

Data File : VV014577.D
Acq On : 12 Feb 2020 17:15
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Quant Time: Feb 13 05:59:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 05:55:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	311092	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	146467	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55014	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.10%
7) Chloroethane-d5	1.58	69	39113	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.10%
11) 1,1-Dichloroethene-d2	2.13	63	94501	47.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.80%
21) 2-Butanone-d5	3.92	46	102124	103.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.40	84	174982	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	5.08	65	108210	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.10	84	348766	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.11	67	104624	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.34%
41) Toluene-d8	7.36	98	331288	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%
43) trans-1,3-Dichloropropene-	7.66	79	57363	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.13	63	82388	97.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	143081	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
64) 1,2-Dichlorobenzene-d4	11.67	152	125574	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	105575	47.821 ug/L	100
3) Chloromethane	1.26	50	85578	43.639 ug/L	98
5) Vinyl chloride	1.33	62	63987	45.911 ug/L	97
6) Bromomethane	1.53	94	33160	48.897 ug/L	100
8) Chloroethane	1.60	64	33036	47.195 ug/L	98
9) Trichlorofluoromethane	1.77	101	116242	48.280 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47421	46.202 ug/L	97
12) 1,1-Dichloroethene	2.14	96	46111	48.330 ug/L	91
13) Acetone	2.19	43	57838	68.049 ug/L	97
14) Carbon disulfide	2.32	76	218258	46.733 ug/L	99
15) Methyl Acetate	2.45	43	79607	48.868 ug/L	99
16) Methylene chloride	2.54	84	95640	47.958 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	91457	48.594 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	298712	49.494 ug/L	99
19) 1,1-Dichloroethane	3.23	63	161259	48.865 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	106099	48.761 ug/L	95
22) 2-Butanone	4.01	43	115830	90.892 ug/L	95

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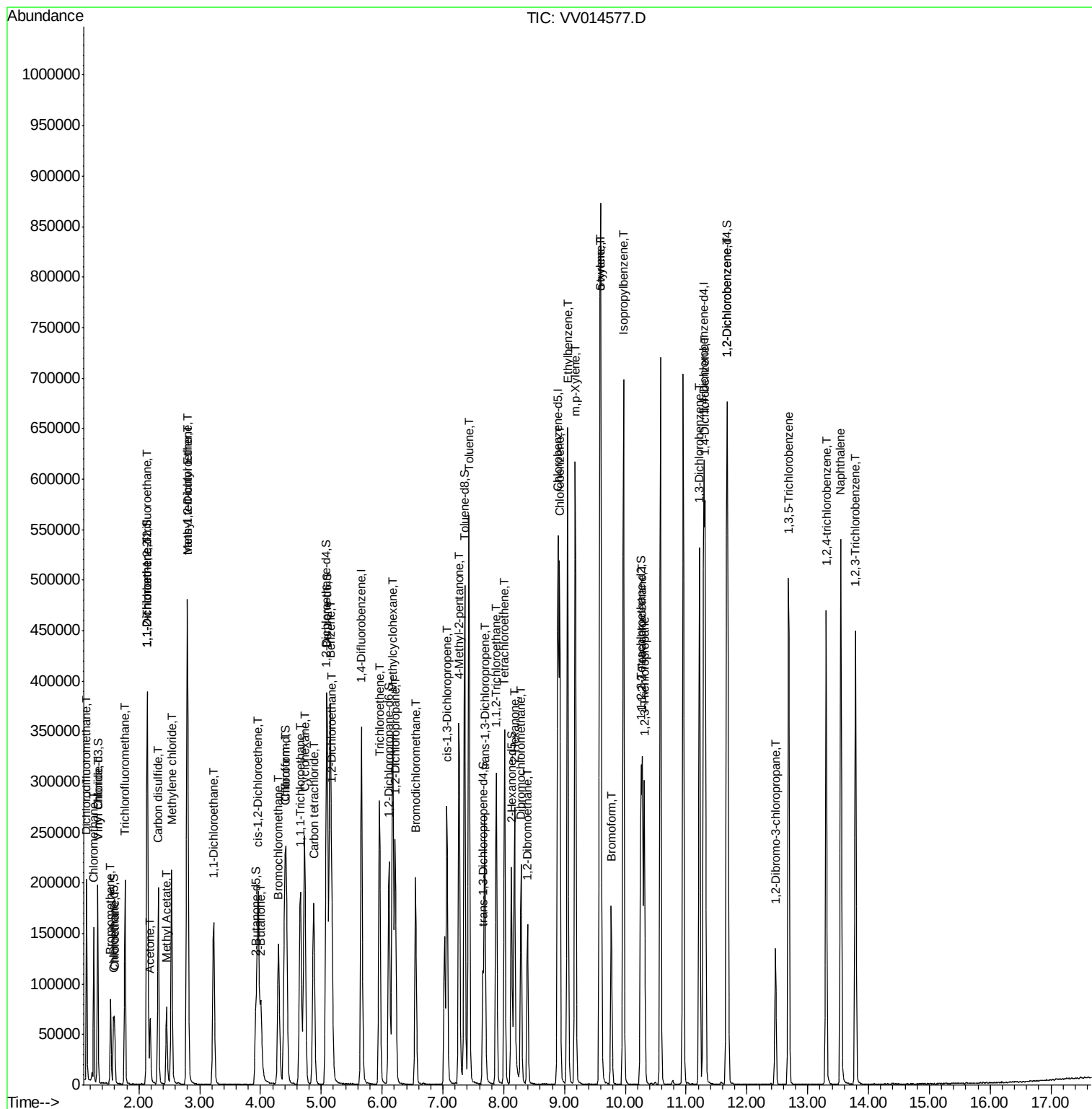
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	51882	49.228	ug/L	97
25) Chloroform	4.42	83	177804	48.695	ug/L	100
27) 1,2-Dichloroethane	5.17	62	131609	48.888	ug/L	99
29) Cyclohexane	4.73	56	140238	47.903	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	156542	49.206	ug/L	99
31) Carbon tetrachloride	4.87	117	135708	47.241	ug/L	99
33) Benzene	5.14	78	373807	48.685	ug/L	100
34) Trichloroethene	5.96	95	100452	48.482	ug/L	99
35) Methylcyclohexane	6.17	83	153434	47.297	ug/L	98
37) 1,2-Dichloropropane	6.22	63	92132	48.595	ug/L	100
38) Bromodichloromethane	6.55	83	134329	48.319	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	161924	48.379	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	222894	95.177	ug/L	100
42) Toluene	7.43	91	408256	48.760	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	149042	49.308	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	95775	48.904	ug/L	99
46) Tetrachloroethene	8.02	164	78074	47.919	ug/L	98
48) 2-Hexanone	8.18	43	165201	90.479	ug/L	98
49) Dibromochloromethane	8.28	129	113763	48.740	ug/L	98
50) 1,2-Dibromoethane	8.39	107	104093	49.123	ug/L	99
51) Chlorobenzene	8.92	112	271011	48.415	ug/L	99
52) Ethylbenzene	9.05	91	461217	48.562	ug/L	100
53) m,p-Xylene	9.18	106	175860	47.428	ug/L	99
54) o-xylene	9.58	106	173190	48.867	ug/L	99
55) Styrene	9.60	104	296451	48.679	ug/L	99
56) Isopropylbenzene	9.97	105	455349	48.302	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	149690	48.382	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	120551	49.409	ug/L	99
61) Bromoform	9.77	173	77857	49.113	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	213642	48.231	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	217120	48.089	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	209945	48.250	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	33742	47.603	ug/L	93
67) 1,3,5-Trichlorobenzene	12.68	180	150877	47.364	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	136599	46.306	ug/L	100
69) Naphthalene	13.54	128	435314	46.538	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	133065	46.791	ug/L	98

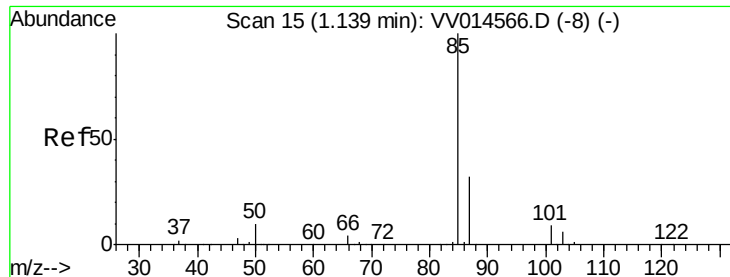
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.821 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

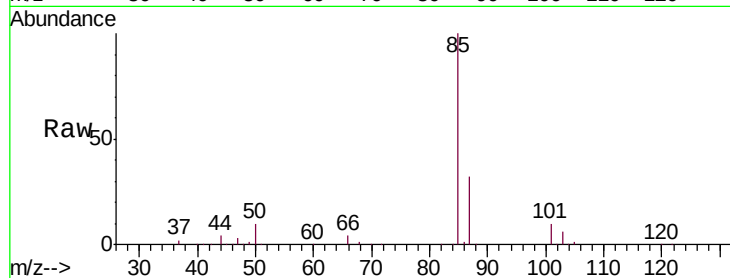
VSTD05097

Tgt Ion: 85 Resp: 105575

Ion Ratio Lower Upper

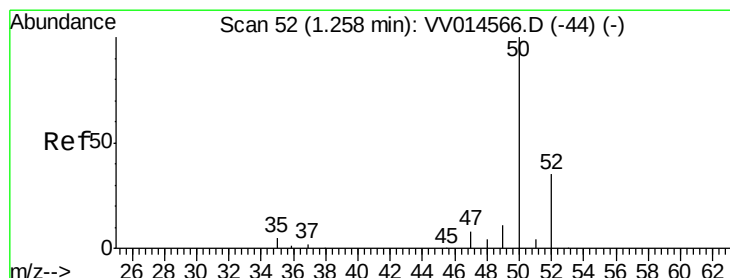
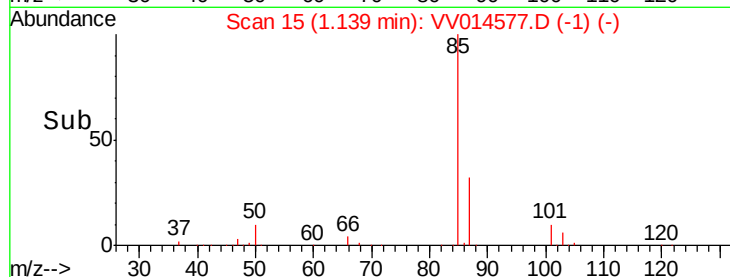
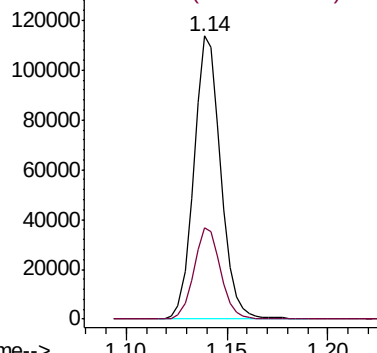
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 43.639 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014577.D

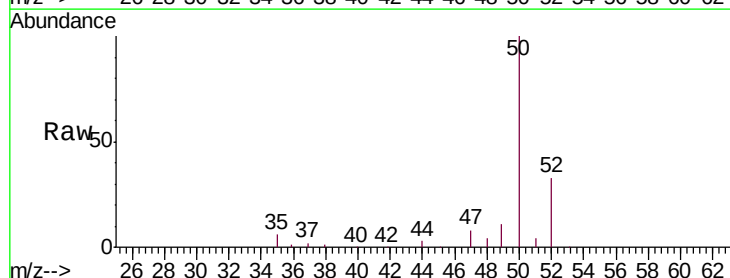
Acq: 12 Feb 2020 17:15

Tgt Ion: 50 Resp: 85578

Ion Ratio Lower Upper

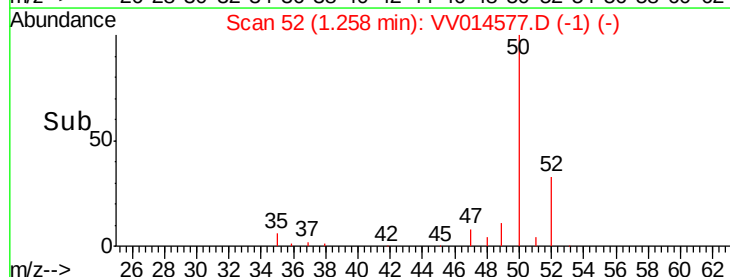
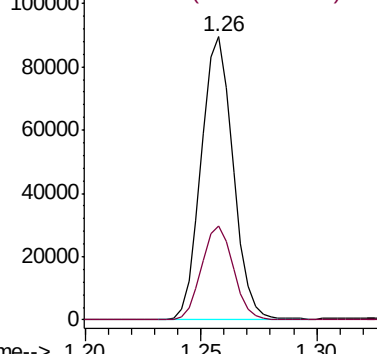
50 100

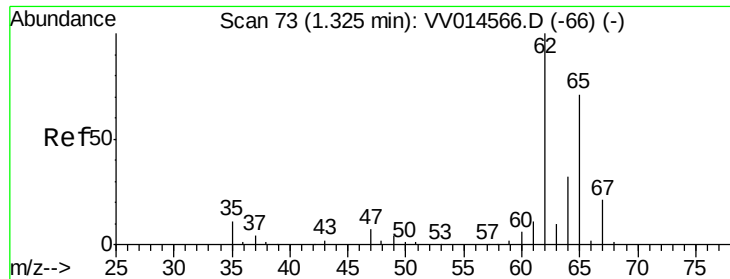
52 33.4 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.911 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

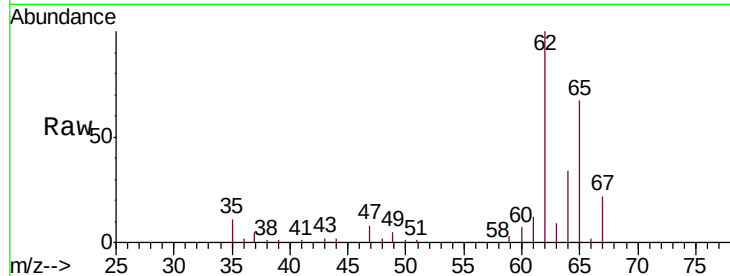
VSTD05097

Tgt Ion: 62 Resp: 63987

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV014566.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV014566.D (-66) (-)

1.33

60000

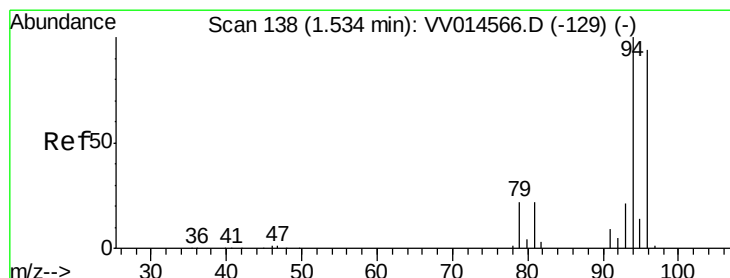
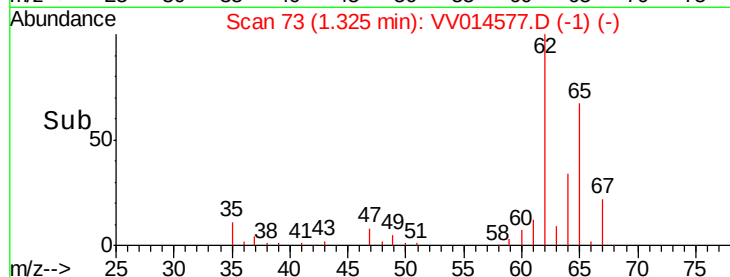
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 48.897 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014577.D

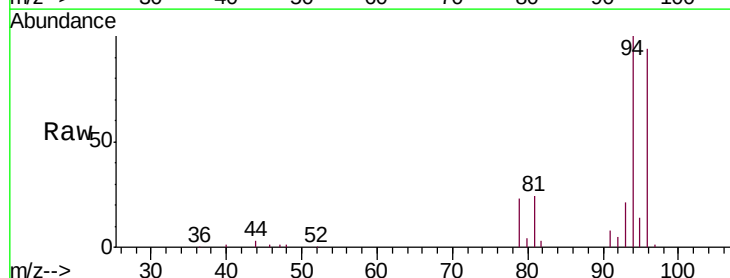
Acq: 12 Feb 2020 17:15

Tgt Ion: 94 Resp: 33160

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV014566.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014566.D (-129) (-)

1.53

30000

25000

20000

15000

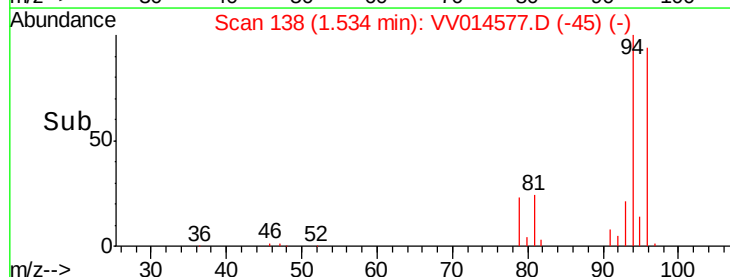
10000

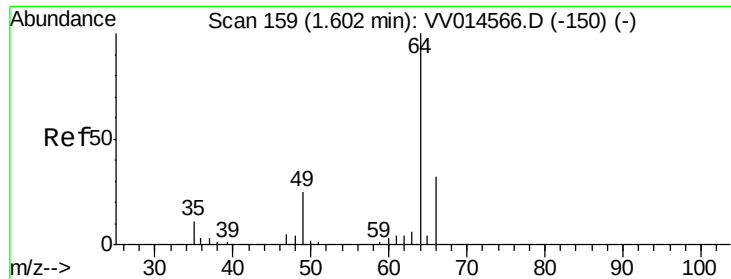
5000

0

1.50 1.55

Time-->

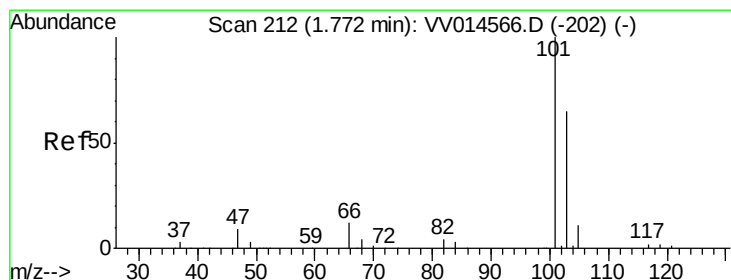
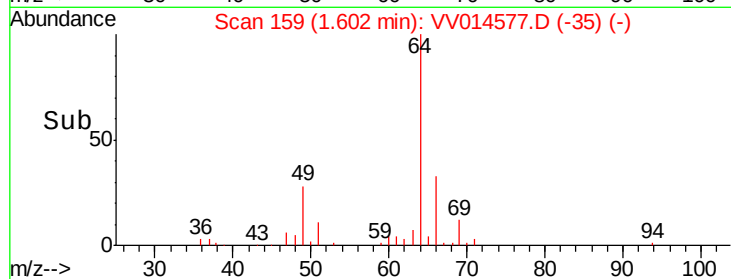
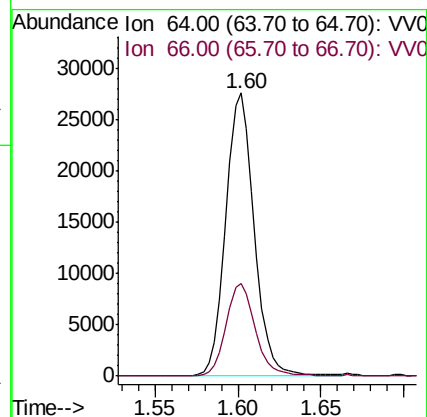
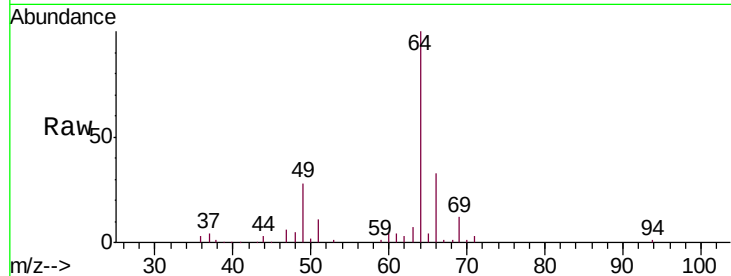




#8
Chloroethane
Concen: 47.195 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

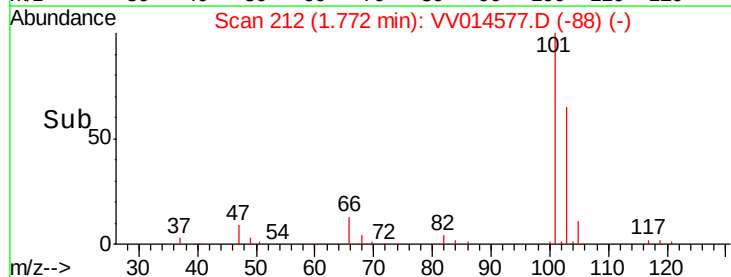
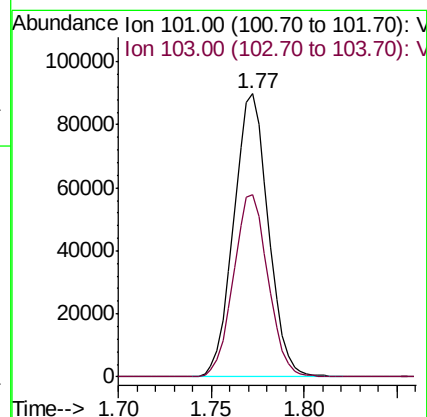
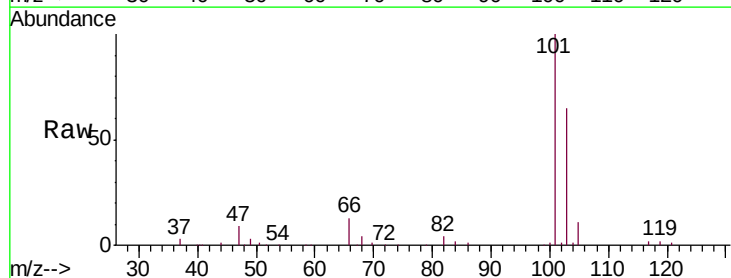
Instrument :
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VSTD05097

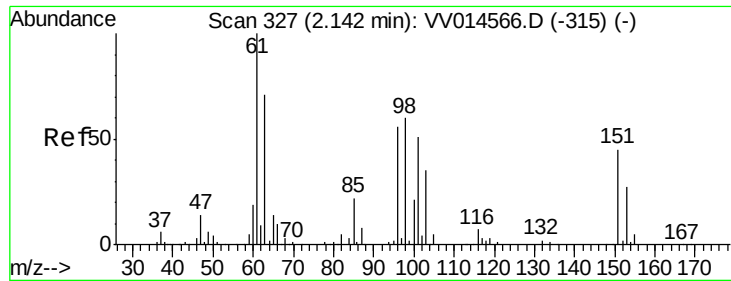
Tgt Ion: 64 Resp: 33036
Ion Ratio Lower Upper
64 100
66 32.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 48.280 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion: 101 Resp: 116242
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2





#10

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

Concen: 46.202 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

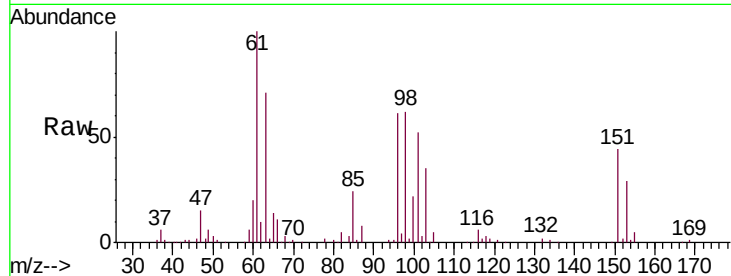
Tgt Ion:101 Resp: 47421

Ion Ratio Lower Upper

101 100

85 45.9 35.4 53.0

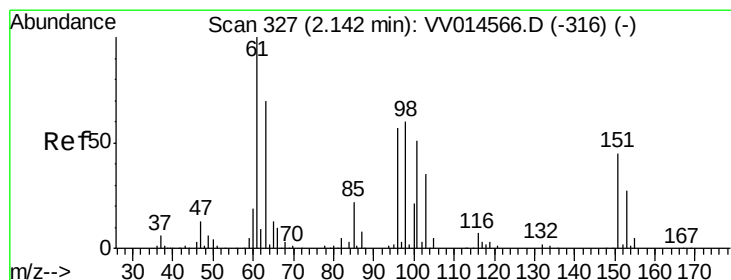
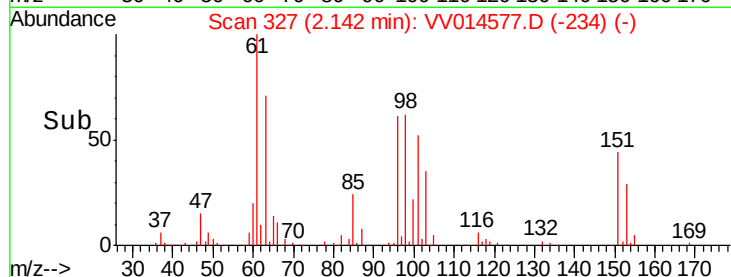
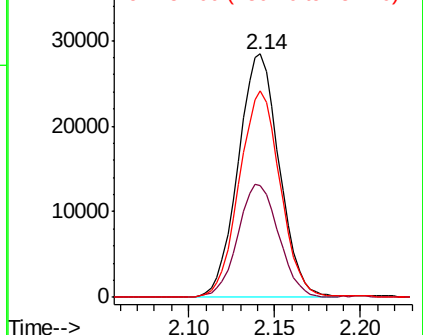
151 84.2 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.330 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

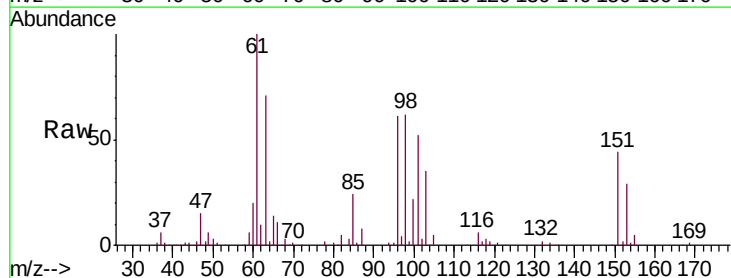
Tgt Ion: 96 Resp: 46111

Ion Ratio Lower Upper

96 100

61 164.9 124.2 230.6

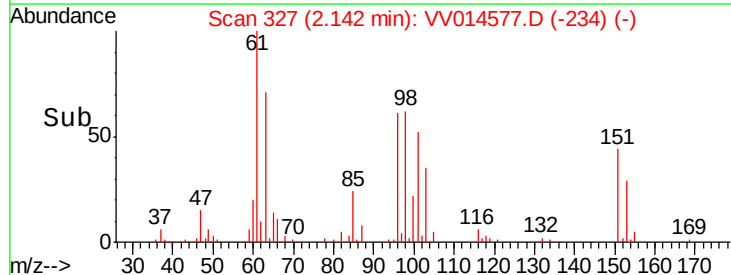
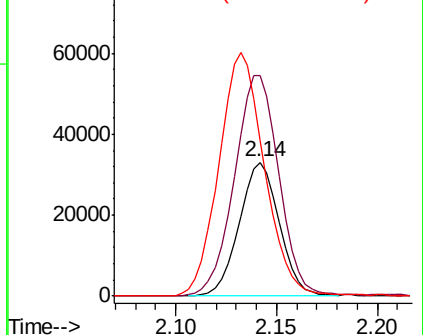
63 116.5 89.2 165.8

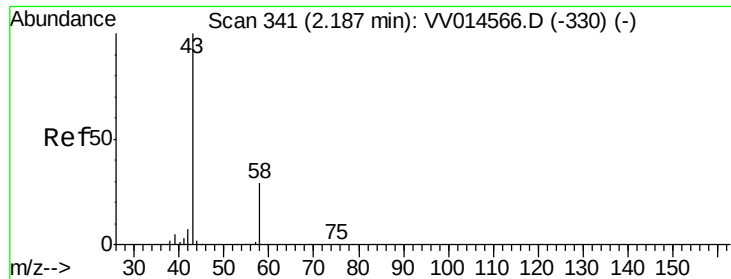


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 68.049 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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ClientSampleId :

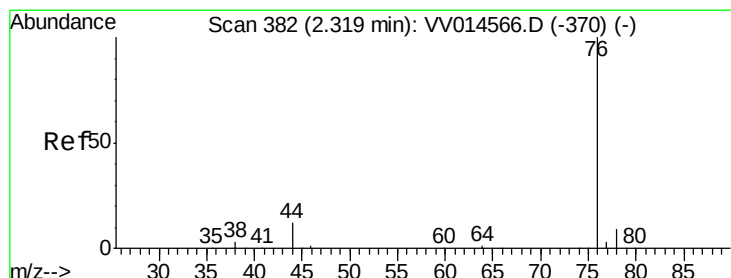
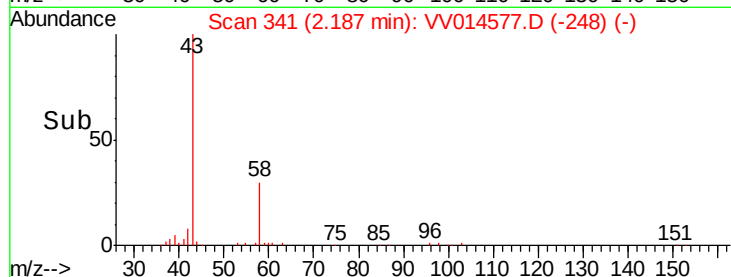
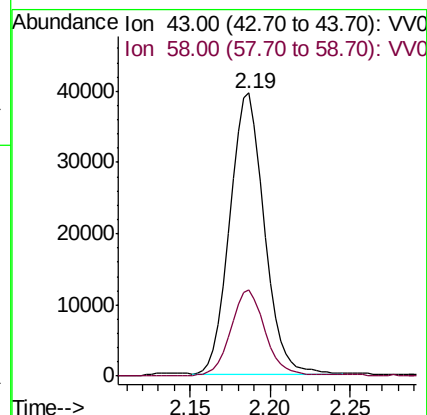
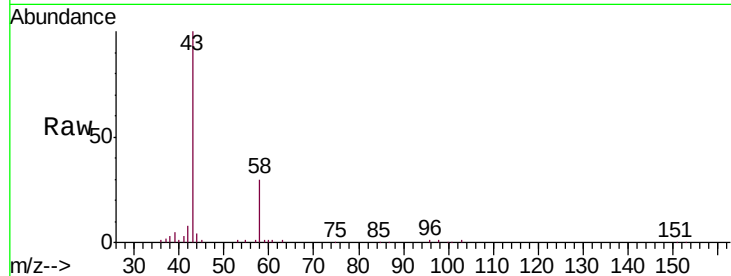
VSTD05097

Tgt Ion: 43 Resp: 57838

Ion Ratio Lower Upper

43 100

58 30.8 0.0 58.8



#14

Carbon disulfide

Concen: 46.733 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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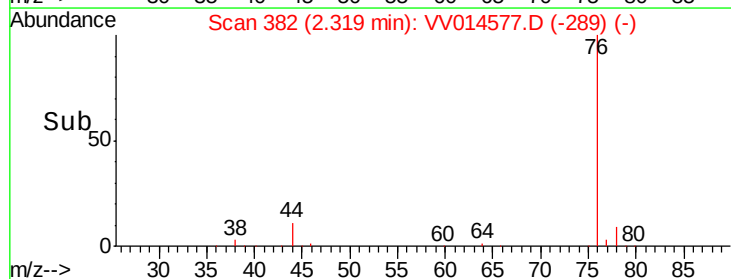
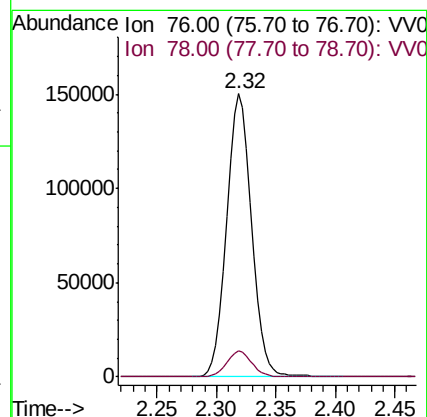
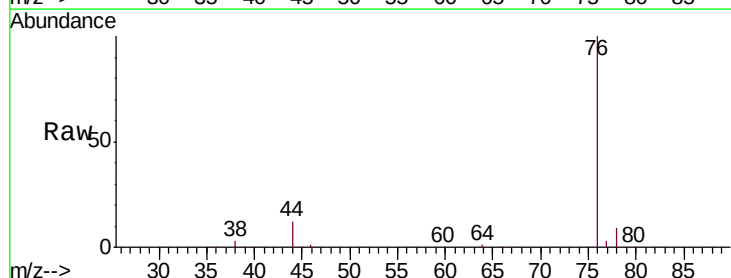
Acq: 12 Feb 2020 17:15

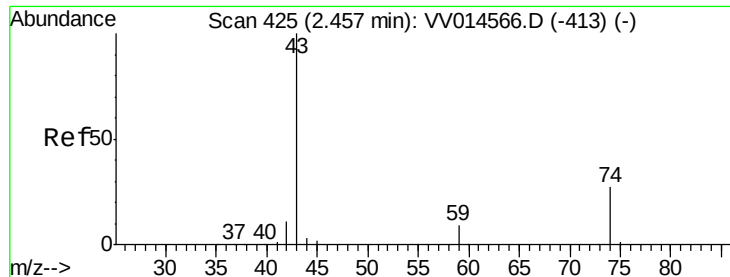
Tgt Ion: 76 Resp: 218258

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 48.868 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampled :

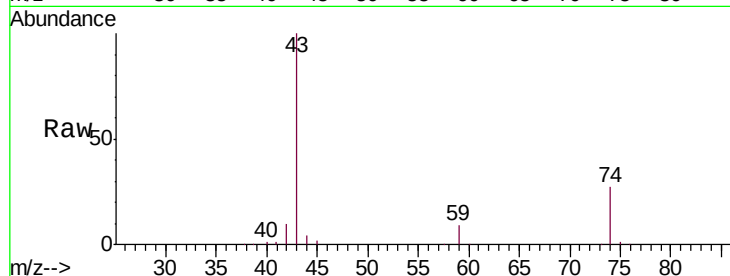
VSTD05097

Tgt Ion: 43 Resp: 79607

Ion Ratio Lower Upper

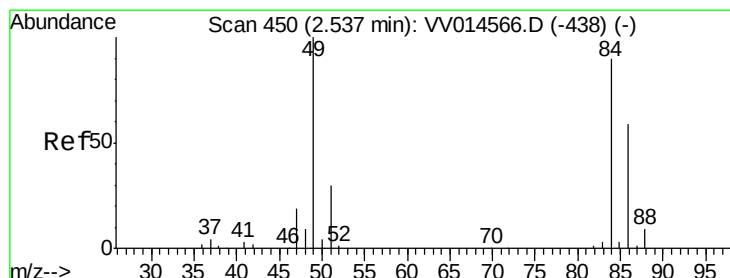
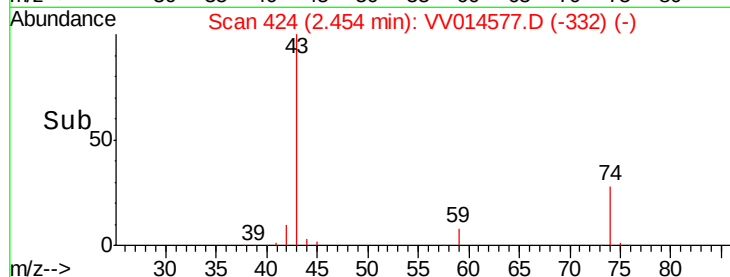
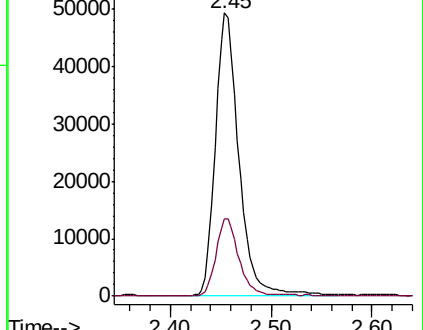
43 100

74 26.4 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV014566.D (-413) (-)



#16

Methylene chloride

Concen: 47.958 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

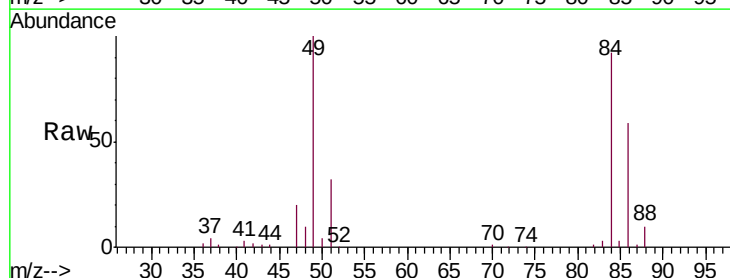
Tgt Ion: 84 Resp: 95640

Ion Ratio Lower Upper

84 100

86 64.3 46.3 86.1

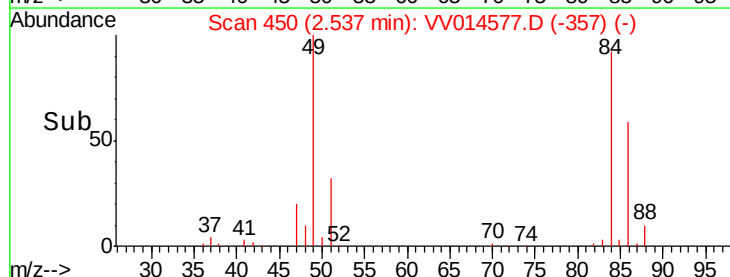
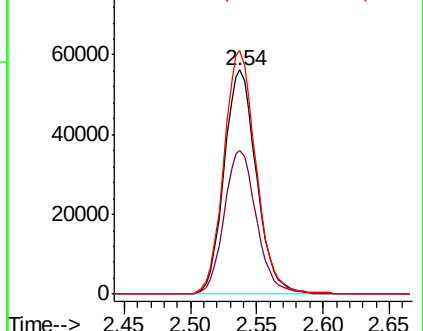
49 108.5 78.1 145.1

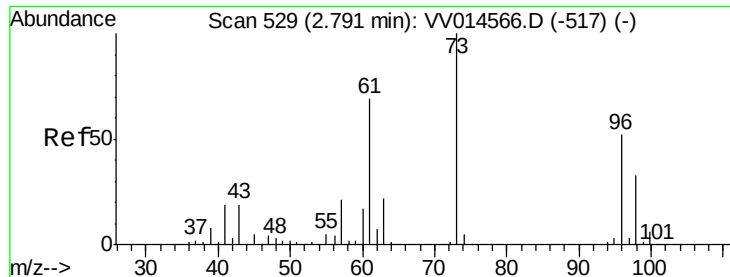


Abundance Ion 84.00 (83.70 to 84.70): VV014566.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV014566.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-438) (-)





#17

trans-1,2-Dichloroethene

Concen: 48.594 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05097

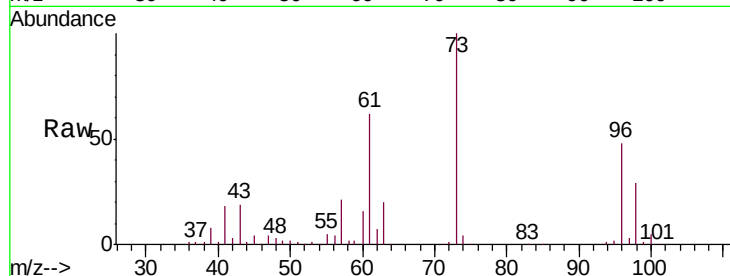
Tgt Ion: 96 Resp: 91457

Ion Ratio Lower Upper

96 100

61 129.9 93.0 172.6

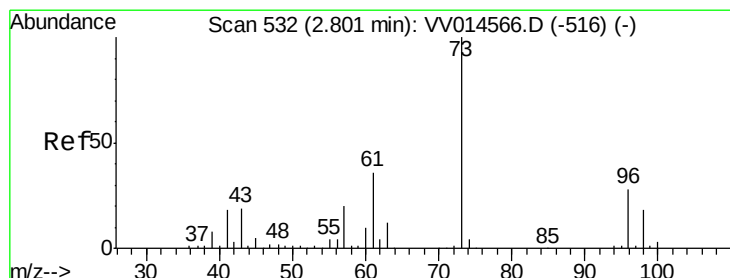
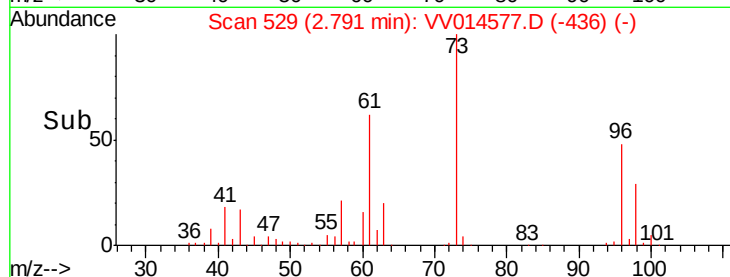
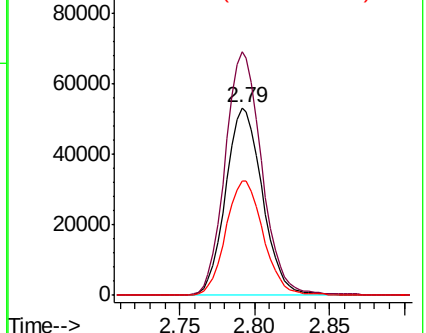
98 60.9 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.494 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

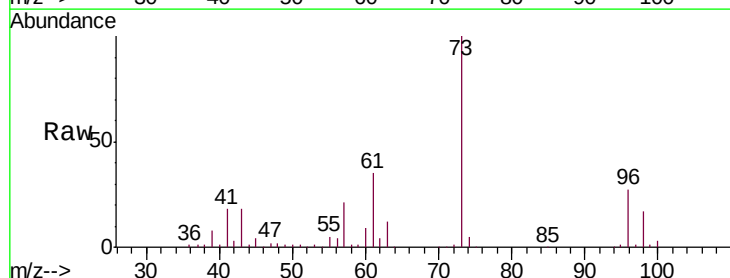
Tgt Ion: 73 Resp: 298712

Ion Ratio Lower Upper

73 100

43 18.6 15.1 22.7

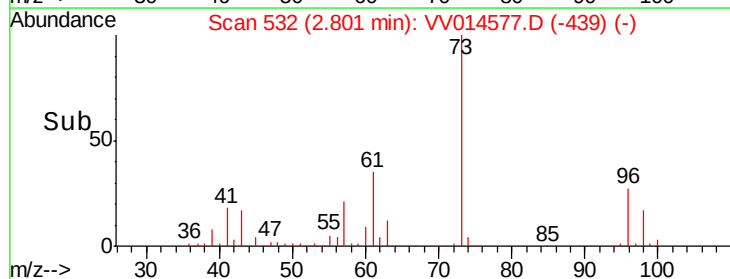
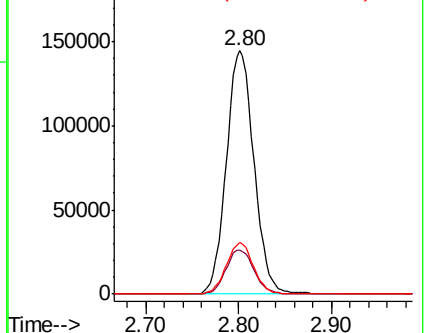
57 20.8 16.2 24.4

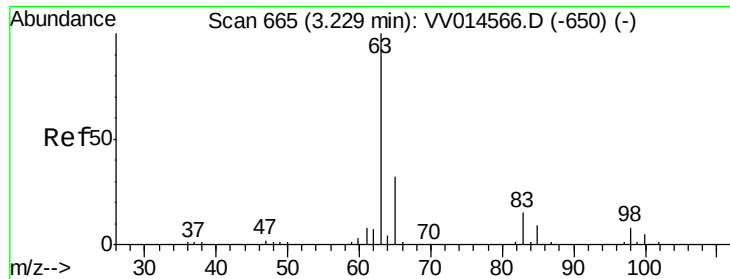


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

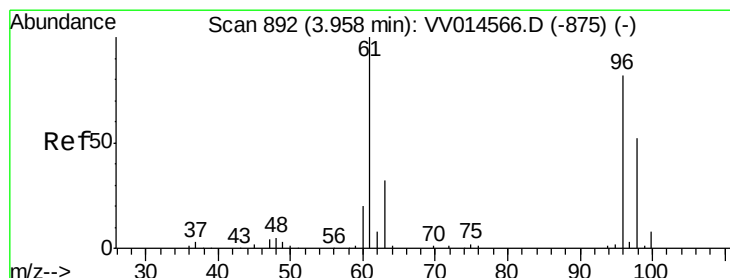
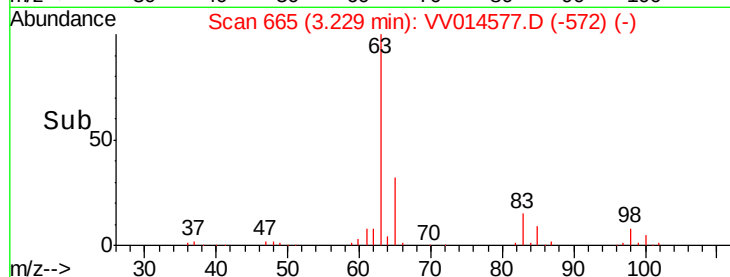
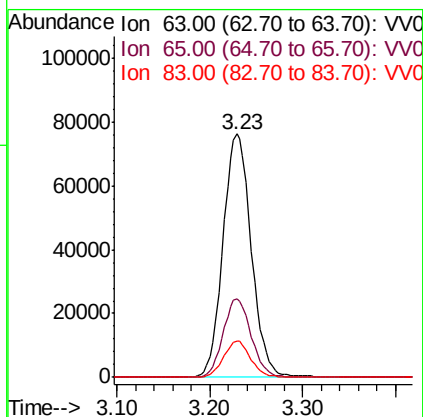
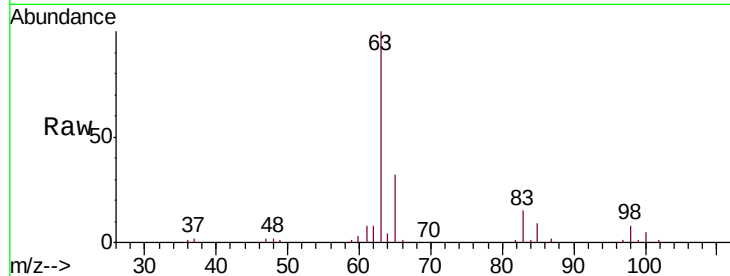




#19
 1,1-Dichloroethane
 Concen: 48.865 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

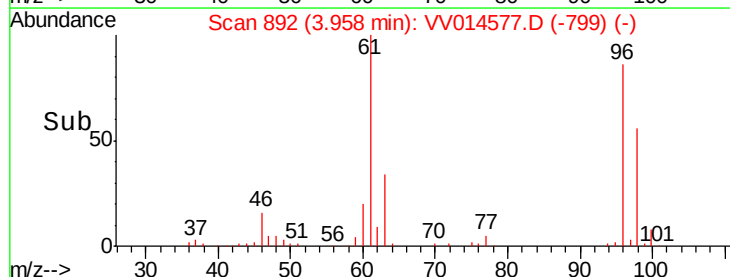
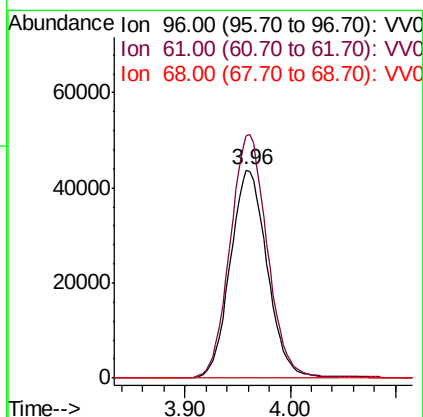
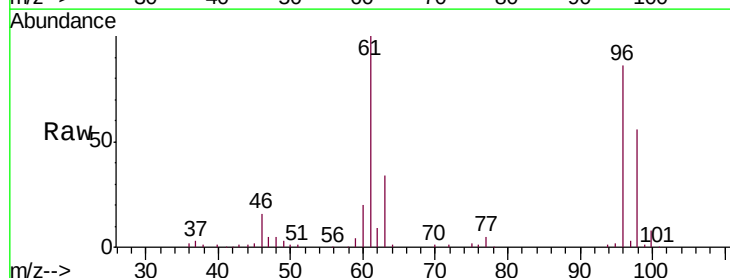
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

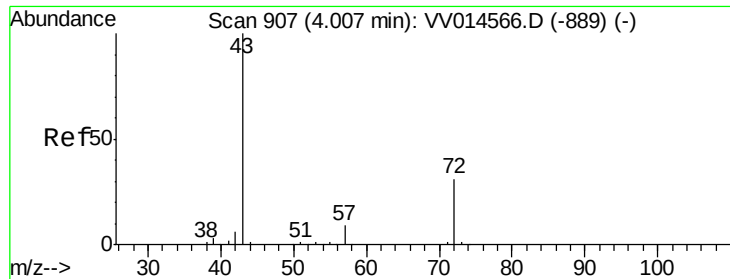
Tgt Ion: 63 Resp: 161259
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.2 41.2
 83 15.1 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.761 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Tgt Ion: 96 Resp: 106099
 Ion Ratio Lower Upper
 96 100
 61 116.5 85.9 159.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.892 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

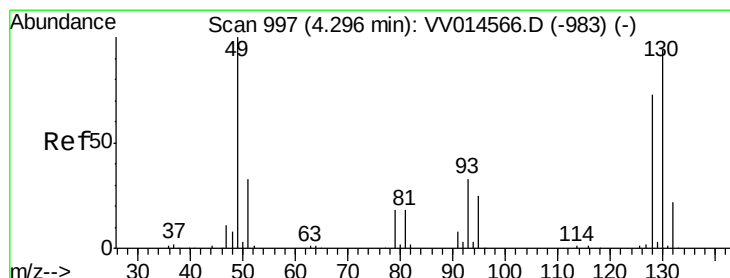
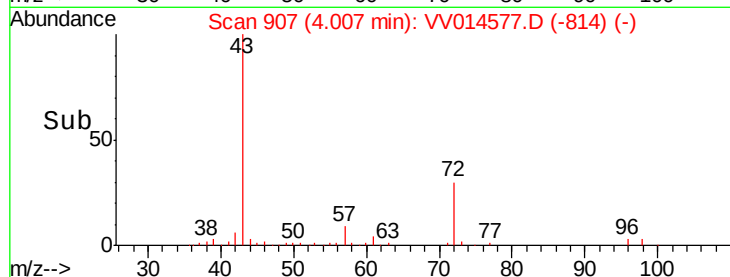
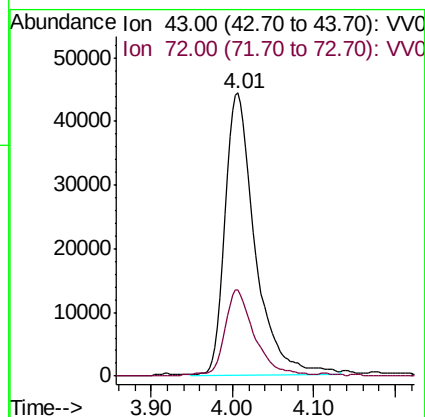
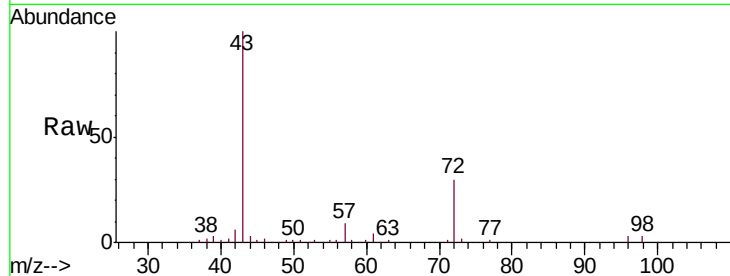
VSTD05097

Tgt Ion: 43 Resp: 115830

Ion Ratio Lower Upper

43 100

72 29.1 15.9 47.7



#23

Bromochloromethane

Concen: 49.228 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Tgt Ion:128 Resp: 51882

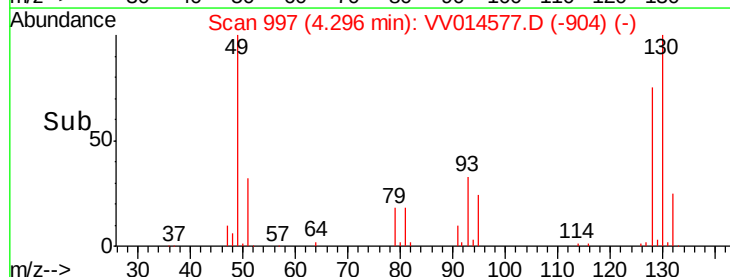
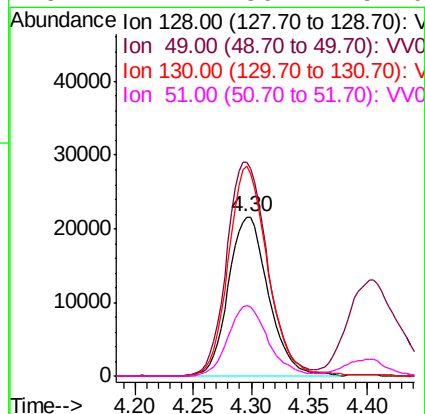
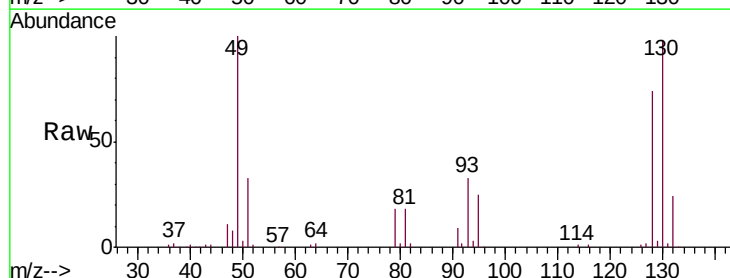
Ion Ratio Lower Upper

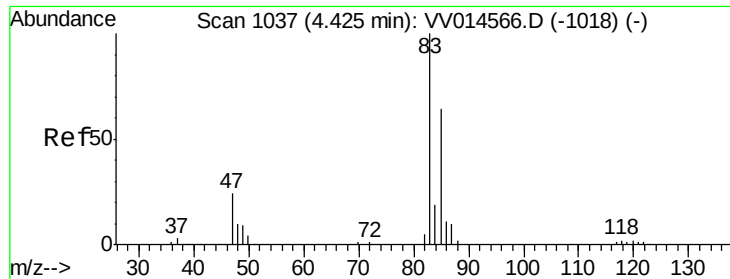
128 100

49 134.4 97.1 180.3

130 132.3 90.7 168.5

51 44.1 36.4 54.6

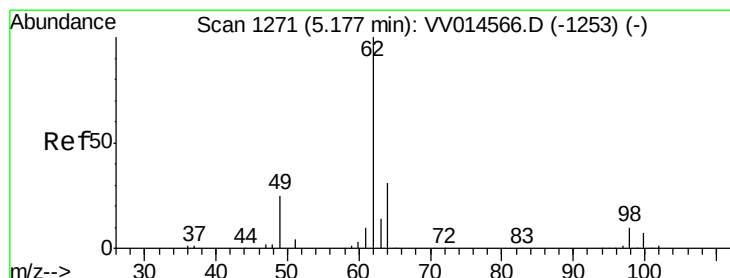
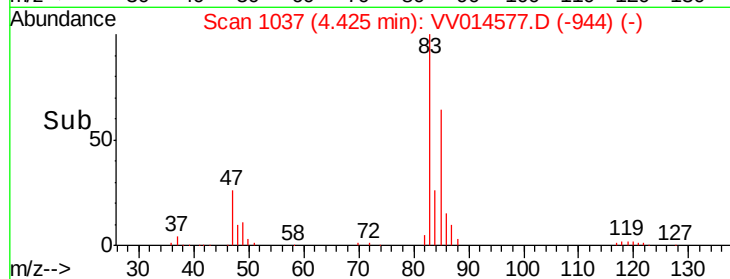
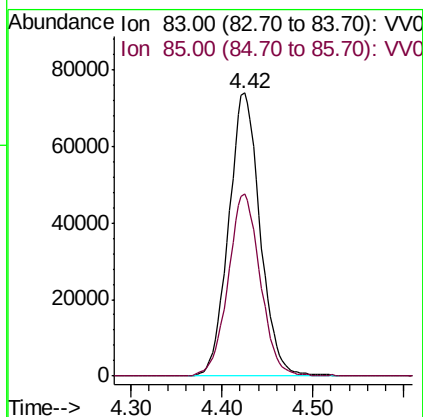
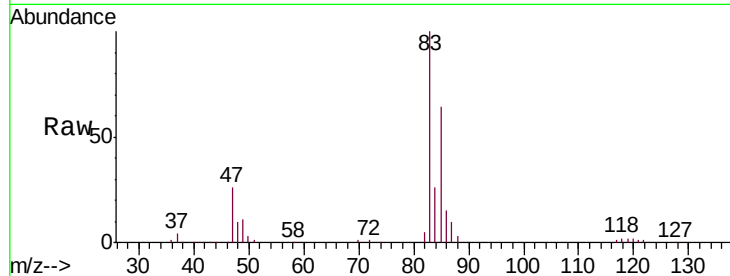




#25
Chloroform
Concen: 48.695 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

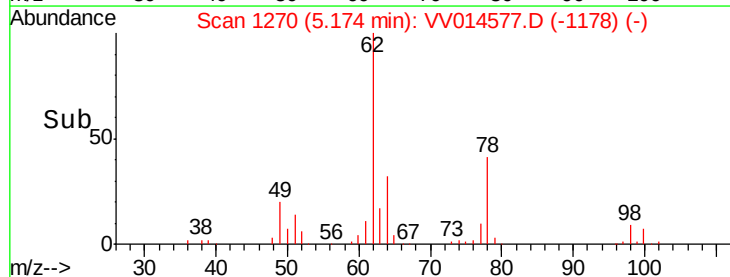
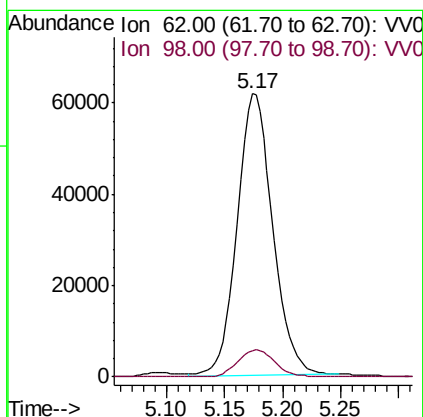
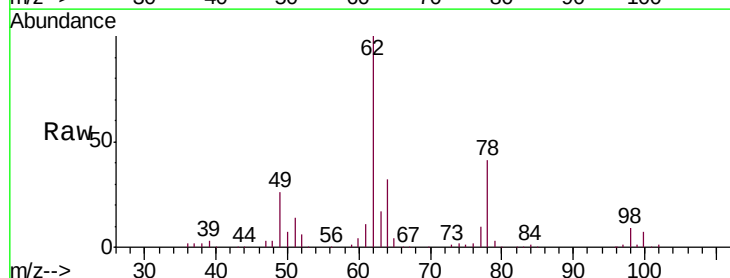
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

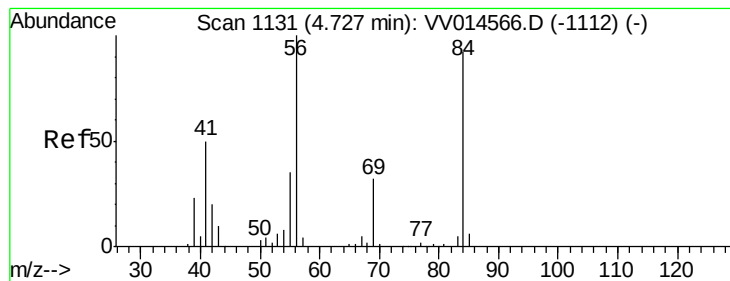
Tgt Ion: 83 Resp: 177804
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.888 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion: 62 Resp: 131609
Ion Ratio Lower Upper
62 100
98 9.4 7.9 11.9





#29

Cyclohexane

Concen: 47.903 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05097

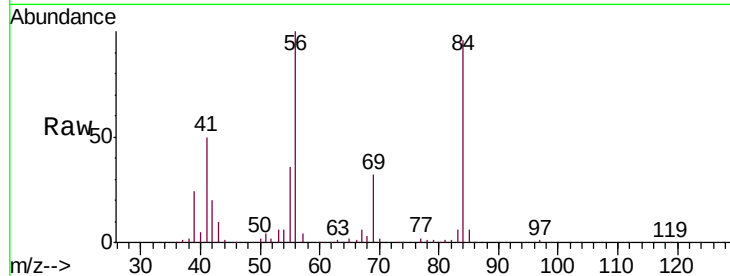
Tgt Ion: 56 Resp: 140238

Ion Ratio Lower Upper

56 100

69 32.4 26.5 39.7

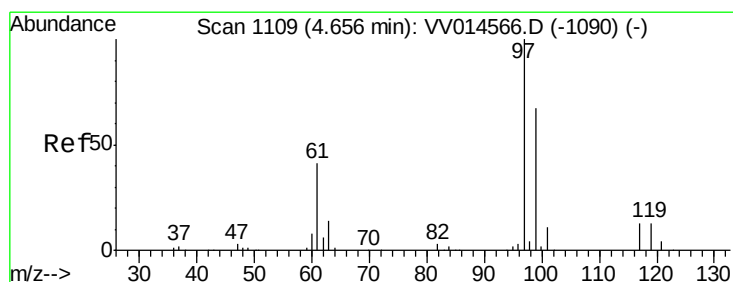
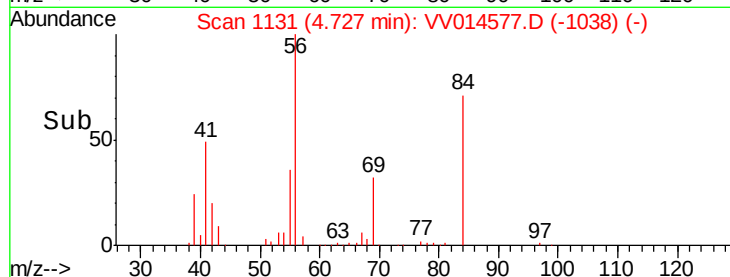
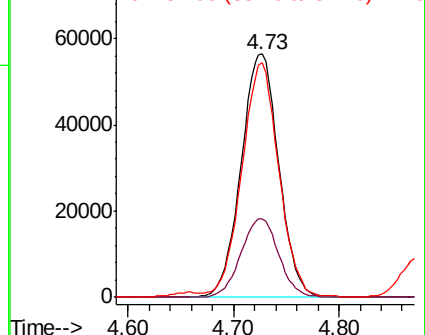
84 95.0 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 49.206 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

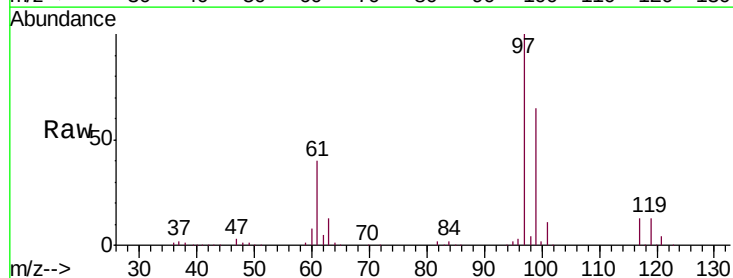
Tgt Ion: 97 Resp: 156542

Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

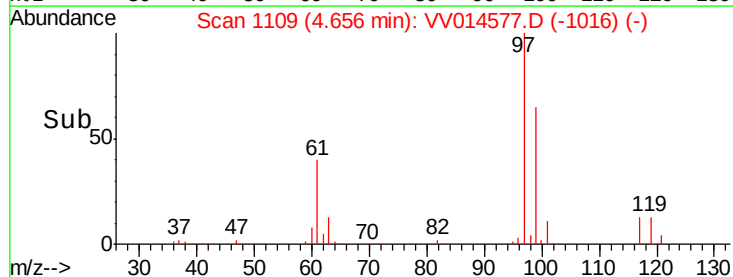
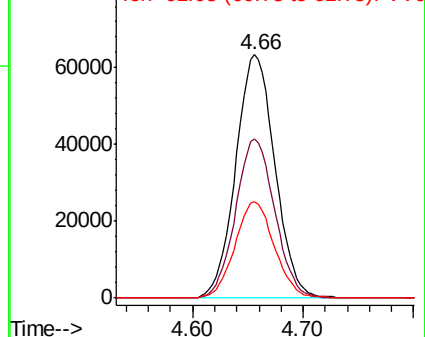
61 39.7 32.4 48.6

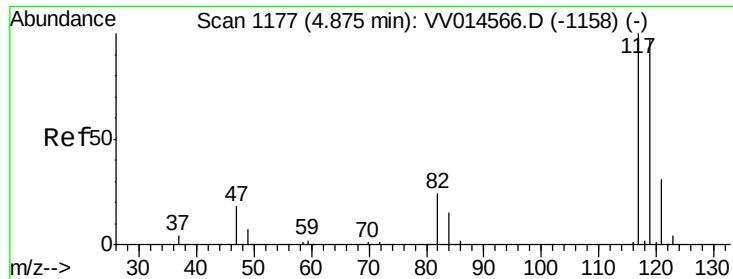


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 47.241 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

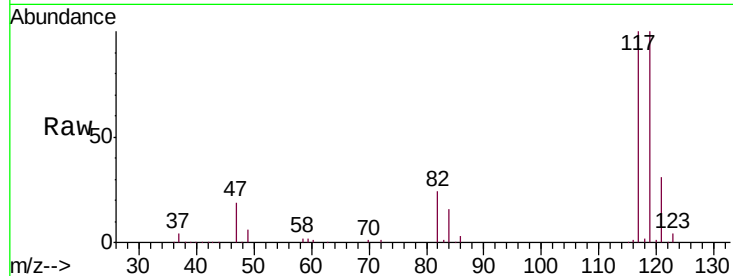
VSTD05097

Tgt Ion:117 Resp: 135708

Ion Ratio Lower Upper

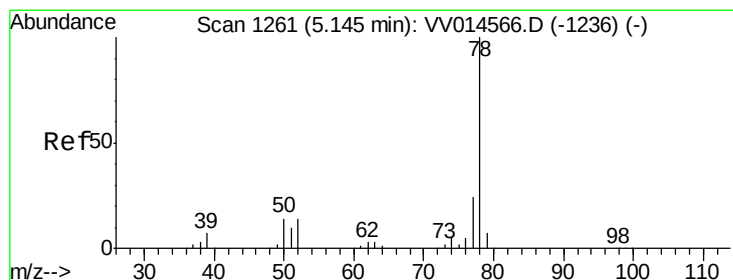
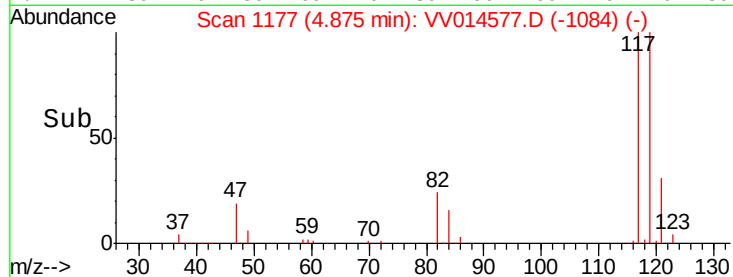
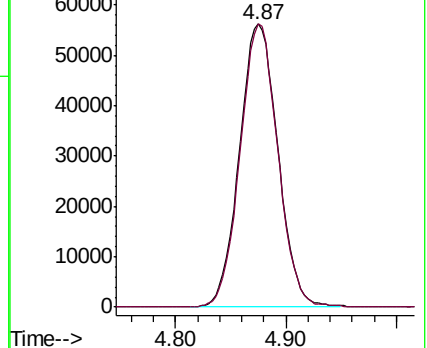
117 100

119 98.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.685 ug/L

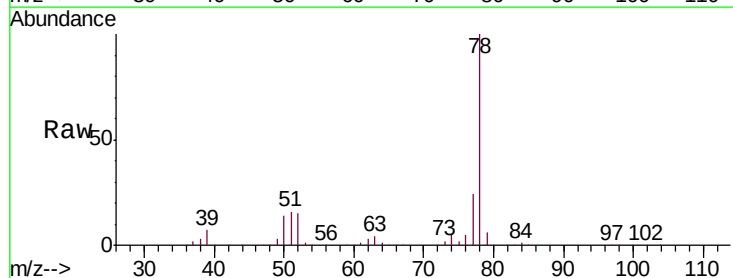
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

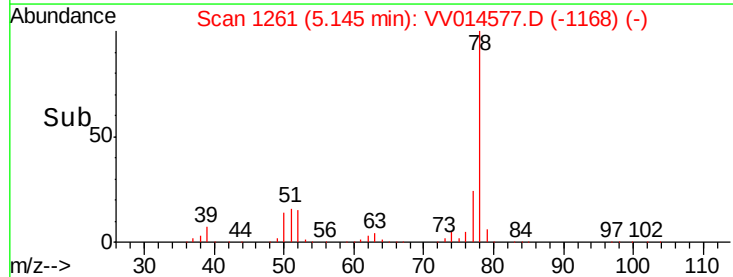
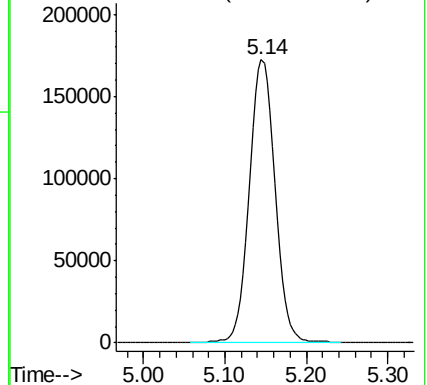
Lab File: VV014577.D

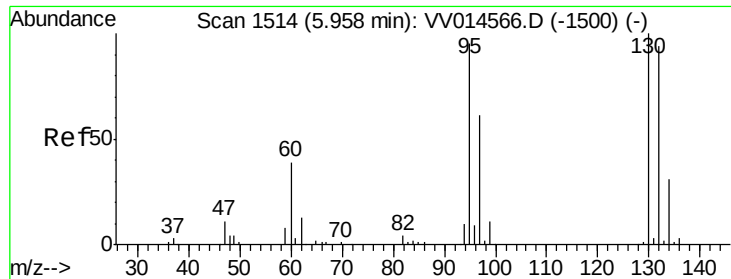
Acq: 12 Feb 2020 17:15

Tgt Ion: 78 Resp: 373807



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.482 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

Tgt Ion: 95 Resp: 100452

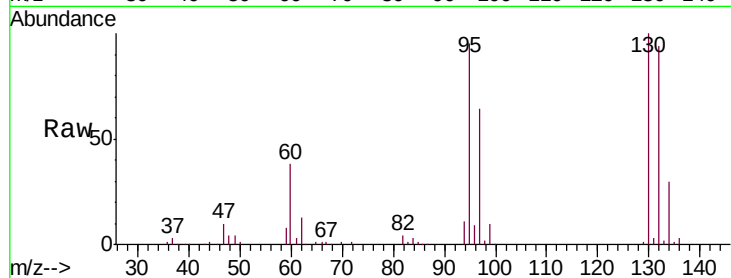
Ion Ratio Lower Upper

95 100

97 67.7 45.3 84.1

132 99.4 69.6 129.2

130 105.7 74.0 137.4



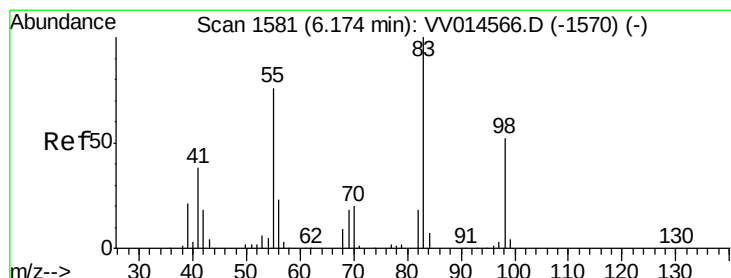
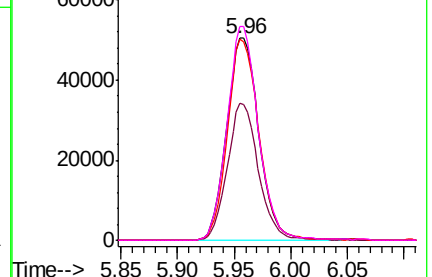
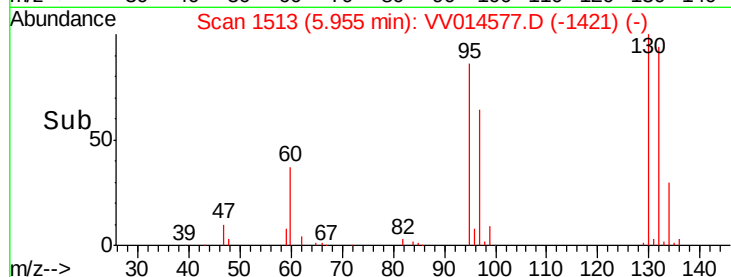
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 47.297 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

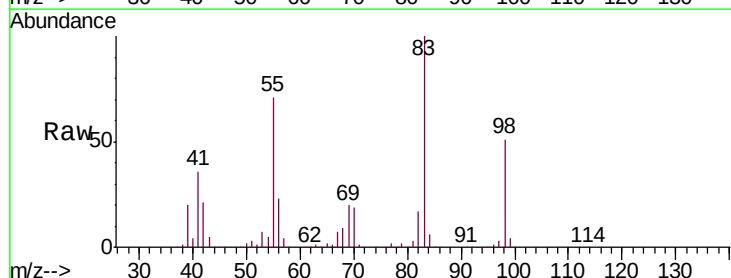
Tgt Ion: 83 Resp: 153434

Ion Ratio Lower Upper

83 100

55 70.9 57.8 86.6

98 50.8 39.7 59.5

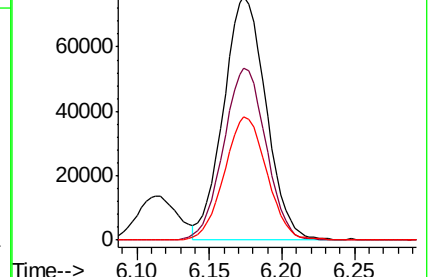
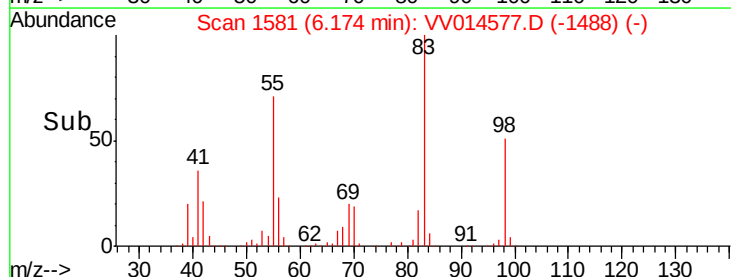


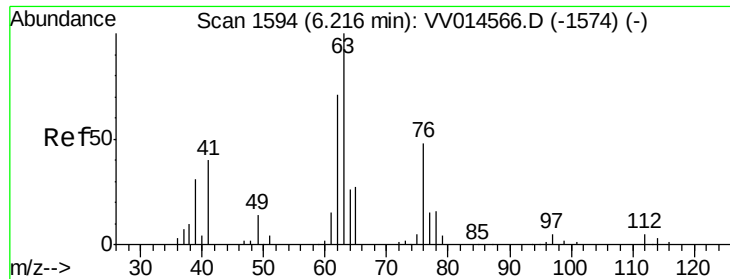
Abundance

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

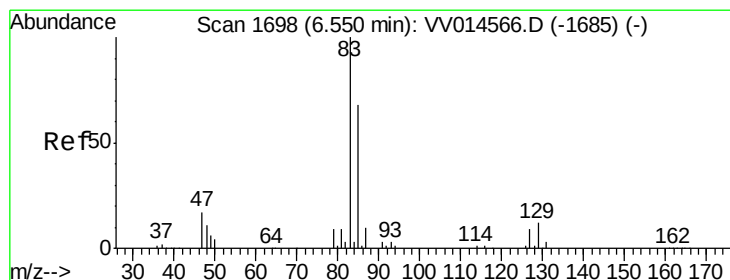
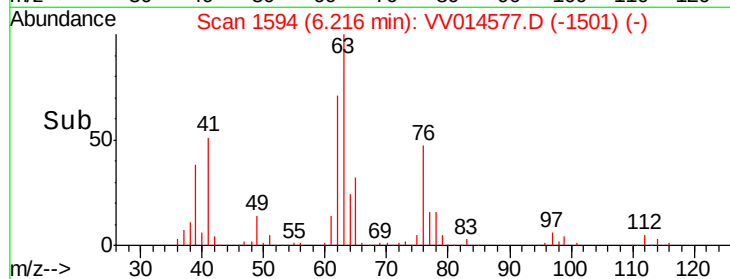
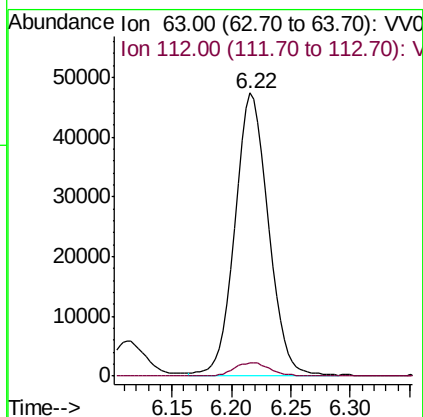
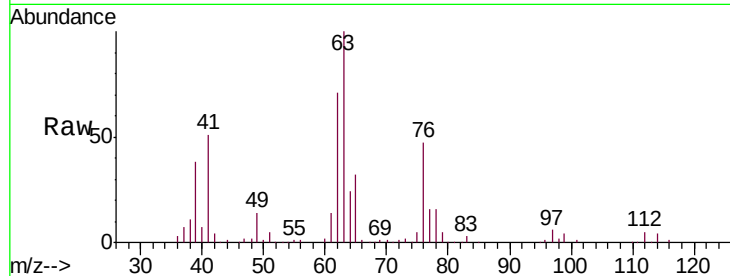




#37
 1,2-Dichloropropane
 Concen: 48.595 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

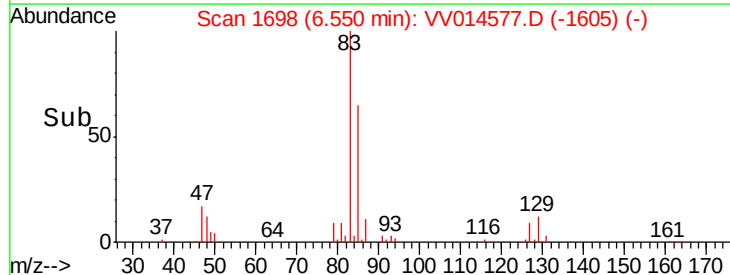
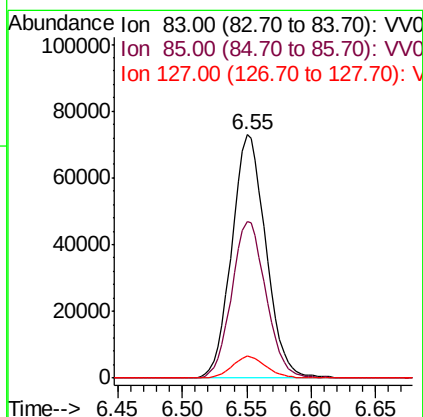
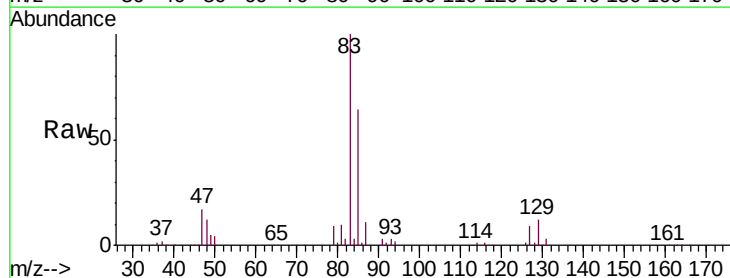
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

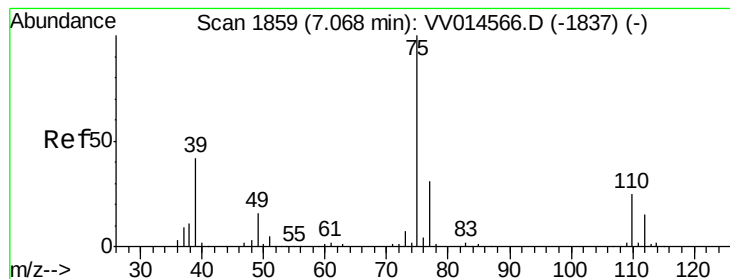
Tgt Ion: 63 Resp: 92132
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 48.319 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Tgt Ion: 83 Resp: 134329
 Ion Ratio Lower Upper
 83 100
 85 64.5 47.3 87.8
 127 8.9 7.5 11.3



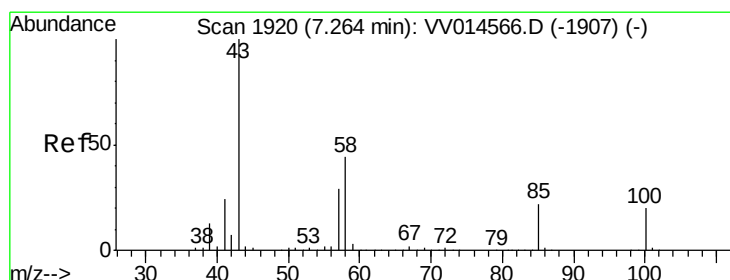
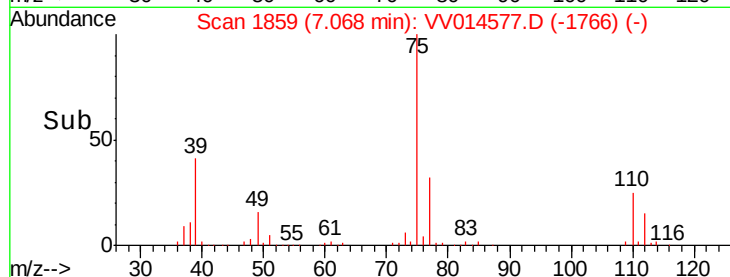
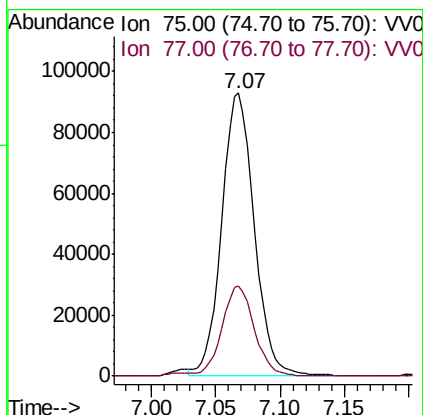
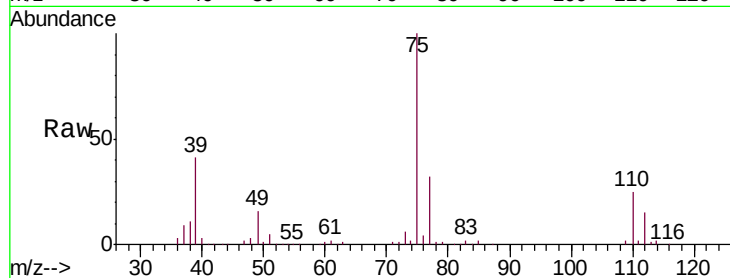


#39

cis-1,3-Dichloropropene
Concen: 48.379 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

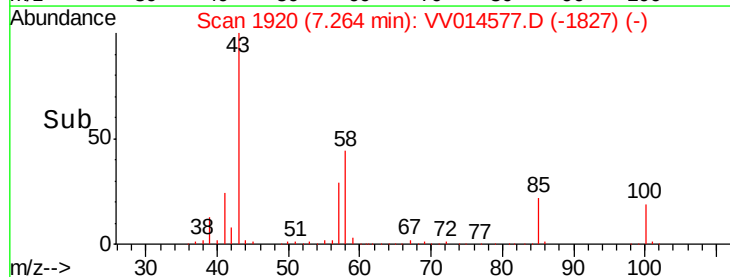
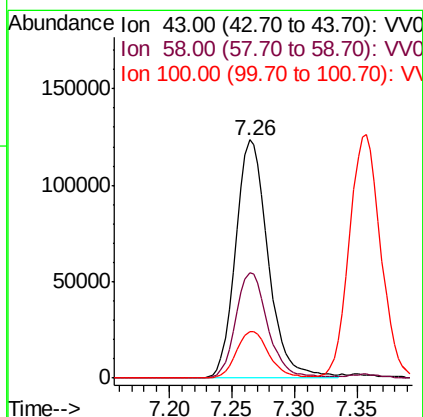
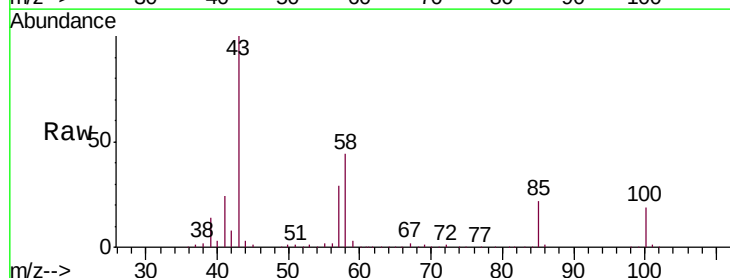
Tgt Ion: 75 Resp: 161924
Ion Ratio Lower Upper
75 100
77 32.0 21.7 40.3

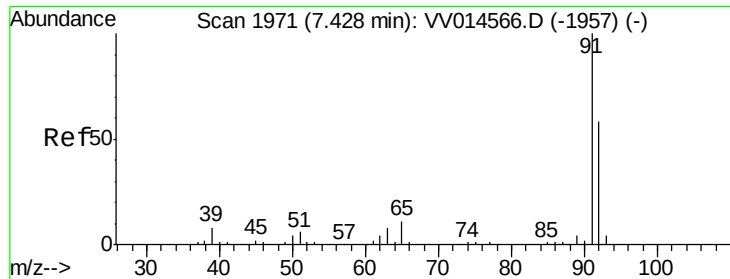


#40

4-Methyl-2-pentanone
Concen: 95.177 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion: 43 Resp: 222894
Ion Ratio Lower Upper
43 100
58 43.8 35.0 52.6
100 19.8 15.7 23.5





#42

Toluene

Concen: 48.760 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

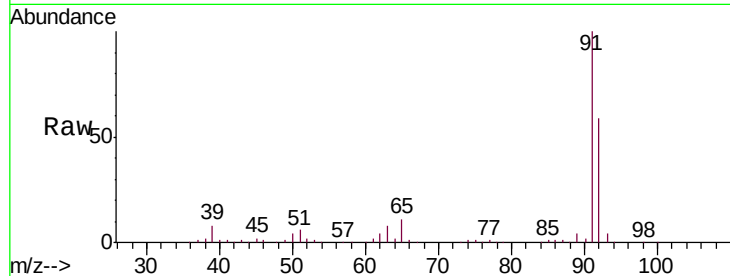
VSTD05097

Tgt Ion: 91 Resp: 408256

Ion Ratio Lower Upper

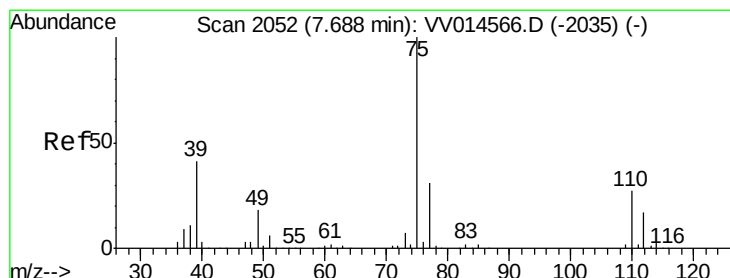
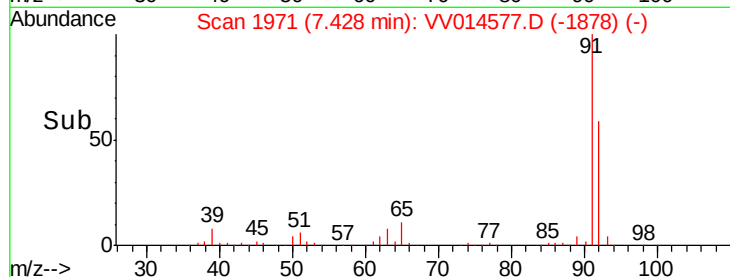
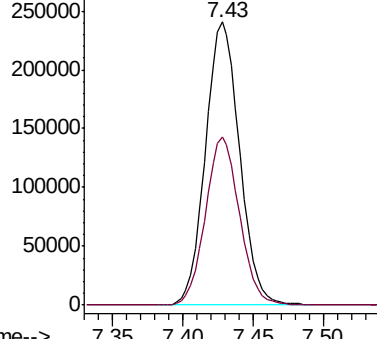
91 100

92 59.4 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 49.308 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014577.D

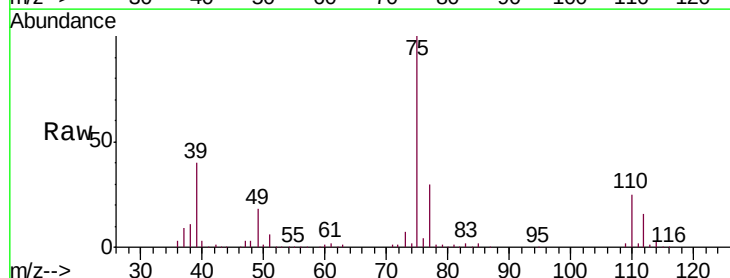
Acq: 12 Feb 2020 17:15

Tgt Ion: 75 Resp: 149042

Ion Ratio Lower Upper

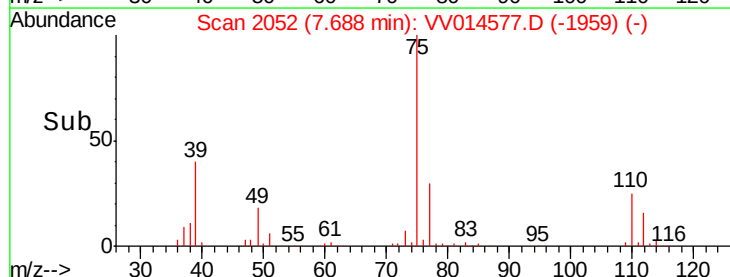
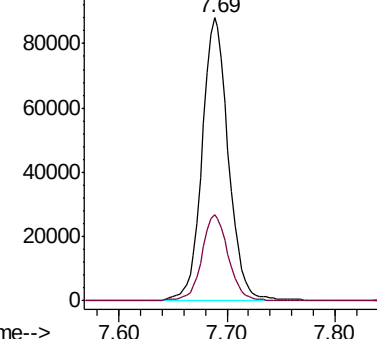
75 100

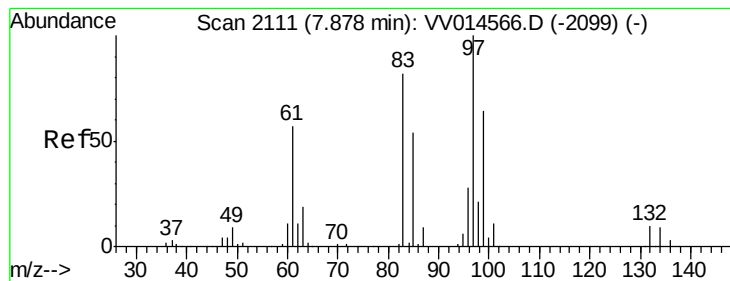
77 30.4 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 48.904 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

Tgt Ion: 97 Resp: 95775

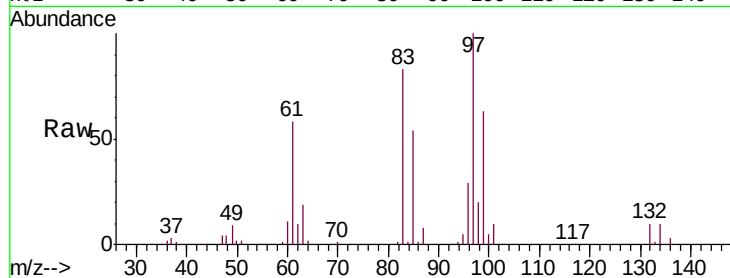
Ion Ratio Lower Upper

97 100

99 62.6 44.9 83.3

83 83.3 57.5 106.7

85 53.9 37.5 69.7

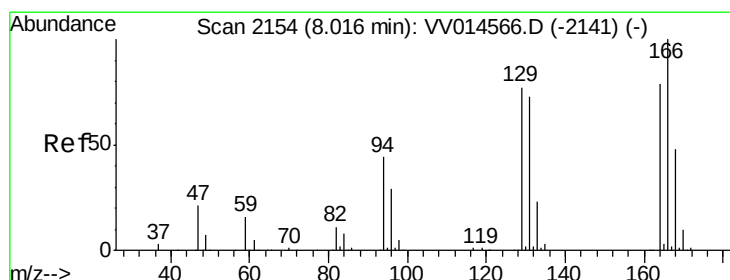
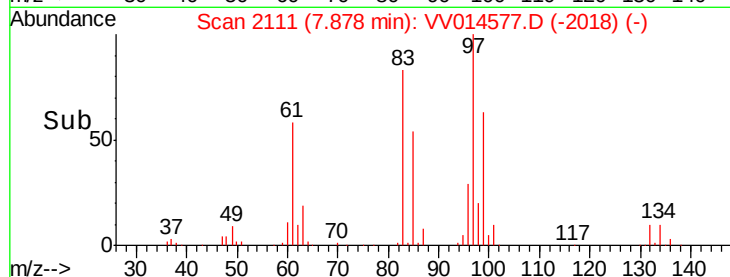
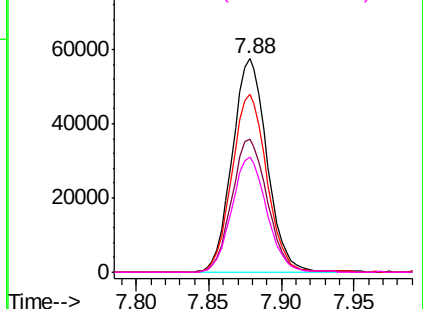


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 47.919 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Tgt Ion: 164 Resp: 78074

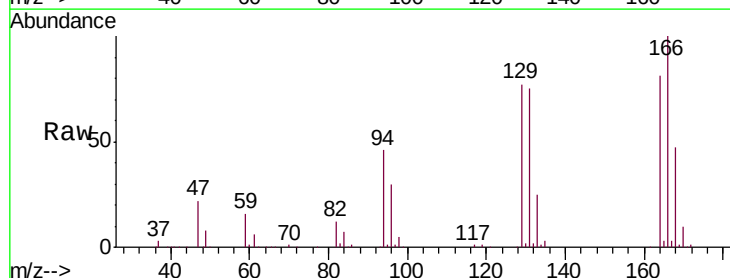
Ion Ratio Lower Upper

164 100

129 95.5 67.8 126.0

131 93.1 64.5 119.9

166 123.9 88.6 164.6

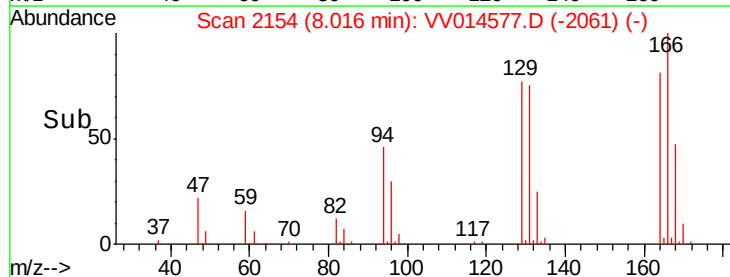
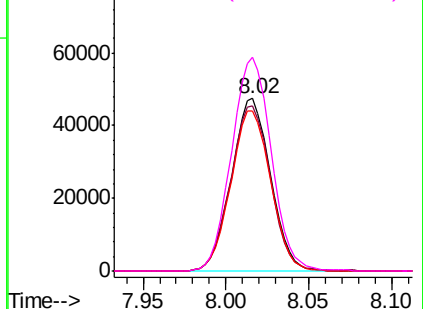


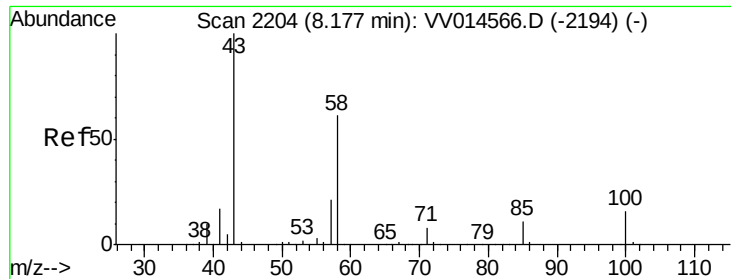
Abundance Ion 164.00 (163.70 to 164.70): V

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

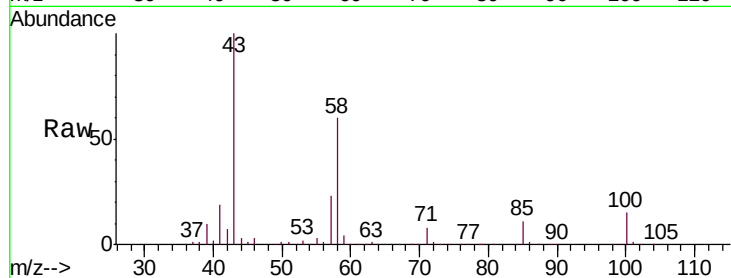




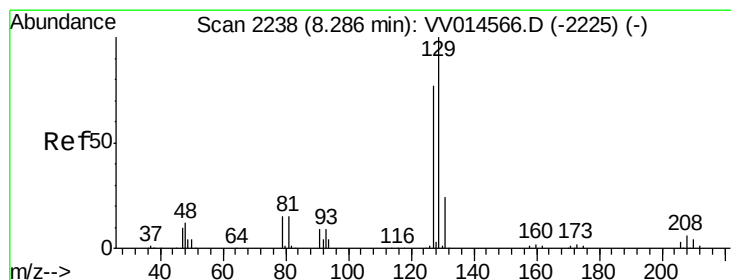
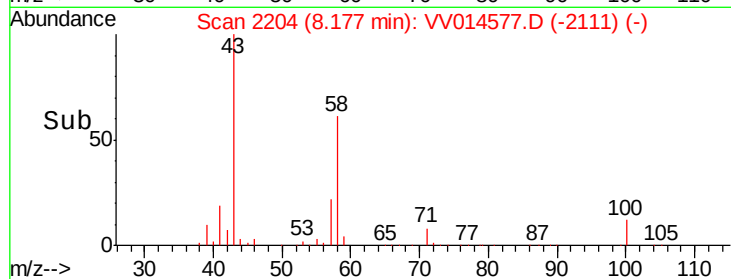
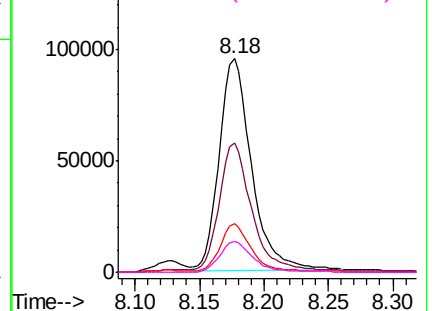
#48
2-Hexanone
Concen: 90.479 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tgt Ion: 43 Resp: 165201
Ion Ratio Lower Upper
43 100
58 61.2 50.4 75.6
57 21.4 17.8 26.6
100 14.7 12.6 19.0

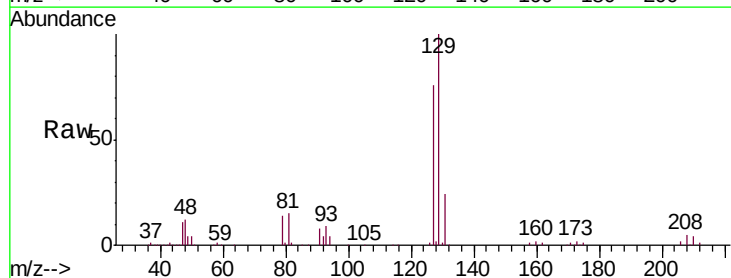


Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV014566.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV014566.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV014566.D (-2194) (-)

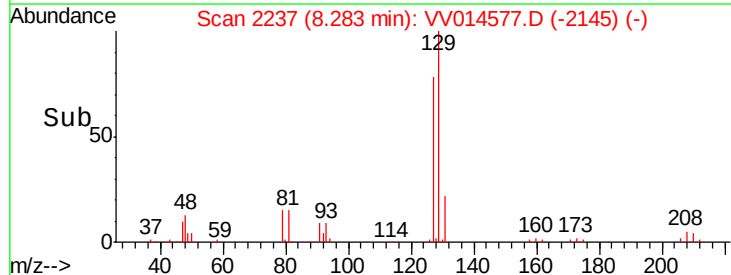
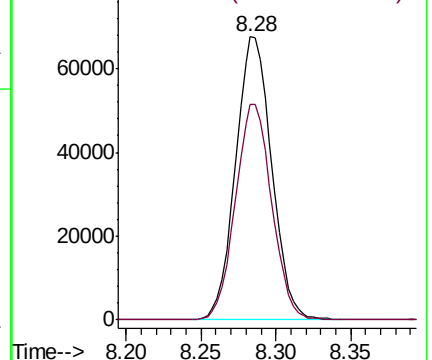


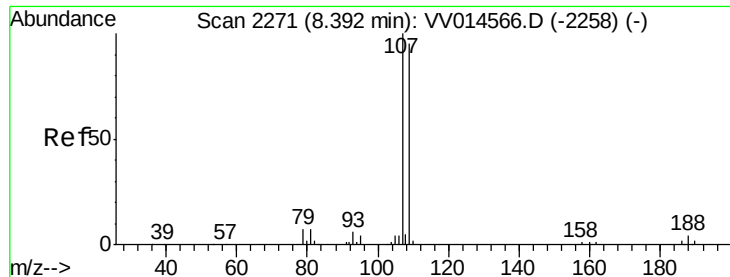
#49
Dibromochloromethane
Concen: 48.740 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion: 129 Resp: 113763
Ion Ratio Lower Upper
129 100
127 76.0 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014566.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV014566.D (-2225) (-)





#50

1,2-Dibromoethane

Concen: 49.123 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

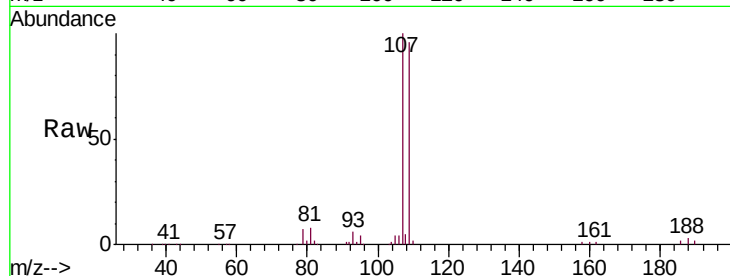
Tgt Ion:107 Resp: 104093

Ion Ratio Lower Upper

107 100

109 95.5 66.1 122.8

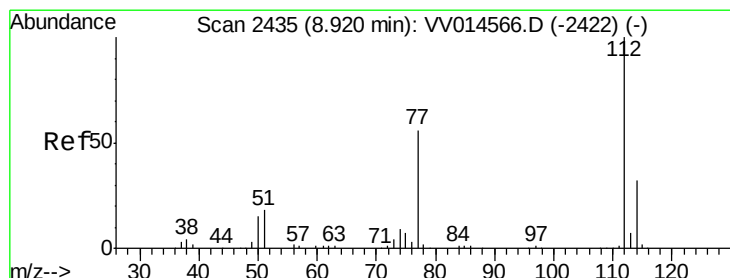
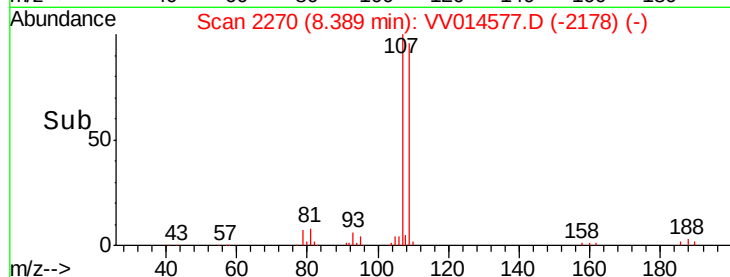
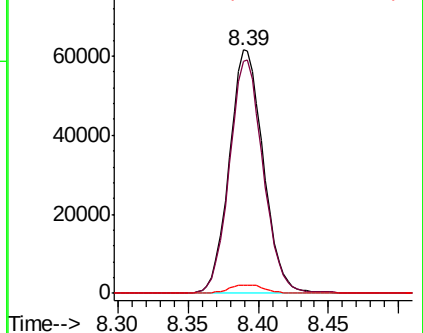
188 3.3 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.415 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

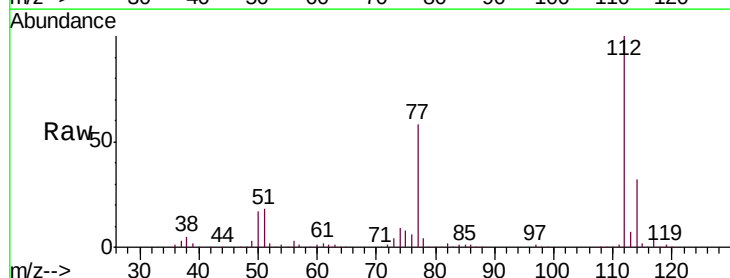
Tgt Ion:112 Resp: 271011

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

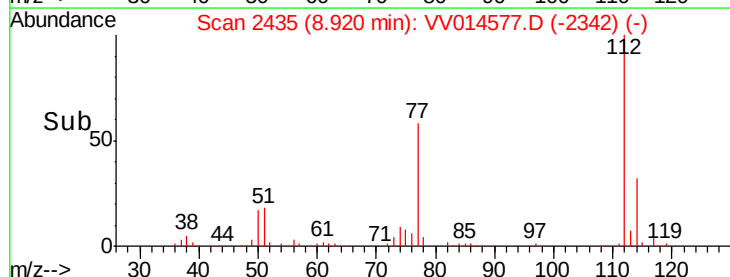
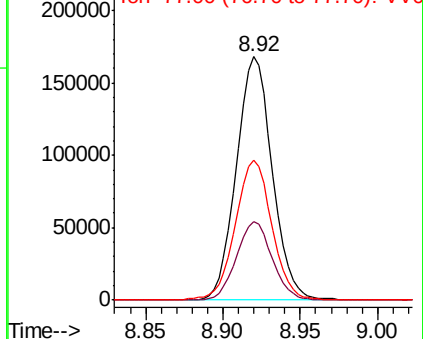
77 57.7 45.3 67.9

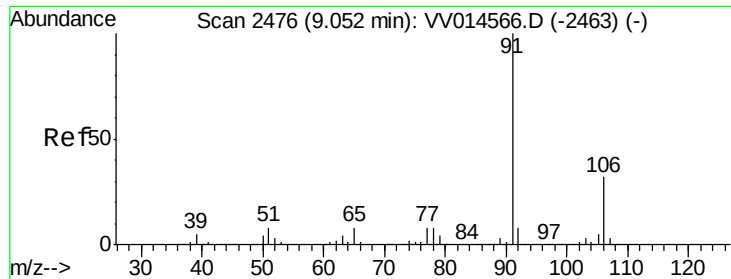


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.562 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

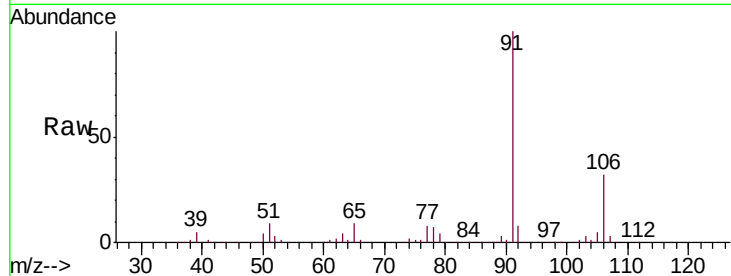
VSTD05097

Tgt Ion: 91 Resp: 461217

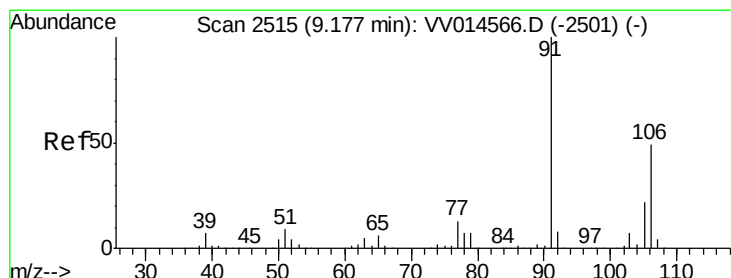
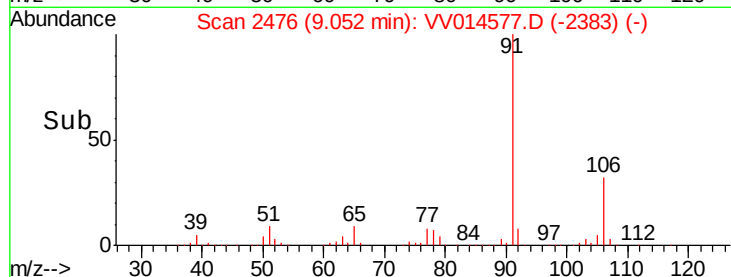
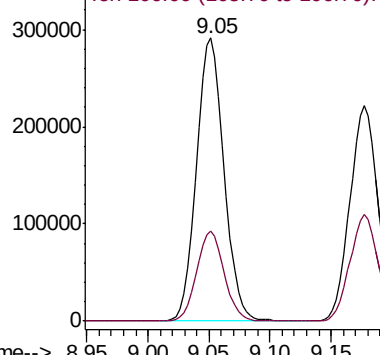
Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-2463) (-)



#53

m,p-Xylene

Concen: 47.428 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014577.D

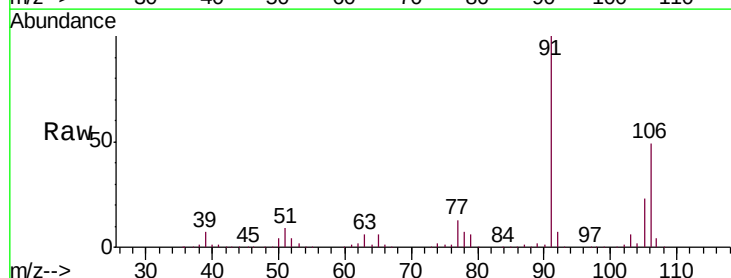
Acq: 12 Feb 2020 17:15

Tgt Ion: 106 Resp: 175860

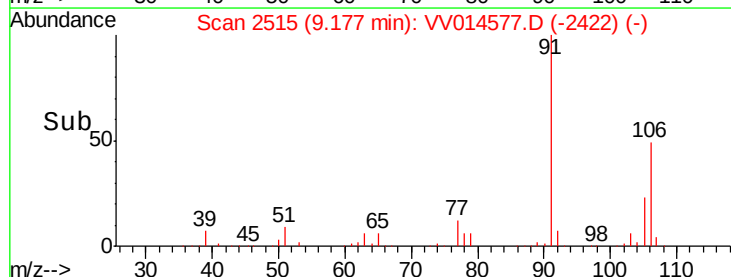
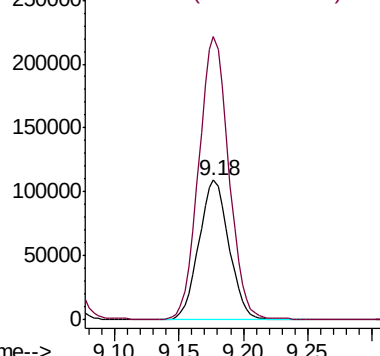
Ion Ratio Lower Upper

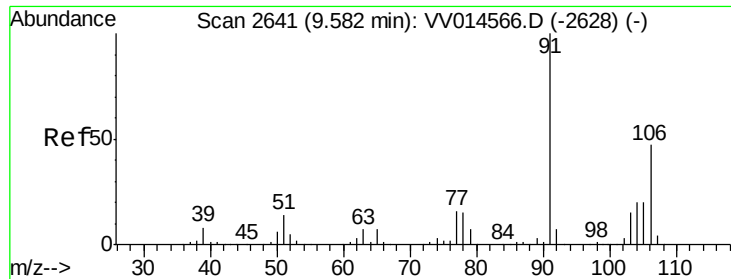
106 100

91 202.5 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014566.D (-2501) (-)

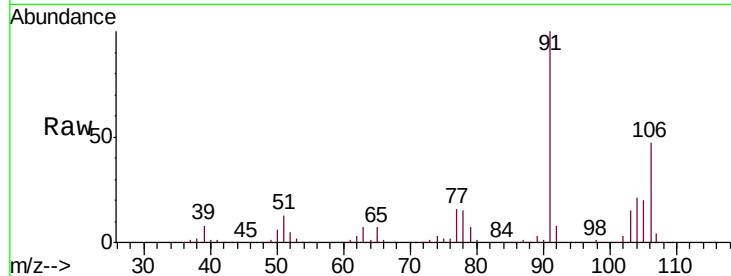




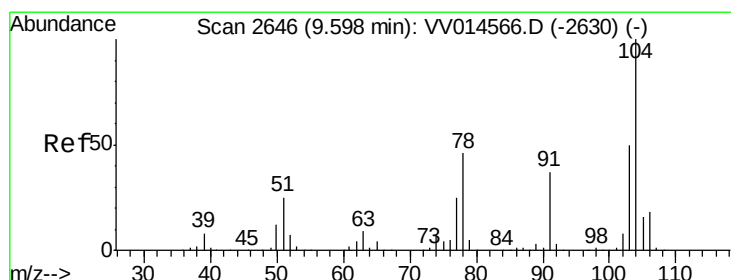
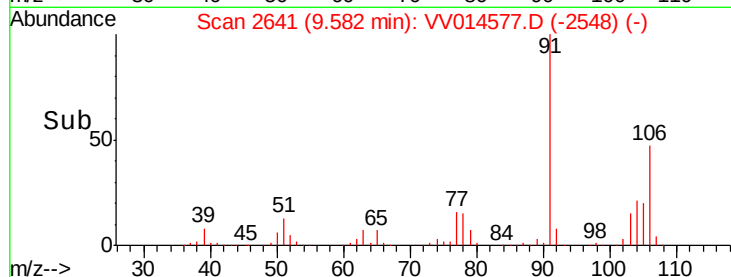
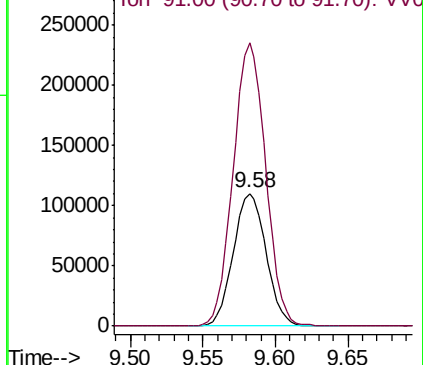
#54
o-xylene
Concen: 48.867 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tgt Ion:106 Resp: 173190
Ion Ratio Lower Upper
106 100
91 213.1 150.5 279.5

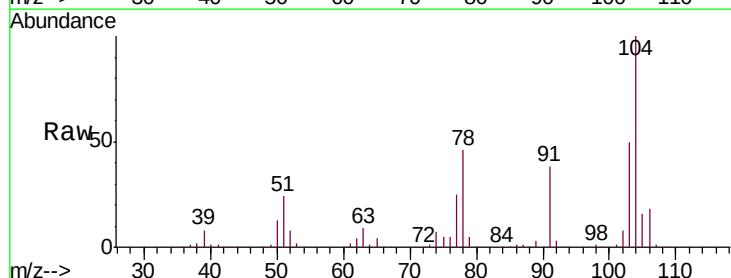


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

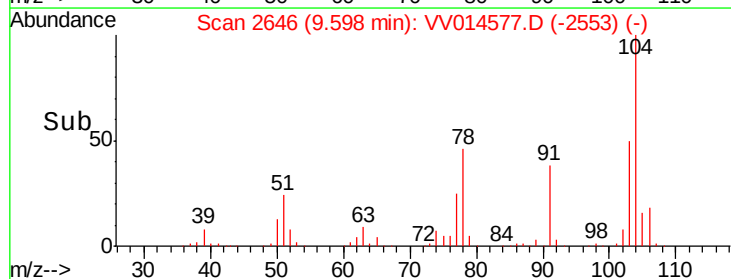
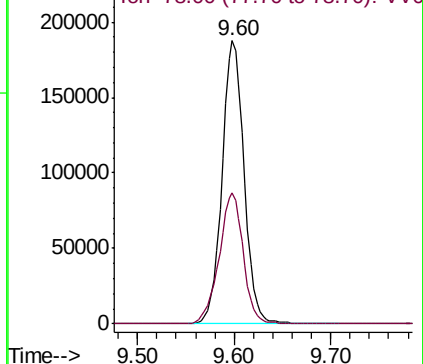


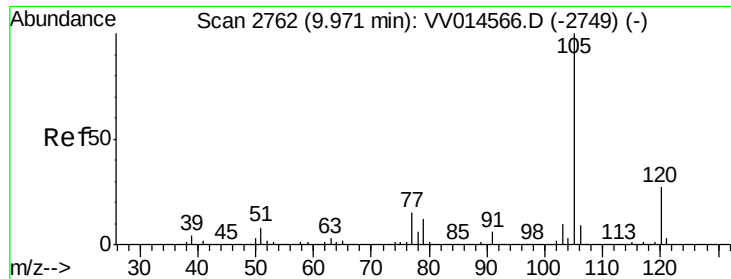
#55
Styrene
Concen: 48.679 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion:104 Resp: 296451
Ion Ratio Lower Upper
104 100
78 46.3 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.302 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

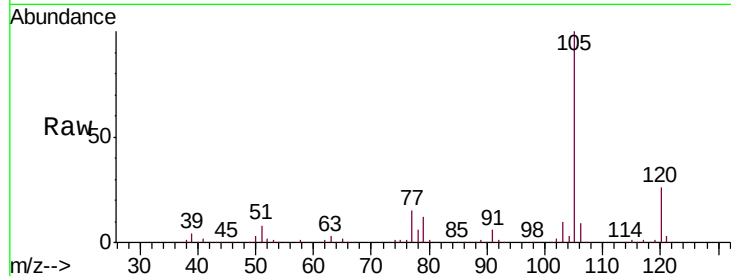
Tgt Ion: 105 Resp: 455349

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

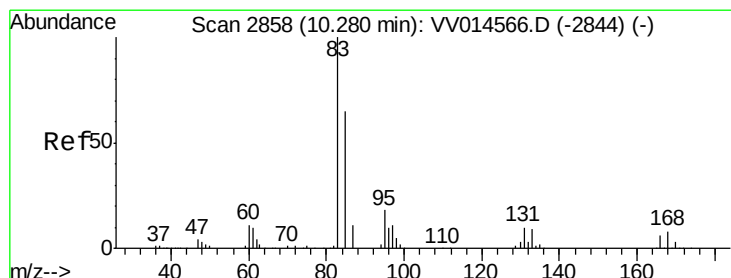
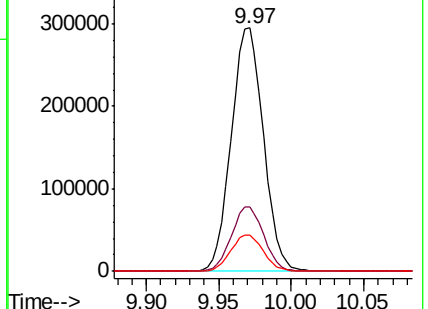
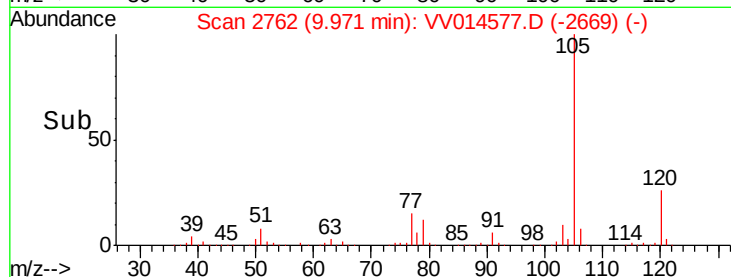
77 15.2 12.2 18.2



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: 48.382 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

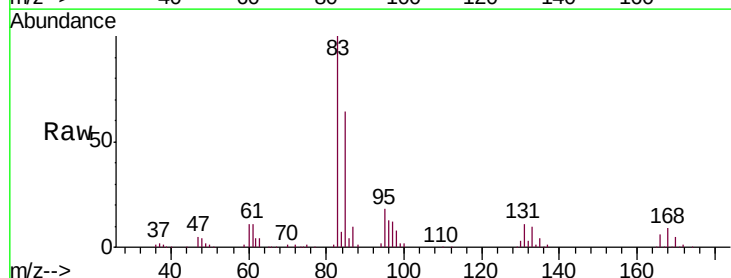
Tgt Ion: 83 Resp: 149690

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9

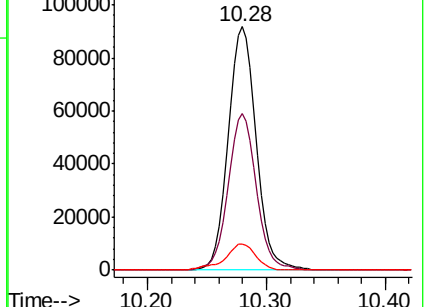
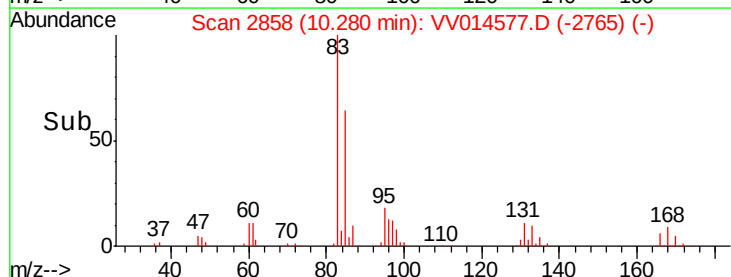
131 10.9 8.2 12.4

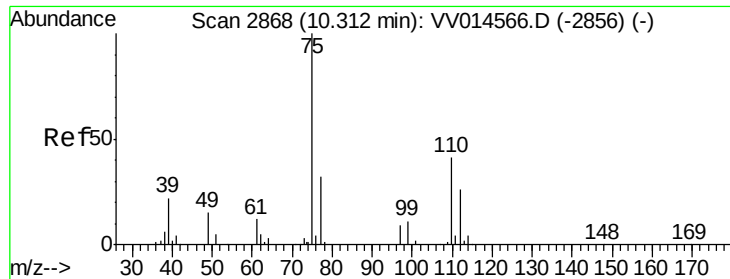


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

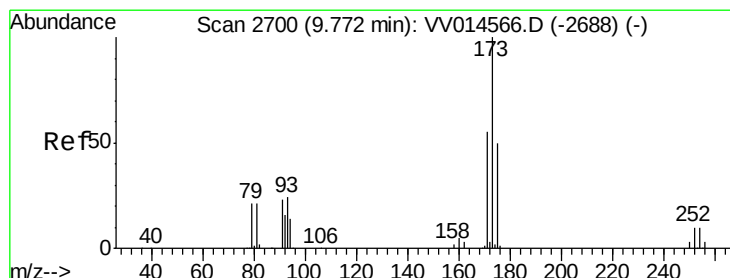
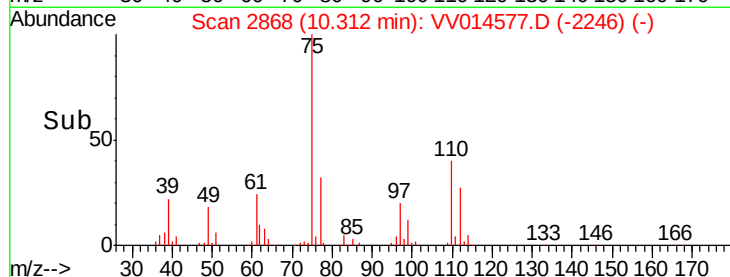
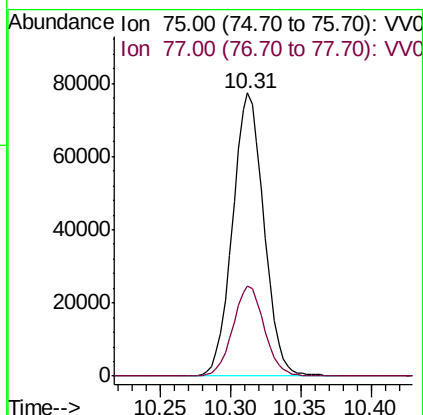
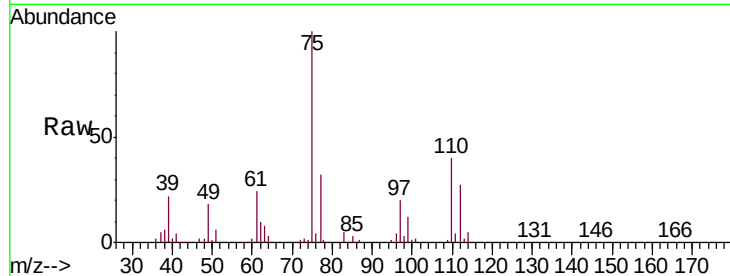




#59
1,2,3-Trichloropropane
Concen: 49.409 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

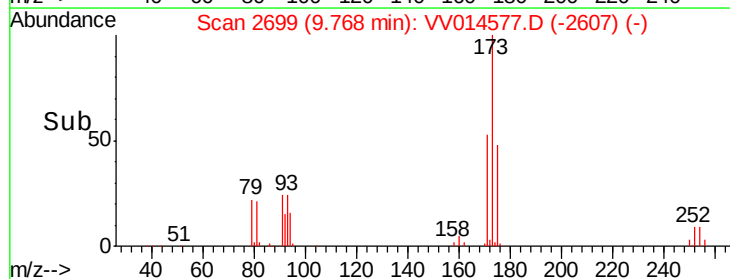
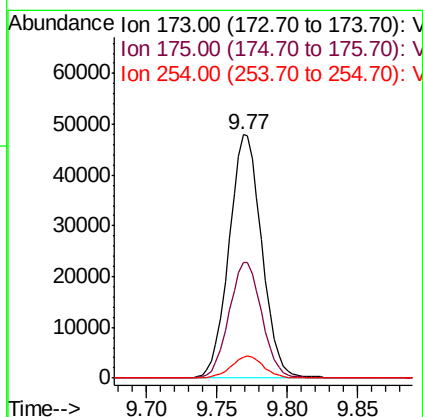
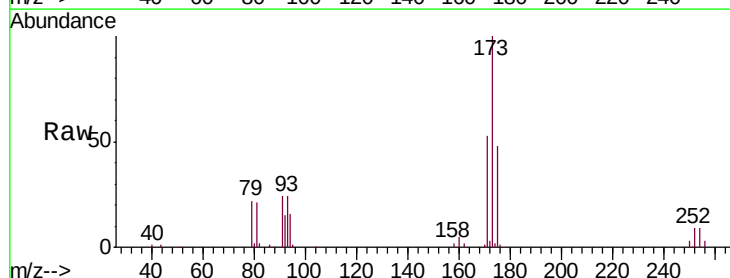
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

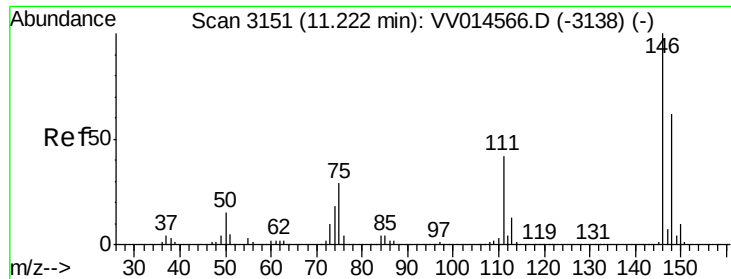
Tgt Ion: 75 Resp: 120551
Ion Ratio Lower Upper
75 100
77 31.9 25.9 38.9



#61
Bromoform
Concen: 49.113 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VV014577.D
Acq: 12 Feb 2020 17:15

Tgt Ion: 173 Resp: 77857
Ion Ratio Lower Upper
173 100
175 47.6 39.3 58.9
254 8.8 7.1 10.7

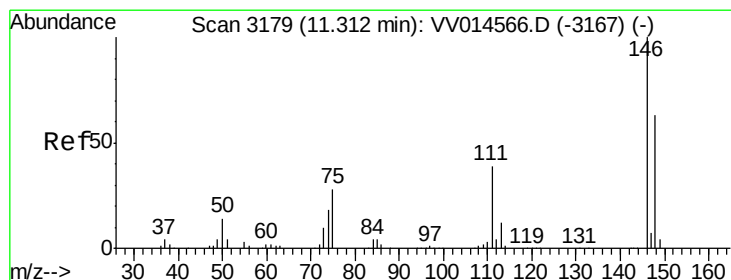
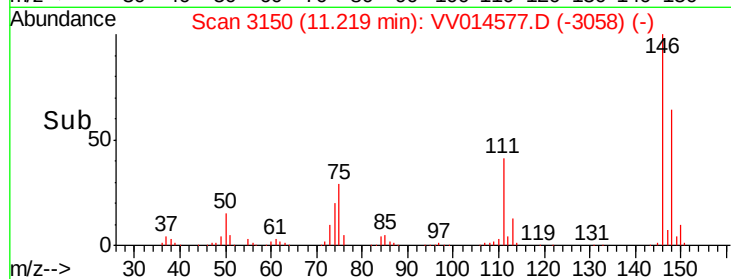
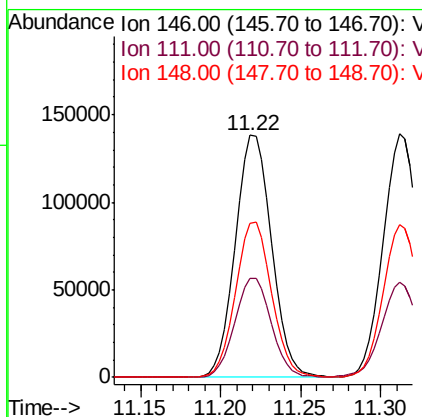
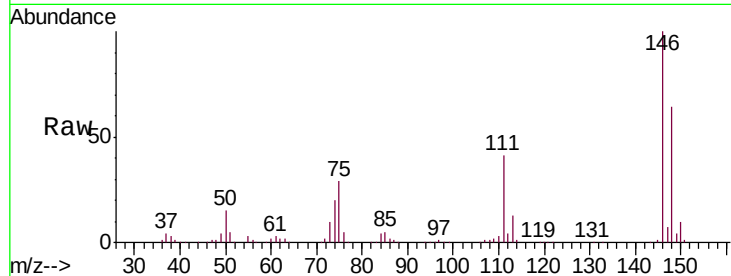




#62
 1,3-Dichlorobenzene
 Concen: 48.231 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

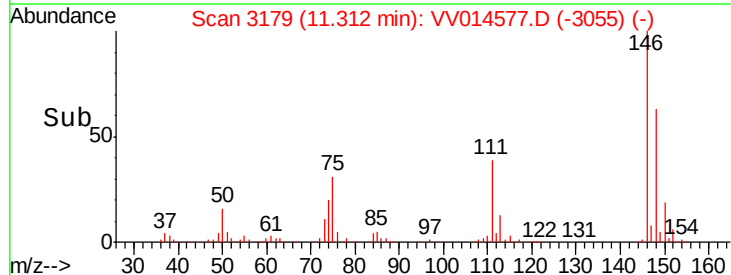
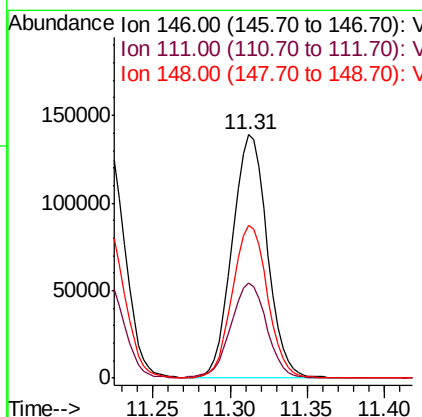
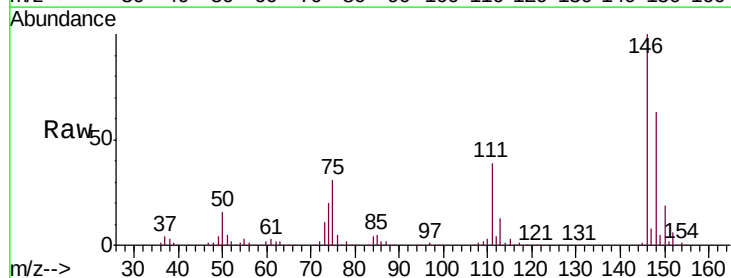
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

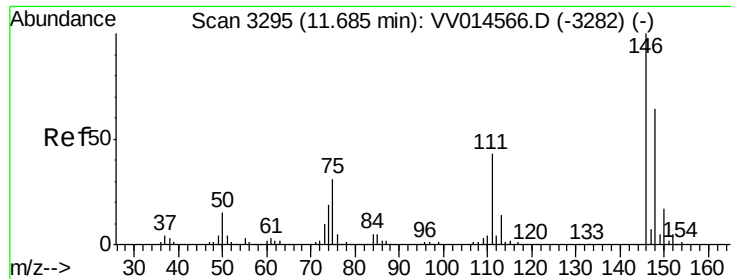
Tgt Ion:146 Resp: 213642
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.4 54.6
 148 63.9 43.6 81.0



#63
 1,4-Dichlorobenzene
 Concen: 48.089 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Tgt Ion:146 Resp: 217120
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.7 51.5
 148 62.8 44.1 81.9

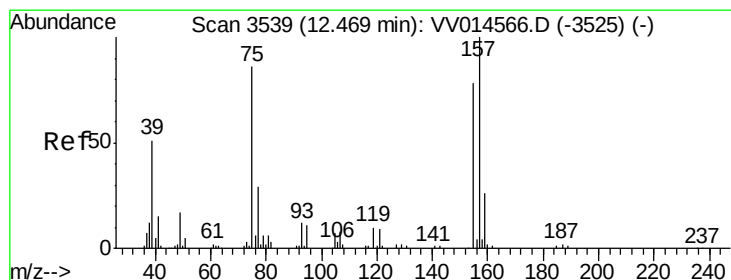
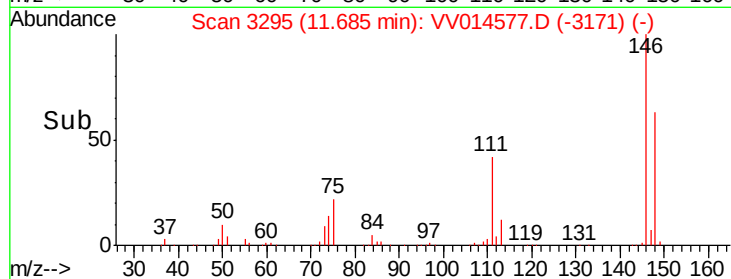
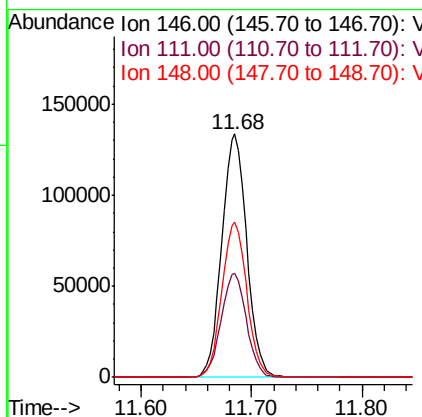
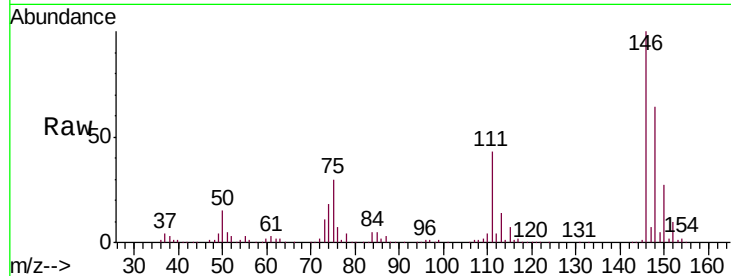




#65
 1,2-Dichlorobenzene
 Concen: 48.250 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

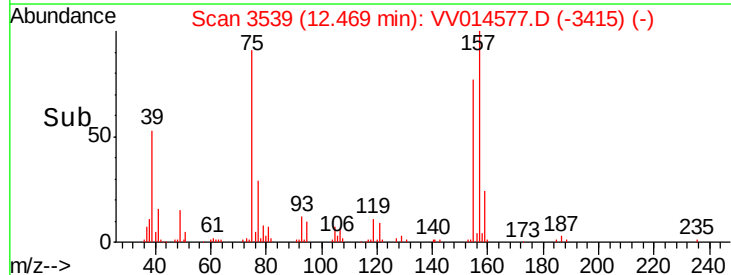
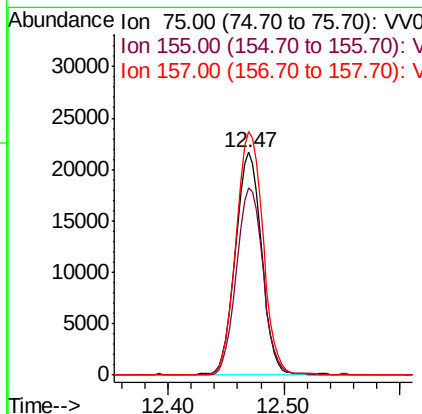
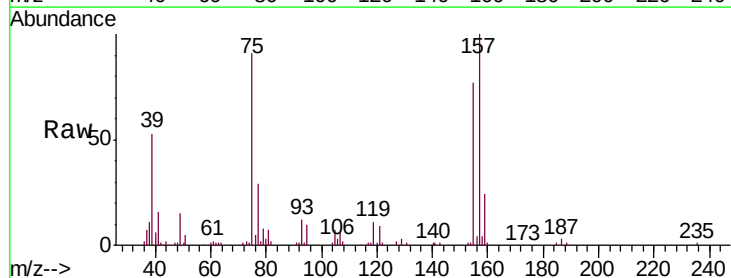
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

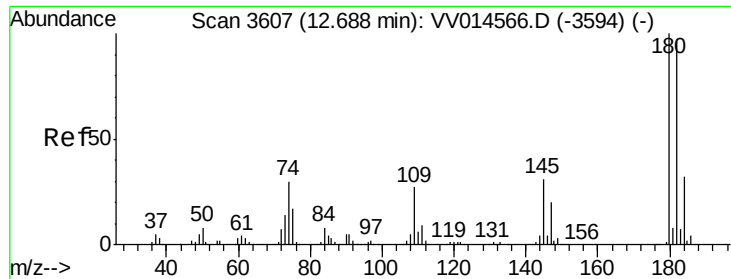
Tgt Ion: 146 Resp: 209945
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.6 52.0
 148 63.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.603 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Tgt Ion: 75 Resp: 33742
 Ion Ratio Lower Upper
 75 100
 155 83.9 72.9 109.3
 157 109.3 93.0 139.4

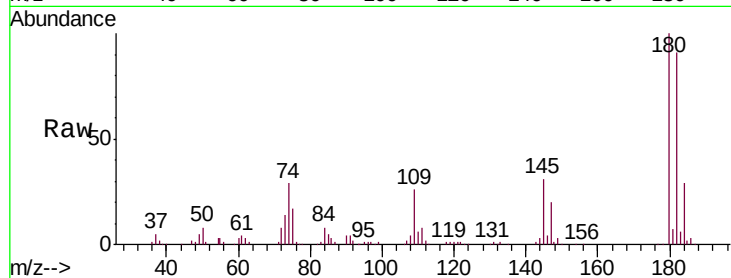




#67
 1,3,5-Trichlorobenzene
 Concen: 47.364 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tgt Ion:	180	Resp:	150877
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.2	115.8
184	29.8	24.5	36.7
145	31.3	25.3	37.9



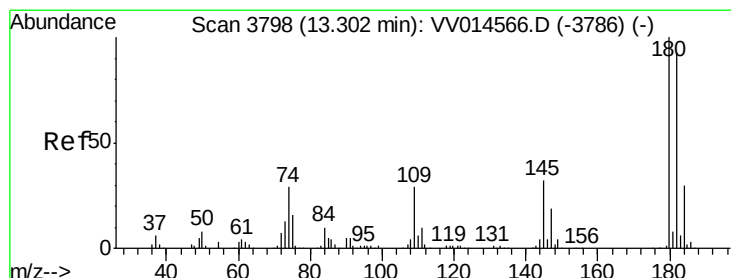
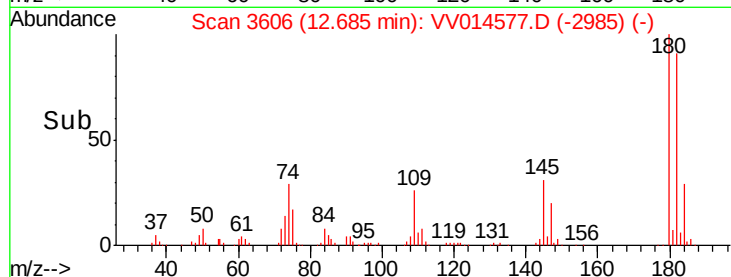
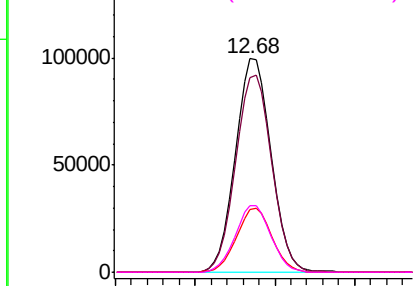
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

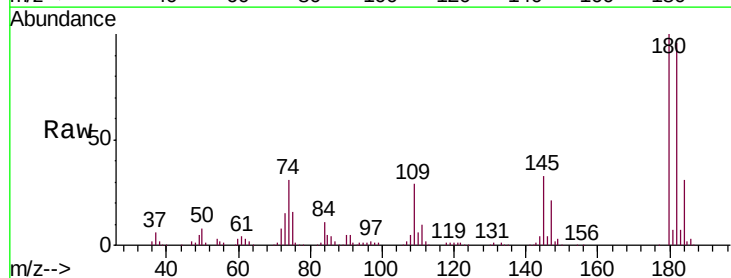
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.306 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014577.D
 Acq: 12 Feb 2020 17:15

Tgt Ion:	180	Resp:	136599
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
145	32.5	25.8	38.6

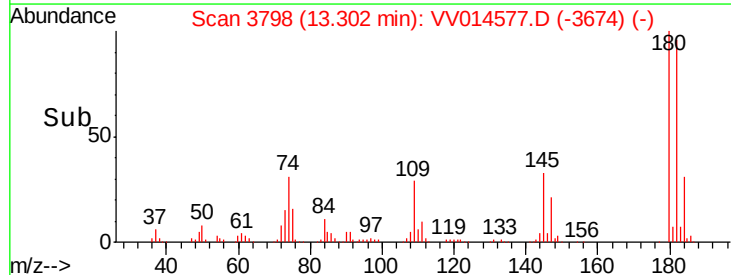
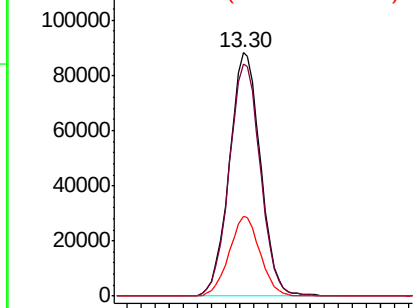


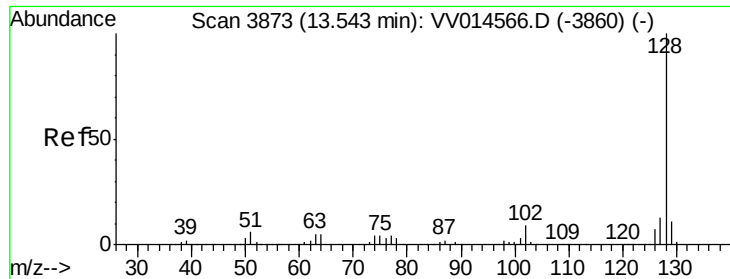
Abundance

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: 46.538 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

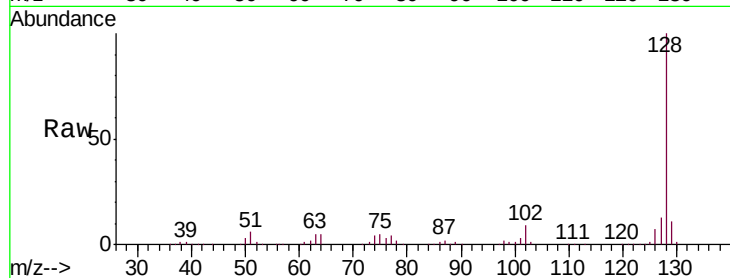
Tgt Ion:128 Resp: 435314

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

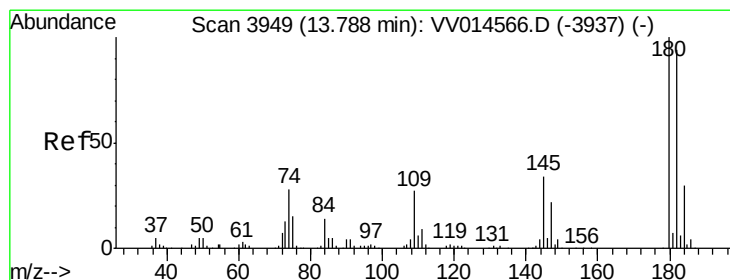
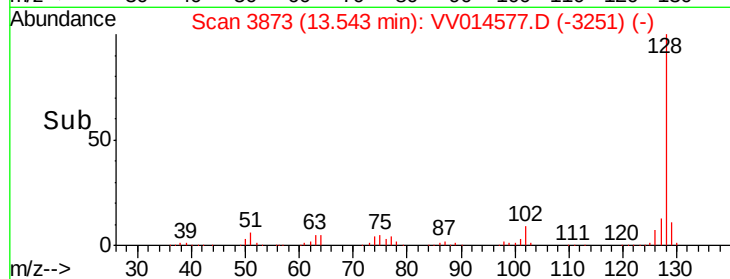
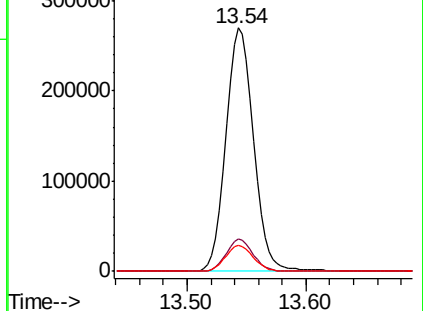
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 46.791 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014577.D

Acq: 12 Feb 2020 17:15

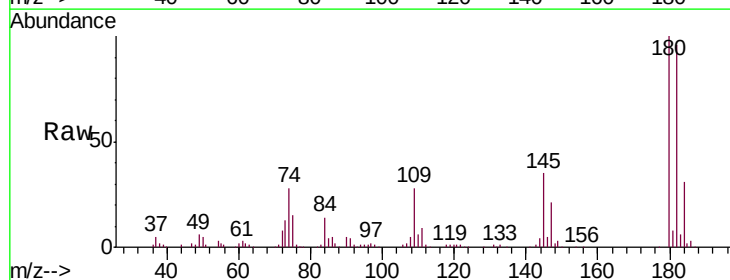
Tgt Ion:180 Resp: 133065

Ion Ratio Lower Upper

180 100

182 95.8 75.2 112.8

145 34.9 27.1 40.7



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

