

Data File : VV008569.D
Acq On : 15 Nov 2018 12:20
Operator : SY/MD
Sample : VSTD05070
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: Nov 16 03:59:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	280386	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	251010	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	116508	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89844	79.80	ug/L	0.00
7) Chloroethane-d5	1.57	69	61695	70.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	156733	66.84	ug/L	0.00
21) 2-Butanone-d5	3.94	46	157326	103.32	ug/L	0.00
24) Chloroform-d	4.41	84	194945	61.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	124793	60.75	ug/L	0.00
32) Benzene-d6	5.10	84	399010	69.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	124721	63.85	ug/L	0.00
41) Toluene-d8	7.36	98	362939	70.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	62551	68.99	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	117354	109.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	167859	58.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	128547	60.95	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	107512	49.247	ug/L	100
3) Chloromethane	1.25	50	98889	45.402	ug/L	100
5) Vinyl chloride	1.32	62	96693	48.393	ug/L	100
6) Bromomethane	1.52	94	28867	47.551	ug/L	100
8) Chloroethane	1.59	64	51426	47.809	ug/L	100
9) Trichlorofluoromethane	1.76	101	128148	48.672	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73392	50.602	ug/L	100
12) 1,1-Dichloroethene	2.14	96	67655	50.170	ug/L	100
13) Acetone	2.19	43	121693	87.691	ug/L	100
14) Carbon disulfide	2.32	76	269151	48.501	ug/L	100
15) Methyl Acetate	2.46	43	115484	45.564	ug/L	100
16) Methylene chloride	2.54	84	101547	48.069	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	93287	48.461	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	325230	49.149	ug/L	100
19) 1,1-Dichloroethane	3.23	63	182520	47.955	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	108191	49.034	ug/L	100
22) 2-Butanone	4.02	43	171623	89.958	ug/L	100
23) Bromochloromethane	4.30	128	50106	48.291	ug/L	100
25) Chloroform	4.43	83	191642	49.697	ug/L	100
27) 1,2-Dichloroethane	5.18	62	145009	47.433	ug/L	100
29) Cyclohexane	4.73	56	178398	51.361	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	162944	50.458	ug/L	100
31) Carbon tetrachloride	4.88	117	139101	51.109	ug/L	100
33) Benzene	5.15	78	406690	51.799	ug/L	100
34) Trichloroethene	5.96	95	103753	51.137	ug/L	100
35) Methylcyclohexane	6.18	83	177849	52.877	ug/L	100
37) 1,2-Dichloropropane	6.23	63	108875	50.759	ug/L	100
38) Bromodichloromethane	6.56	83	136133	50.591	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	164578	51.330	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	298602	96.375	ug/L	100

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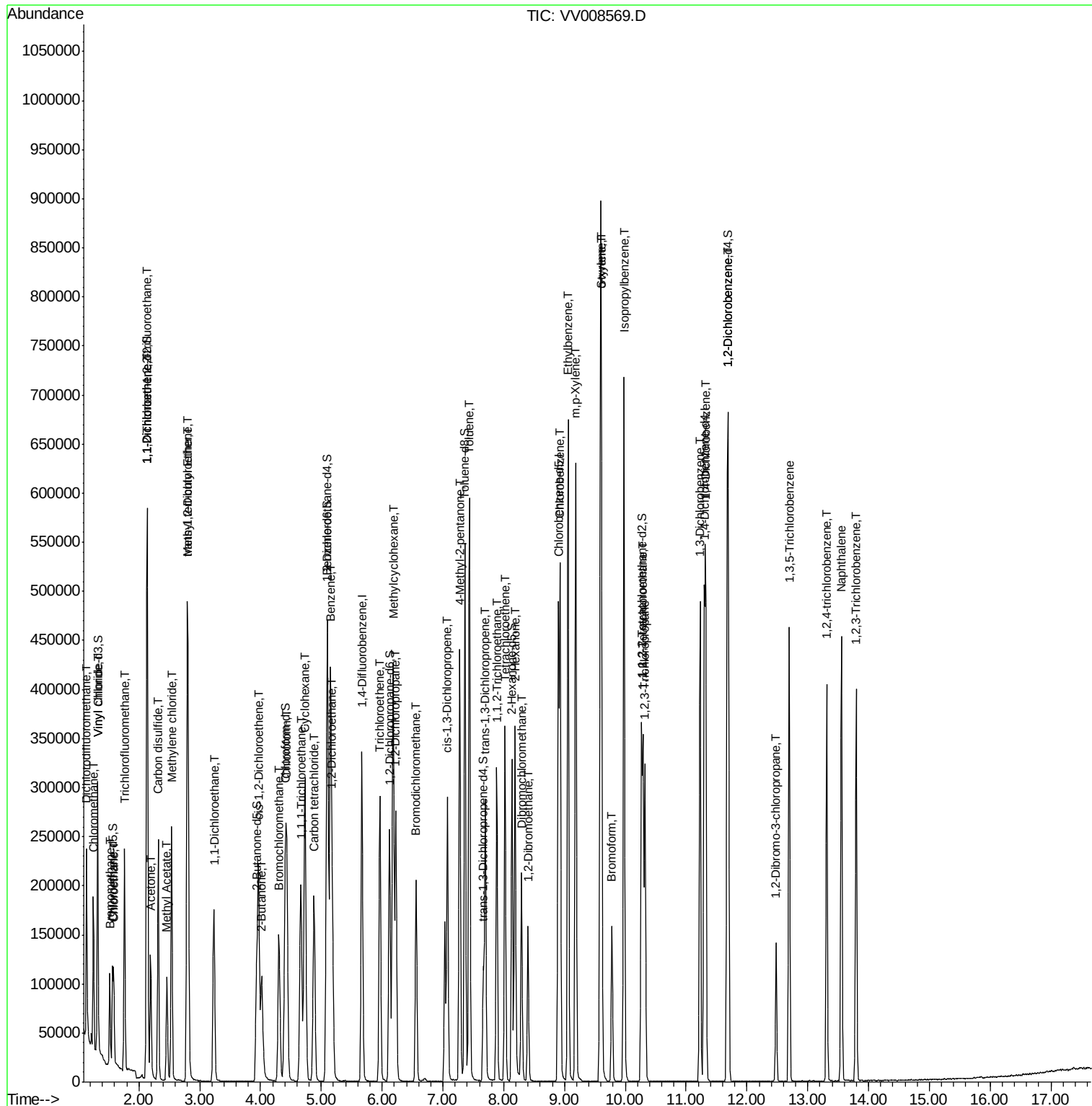
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	426043	51.679	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	156710	53.107	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	97437	50.558	ug/L	100
46) Tetrachloroethene	8.02	164	76896	52.977	ug/L	100
48) 2-Hexanone	8.19	43	234615	99.564	ug/L	100
49) Dibromochloromethane	8.29	129	104801	52.403	ug/L	100
50) 1,2-Dibromoethane	8.40	107	103281	51.262	ug/L	100
51) Chlorobenzene	8.93	112	262984	50.673	ug/L	100
52) Ethylbenzene	9.06	91	468614	51.261	ug/L	100
53) m,p-Xylene	9.18	106	173749	51.945	ug/L	100
54) o-xylene	9.59	106	171154	51.023	ug/L	100
55) Styrene	9.61	104	283508	51.824	ug/L	100
56) Isopropylbenzene	9.98	105	452134	51.582	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	162164	51.108	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	132112	49.424	ug/L	100
61) Bromoform	9.78	173	69389	49.388	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	191138	49.434	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	192586	50.198	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	197843	50.410	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	35515	49.422	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	135484	53.214	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	113059	57.073	ug/L	100
69) Naphthalene	13.55	128	343026	57.337	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	113624	56.634	ug/L	100

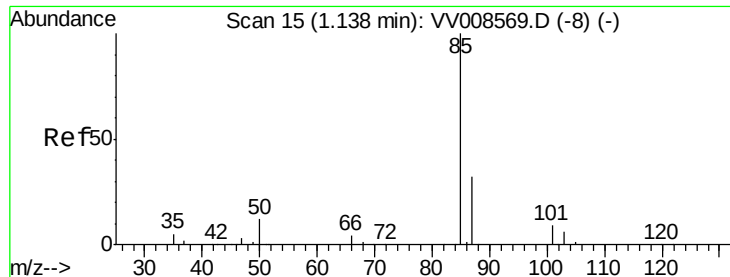
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.247 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

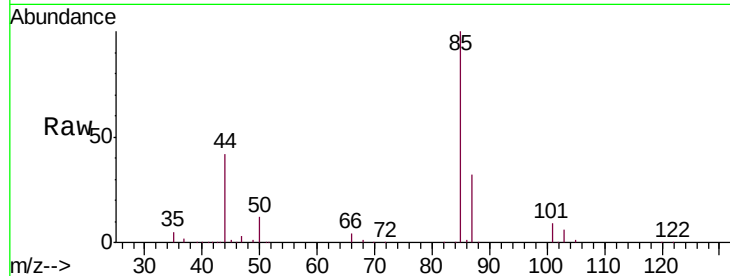
VSTD05070

Tgt Ion: 85 Resp: 107512

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008569.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008569.D (-8) (-)

1.14

120000

100000

80000

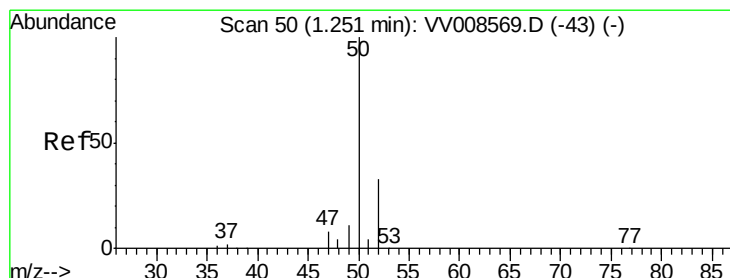
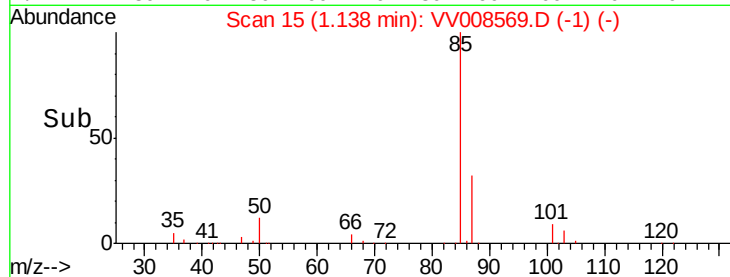
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.402 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008569.D

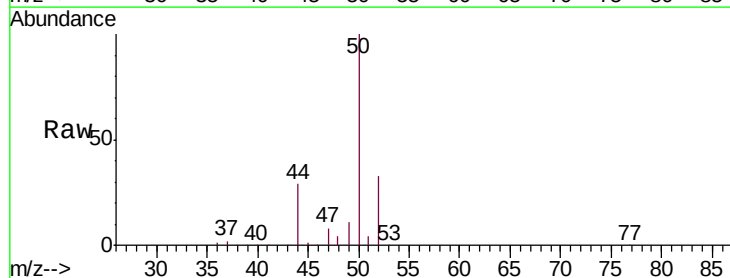
Acq: 15 Nov 2018 12:20

Tgt Ion: 50 Resp: 98889

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008569.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008569.D (-43) (-)

1.25

100000

80000

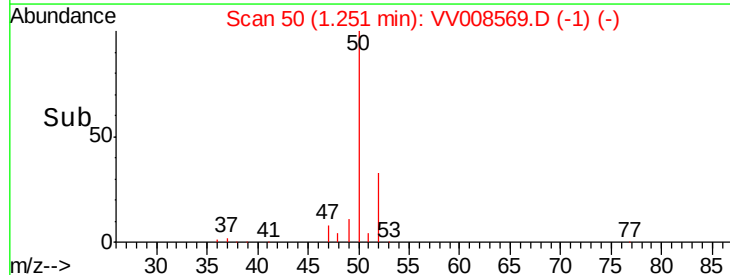
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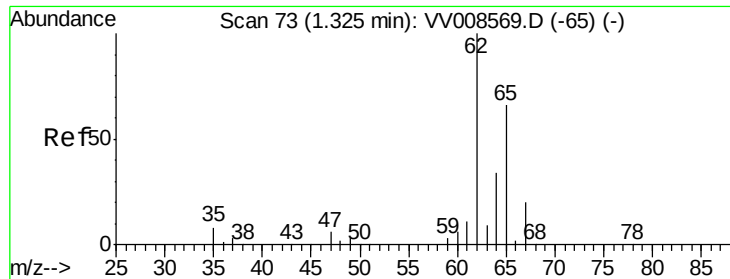
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.393 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

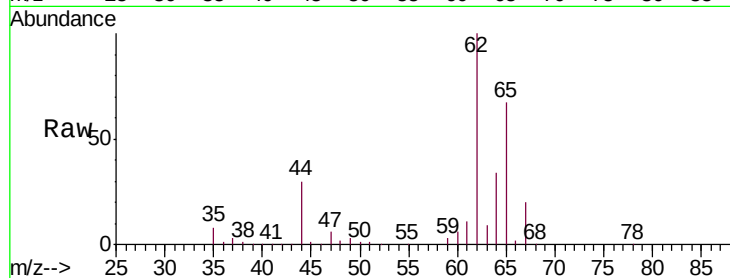
VSTD05070

Tgt Ion: 62 Resp: 96693

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV008569.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV008569.D (-65) (-)

1.32

100000

80000

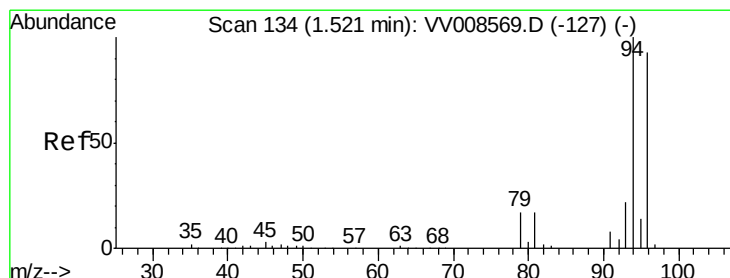
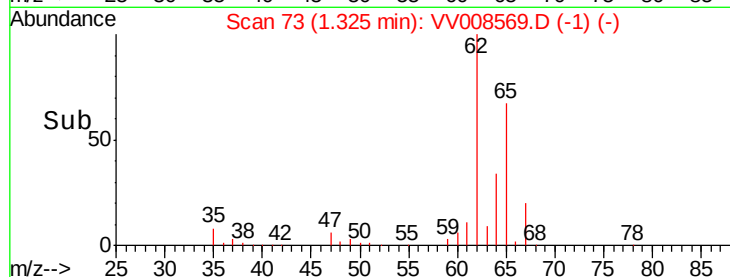
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 47.551 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV008569.D

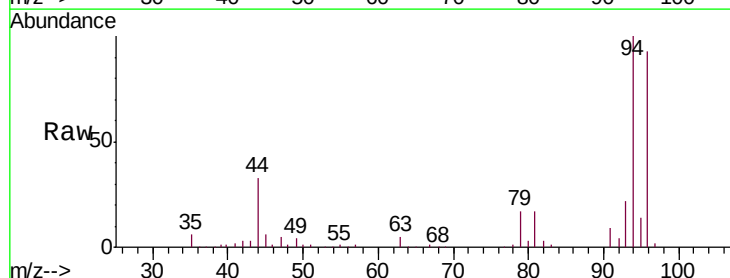
Acq: 15 Nov 2018 12:20

Tgt Ion: 94 Resp: 28867

Ion Ratio Lower Upper

94 100

96 92.9 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV008569.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV008569.D (-127) (-)

1.52

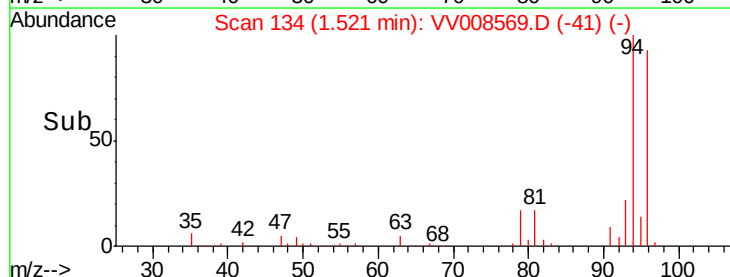
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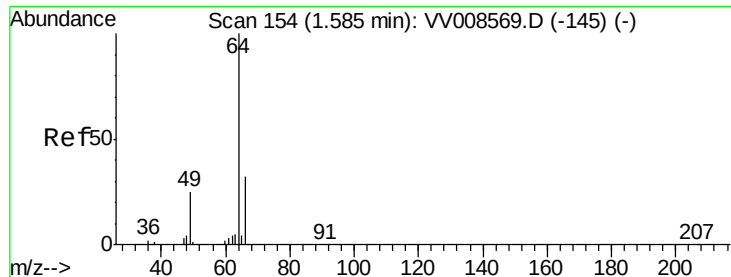
20000

10000

0

Time-->





#8

Chloroethane

Concen: 47.809 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

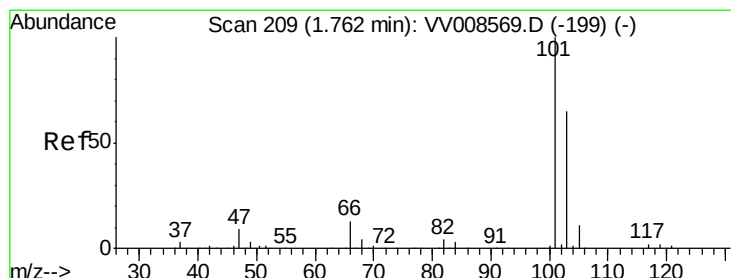
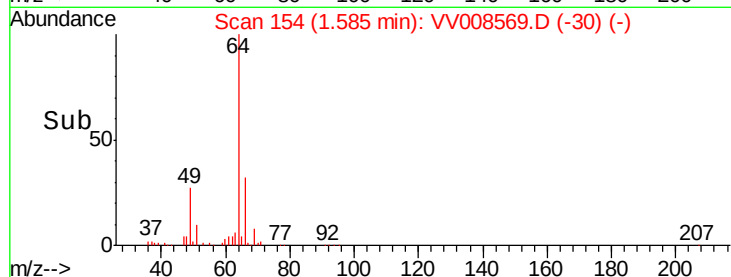
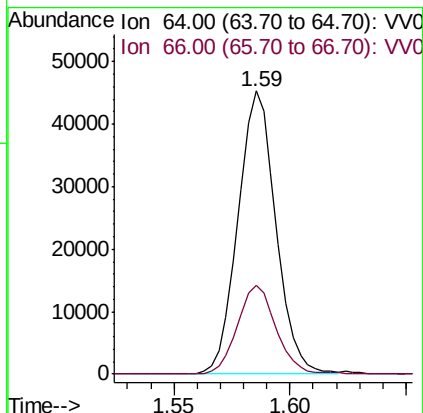
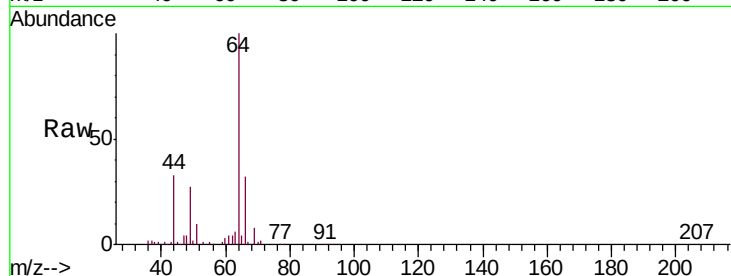
VSTD05070

Tgt Ion: 64 Resp: 51426

Ion Ratio Lower Upper

64 100

66 31.5 22.0 41.0



#9

Trichlorofluoromethane

Concen: 48.672 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV008569.D

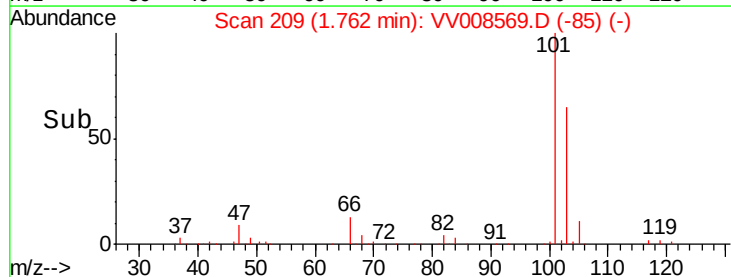
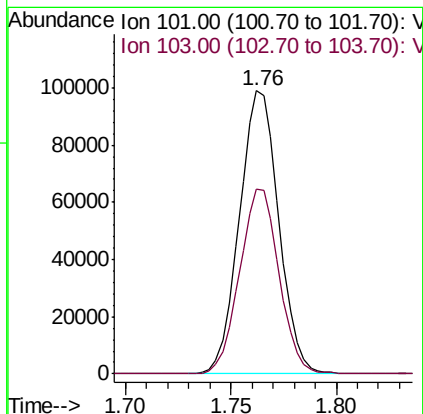
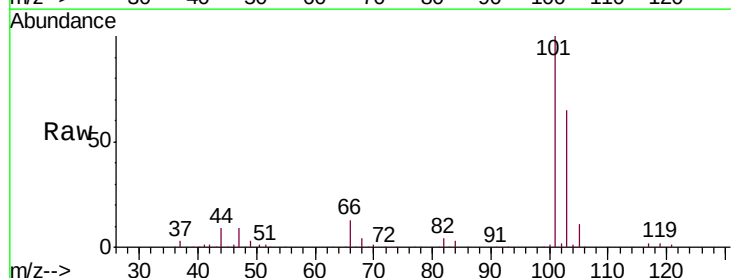
Acq: 15 Nov 2018 12:20

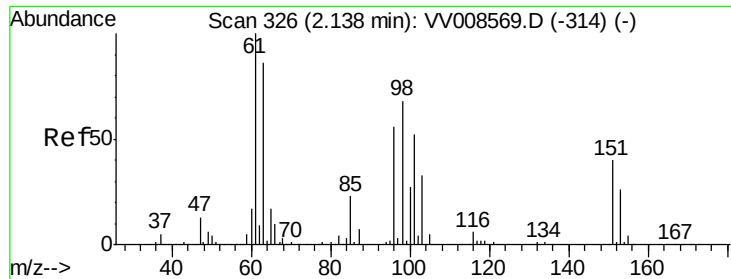
Tgt Ion: 101 Resp: 128148

Ion Ratio Lower Upper

101 100

103 65.6 52.5 78.7





#10

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

Concen: 50.602 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

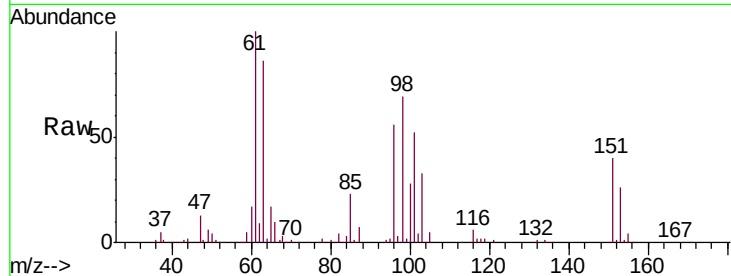
Tgt Ion: 101 Resp: 73392

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

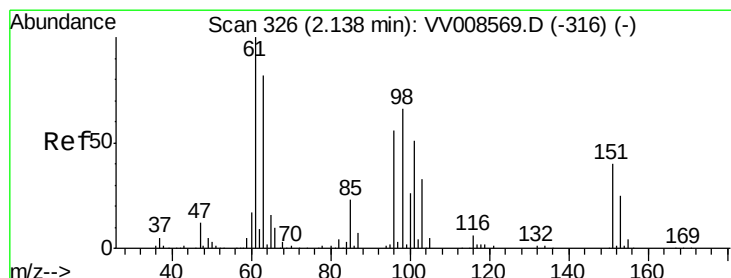
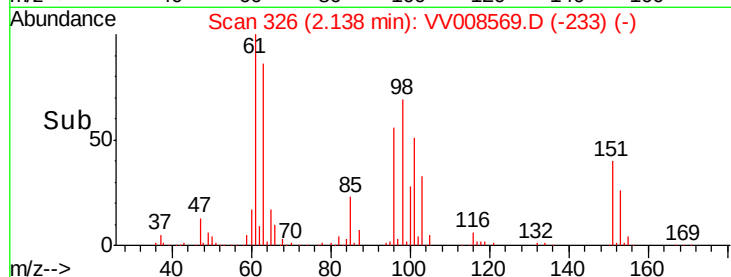
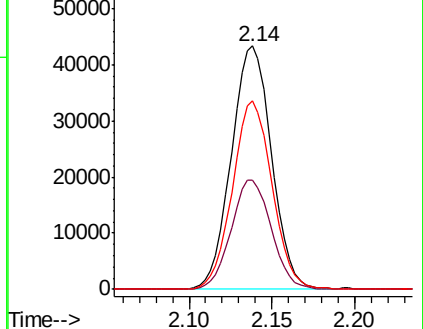
151 76.1 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008569.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008569.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008569.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 50.170 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

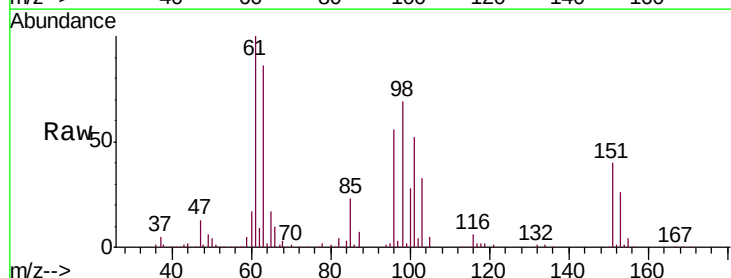
Tgt Ion: 96 Resp: 67655

Ion Ratio Lower Upper

96 100

61 179.4 125.6 233.2

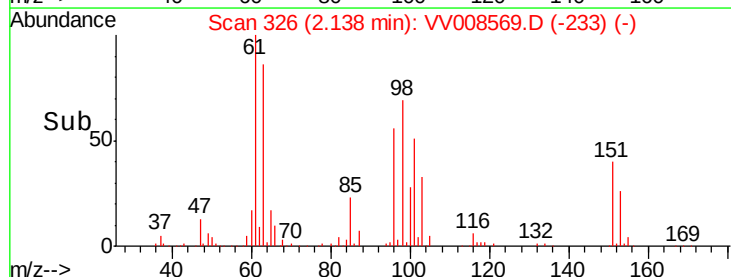
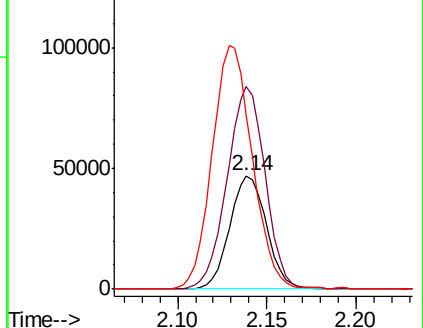
63 154.7 108.3 201.1

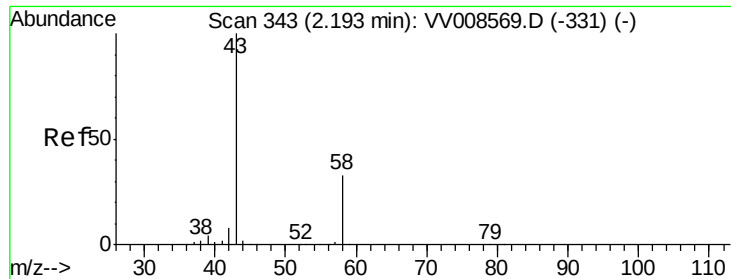


Abundance Ion 96.00 (95.70 to 96.70): VV008569.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV008569.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008569.D (-316) (-)





#13

Acetone

Concen: 87.691 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

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ClientSampleId :

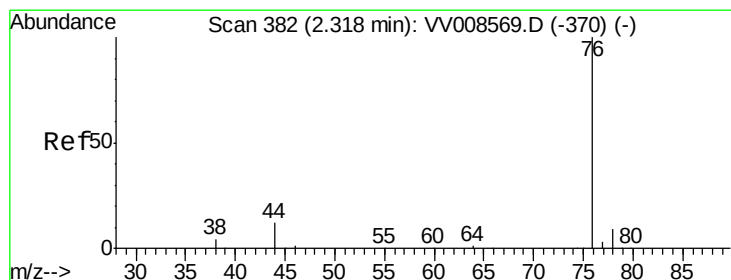
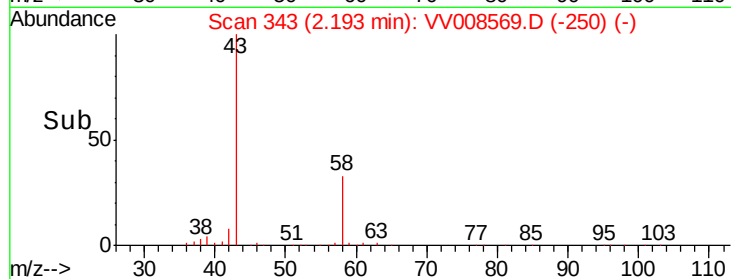
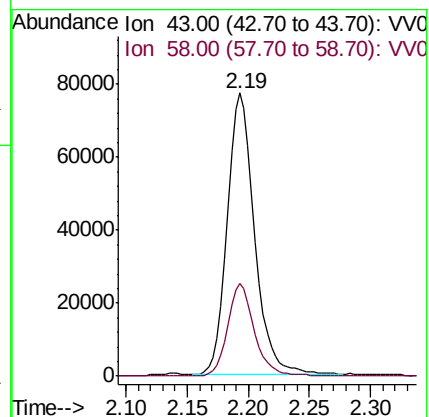
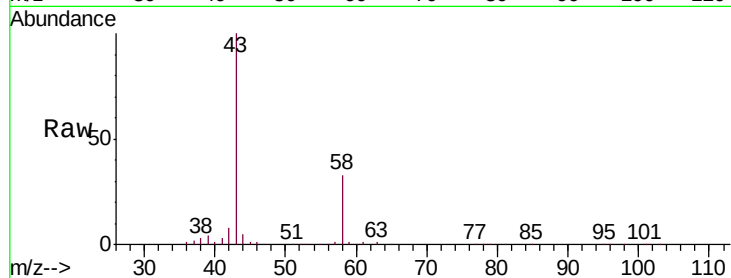
VSTD05070

Tgt Ion: 43 Resp: 121693

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.2



#14

Carbon disulfide

Concen: 48.501 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008569.D

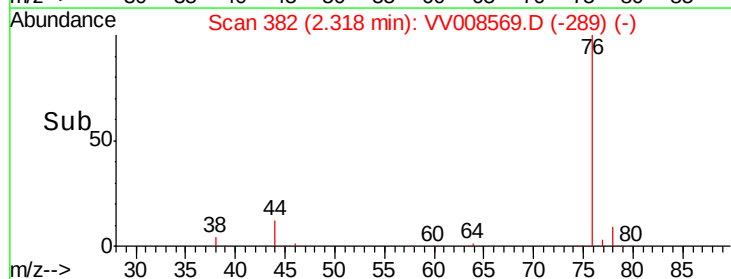
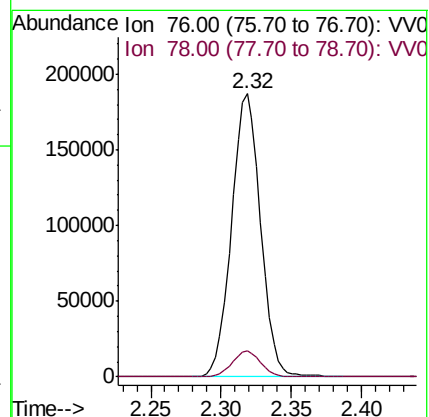
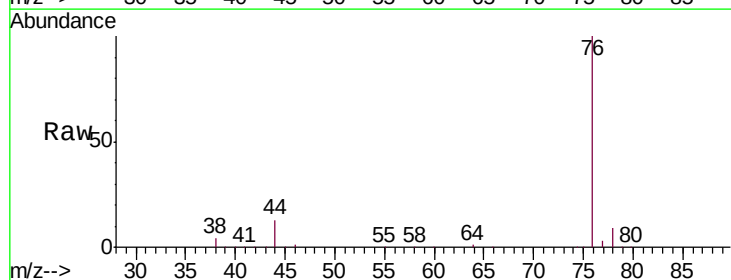
Acq: 15 Nov 2018 12:20

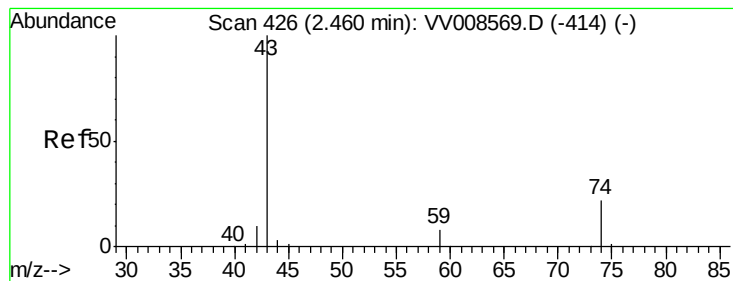
Tgt Ion: 76 Resp: 269151

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 45.564 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

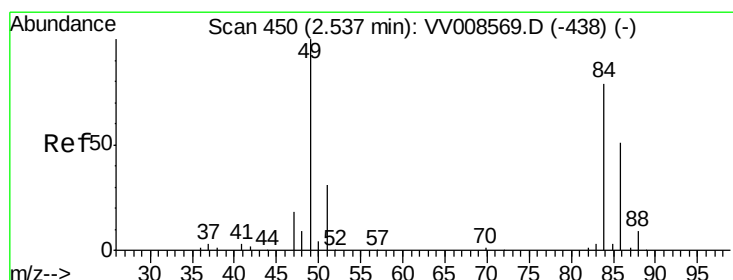
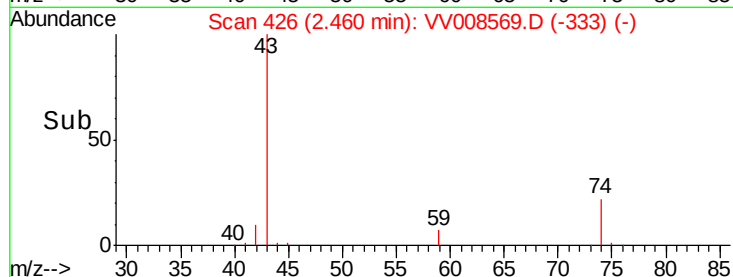
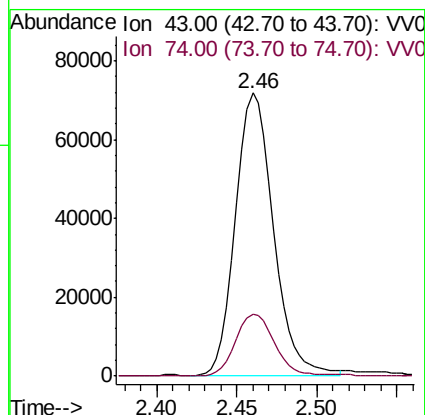
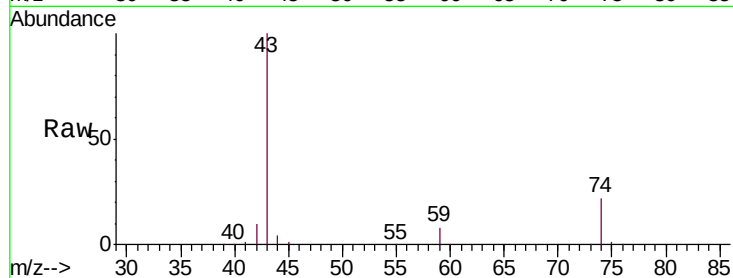
VSTD05070

Tgt Ion: 43 Resp: 115484

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.4



#16

Methylene chloride

Concen: 48.069 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

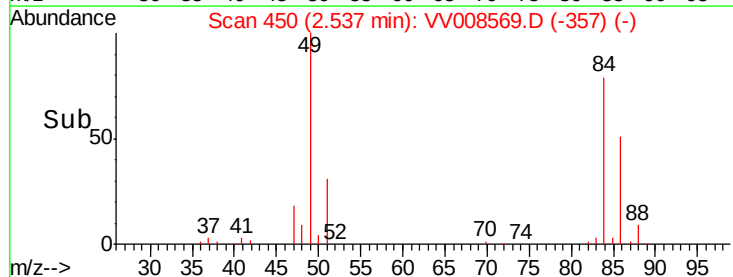
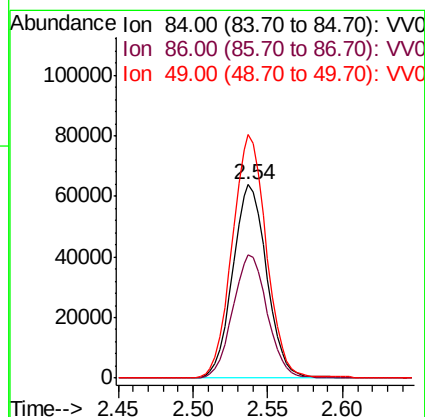
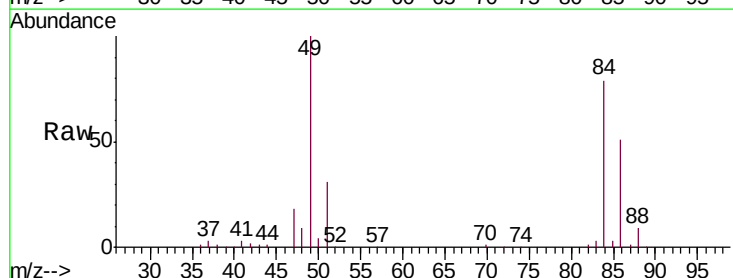
Tgt Ion: 84 Resp: 101547

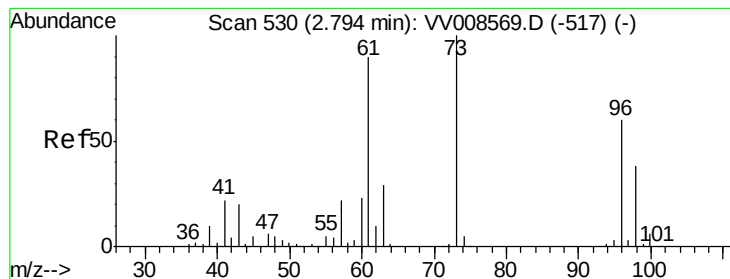
Ion Ratio Lower Upper

84 100

86 64.0 44.8 83.2

49 125.9 88.1 163.7





#17

trans-1,2-Dichloroethene

Concen: 48.461 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

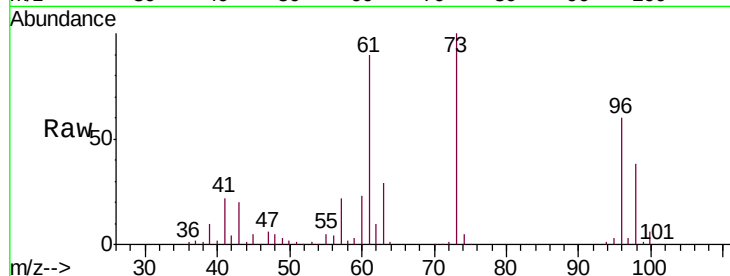
Tgt Ion: 96 Resp: 93287

Ion Ratio Lower Upper

96 100

61 149.9 104.9 194.9

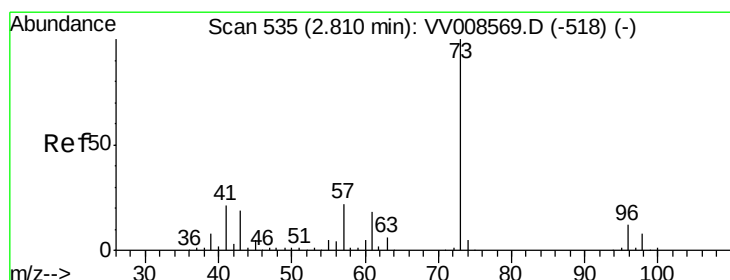
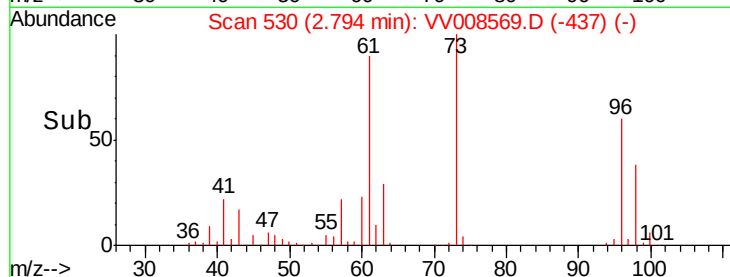
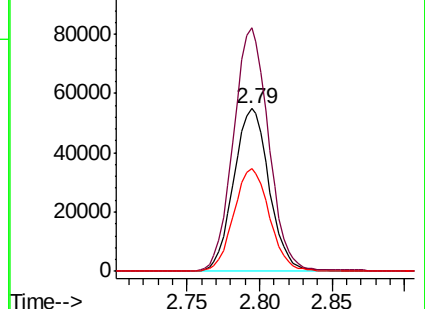
98 63.1 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008569.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008569.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008569.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 49.149 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

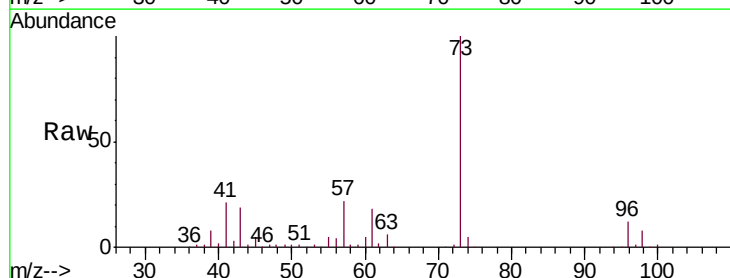
Tgt Ion: 73 Resp: 325230

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

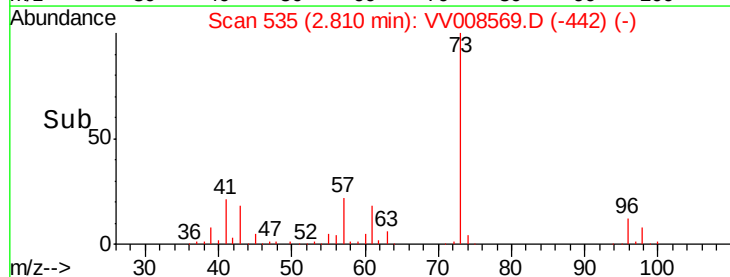
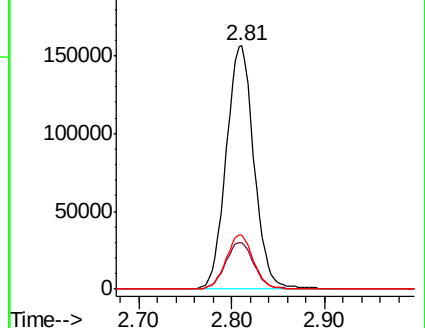
57 21.9 17.5 26.3

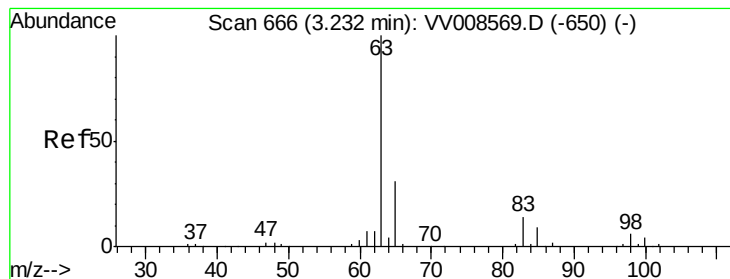


Abundance Ion 73.00 (72.70 to 73.70): VV008569.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008569.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008569.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 47.955 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

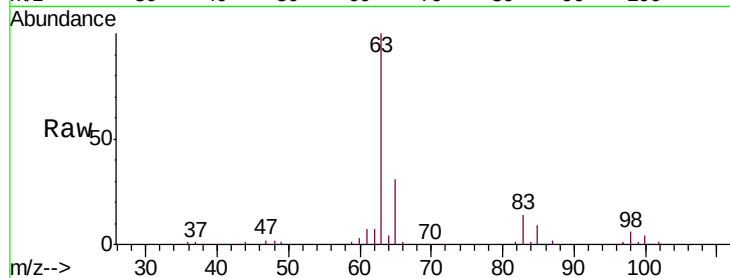
Tgt Ion: 63 Resp: 182520

Ion Ratio Lower Upper

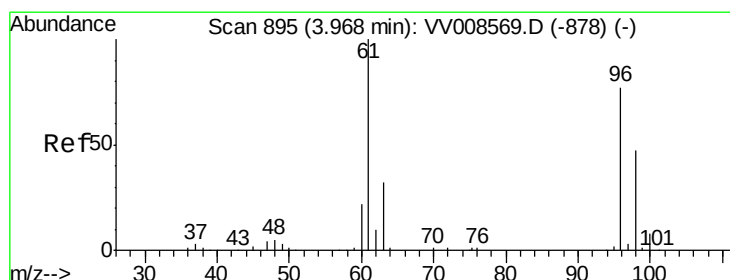
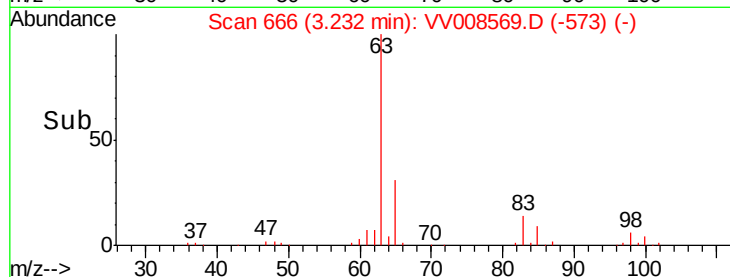
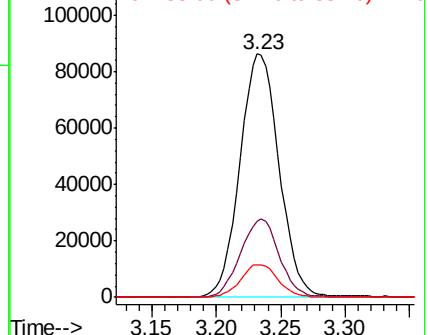
63 100

65 31.2 21.8 40.6

83 13.6 9.5 17.7



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: 49.034 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

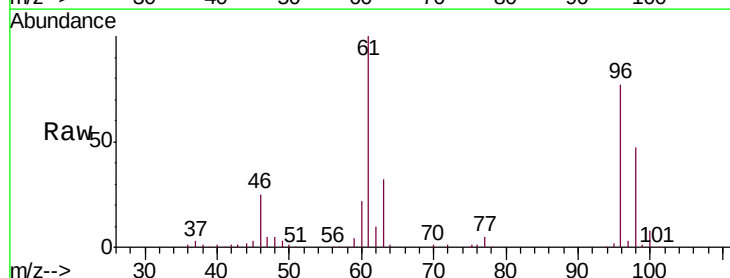
Tgt Ion: 96 Resp: 108191

Ion Ratio Lower Upper

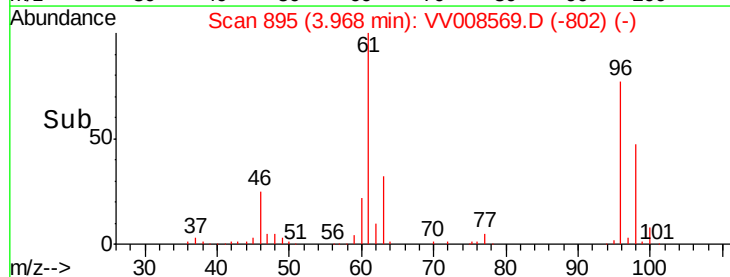
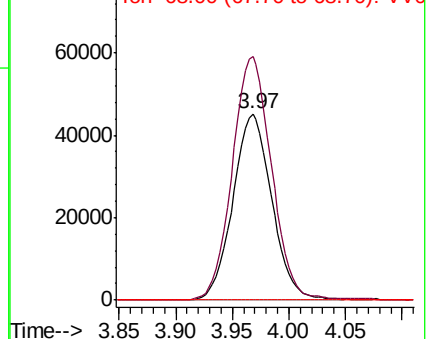
96 100

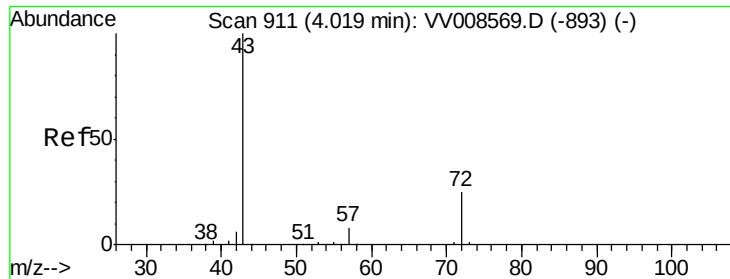
61 130.5 91.3 169.6

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: 89.958 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

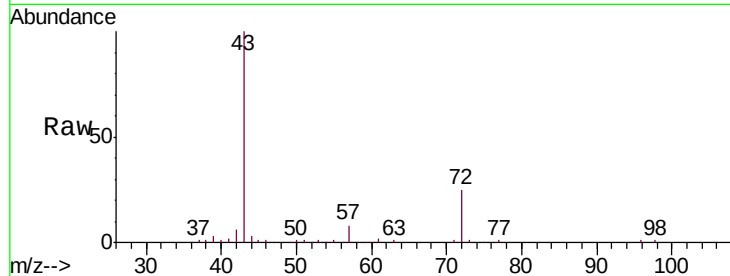
VSTD05070

Tgt Ion: 43 Resp: 171623

Ion Ratio Lower Upper

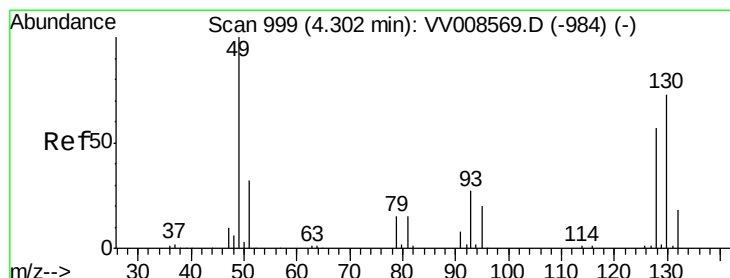
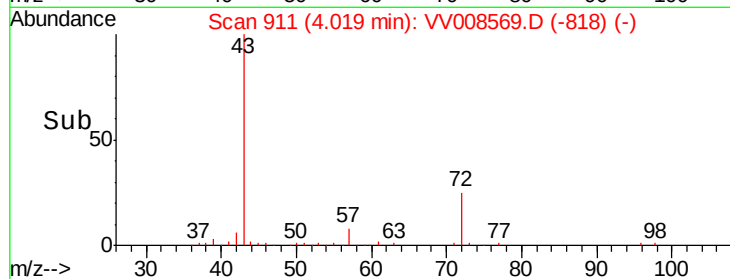
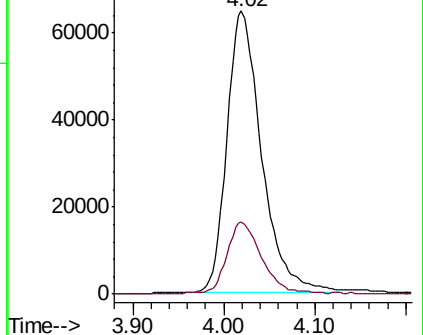
43 100

72 24.9 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008569.D (-893) (-)



#23

Bromochloromethane

Concen: 48.291 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Tgt Ion: 128 Resp: 50106

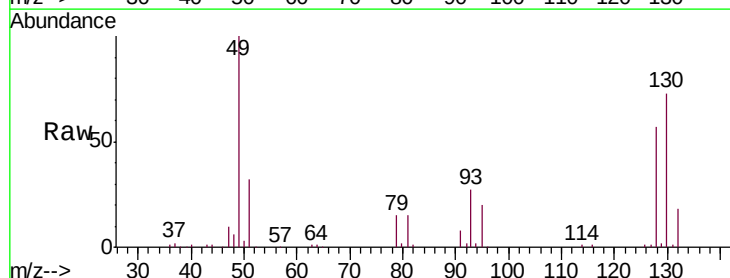
Ion Ratio Lower Upper

128 100

49 175.5 122.8 228.1

130 128.5 89.9 167.0

51 55.4 44.3 66.5

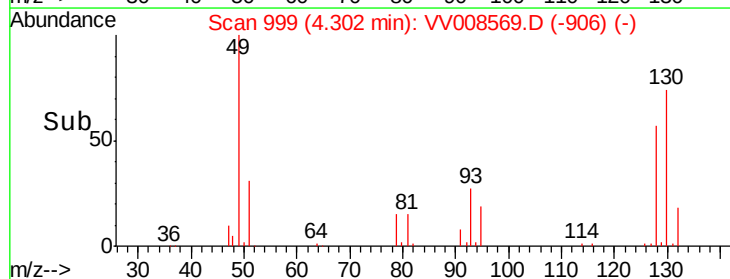
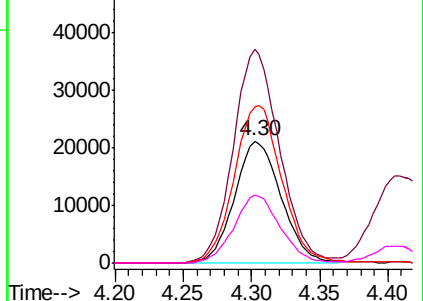


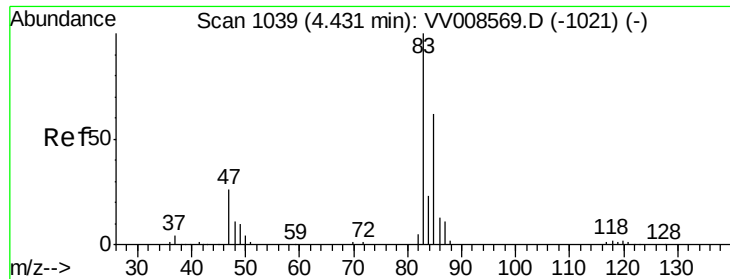
Abundance Ion 128.00 (127.70 to 128.70): VV008569.D (-984) (-)

Ion 49.00 (48.70 to 49.70): VV008569.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV008569.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV008569.D (-984) (-)

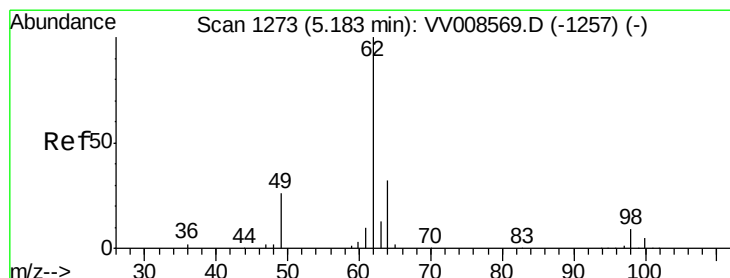
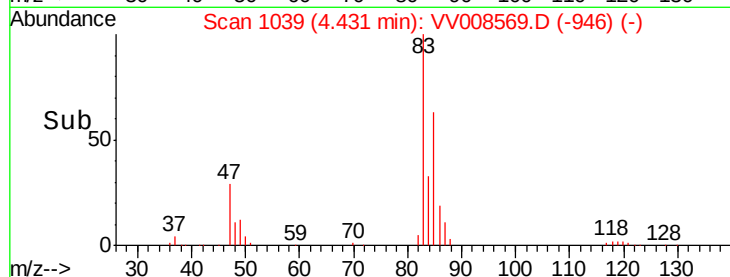
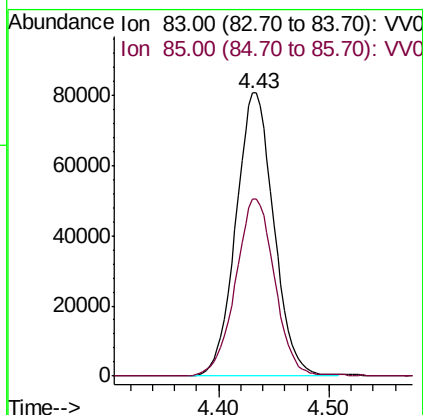
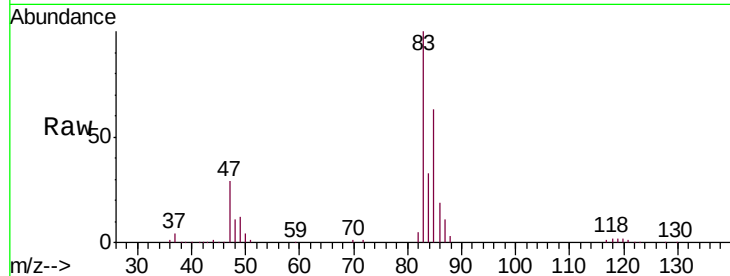




#25
Chloroform
Concen: 49.697 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

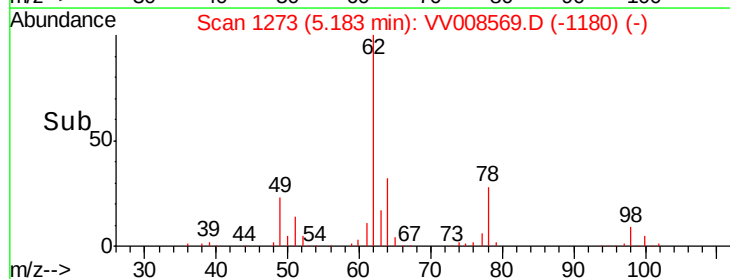
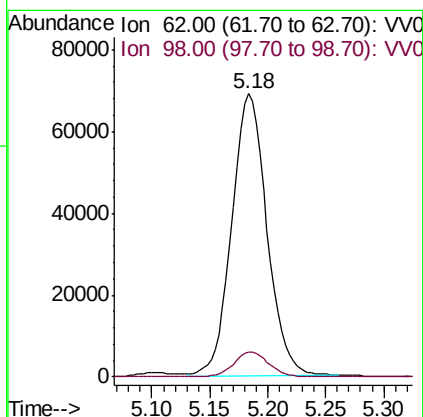
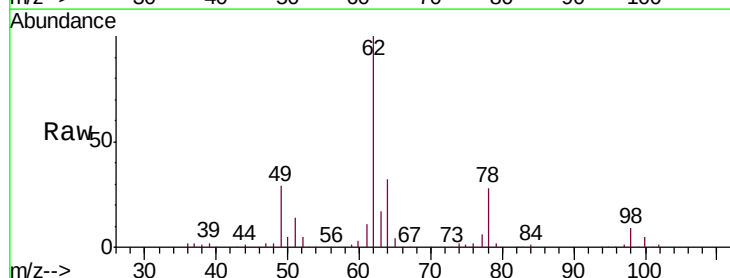
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

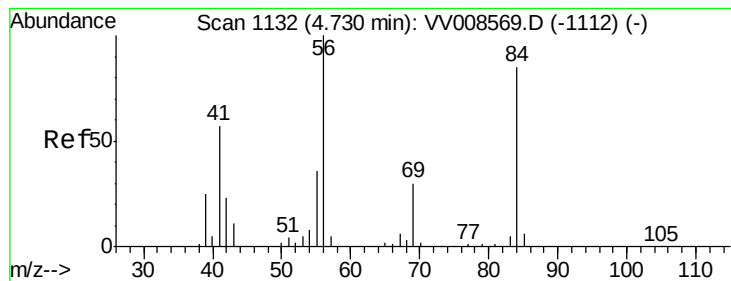
Tgt Ion: 83 Resp: 191642
Ion Ratio Lower Upper
83 100
85 62.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 47.433 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

Tgt Ion: 62 Resp: 145009
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#29

Cyclohexane

Concen: 51.361 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

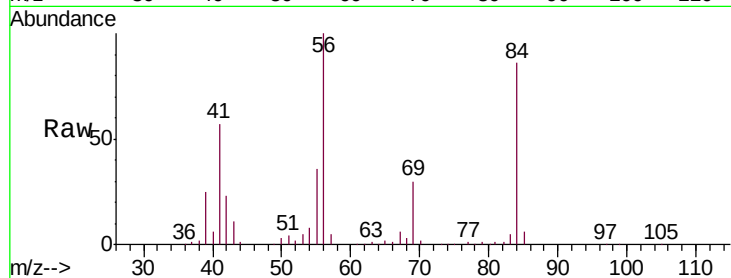
Tgt Ion: 56 Resp: 178398

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

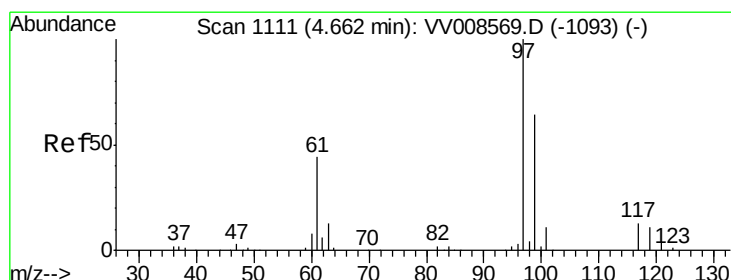
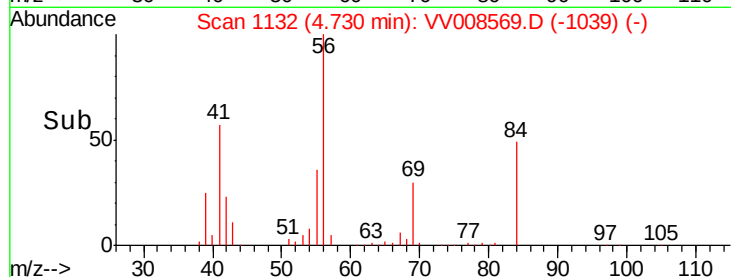
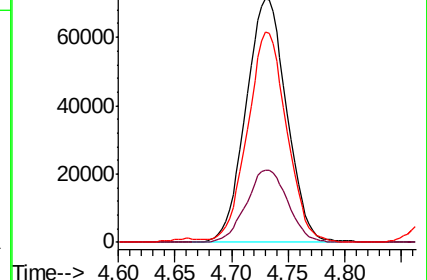
84 82.5 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008569.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV008569.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV008569.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 50.458 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

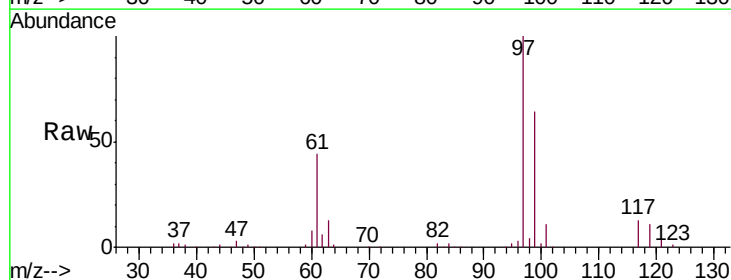
Tgt Ion: 97 Resp: 162944

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

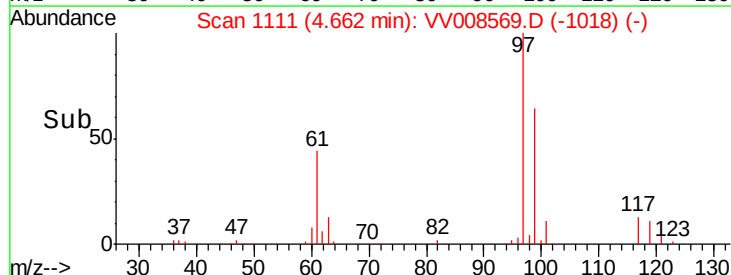
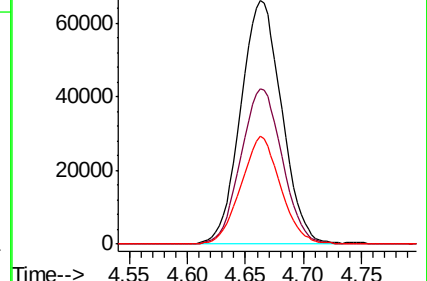
61 42.9 34.3 51.5

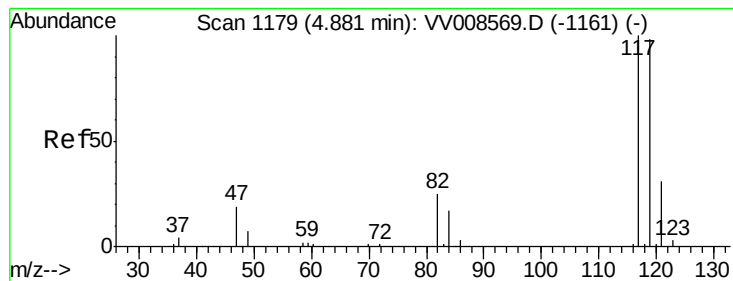


Abundance Ion 97.00 (96.70 to 97.70): VV008569.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008569.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008569.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 51.109 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

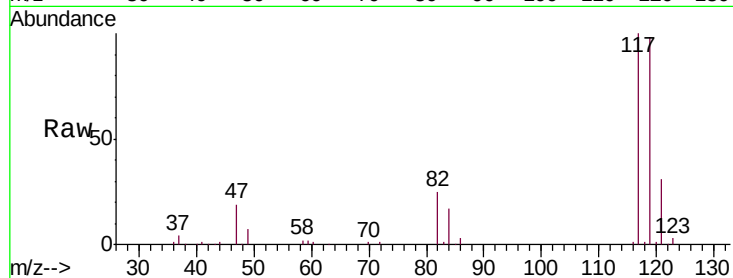
VSTD05070

Tgt Ion:117 Resp: 139101

Ion Ratio Lower Upper

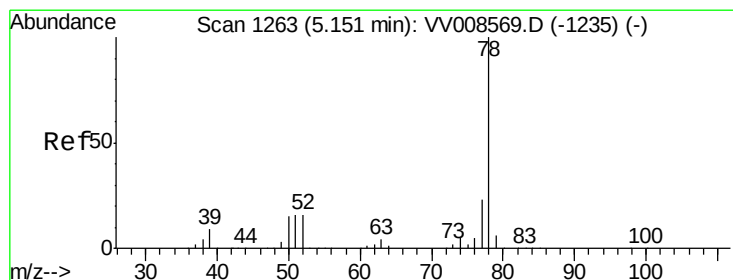
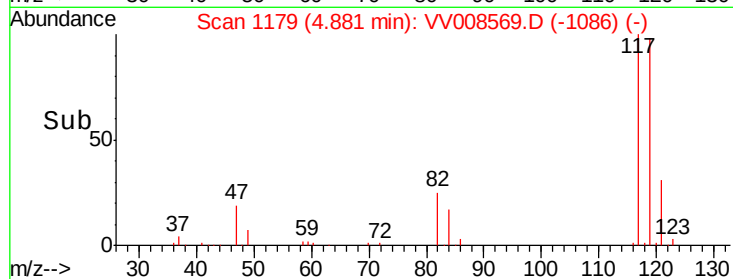
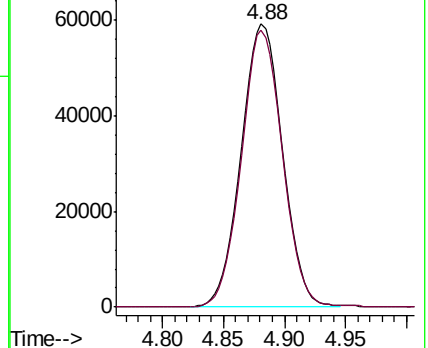
117 100

119 96.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.799 ug/L

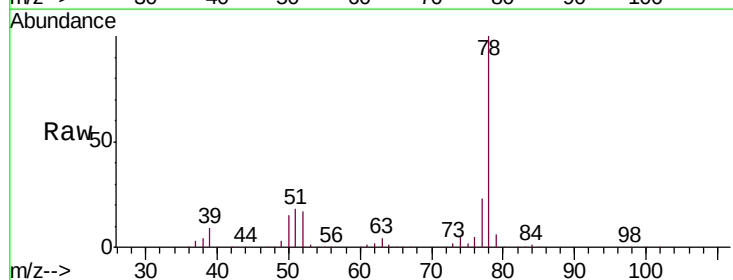
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

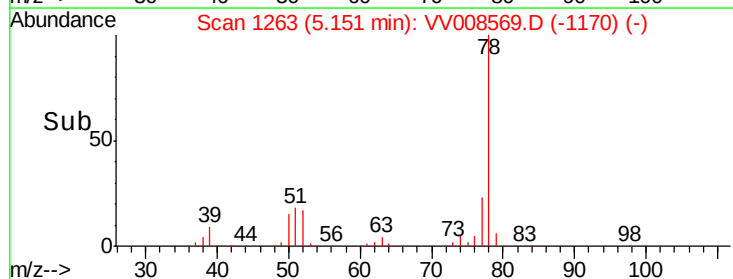
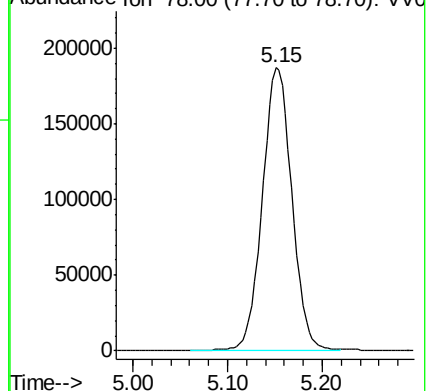
Lab File: VV008569.D

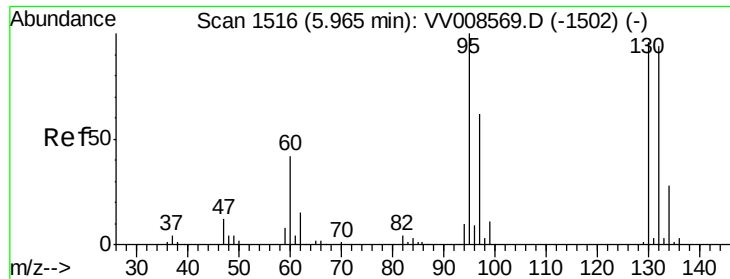
Acq: 15 Nov 2018 12:20

Tgt Ion: 78 Resp: 406690



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.137 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 95 Resp: 103753

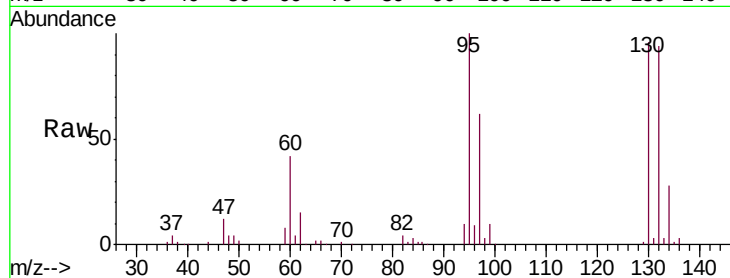
Ion Ratio Lower Upper

95 100

97 62.3 43.6 81.0

132 94.1 65.9 122.3

130 95.6 66.9 124.3

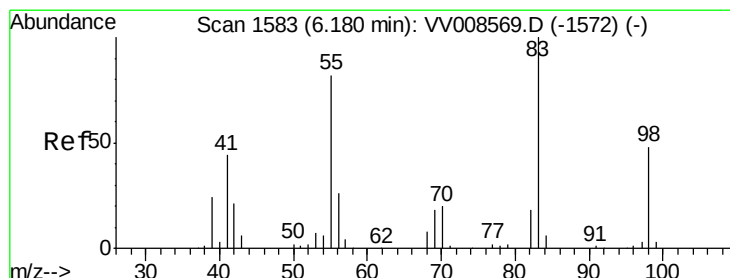
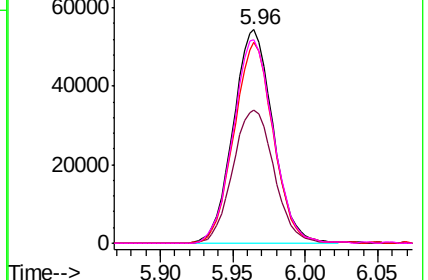
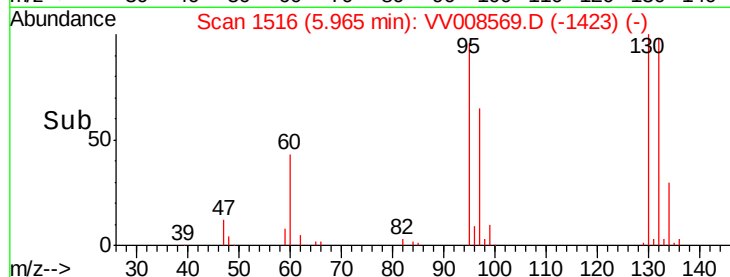


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 52.877 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

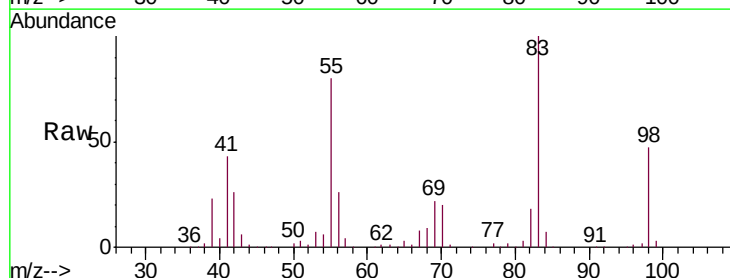
Tgt Ion: 83 Resp: 177849

Ion Ratio Lower Upper

83 100

55 81.9 65.5 98.3

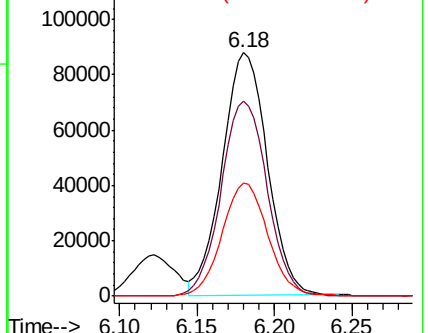
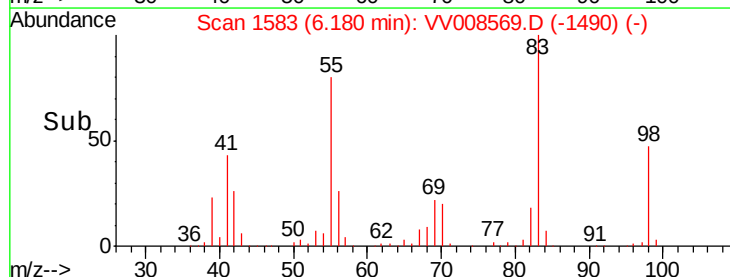
98 47.4 37.9 56.9

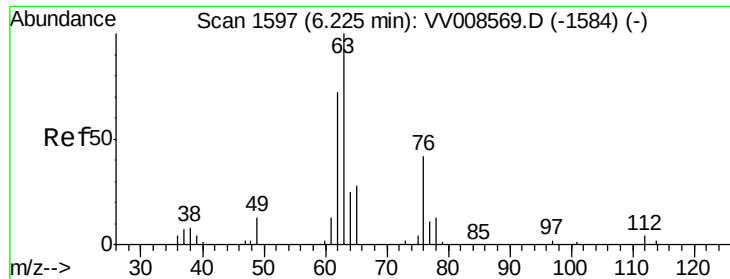


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

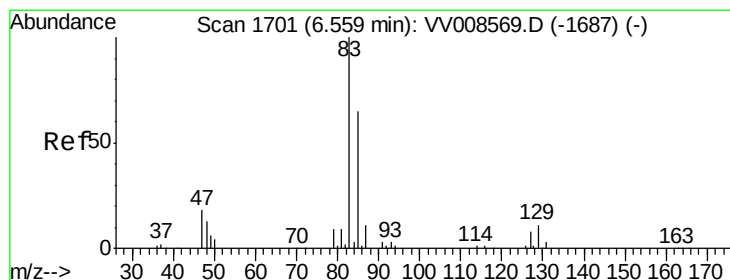
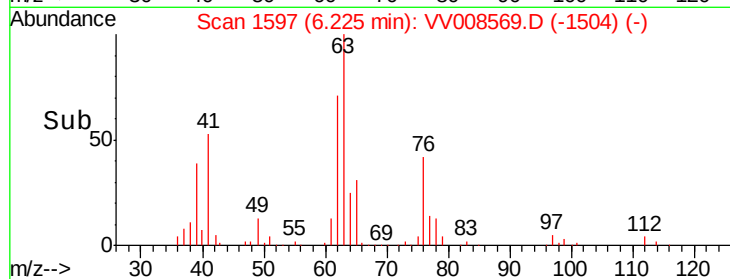
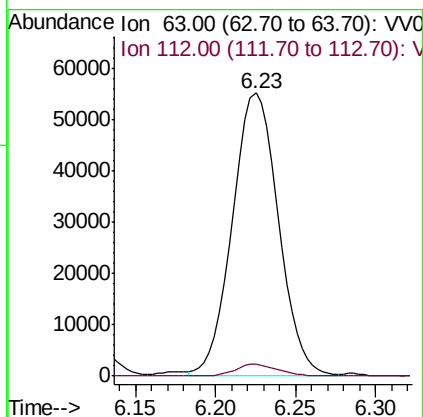
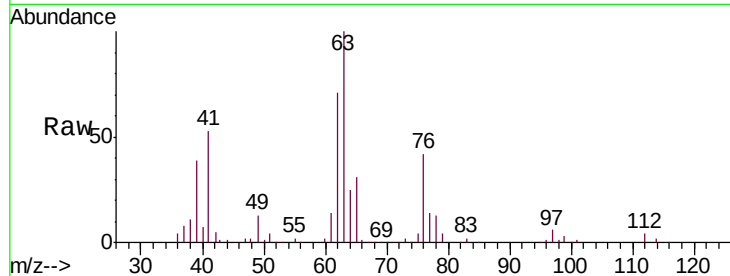




#37
 1,2-Dichloropropane
 Concen: 50.759 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

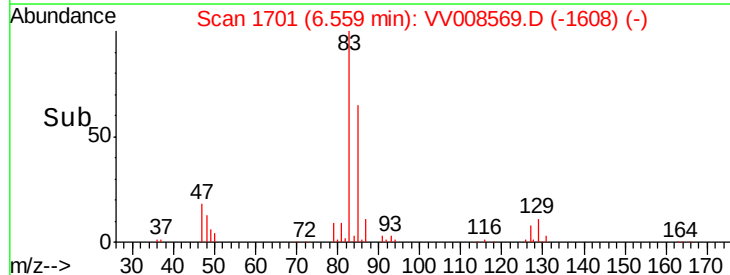
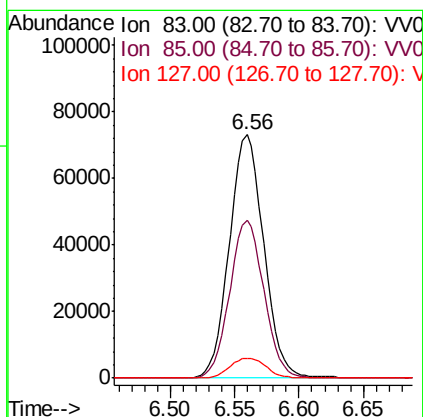
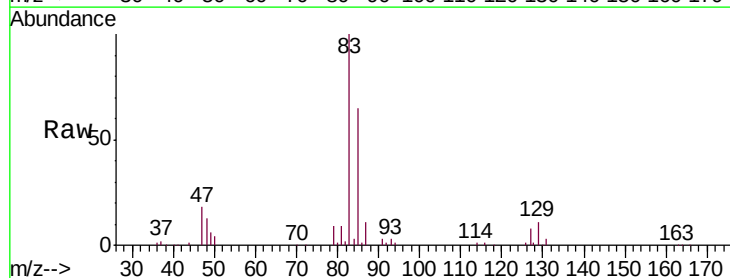
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

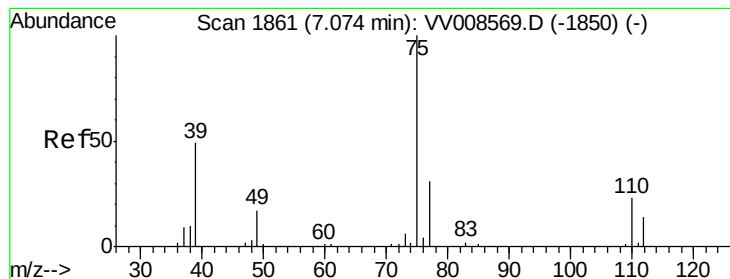
Tgt Ion: 63 Resp: 108875
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 50.591 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Tgt Ion: 83 Resp: 136133
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 8.3 6.6 10.0



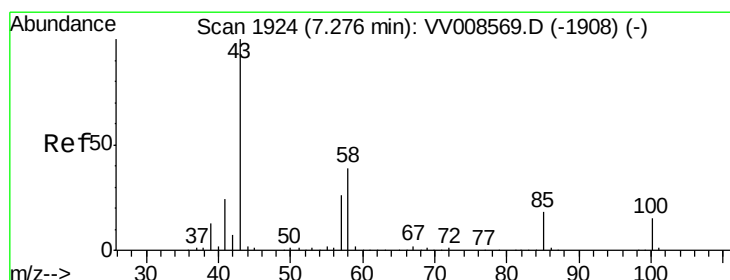
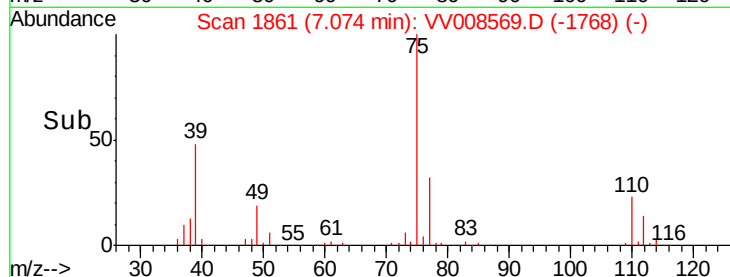
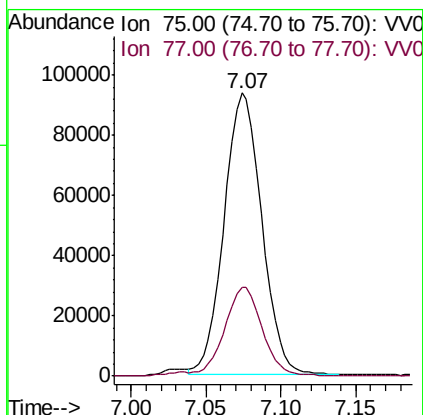
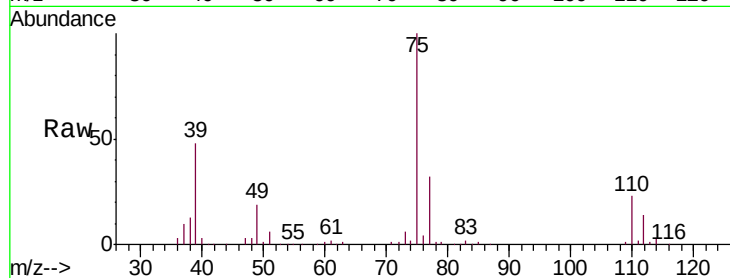


#39

cis-1,3-Dichloropropene
 Concen: 51.330 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

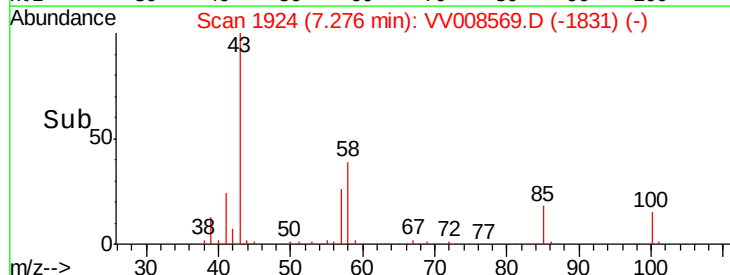
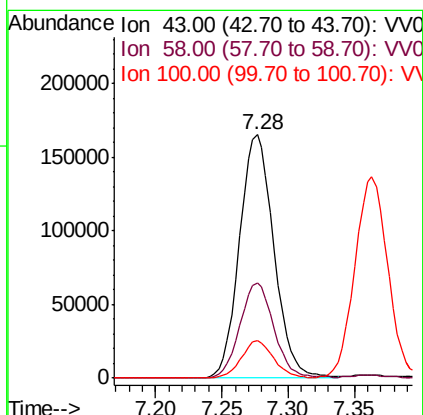
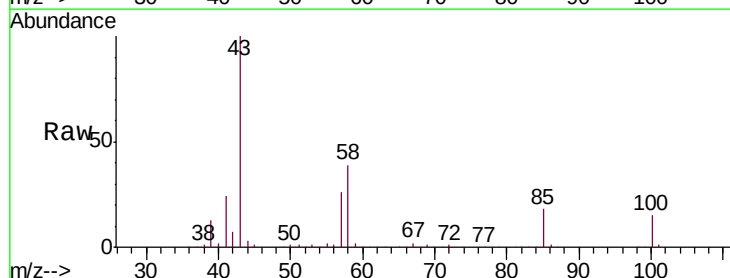
Tgt Ion: 75 Resp: 164578
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

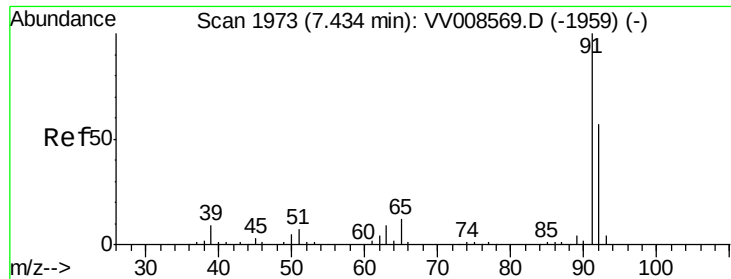


#40

4-Methyl-2-pentanone
 Concen: 96.375 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Tgt Ion: 43 Resp: 298602
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 14.4 11.5 17.3





#42

Toluene

Concen: 51.679 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

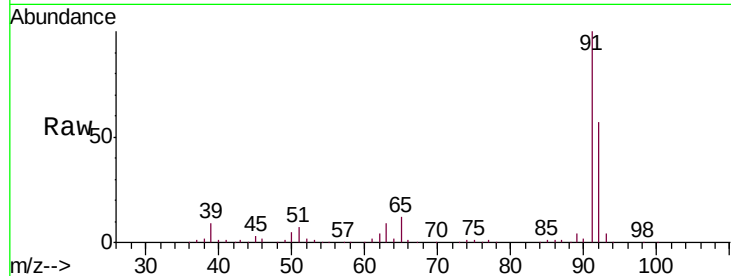
VSTD05070

Tgt Ion: 91 Resp: 426043

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008569.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008569.D (-1959) (-)

7.43

250000

200000

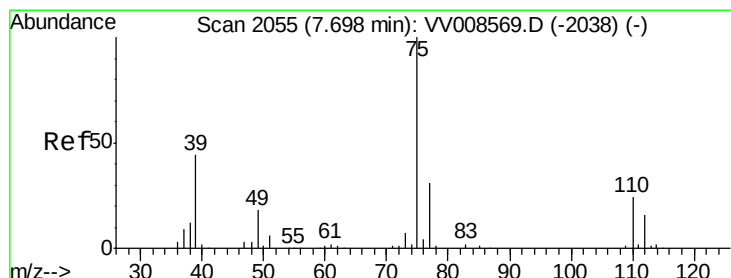
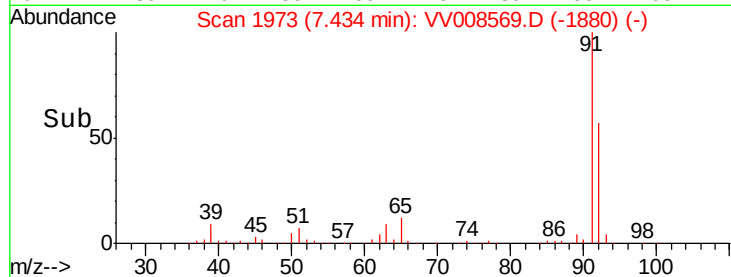
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.107 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008569.D

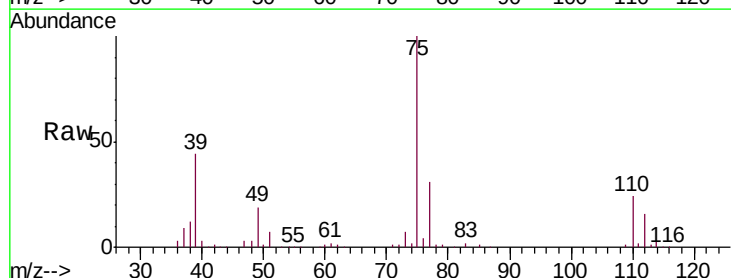
Acq: 15 Nov 2018 12:20

Tgt Ion: 75 Resp: 156710

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008569.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV008569.D (-2038) (-)

7.70

100000

80000

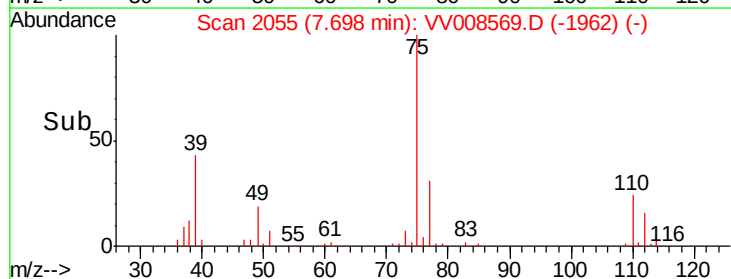
60000

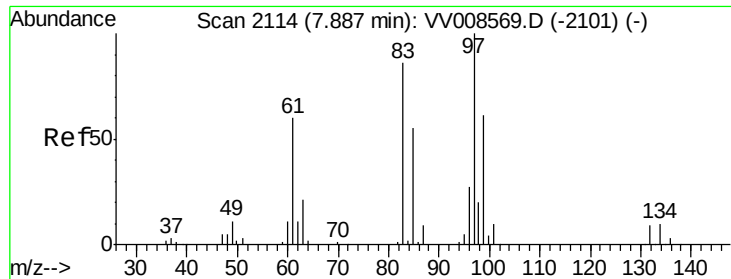
40000

20000

0

Time-->

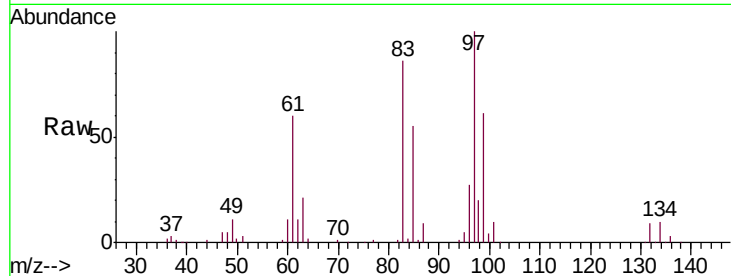




#45
 1,1,2-Trichloroethane
 Concen: 50.558 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:	97	Resp:	97437
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.9	79.7
83	86.3	60.4	112.2
85	55.0	38.5	71.5



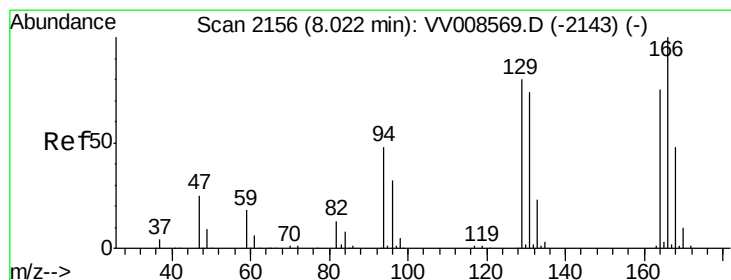
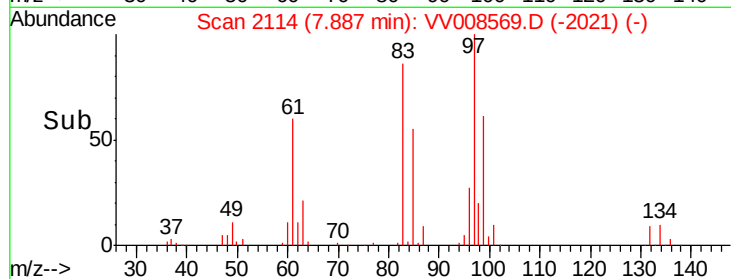
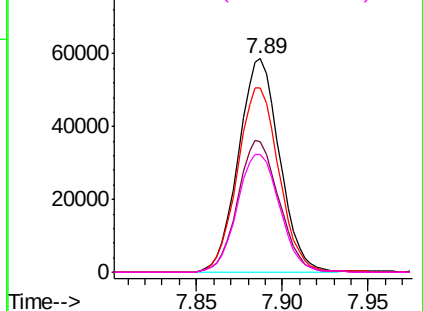
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

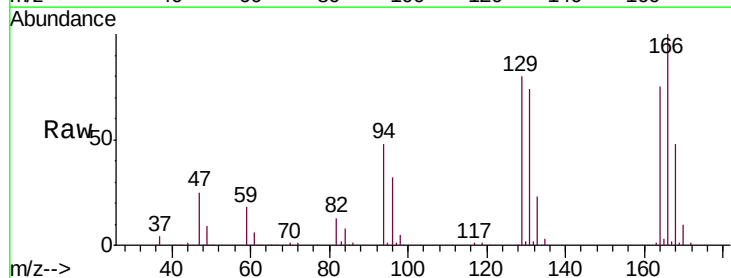
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 52.977 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Tgt Ion:	164	Resp:	76896
Ion	Ratio	Lower	Upper
164	100		
129	106.2	74.3	138.1
131	98.4	68.9	127.9
166	133.1	93.2	173.0



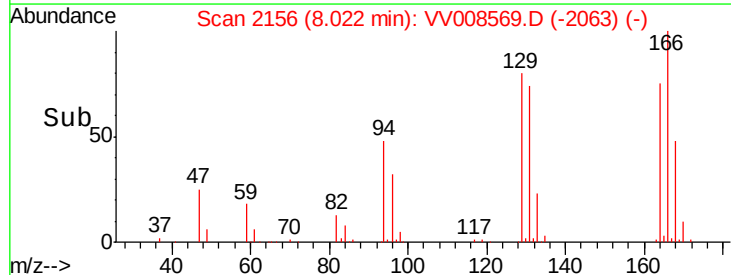
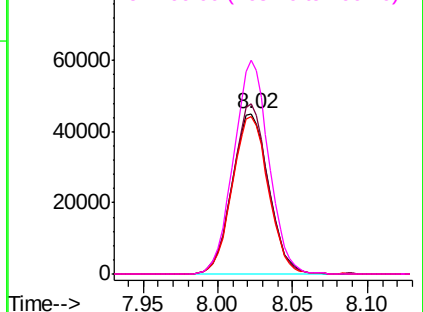
Abundance

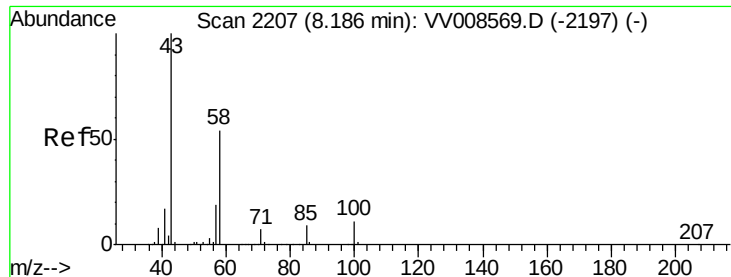
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

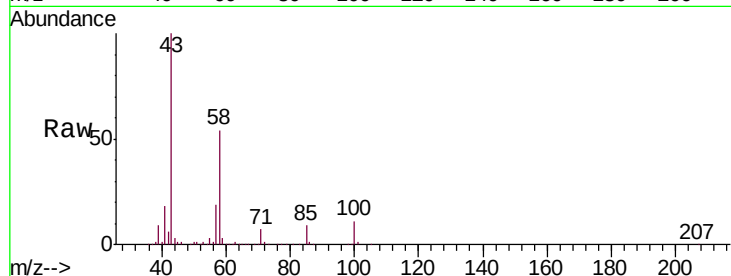




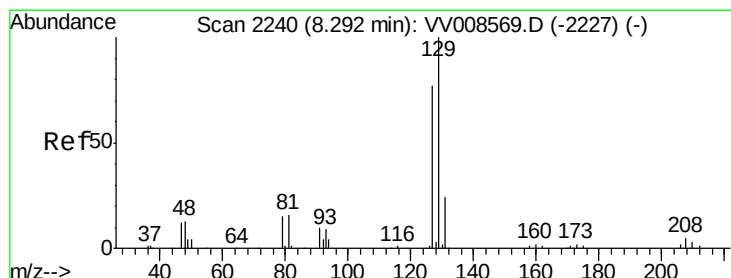
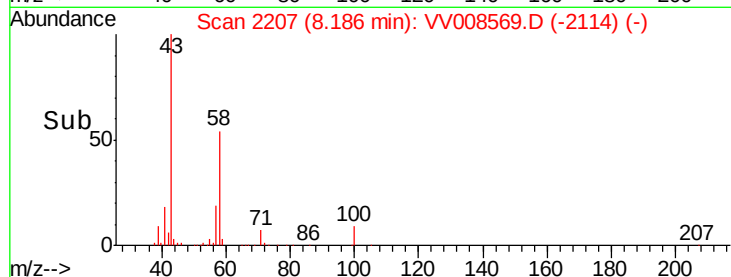
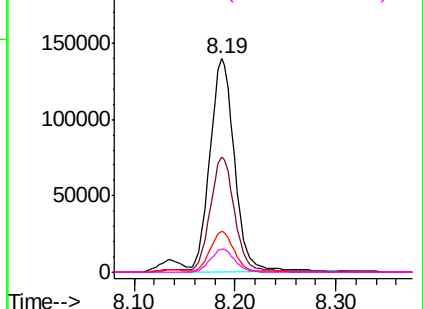
#48
2-Hexanone
Concen: 99.564 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion: 43 Resp: 234615
Ion Ratio Lower Upper
43 100
58 54.7 43.8 65.6
57 18.3 14.6 22.0
100 10.9 8.7 13.1

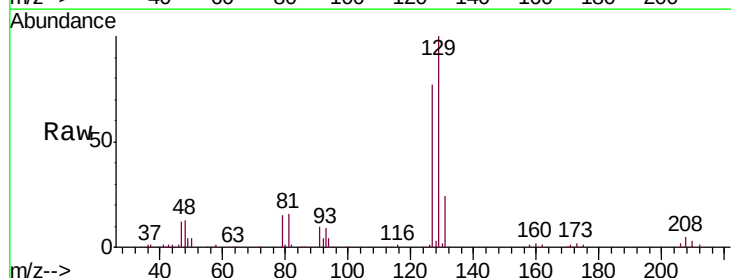


Abundance Ion 43.00 (42.70 to 43.70): VV008569.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV008569.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV008569.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV008569.D (-2197) (-)

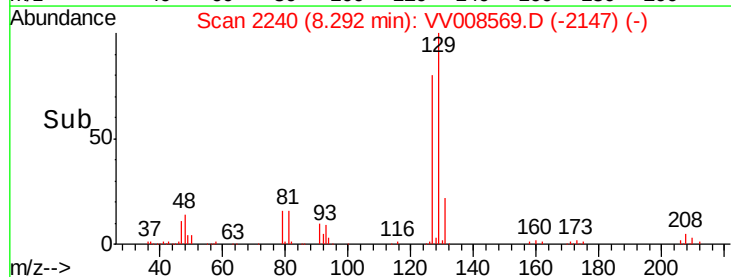
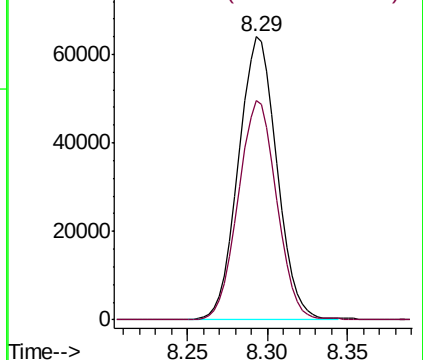


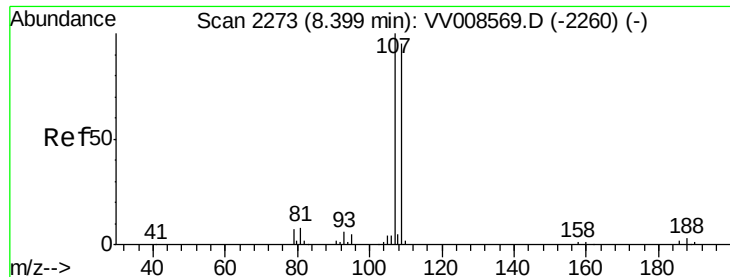
#49
Dibromochloromethane
Concen: 52.403 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

Tgt Ion: 129 Resp: 104801
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV008569.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV008569.D (-2227) (-)

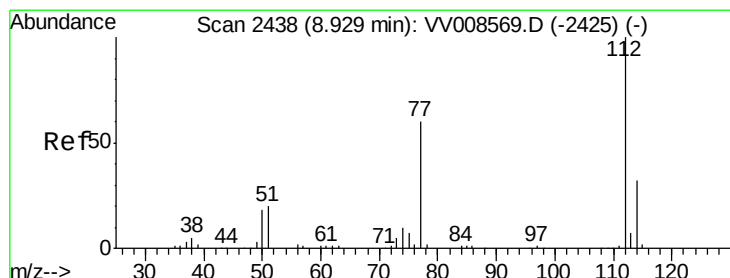
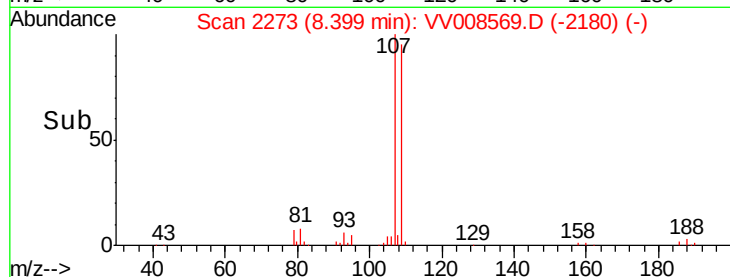
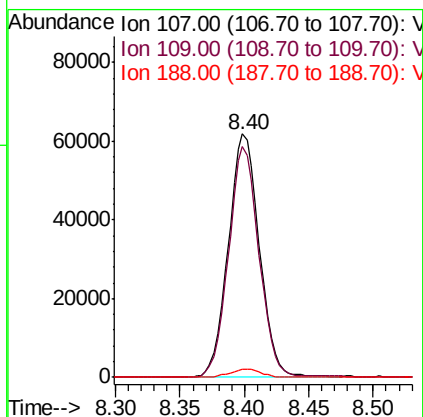
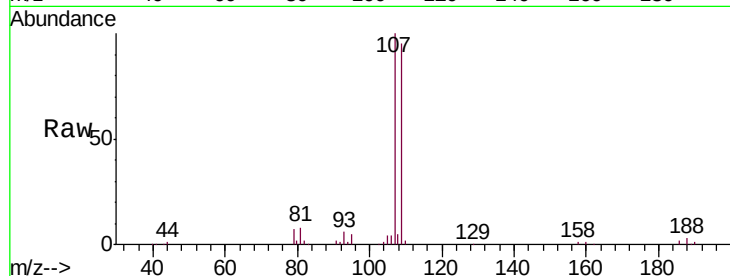




#50
1,2-Dibromoethane
Concen: 51.262 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

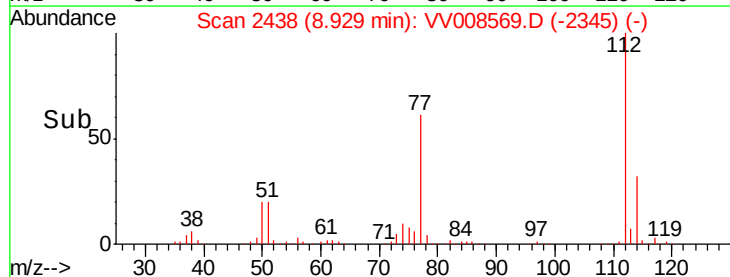
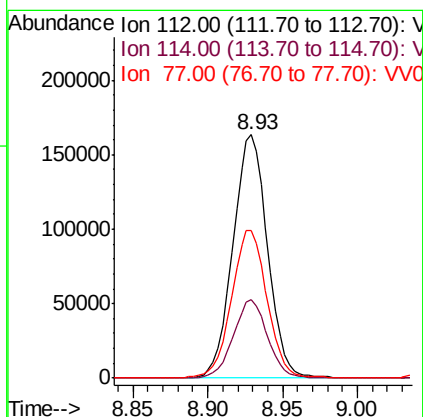
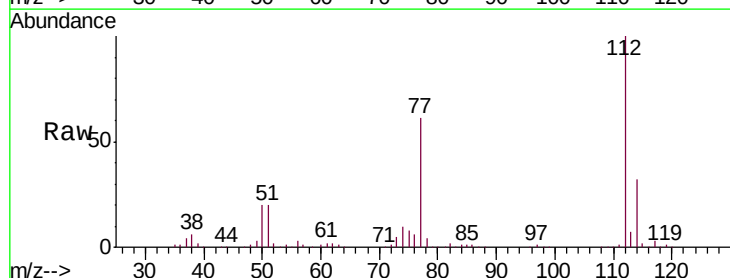
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

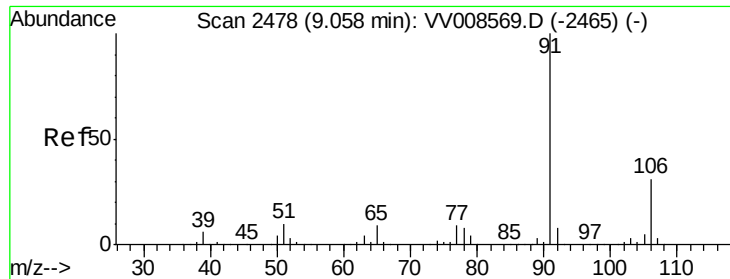
Tgt Ion:107 Resp: 103281
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 50.673 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

Tgt Ion:112 Resp: 262984
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 60.7 48.6 72.8





#52

Ethylbenzene

Concen: 51.261 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

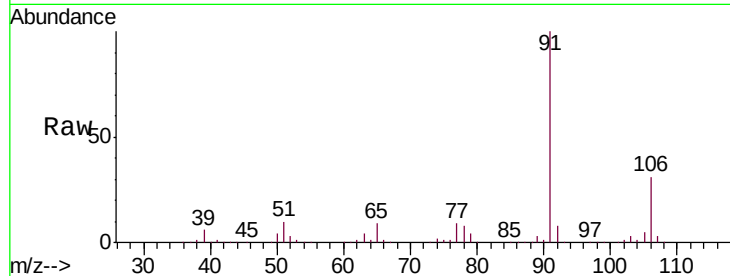
VSTD05070

Tgt Ion: 91 Resp: 468614

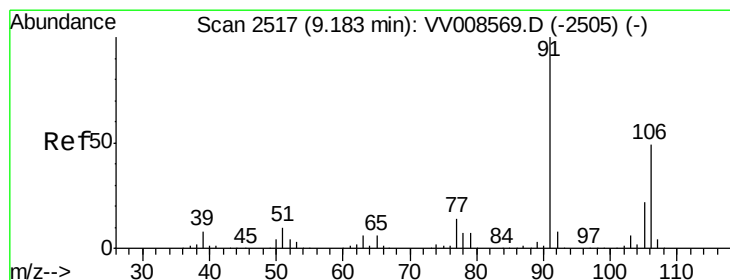
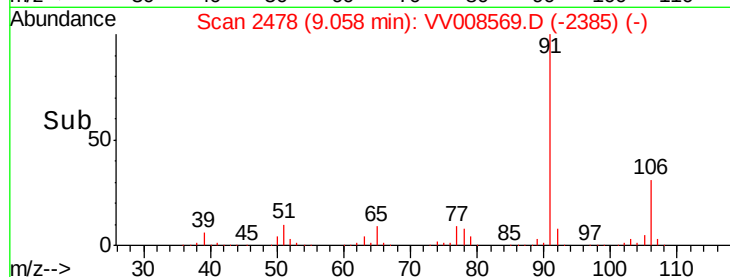
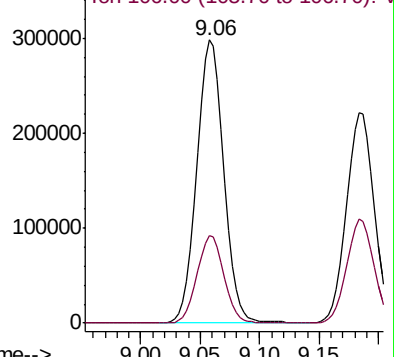
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008569.D (-2465) (-)



#53

m,p-Xylene

Concen: 51.945 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008569.D

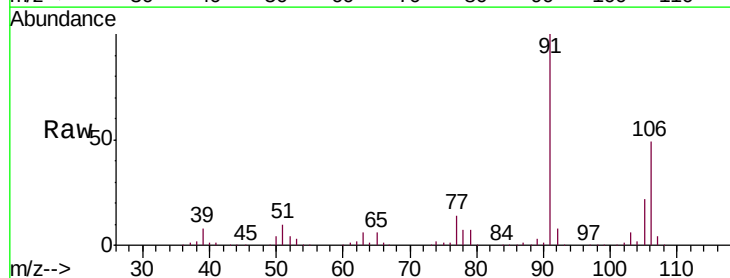
Acq: 15 Nov 2018 12:20

Tgt Ion: 106 Resp: 173749

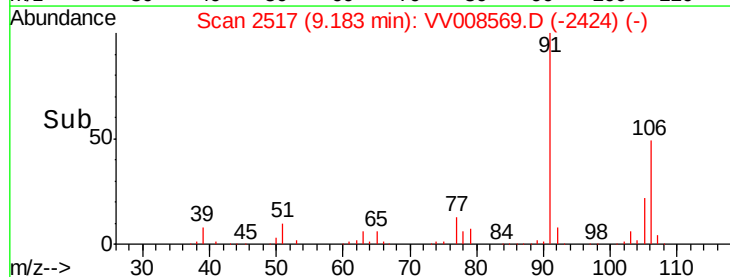
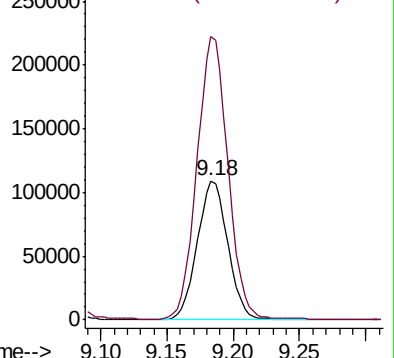
Ion Ratio Lower Upper

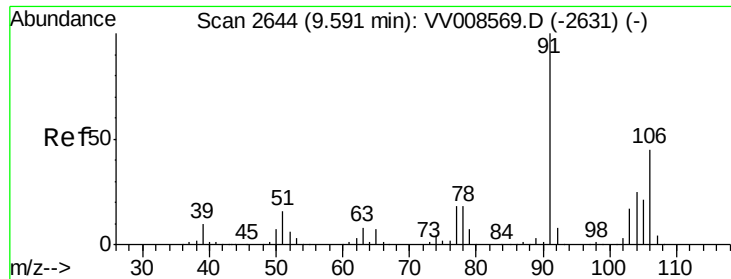
106 100

91 203.6 142.5 264.7



Abundance Ion 106.00 (105.70 to 106.70): VV008569.D (-2505) (-)

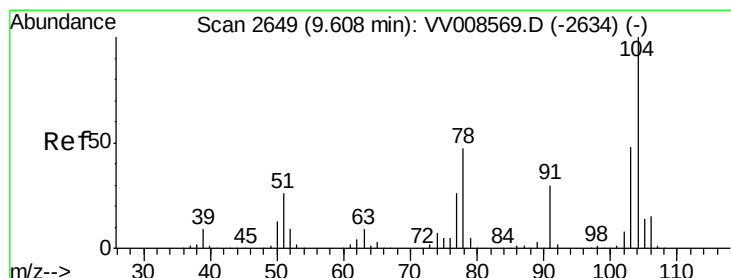
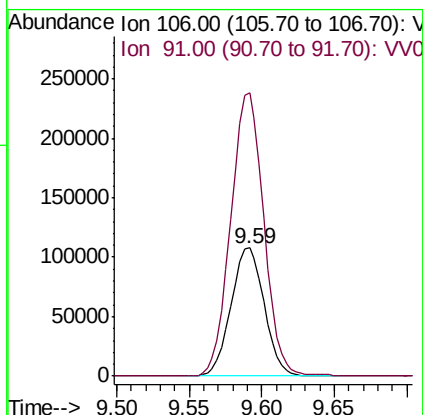
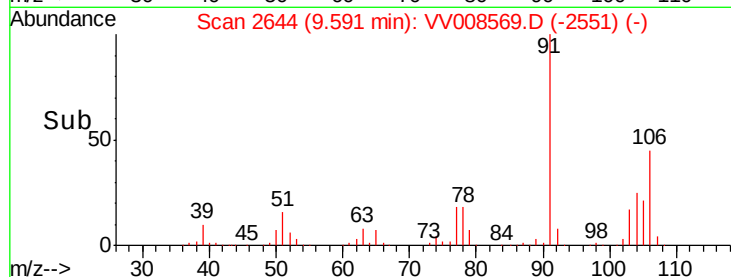
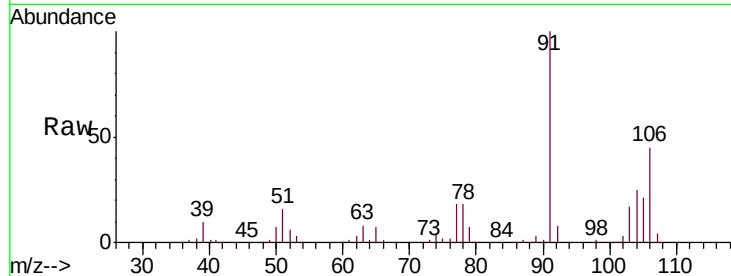




#54
o-xylene
Concen: 51.023 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

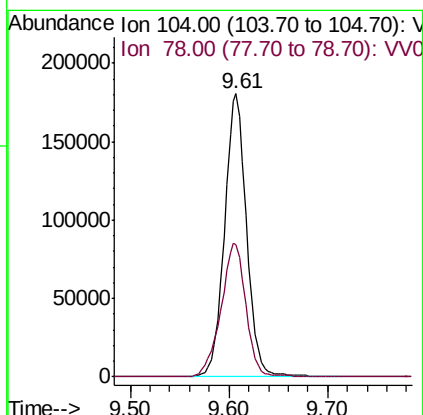
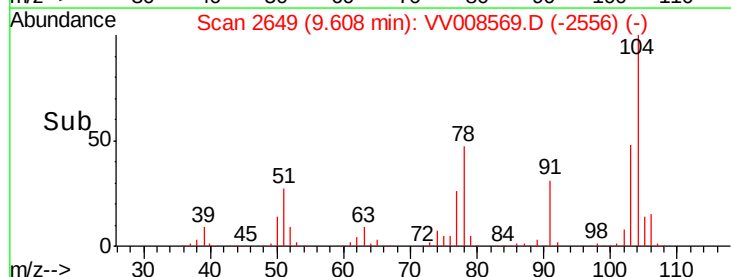
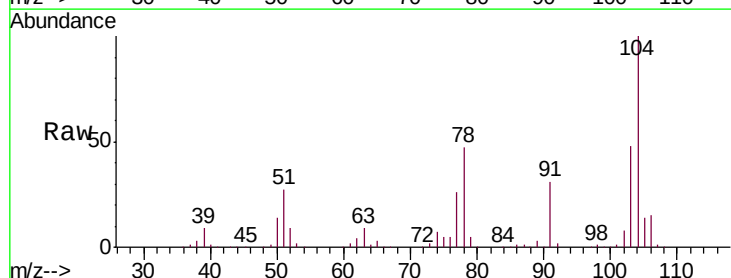
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

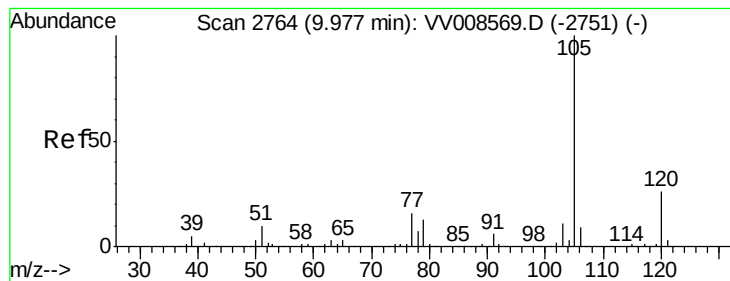
Tgt Ion:106 Resp: 171154
Ion Ratio Lower Upper
106 100
91 220.9 154.6 287.2



#55
Styrene
Concen: 51.824 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008569.D
Acq: 15 Nov 2018 12:20

Tgt Ion:104 Resp: 283508
Ion Ratio Lower Upper
104 100
78 46.8 32.8 60.8





#56

Isopropylbenzene

Concen: 51.582 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

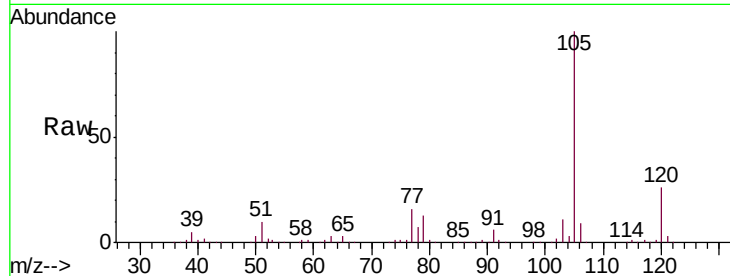
Tgt Ion: 105 Resp: 452134

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

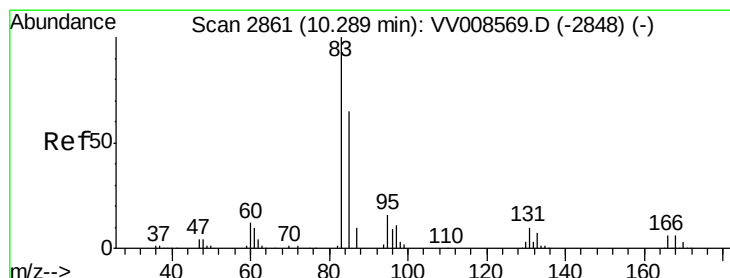
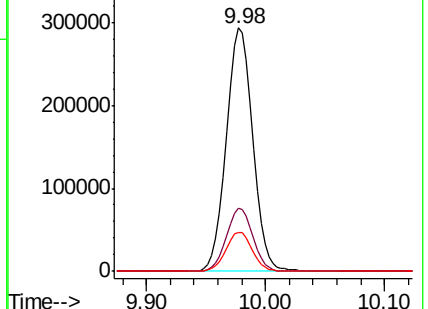
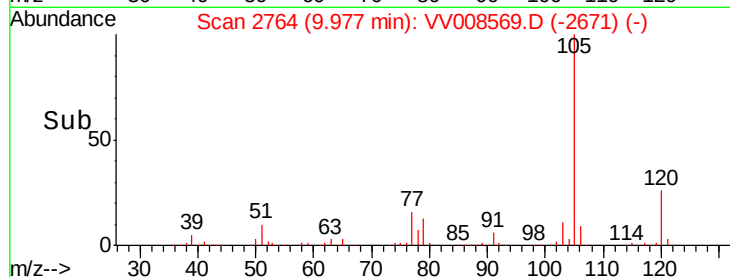
77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VV008569.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV008569.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV008569.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 51.108 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

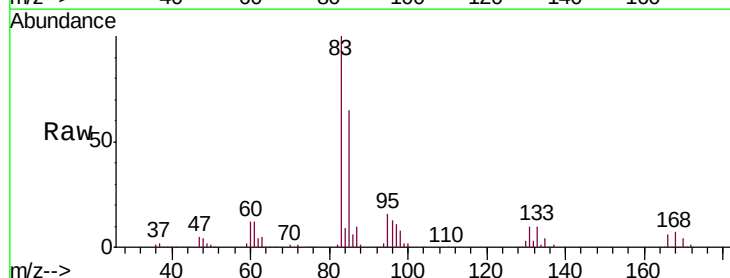
Tgt Ion: 83 Resp: 162164

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

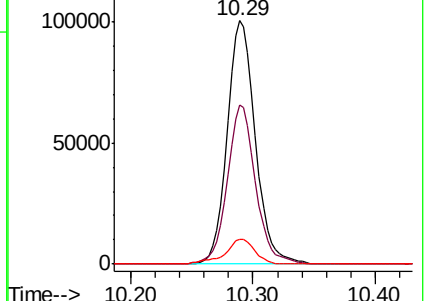
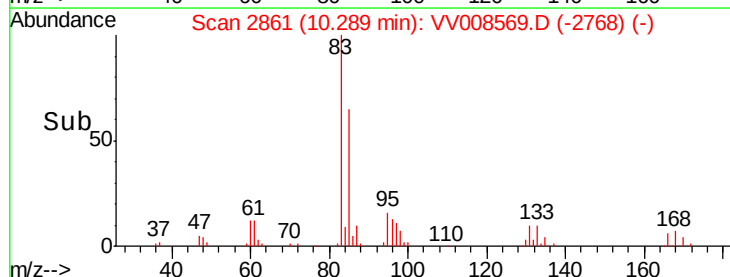
131 10.3 8.2 12.4

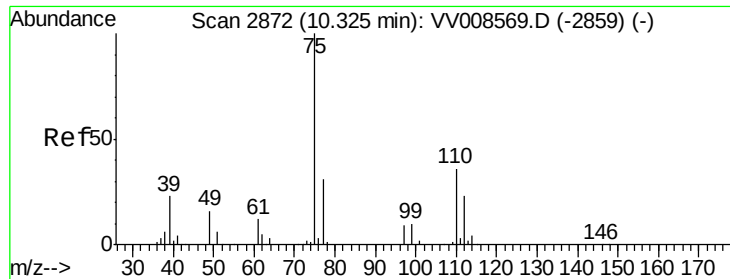


Abundance Ion 83.00 (82.70 to 83.70): VV008569.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV008569.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV008569.D (-2848) (-)





#59

1,2,3-Trichloropropane

Concen: 49.424 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

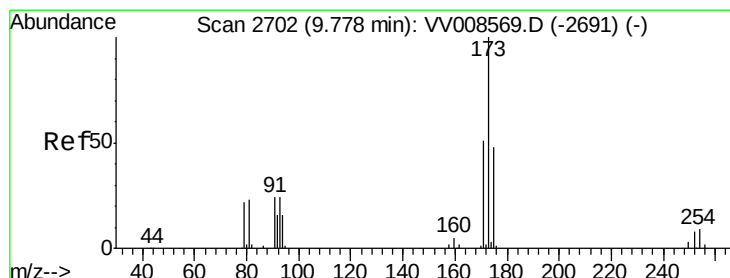
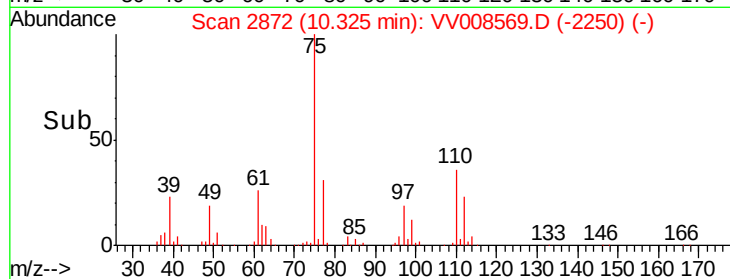
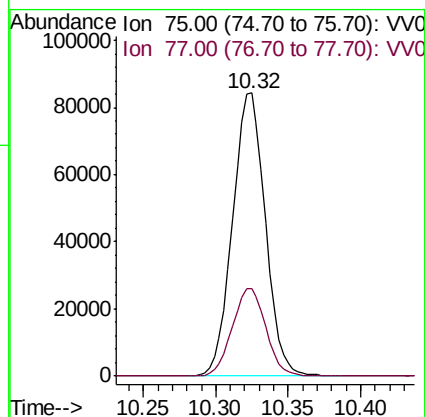
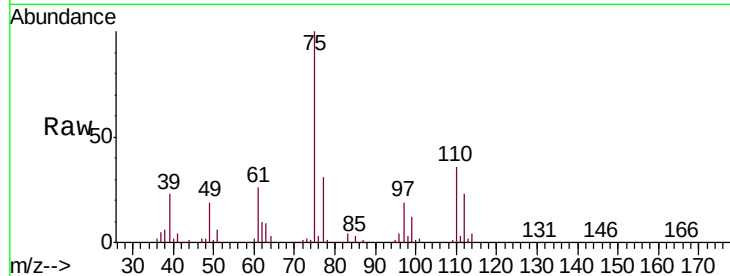
VSTD05070

Tgt Ion: 75 Resp: 132112

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 49.388 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

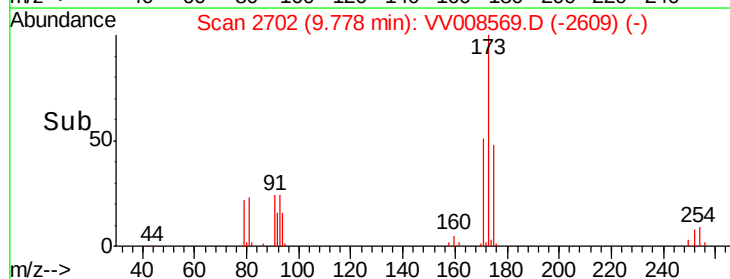
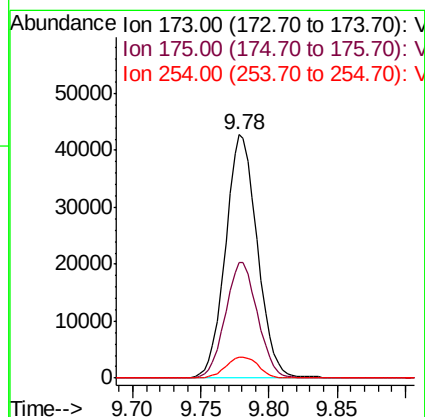
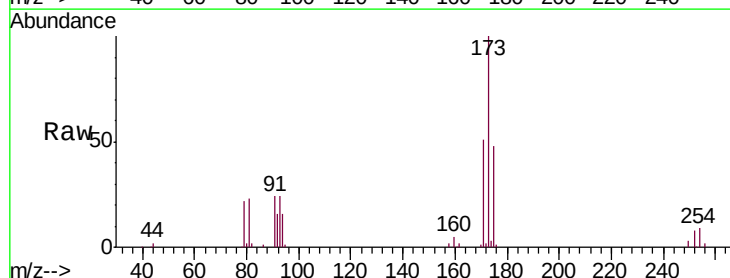
Tgt Ion: 173 Resp: 69389

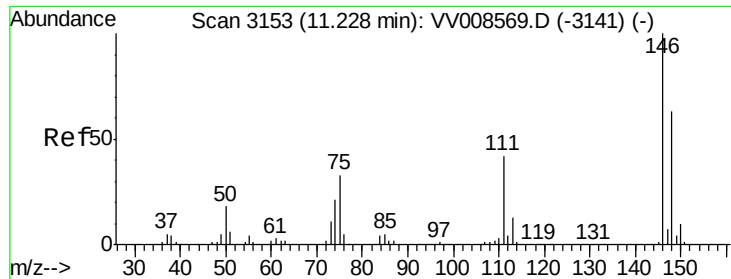
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 8.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 49.434 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

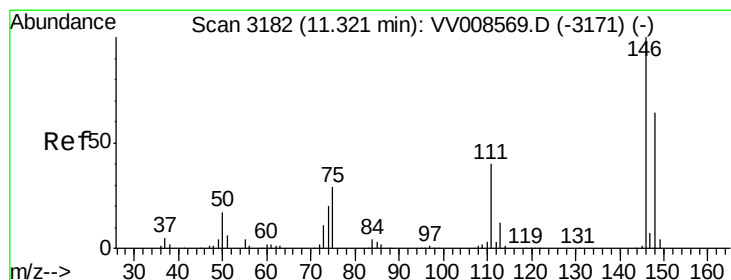
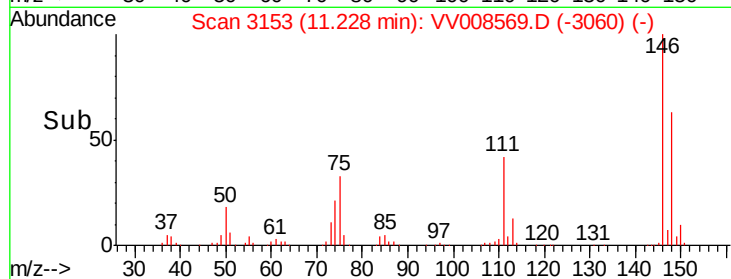
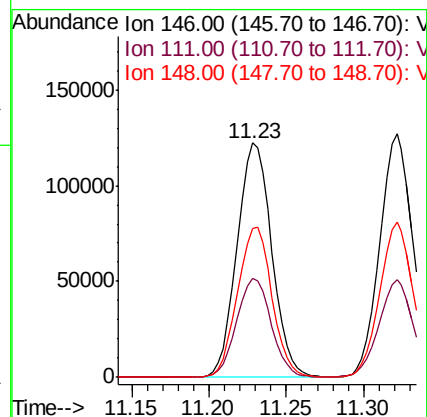
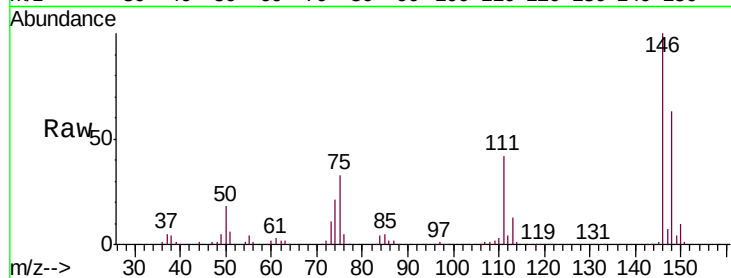
Tgt Ion:146 Resp: 191138

Ion Ratio Lower Upper

146 100

111 42.2 29.5 54.9

148 63.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 50.198 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

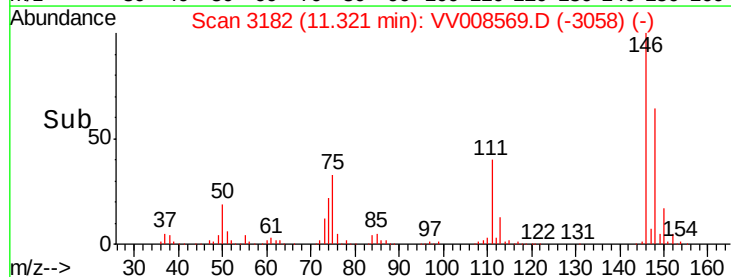
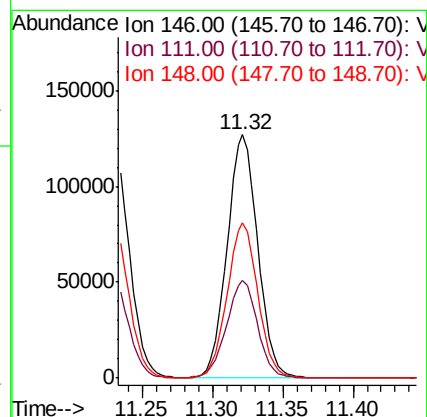
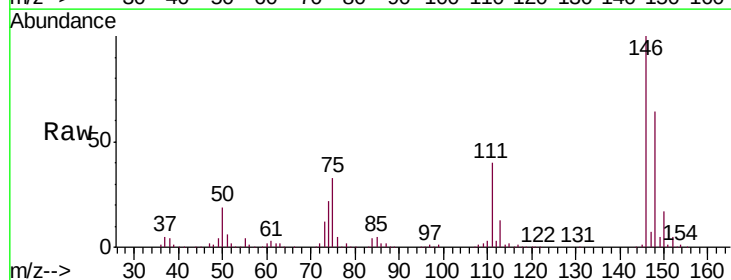
Tgt Ion:146 Resp: 192586

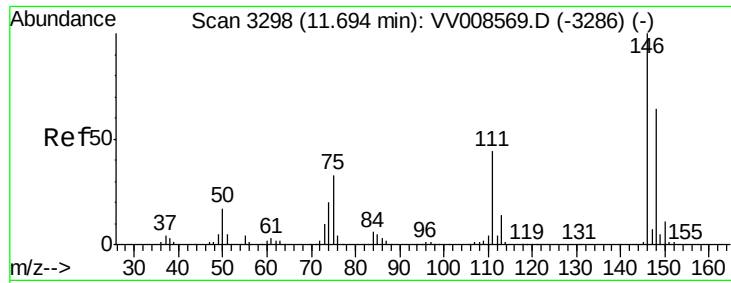
Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

148 63.8 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 50.410 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

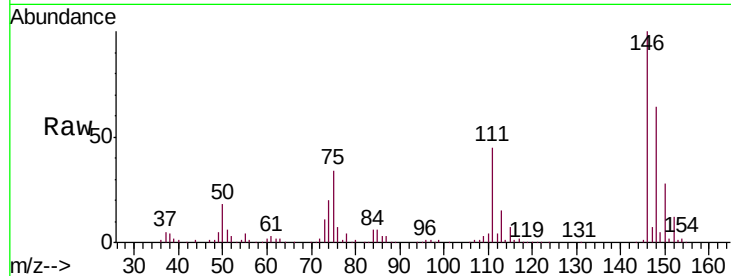
Tgt Ion:146 Resp: 197843

Ion Ratio Lower Upper

146 100

111 44.7 35.8 53.6

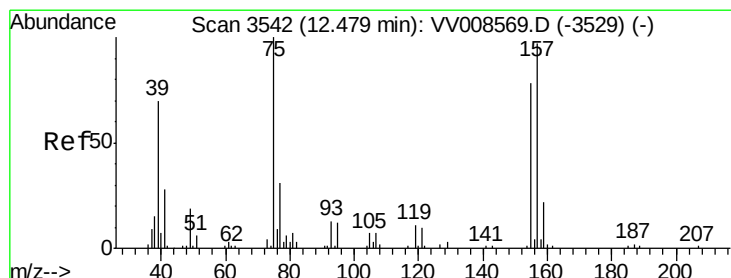
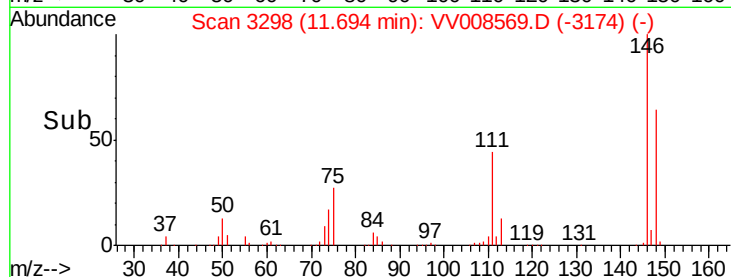
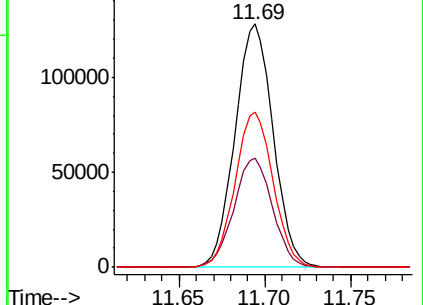
148 63.9 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.422 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

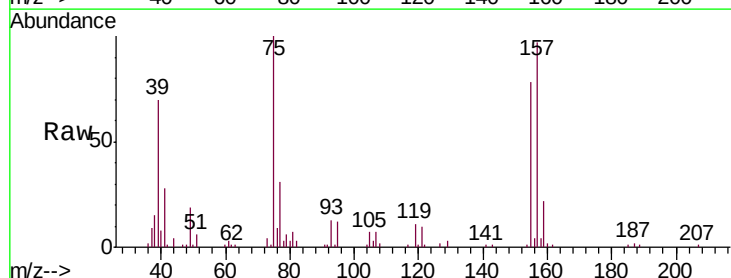
Tgt Ion: 75 Resp: 35515

Ion Ratio Lower Upper

75 100

155 78.4 62.7 94.1

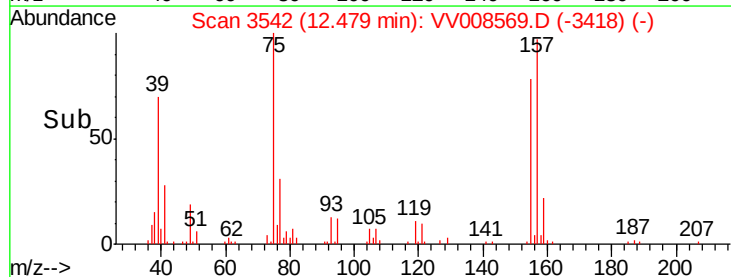
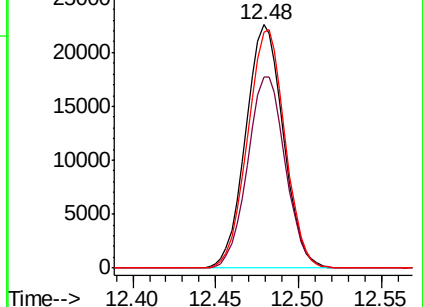
157 96.7 77.4 116.0

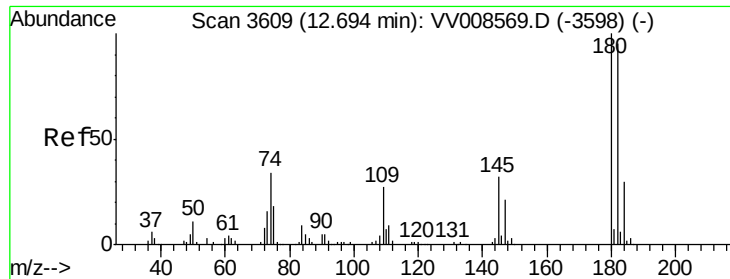


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

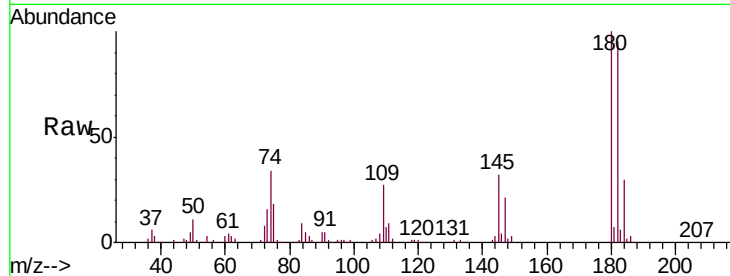




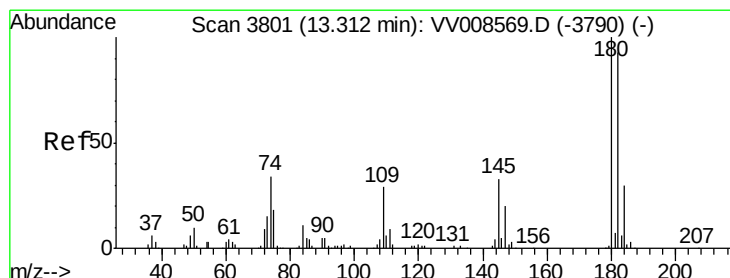
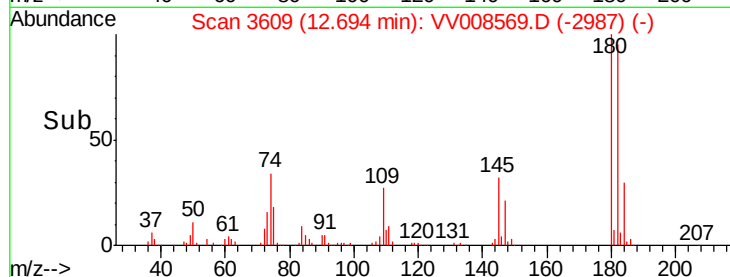
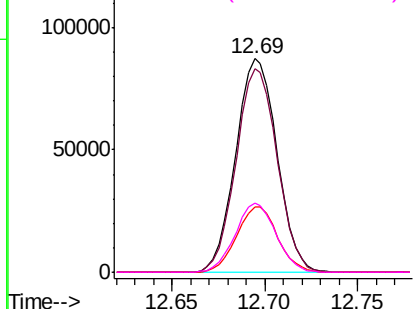
#67
 1,3,5-Trichlorobenzene
 Concen: 53.214 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:180 Resp: 135484
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 30.3 24.2 36.4
 145 32.0 25.6 38.4

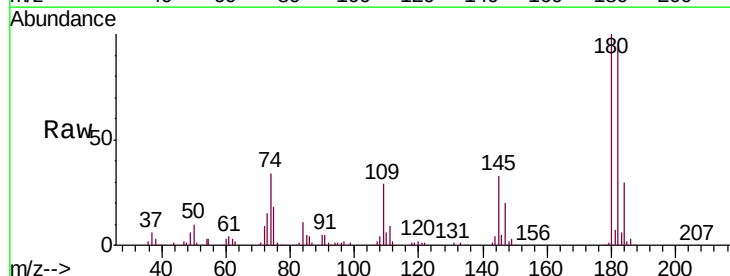


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

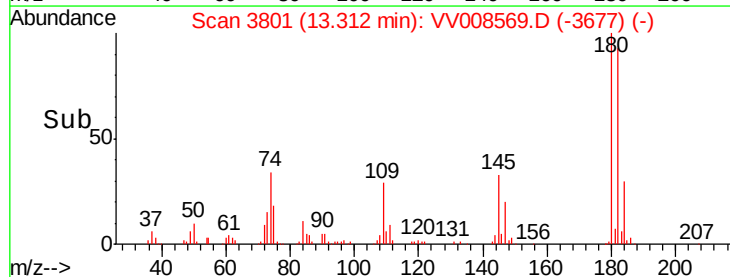
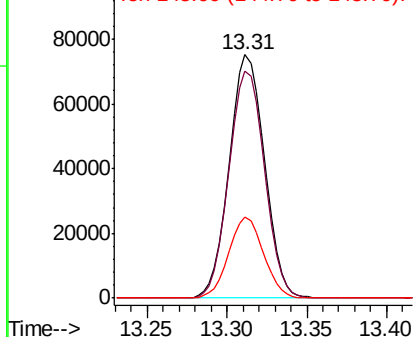


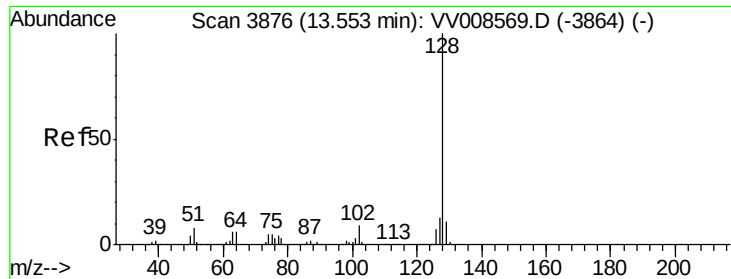
#68
 1,2,4-trichlorobenzene
 Concen: 57.073 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008569.D
 Acq: 15 Nov 2018 12:20

Tgt Ion:180 Resp: 113059
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.3 112.9
 145 32.5 26.0 39.0



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: 57.337 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

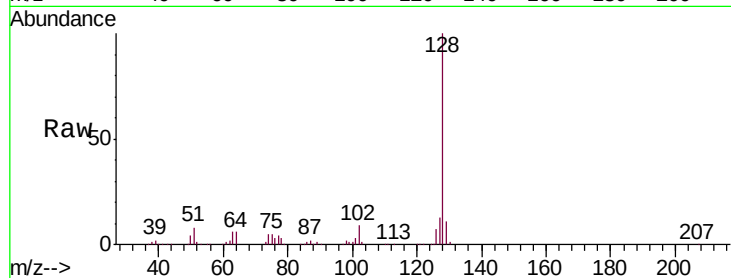
Tgt Ion:128 Resp: 343026

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

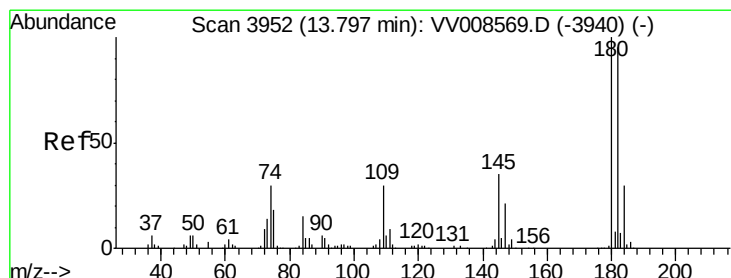
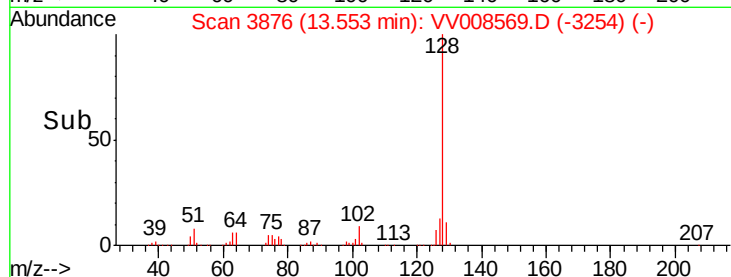
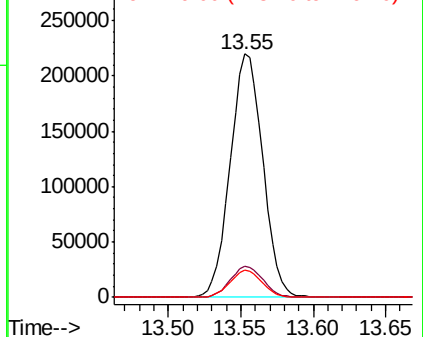
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.634 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008569.D

Acq: 15 Nov 2018 12:20

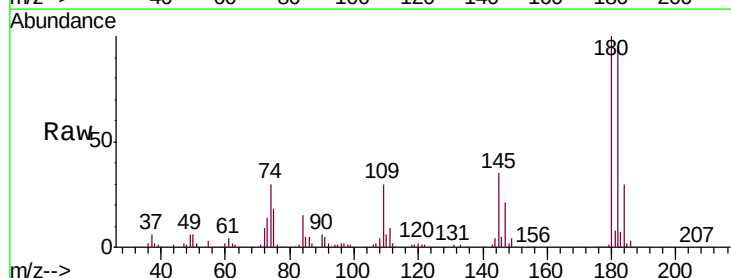
Tgt Ion:180 Resp: 113624

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 35.0 28.0 42.0



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

