

Data File : VV014708.D
Acq On : 25 Feb 2020 13:09
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Quant Time: Feb 26 01:10:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 01:08:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	219969	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	208611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	108391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35927	41.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.64%
7) Chloroethane-d5	1.58	69	27306	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.72%
11) 1,1-Dichloroethene-d2	2.13	63	74117	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
21) 2-Butanone-d5	3.94	46	72649	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	4.39	84	134355	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.07	65	88253	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
32) Benzene-d6	5.09	84	253041	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.66%
36) 1,2-Dichloropropane-d6	6.11	67	71353	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.64%
41) Toluene-d8	7.35	98	247009	46.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.90%
43) trans-1,3-Dichloropropene-	7.66	79	42663	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.13	63	61147	94.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.76%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	103539	46.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.82%
64) 1,2-Dichlorobenzene-d4	11.67	152	100470	47.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	76989	49.537 ug/L	100
3) Chloromethane	1.25	50	31822	38.716 ug/L	97
5) Vinyl chloride	1.32	62	35279	42.737 ug/L	99
6) Bromomethane	1.54	94	23715	48.366 ug/L	100
8) Chloroethane	1.60	64	19575	43.474 ug/L	99
9) Trichlorofluoromethane	1.77	101	90683	50.637 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38467	51.631 ug/L	99
12) 1,1-Dichloroethene	2.14	96	31449	46.901 ug/L	95
13) Acetone	2.21	43	73403	103.520 ug/L	93
14) Carbon disulfide	2.32	76	135381	44.600 ug/L	98
15) Methyl Acetate	2.47	43	49834	43.021 ug/L	96
16) Methylene chloride	2.53	84	65901	47.112 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	61386	47.212 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	212233	48.553 ug/L	99
19) 1,1-Dichloroethane	3.23	63	110007	46.940 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	72462	47.980 ug/L	100
22) 2-Butanone	4.03	43	81565	90.836 ug/L	97

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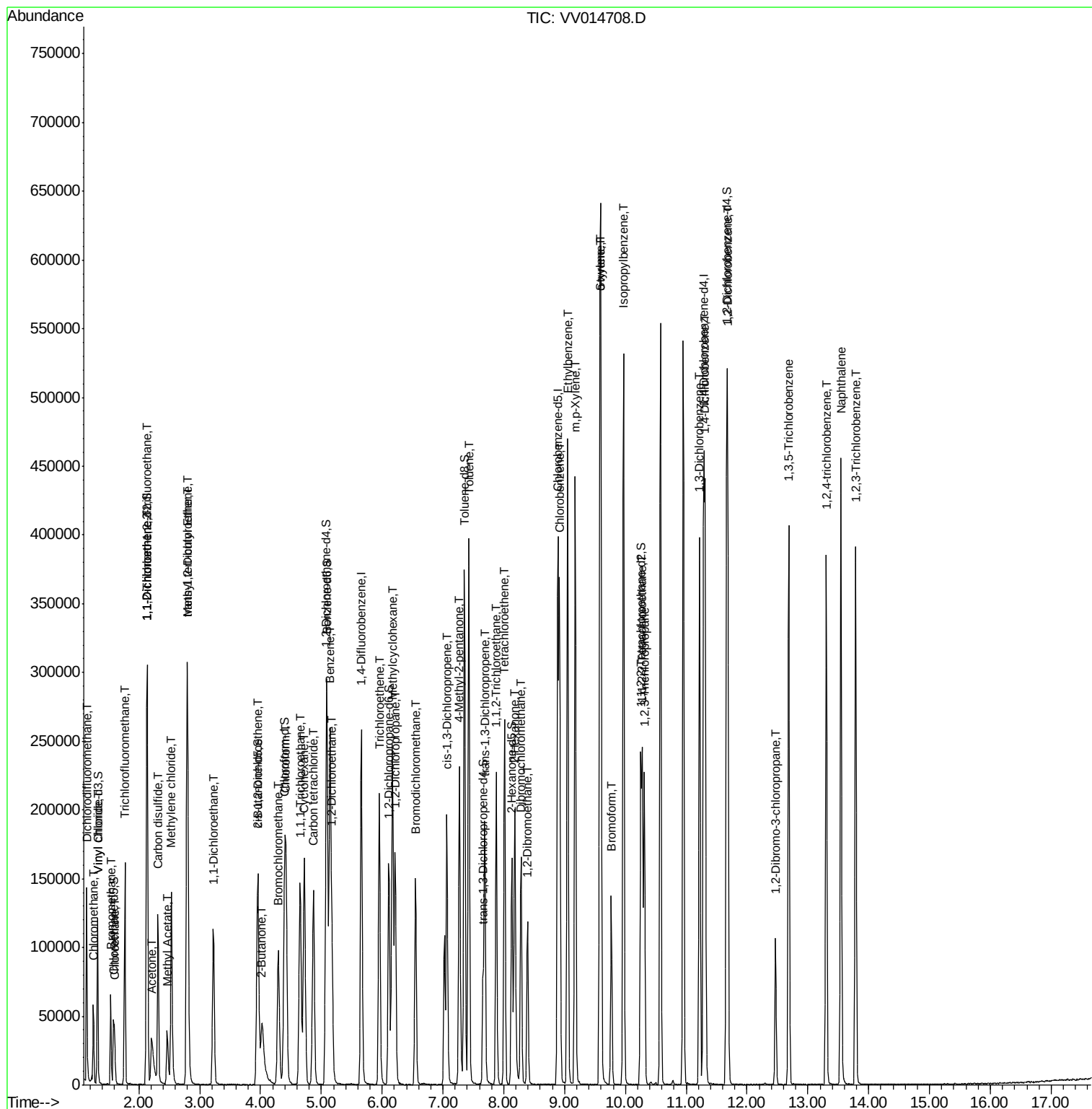
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	38057	49.638	ug/L	98
25) Chloroform	4.42	83	134248	49.243	ug/L	99
27) 1,2-Dichloroethane	5.17	62	102115	51.112	ug/L	98
29) Cyclohexane	4.72	56	87763	45.015	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	122779	50.610	ug/L	99
31) Carbon tetrachloride	4.87	117	108919	50.743	ug/L	99
33) Benzene	5.14	78	252750	46.979	ug/L	100
34) Trichloroethene	5.95	95	72456	46.265	ug/L	97
35) Methylcyclohexane	6.17	83	109504	48.984	ug/L	99
37) 1,2-Dichloropropane	6.21	63	60330	45.848	ug/L	98
38) Bromodichloromethane	6.55	83	99739	49.177	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	109056	46.407	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	149217	91.539	ug/L	98
42) Toluene	7.42	91	284146	48.850	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	105983	49.709	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	68333	48.517	ug/L	99
46) Tetrachloroethene	8.01	164	57089	50.388	ug/L	97
48) 2-Hexanone	8.18	43	122872	96.105	ug/L	99
49) Dibromochloromethane	8.28	129	83353	49.799	ug/L	98
50) 1,2-Dibromoethane	8.39	107	74914	48.275	ug/L	100
51) Chlorobenzene	8.92	112	191794	48.389	ug/L	99
52) Ethylbenzene	9.05	91	328025	49.208	ug/L	98
53) m,p-Xylene	9.17	106	125707	48.775	ug/L	96
54) o-xylene	9.58	106	123322	49.164	ug/L	97
55) Styrene	9.60	104	207818	49.691	ug/L	97
56) Isopropylbenzene	9.97	105	337521	50.901	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	105178	48.501	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	84951	47.715	ug/L	98
61) Bromoform	9.77	173	58815	49.987	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	157972	48.613	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	158126	47.548	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	156061	48.232	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	26217	47.654	ug/L	96
67) 1,3,5-Trichlorobenzene	12.68	180	119264	49.934	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	107957	48.187	ug/L	98
69) Naphthalene	13.54	128	345993	45.982	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	110227	47.886	ug/L	100

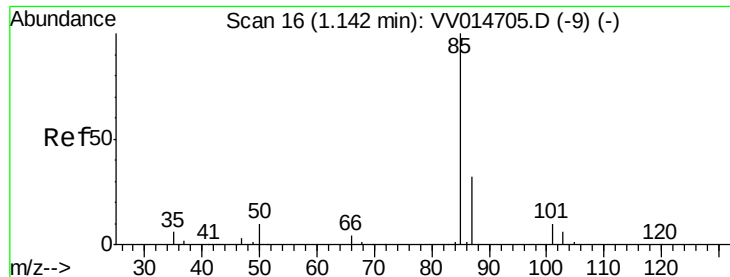
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.537 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

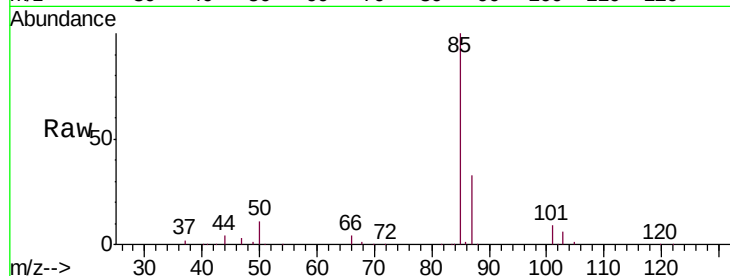
VSTD05077

Tgt Ion: 85 Resp: 76989

Ion Ratio Lower Upper

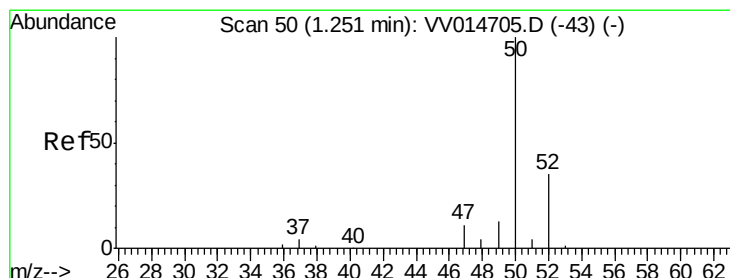
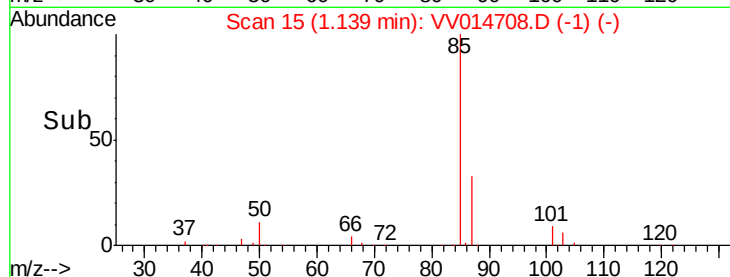
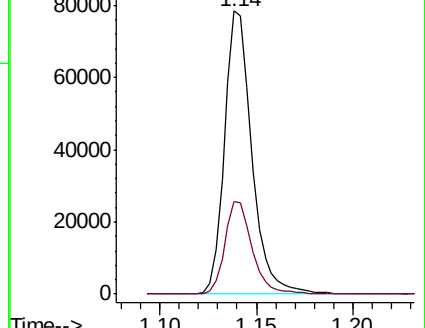
85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014705.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014705.D (-9) (-)



#3

Chloromethane

Concen: 38.716 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014708.D

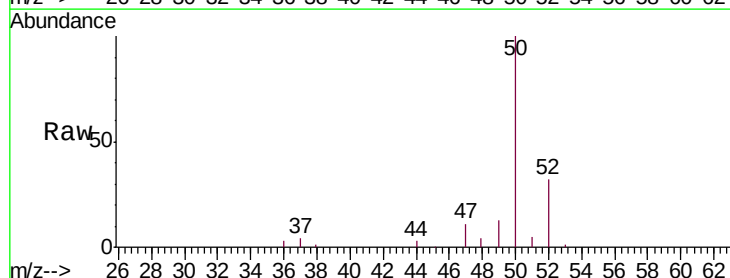
Acq: 25 Feb 2020 13:09

Tgt Ion: 50 Resp: 31822

Ion Ratio Lower Upper

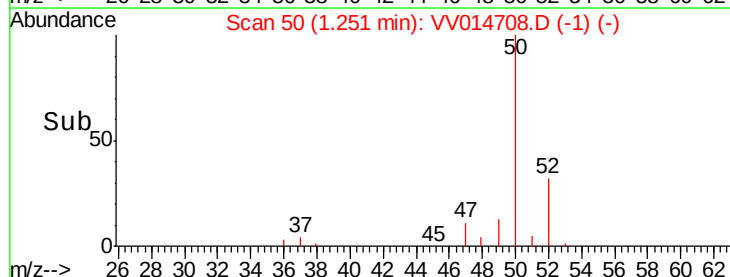
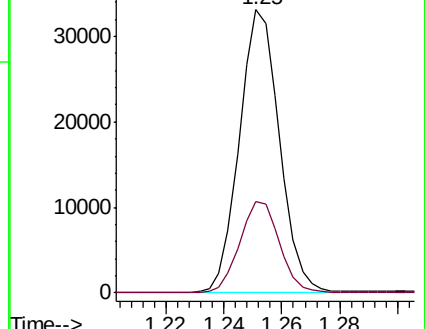
50 100

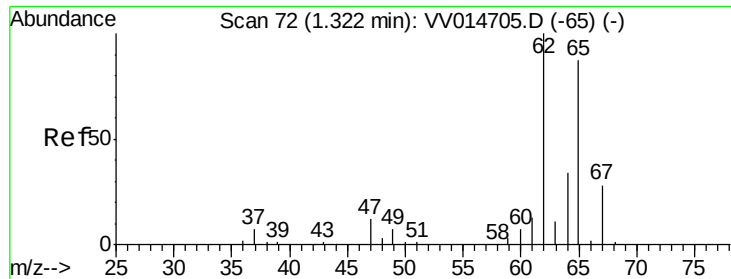
52 32.4 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014705.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014705.D (-43) (-)





#5

Vinyl chloride

Concen: 42.737 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

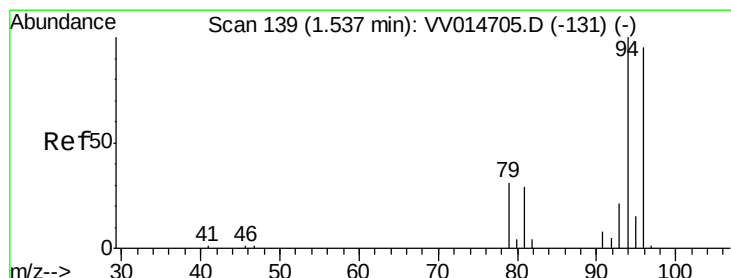
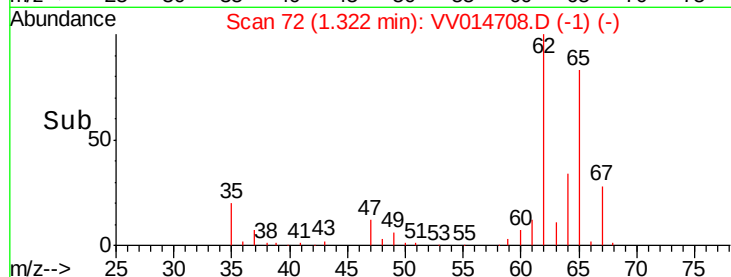
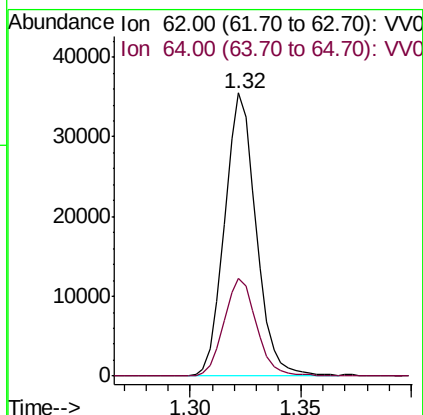
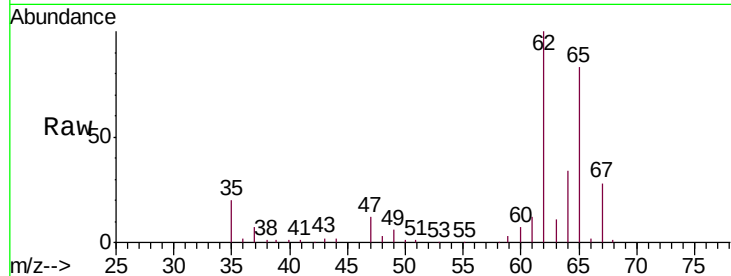
VSTD05077

Tgt Ion: 62 Resp: 35279

Ion Ratio Lower Upper

62 100

64 34.4 23.8 44.2



#6

Bromomethane

Concen: 48.366 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014708.D

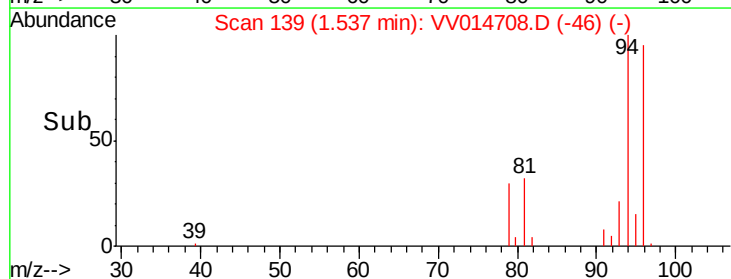
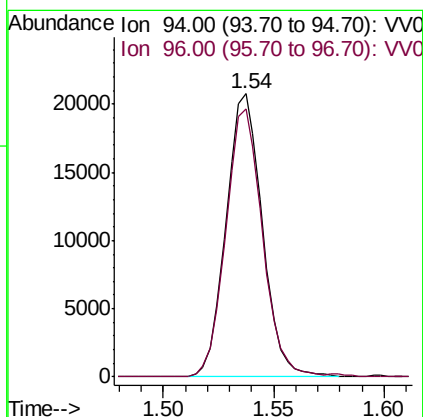
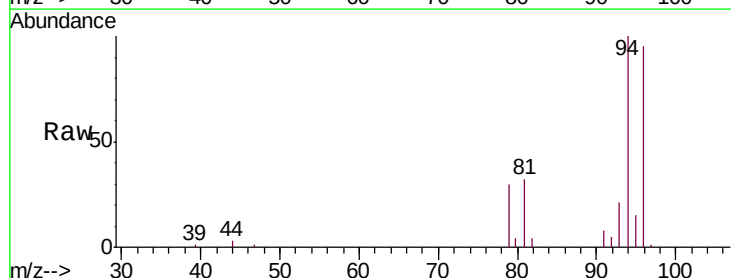
Acq: 25 Feb 2020 13:09

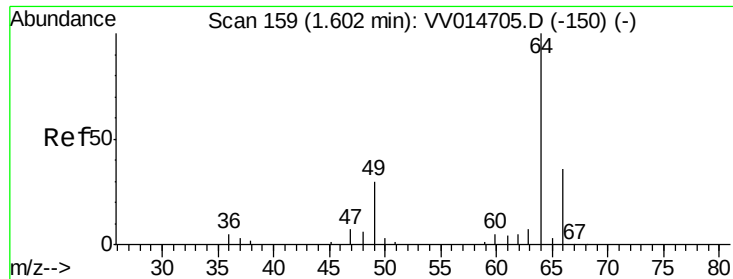
Tgt Ion: 94 Resp: 23715

Ion Ratio Lower Upper

94 100

96 94.8 66.1 122.7





#8

Chloroethane

Concen: 43.474 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

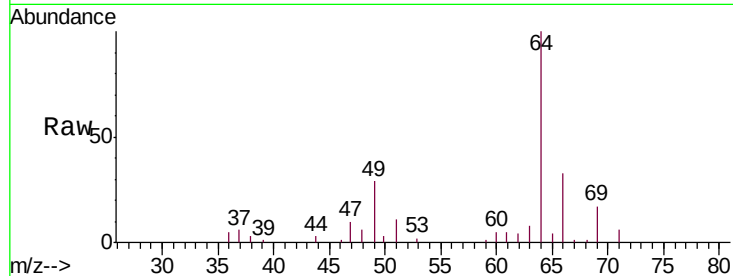
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tgt Ion: 64 Resp: 19575

Ion Ratio Lower Upper

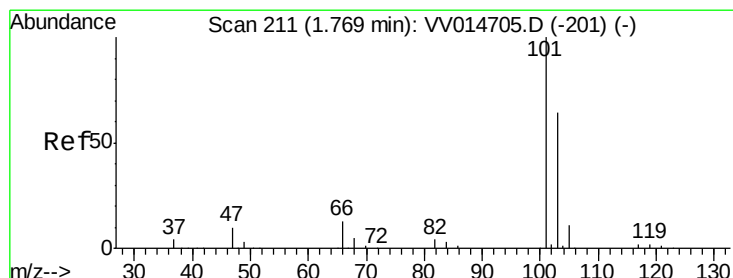
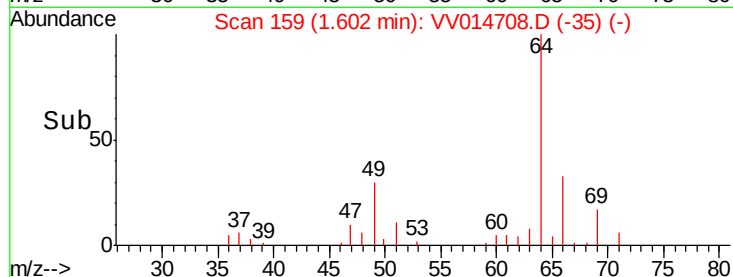
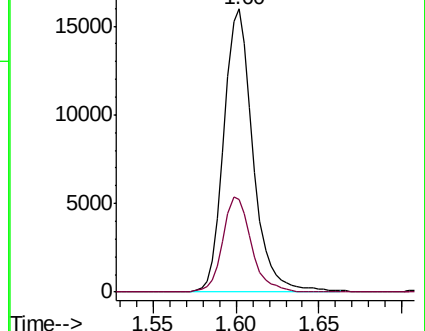
64 100

66 32.8 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014705.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014705.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 50.637 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014708.D

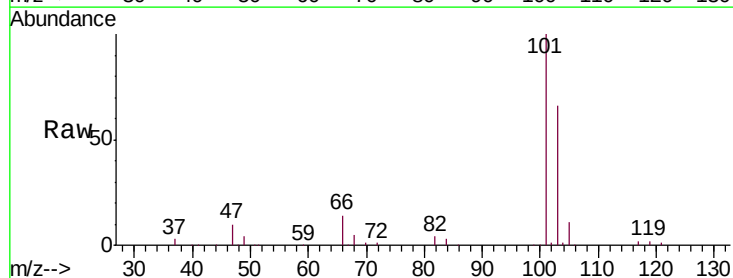
Acq: 25 Feb 2020 13:09

Tgt Ion: 101 Resp: 90683

Ion Ratio Lower Upper

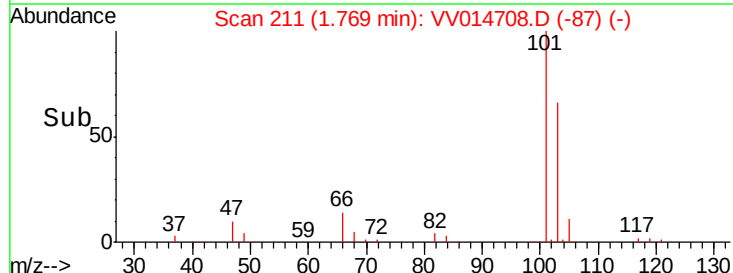
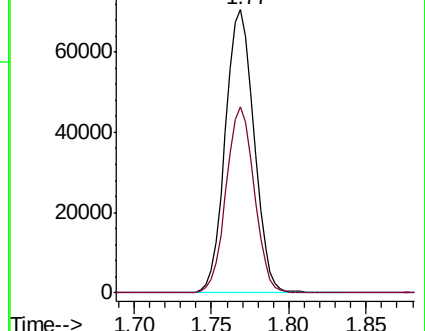
101 100

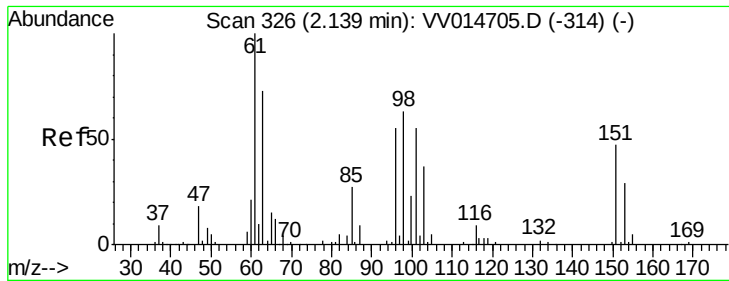
103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014705.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014705.D (-201) (-)





#10

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

Concen: 51.631 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

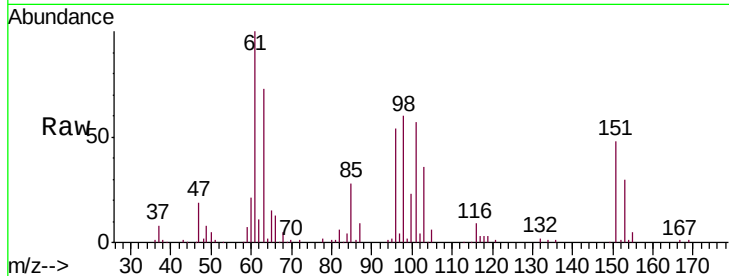
Tgt Ion: 101 Resp: 38467

Ion Ratio Lower Upper

101 100

85 47.3 37.3 55.9

151 81.1 64.6 96.8



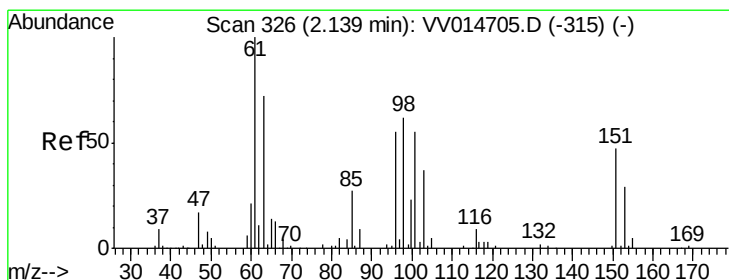
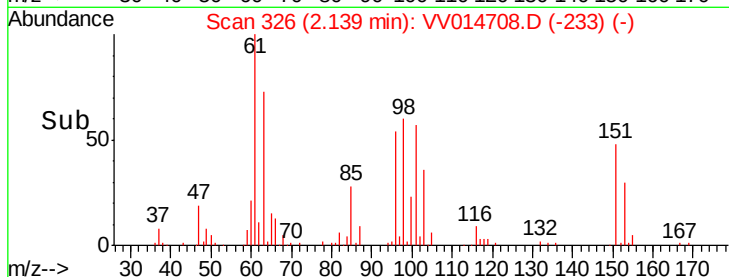
Abundance Ion 101.00 (100.70 to 101.70): VV014708.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014708.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014708.D (-233) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 46.901 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

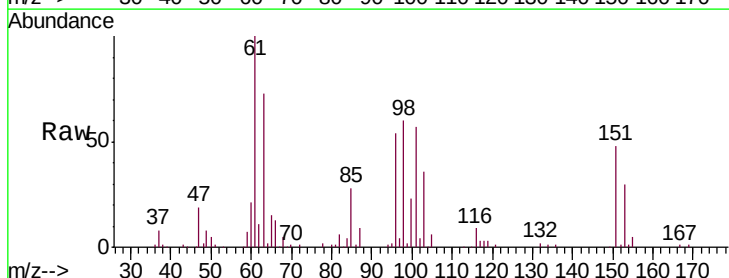
Tgt Ion: 96 Resp: 31449

Ion Ratio Lower Upper

96 100

61 185.1 124.5 231.1

63 134.8 98.1 182.1



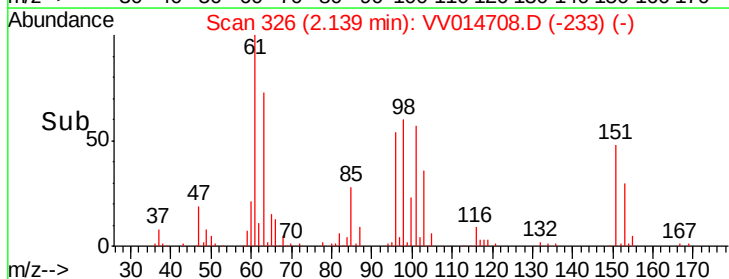
Abundance Ion 96.00 (95.70 to 96.70): VV014708.D (-233) (-)

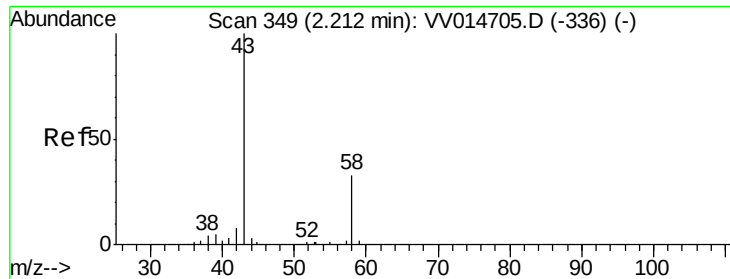
Ion 61.00 (60.70 to 61.70): VV014708.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014708.D (-233) (-)

2.14

Time-->





#13

Acetone

Concen: 103.520 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

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ClientSampleId :

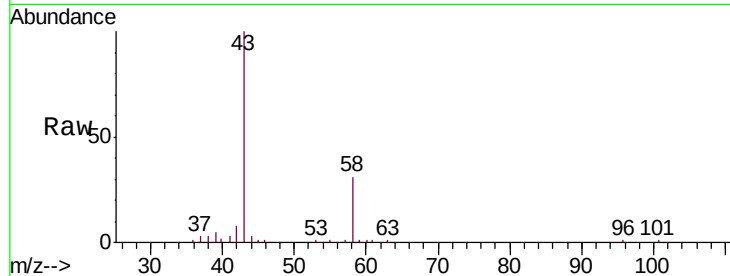
VSTD05077

Tgt Ion: 43 Resp: 73403

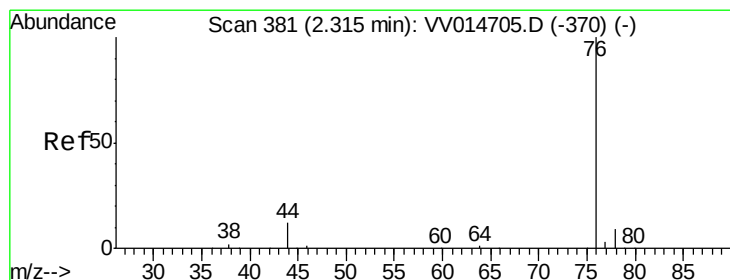
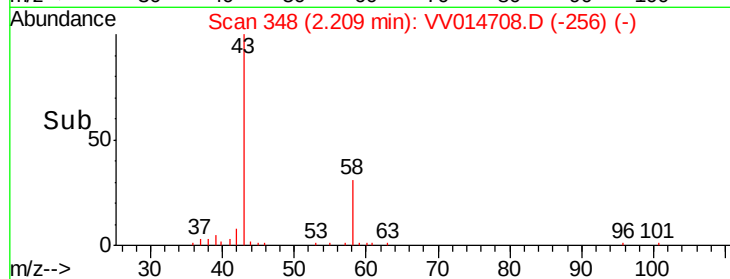
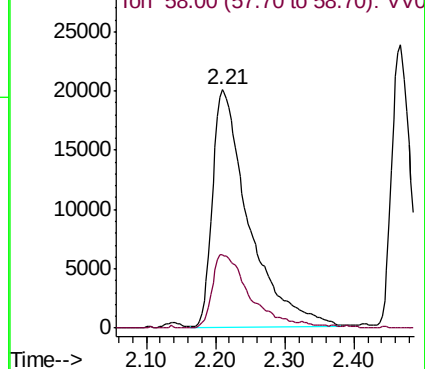
Ion Ratio Lower Upper

43 100

58 29.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV0



#14

Carbon disulfide

Concen: 44.600 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014708.D

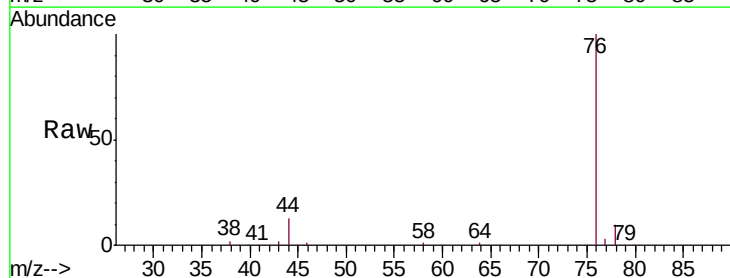
Acq: 25 Feb 2020 13:09

Tgt Ion: 76 Resp: 135381

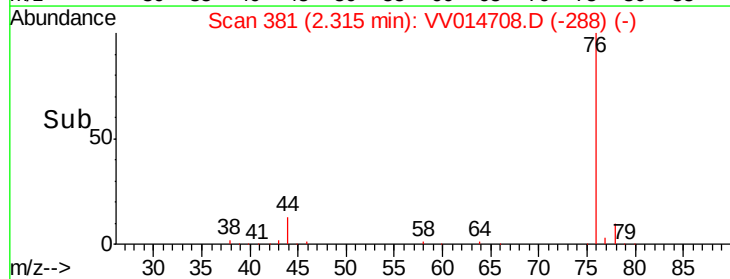
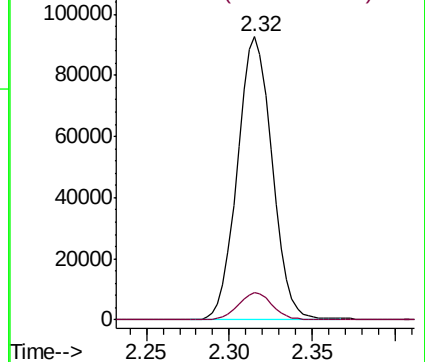
Ion Ratio Lower Upper

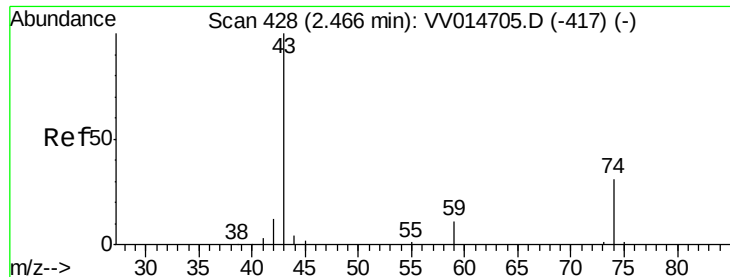
76 100

78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0





#15

Methyl Acetate

Concen: 43.021 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampled :

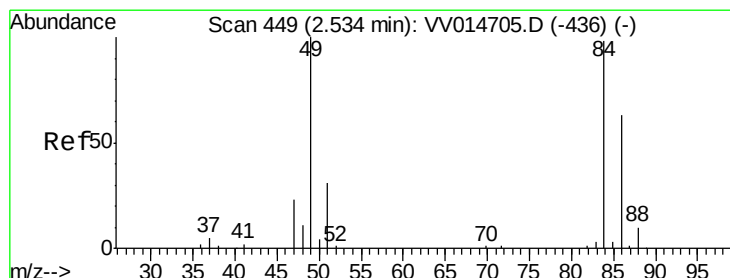
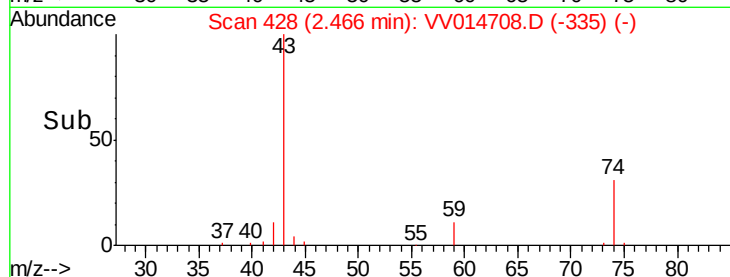
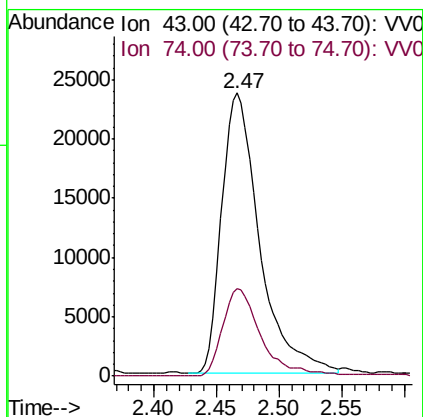
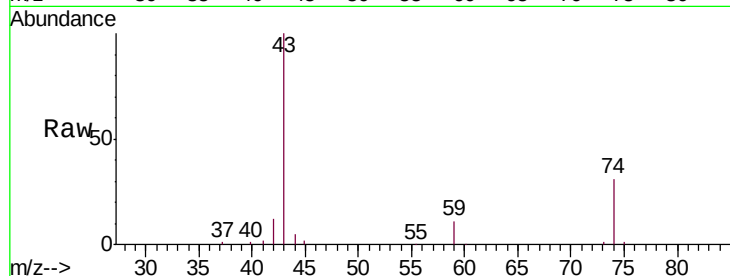
VSTD05077

Tgt Ion: 43 Resp: 49834

Ion Ratio Lower Upper

43 100

74 31.5 23.4 35.2



#16

Methylene chloride

Concen: 47.112 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

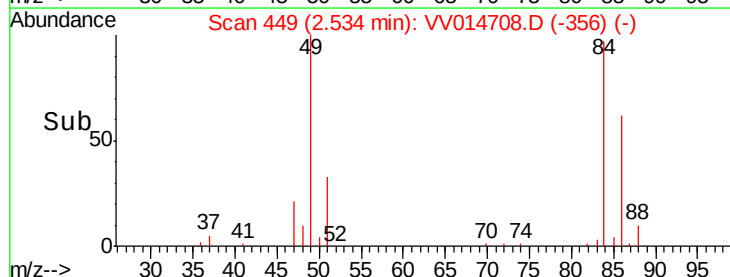
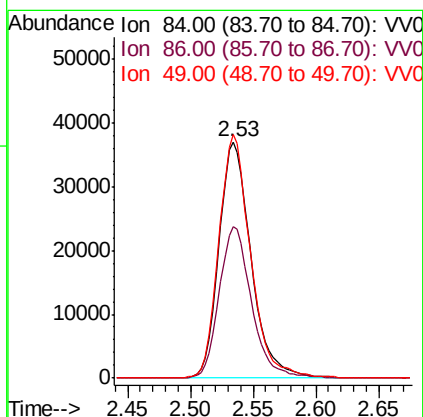
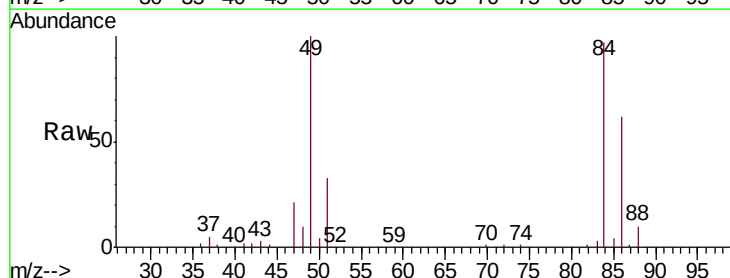
Tgt Ion: 84 Resp: 65901

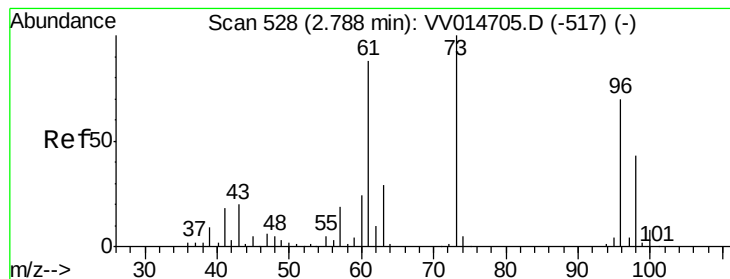
Ion Ratio Lower Upper

84 100

86 64.2 44.4 82.4

49 102.9 73.6 136.8





#17

trans-1,2-Dichloroethene

Concen: 47.212 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

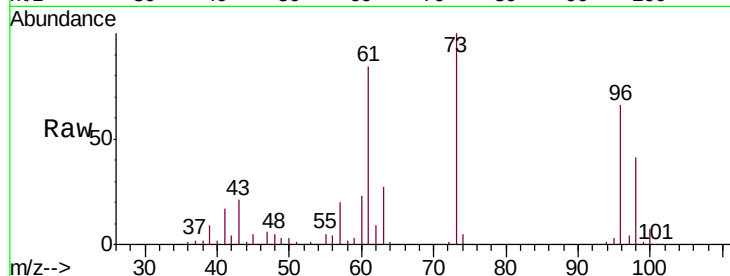
Tgt Ion: 96 Resp: 61386

Ion Ratio Lower Upper

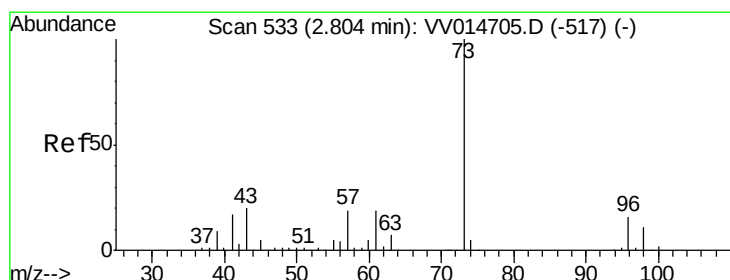
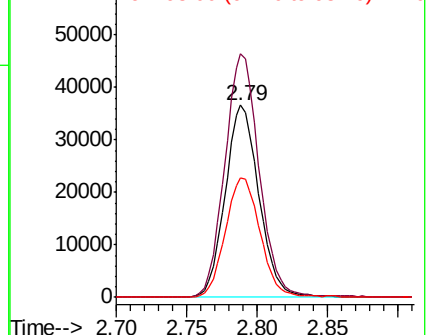
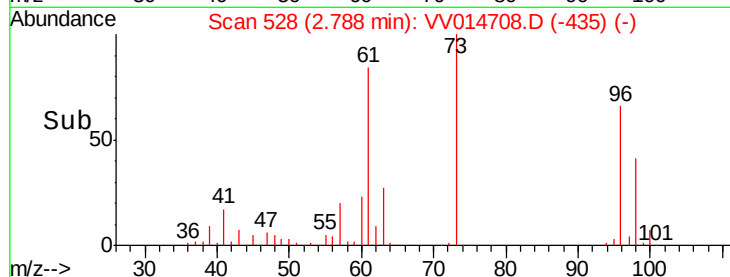
96 100

61 126.8 88.1 163.7

98 62.5 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VV014708.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 48.553 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

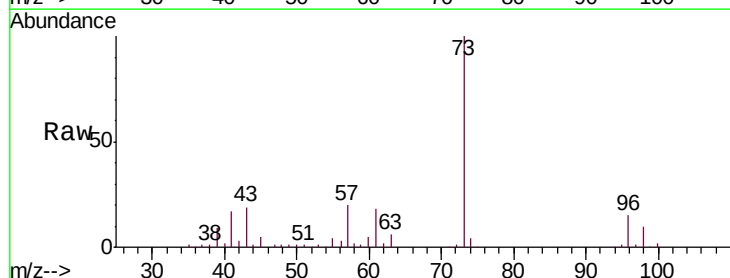
Tgt Ion: 73 Resp: 212233

Ion Ratio Lower Upper

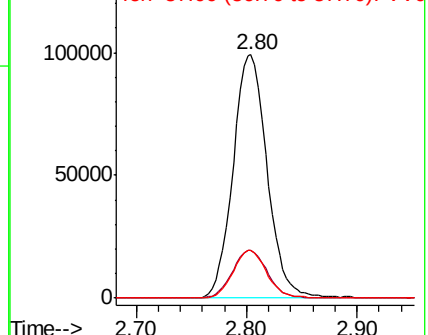
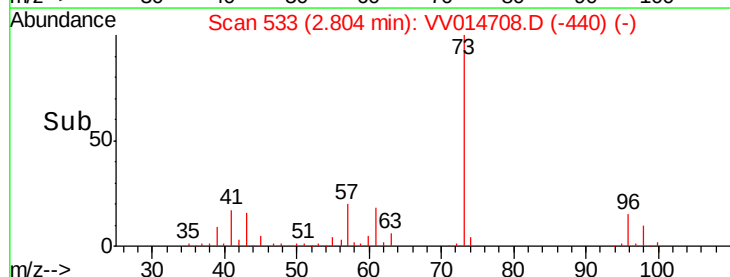
73 100

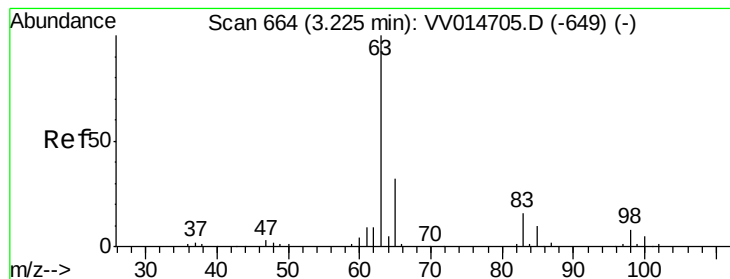
43 20.1 15.6 23.4

57 19.6 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VV014708.D (-440) (-)





#19

1,1-Dichloroethane

Concen: 46.940 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

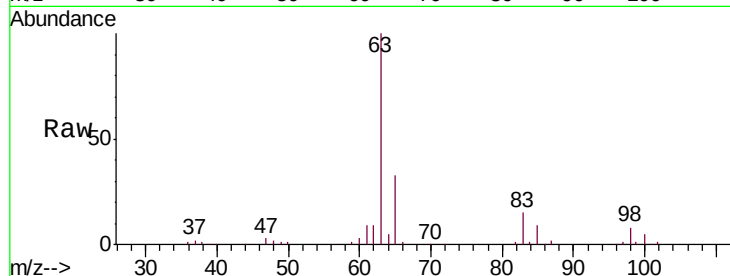
Tgt Ion: 63 Resp: 110007

Ion Ratio Lower Upper

63 100

65 32.7 22.6 42.0

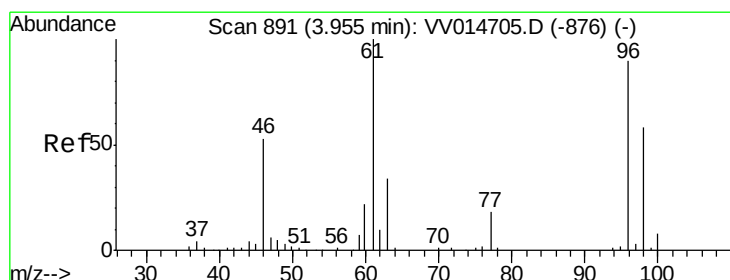
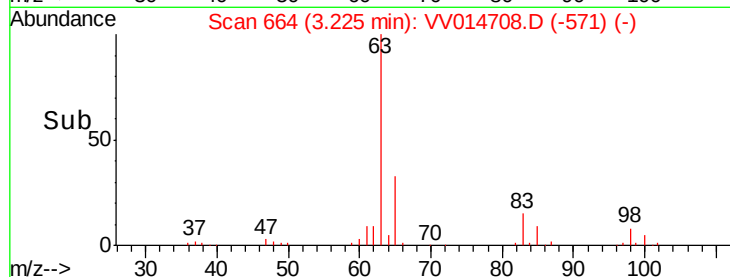
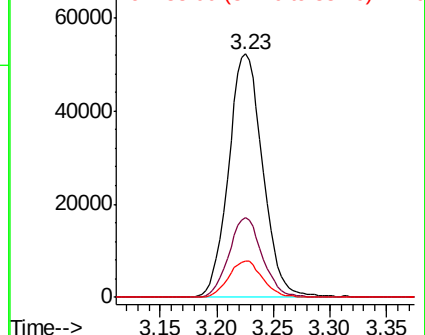
83 15.0 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV014708.D (-649) (-)

Ion 65.00 (64.70 to 65.70): VV014708.D (-649) (-)

Ion 83.00 (82.70 to 83.70): VV014708.D (-649) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.980 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

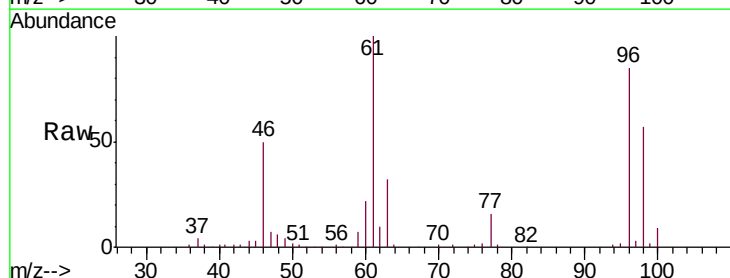
Tgt Ion: 96 Resp: 72462

Ion Ratio Lower Upper

96 100

61 117.9 82.4 153.0

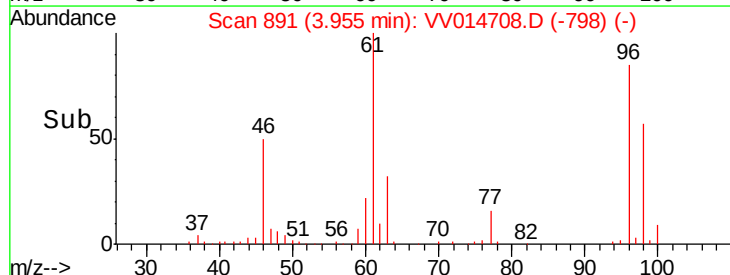
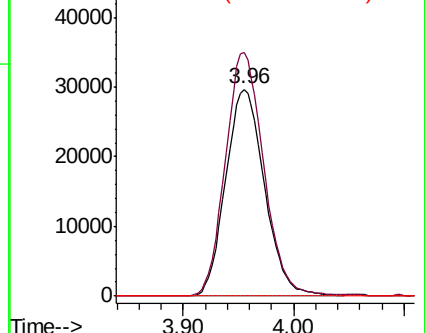
68 0.0 0.0 0.0

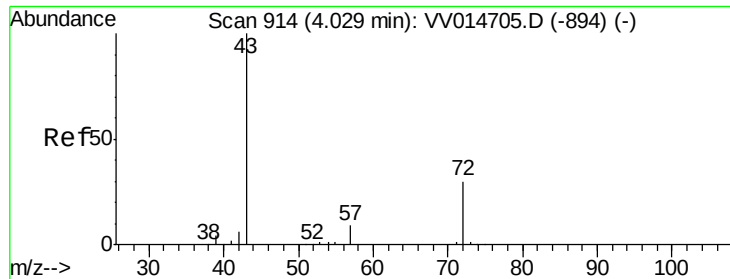


Abundance Ion 96.00 (95.70 to 96.70): VV014708.D (-798) (-)

Ion 61.00 (60.70 to 61.70): VV014708.D (-798) (-)

Ion 68.00 (67.70 to 68.70): VV014708.D (-798) (-)





#22

2-Butanone

Concen: 90.836 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampled :

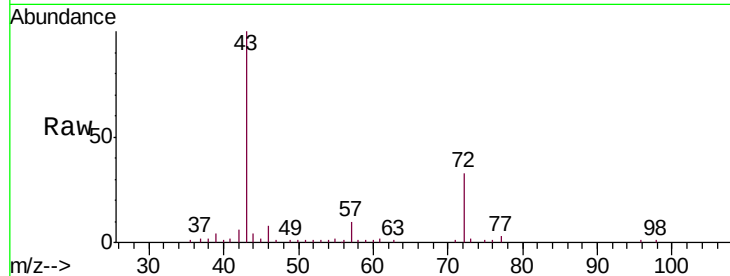
VSTD05077

Tgt Ion: 43 Resp: 81565

Ion Ratio Lower Upper

43 100

72 29.8 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VV014708.D (-903) (-)

Ion 72.00 (71.70 to 72.70): VV014708.D (-903) (-)

4.03

25000

20000

15000

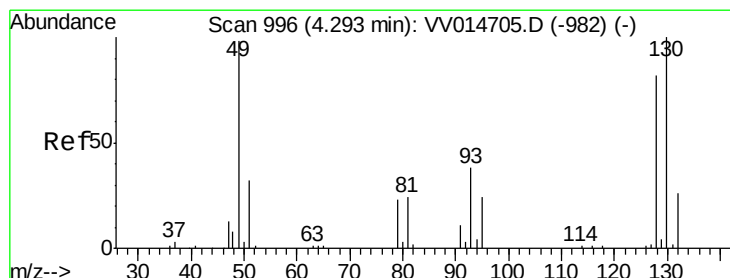
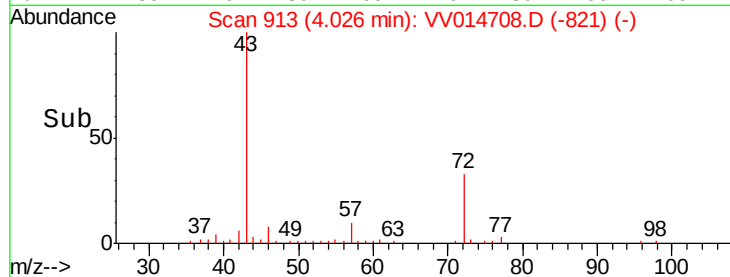
10000

5000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 49.638 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Tgt Ion: 128 Resp: 38057

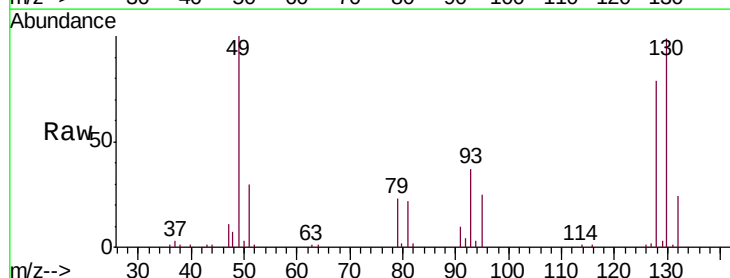
Ion Ratio Lower Upper

128 100

49 127.2 89.7 166.5

130 125.9 85.0 158.0

51 37.7 30.0 45.0



Abundance Ion 128.00 (127.70 to 128.70): VV014708.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV014708.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV014708.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV014708.D (-903) (-)

4.29

30000

25000

20000

15000

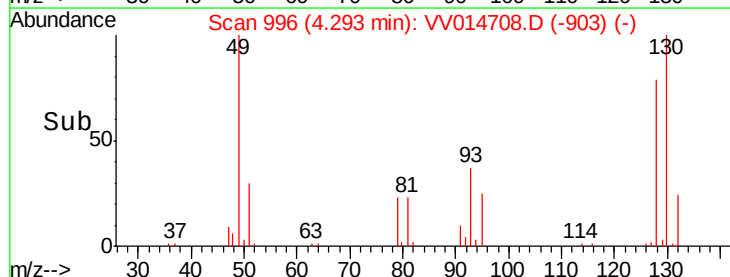
10000

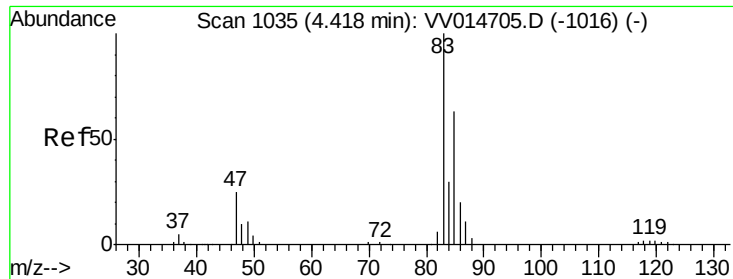
5000

0

Time-->

4.20 4.25 4.30 4.35 4.40

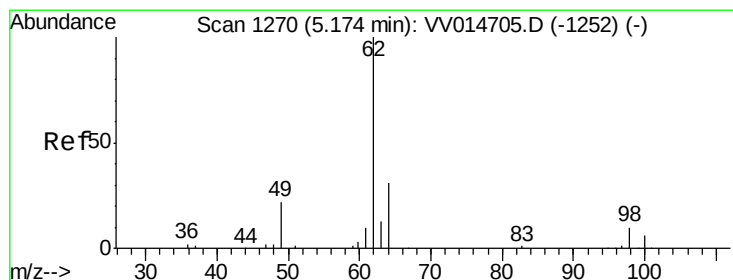
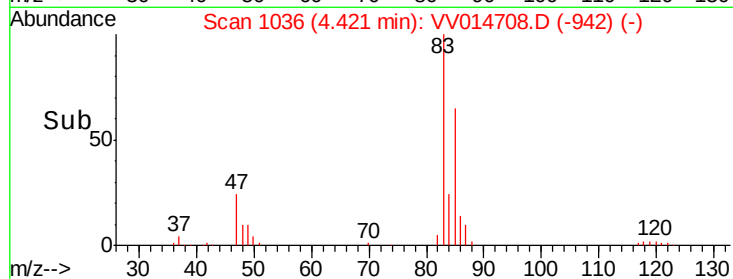
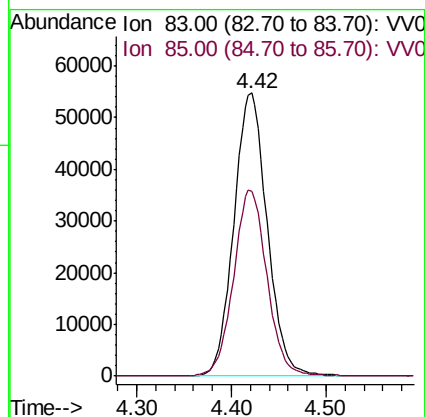
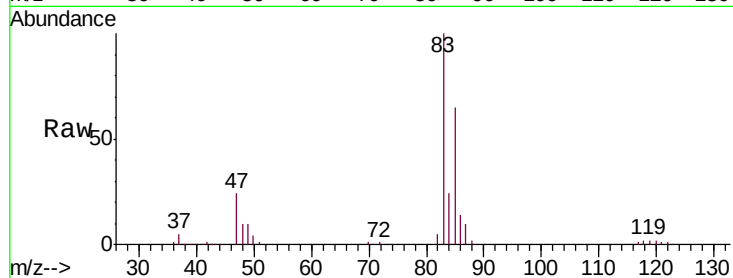




#25
Chloroform
Concen: 49.243 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014708.D
Acq: 25 Feb 2020 13:09

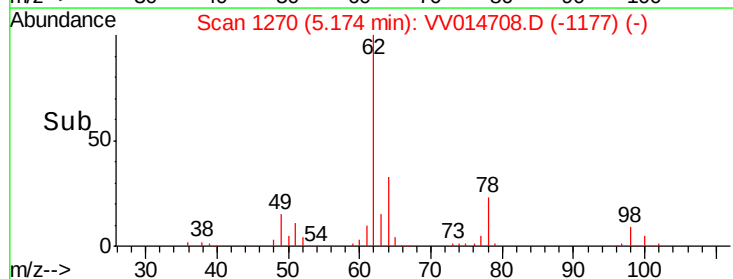
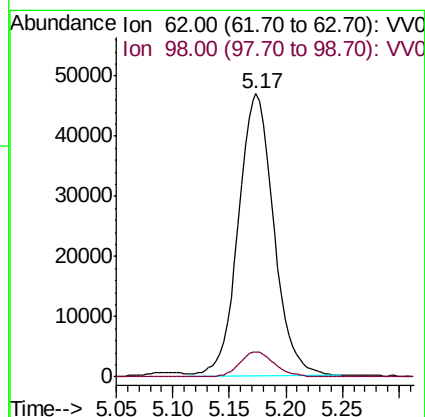
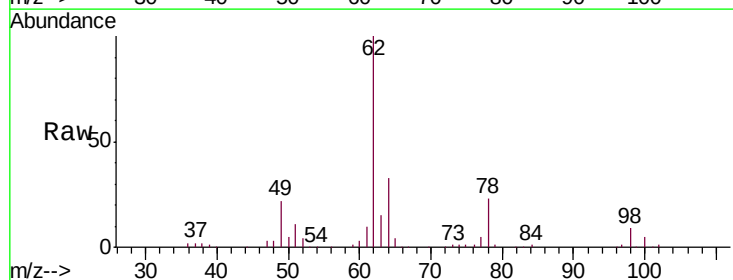
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

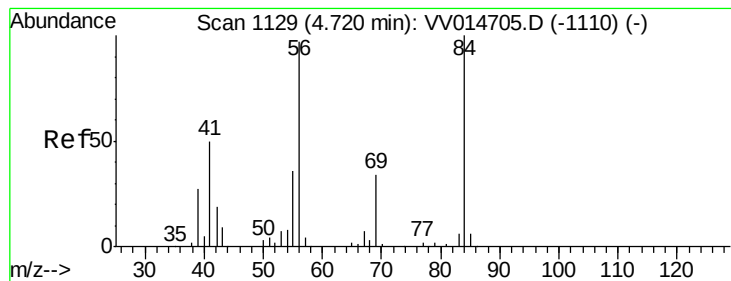
Tgt Ion: 83 Resp: 134248
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 51.112 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014708.D
Acq: 25 Feb 2020 13:09

Tgt Ion: 62 Resp: 102115
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6





#29

Cyclohexane

Concen: 45.015 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

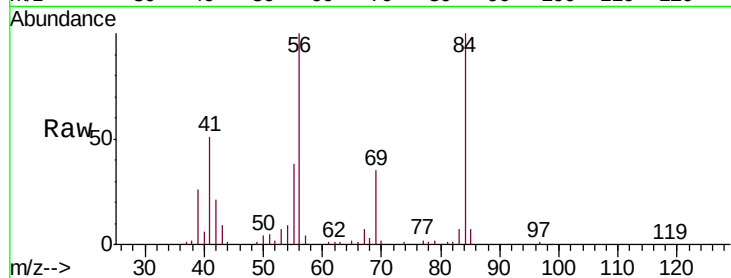
Tgt Ion: 56 Resp: 87763

Ion Ratio Lower Upper

56 100

69 34.6 26.9 40.3

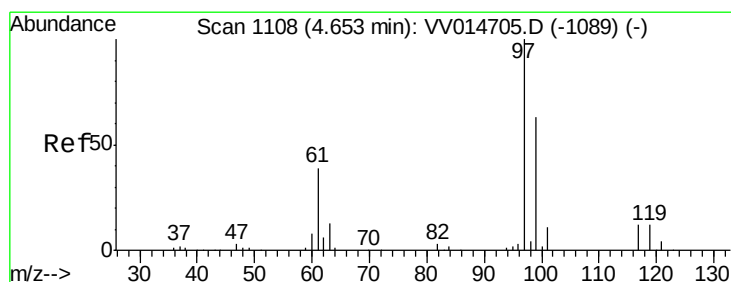
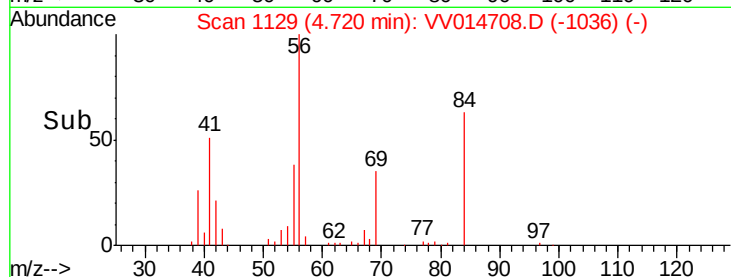
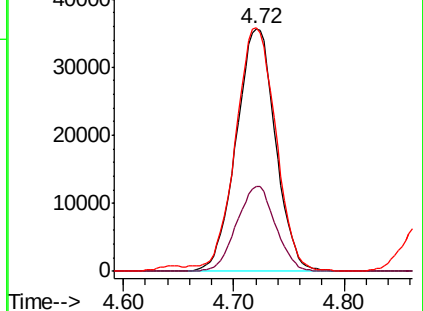
84 102.8 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV014708.D (-1036) (-)

Ion 69.00 (68.70 to 69.70): VV014708.D (-1036) (-)

Ion 84.00 (83.70 to 84.70): VV014708.D (-1036) (-)



#30

1,1,1-Trichloroethane

Concen: 50.610 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

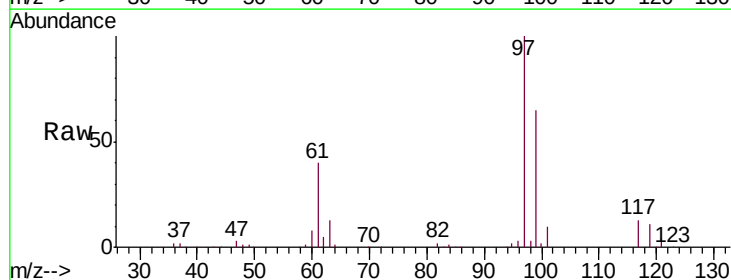
Tgt Ion: 97 Resp: 122779

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

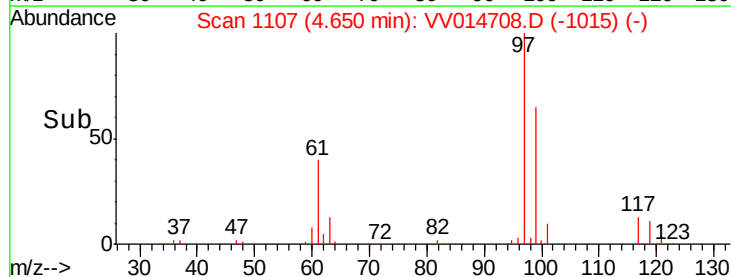
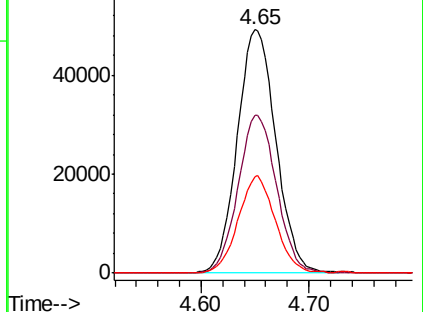
61 38.4 31.4 47.0

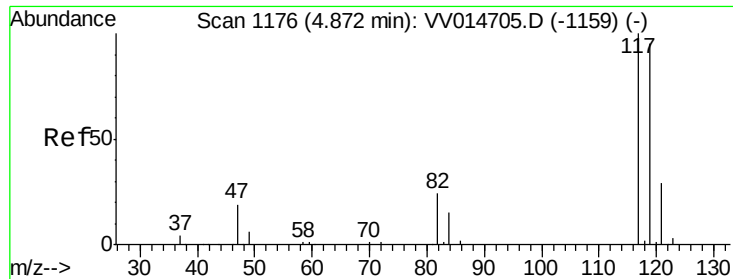


Abundance Ion 97.00 (96.70 to 97.70): VV014708.D (-1015) (-)

Ion 99.00 (98.70 to 99.70): VV014708.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV014708.D (-1015) (-)





#31

Carbon tetrachloride

Concen: 50.743 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

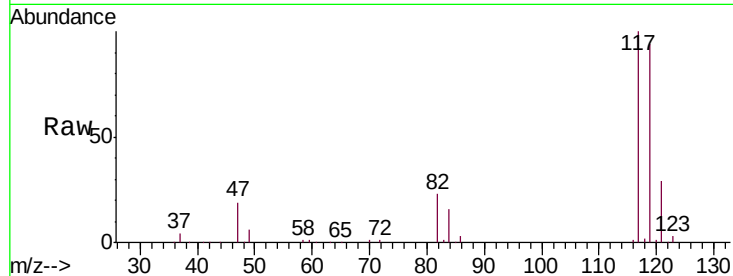
VSTD05077

Tgt Ion:117 Resp: 108919

Ion Ratio Lower Upper

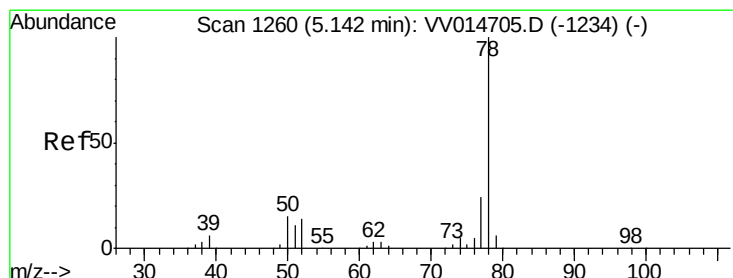
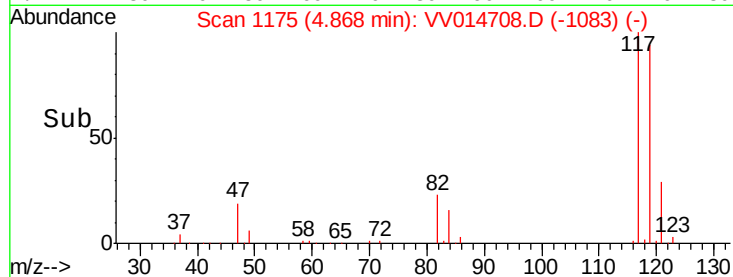
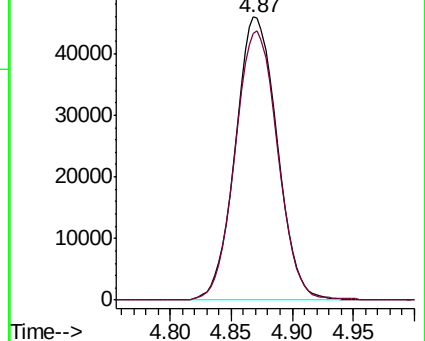
117 100

119 96.7 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.979 ug/L

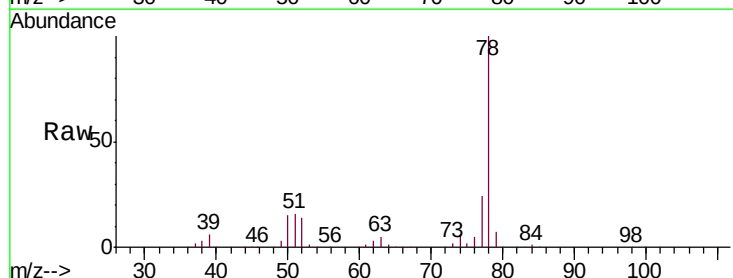
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

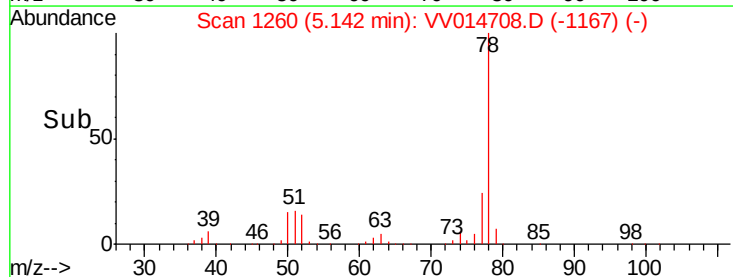
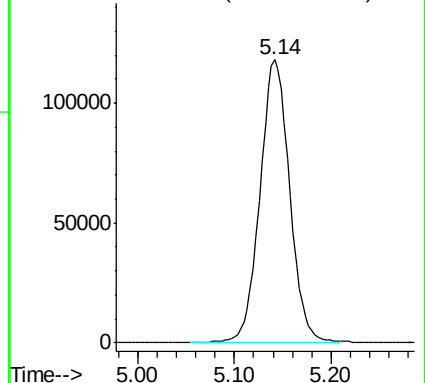
Lab File: VV014708.D

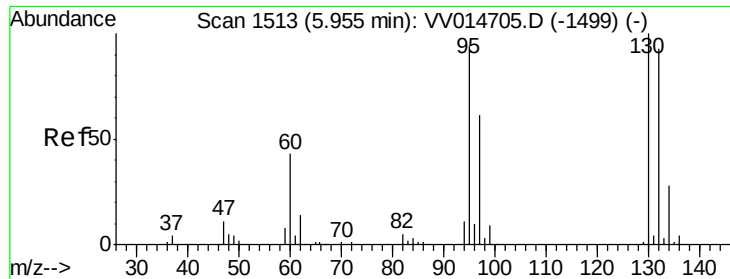
Acq: 25 Feb 2020 13:09

Tgt Ion: 78 Resp: 252750



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.265 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tgt Ion: 95 Resp: 72456

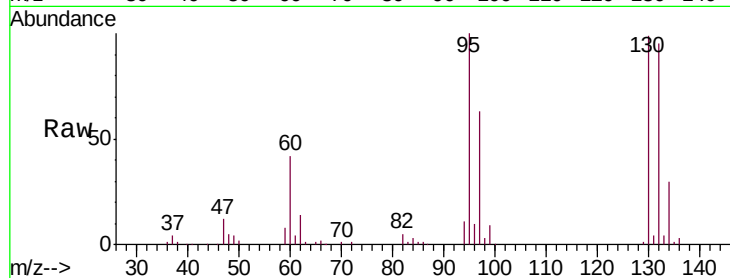
Ion Ratio Lower Upper

95 100

97 62.7 44.3 82.3

132 94.8 69.7 129.4

130 99.1 71.3 132.5

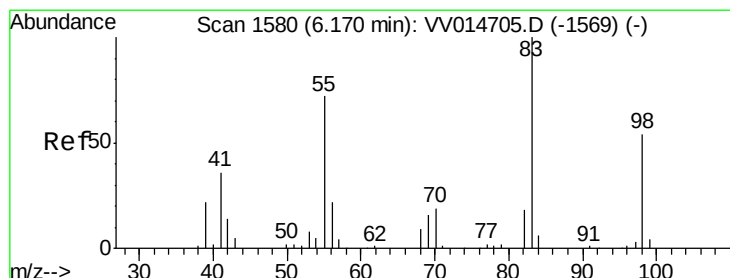
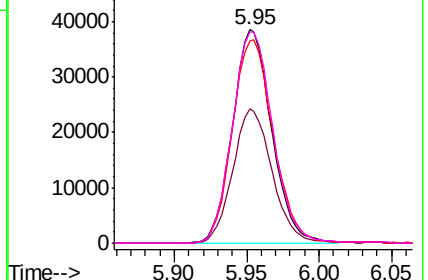
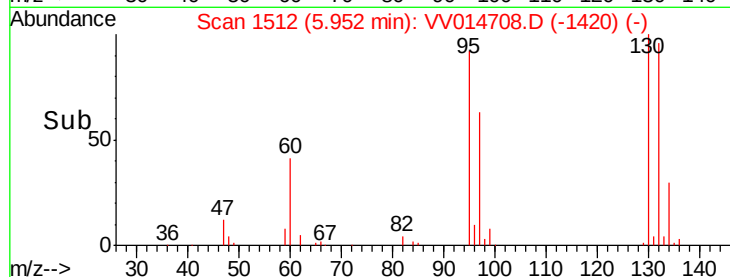


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.984 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

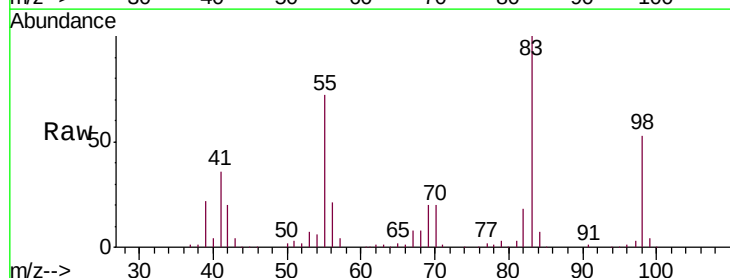
Tgt Ion: 83 Resp: 109504

Ion Ratio Lower Upper

83 100

55 70.2 56.1 84.1

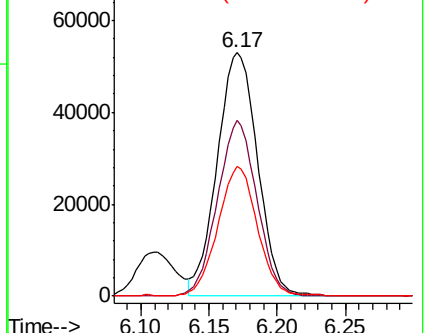
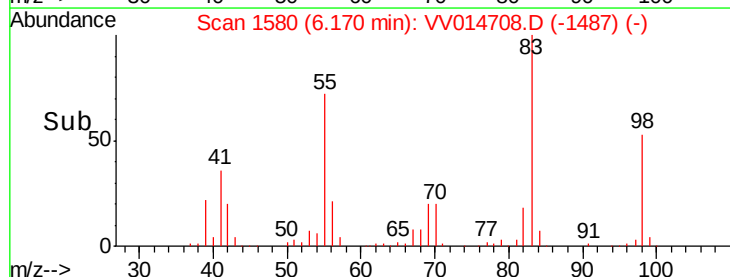
98 51.9 40.4 60.6

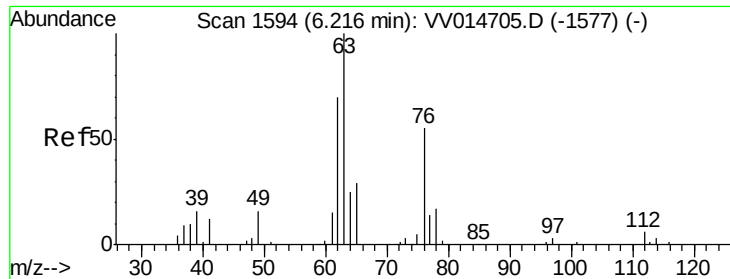


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

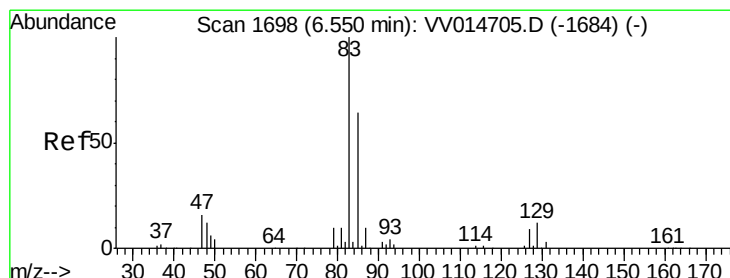
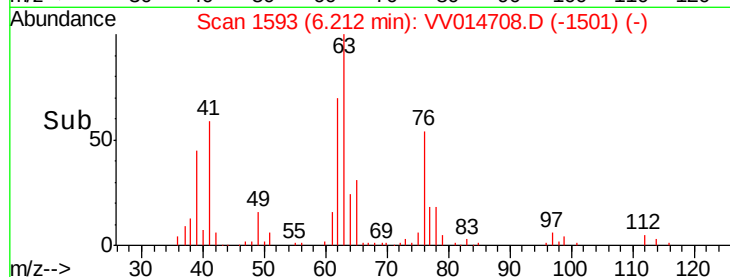
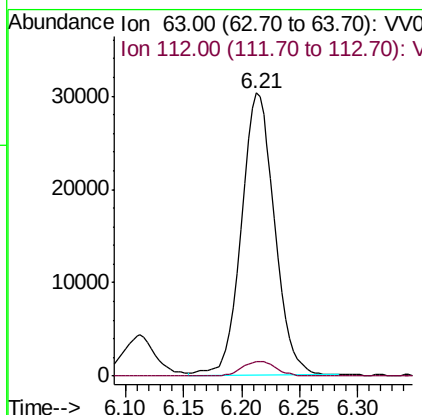
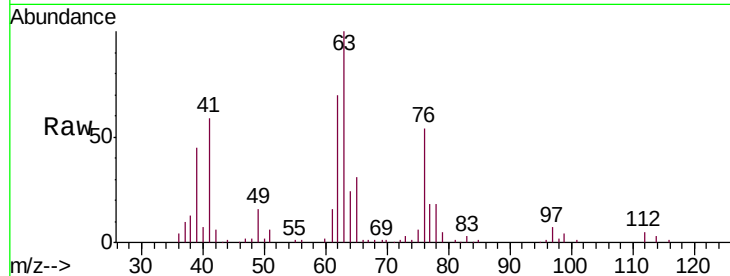




#37
 1,2-Dichloropropane
 Concen: 45.848 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

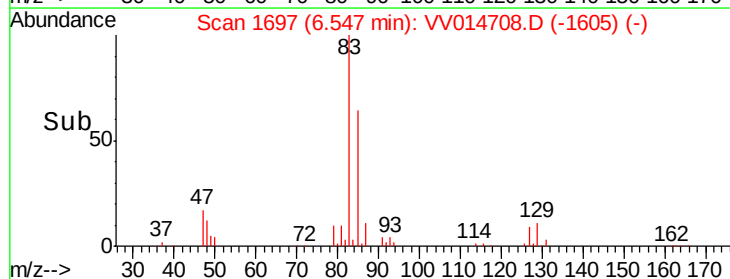
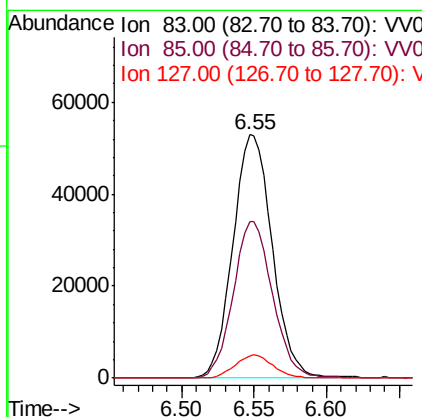
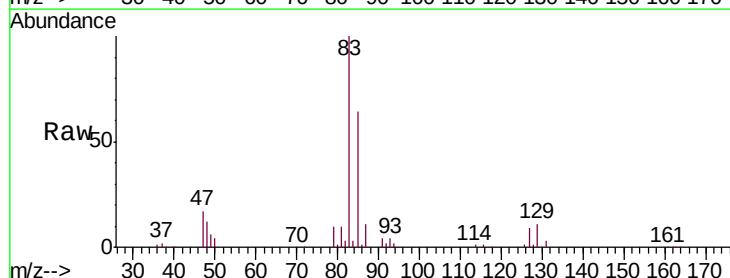
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

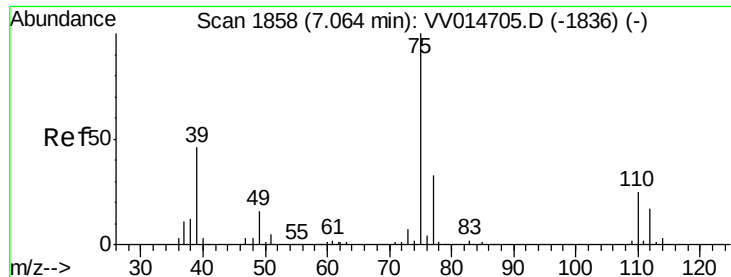
Tgt Ion: 63 Resp: 60330
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.177 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion: 83 Resp: 99739
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.2 82.2
 127 9.3 6.7 10.1

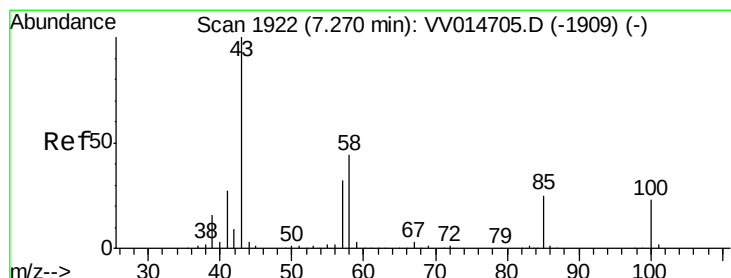
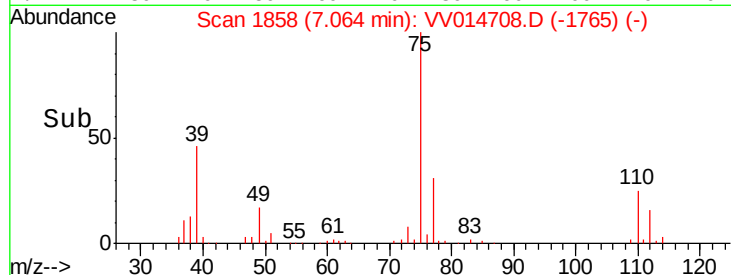
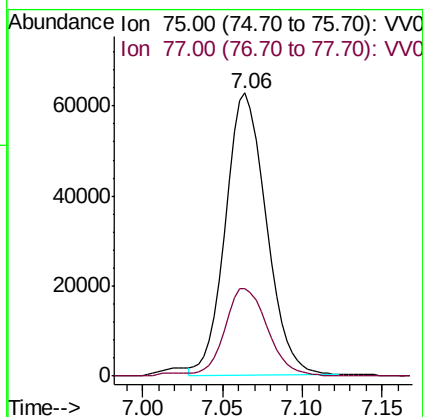
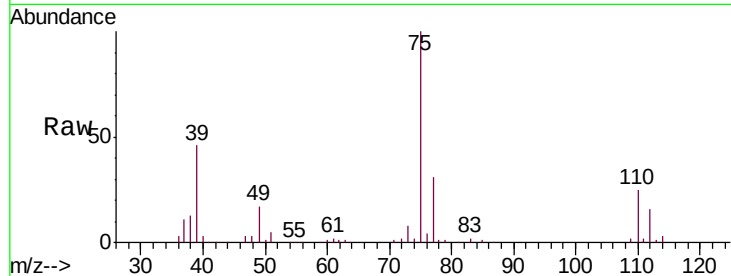




#39
 cis-1,3-Dichloropropene
 Concen: 46.407 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

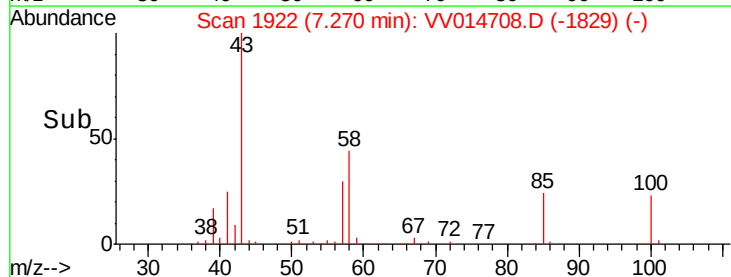
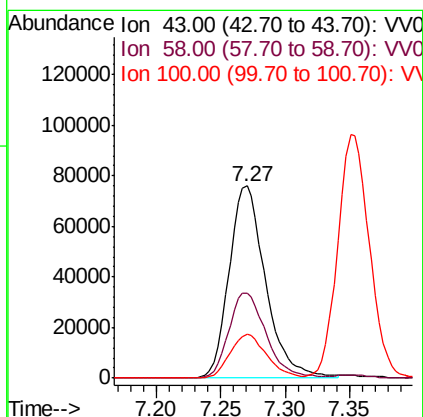
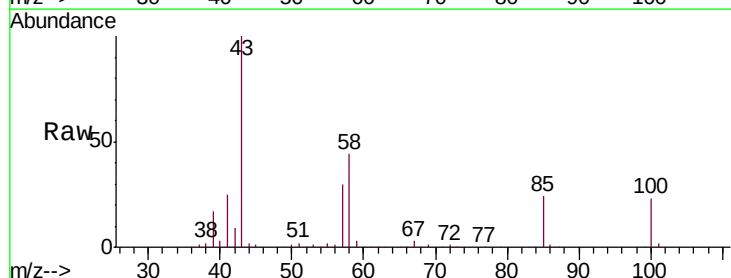
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

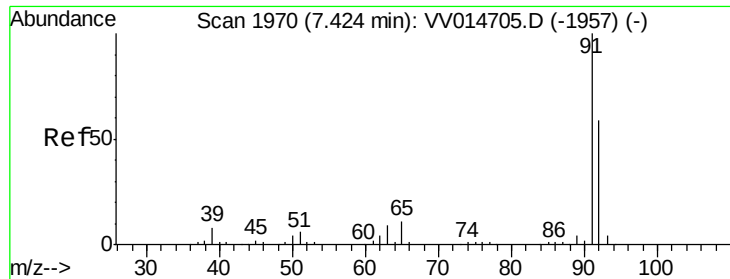
Tgt Ion: 75 Resp: 109056
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 91.539 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion: 43 Resp: 149217
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.7 53.5
 100 22.8 16.8 25.2





#42

Toluene

Concen: 48.850 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

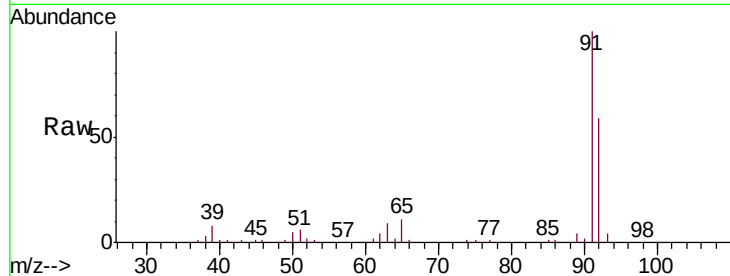
VSTD05077

Tgt Ion: 91 Resp: 284146

Ion Ratio Lower Upper

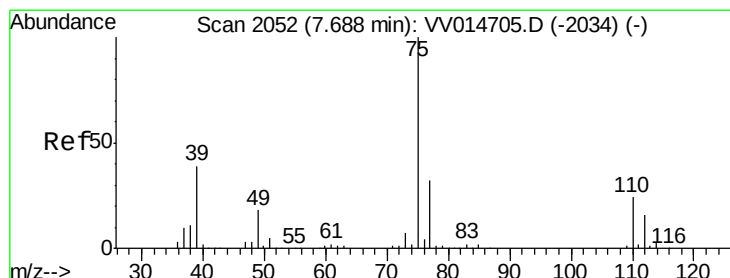
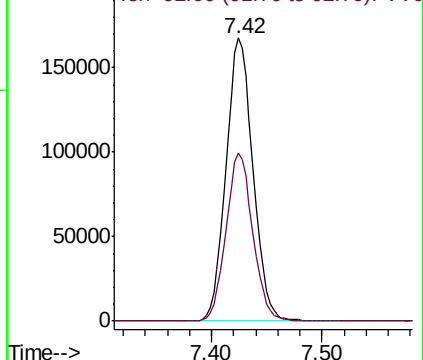
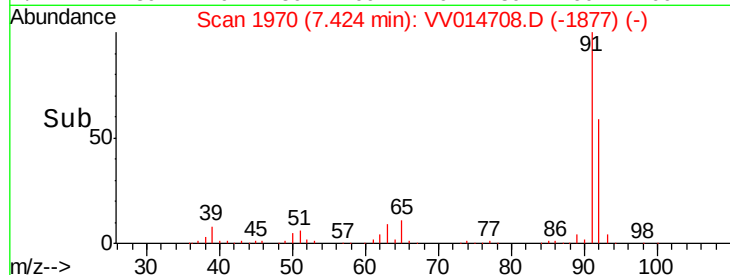
91 100

92 59.2 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014708.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VV014708.D (-1877) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.709 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.00 min

Lab File: VV014708.D

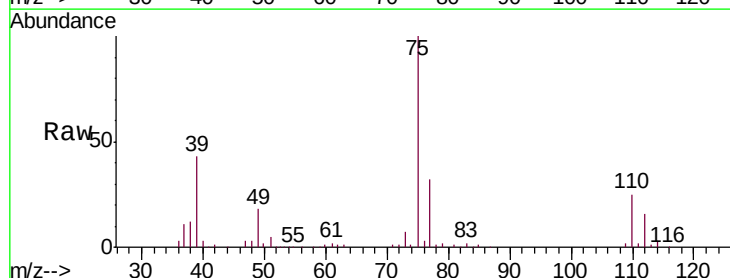
Acq: 25 Feb 2020 13:09

Tgt Ion: 75 Resp: 105983

Ion Ratio Lower Upper

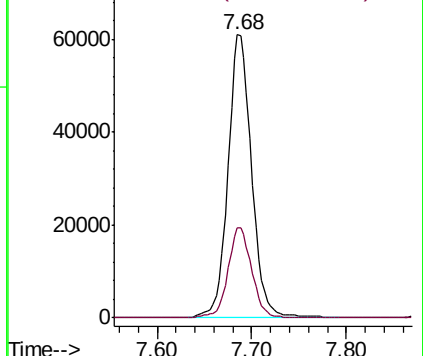
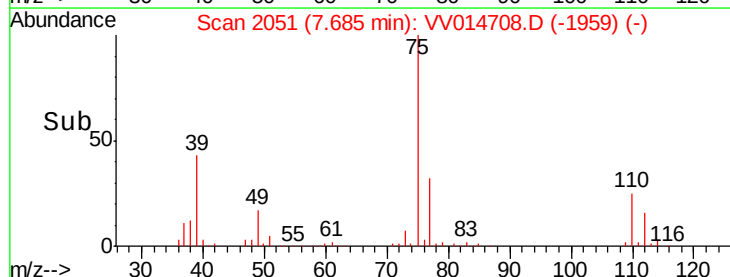
75 100

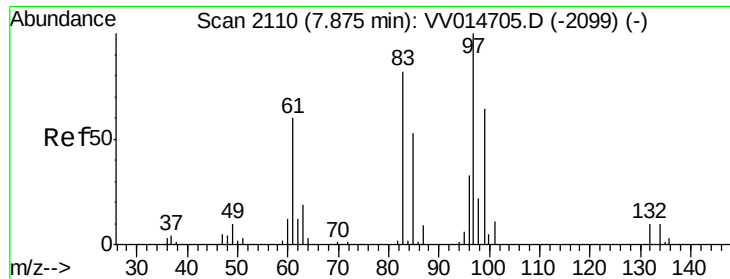
77 31.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014708.D (-1959) (-)

Ion 77.00 (76.70 to 77.70): VV014708.D (-1959) (-)

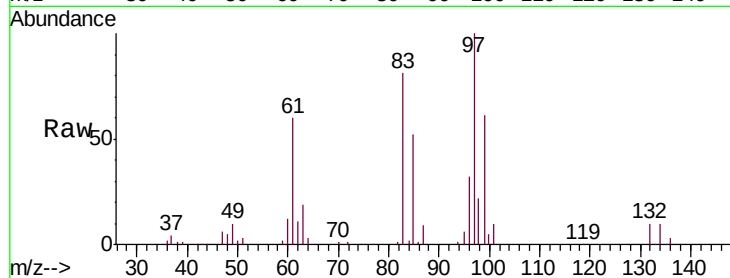




#45
 1,1,2-Trichloroethane
 Concen: 48.517 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tgt Ion:	97	Resp:	68333
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.7	81.1
83	81.3	57.3	106.5
85	51.5	37.1	68.9



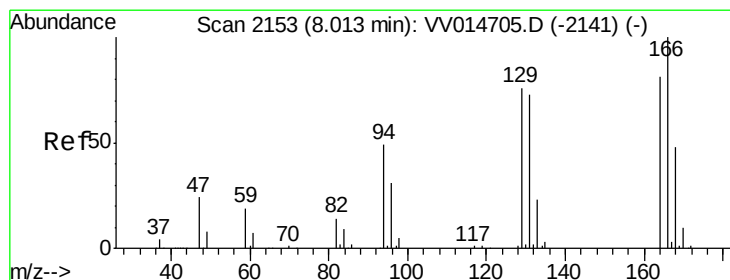
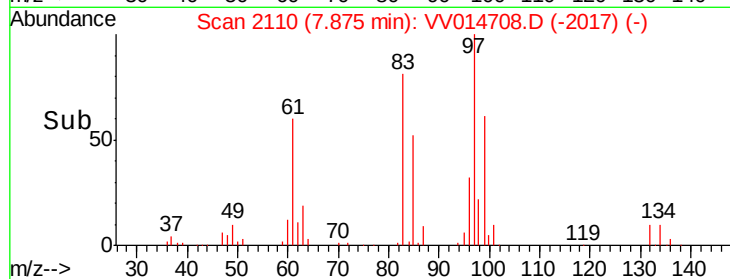
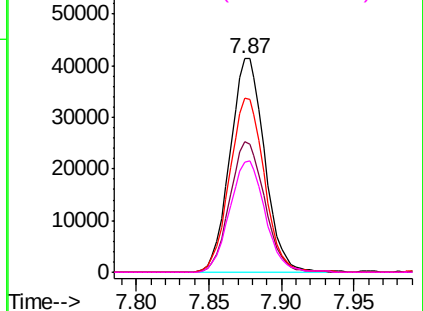
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

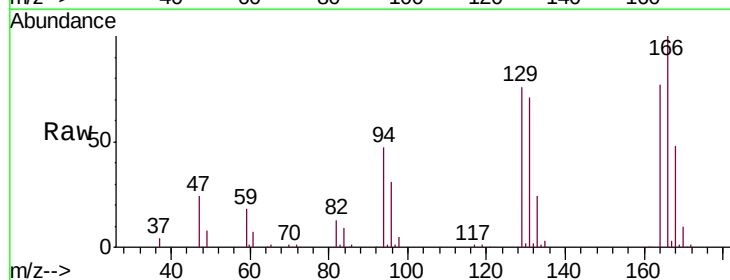
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 50.388 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion:	164	Resp:	57089
Ion	Ratio	Lower	Upper
164	100		
129	98.7	70.3	130.7
131	92.4	66.8	124.0
166	130.2	88.8	165.0



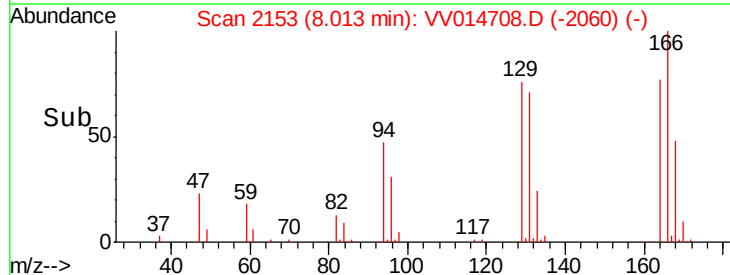
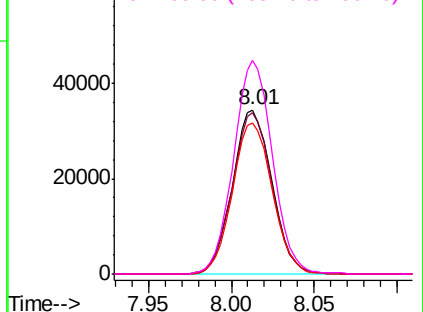
Abundance

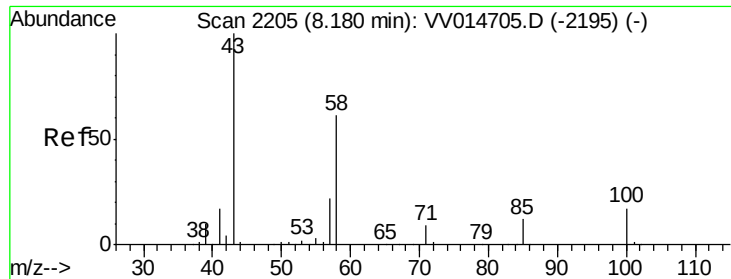
Ion 164.00 (163.70 to 164.70): V

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

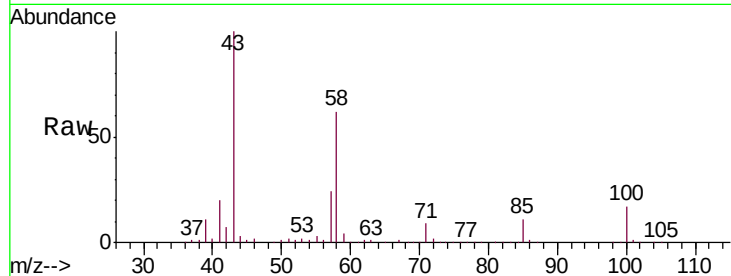




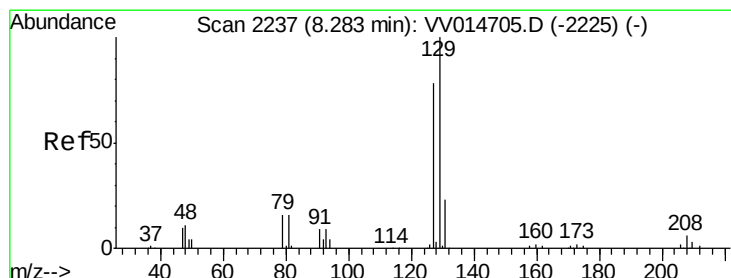
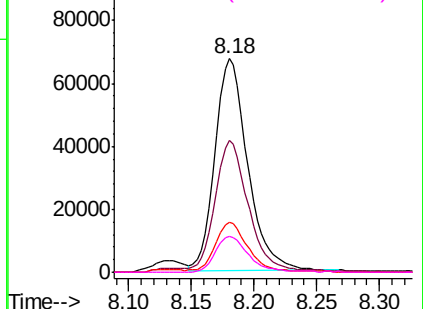
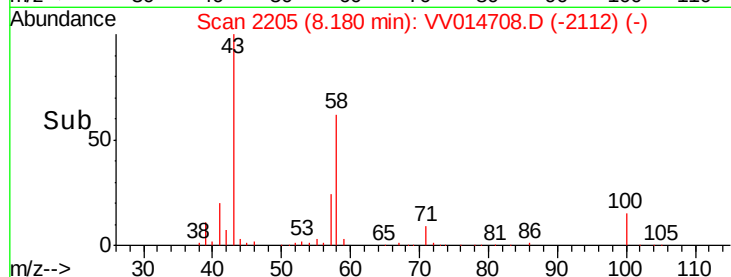
#48
2-Hexanone
Concen: 96.105 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014708.D
Acq: 25 Feb 2020 13:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tgt Ion: 43 Resp: 122872
Ion Ratio Lower Upper
43 100
58 61.3 49.4 74.2
57 22.5 17.8 26.8
100 17.0 13.1 19.7

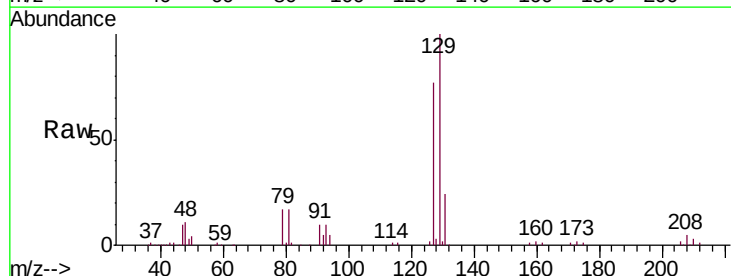


Abundance Ion 43.00 (42.70 to 43.70): VV014708.D (-2112) (-)
Ion 58.00 (57.70 to 58.70): VV014708.D (-2112) (-)
Ion 57.00 (56.70 to 57.70): VV014708.D (-2112) (-)
Ion 100.00 (99.70 to 100.70): VV014708.D (-2112) (-)

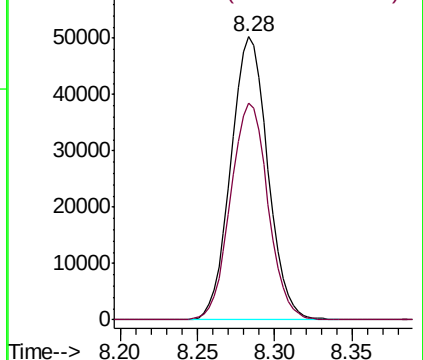
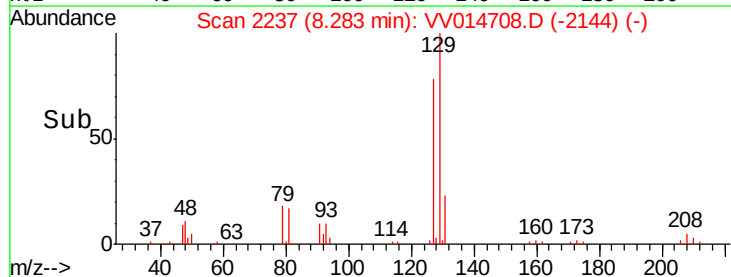


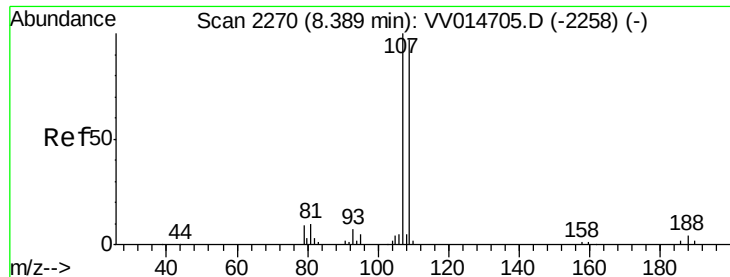
#49
Dibromochloromethane
Concen: 49.799 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014708.D
Acq: 25 Feb 2020 13:09

Tgt Ion: 129 Resp: 83353
Ion Ratio Lower Upper
129 100
127 76.5 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): VV014708.D (-2144) (-)
Ion 127.00 (126.70 to 127.70): VV014708.D (-2144) (-)

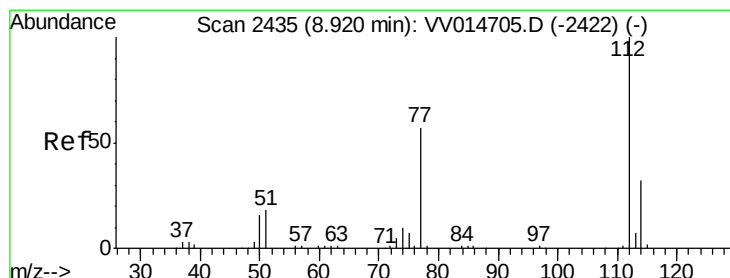
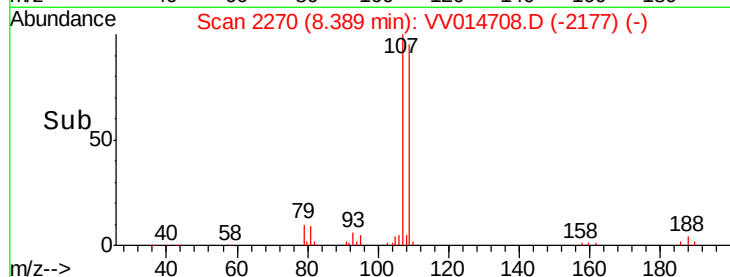
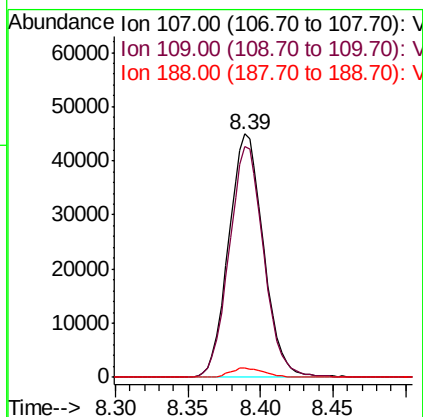
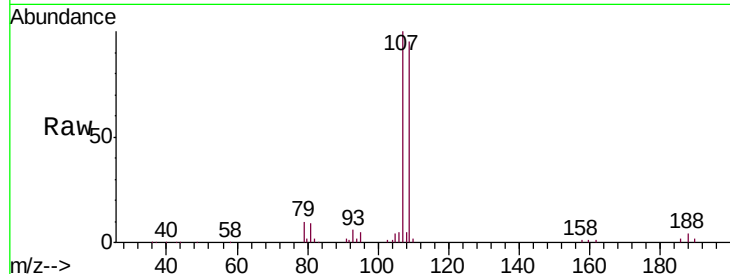




#50
 1,2-Dibromoethane
 Concen: 48.275 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

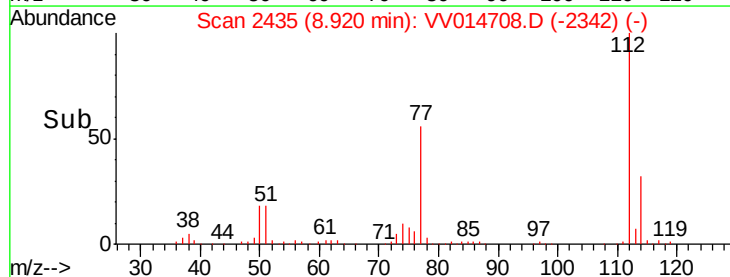
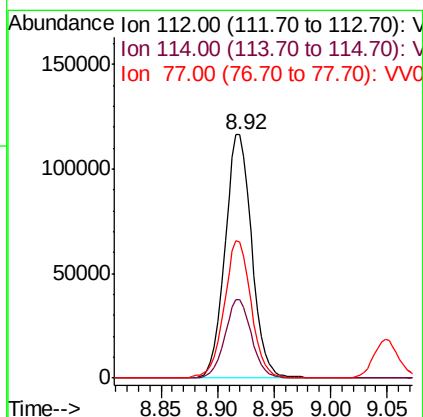
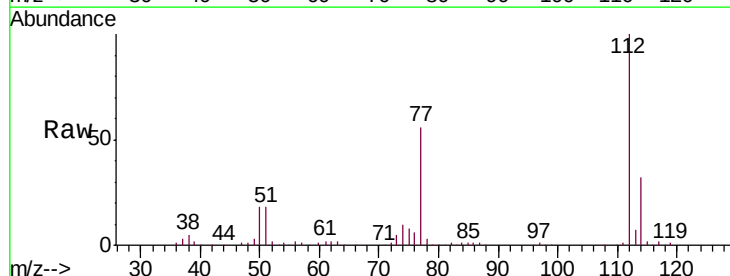
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

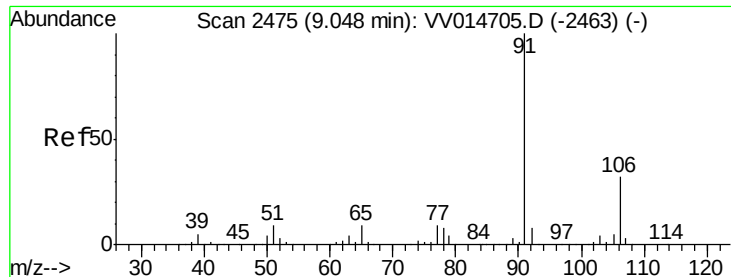
Tgt Ion:107 Resp: 74914
 Ion Ratio Lower Upper
 107 100
 109 94.8 66.1 122.7
 188 3.8 2.7 4.1



#51
 Chlorobenzene
 Concen: 48.389 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion:112 Resp: 191794
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.5 41.7
 77 56.0 45.8 68.8





#52

Ethylbenzene

Concen: 49.208 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

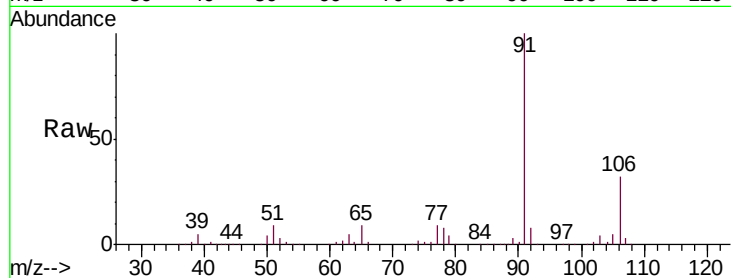
VSTD05077

Tgt Ion: 91 Resp: 328025

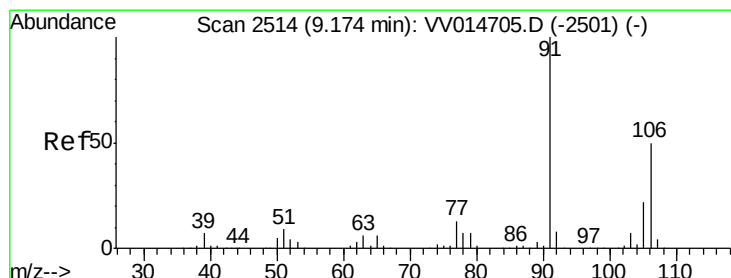
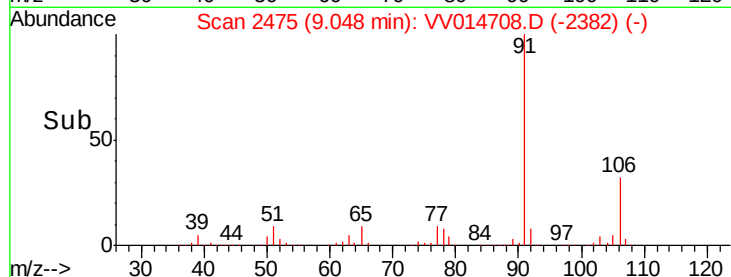
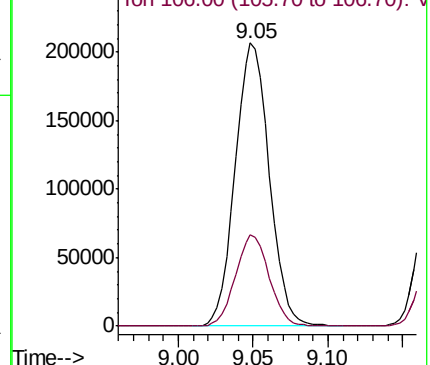
Ion Ratio Lower Upper

91 100

106 32.2 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014708.D (-2463) (-)



#53

m,p-Xylene

Concen: 48.775 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VV014708.D

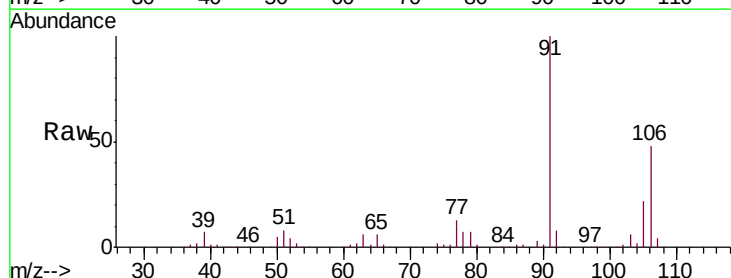
Acq: 25 Feb 2020 13:09

Tgt Ion: 106 Resp: 125707

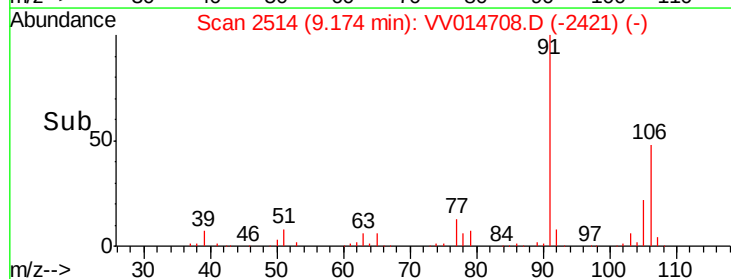
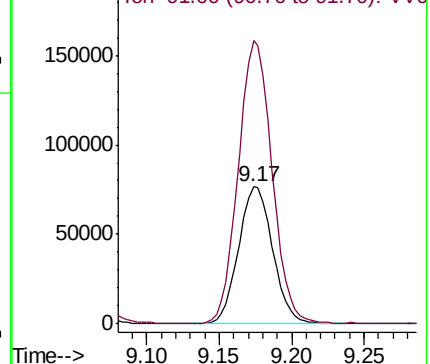
Ion Ratio Lower Upper

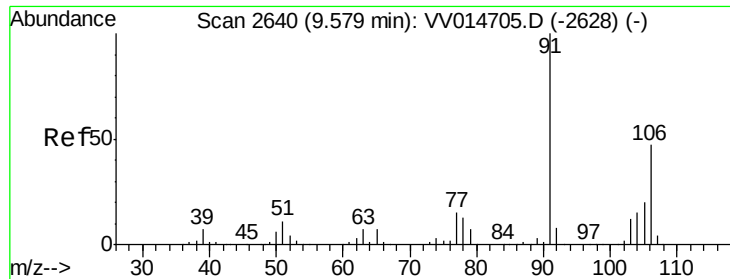
106 100

91 206.5 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014708.D (-2501) (-)





#54

o-xylene

Concen: 49.164 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

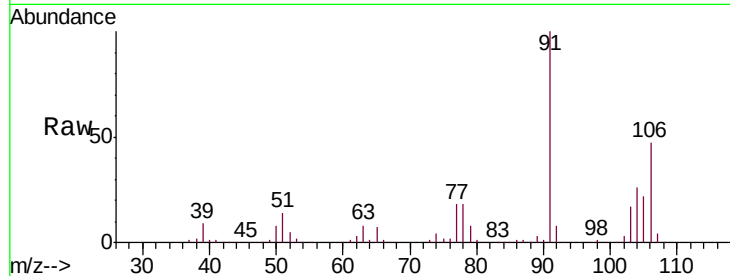
VSTD05077

Tgt Ion:106 Resp: 123322

Ion Ratio Lower Upper

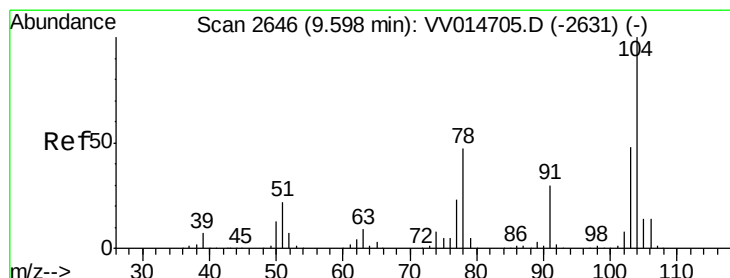
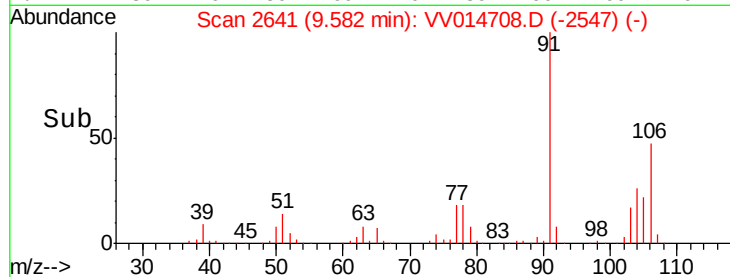
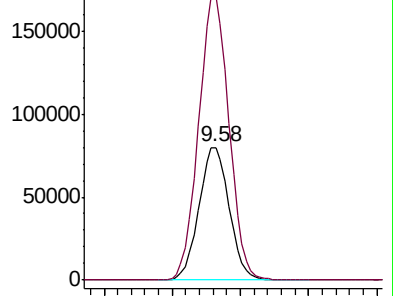
106 100

91 213.0 152.7 283.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.691 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014708.D

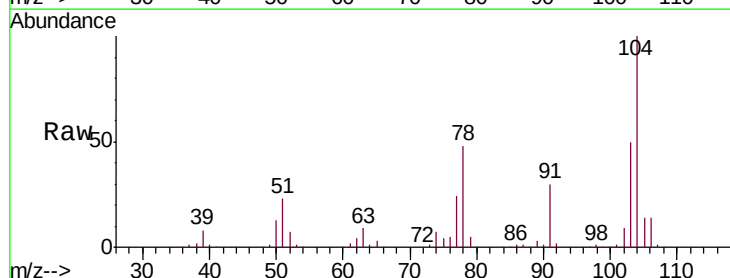
Acq: 25 Feb 2020 13:09

Tgt Ion:104 Resp: 207818

Ion Ratio Lower Upper

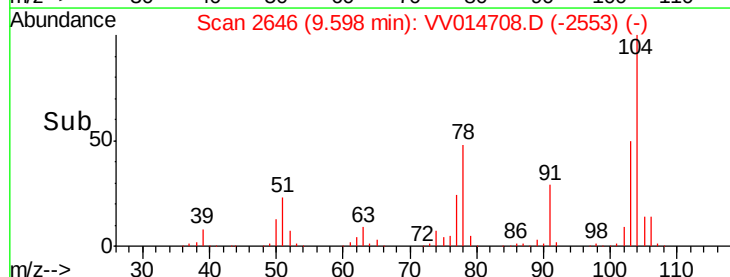
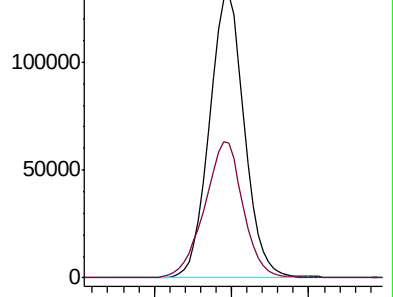
104 100

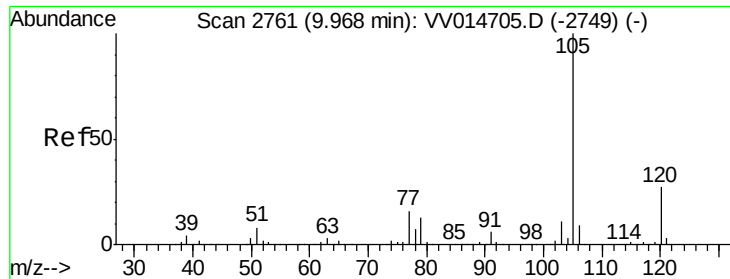
78 47.6 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.901 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

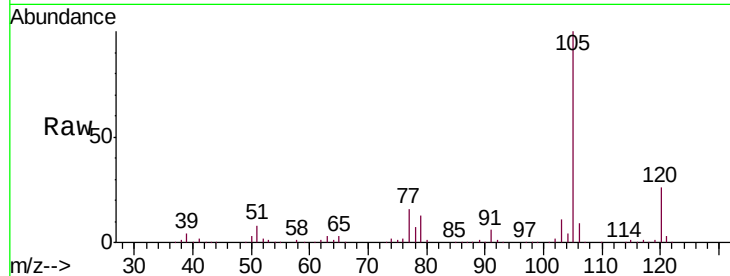
Tgt Ion: 105 Resp: 337521

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

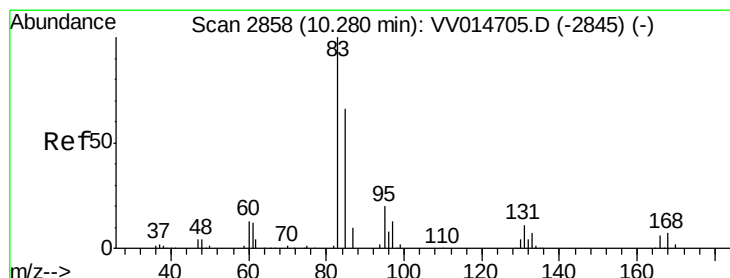
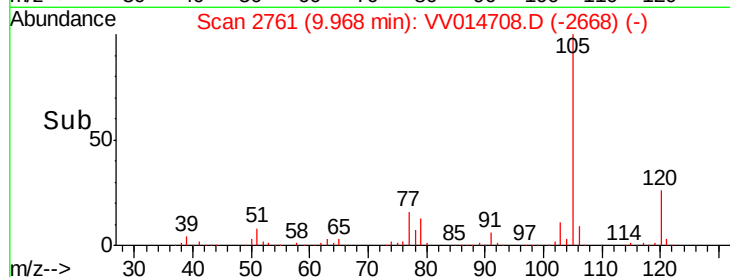
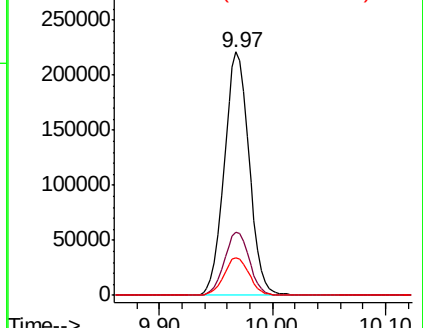
77 15.6 12.6 18.8



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: 48.501 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

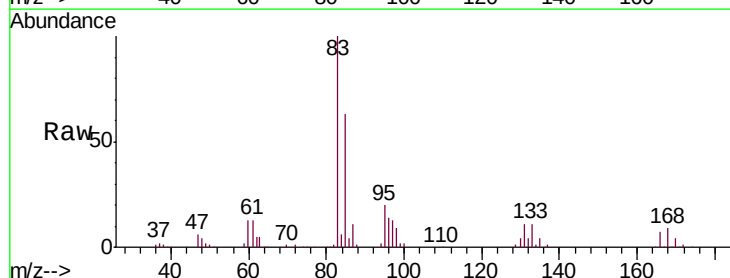
Tgt Ion: 83 Resp: 105178

Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9

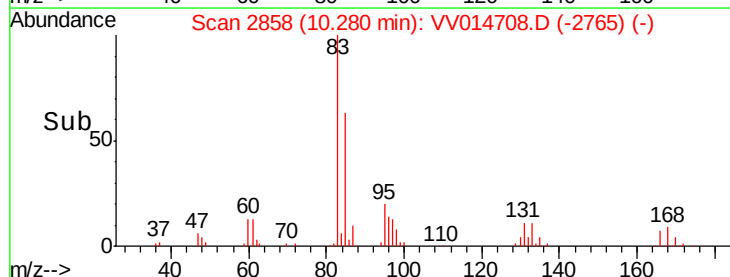
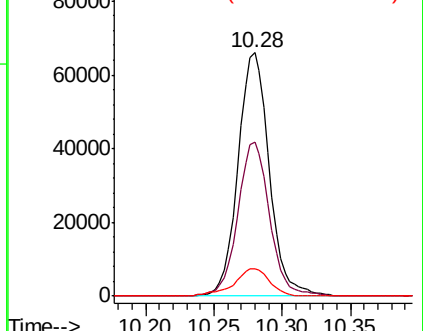
131 11.2 8.8 13.2

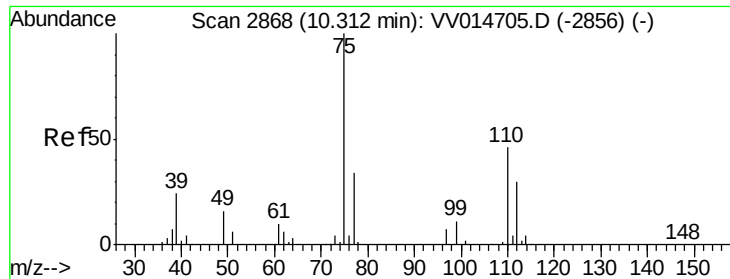


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

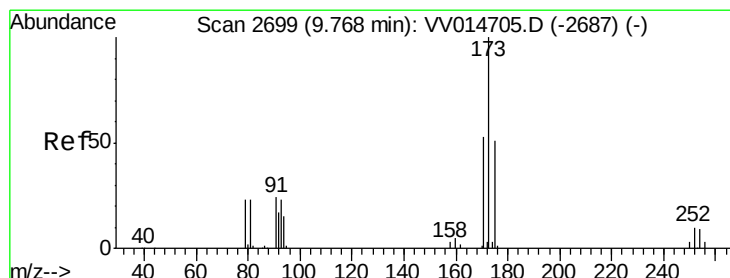
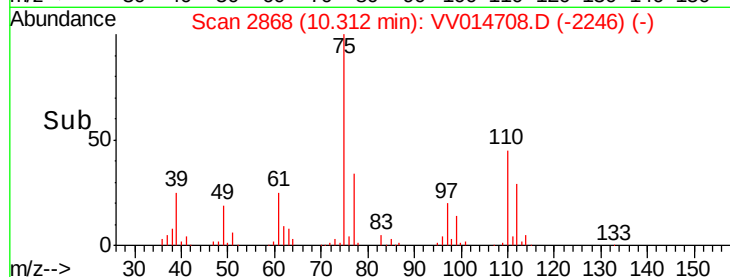
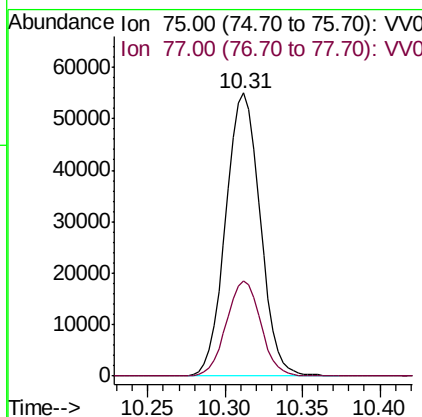
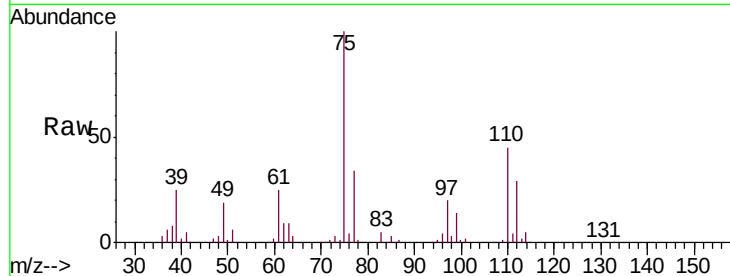




#59
 1,2,3-Trichloropropane
 Concen: 47.715 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

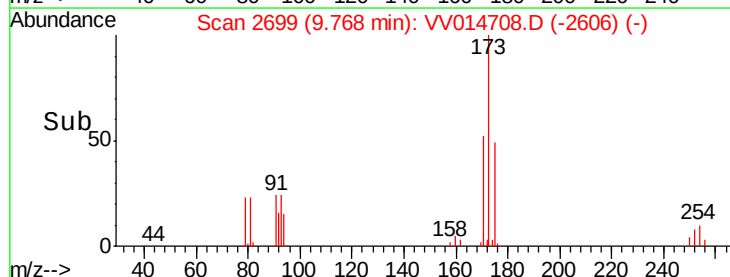
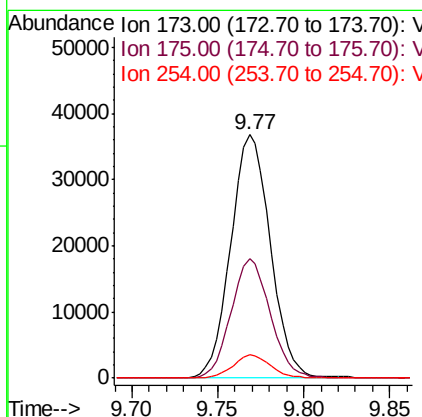
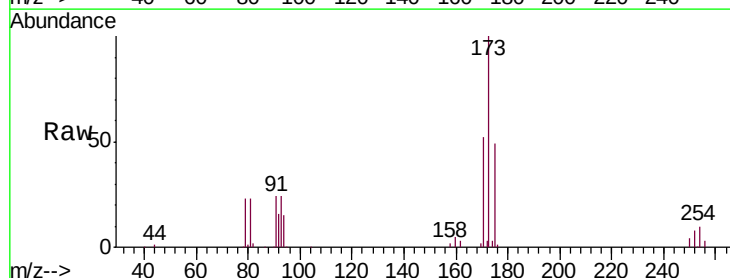
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

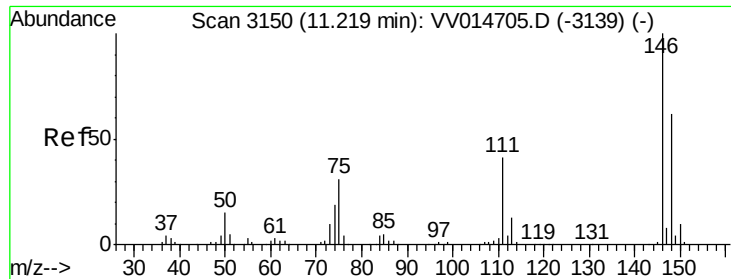
Tgt Ion: 75 Resp: 84951
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.7 38.5



#61
 Bromoform
 Concen: 49.987 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion: 173 Resp: 58815
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 9.0 6.7 10.1

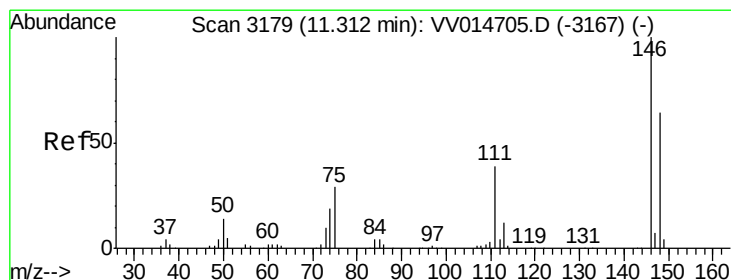
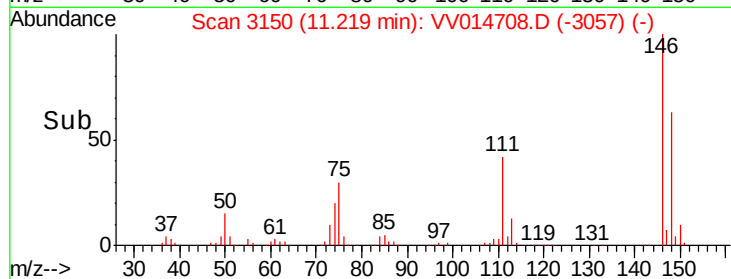
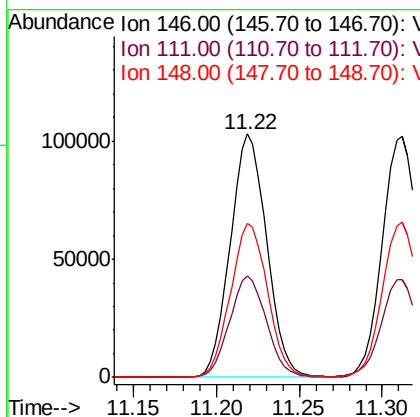
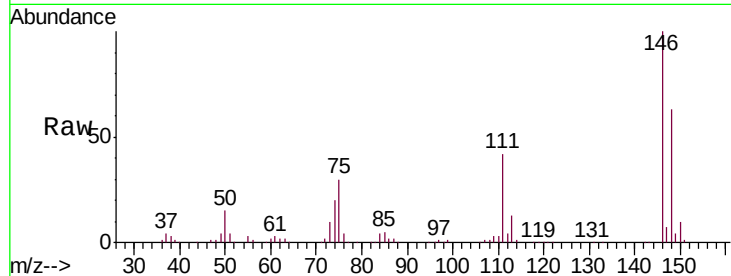




#62
 1,3-Dichlorobenzene
 Concen: 48.613 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

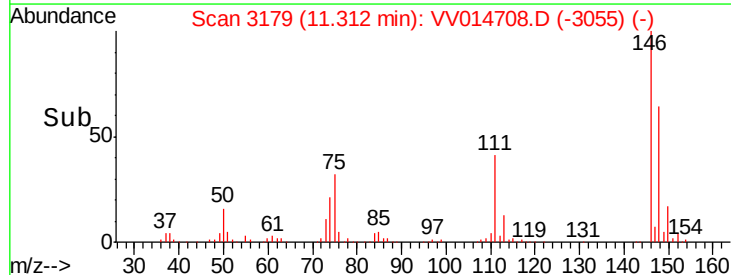
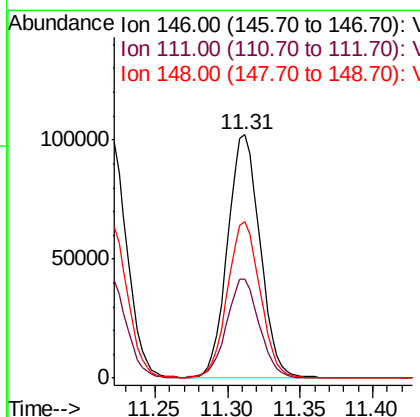
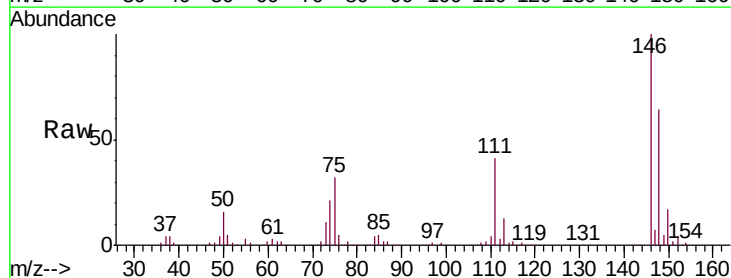
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

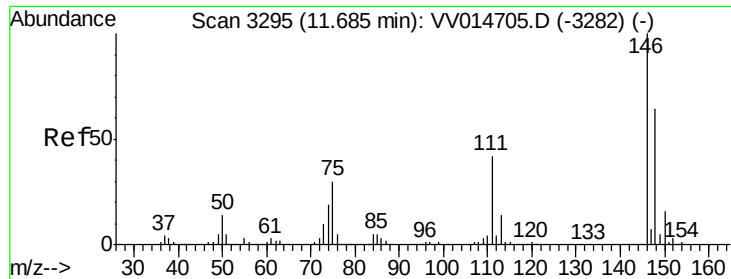
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.0	53.9
148	63.2	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 47.548 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	27.6	51.4
148	64.1	44.0	81.6

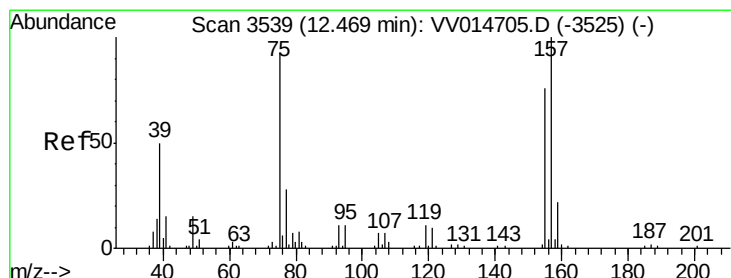
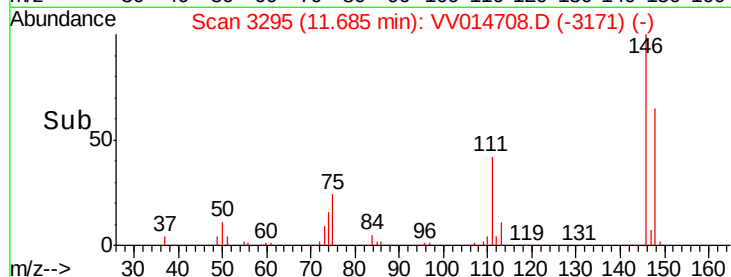
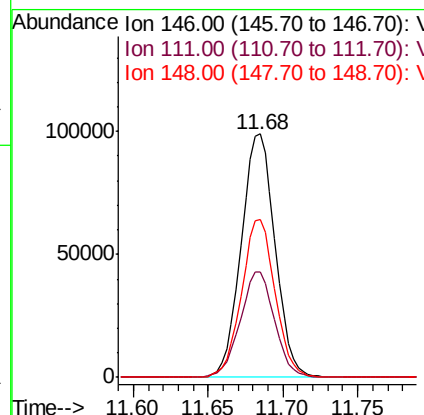
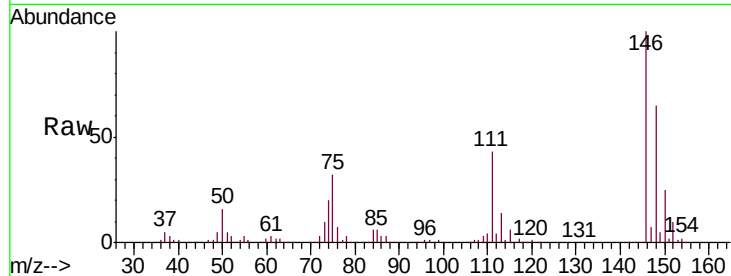




#65
 1,2-Dichlorobenzene
 Concen: 48.232 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

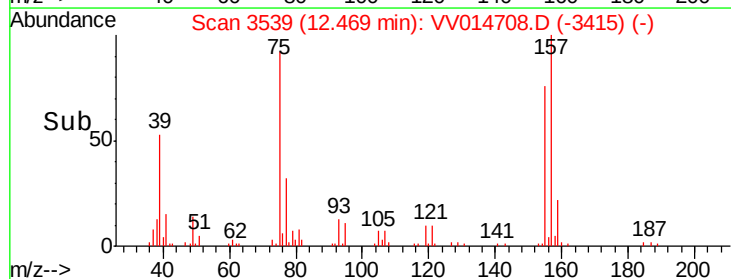
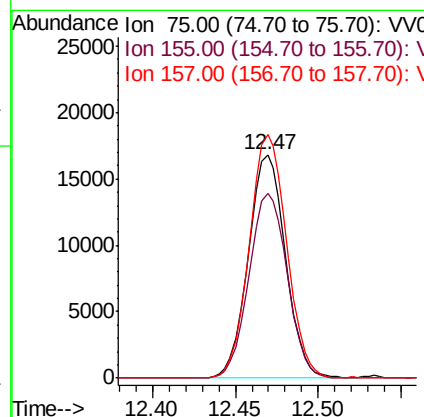
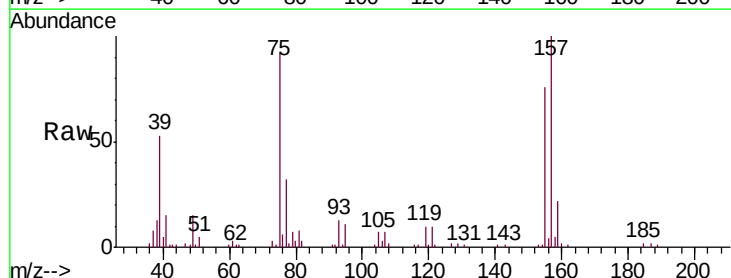
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

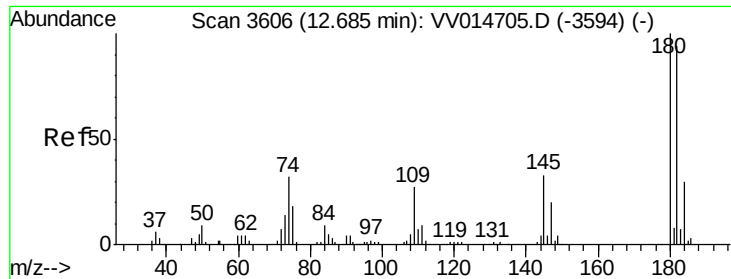
Tgt Ion: 146 Resp: 156061
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.4 51.6
 148 65.1 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.654 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion: 75 Resp: 26217
 Ion Ratio Lower Upper
 75 100
 155 82.7 62.6 93.8
 157 108.9 84.7 127.1

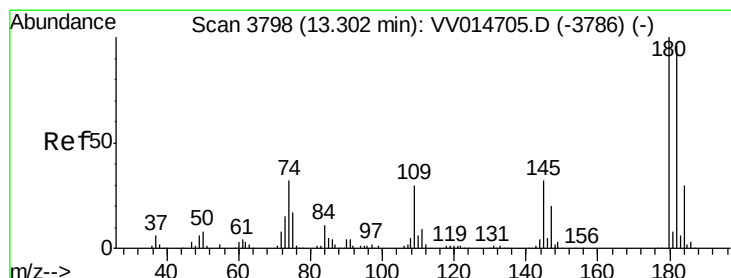
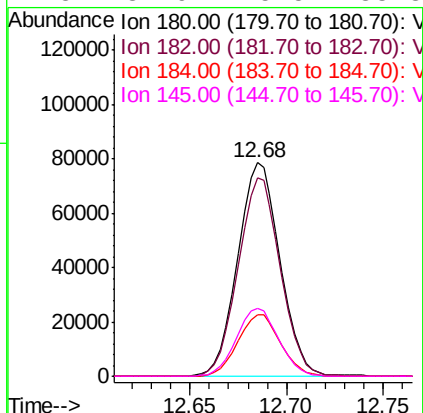
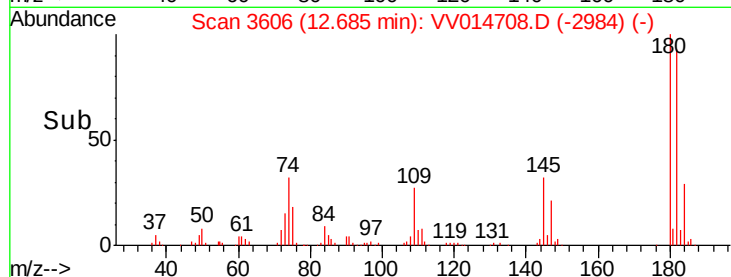
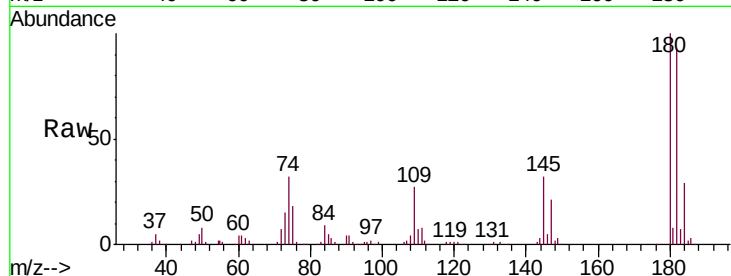




#67
 1,3,5-Trichlorobenzene
 Concen: 49.934 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

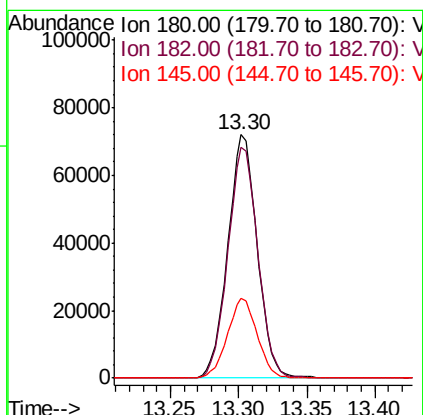
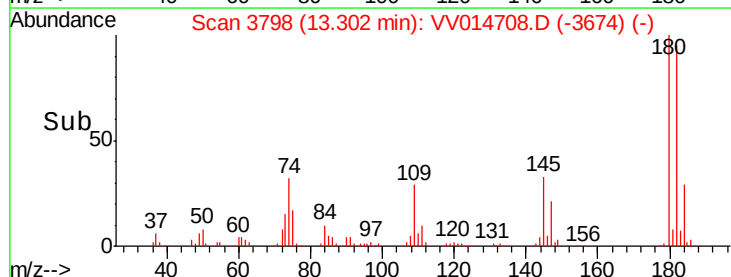
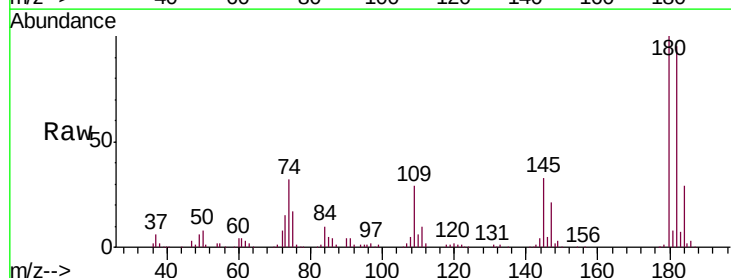
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

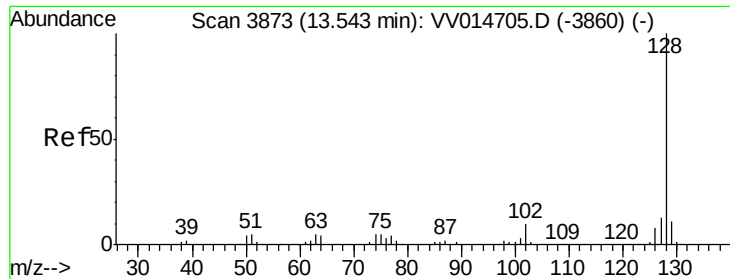
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	75.9	113.9
184	29.2	23.8	35.8
145	31.9	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 48.187 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014708.D
 Acq: 25 Feb 2020 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.3	112.9
145	33.1	25.9	38.9





#69

Naphthalene

Concen: 45.982 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

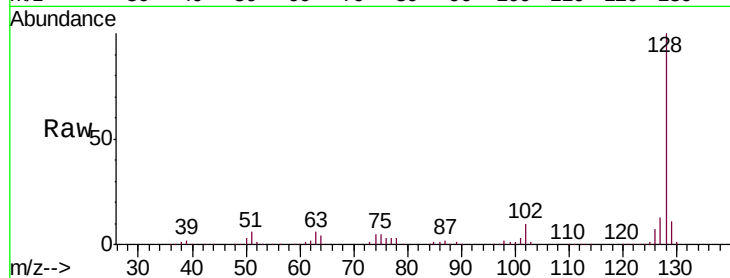
Tgt Ion:128 Resp: 345993

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

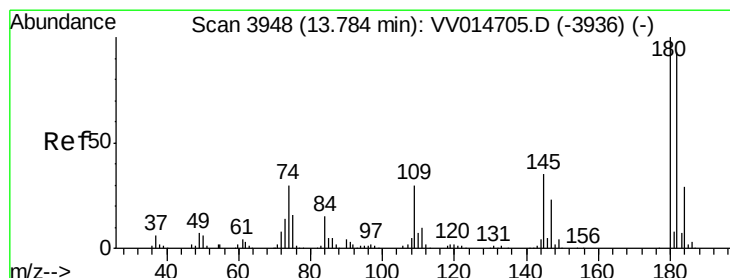
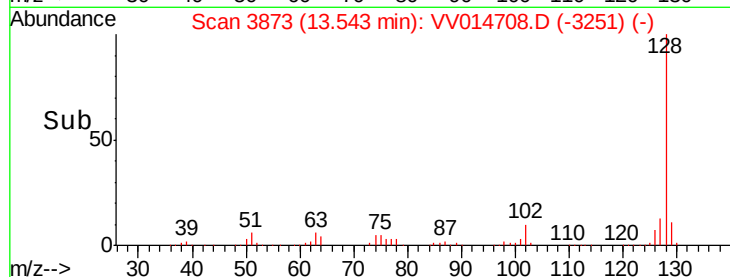
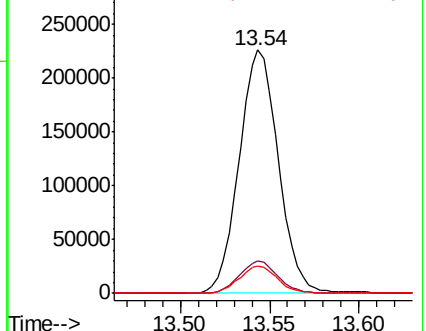
129 11.2 8.5 12.7



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: 47.886 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VV014708.D

Acq: 25 Feb 2020 13:09

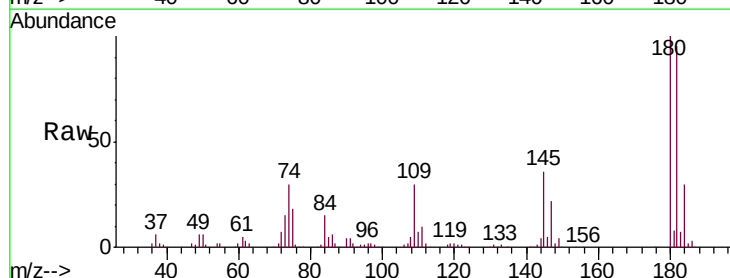
Tgt Ion:180 Resp: 110227

Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 35.6 28.2 42.2



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

