

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007762.D
 Acq On : 23 Sep 2018 03:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Sep 24 02:38:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:35:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195431	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190015	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	109822	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48413	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.16%
7) Chloroethane-d5	1.59	69	48007	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.48%
11) 1,1-Dichloroethene-d2	2.14	63	122591	48.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.90%
21) 2-Butanone-d5	3.95	46	63598	90.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.66%
24) Chloroform-d	4.41	84	109004	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
26) 1,2-Dichloroethane-d4	5.09	65	71192	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
32) Benzene-d6	5.11	84	213215	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	6.13	67	62501	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.36	98	226139	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%
43) trans-1,3-Dichloropropene-	7.67	79	29522	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.80%
47) 2-Hexanone-d5	8.14	63	53609	94.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.39%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	98880	49.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.22%
64) 1,2-Dichlorobenzene-d4	11.68	152	107375	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66047	48.675	ug/L 98
3) Chloromethane	1.26	50	51852	47.545	ug/L 98
5) Vinyl chloride	1.33	62	59669	47.234	ug/L 100
6) Bromomethane	1.54	94	39036	39.504	ug/L 96
8) Chloroethane	1.60	64	40164	47.553	ug/L 97
9) Trichlorofluoromethane	1.78	101	127858	49.080	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	71724	48.542	ug/L 98
12) 1,1-Dichloroethene	2.15	96	64711	49.923	ug/L 95
13) Acetone	2.19	43	54197	73.207	ug/L 99
14) Carbon disulfide	2.33	76	156636	45.616	ug/L 100
15) Methyl Acetate	2.46	43	62286	47.530	ug/L 99
16) Methylene chloride	2.54	84	71144	50.043	ug/L 97
17) trans-1,2-Dichloroethene	2.80	96	70490	48.204	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	210889	48.870	ug/L 100
19) 1,1-Dichloroethane	3.23	63	91793	49.684	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	63698	48.568	ug/L 99
22) 2-Butanone	4.04	43	67743	84.533	ug/L 99

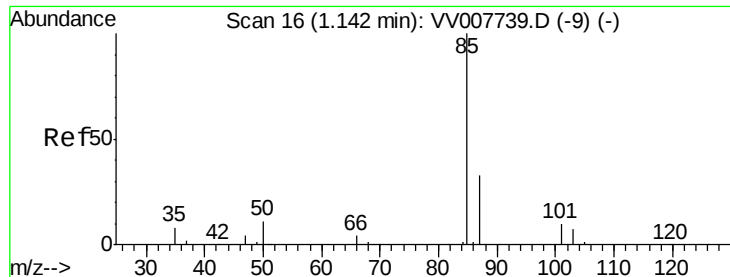
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	35622	49.009	ug/L	98
25) Chloroform	4.43	83	110270	50.348	ug/L	97
27) 1,2-Dichloroethane	5.19	62	85058	47.879	ug/L	100
29) Cyclohexane	4.73	56	79823	48.038	ug/L	98
30) 1,1,1-Trichloroethane	4.67	97	98305	48.342	ug/L	99
31) Carbon tetrachloride	4.88	117	91530	48.716	ug/L	99
33) Benzene	5.15	78	227194	49.917	ug/L	100
34) Trichloroethene	5.96	95	64478	47.900	ug/L	96
35) Methylcyclohexane	6.18	83	98269	47.664	ug/L	99
37) 1,2-Dichloropropane	6.23	63	53725	46.883	ug/L	99
38) Bromodichloromethane	6.56	83	77646	49.285	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	82081	44.557	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	144836	95.576	ug/L	98
42) Toluene	7.44	91	266720	49.437	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	82471	47.153	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	63612	49.398	ug/L	98
46) Tetrachloroethene	8.02	164	65105	47.257	ug/L	99
48) 2-Hexanone	8.19	43	104326	89.372	ug/L	97
49) Dibromochloromethane	8.30	129	72547	49.650	ug/L	100
50) 1,2-Dibromoethane	8.40	107	69398	48.004	ug/L	98
51) Chlorobenzene	8.93	112	191500	49.277	ug/L	100
52) Ethylbenzene	9.06	91	300036	49.192	ug/L	99
53) m,p-Xylene	9.19	106	117909	48.307	ug/L	97
54) o-xylene	9.59	106	116788	49.049	ug/L	99
55) Styrene	9.61	104	200516	49.362	ug/L	100
56) Isopropylbenzene	9.98	105	314752	49.023	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	101519	49.545	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	78204	48.259	ug/L	100
61) Bromoform	9.78	173	54179	47.412	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	163576	46.975	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	169634	46.966	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	171477	48.702	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	19224	45.147	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	133457	45.634	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	117942	44.935	ug/L	100
69) Naphthalene	13.56	128	304129	45.193	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	119869	45.183	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.675 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

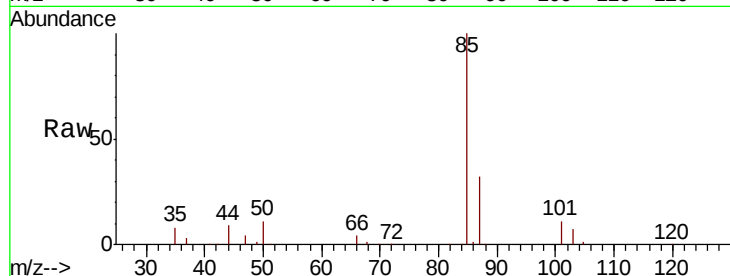
VSTD05070

Tgt Ion: 85 Resp: 66047

Ion Ratio Lower Upper

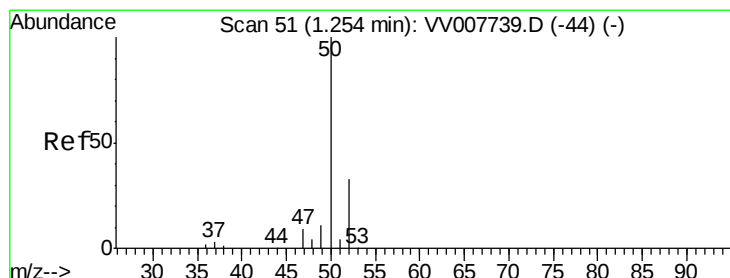
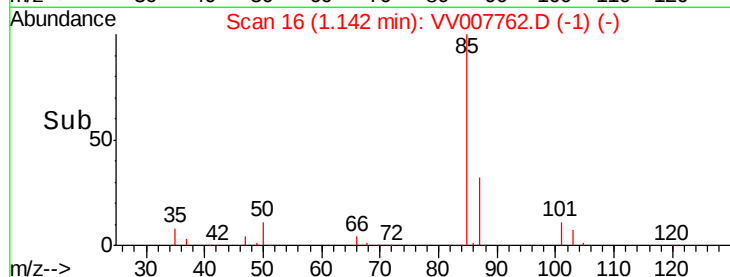
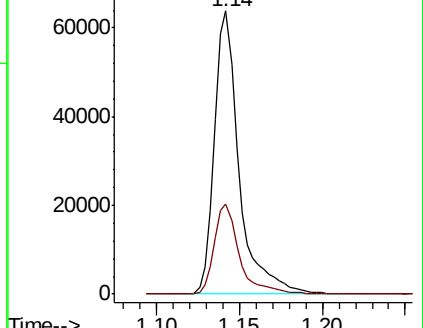
85 100

87 32.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV007739.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007739.D (-9) (-)



#3

Chloromethane

Concen: 47.545 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007762.D

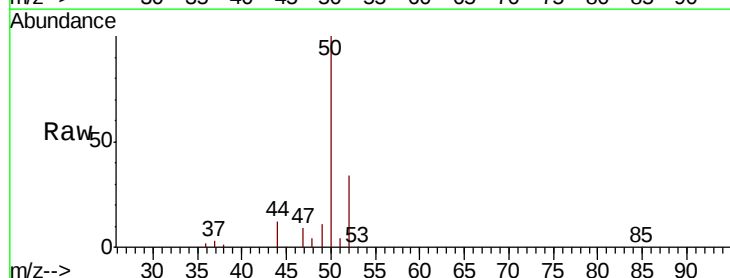
Acq: 23 Sep 2018 03:00

Tgt Ion: 50 Resp: 51852

Ion Ratio Lower Upper

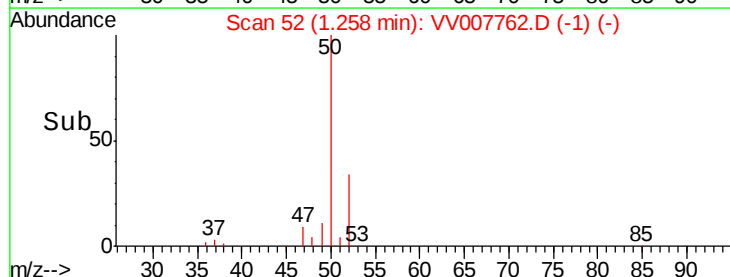
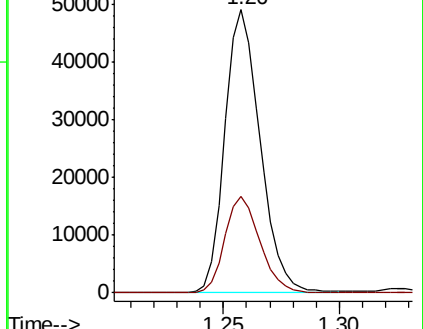
50 100

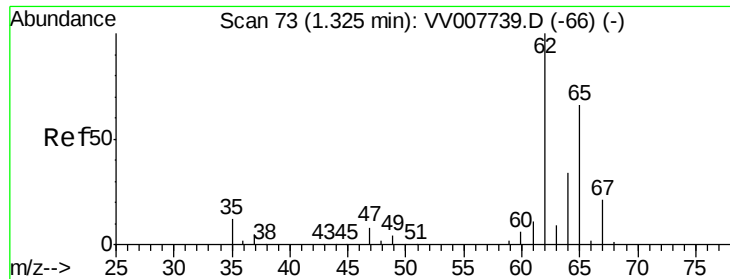
52 34.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007739.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007739.D (-44) (-)





#5

Vinyl chloride

Concen: 47.234 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

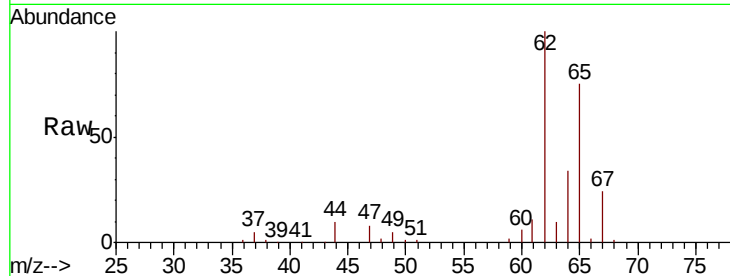
VSTD05070

Tgt Ion: 62 Resp: 59669

Ion Ratio Lower Upper

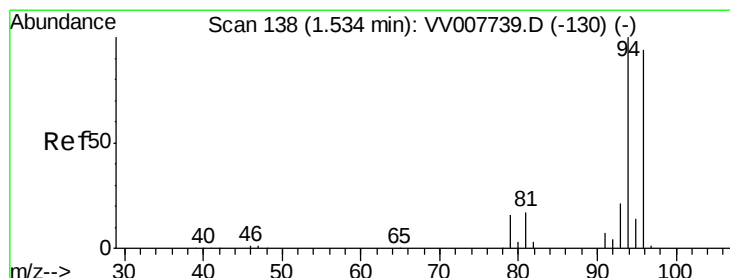
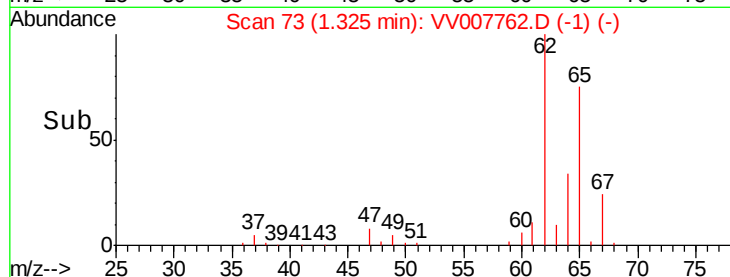
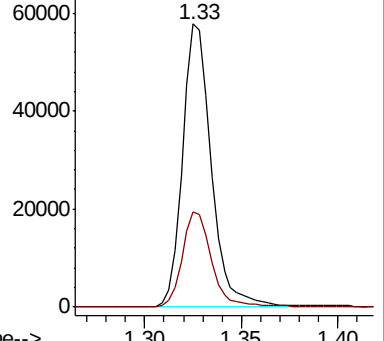
62 100

64 33.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV007739.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007739.D (-66) (-)



#6

Bromomethane

Concen: 39.504 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007762.D

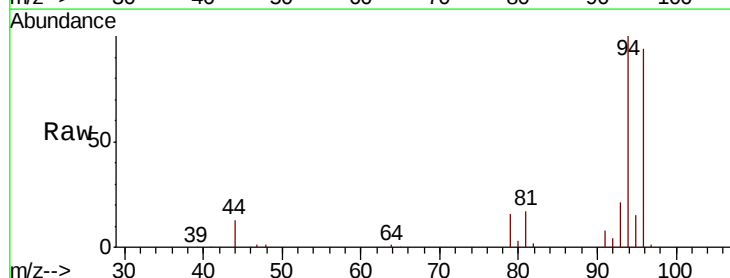
Acq: 23 Sep 2018 03:00

Tgt Ion: 94 Resp: 39036

Ion Ratio Lower Upper

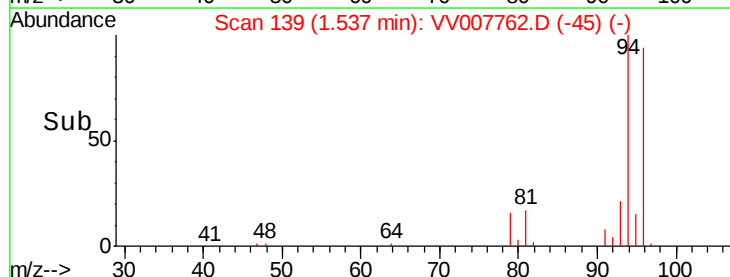
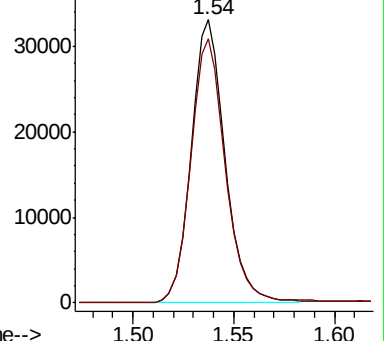
94 100

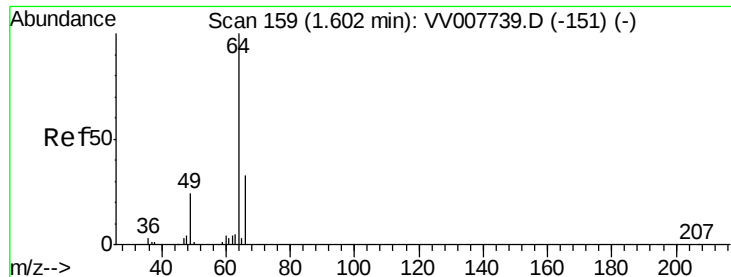
96 93.5 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV007739.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007739.D (-130) (-)





#8

Chloroethane

Concen: 47.553 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

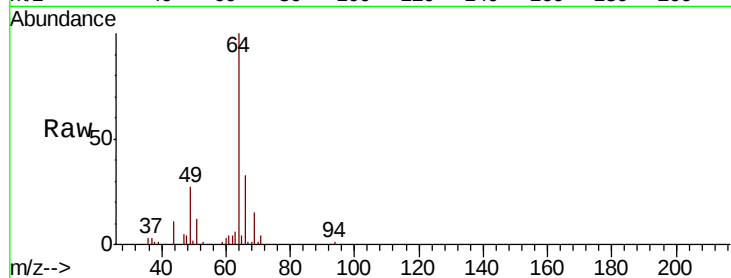
VSTD05070

Tgt Ion: 64 Resp: 40164

Ion Ratio Lower Upper

64 100

66 33.5 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV007739.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV007739.D (-151) (-)

1.60

40000

30000

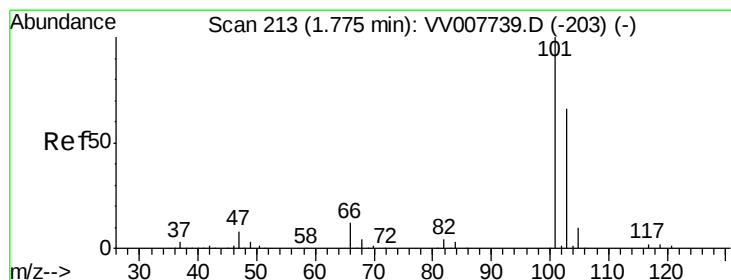
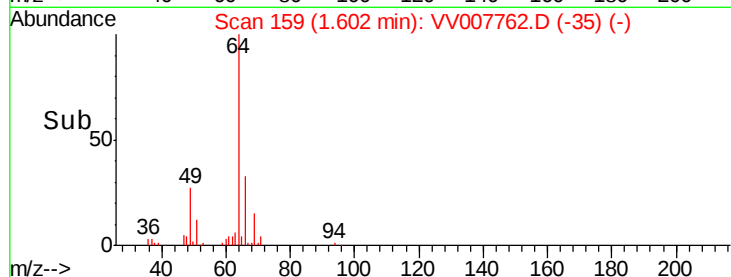
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 49.080 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007762.D

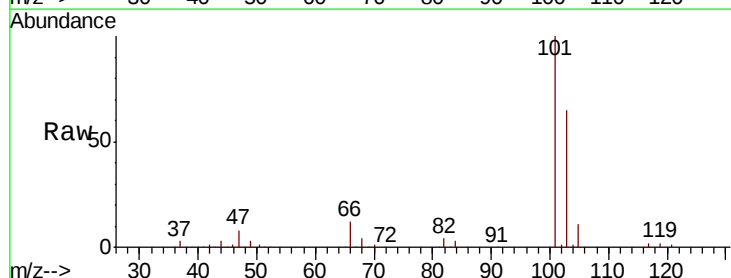
Acq: 23 Sep 2018 03:00

Tgt Ion: 101 Resp: 127858

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV007739.D (-203) (-)

Ion 103.00 (102.70 to 103.70): VV007739.D (-203) (-)

1.78

100000

80000

60000

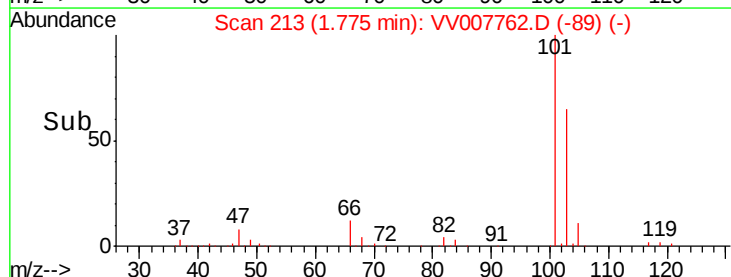
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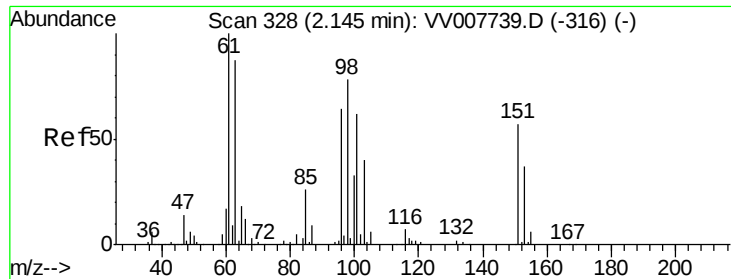
20000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 48.542 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

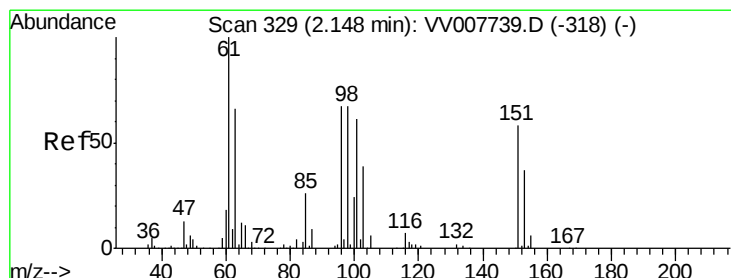
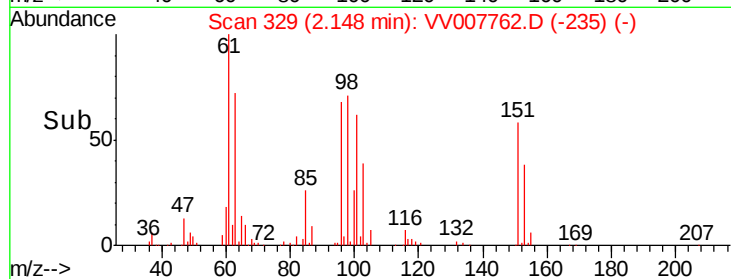
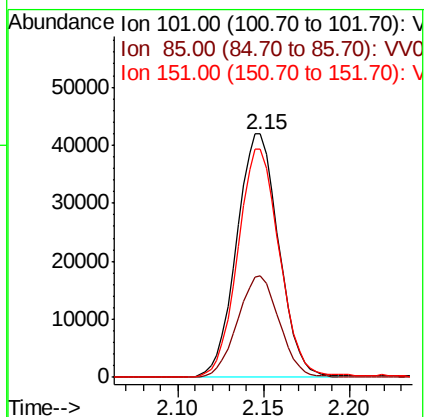
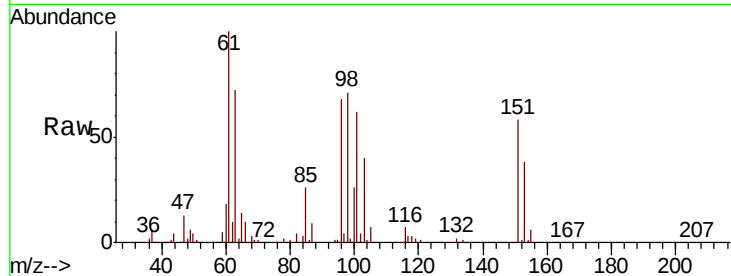
Tgt Ion:101 Resp: 71724

Ion Ratio Lower Upper

101 100

85 41.4 32.7 49.1

151 92.3 72.2 108.2



#12

1,1-Dichloroethene

Concen: 49.923 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

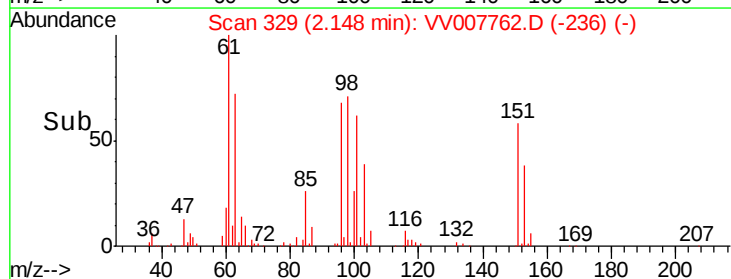
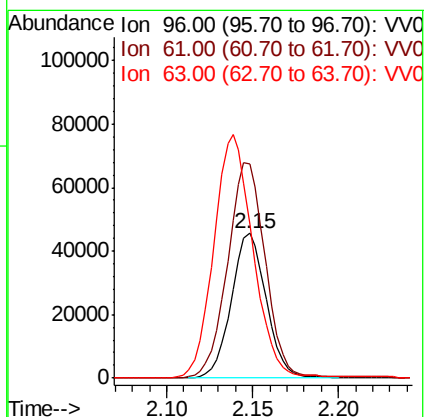
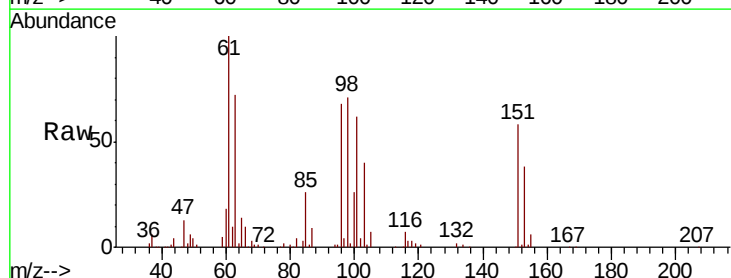
Tgt Ion: 96 Resp: 64711

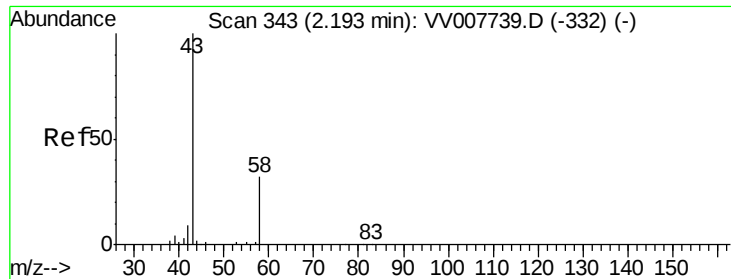
Ion Ratio Lower Upper

96 100

61 147.5 107.3 199.3

63 106.2 78.8 146.4





#13

Acetone

Concen: 73.207 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

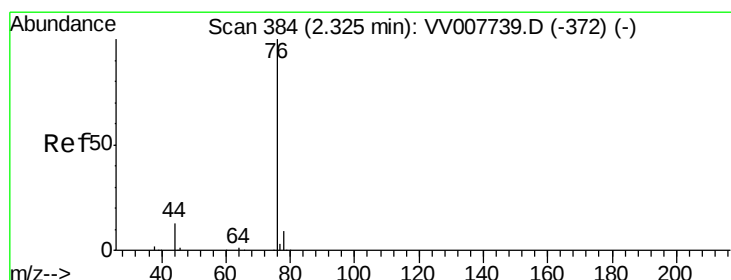
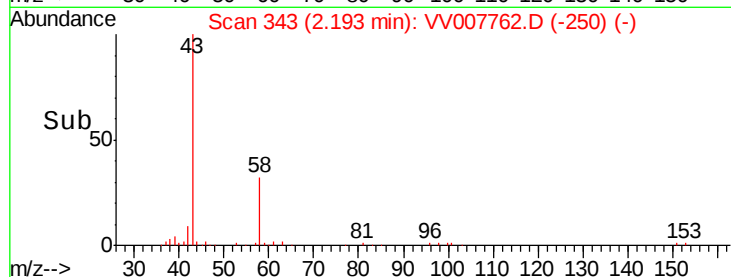
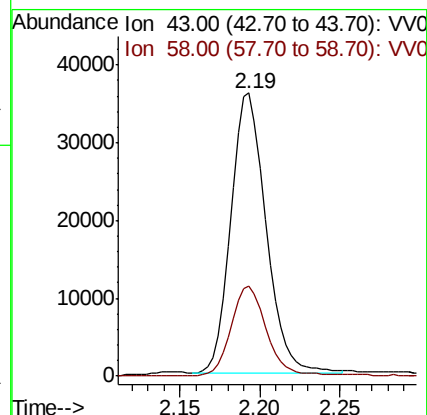
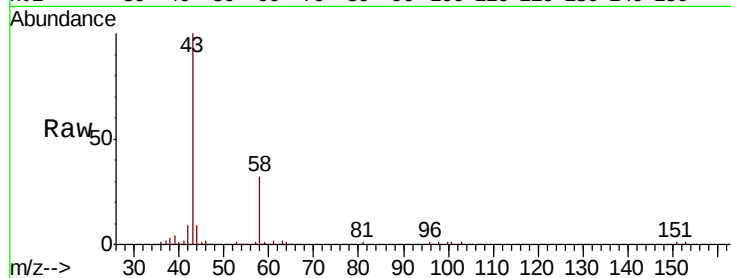
VSTD05070

Tgt Ion: 43 Resp: 54197

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.2



#14

Carbon disulfide

Concen: 45.616 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007762.D

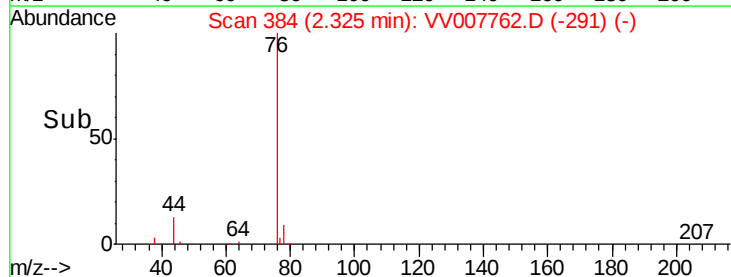
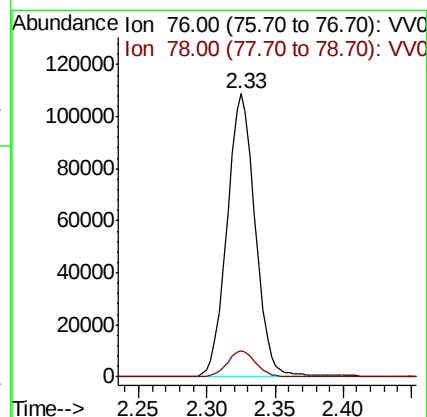
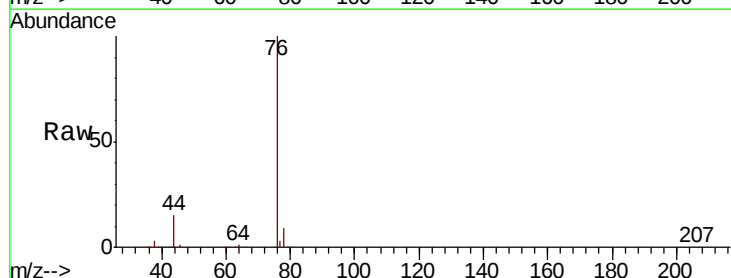
Acq: 23 Sep 2018 03:00

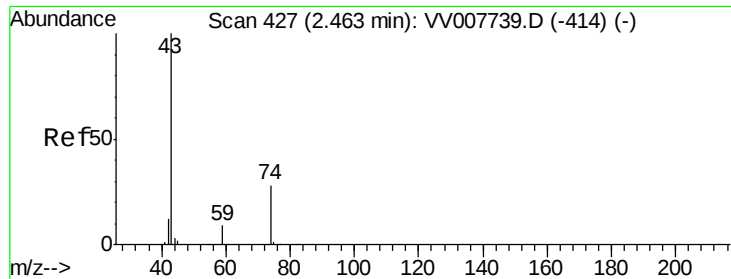
Tgt Ion: 76 Resp: 156636

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

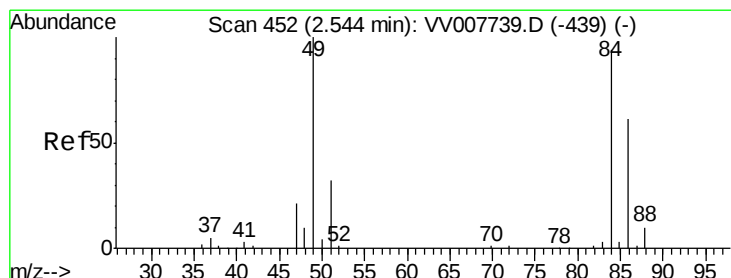
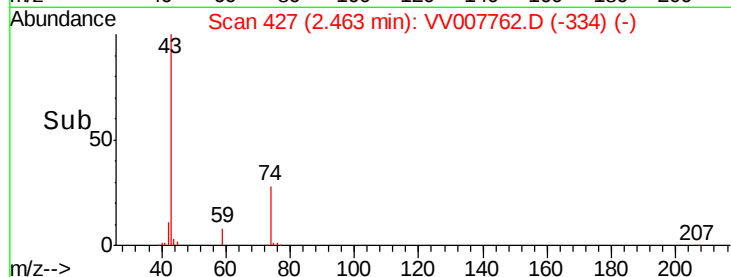
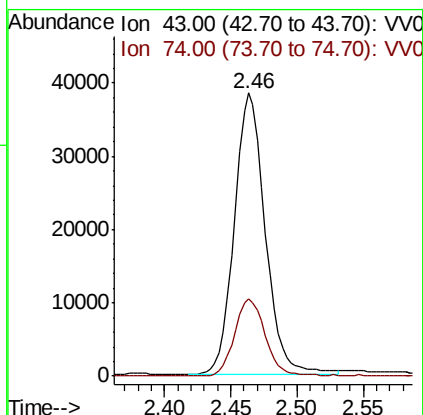
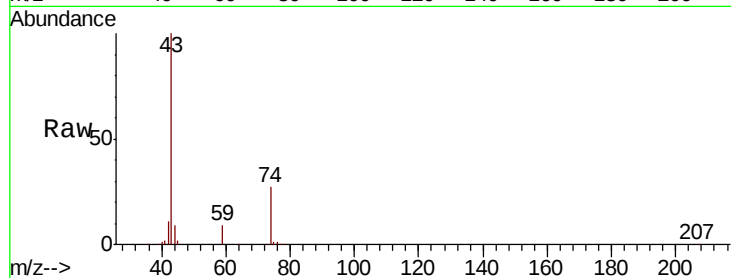




#15
Methyl Acetate
Concen: 47.530 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

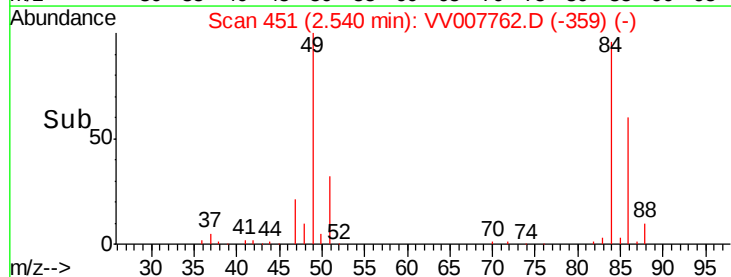
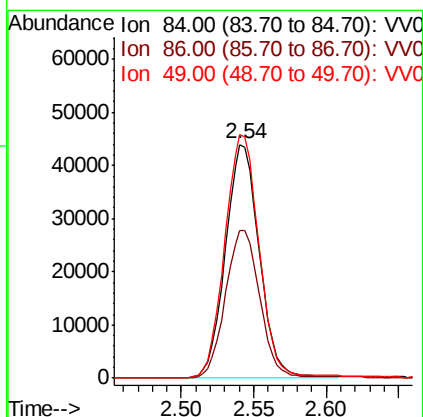
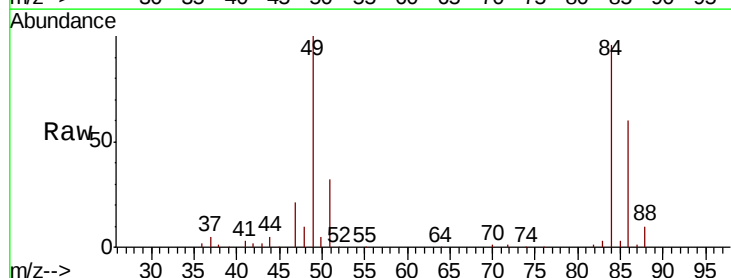
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

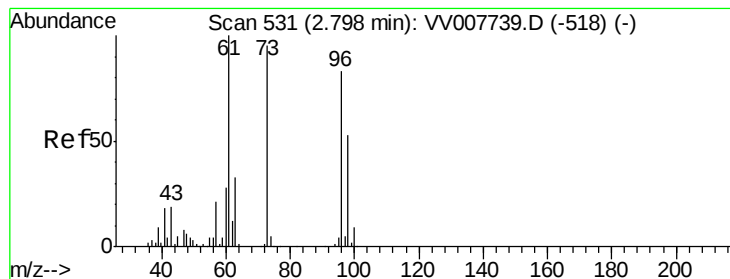
Tgt Ion: 43 Resp: 62286
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.2



#16
Methylene chloride
Concen: 50.043 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Tgt Ion: 84 Resp: 71144
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.4
49 104.3 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 48.204 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

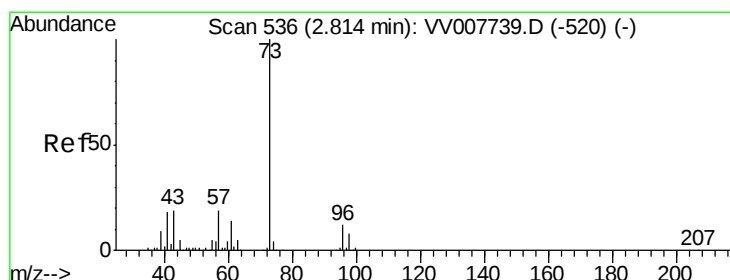
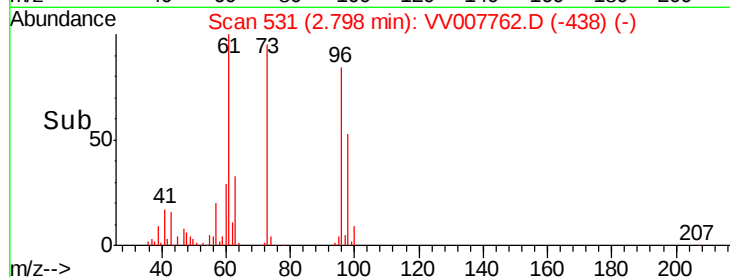
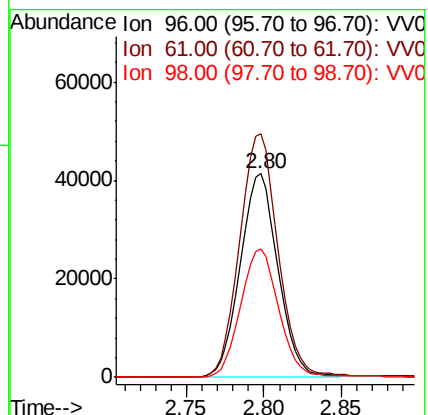
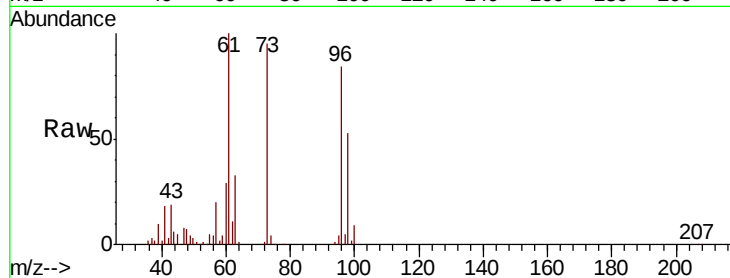
Tgt Ion: 96 Resp: 70490

Ion Ratio Lower Upper

96 100

61 119.6 84.9 157.7

98 63.3 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 48.870 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

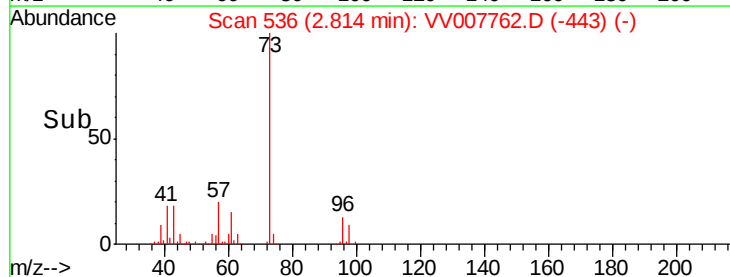
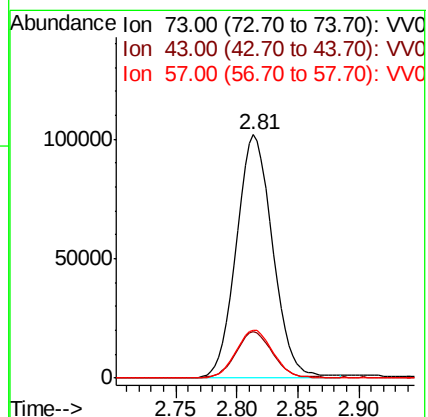
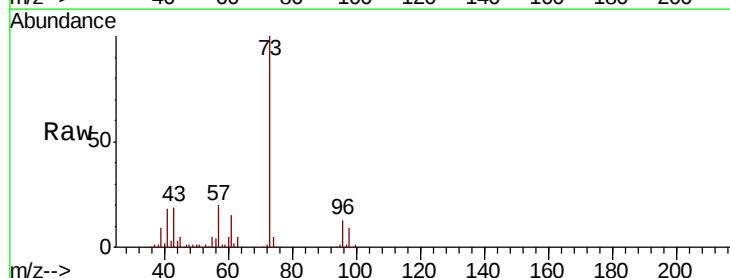
Tgt Ion: 73 Resp: 210889

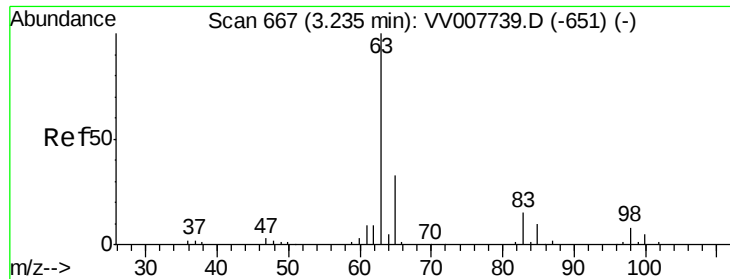
Ion Ratio Lower Upper

73 100

43 18.9 15.0 22.6

57 20.0 15.8 23.8





#19

1,1-Dichloroethane

Concen: 49.684 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

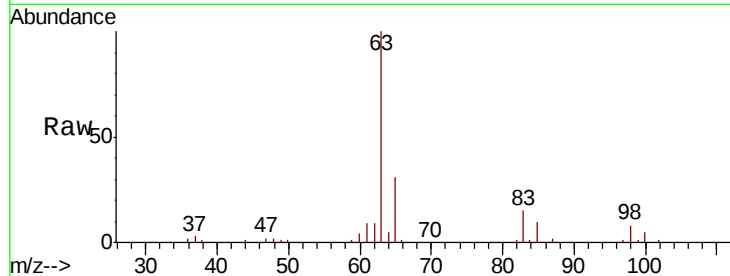
Tgt Ion: 63 Resp: 91793

Ion Ratio Lower Upper

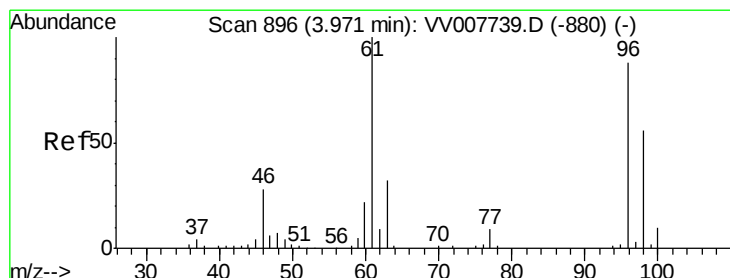
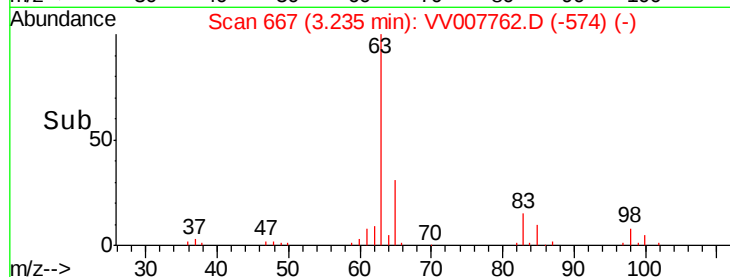
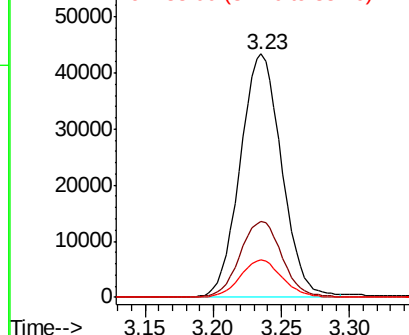
63 100

65 31.2 21.6 40.2

83 15.2 11.2 20.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.568 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

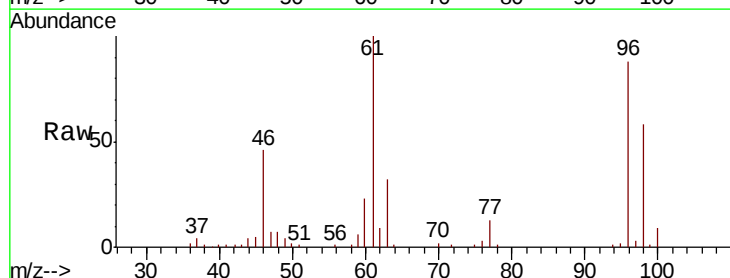
Tgt Ion: 96 Resp: 63698

Ion Ratio Lower Upper

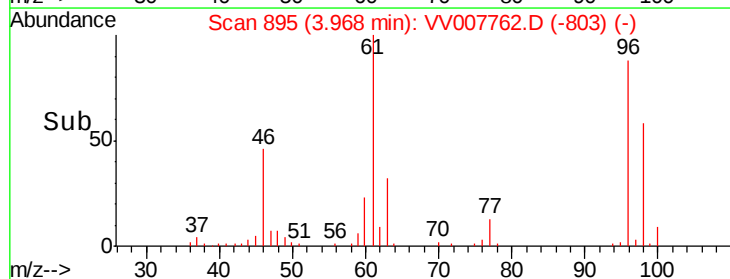
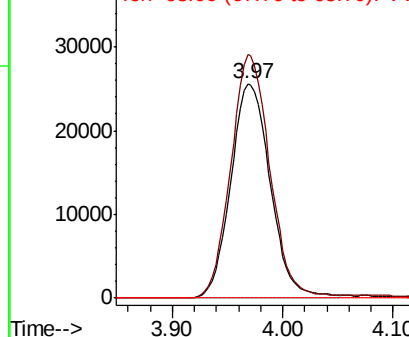
96 100

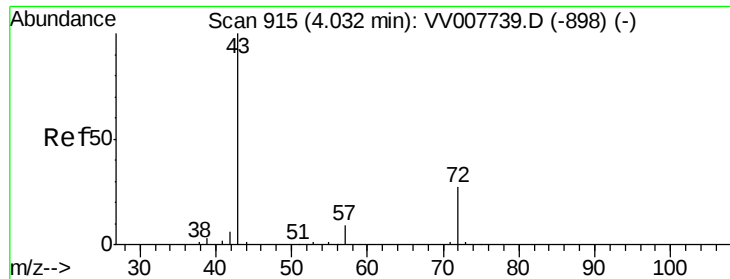
61 113.5 78.8 146.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 84.533 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

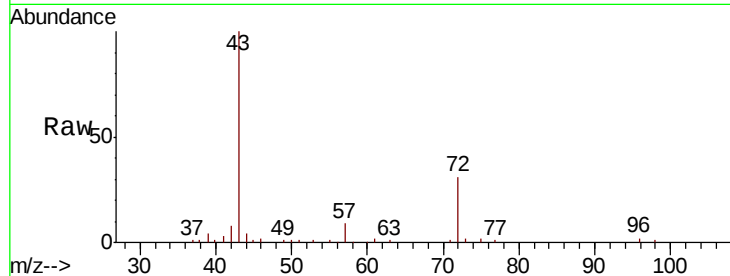
VSTD05070

Tgt Ion: 43 Resp: 67743

Ion Ratio Lower Upper

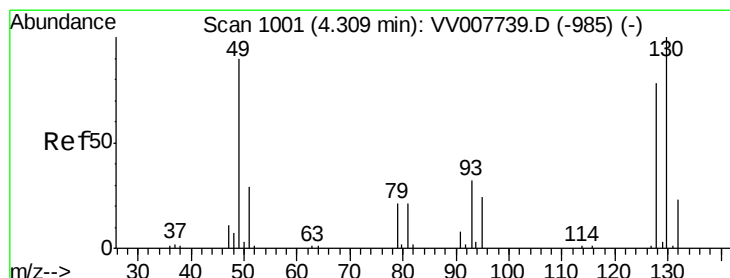
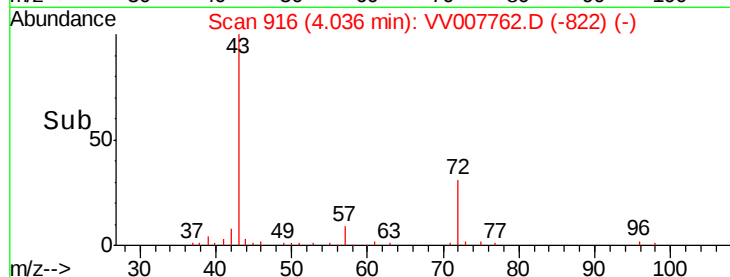
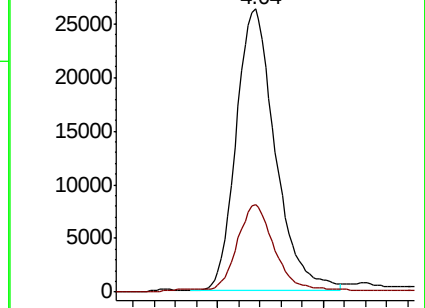
43 100

72 27.8 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV007739.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV007739.D (-898) (-)



#23

Bromochloromethane

Concen: 49.009 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Tgt Ion: 128 Resp: 35622

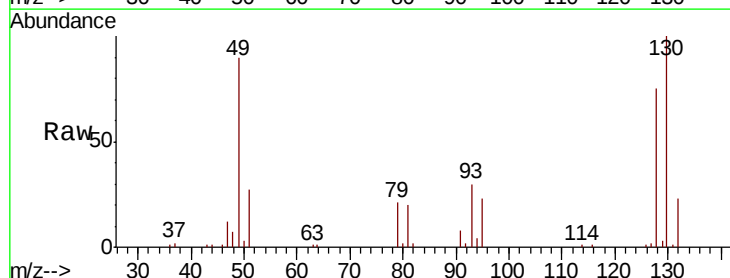
Ion Ratio Lower Upper

128 100

49 119.4 84.8 157.4

130 132.9 90.9 168.9

51 36.5 30.6 46.0

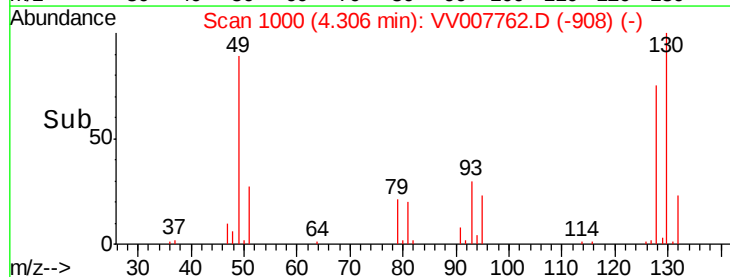
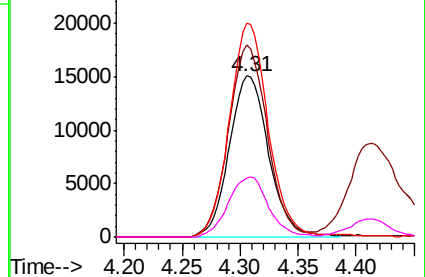


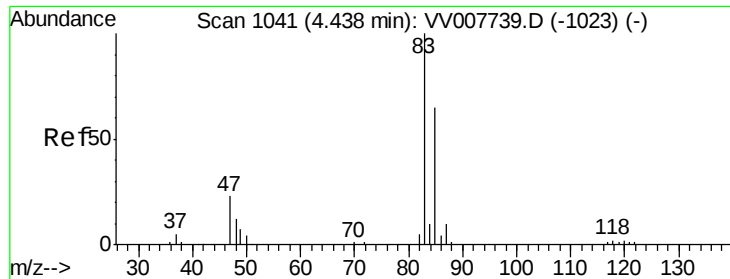
Abundance Ion 128.00 (127.70 to 128.70): VV007739.D (-985) (-)

Ion 49.00 (48.70 to 49.70): VV007739.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007739.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007739.D (-985) (-)

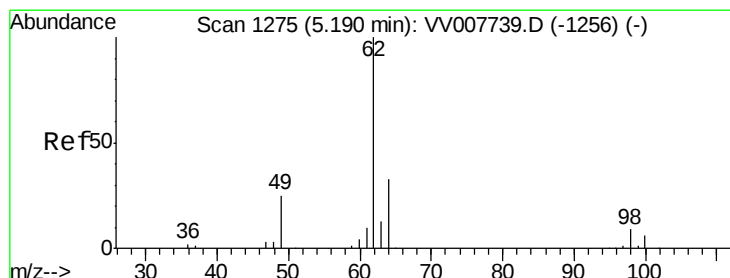
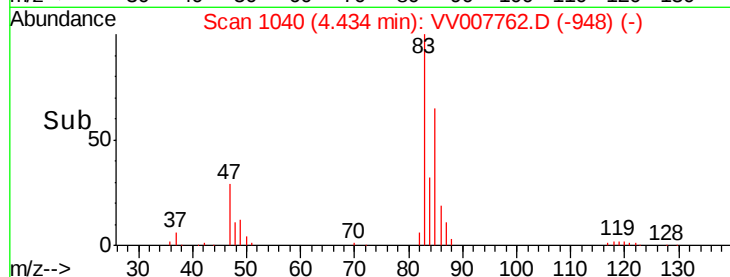
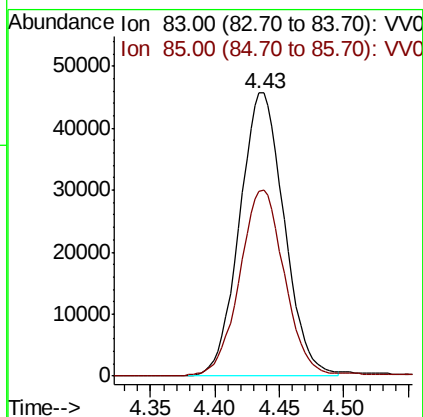
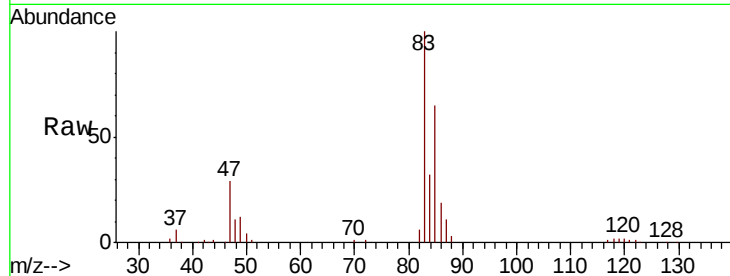




#25
Chloroform
Concen: 50.348 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

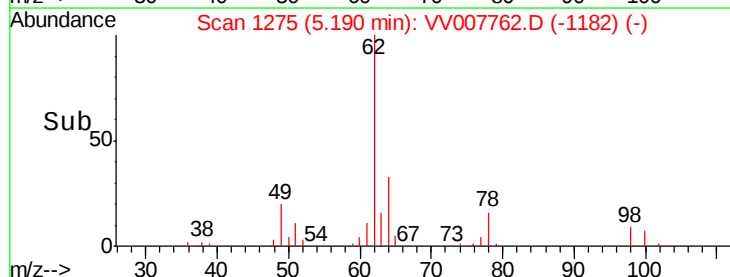
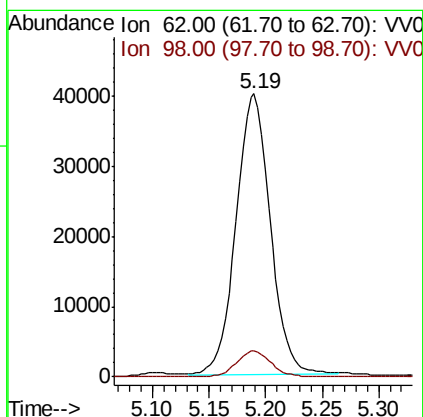
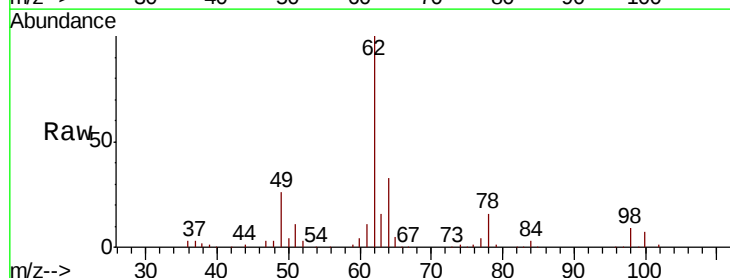
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

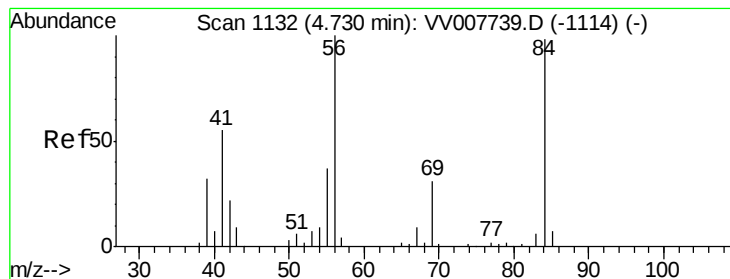
Tgt Ion: 83 Resp: 110270
Ion Ratio Lower Upper
83 100
85 65.3 44.0 81.8



#27
1,2-Dichloroethane
Concen: 47.879 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Tgt Ion: 62 Resp: 85058
Ion Ratio Lower Upper
62 100
98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 48.038 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

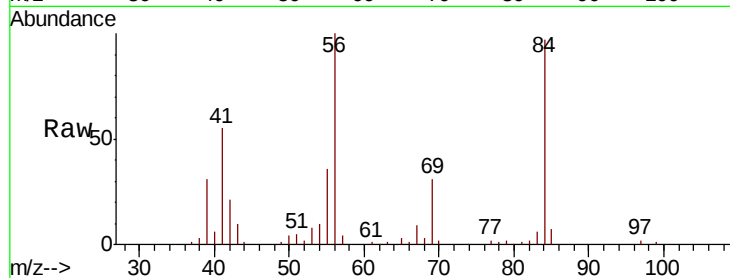
Tgt Ion: 56 Resp: 79823

Ion Ratio Lower Upper

56 100

69 32.0 26.1 39.1

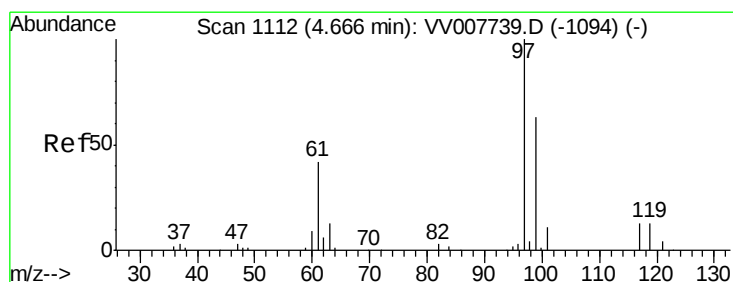
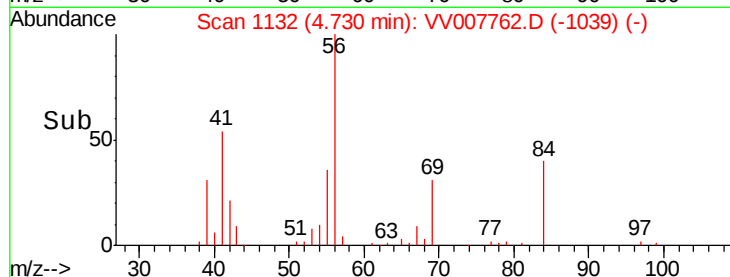
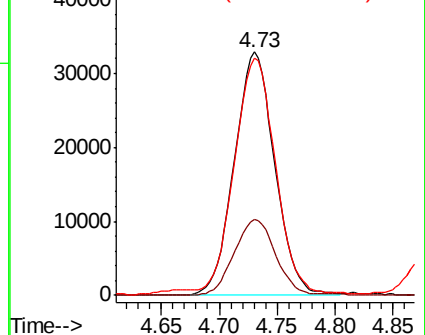
84 97.3 79.7 119.5



Abundance Ion 56.00 (55.70 to 56.70): VV007739.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VV007739.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VV007739.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 48.342 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

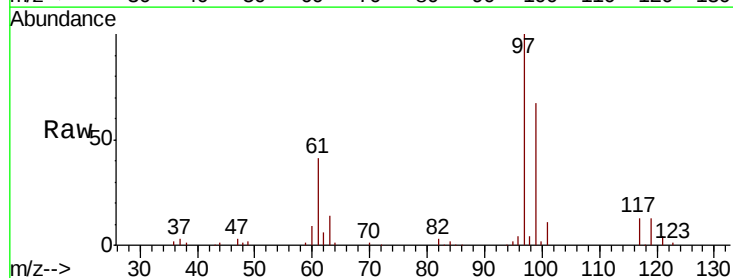
Tgt Ion: 97 Resp: 98305

Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

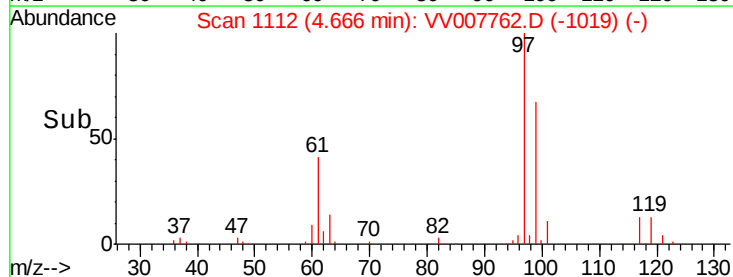
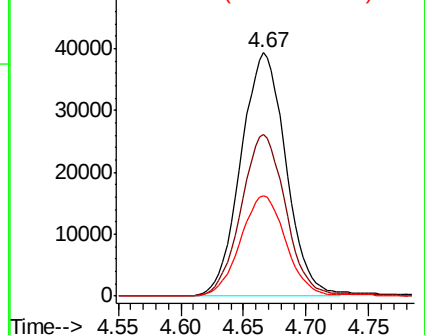
61 41.5 33.0 49.4

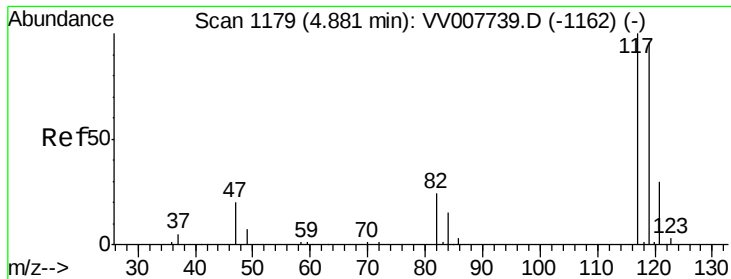


Abundance Ion 97.00 (96.70 to 97.70): VV007739.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VV007739.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VV007739.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 48.716 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

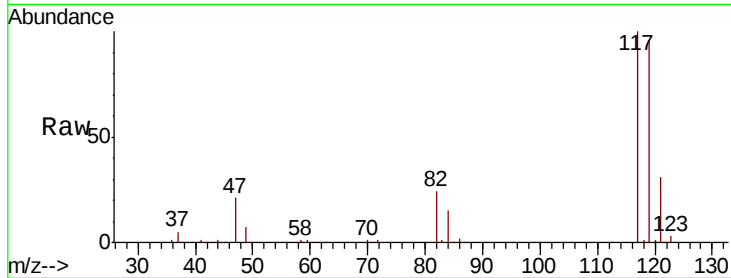
VSTD05070

Tgt Ion:117 Resp: 91530

Ion Ratio Lower Upper

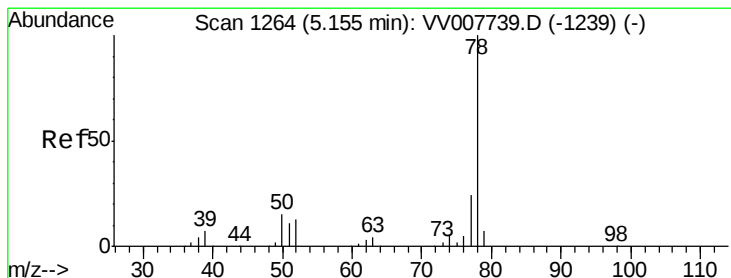
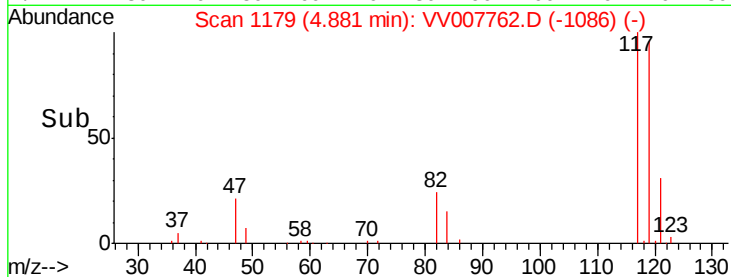
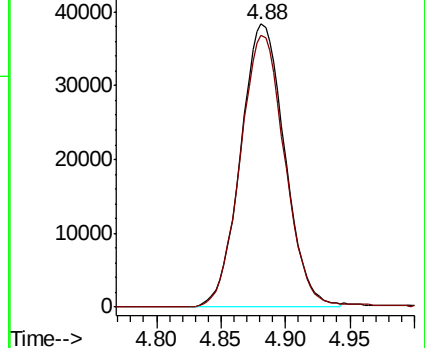
117 100

119 97.5 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.917 ug/L

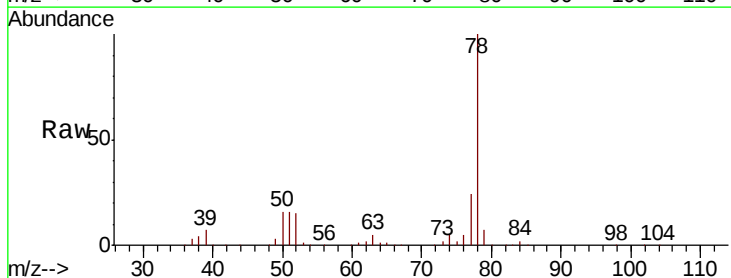
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

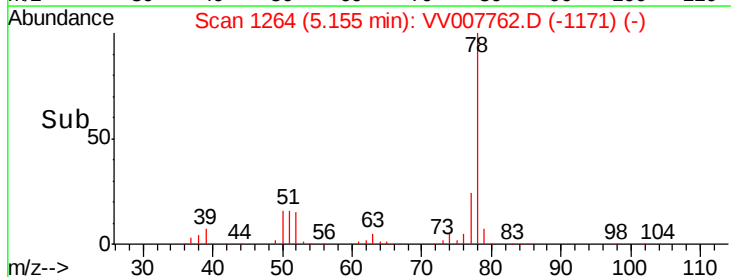
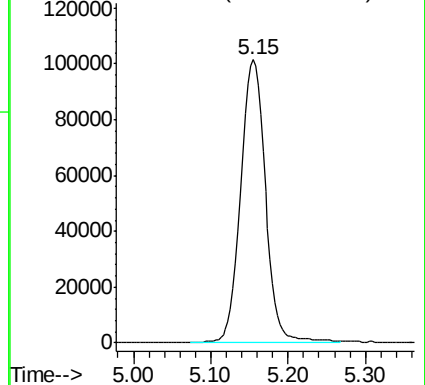
Lab File: VV007762.D

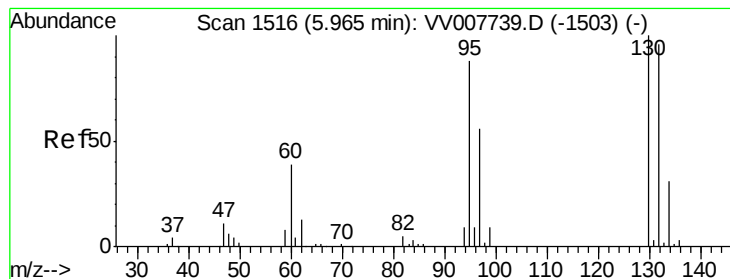
Acq: 23 Sep 2018 03:00

Tgt Ion: 78 Resp: 227194



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.900 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05070

Tgt Ion: 95 Resp: 64478

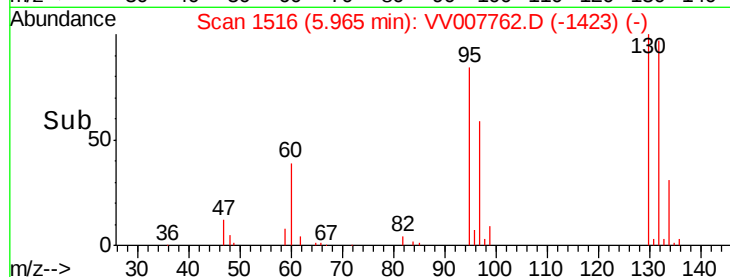
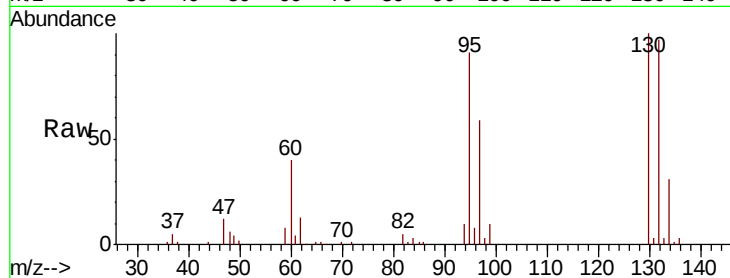
Ion Ratio Lower Upper

95 100

97 64.1 45.2 84.0

132 105.7 77.7 144.3

130 109.4 79.7 148.1

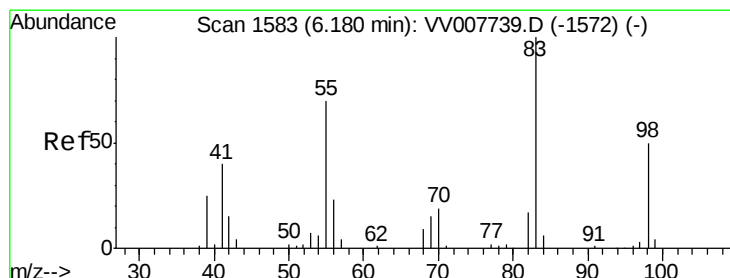
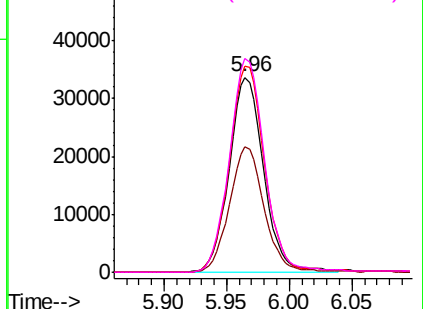


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 47.664 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

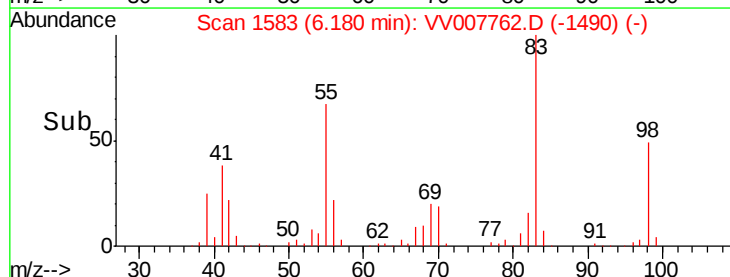
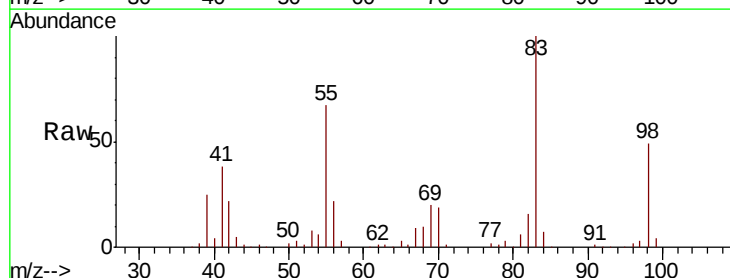
Tgt Ion: 83 Resp: 98269

Ion Ratio Lower Upper

83 100

55 67.3 54.6 82.0

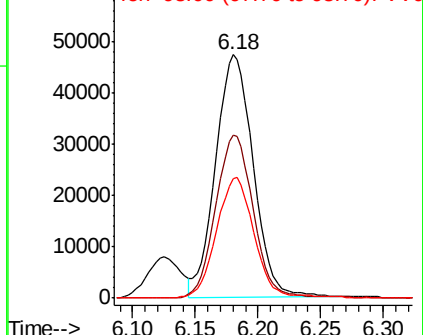
98 49.8 39.0 58.6

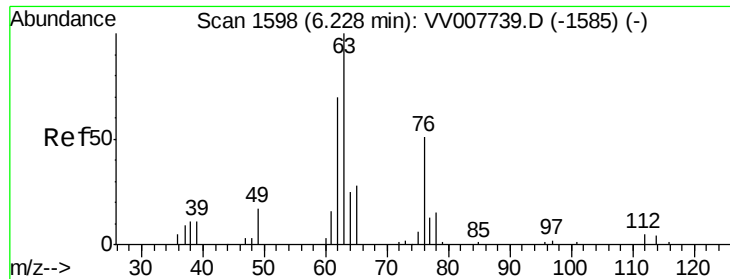


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

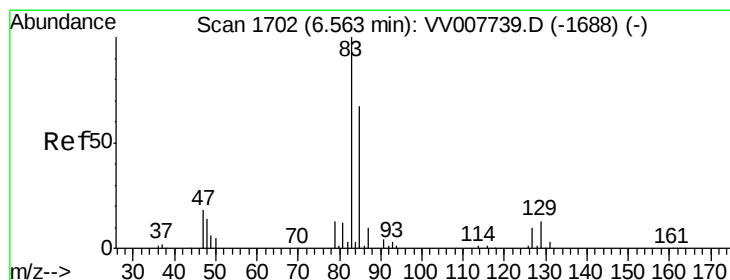
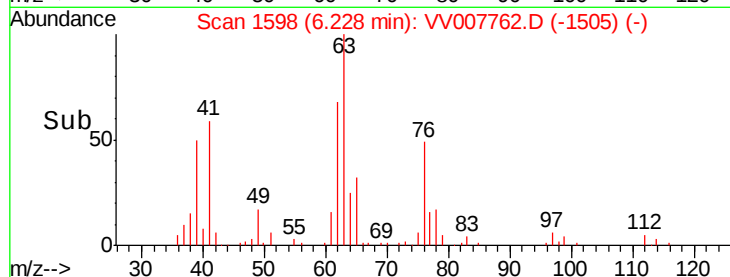
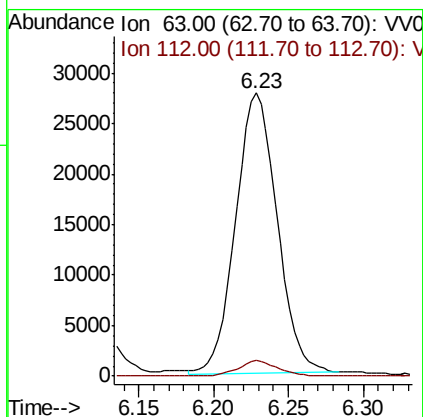
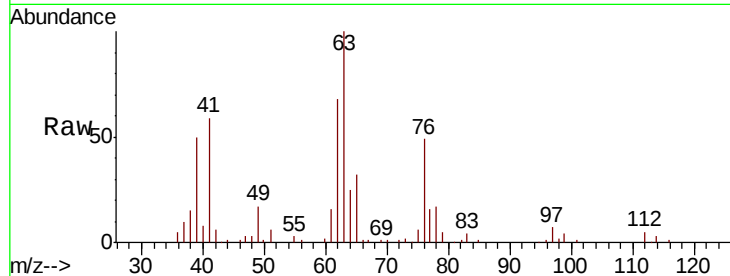




#37
 1,2-Dichloropropane
 Concen: 46.883 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

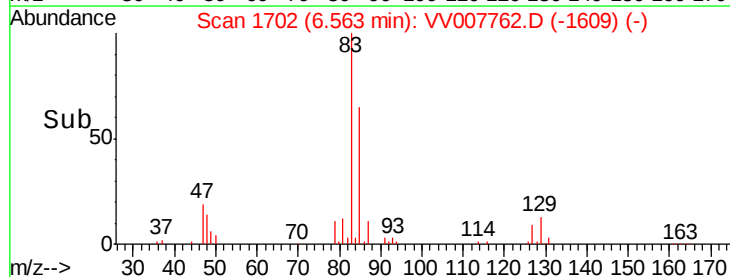
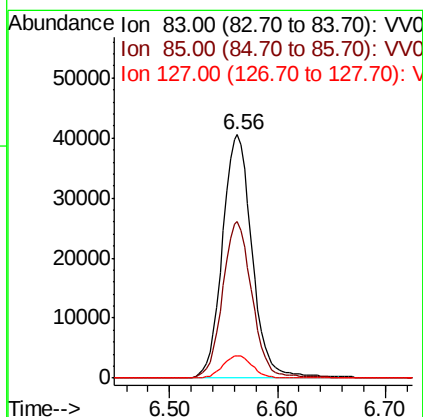
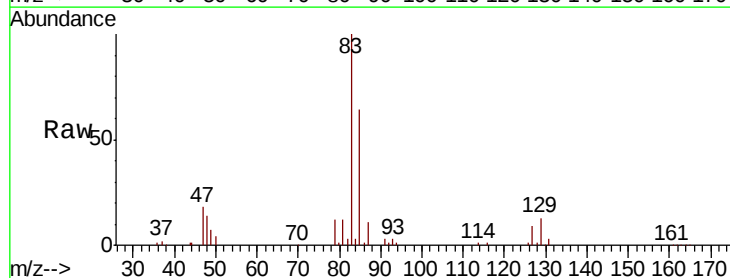
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

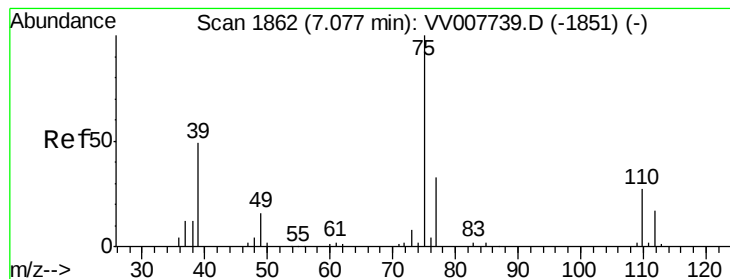
Tgt Ion: 63 Resp: 53725
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.285 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

Tgt Ion: 83 Resp: 77646
 Ion Ratio Lower Upper
 83 100
 85 64.2 46.6 86.6
 127 9.3 8.7 13.1



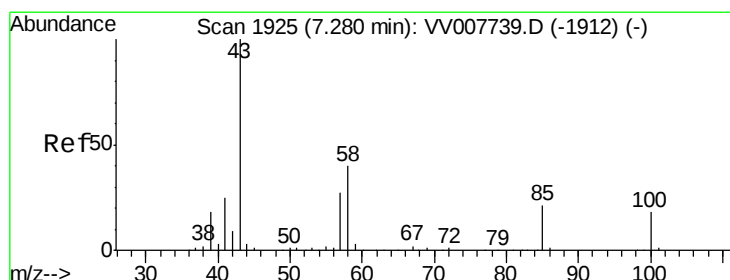
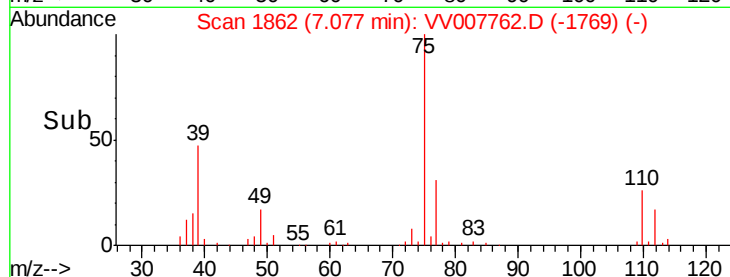
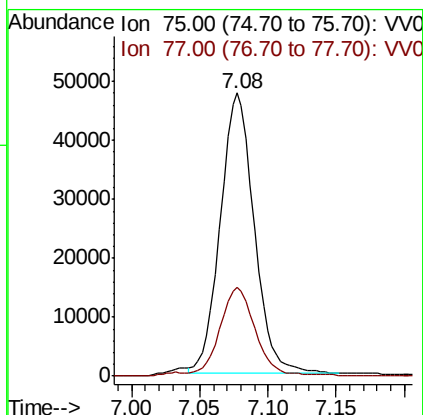
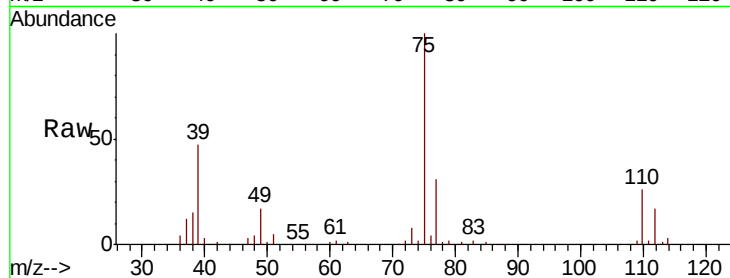


#39

cis-1,3-Dichloropropene
 Concen: 44.557 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

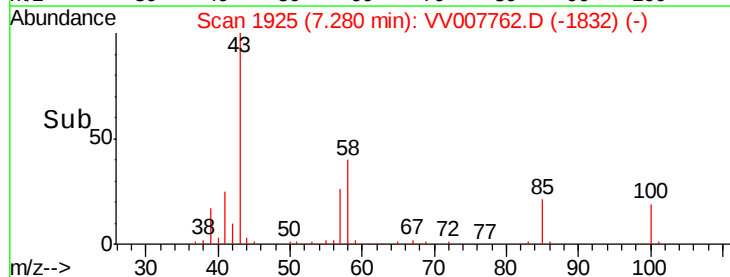
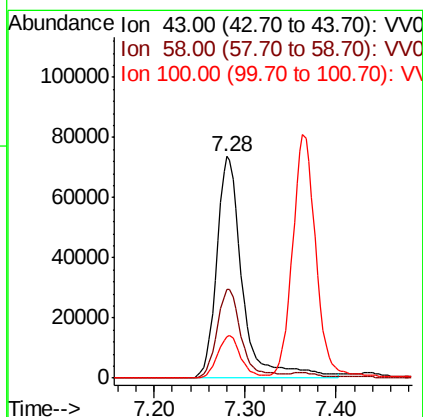
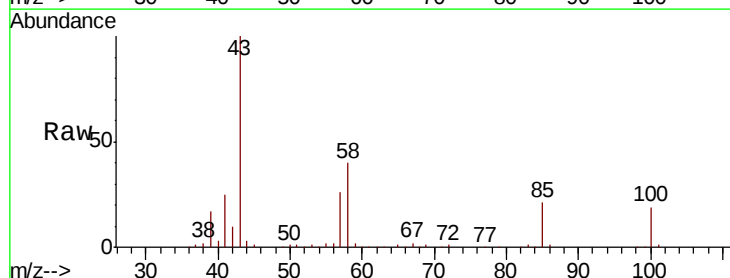
Tgt Ion: 75 Resp: 82081
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8

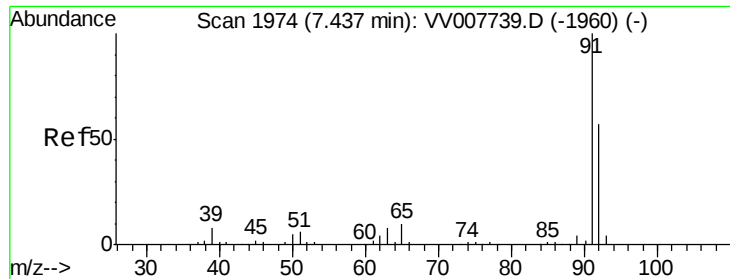


#40

4-Methyl-2-pentanone
 Concen: 95.576 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

Tgt Ion: 43 Resp: 144836
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.5 47.3
 100 17.3 14.7 22.1





#42

Toluene

Concen: 49.437 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

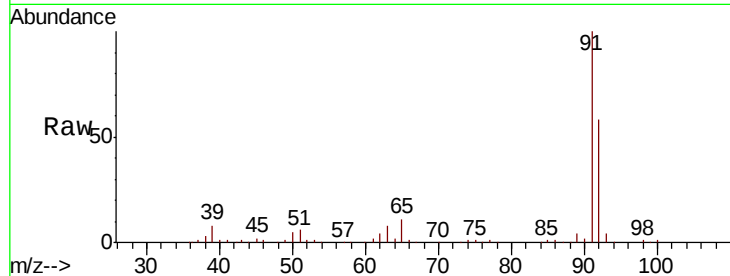
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion: 91 Resp: 266720

Ion Ratio Lower Upper

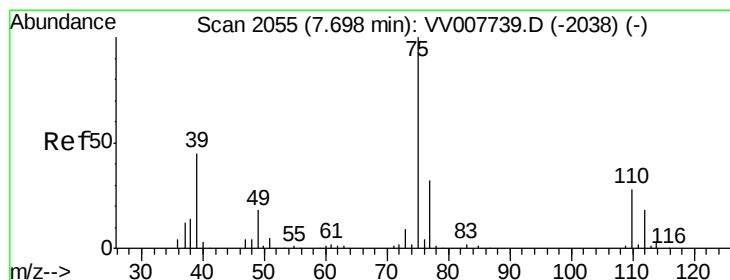
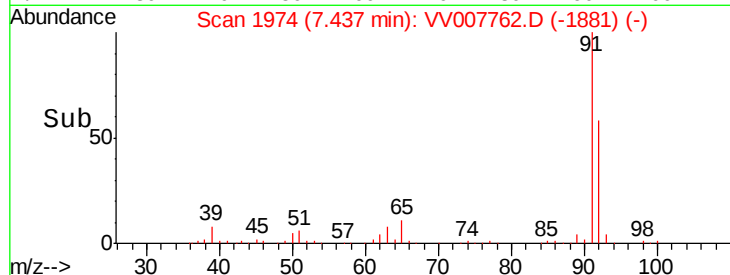
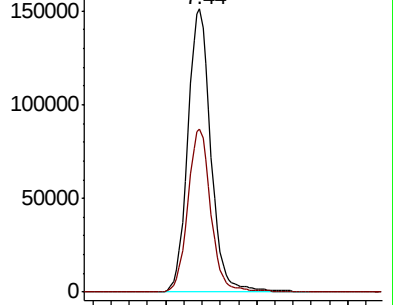
91 100

92 57.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007739.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007739.D (-1960) (-)



#44

trans-1,3-Dichloropropene

Concen: 47.153 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007762.D

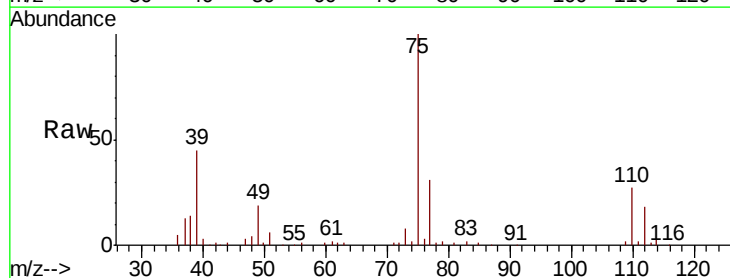
Acq: 23 Sep 2018 03:00

Tgt Ion: 75 Resp: 82471

Ion Ratio Lower Upper

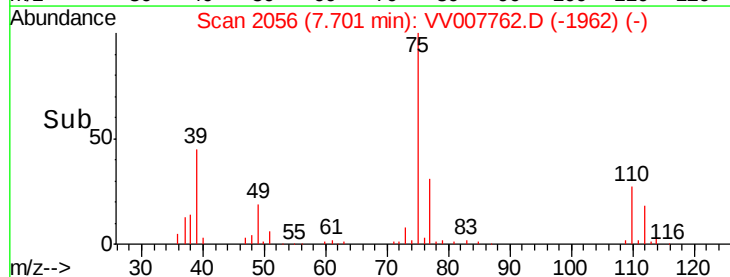
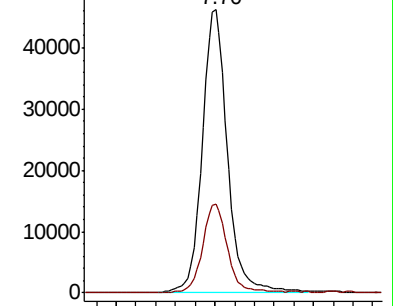
75 100

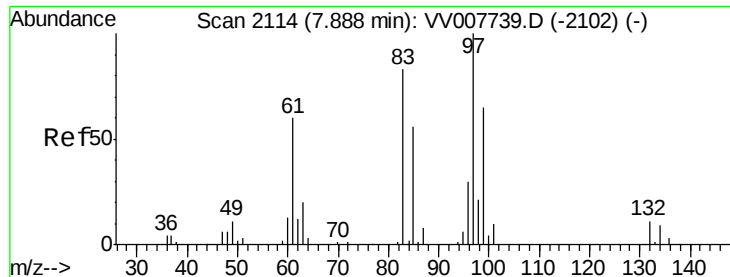
77 31.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007739.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007739.D (-2038) (-)

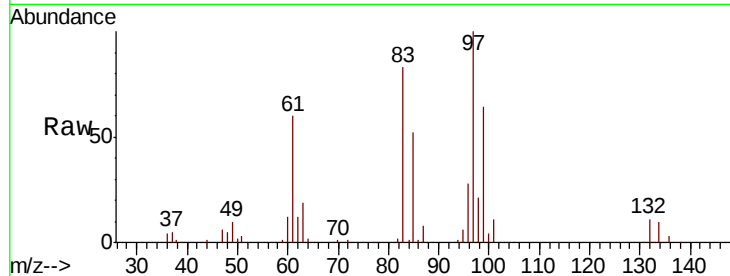




#45
 1,1,2-Trichloroethane
 Concen: 49.398 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

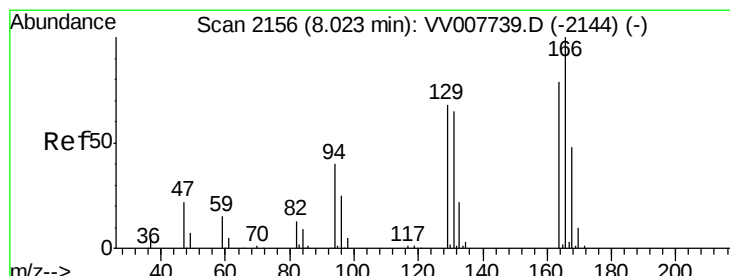
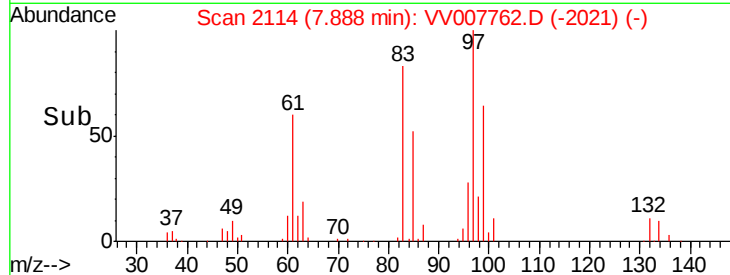
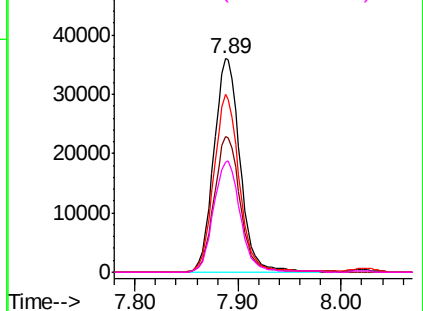
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:	97	Resp:	63612
Ion	Ratio	Lower	Upper
97	100		
99	63.6	45.8	85.2
83	83.2	58.2	108.0
85	51.7	38.0	70.6



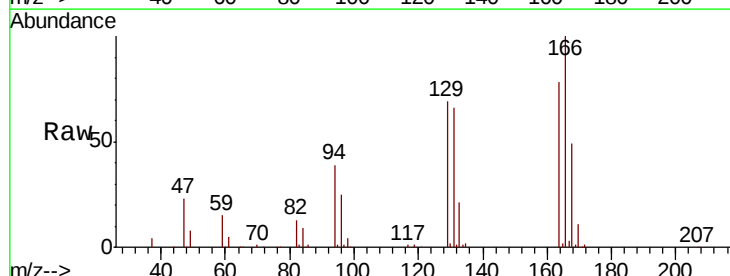
Abundance

Ion 97.00 (96.70 to 97.70): VV007739.D (-2102) (-)



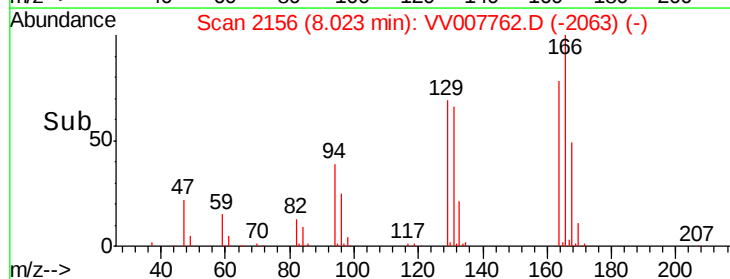
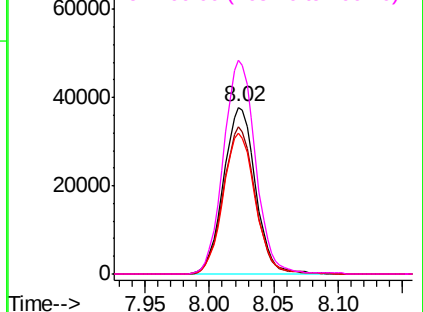
#46
 Tetrachloroethene
 Concen: 47.257 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

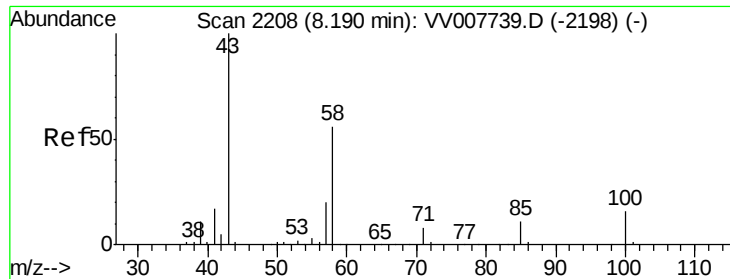
Tgt Ion:	164	Resp:	65105
Ion	Ratio	Lower	Upper
164	100		
129	88.3	61.0	113.4
131	84.4	57.8	107.4
166	128.3	89.9	167.0



Abundance

Ion 164.00 (163.70 to 164.70): VV007739.D (-2144) (-)

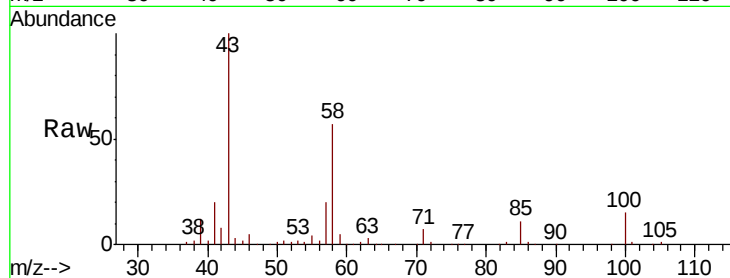




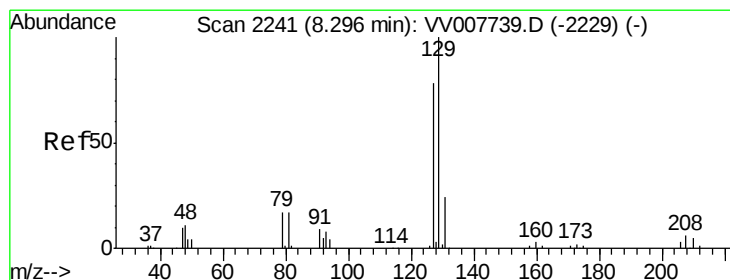
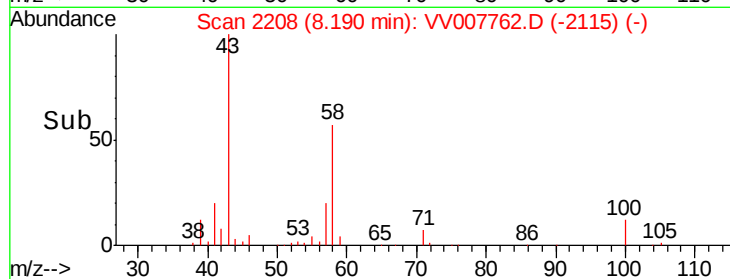
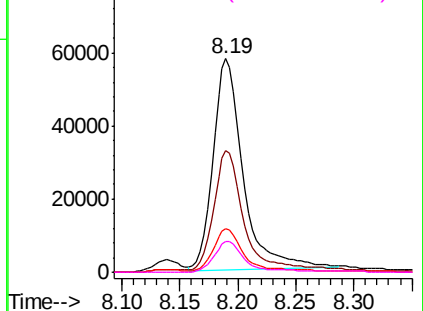
#48
2-Hexanone
Concen: 89.372 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:	43	Resp:	104326
Ion	Ratio	Lower	Upper
43	100		
58	55.1	41.4	62.0
57	19.7	16.0	24.0
100	14.3	11.9	17.9

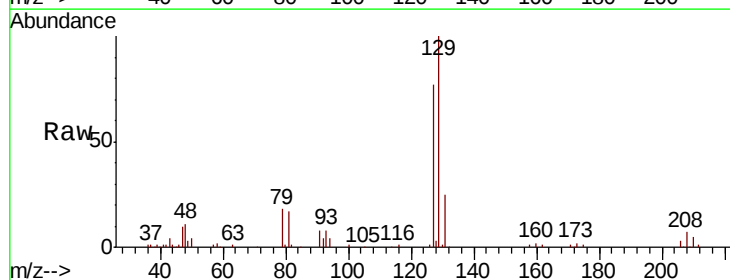


Abundance Ion 43.00 (42.70 to 43.70): VV007739.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV007739.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV007739.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV007739.D (-2198) (-)

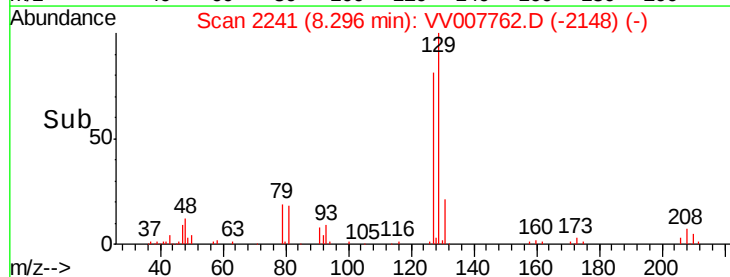
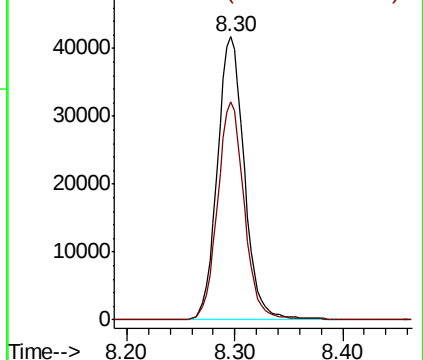


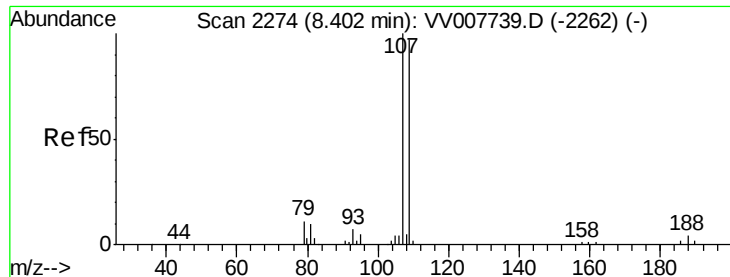
#49
Dibromochloromethane
Concen: 49.650 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Tgt Ion:	129	Resp:	72547
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.0	100.2



Abundance Ion 129.00 (128.70 to 129.70): VV007739.D (-2229) (-)
Ion 127.00 (126.70 to 127.70): VV007739.D (-2229) (-)

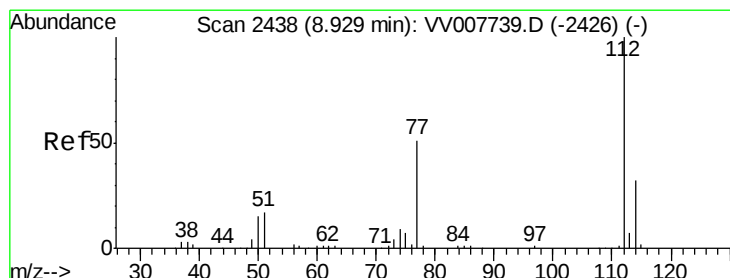
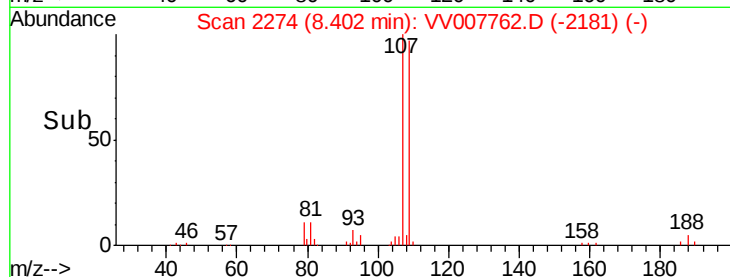
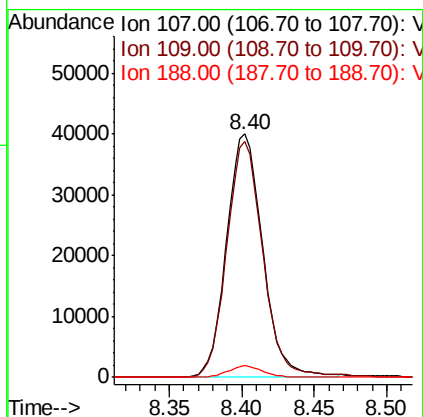
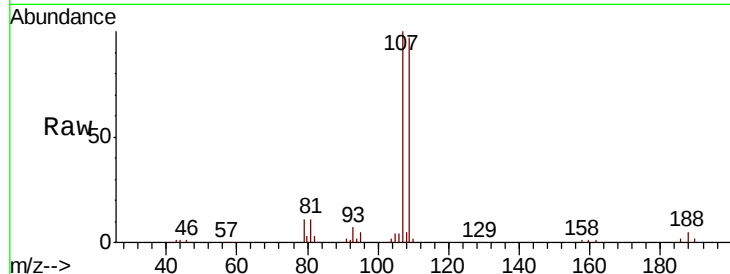




#50
1,2-Dibromoethane
Concen: 48.004 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

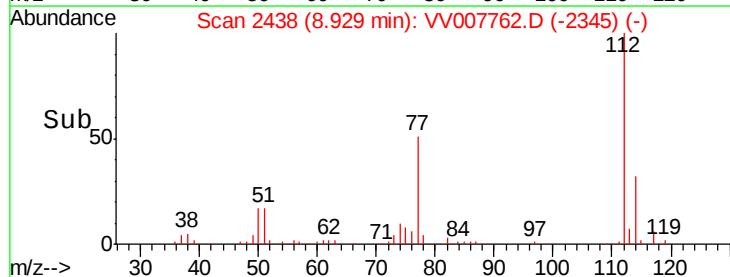
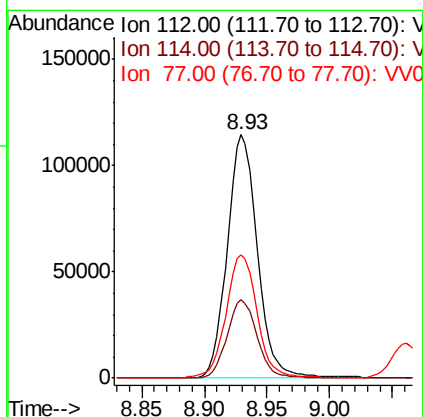
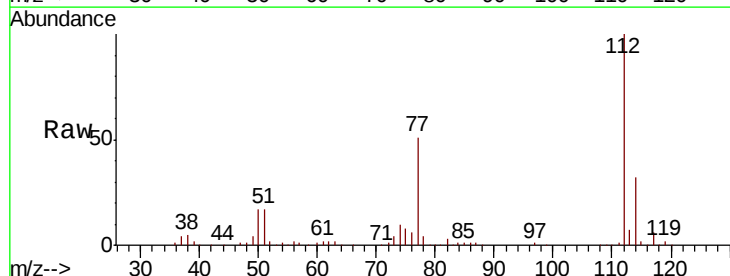
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

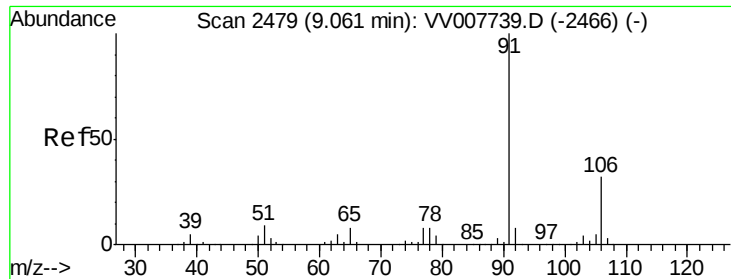
Tgt Ion:107 Resp: 69398
Ion Ratio Lower Upper
107 100
109 96.8 66.4 123.2
188 4.8 3.5 5.3



#51
Chlorobenzene
Concen: 49.277 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Tgt Ion:112 Resp: 191500
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 50.8 40.6 60.8





#52

Ethylbenzene

Concen: 49.192 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

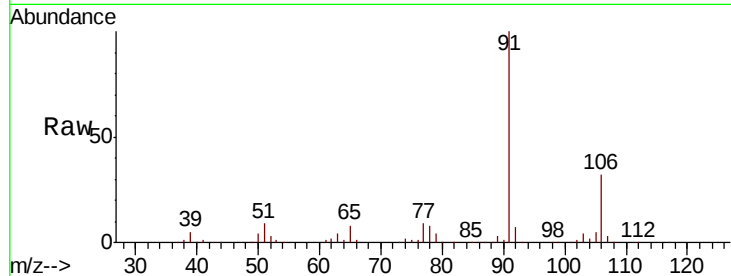
VSTD05070

Tgt Ion: 91 Resp: 300036

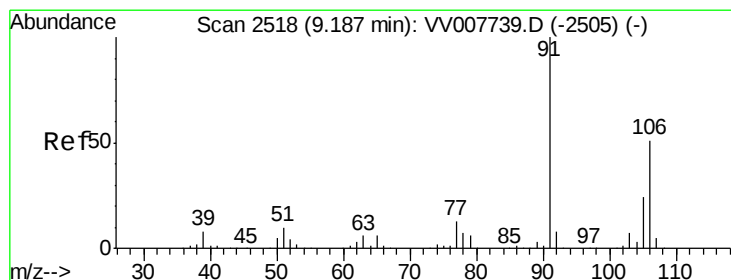
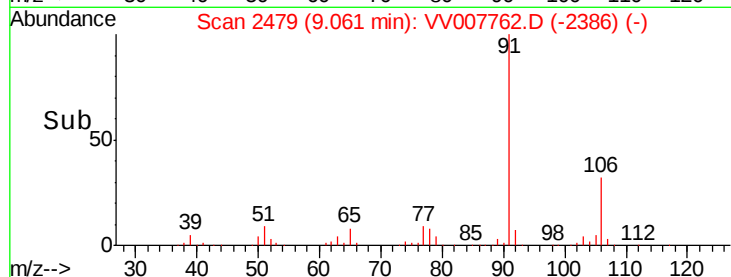
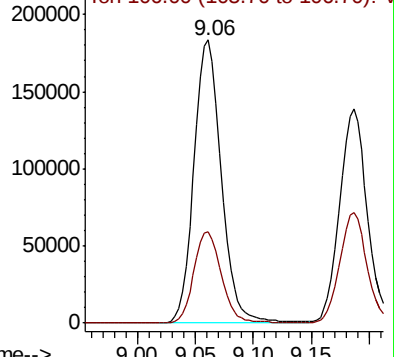
Ion Ratio Lower Upper

91 100

106 32.1 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007739.D (-2466) (-)



#53

m,p-Xylene

Concen: 48.307 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007762.D

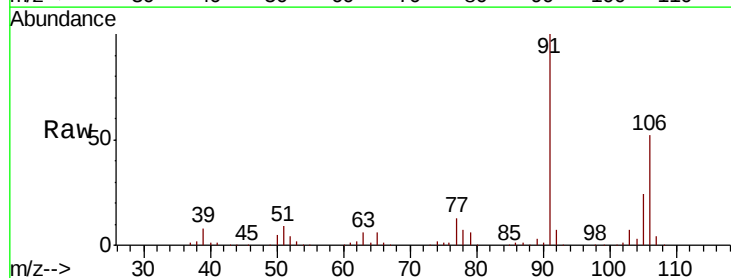
Acq: 23 Sep 2018 03:00

Tgt Ion: 106 Resp: 117909

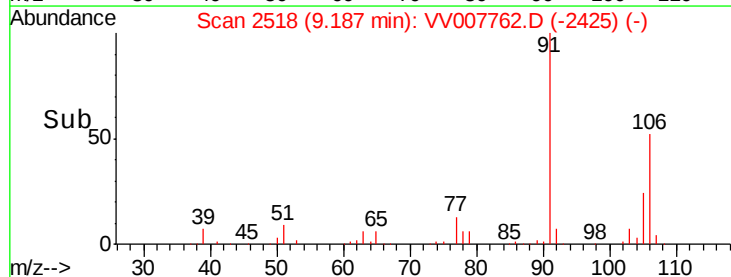
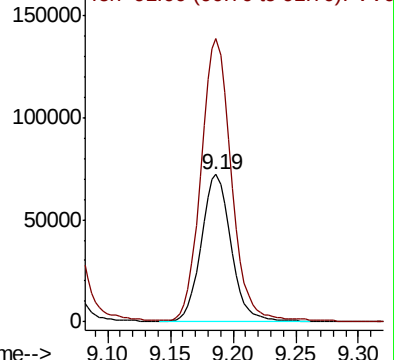
Ion Ratio Lower Upper

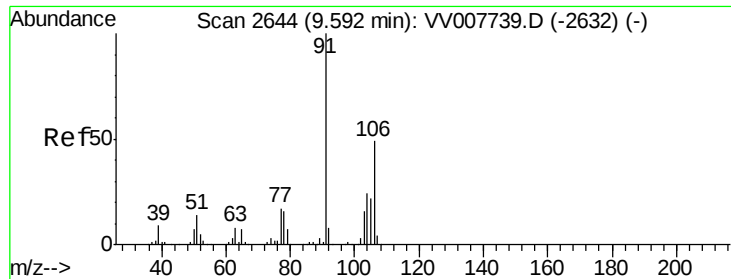
106 100

91 192.2 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007739.D (-2505) (-)

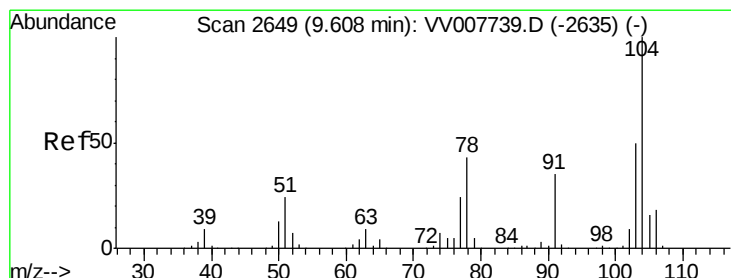
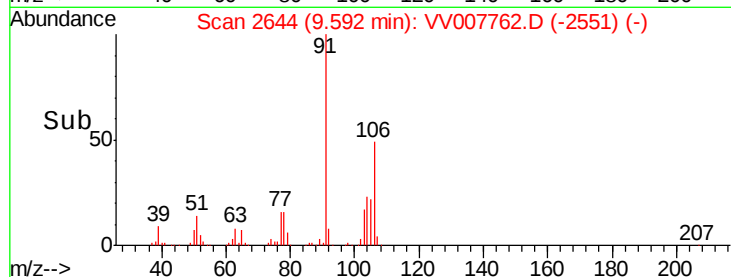
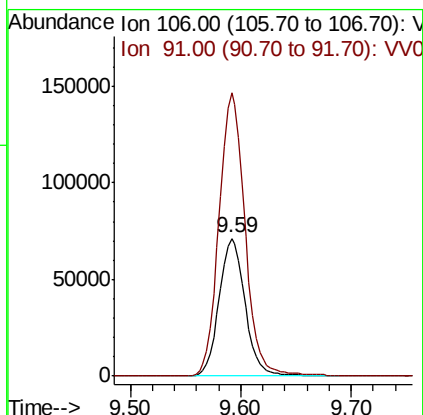
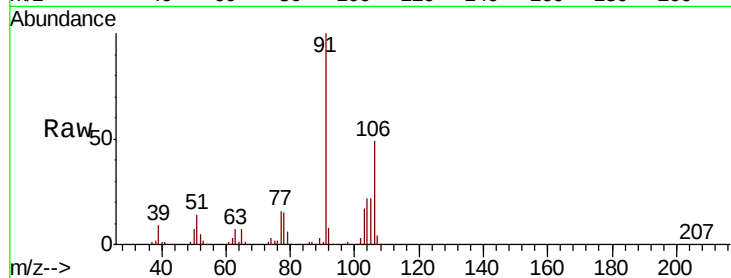




#54
o-xylene
Concen: 49.049 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

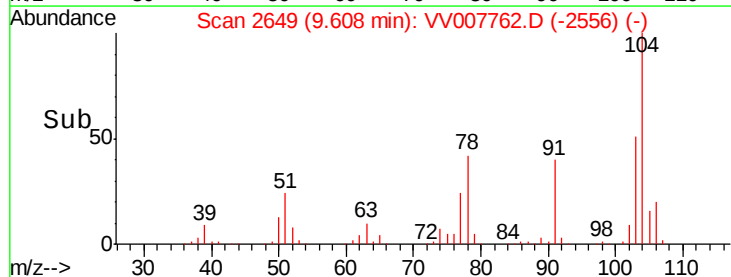
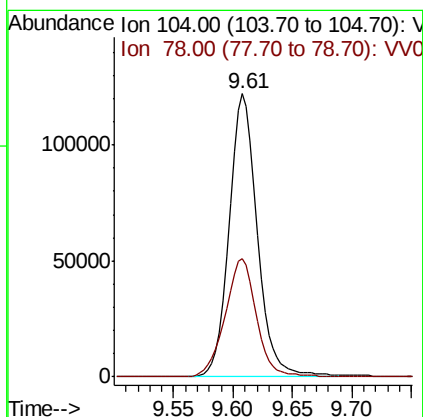
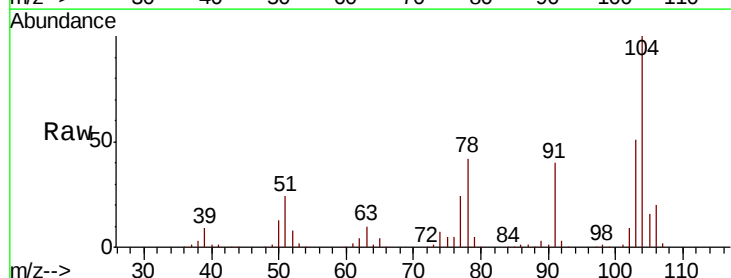
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

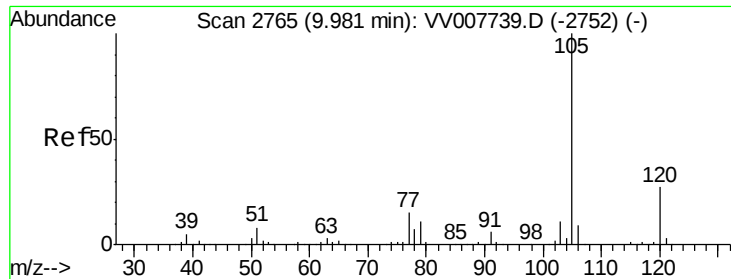
Tgt Ion:106 Resp: 116788
Ion Ratio Lower Upper
106 100
91 205.8 145.5 270.3



#55
Styrene
Concen: 49.362 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007762.D
Acq: 23 Sep 2018 03:00

Tgt Ion:104 Resp: 200516
Ion Ratio Lower Upper
104 100
78 41.9 29.1 54.1





#56

Isopropylbenzene

Concen: 49.023 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

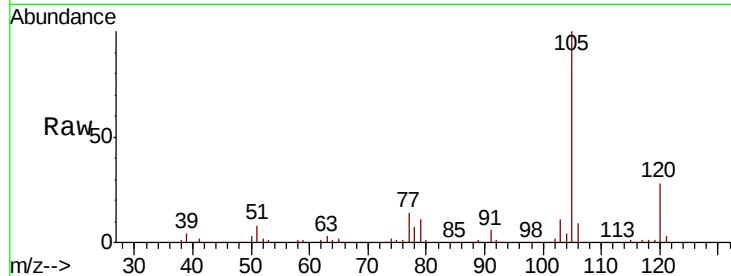
Tgt Ion: 105 Resp: 314752

Ion Ratio Lower Upper

105 100

120 27.5 22.0 33.0

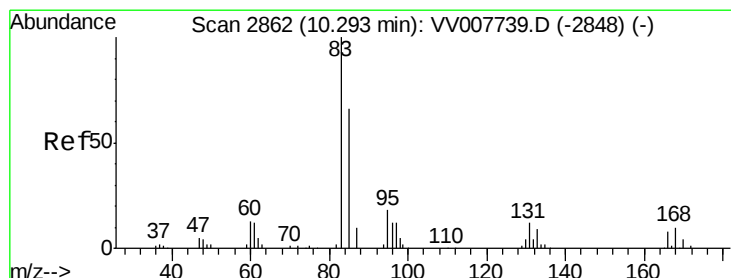
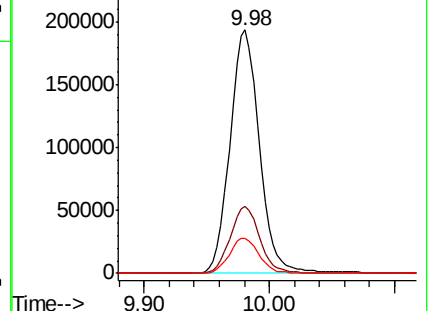
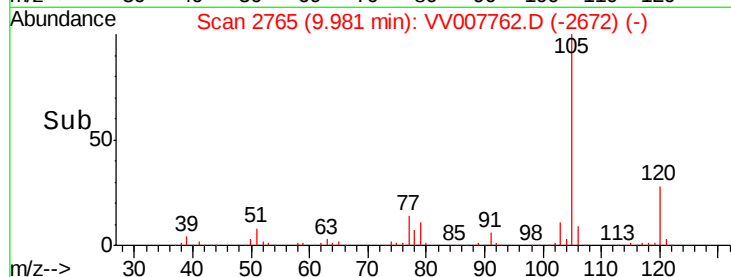
77 14.6 12.1 18.1



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: 49.545 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

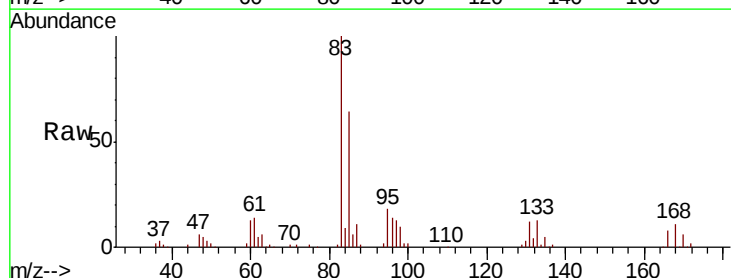
Tgt Ion: 83 Resp: 101519

Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.4

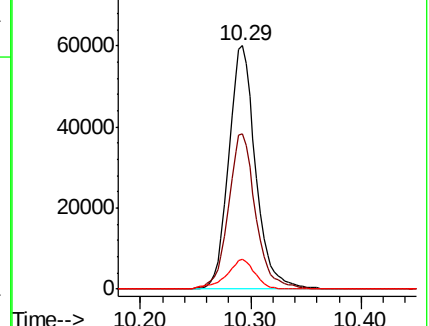
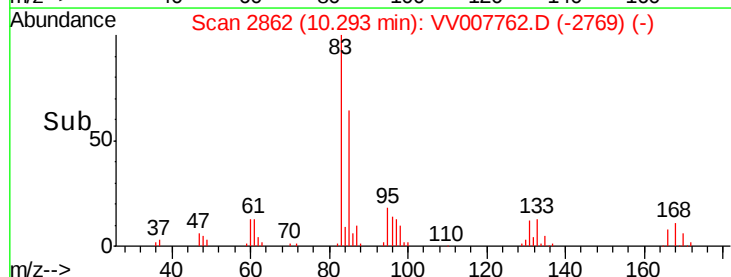
131 12.1 9.8 14.8

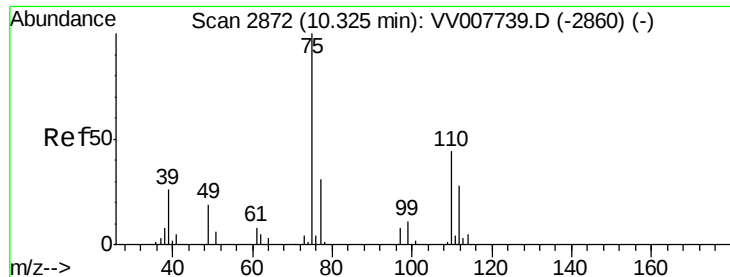


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.259 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

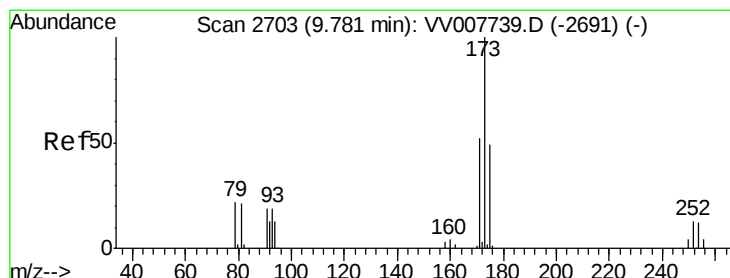
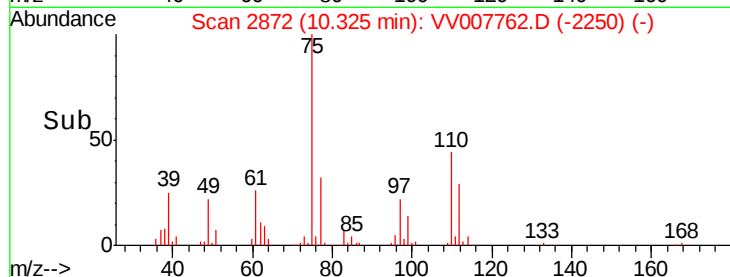
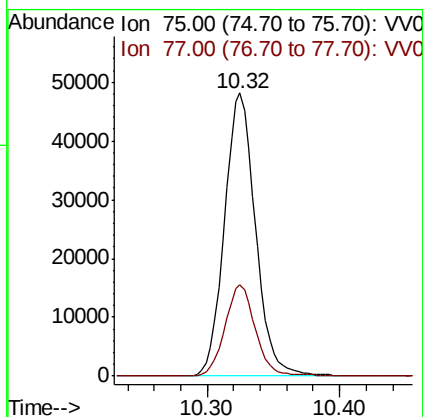
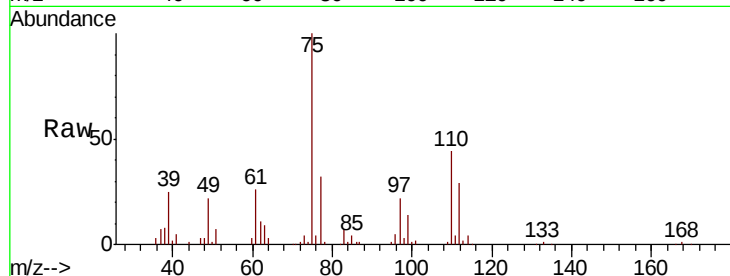
VSTD05070

Tgt Ion: 75 Resp: 78204

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#61

Bromoform

Concen: 47.412 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

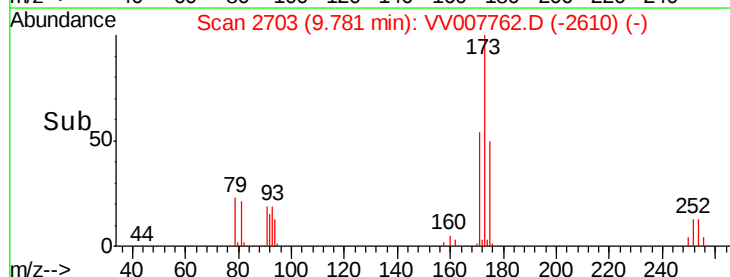
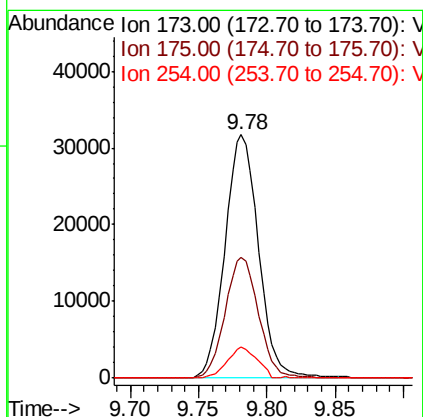
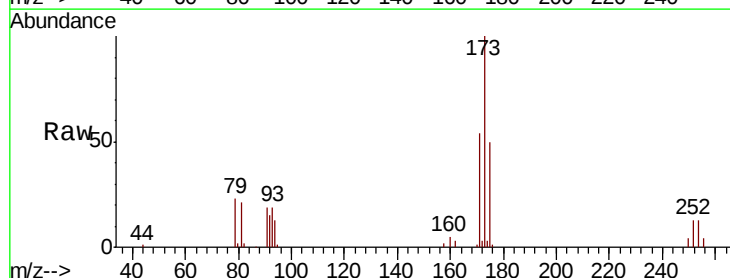
Tgt Ion: 173 Resp: 54179

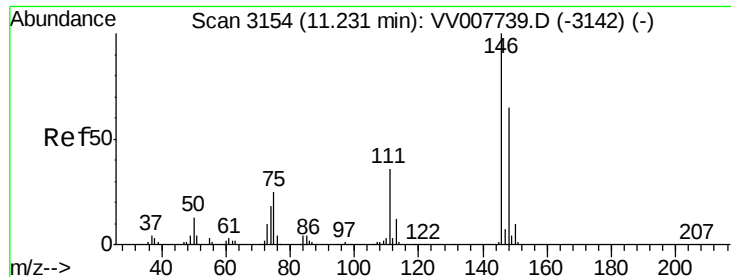
Ion Ratio Lower Upper

173 100

175 49.3 38.7 58.1

254 11.3 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 46.975 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

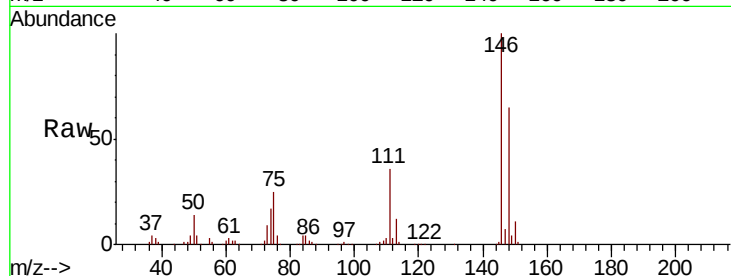
Tgt Ion:146 Resp: 163576

Ion Ratio Lower Upper

146 100

111 36.0 25.1 46.7

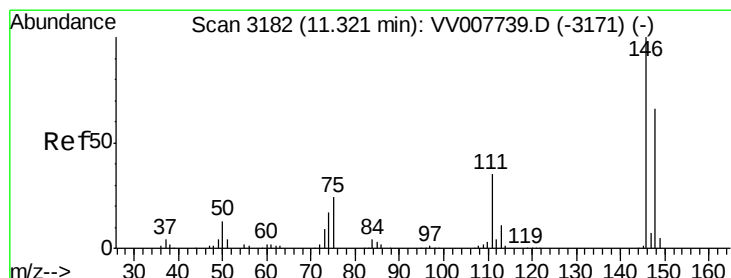
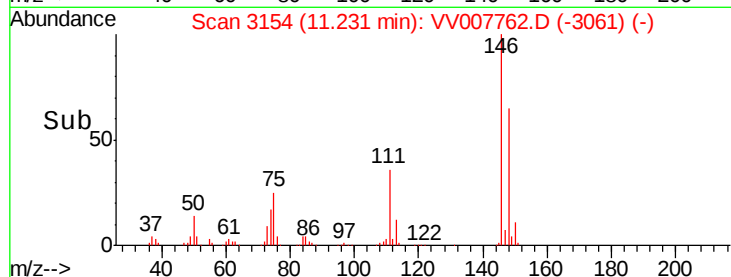
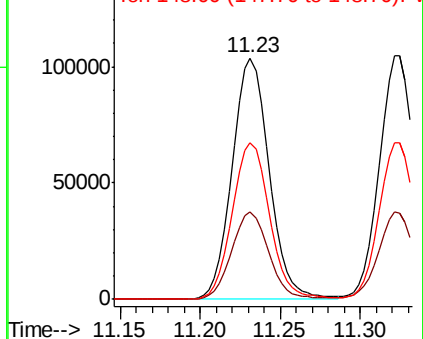
148 64.9 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 46.966 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

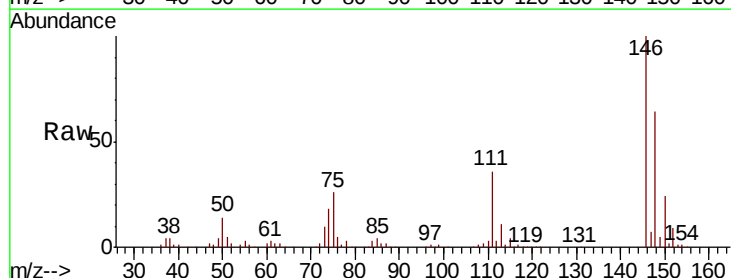
Tgt Ion:146 Resp: 169634

Ion Ratio Lower Upper

146 100

111 35.8 24.4 45.4

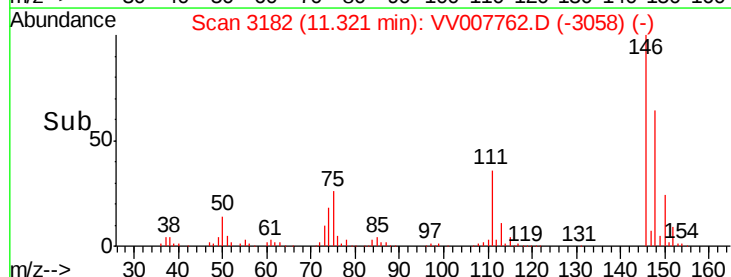
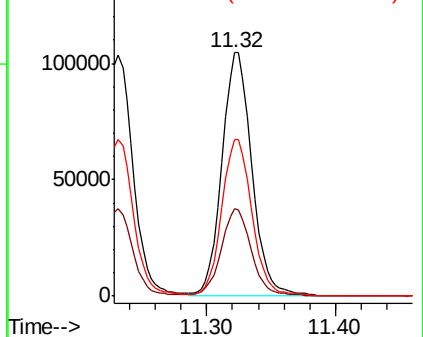
148 64.3 45.1 83.7

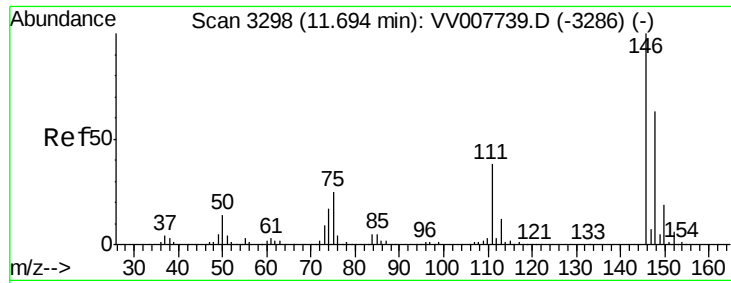


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.702 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

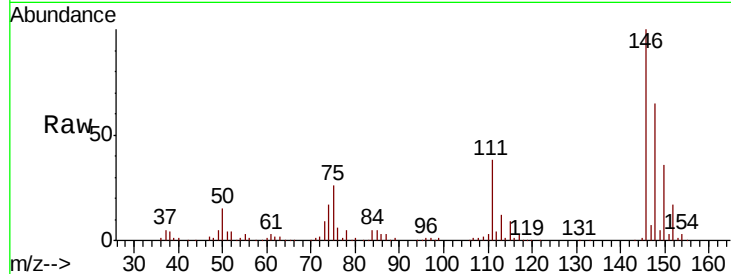
Tgt Ion:146 Resp: 171477

Ion Ratio Lower Upper

146 100

111 37.7 29.8 44.8

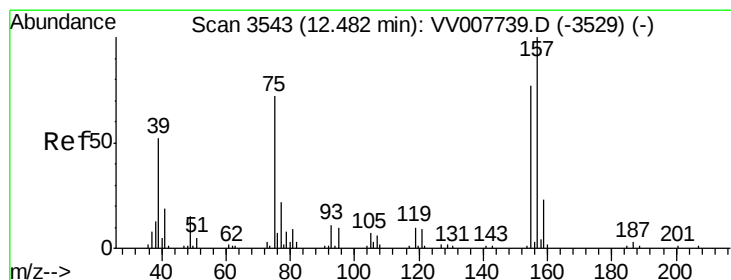
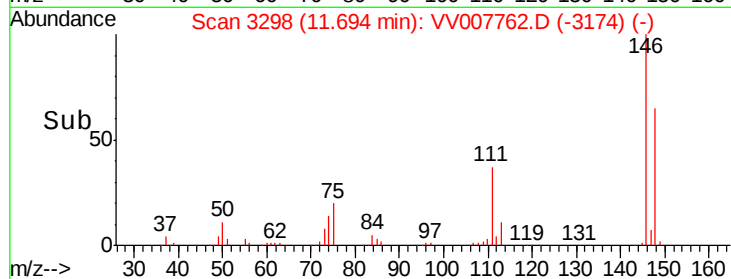
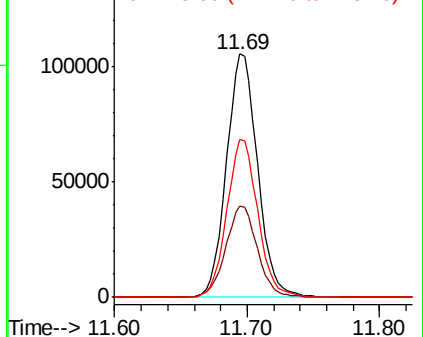
148 64.8 50.8 76.2



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: 45.147 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

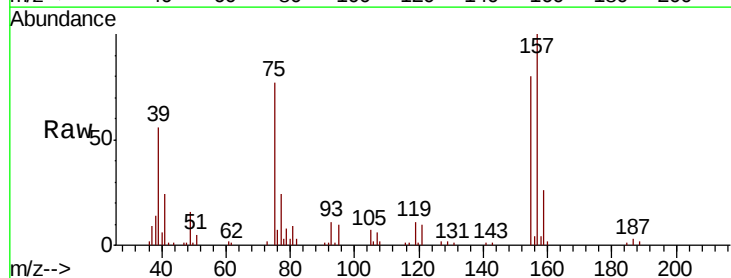
Tgt Ion: 75 Resp: 19224

Ion Ratio Lower Upper

75 100

155 103.2 86.0 129.0

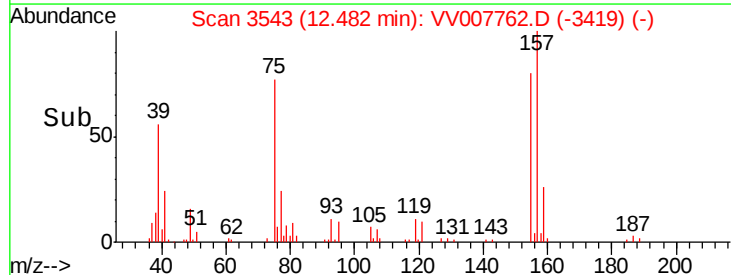
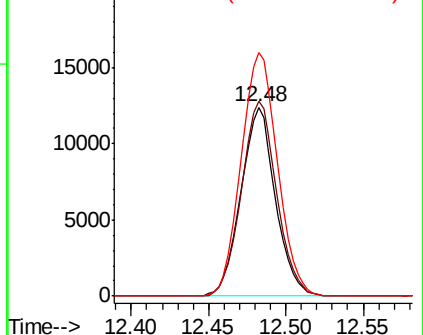
157 129.1 111.5 167.3

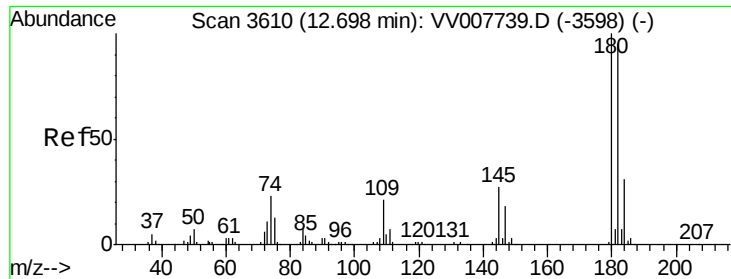


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

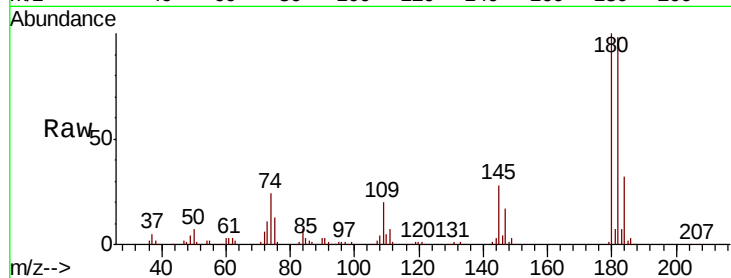




#67
 1,3,5-Trichlorobenzene
 Concen: 45.634 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.6	116.4
184	30.9	24.7	37.1
145	27.6	21.8	32.8



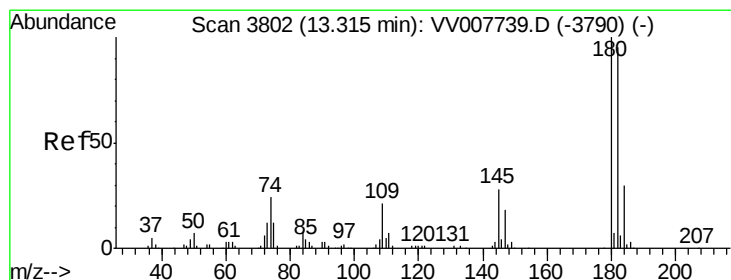
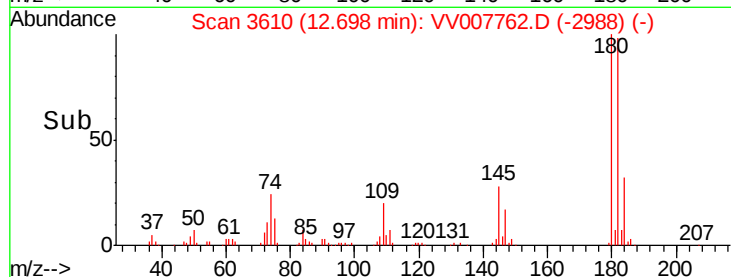
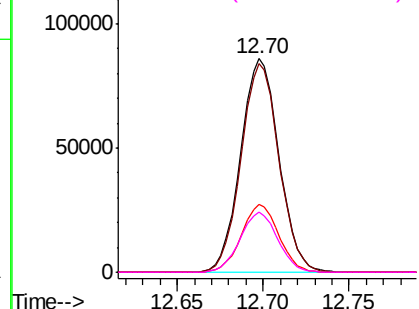
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

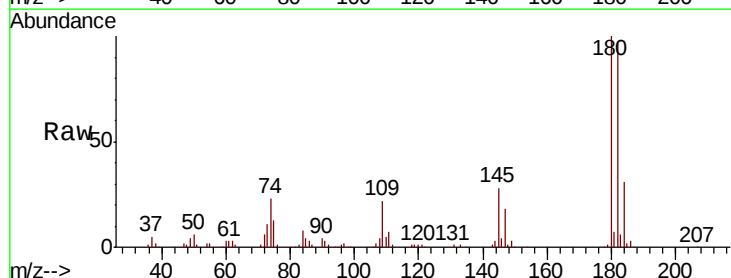
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.935 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007762.D
 Acq: 23 Sep 2018 03:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.6
145	27.3	22.2	33.2

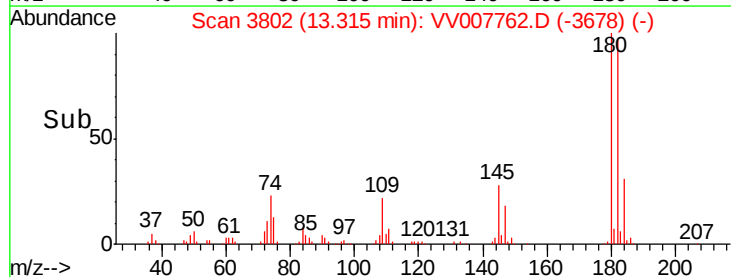
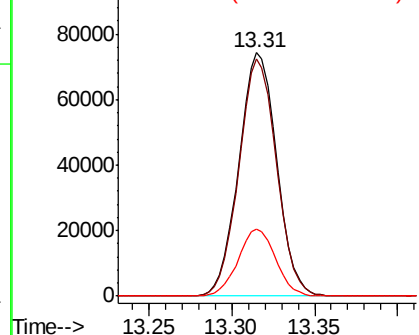


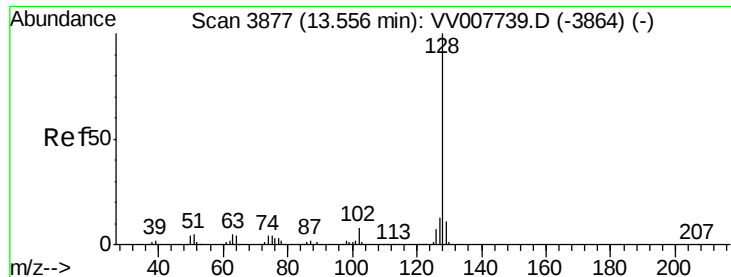
Abundance

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: 45.193 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

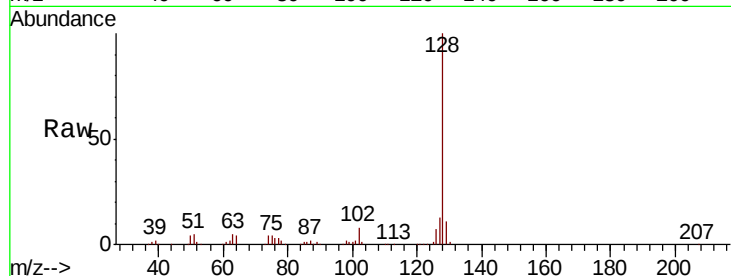
Tgt Ion:128 Resp: 304129

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

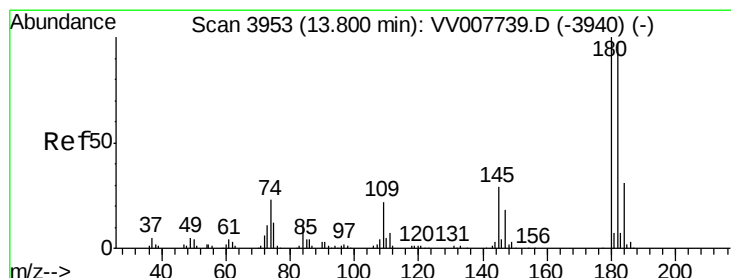
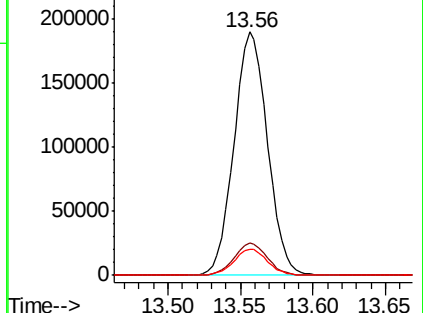
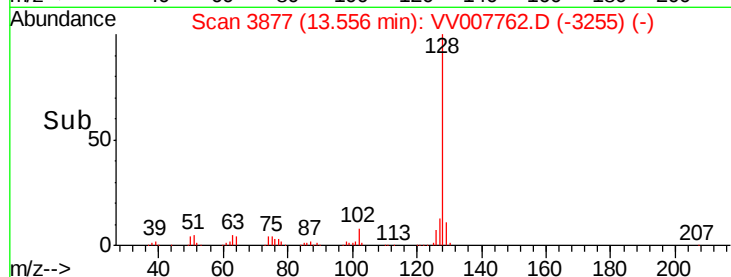
129 10.8 8.6 13.0



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: 45.183 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007762.D

Acq: 23 Sep 2018 03:00

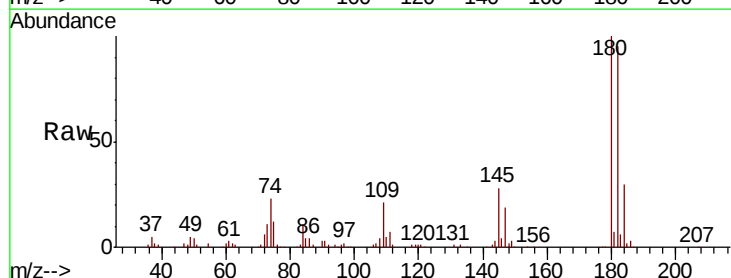
Tgt Ion:180 Resp: 119869

Ion Ratio Lower Upper

180 100

182 96.5 77.4 116.2

145 28.9 23.3 34.9



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

