

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007802.D
 Acq On : 23 Sep 2018 20:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Sep 24 07:23:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 07:19:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	176706	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175686	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100150	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42415	44.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.32%
7) Chloroethane-d5	1.59	69	43597	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.90%
11) 1,1-Dichloroethene-d2	2.14	63	111189	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.22%
21) 2-Butanone-d5	3.95	46	60574	95.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.50%
24) Chloroform-d	4.41	84	99421	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
26) 1,2-Dichloroethane-d4	5.09	65	65215	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
32) Benzene-d6	5.11	84	191067	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
36) 1,2-Dichloropropane-d6	6.13	67	56204	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.26%
41) Toluene-d8	7.36	98	204222	48.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	27874	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
47) 2-Hexanone-d5	8.14	63	46855	89.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	90619	48.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.36%
64) 1,2-Dichlorobenzene-d4	11.68	152	97202	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	60163	49.037	ug/L 98
3) Chloromethane	1.26	50	44388	45.014	ug/L 99
5) Vinyl chloride	1.33	62	54048	47.318	ug/L 99
6) Bromomethane	1.54	94	20809	23.290	ug/L 98
8) Chloroethane	1.60	64	37222	48.739	ug/L 97
9) Trichlorofluoromethane	1.78	101	116007	49.250	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	66710	49.933	ug/L 99
12) 1,1-Dichloroethene	2.15	96	59265	50.566	ug/L 99
13) Acetone	2.19	43	51059	76.277	ug/L 99
14) Carbon disulfide	2.33	76	141125	45.454	ug/L 99
15) Methyl Acetate	2.46	43	57250	48.317	ug/L 99
16) Methylene chloride	2.54	84	64219	49.958	ug/L 98
17) trans-1,2-Dichloroethene	2.80	96	64280	48.616	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	193143	49.501	ug/L 100
19) 1,1-Dichloroethane	3.24	63	81495	48.784	ug/L 100
20) cis-1,2-Dichloroethene	3.97	96	57466	48.460	ug/L 99
22) 2-Butanone	4.04	43	61885	85.407	ug/L 99

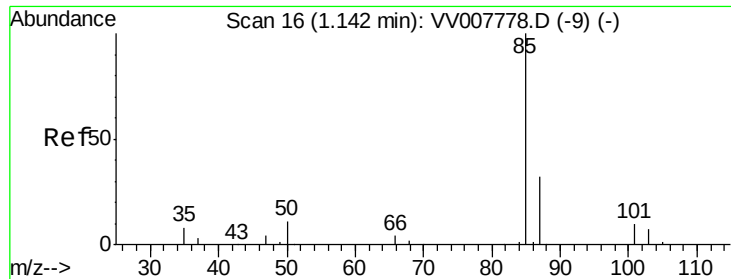
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	32811	49.926	ug/L	96
25) Chloroform	4.44	83	99590	50.290	ug/L	94
27) 1,2-Dichloroethane	5.19	62	78380	48.795	ug/L	99
29) Cyclohexane	4.73	56	71369	46.453	ug/L	98
30) 1,1,1-Trichloroethane	4.67	97	89414	47.556	ug/L	99
31) Carbon tetrachloride	4.88	117	81270	46.784	ug/L	99
33) Benzene	5.15	78	204083	48.496	ug/L	100
34) Trichloroethene	5.96	95	58665	47.137	ug/L	100
35) Methylcyclohexane	6.18	83	88928	46.651	ug/L	99
37) 1,2-Dichloropropane	6.23	63	47735	45.053	ug/L	99
38) Bromodichloromethane	6.56	83	69159	47.478	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	78980	46.370	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	131556	93.893	ug/L	97
42) Toluene	7.44	91	243152	48.745	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	75381	46.614	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	58166	48.853	ug/L	96
46) Tetrachloroethene	8.02	164	60212	47.270	ug/L	99
48) 2-Hexanone	8.19	43	96858	89.742	ug/L	94
49) Dibromochloromethane	8.30	129	65011	48.121	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63959	47.850	ug/L	98
51) Chlorobenzene	8.93	112	173124	48.181	ug/L	99
52) Ethylbenzene	9.06	91	275482	48.850	ug/L	100
53) m,p-Xylene	9.19	106	108504	48.080	ug/L	98
54) o-xylene	9.59	106	106905	48.561	ug/L	99
55) Styrene	9.61	104	183160	48.767	ug/L	99
56) Isopropylbenzene	9.98	105	286936	48.335	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	91850	48.482	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	70464	47.030	ug/L	98
61) Bromoform	9.78	173	49236	47.247	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	151376	47.670	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	154996	47.058	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	155117	48.310	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	17535	45.158	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	122498	45.932	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	105691	44.157	ug/L	99
69) Naphthalene	13.56	128	270253	44.038	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	108756	44.953	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.037 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

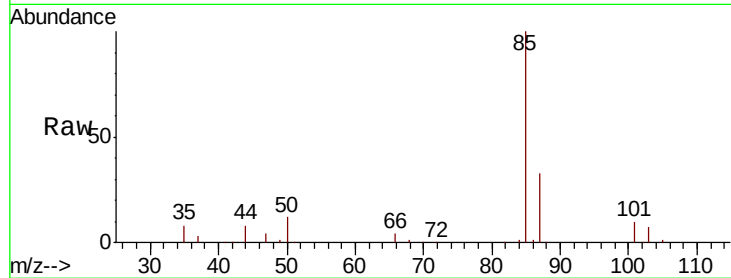
VSTD05072

Tgt Ion: 85 Resp: 60163

Ion Ratio Lower Upper

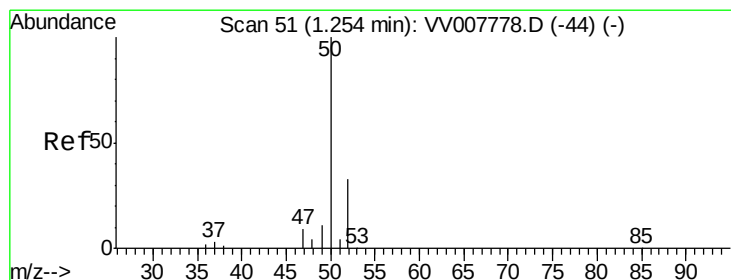
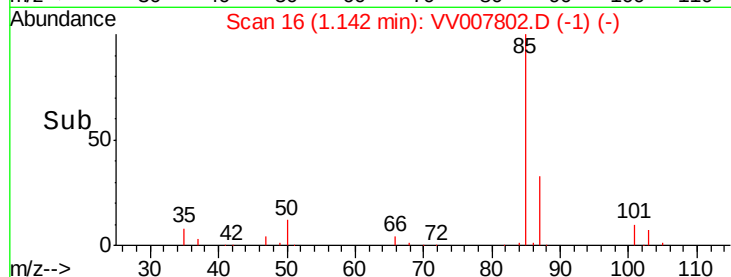
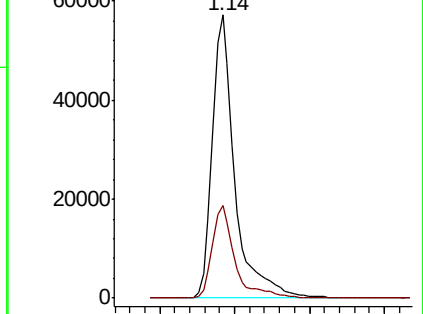
85 100

87 32.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV007778.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007778.D (-9) (-)



#3

Chloromethane

Concen: 45.014 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007802.D

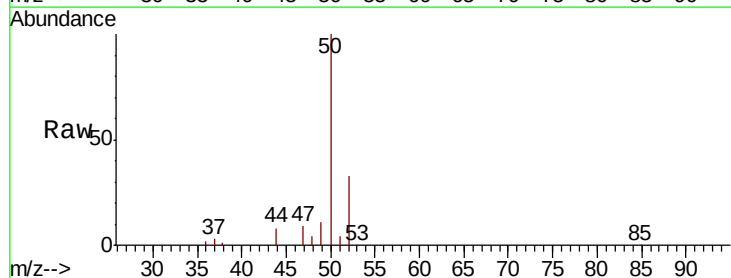
Acq: 23 Sep 2018 20:56

Tgt Ion: 50 Resp: 44388

Ion Ratio Lower Upper

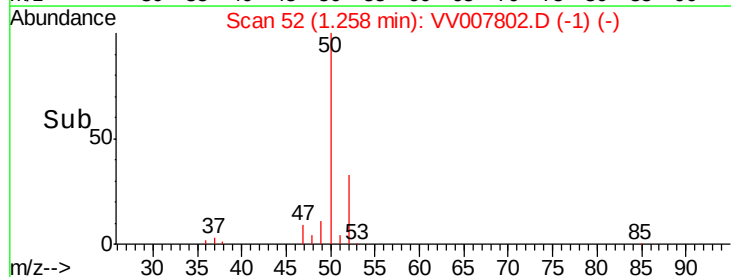
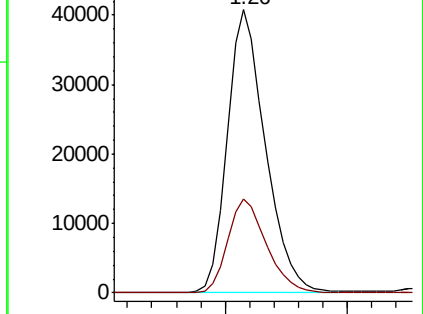
50 100

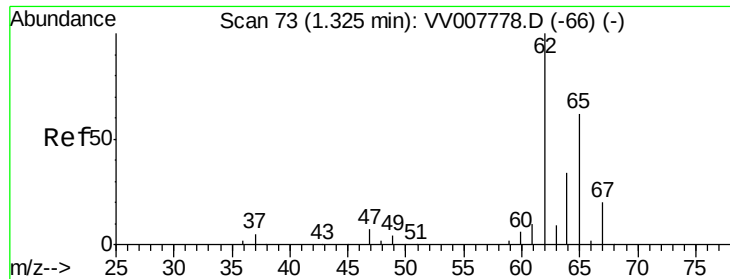
52 33.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007778.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007778.D (-44) (-)





#5

Vinyl chloride

Concen: 47.318 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

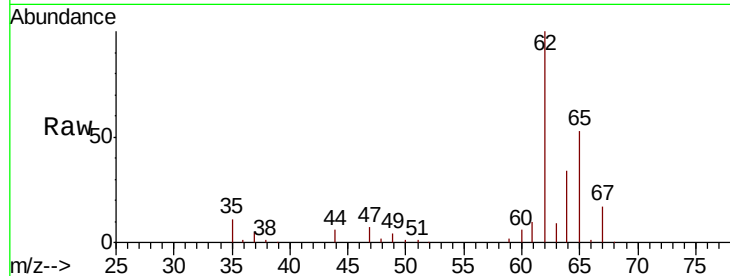
VSTD05072

Tgt Ion: 62 Resp: 54048

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV007778.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007778.D (-66) (-)

60000

50000

40000

30000

20000

10000

0

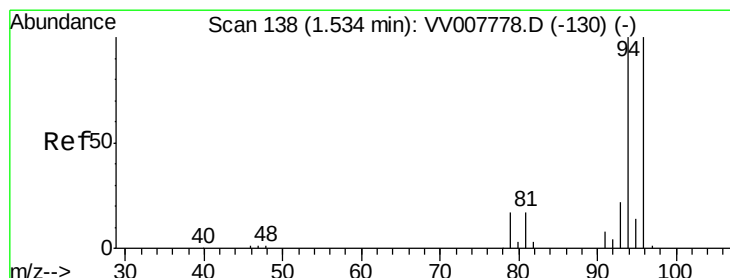
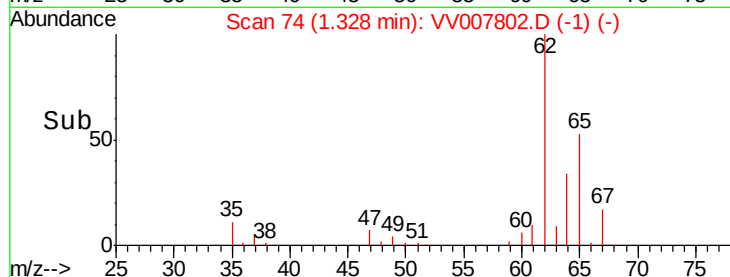
1.33

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 23.290 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007802.D

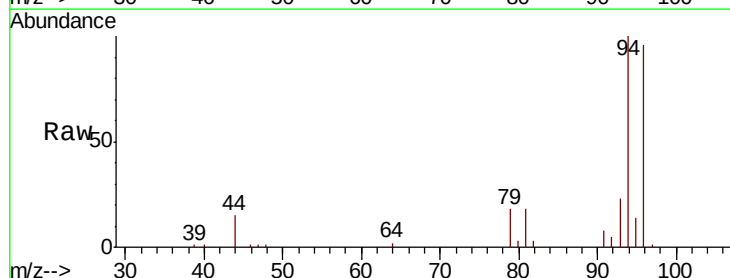
Acq: 23 Sep 2018 20:56

Tgt Ion: 94 Resp: 20809

Ion Ratio Lower Upper

94 100

96 95.5 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV007778.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007778.D (-130) (-)

20000

15000

10000

5000

0

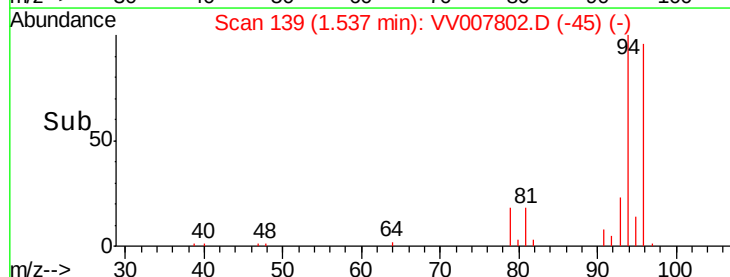
1.54

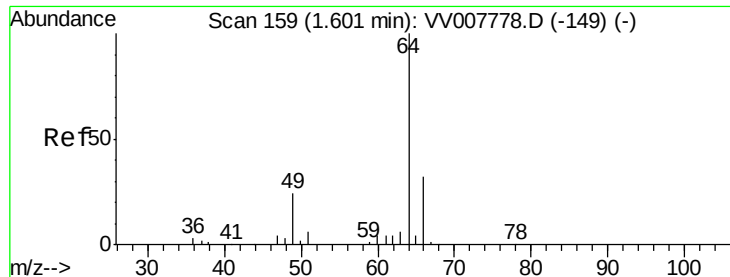
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 48.739 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

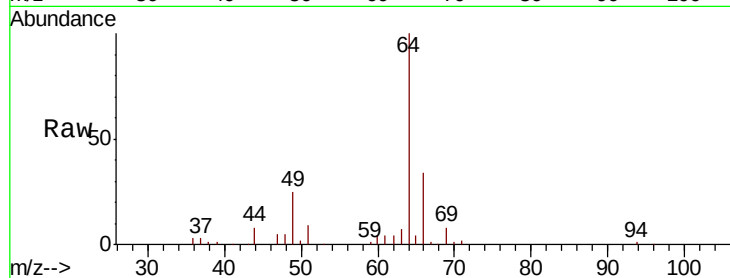
VSTD05072

Tgt Ion: 64 Resp: 37222

Ion Ratio Lower Upper

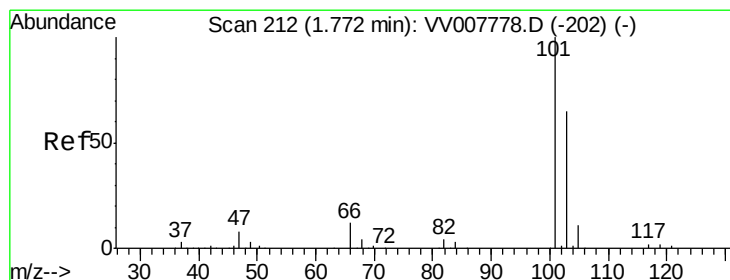
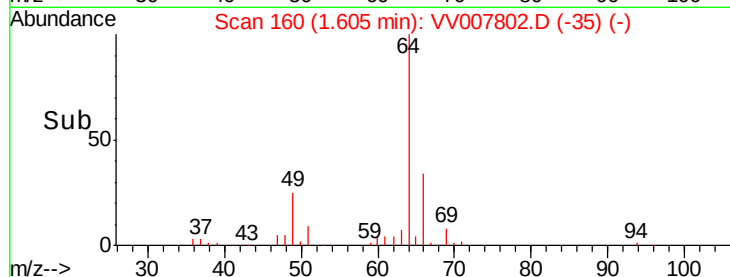
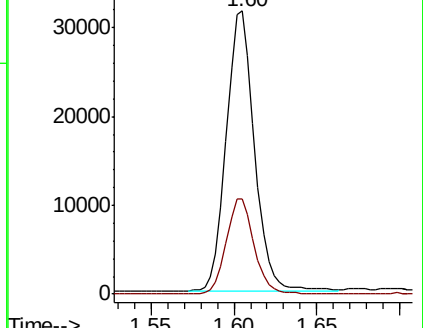
64 100

66 33.8 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV007778.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV007778.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 49.250 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007802.D

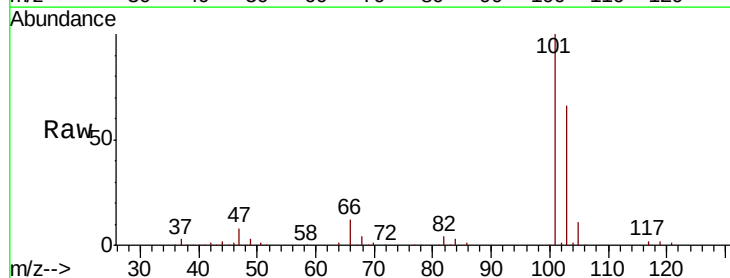
Acq: 23 Sep 2018 20:56

Tgt Ion: 101 Resp: 116007

Ion Ratio Lower Upper

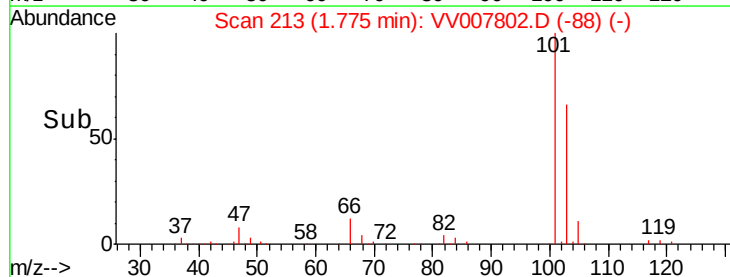
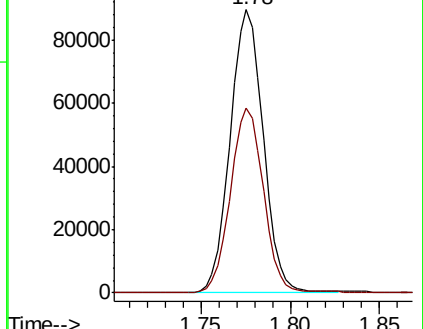
101 100

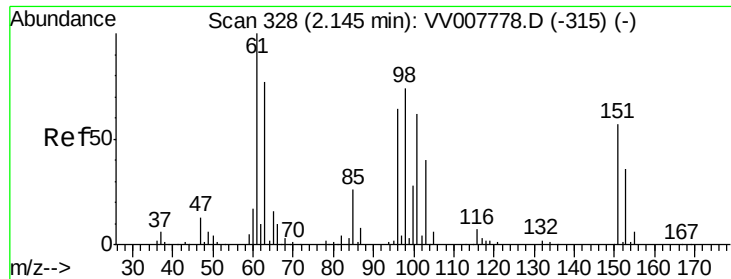
103 65.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV007778.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007778.D (-202) (-)





#10

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

Concen: 49.933 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

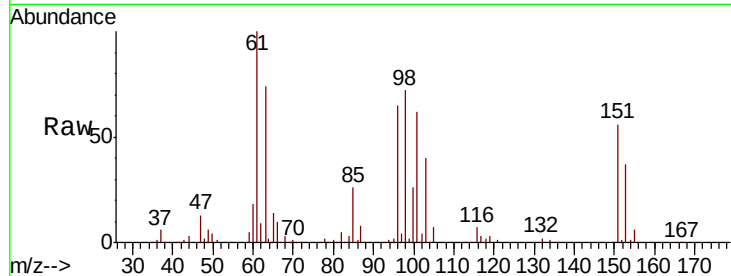
Tgt Ion:101 Resp: 66710

Ion Ratio Lower Upper

101 100

85 42.1 32.7 49.1

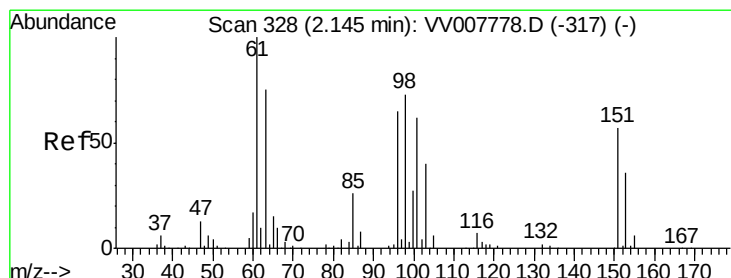
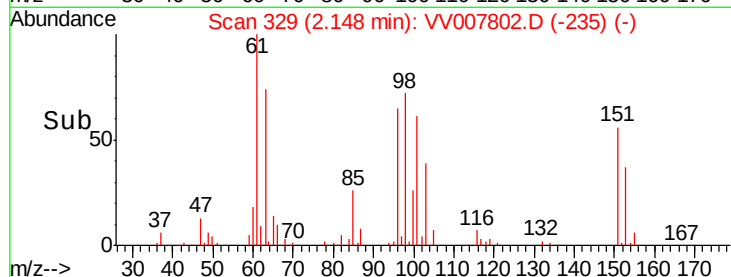
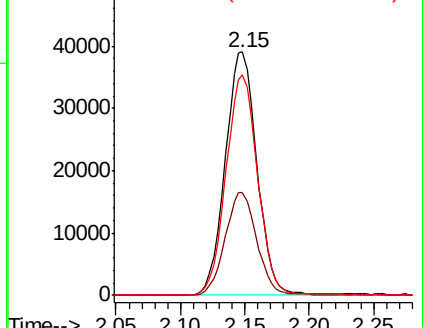
151 89.8 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007778.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV007778.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV007778.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 50.566 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

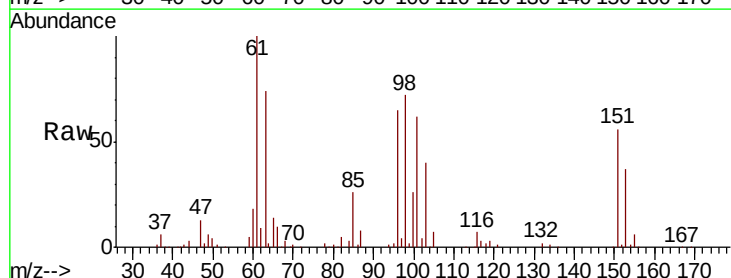
Tgt Ion: 96 Resp: 59265

Ion Ratio Lower Upper

96 100

61 153.6 107.3 199.3

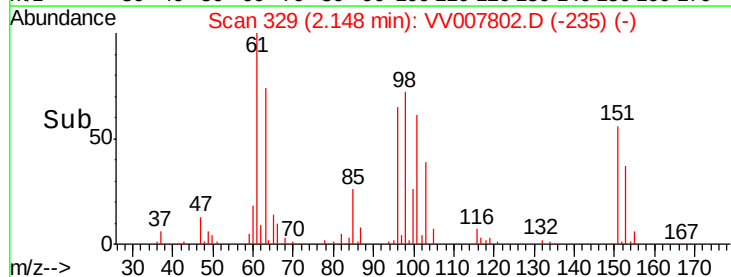
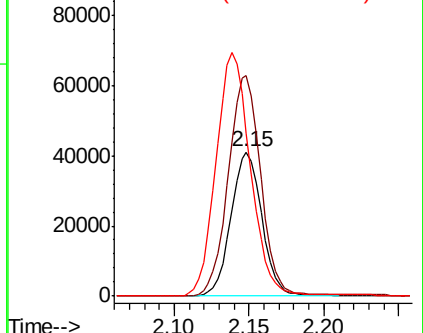
63 113.6 78.8 146.4

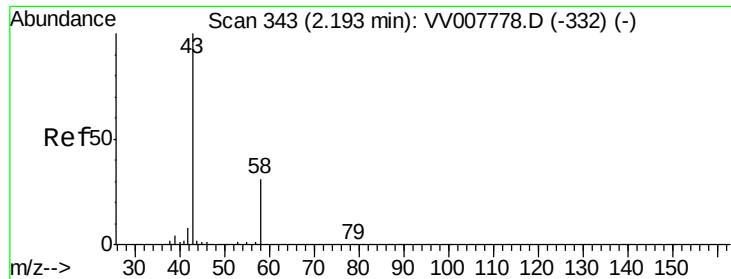


Abundance Ion 96.00 (95.70 to 96.70): VV007778.D (-317) (-)

Ion 61.00 (60.70 to 61.70): VV007778.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV007778.D (-317) (-)





#13

Acetone

Concen: 76.277 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

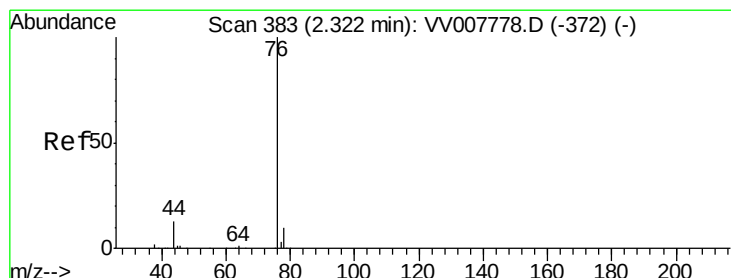
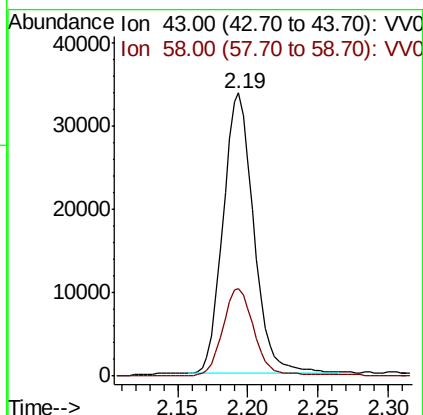
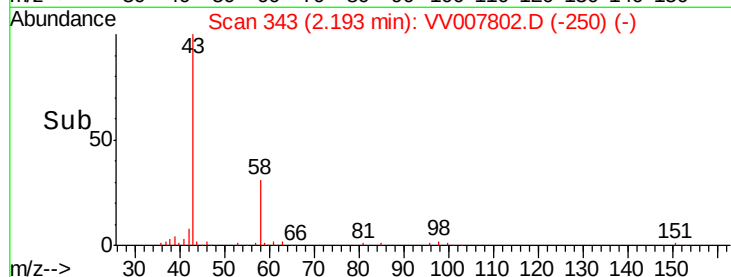
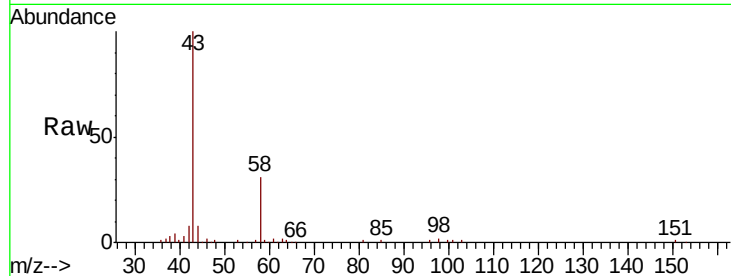
VSTD05072

Tgt Ion: 43 Resp: 51059

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.2



#14

Carbon disulfide

Concen: 45.454 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007802.D

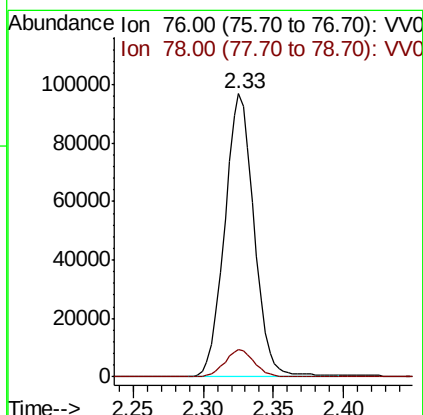
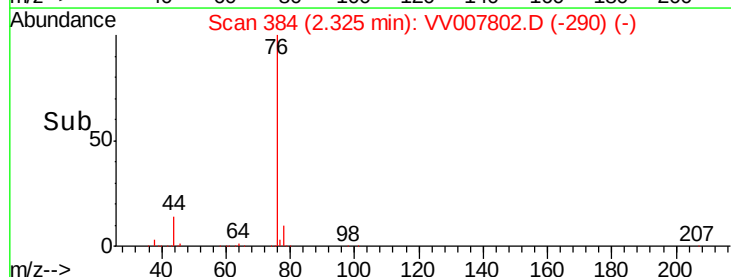
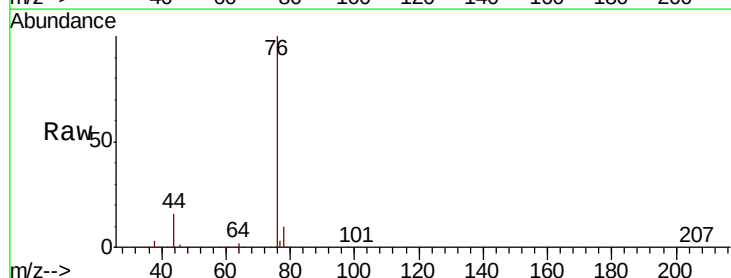
Acq: 23 Sep 2018 20:56

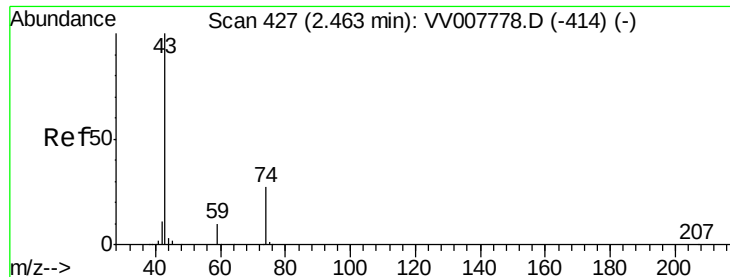
Tgt Ion: 76 Resp: 141125

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

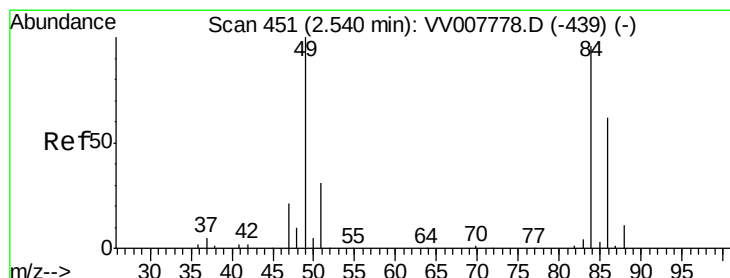
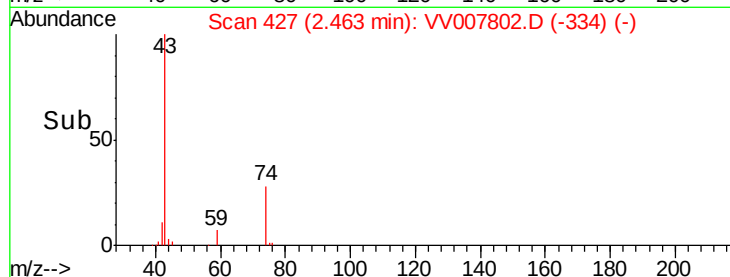
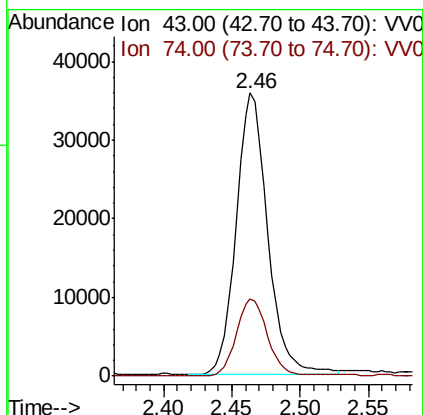
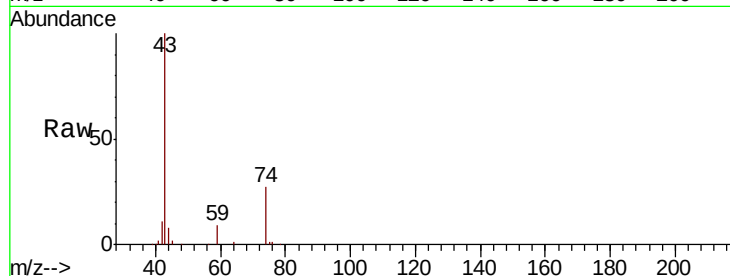




#15
Methyl Acetate
Concen: 48.317 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

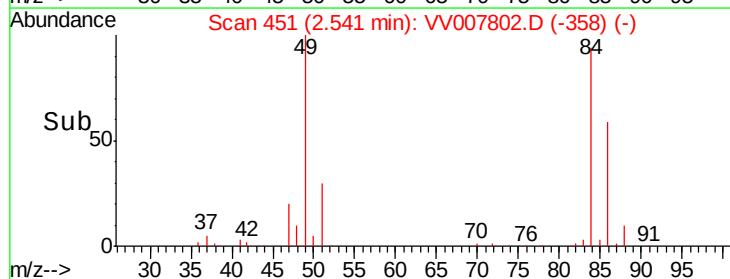
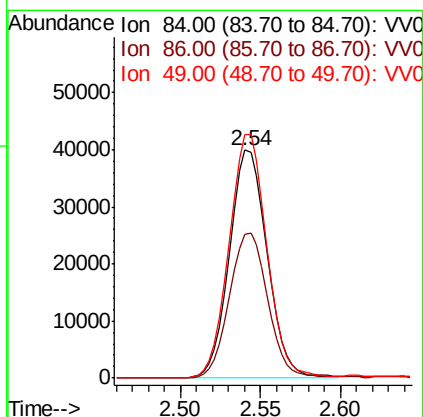
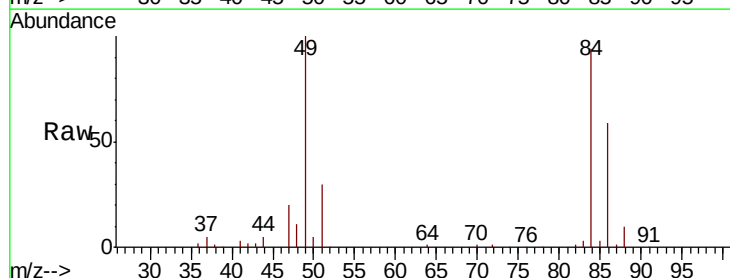
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

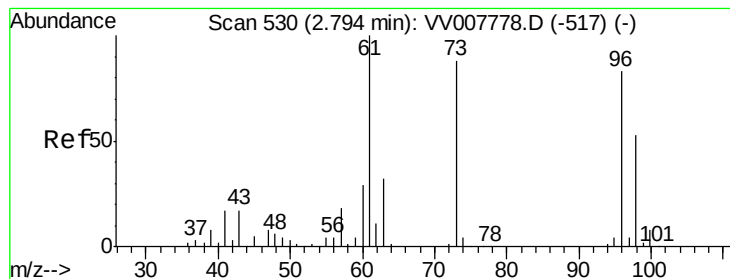
Tgt Ion: 43 Resp: 57250
Ion Ratio Lower Upper
43 100
74 27.2 22.2 33.2



#16
Methylene chloride
Concen: 49.958 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Tgt Ion: 84 Resp: 64219
Ion Ratio Lower Upper
84 100
86 62.9 45.4 84.4
49 106.7 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 48.616 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

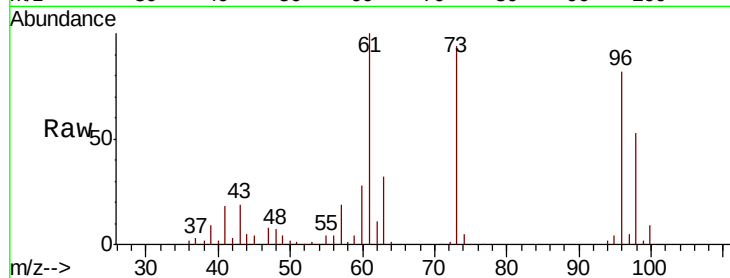
Tgt Ion: 96 Resp: 64280

Ion Ratio Lower Upper

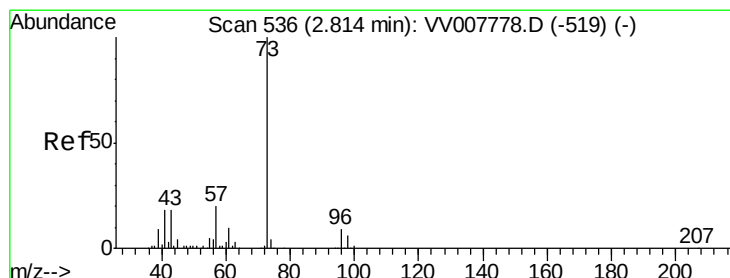
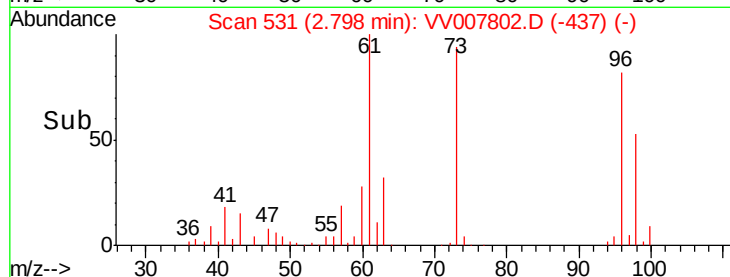
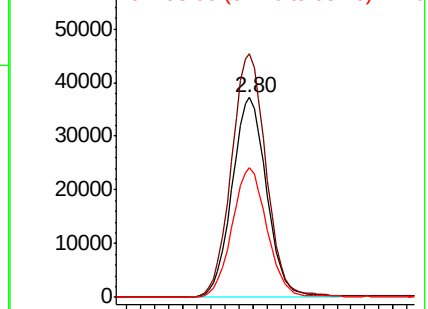
96 100

61 121.7 84.9 157.7

98 64.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.501 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

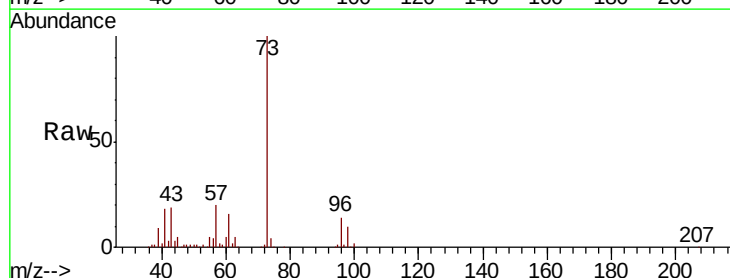
Tgt Ion: 73 Resp: 193143

Ion Ratio Lower Upper

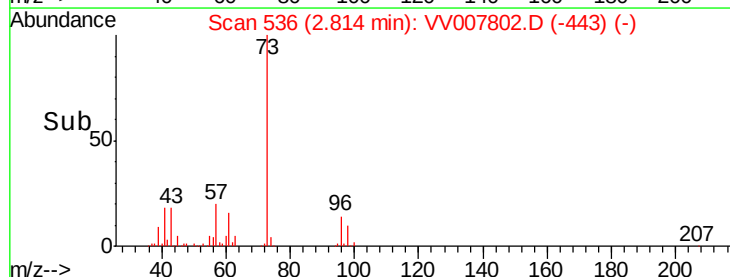
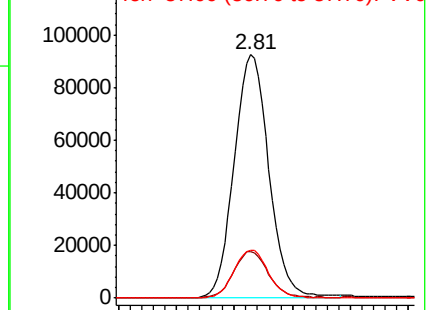
73 100

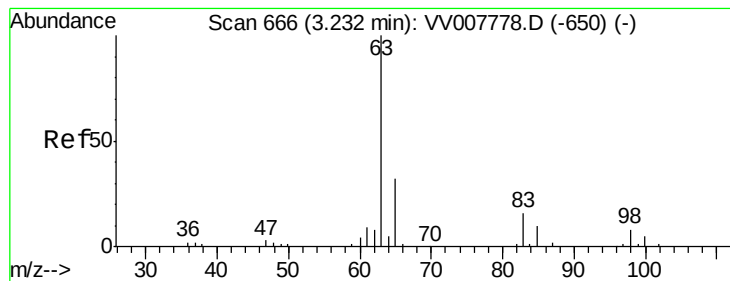
43 18.7 15.0 22.6

57 19.6 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.784 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

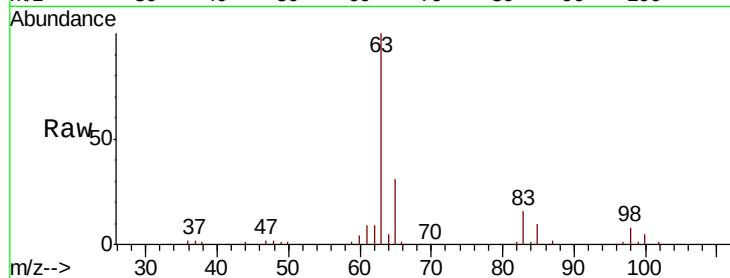
Tgt Ion: 63 Resp: 81495

Ion Ratio Lower Upper

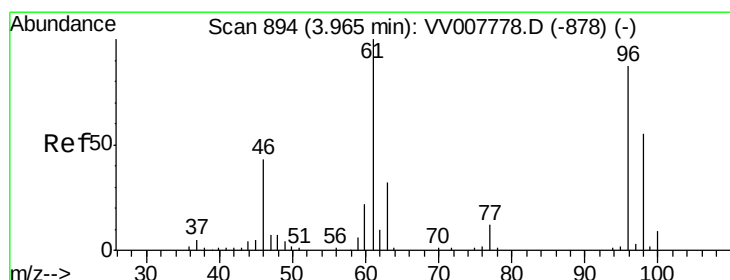
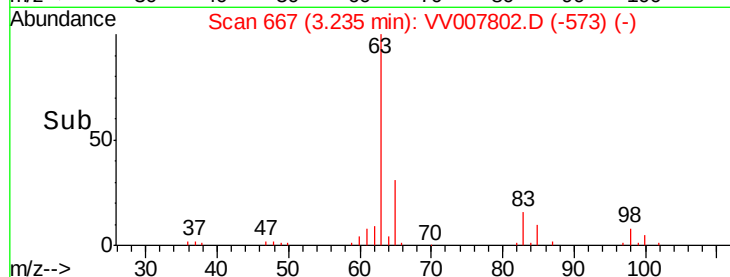
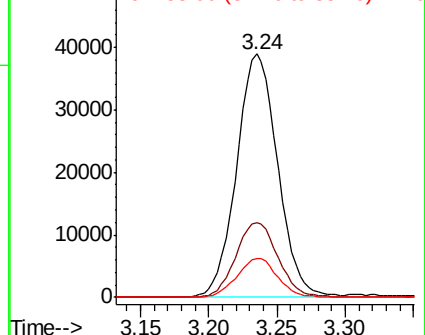
63 100

65 30.7 21.6 40.2

83 15.9 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: 48.460 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

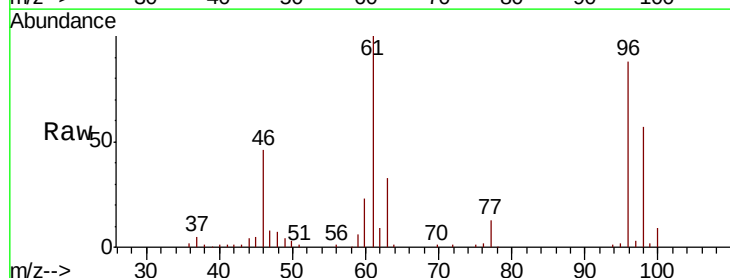
Tgt Ion: 96 Resp: 57466

Ion Ratio Lower Upper

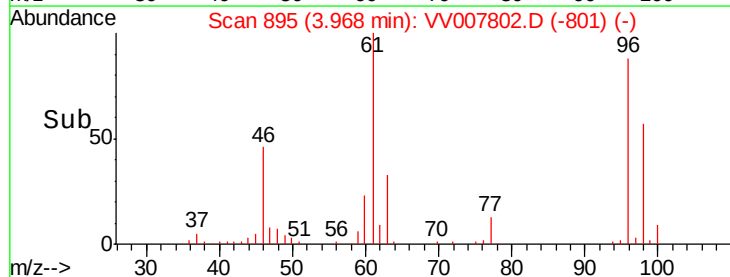
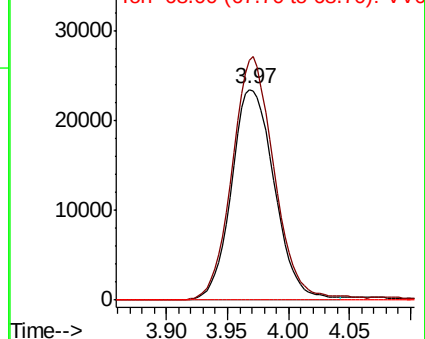
96 100

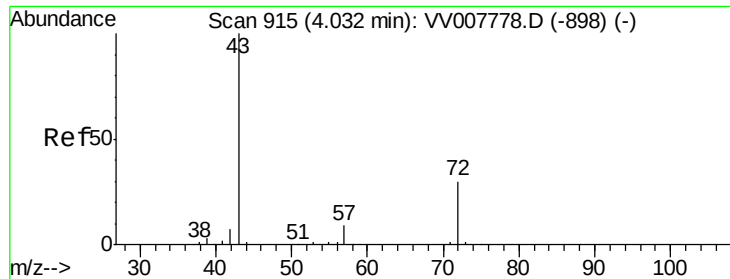
61 113.8 78.8 146.3

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: 85.407 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampled :

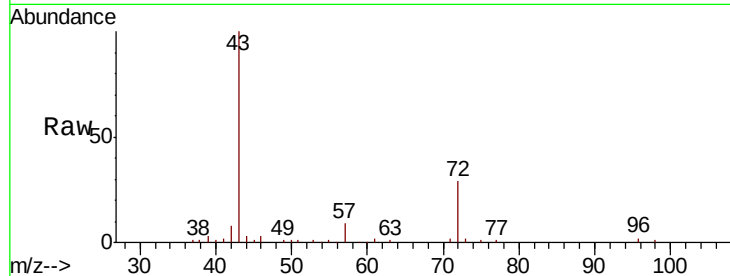
VSTD05072

Tgt Ion: 43 Resp: 61885

Ion Ratio Lower Upper

43 100

72 27.7 14.2 42.6

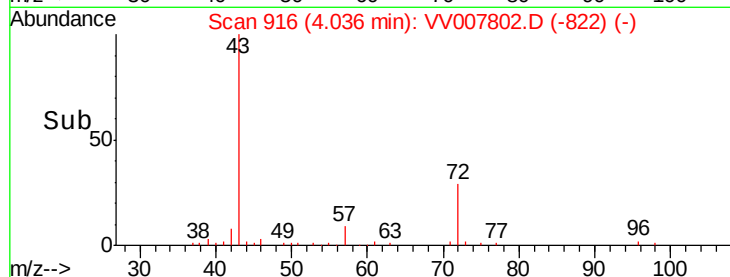


Abundance Ion 43.00 (42.70 to 43.70): VV007778.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV007778.D (-898) (-)

Time-->

4.04



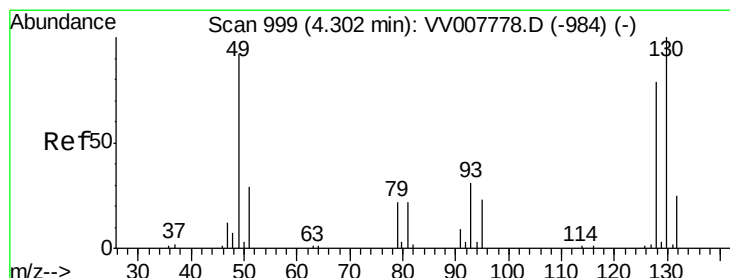
Abundance

Ion 43.00 (42.70 to 43.70): VV007802.D (-822) (-)

Ion 72.00 (71.70 to 72.70): VV007802.D (-822) (-)

Time-->

4.04



#23

Bromochloromethane

Concen: 49.926 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Tgt Ion: 128 Resp: 32811

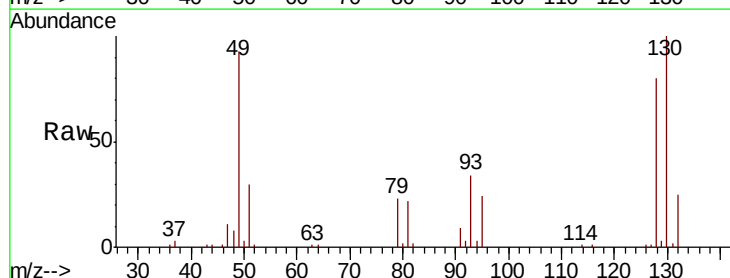
Ion Ratio Lower Upper

128 100

49 116.2 84.8 157.4

130 124.9 90.9 168.9

51 36.9 30.6 46.0



Abundance Ion 128.00 (127.70 to 128.70): VV007778.D (-984) (-)

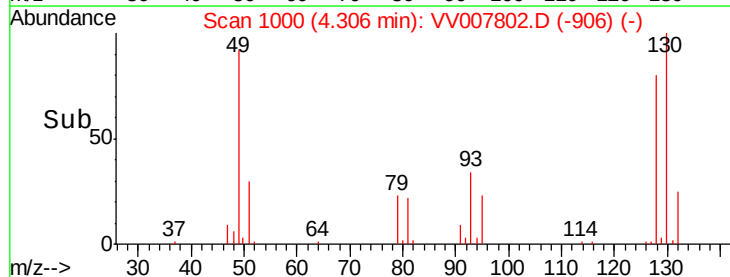
Ion 49.00 (48.70 to 49.70): VV007778.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV007778.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV007778.D (-984) (-)

Time-->

4.31



Abundance

Ion 128.00 (127.70 to 128.70): VV007802.D (-906) (-)

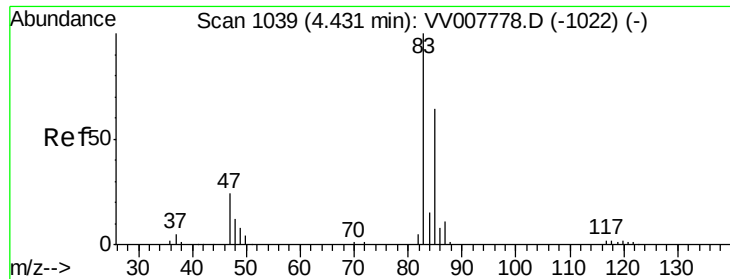
Ion 49.00 (48.70 to 49.70): VV007802.D (-906) (-)

Ion 130.00 (129.70 to 130.70): VV007802.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VV007802.D (-906) (-)

Time-->

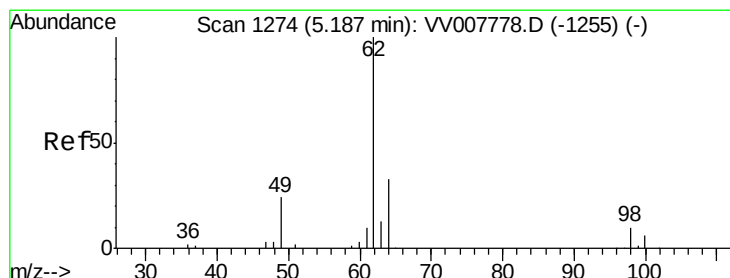
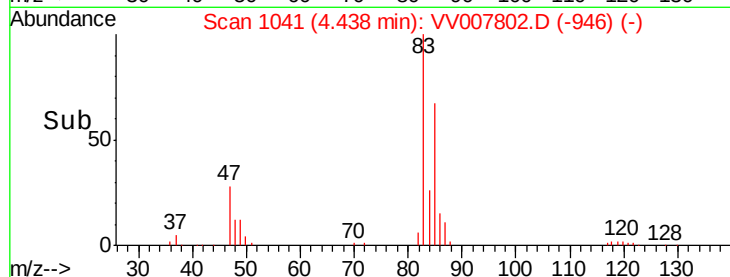
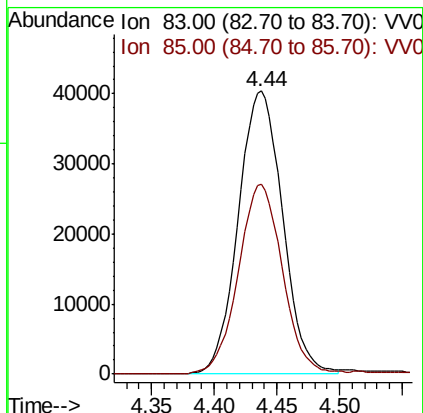
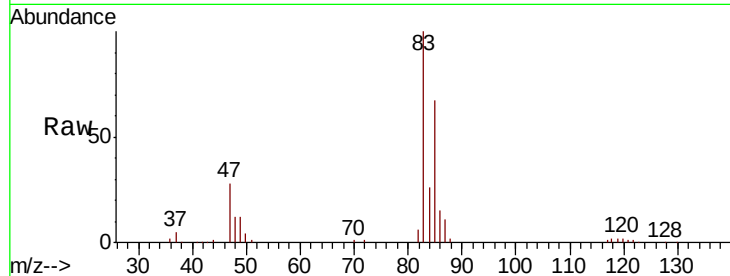
4.31



#25
Chloroform
Concen: 50.290 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

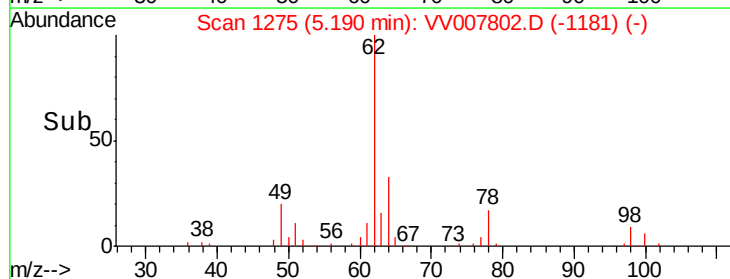
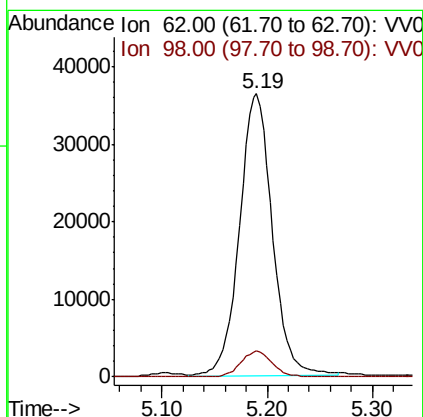
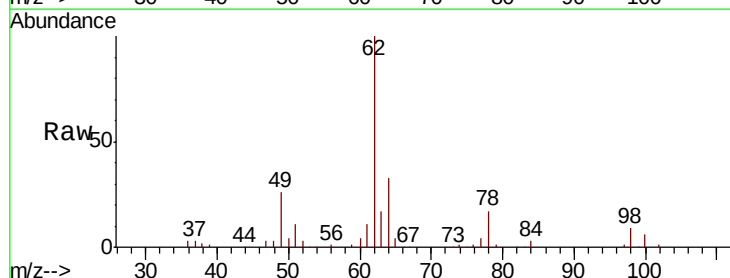
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

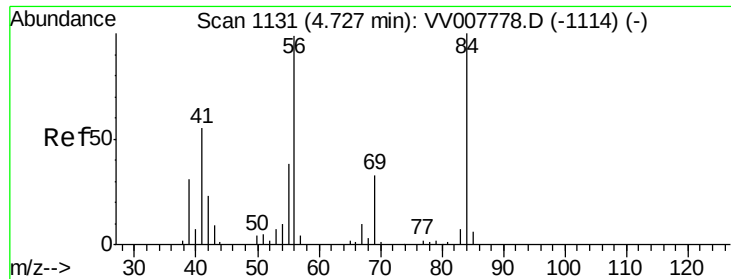
Tgt Ion: 83 Resp: 99590
Ion Ratio Lower Upper
83 100
85 67.3 44.0 81.8



#27
1,2-Dichloroethane
Concen: 48.795 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Tgt Ion: 62 Resp: 78380
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3

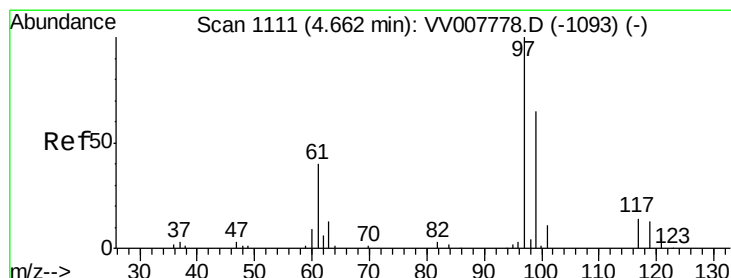
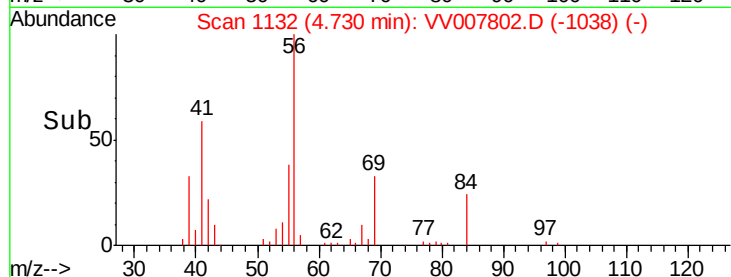
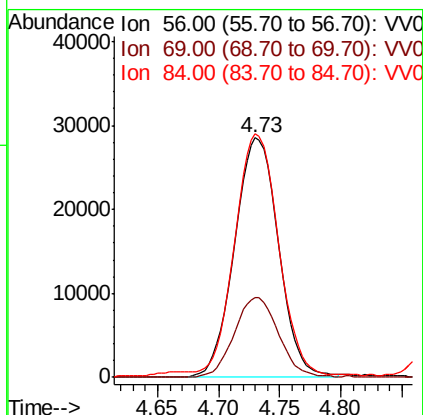
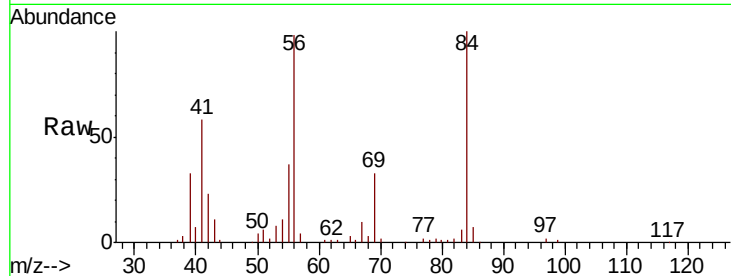




#29
Cyclohexane
Concen: 46.453 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

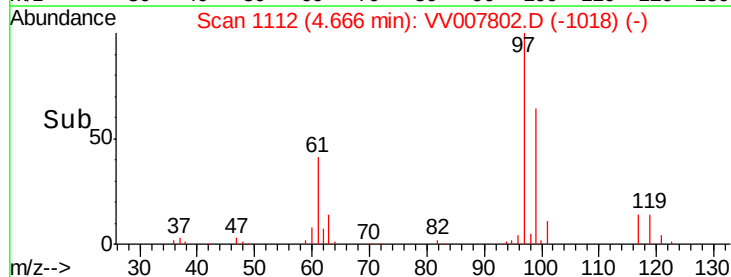
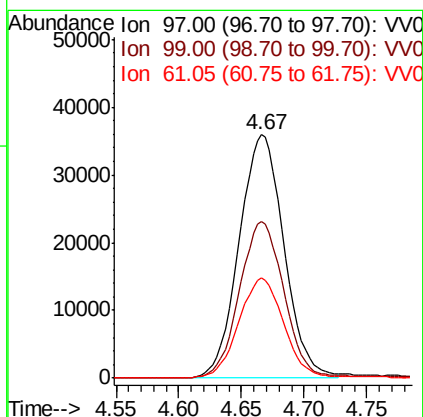
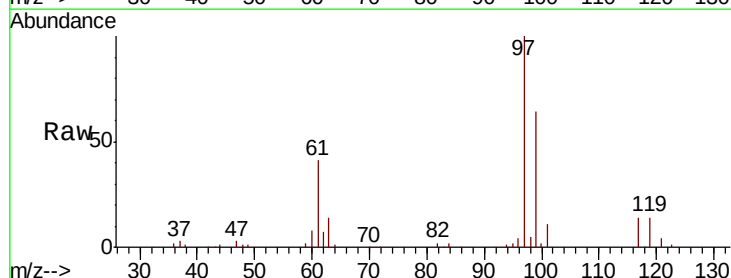
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

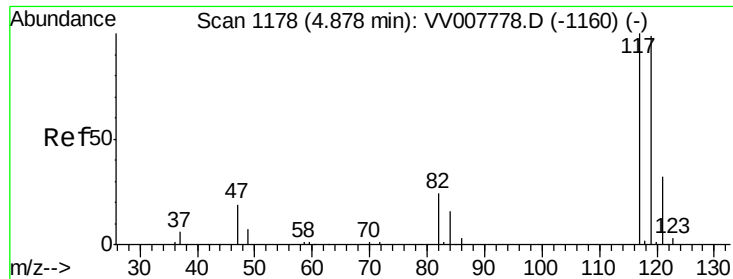
Tgt Ion: 56 Resp: 71369
Ion Ratio Lower Upper
56 100
69 33.4 26.1 39.1
84 102.3 79.7 119.5



#30
1,1,1-Trichloroethane
Concen: 47.556 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Tgt Ion: 97 Resp: 89414
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 41.3 33.0 49.4





#31

Carbon tetrachloride

Concen: 46.784 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

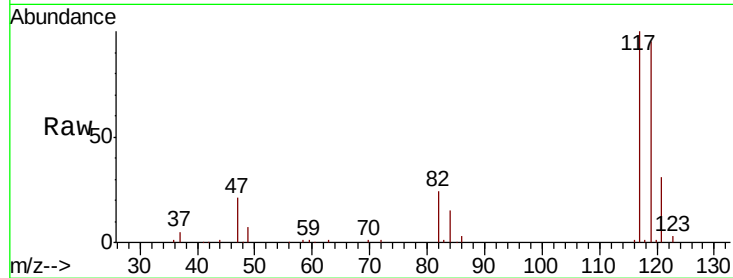
VSTD05072

Tgt Ion:117 Resp: 81270

Ion Ratio Lower Upper

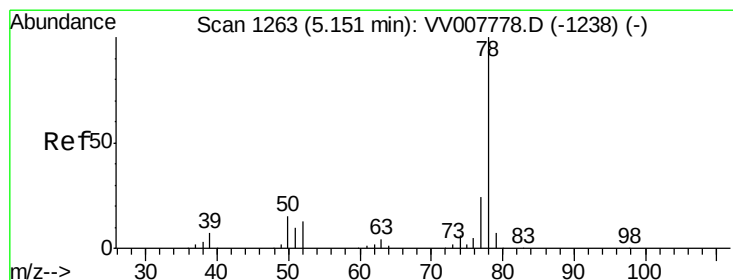
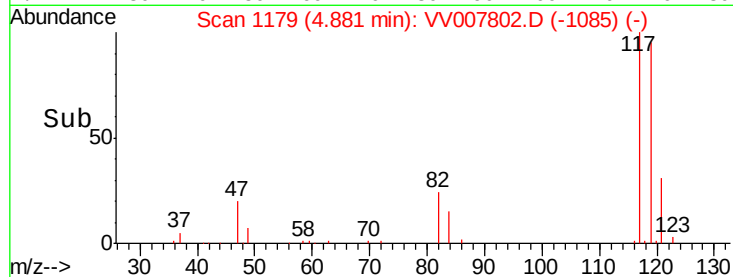
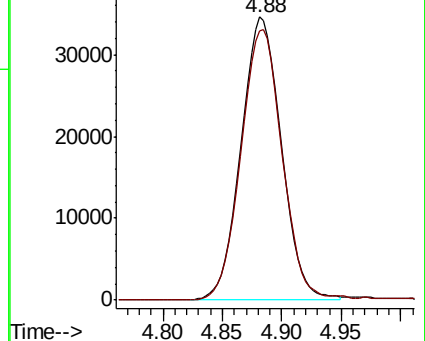
117 100

119 97.1 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: 48.496 ug/L

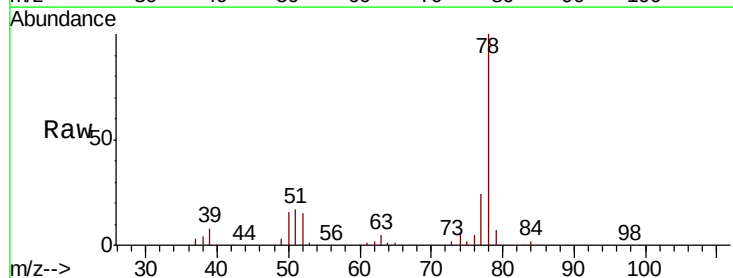
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

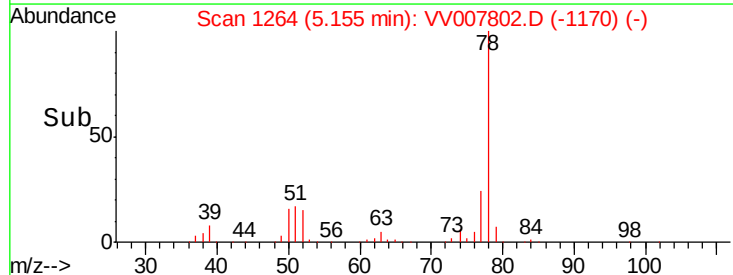
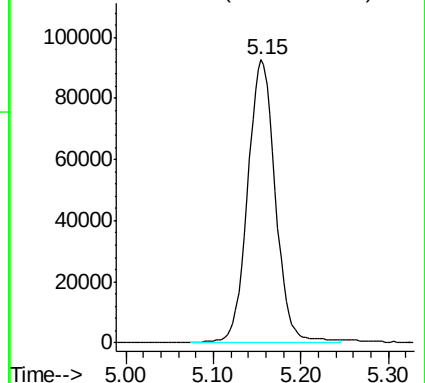
Lab File: VV007802.D

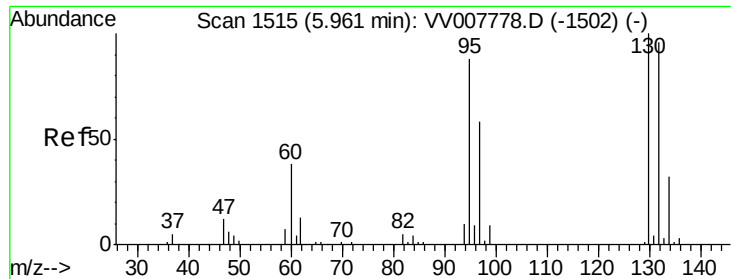
Acq: 23 Sep 2018 20:56

Tgt Ion: 78 Resp: 204083



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.137 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

Tgt Ion: 95 Resp: 58665

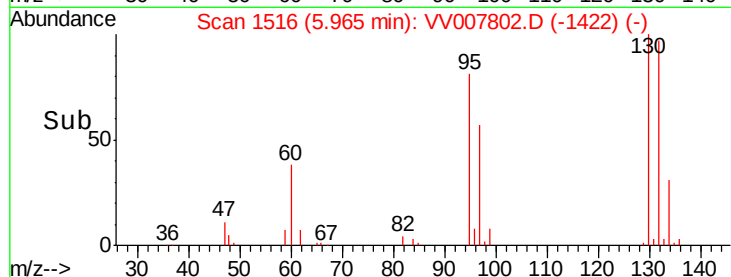
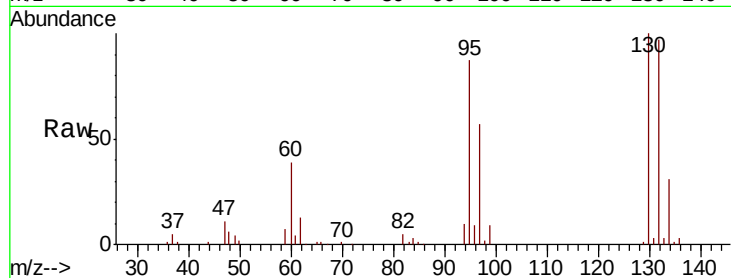
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 111.4 77.7 144.3

130 114.4 79.7 148.1

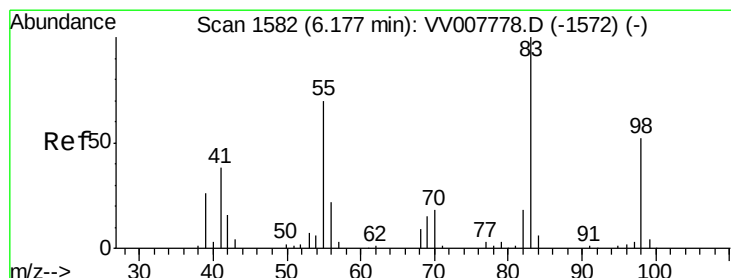
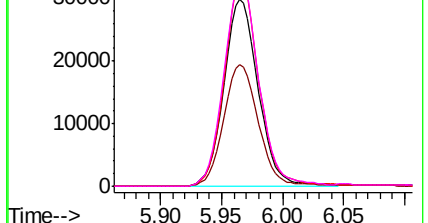


Abundance Ion 95.00 (94.70 to 95.70): VV007778.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV007778.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV007778.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV007778.D (-1502) (-)



#35

Methylcyclohexane

Concen: 46.651 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

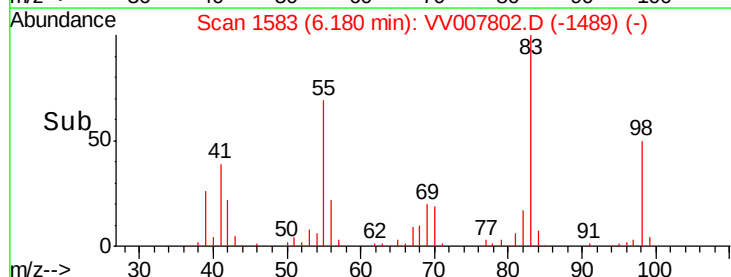
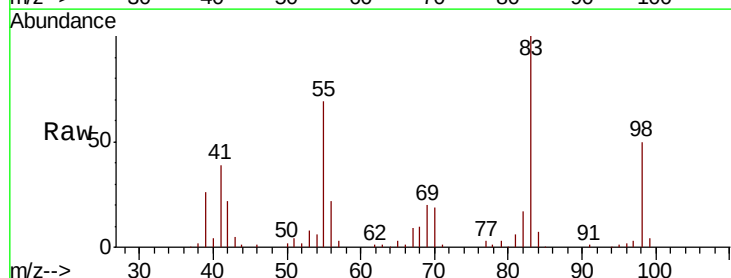
Tgt Ion: 83 Resp: 88928

Ion Ratio Lower Upper

83 100

55 67.7 54.6 82.0

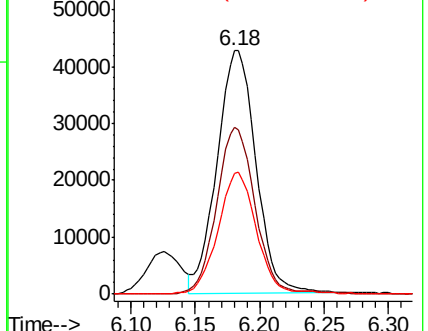
98 48.6 39.0 58.6

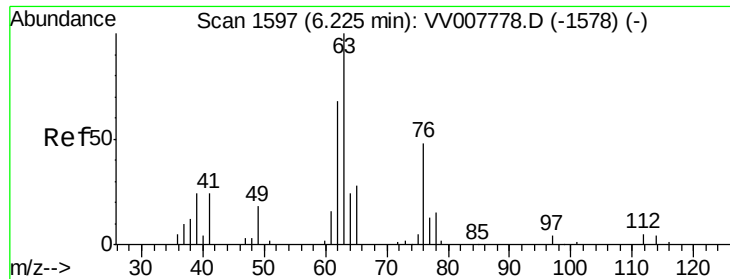


Abundance Ion 83.00 (82.70 to 83.70): VV007778.D (-1572) (-)

Ion 55.00 (54.70 to 55.70): VV007778.D (-1572) (-)

Ion 98.00 (97.70 to 98.70): VV007778.D (-1572) (-)

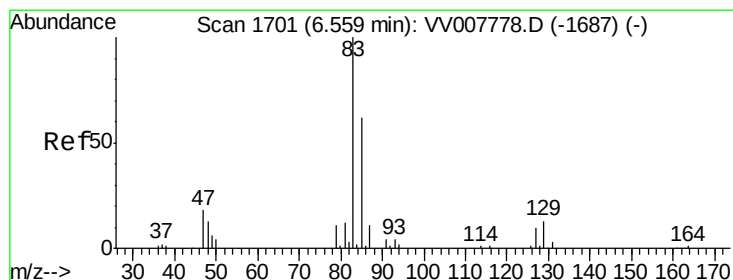
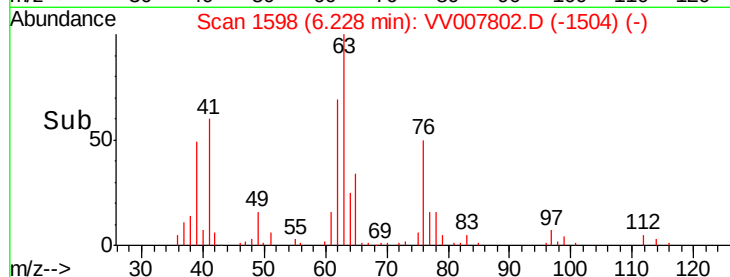
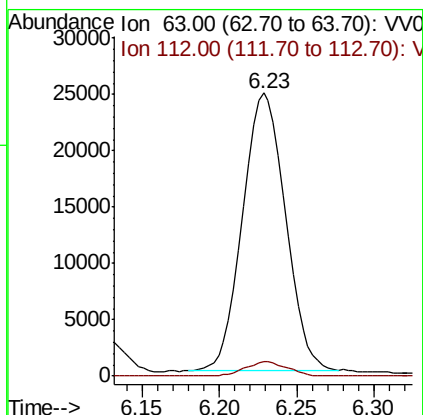
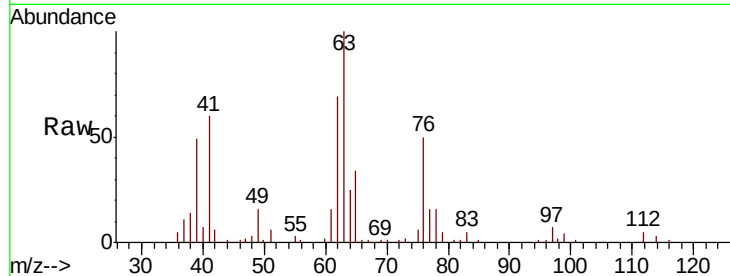




#37
 1,2-Dichloropropane
 Concen: 45.053 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

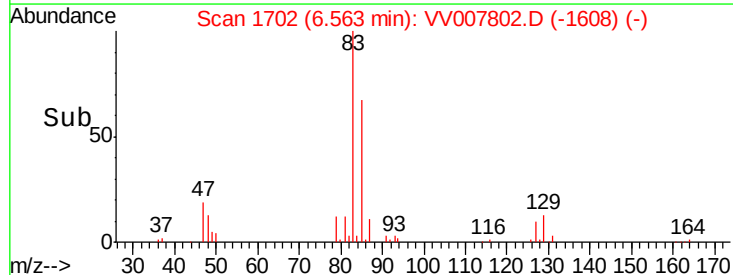
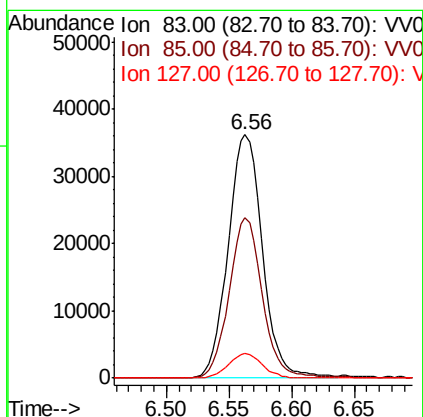
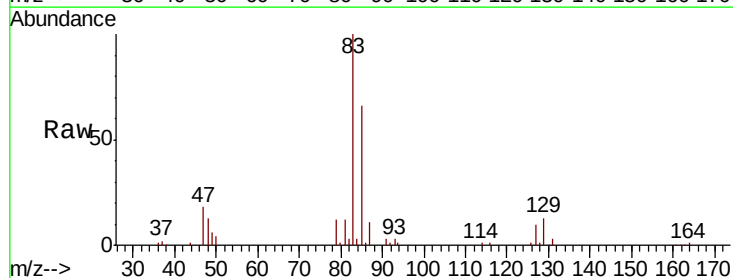
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

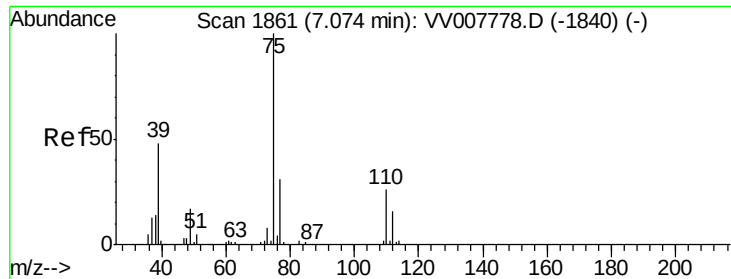
Tgt Ion: 63 Resp: 47735
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 47.478 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Tgt Ion: 83 Resp: 69159
 Ion Ratio Lower Upper
 83 100
 85 66.1 46.6 86.6
 127 10.1 8.7 13.1

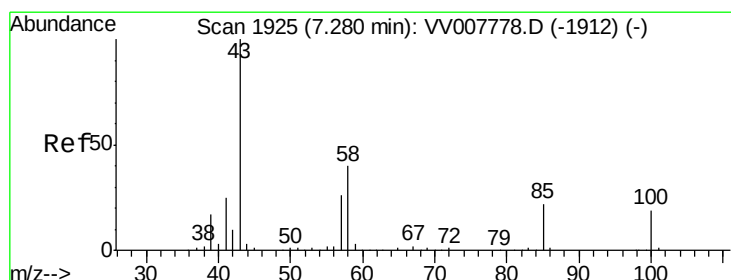
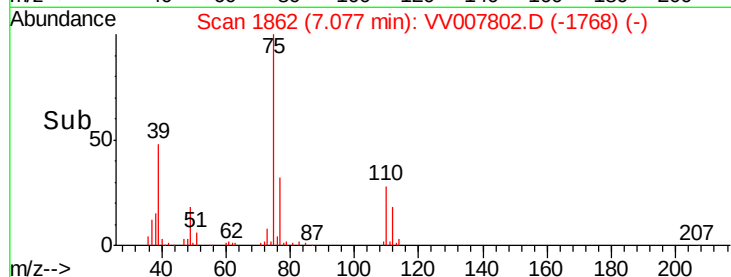
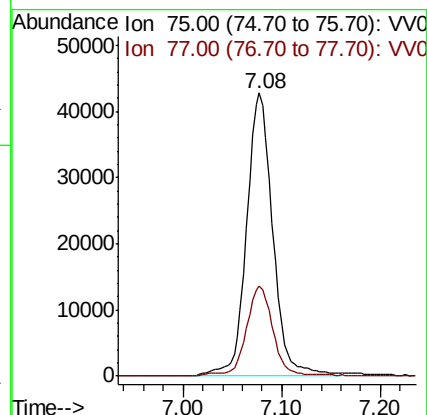
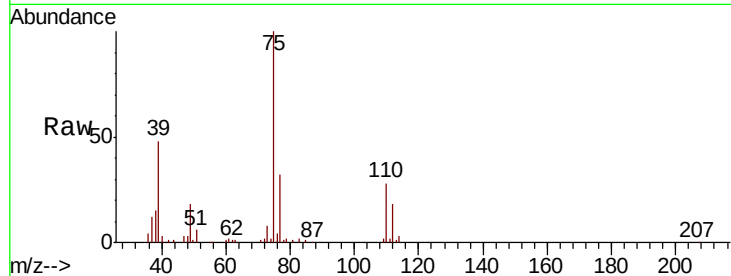




#39
 cis-1,3-Dichloropropene
 Concen: 46.370 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

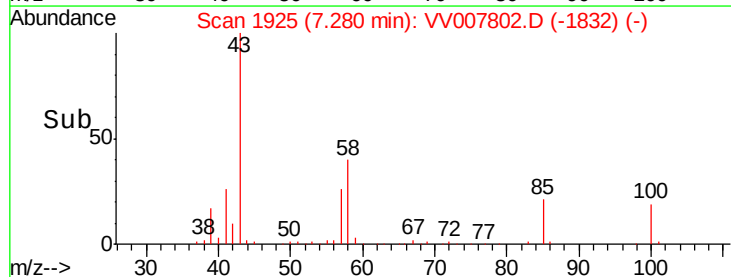
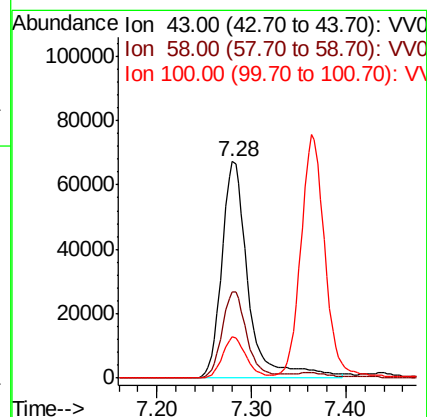
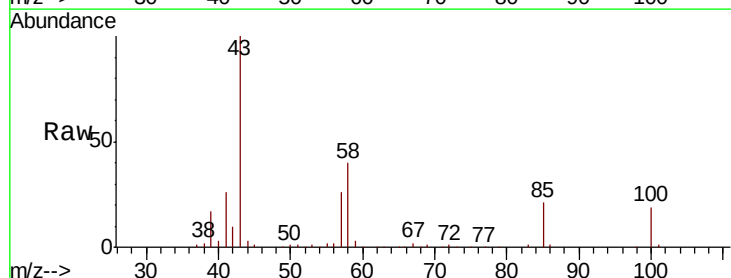
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

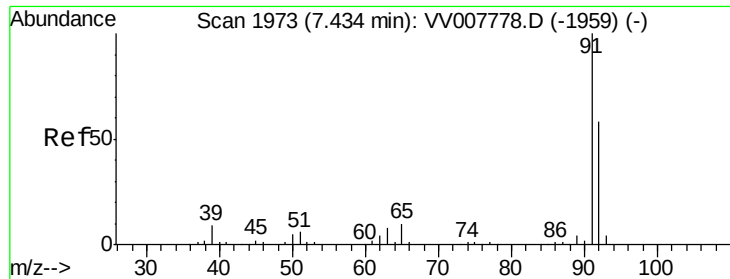
Tgt Ion: 75 Resp: 78980
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 93.893 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Tgt Ion: 43 Resp: 131556
 Ion Ratio Lower Upper
 43 100
 58 37.3 31.5 47.3
 100 17.0 14.7 22.1





#42

Toluene

Concen: 48.745 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

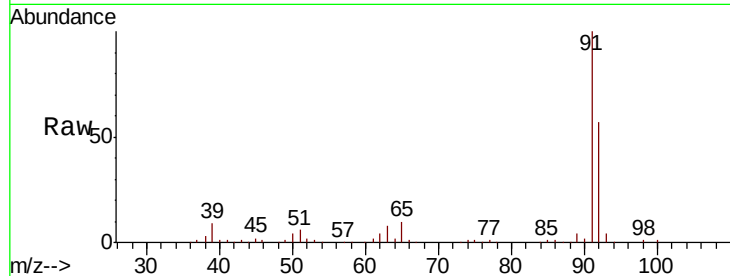
VSTD05072

Tgt Ion: 91 Resp: 243152

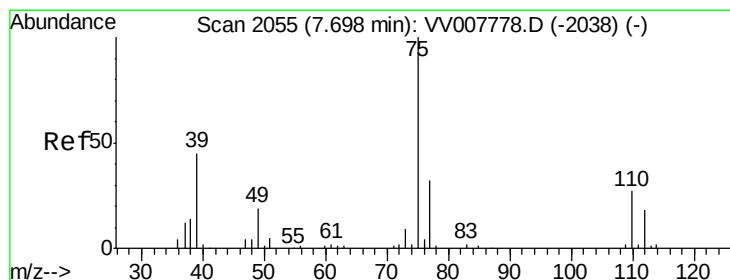
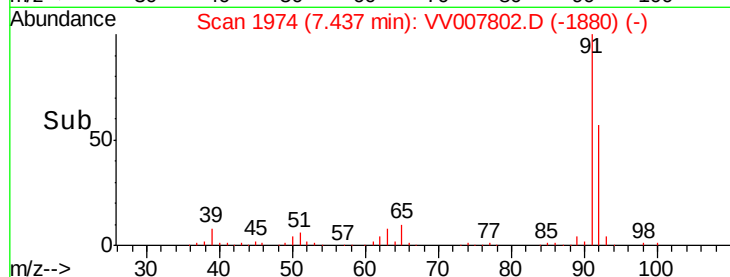
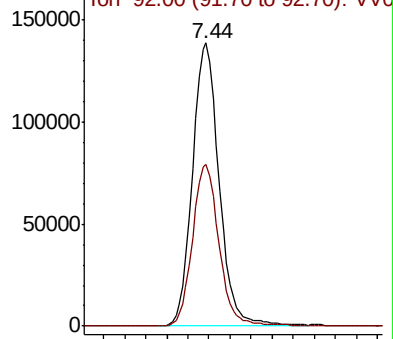
Ion Ratio Lower Upper

91 100

92 57.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007778.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 46.614 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007802.D

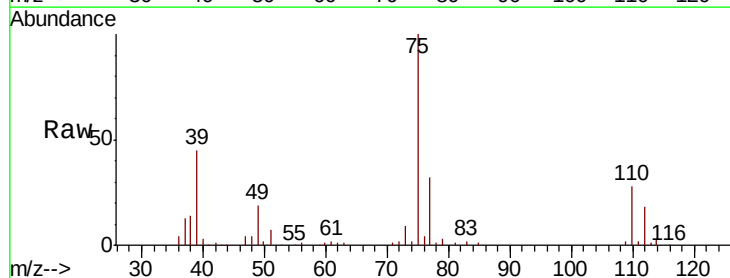
Acq: 23 Sep 2018 20:56

Tgt Ion: 75 Resp: 75381

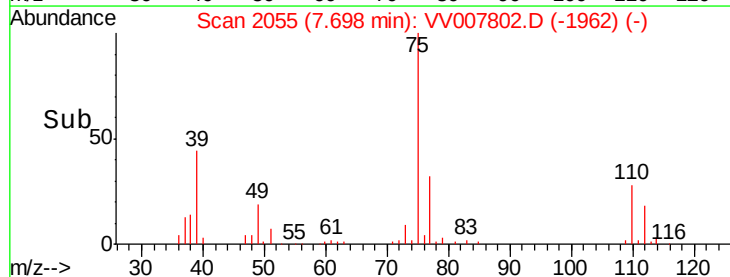
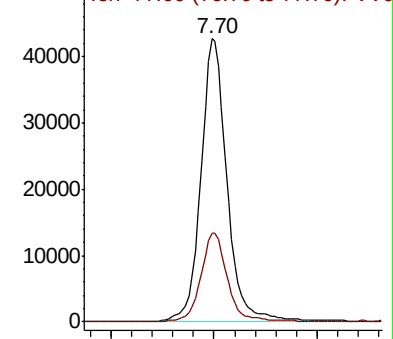
Ion Ratio Lower Upper

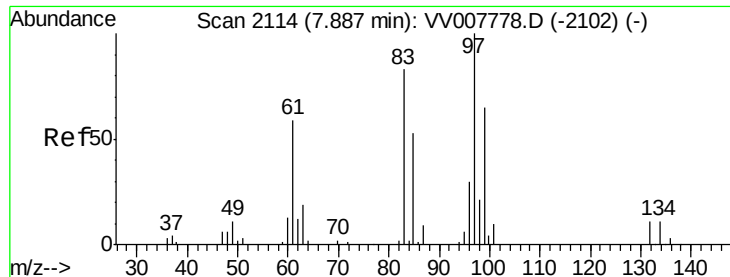
75 100

77 31.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2038) (-)

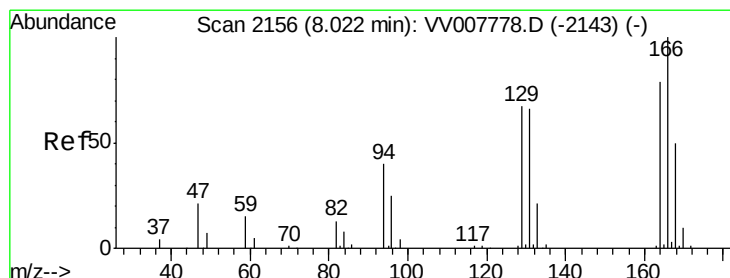
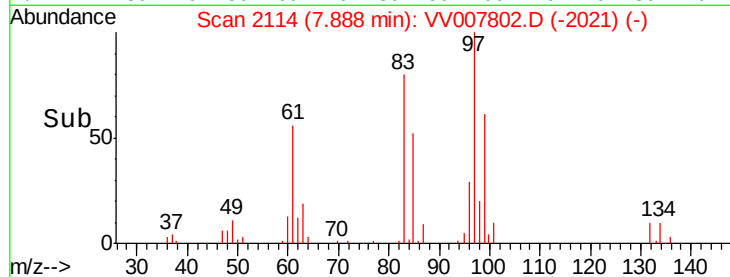
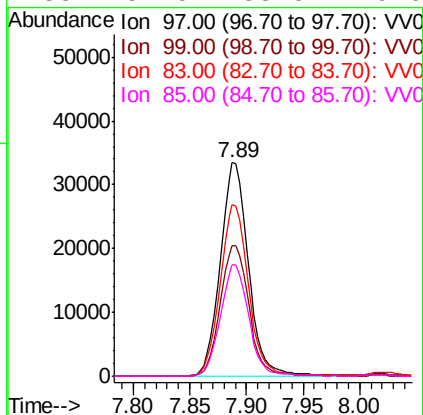
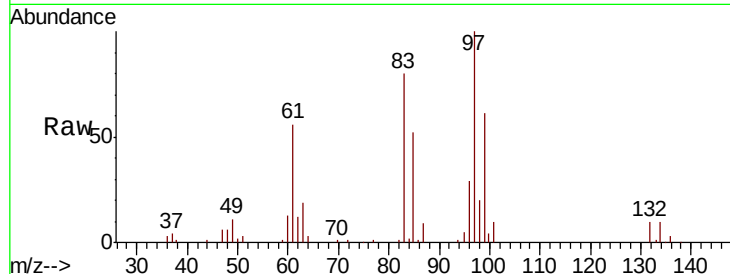




#45
 1,1,2-Trichloroethane
 Concen: 48.853 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

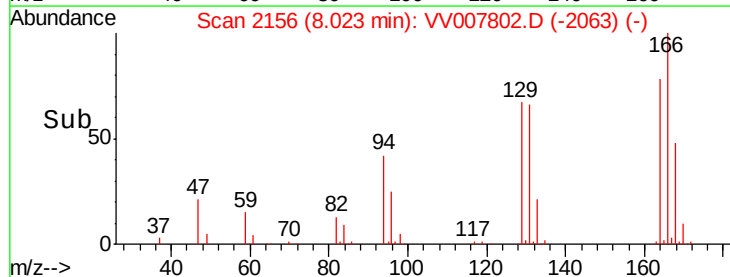
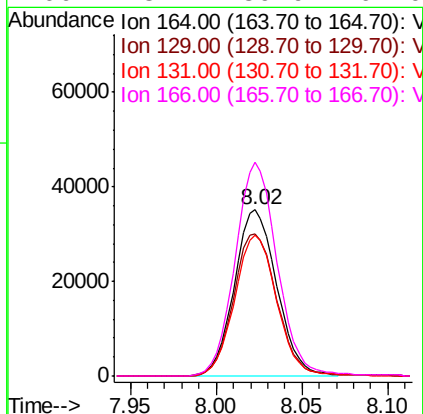
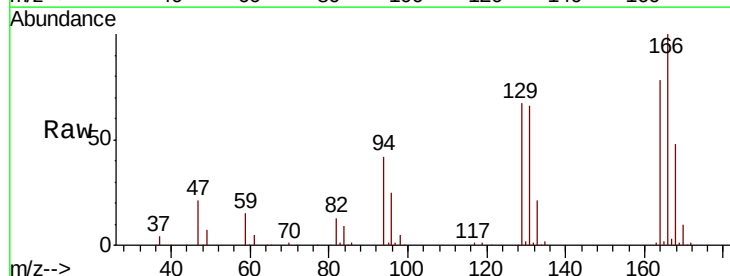
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

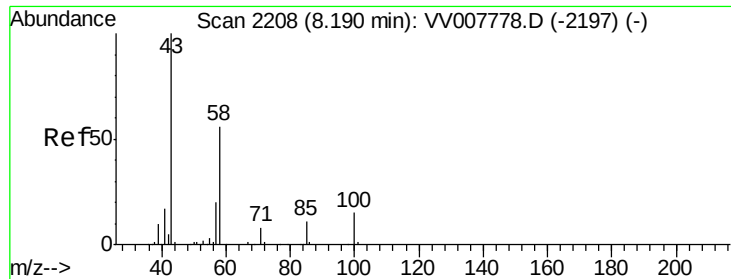
Tgt Ion:	97	Resp:	58166
Ion	Ratio	Lower	Upper
97	100		
99	61.4	45.8	85.2
83	80.4	58.2	108.0
85	52.0	38.0	70.6



#46
 Tetrachloroethene
 Concen: 47.270 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Tgt Ion:	164	Resp:	60212
Ion	Ratio	Lower	Upper
164	100		
129	85.7	61.0	113.4
131	84.9	57.8	107.4
166	128.4	89.9	167.0

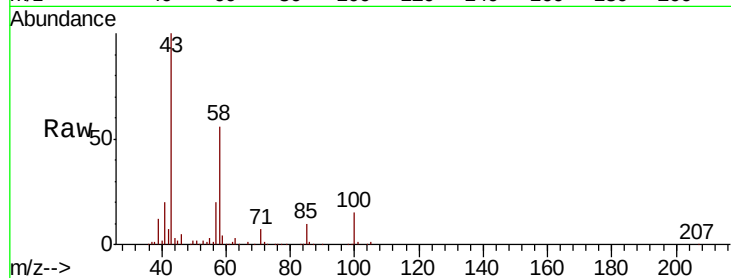




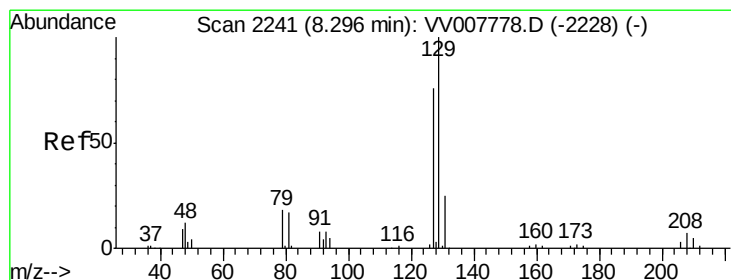
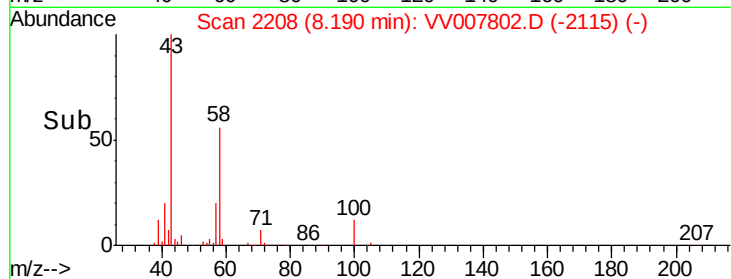
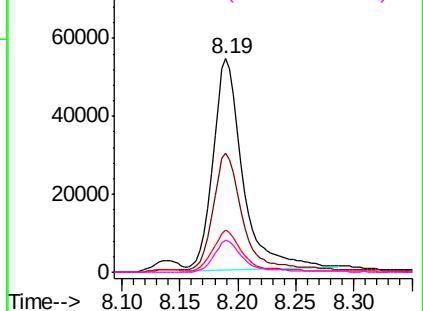
#48
2-Hexanone
Concen: 89.742 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tgt Ion:	43	Resp:	96858
Ion	Ratio	Lower	Upper
43	100		
58	56.9	41.4	62.0
57	17.7	16.0	24.0
100	14.8	11.9	17.9

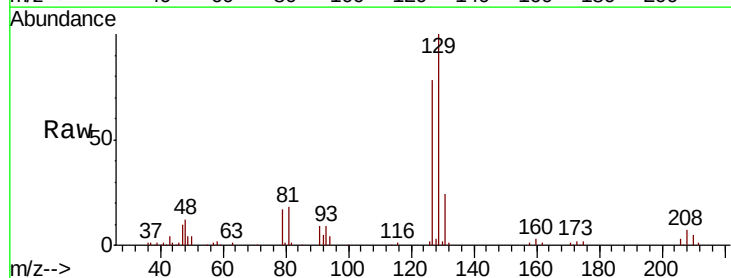


Abundance Ion 43.00 (42.70 to 43.70): VV007778.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV007778.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV007778.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV007778.D (-2197) (-)

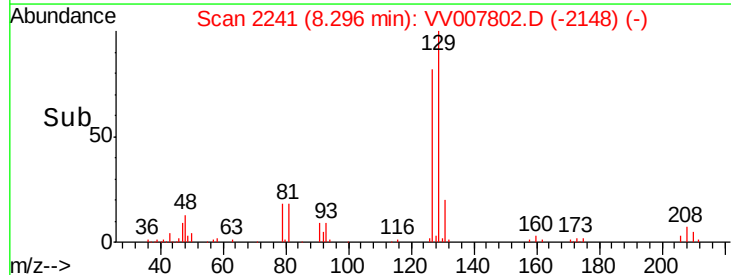
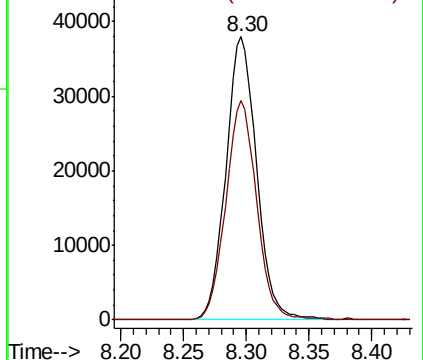


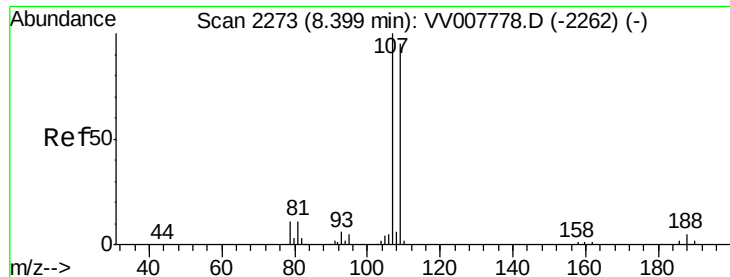
#49
Dibromochloromethane
Concen: 48.121 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Tgt Ion:	129	Resp:	65011
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.0	100.2



Abundance Ion 129.00 (128.70 to 129.70): VV007778.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV007778.D (-2228) (-)

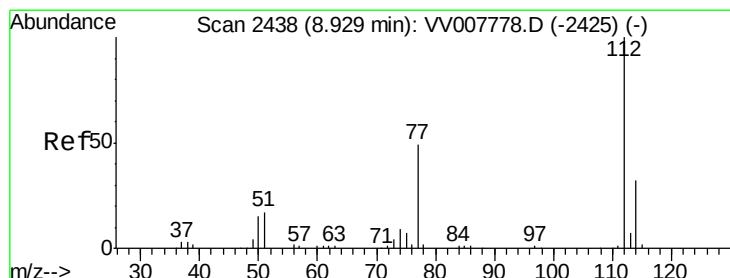
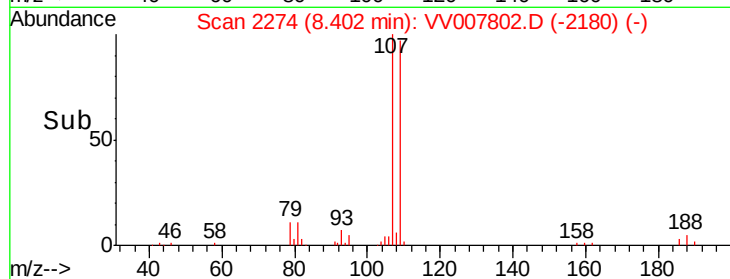
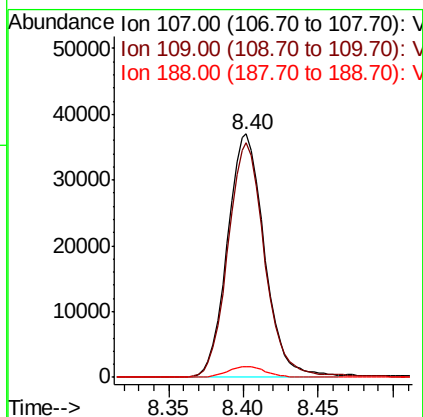
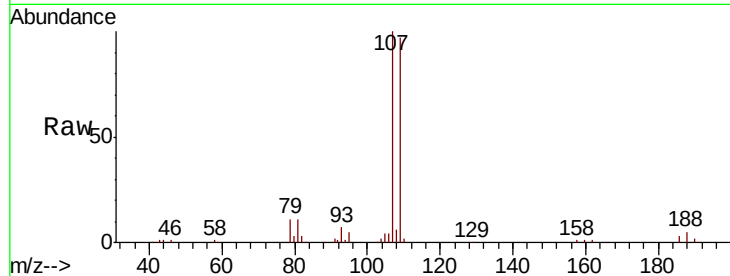




#50
 1,2-Dibromoethane
 Concen: 47.850 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

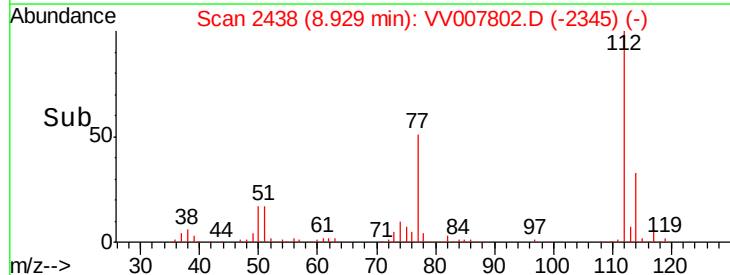
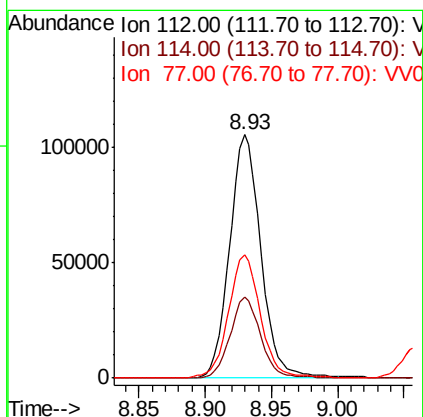
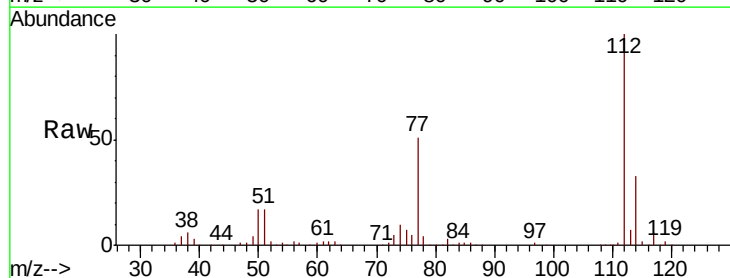
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

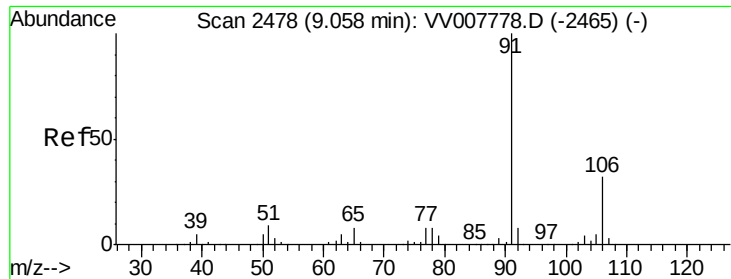
Tgt Ion:107 Resp: 63959
 Ion Ratio Lower Upper
 107 100
 109 96.5 66.4 123.2
 188 4.6 3.5 5.3



#51
 Chlorobenzene
 Concen: 48.181 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Tgt Ion:112 Resp: 173124
 Ion Ratio Lower Upper
 112 100
 114 33.3 22.3 41.3
 77 50.6 40.6 60.8





#52

Ethylbenzene

Concen: 48.850 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

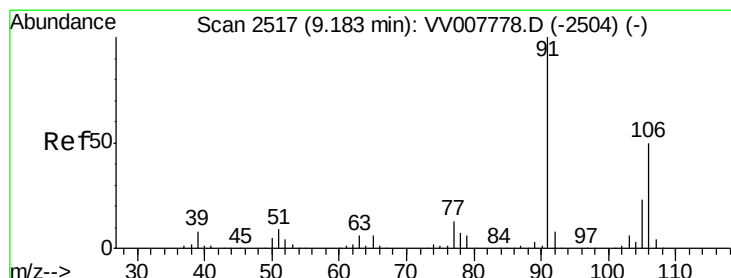
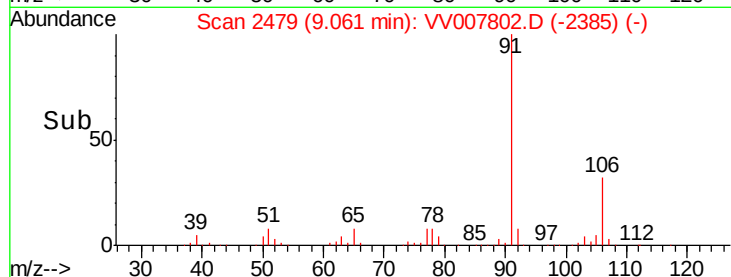
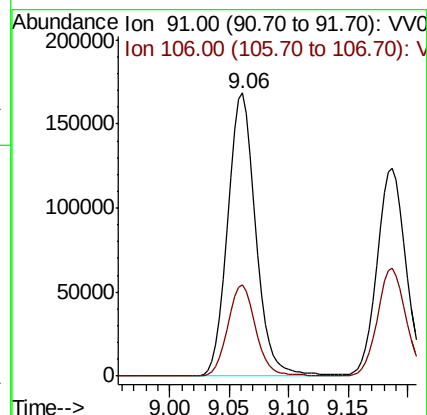
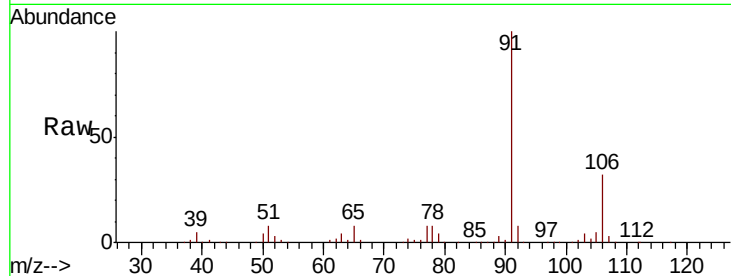
VSTD05072

Tgt Ion: 91 Resp: 275482

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-Xylene

Concen: 48.080 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007802.D

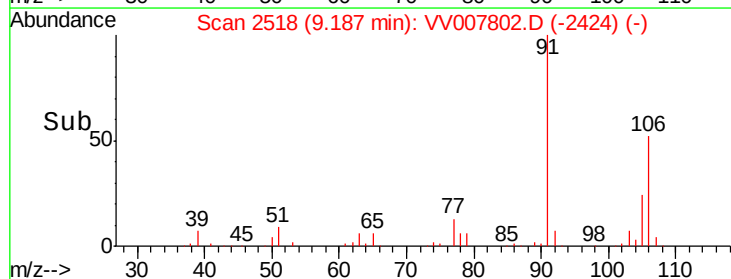
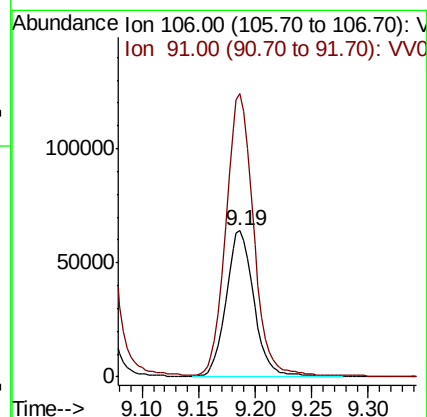
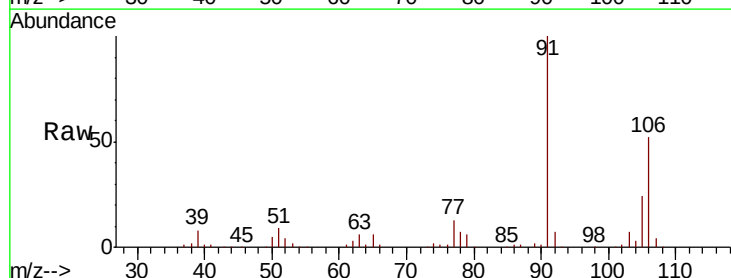
Acq: 23 Sep 2018 20:56

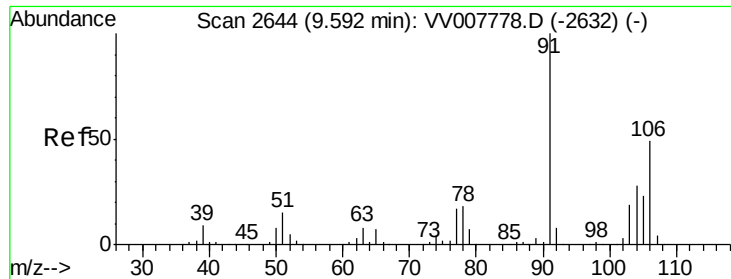
Tgt Ion: 106 Resp: 108504

Ion Ratio Lower Upper

106 100

91 193.8 137.3 254.9

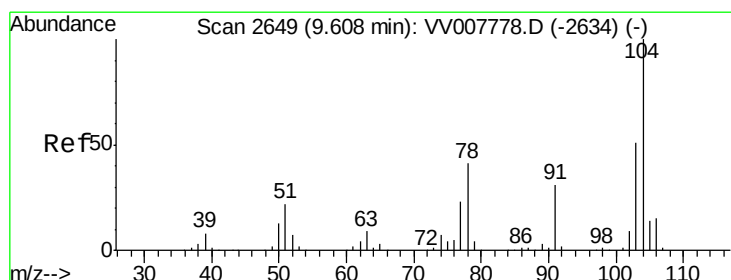
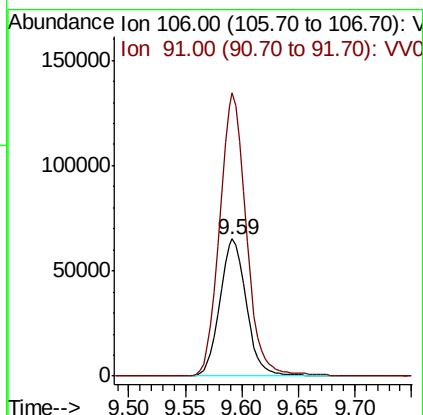
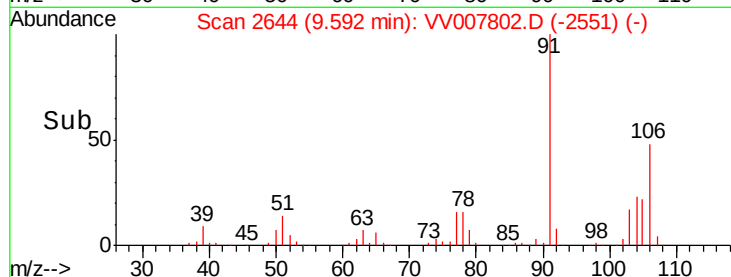
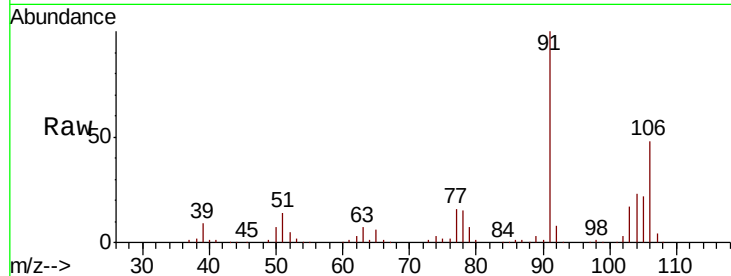




#54
o-xylene
Concen: 48.561 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

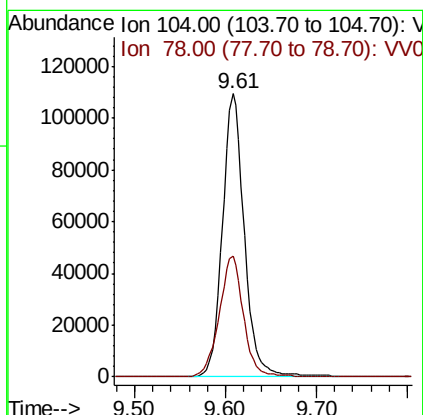
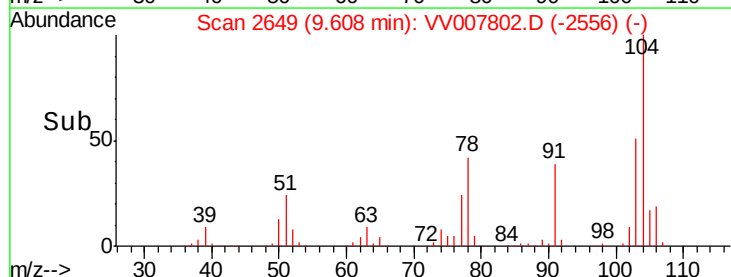
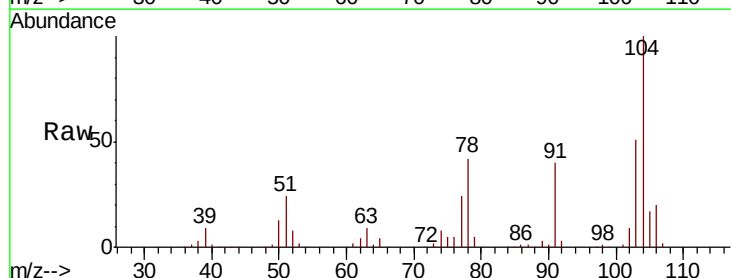
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

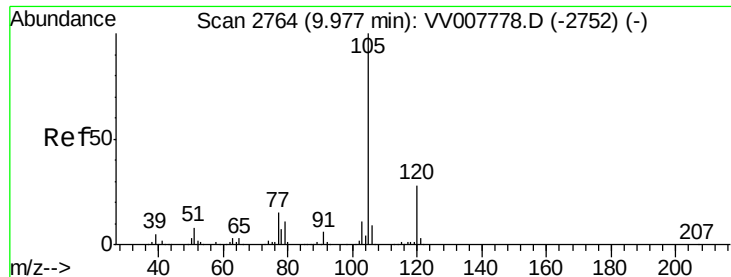
Tgt Ion:106 Resp: 106905
Ion Ratio Lower Upper
106 100
91 206.7 145.5 270.3



#55
Styrene
Concen: 48.767 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007802.D
Acq: 23 Sep 2018 20:56

Tgt Ion:104 Resp: 183160
Ion Ratio Lower Upper
104 100
78 42.5 29.1 54.1





#56

Isopropylbenzene

Concen: 48.335 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

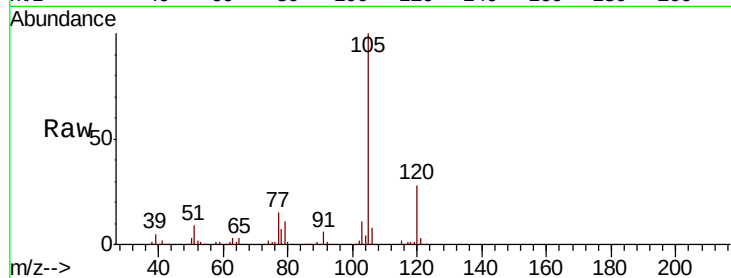
Tgt Ion: 105 Resp: 286936

Ion Ratio Lower Upper

105 100

120 27.6 22.0 33.0

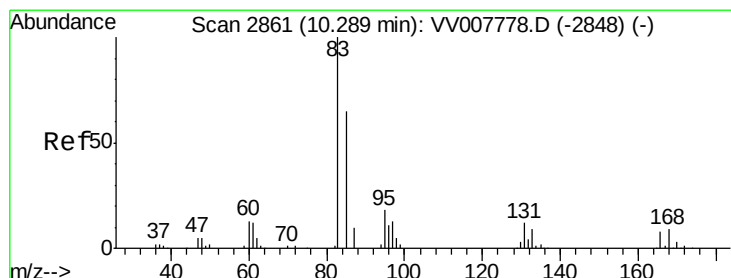
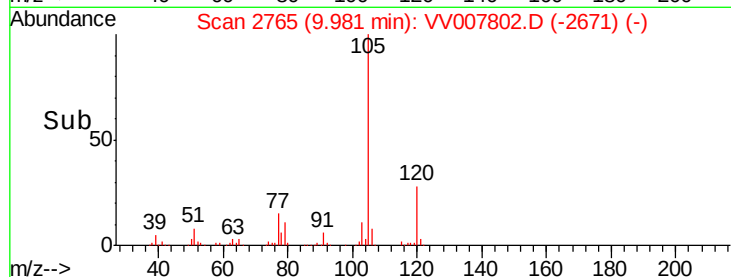
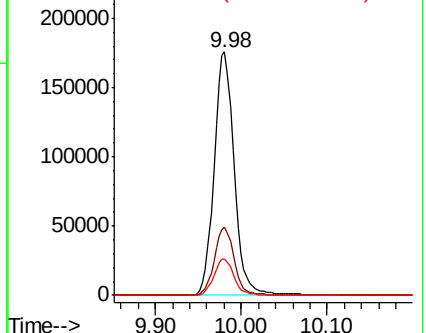
77 14.9 12.1 18.1



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: 48.482 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

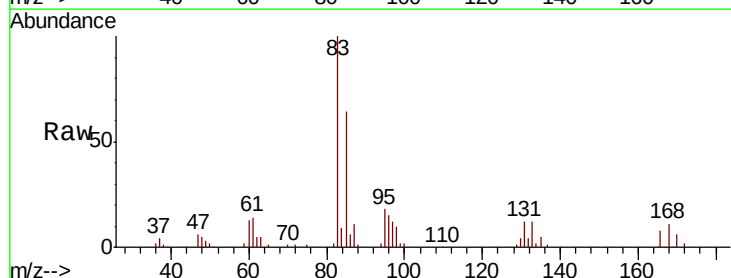
Tgt Ion: 83 Resp: 91850

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4

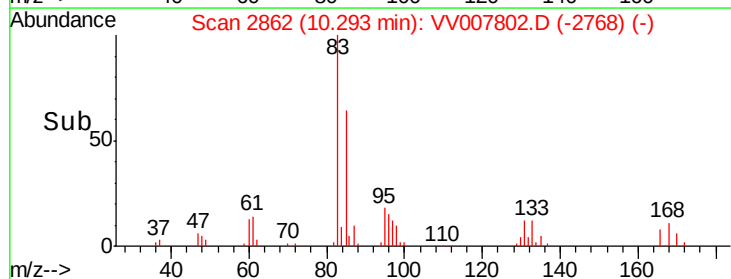
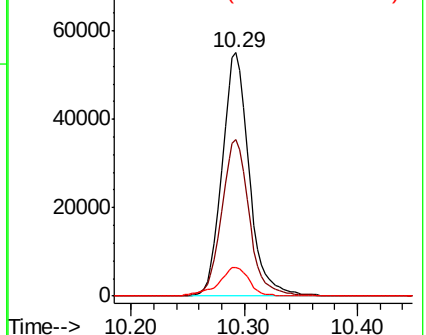
131 11.8 9.8 14.8

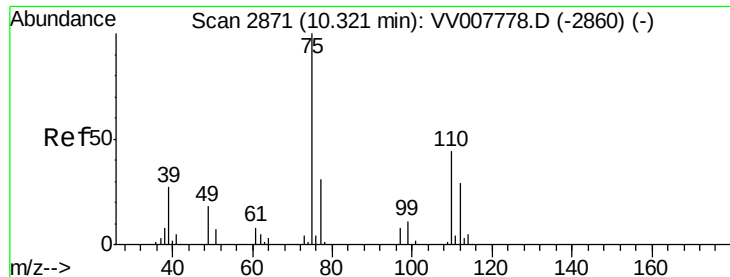


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.030 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

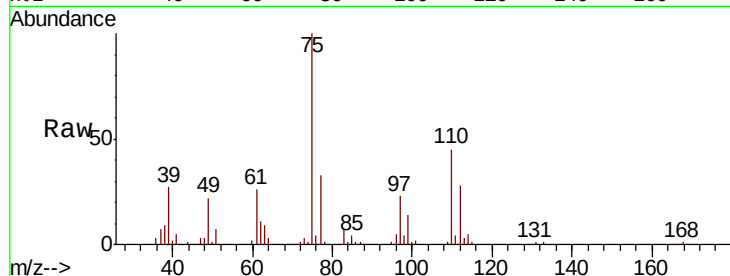
VSTD05072

Tgt Ion: 75 Resp: 70464

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007778.D (-2860) (-)

10.32

40000

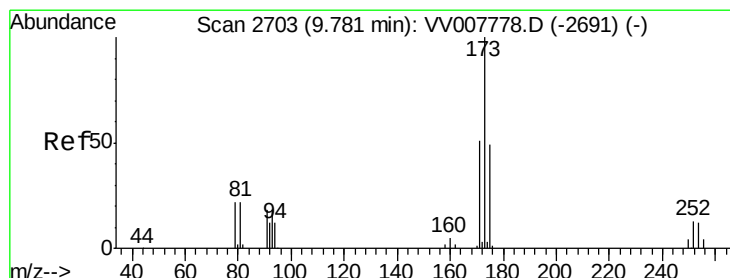
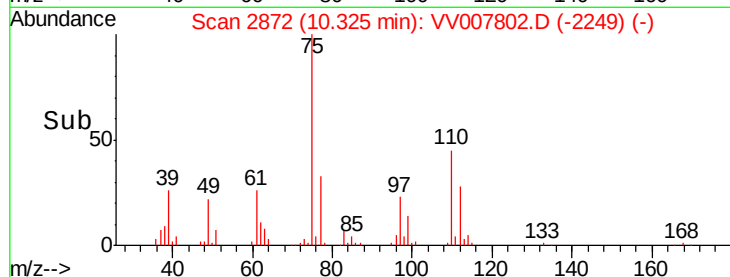
30000

20000

10000

0

Time--> 10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 47.247 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

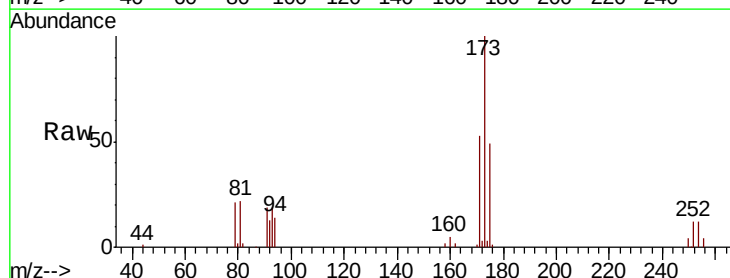
Tgt Ion: 173 Resp: 49236

Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 11.5 9.7 14.5



Abundance Ion 173.00 (172.70 to 173.70): VV007778.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV007778.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV007778.D (-2691) (-)

9.78

40000

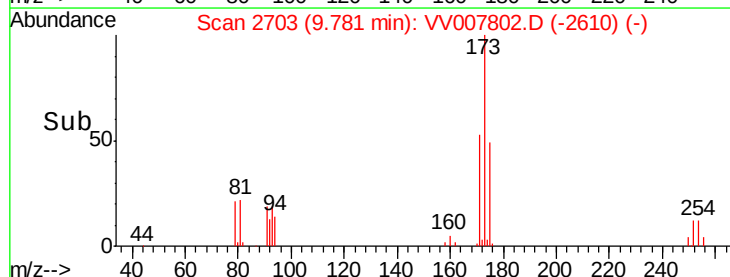
30000

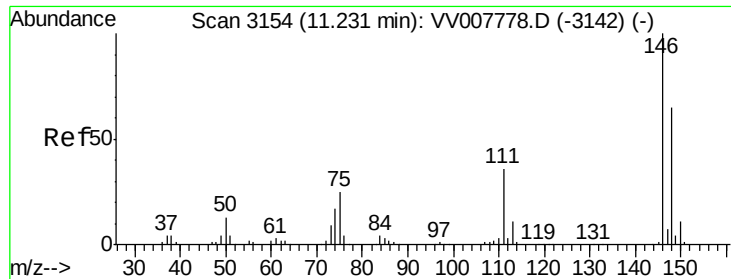
20000

10000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 47.670 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

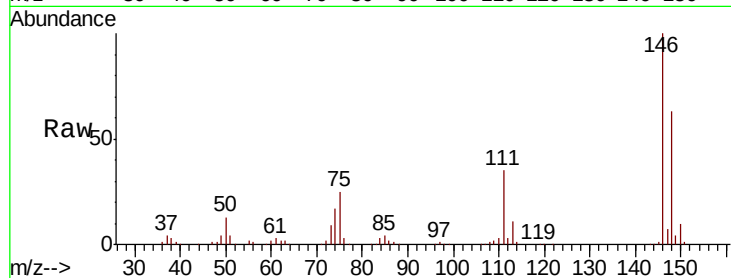
Tgt Ion:146 Resp: 151376

Ion Ratio Lower Upper

146 100

111 34.6 25.1 46.7

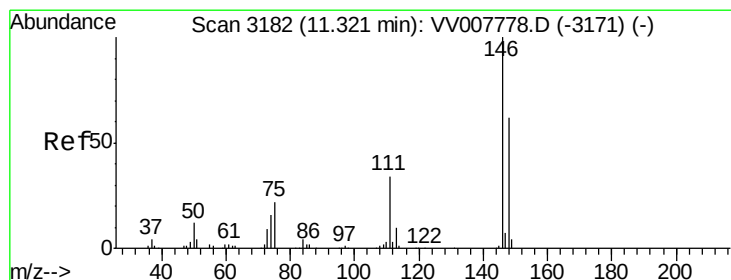
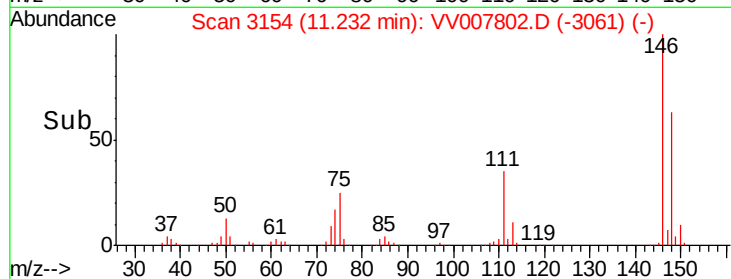
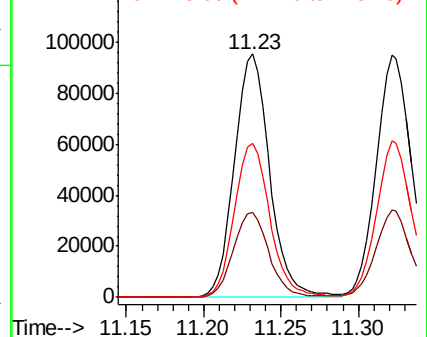
148 63.3 45.1 83.9



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: 47.058 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

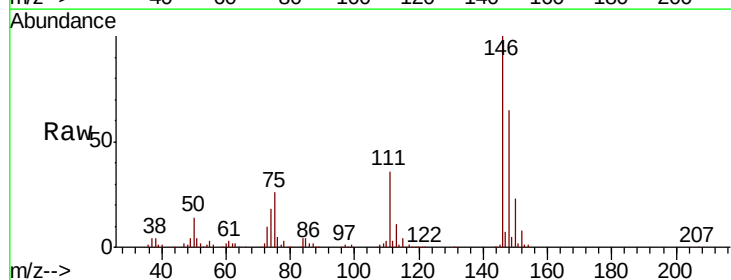
Tgt Ion:146 Resp: 154996

Ion Ratio Lower Upper

146 100

111 36.1 24.4 45.4

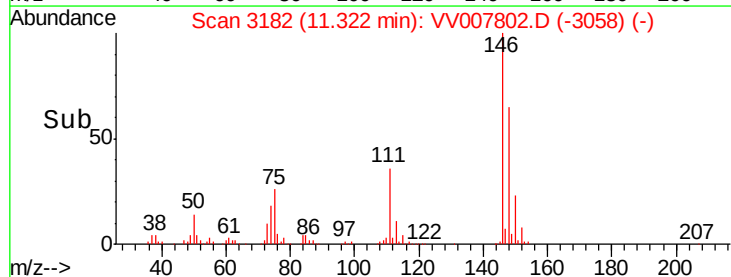
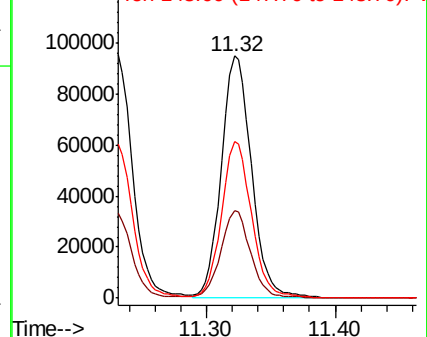
148 64.8 45.1 83.7

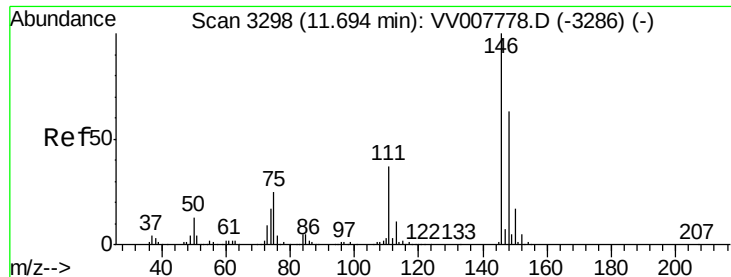


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.310 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

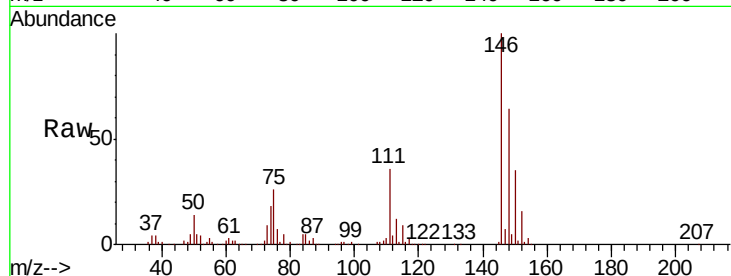
Tgt Ion: 146 Resp: 155117

Ion Ratio Lower Upper

146 100

111 36.4 29.8 44.8

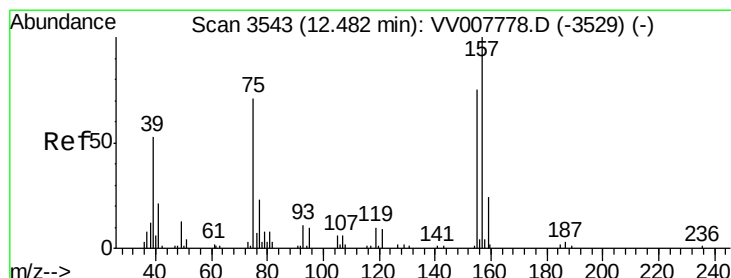
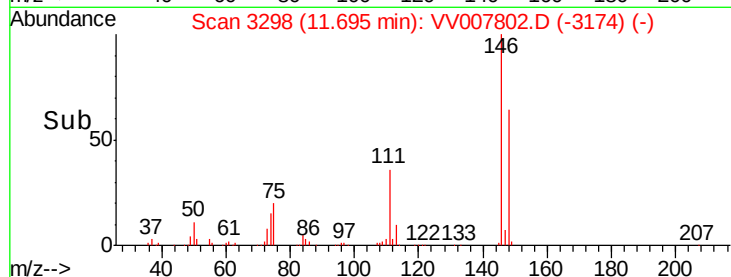
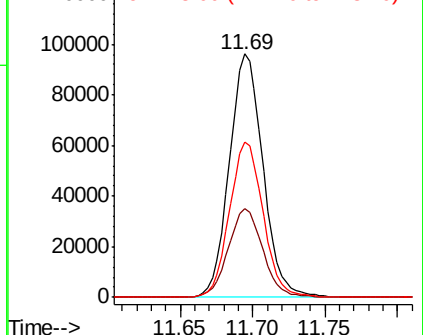
148 63.6 50.8 76.2



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: 45.158 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

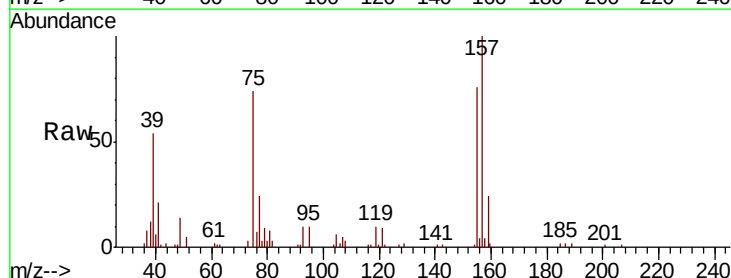
Tgt Ion: 75 Resp: 17535

Ion Ratio Lower Upper

75 100

155 102.6 86.0 129.0

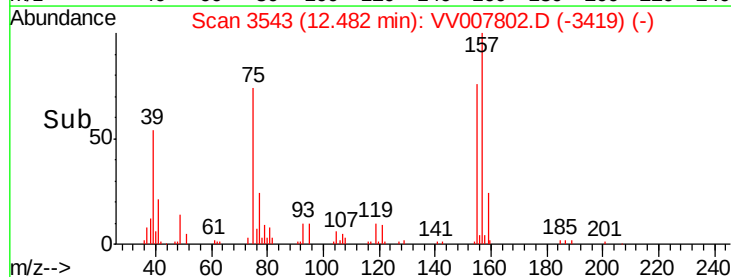
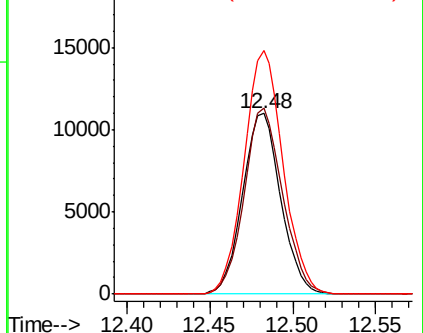
157 134.6 111.5 167.3

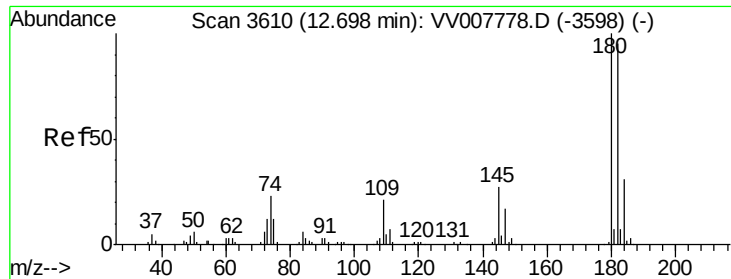


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

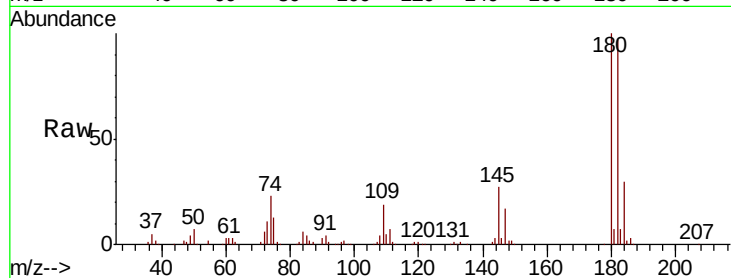




#67
 1,3,5-Trichlorobenzene
 Concen: 45.932 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.6	116.4
184	30.6	24.7	37.1
145	27.1	21.8	32.8



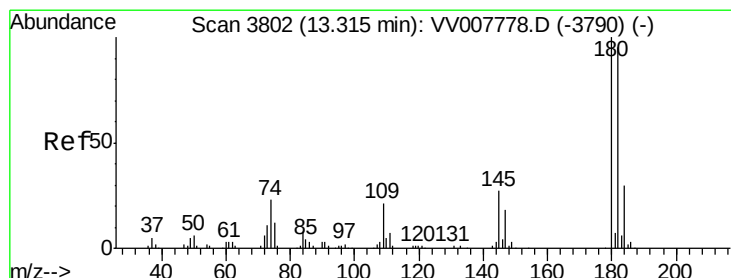
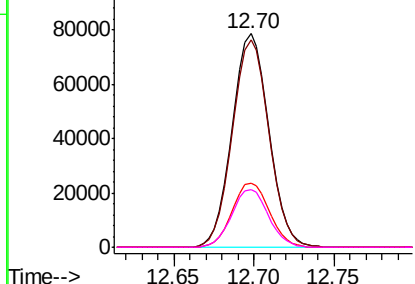
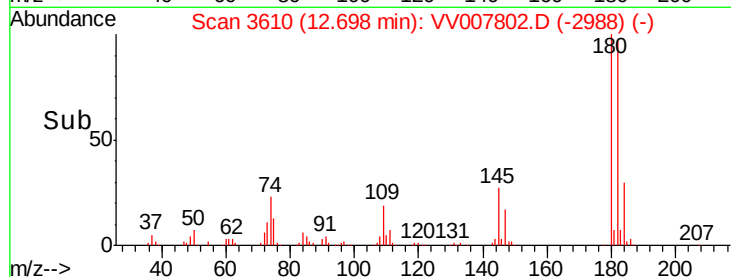
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

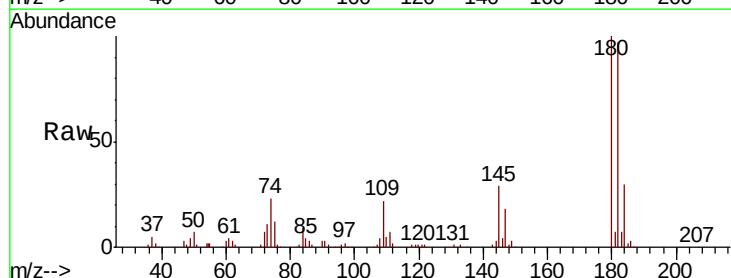
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.157 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007802.D
 Acq: 23 Sep 2018 20:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.0	115.6
145	28.5	22.2	33.2

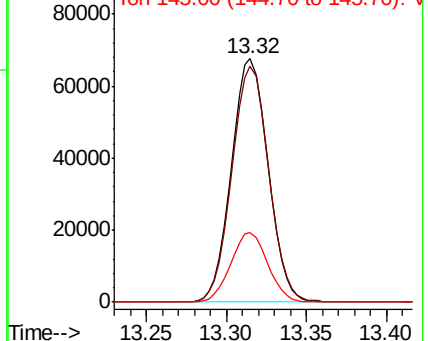
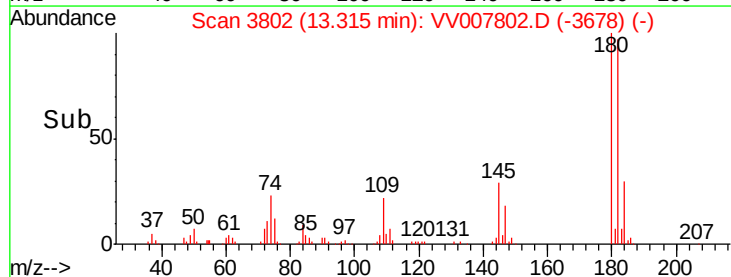


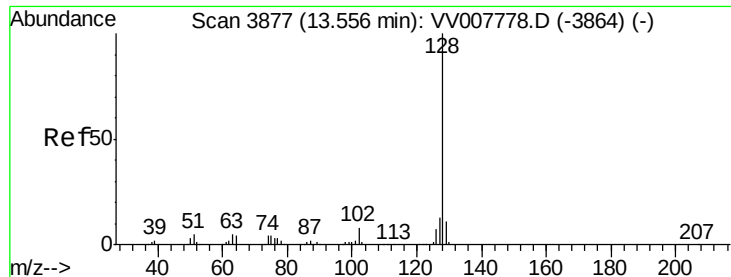
Abundance

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: 44.038 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

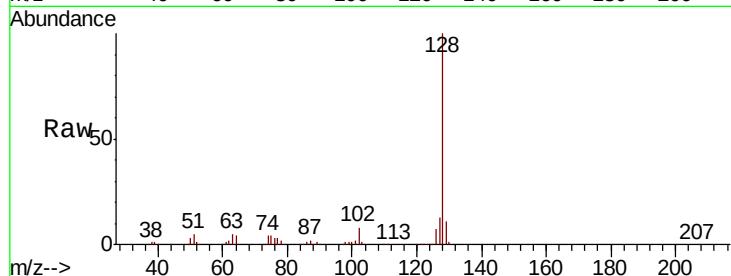
Tgt Ion:128 Resp: 270253

Ion Ratio Lower Upper

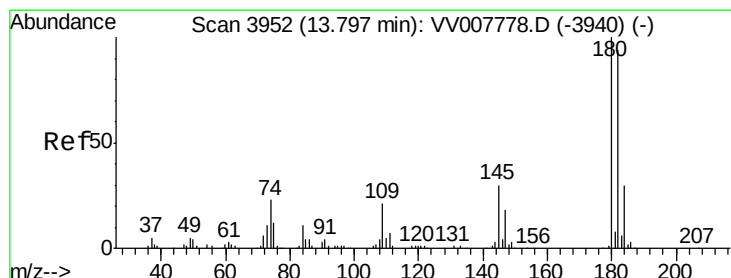
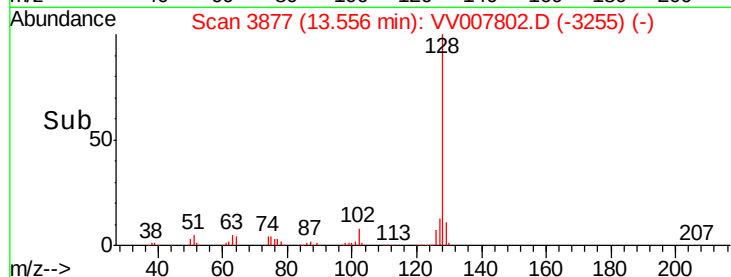
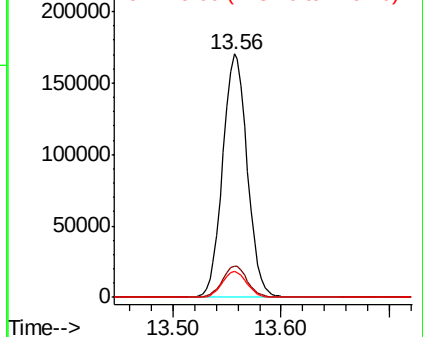
128 100

127 13.0 10.6 15.8

129 10.7 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: 44.953 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007802.D

Acq: 23 Sep 2018 20:56

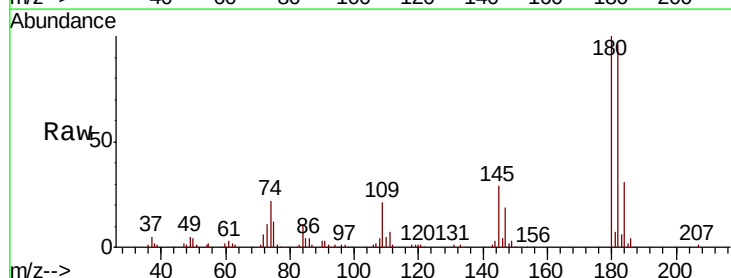
Tgt Ion:180 Resp: 108756

Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.2

145 29.5 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

