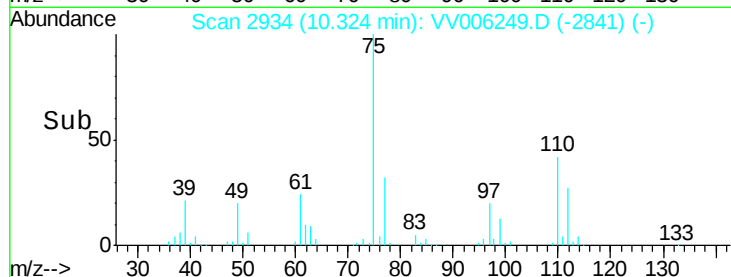
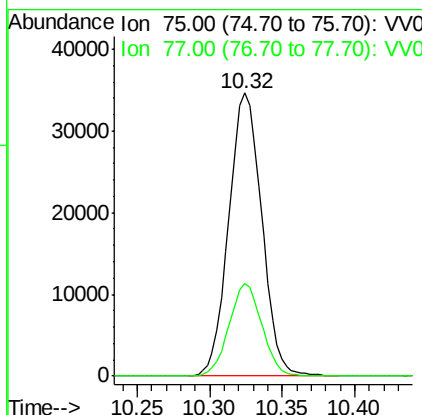
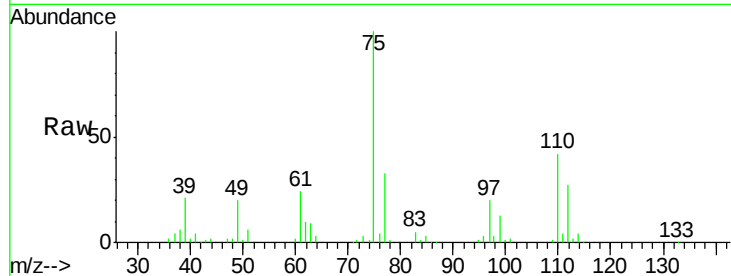




#59
 1,2,3-Trichloropropane
 Concen: 5.60 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

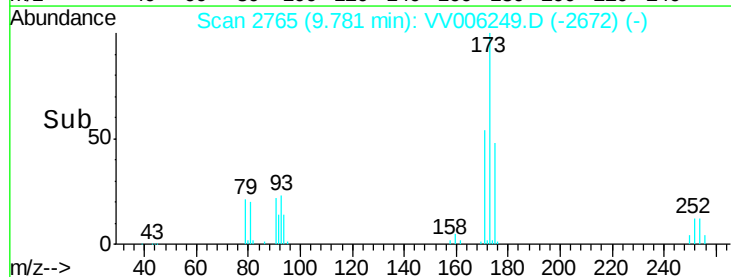
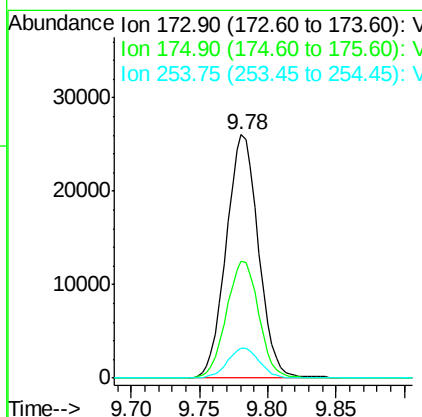
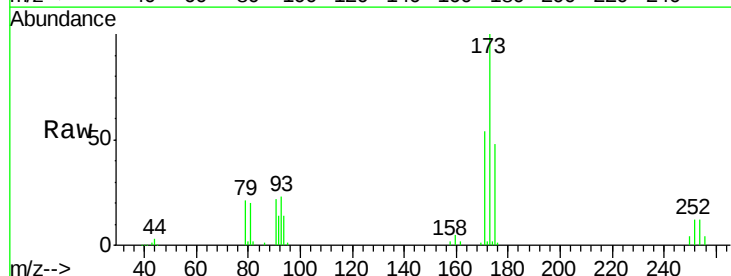
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

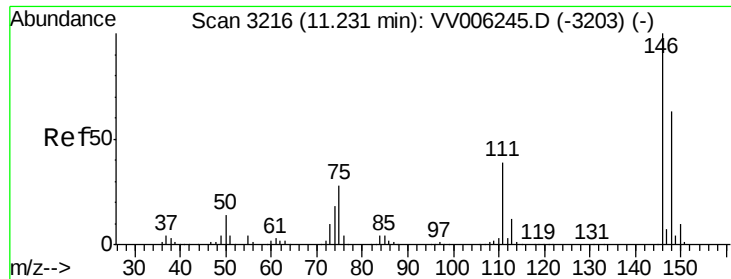
Tgt Ion: 75 Resp: 54799
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 4.81 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Tgt Ion: 173 Resp: 42796
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 12.2 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.47 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

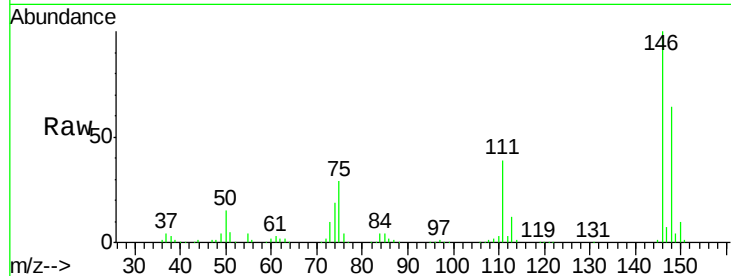
Tgt Ion:146 Resp: 225878

Ion Ratio Lower Upper

146 100

111 39.1 27.6 51.2

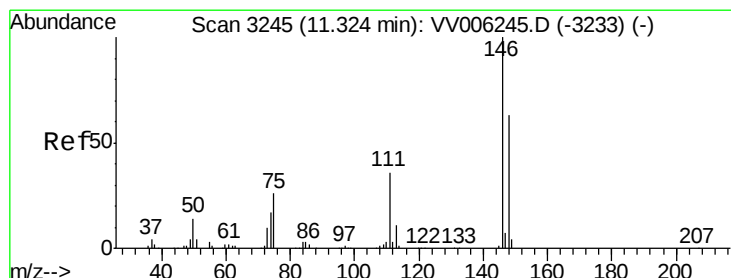
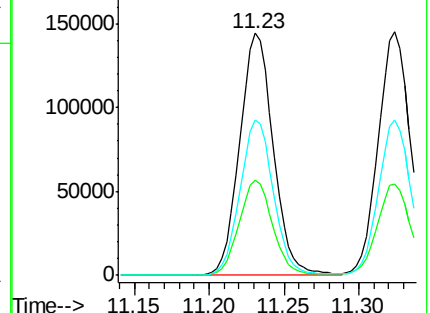
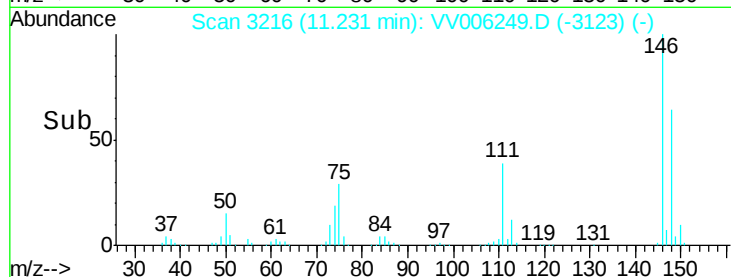
148 64.1 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.49 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

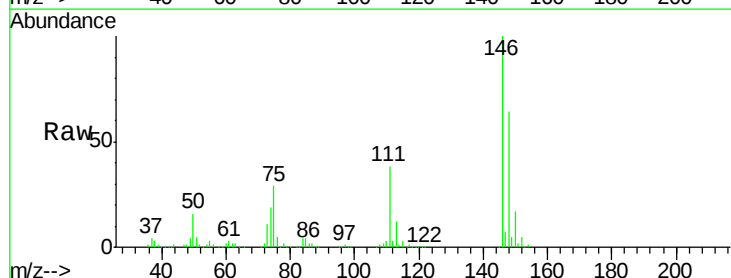
Tgt Ion:146 Resp: 224177

Ion Ratio Lower Upper

146 100

111 37.6 26.9 50.1

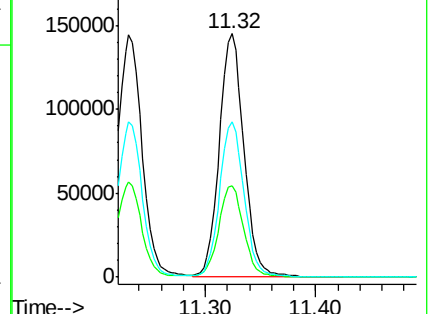
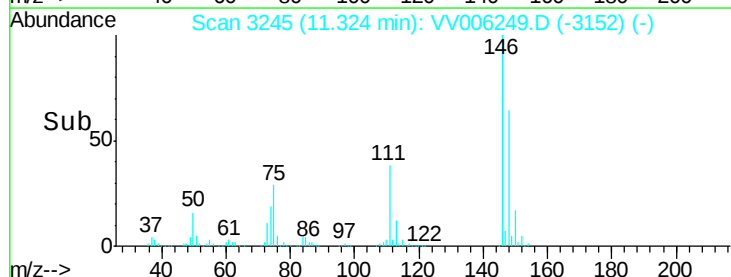
148 63.5 44.8 83.2

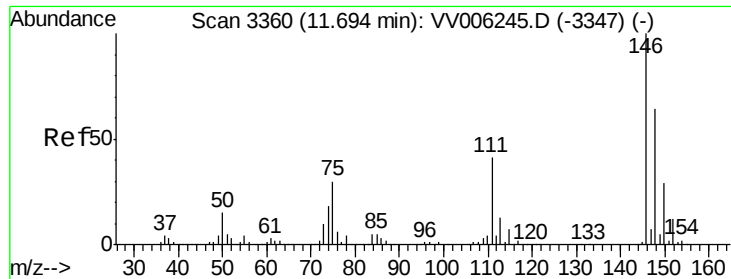


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.57 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

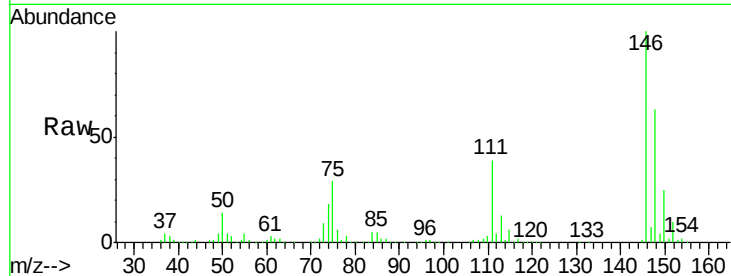
Tgt Ion:146 Resp: 212117

Ion Ratio Lower Upper

146 100

111 39.5 32.8 49.2

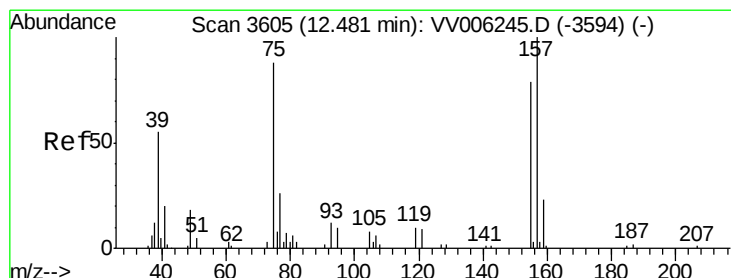
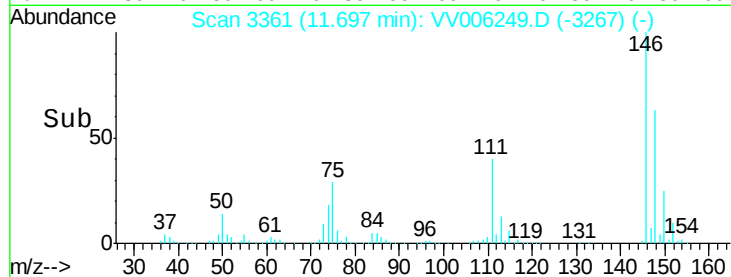
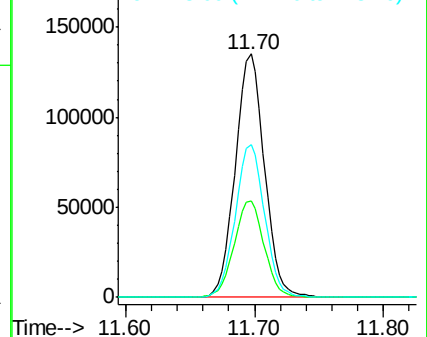
148 62.8 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.80 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

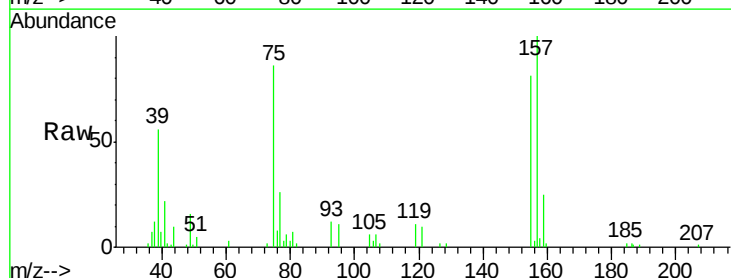
Tgt Ion: 75 Resp: 12020

Ion Ratio Lower Upper

75 100

155 94.2 70.3 105.5

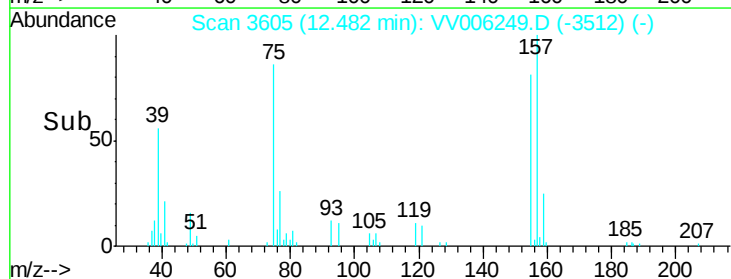
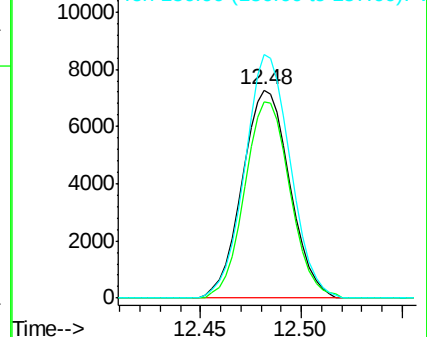
157 116.9 93.8 140.6

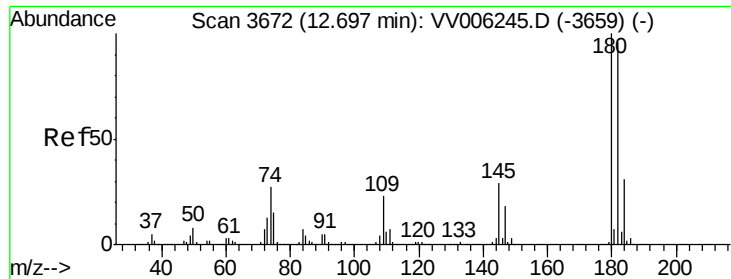


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

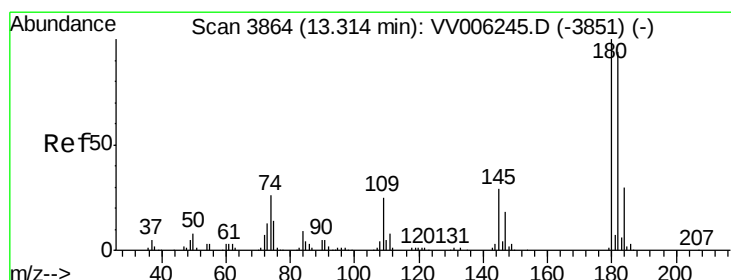
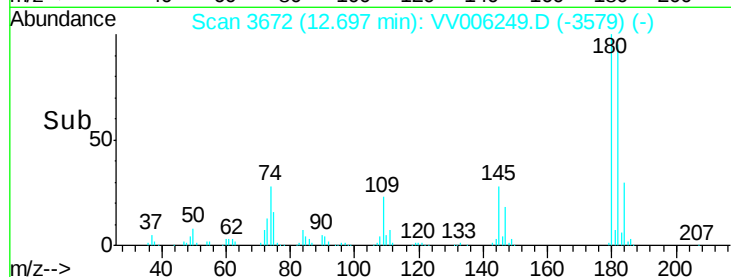
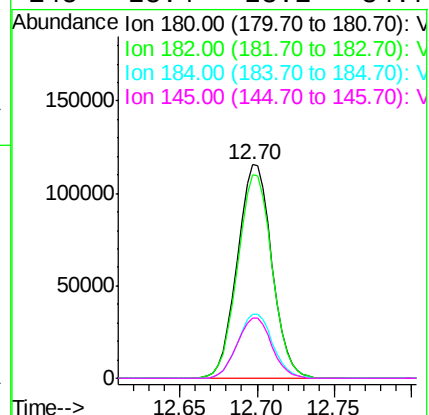
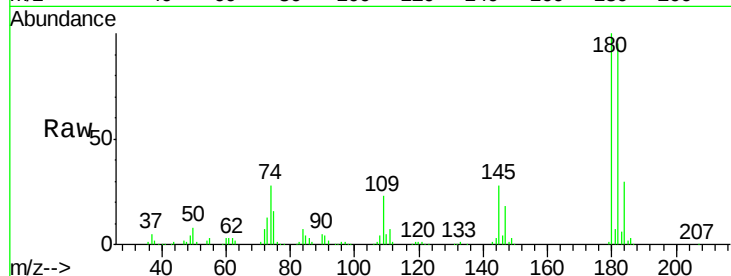




#67
 1,3,5-Trichlorobenzene
 Concen: 5.62 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

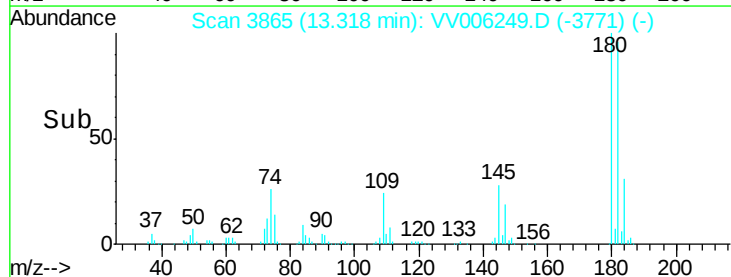
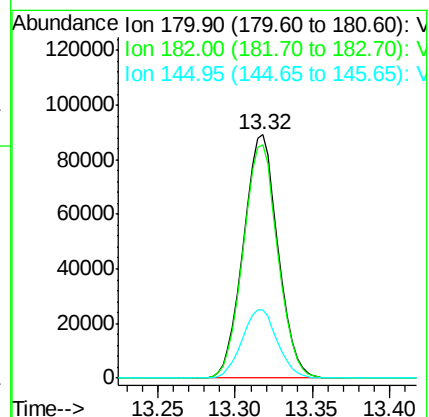
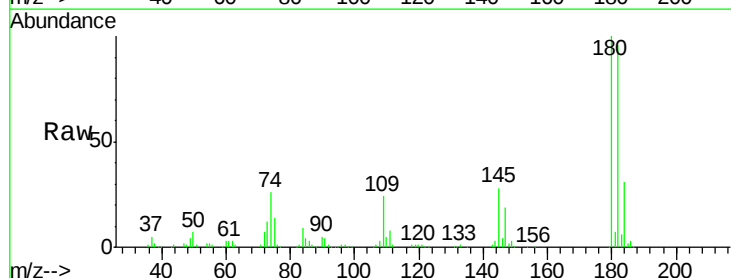
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

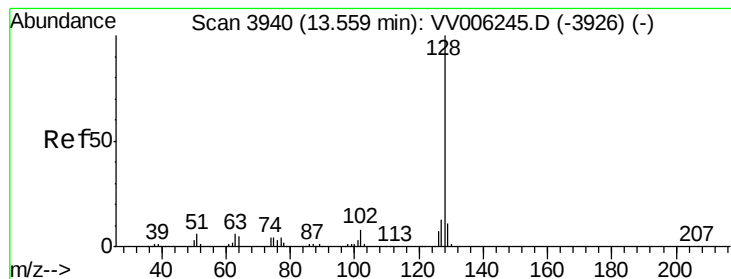
Tgt Ion:180 Resp: 178542
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.2
 184 30.6 24.3 36.5
 145 28.4 23.1 34.7



#68
 1,2,4-trichlorobenzene
 Concen: 5.63 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006249.D
 Acq: 12 Jun 2018 16:24

Tgt Ion:180 Resp: 138332
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.7 115.1
 145 28.8 23.7 35.5





#69

Naphthalene

Concen: 5.31 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

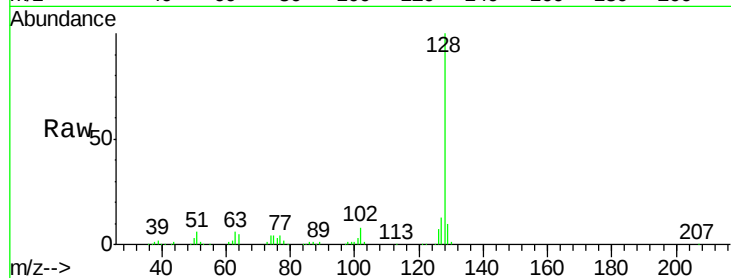
Tgt Ion:128 Resp: 219597

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

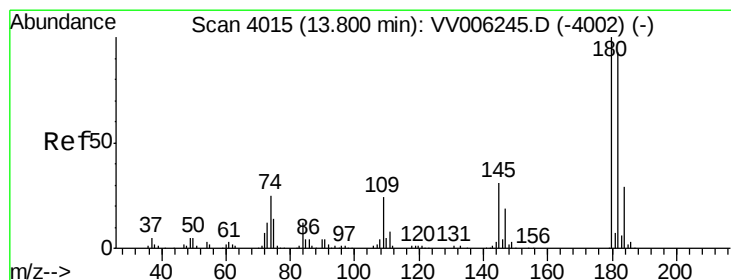
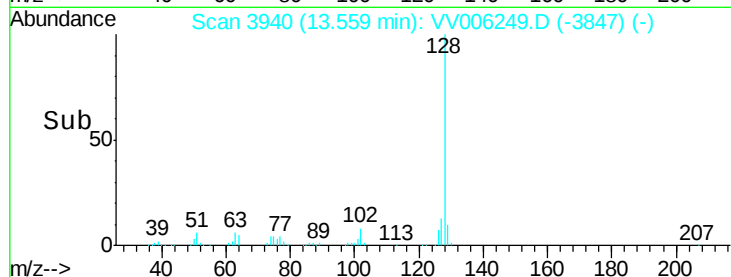
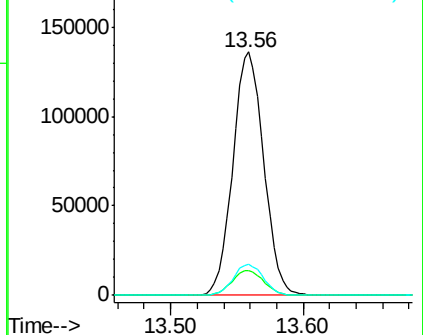
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.67 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006249.D

Acq: 12 Jun 2018 16:24

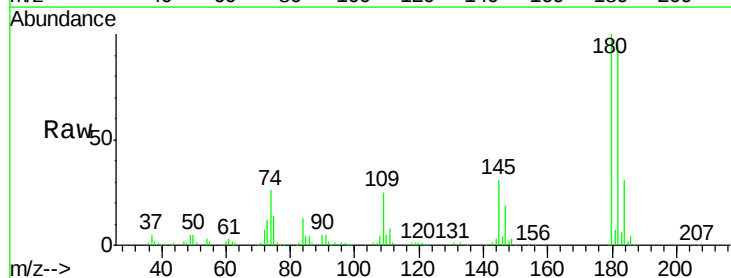
Tgt Ion:180 Resp: 127887

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.2

145 31.0 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

