

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\
 Data File : VV014934.D
 Acq On : 16 Mar 2020 09:41
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Mar 16 17:13:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 16 17:11:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367192	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	350859	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12362	4.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	9399	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	19934	4.91	ug/L	0.00
21) 2-Butanone-d5	3.95	46	4848	2.77	ug/L	0.03
24) Chloroform-d	4.38	84	25756	5.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	16258	5.08	ug/L	0.00
32) Benzene-d6	5.08	84	50298	5.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	15611	5.16	ug/L	0.00
41) Toluene-d8	7.34	98	48850	5.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	7472	4.94	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	11429	8.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21137	5.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	21431	5.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	19694	5.48	ug/L	98
3) Chloromethane	1.25	50	14117	4.61	ug/L	97
5) Vinyl chloride	1.32	62	13549	4.74	ug/L	95
6) Bromomethane	1.53	94	8191	4.59	ug/L	97
8) Chloroethane	1.60	64	7383	4.82	ug/L	96
9) Trichlorofluoromethane	1.76	101	20866	5.28	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10927	5.40	ug/L	95
12) 1,1-Dichloroethene	2.13	96	9588	4.92	ug/L	87
13) Acetone	2.20	43	6476	4.48	ug/L	82
14) Carbon disulfide	2.31	76	29852	4.64	ug/L	99
15) Methyl Acetate	2.46	43	8474	3.13	ug/L #	88
16) Methylene chloride	2.53	84	14162	5.22	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	13292	5.39	ug/L	91
18) Methyl tert-butyl Ether	2.79	73	40943	5.09	ug/L	97
19) 1,1-Dichloroethane	3.21	63	23502	4.96	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	14905	5.38	ug/L	100
22) 2-Butanone	4.03	43	8672	4.40	ug/L	98
23) Bromochloromethane	4.28	128	7990	5.61	ug/L	92
25) Chloroform	4.41	83	25954	5.25	ug/L	98
27) 1,2-Dichloroethane	5.16	62	19141	4.97	ug/L #	91
29) Cyclohexane	4.70	56	20230	4.89	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	23258	5.66	ug/L	99
31) Carbon tetrachloride	4.86	117	20043	5.68	ug/L	99
33) Benzene	5.13	78	53659	5.33	ug/L	100
34) Trichloroethene	5.94	95	14562	5.51	ug/L	91
35) Methylcyclohexane	6.15	83	23035	5.29	ug/L	98
37) 1,2-Dichloropropane	6.20	63	13452	5.05	ug/L #	91
38) Bromodichloromethane	6.53	83	17824	5.11	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	18718	4.37	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	31964	8.31	ug/L	98

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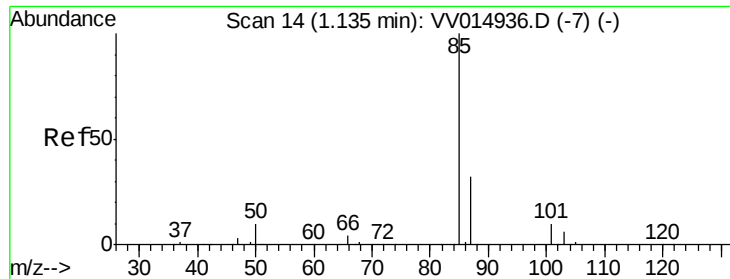
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	58538	5.24	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	16923	4.39	ug/L	90
45) 1,1,2-Trichloroethane	7.86	97	13539	5.34	ug/L	92
46) Tetrachloroethene	8.00	164	13337	5.98	ug/L	97
48) 2-Hexanone	8.17	43	24759	8.20	ug/L	96
49) Dibromochloromethane	8.27	129	14369	5.18	ug/L	100
50) 1,2-Dibromoethane	8.38	107	14737	5.38	ug/L	96
51) Chlorobenzene	8.90	112	40500	5.57	ug/L	100
52) Ethylbenzene	9.03	91	64828	5.14	ug/L	98
53) m,p-Xylene	9.16	106	24374	5.12	ug/L	99
54) o-xylene	9.56	106	24250	5.19	ug/L	99
55) Styrene	9.58	104	38852	4.86	ug/L	96
56) Isopropylbenzene	9.95	105	64030	5.10	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	22053	5.09	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	17488	5.04	ug/L	96
61) Bromoform	9.75	173	9886	4.89	ug/L #	93
62) 1,3-Dichlorobenzene	11.20	146	33190	5.51	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	33483	5.54	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	33804	5.61	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	4140	4.15	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.67	180	24179	5.14	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	21324	4.98	ug/L	95
69) Naphthalene	13.53	128	21457	3.41	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	20101	4.69	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.48 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

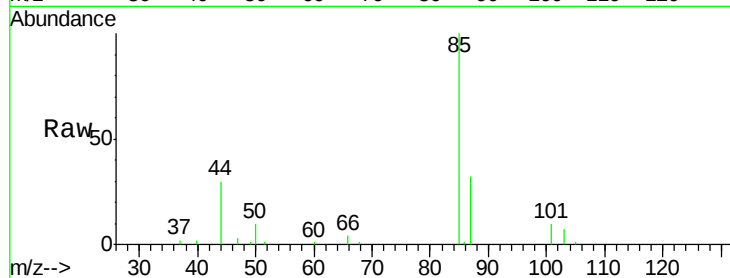
VSTD00563

Tgt Ion: 85 Resp: 19694

Ion Ratio Lower Upper

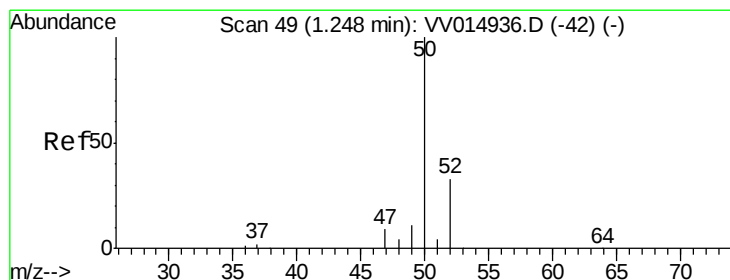
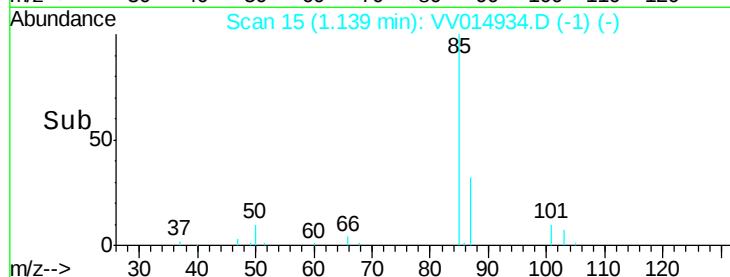
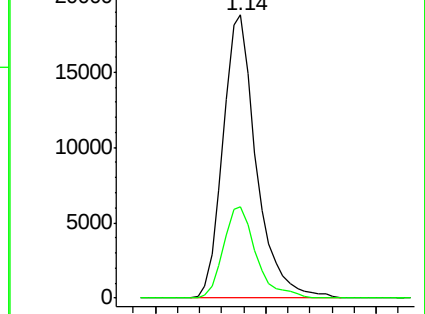
85 100

87 31.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014934.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014934.D (-7) (-)



#3

Chloromethane

Concen: 4.61 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014934.D

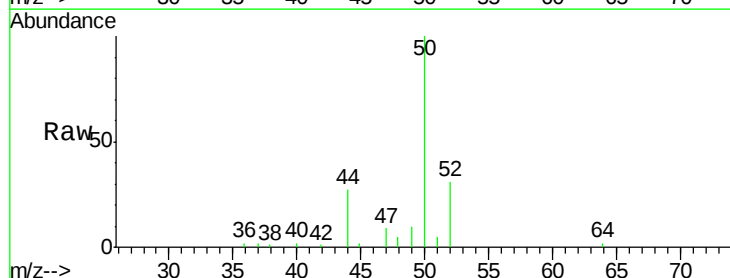
Acq: 16 Mar 2020 09:41

Tgt Ion: 50 Resp: 14117

Ion Ratio Lower Upper

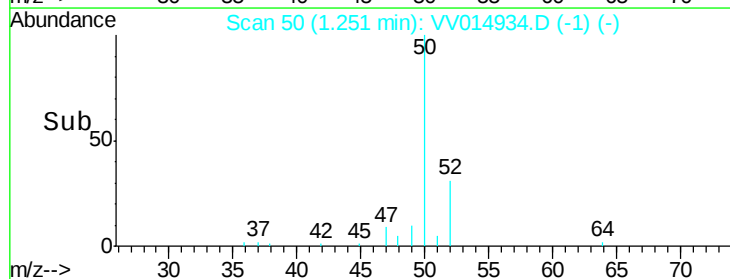
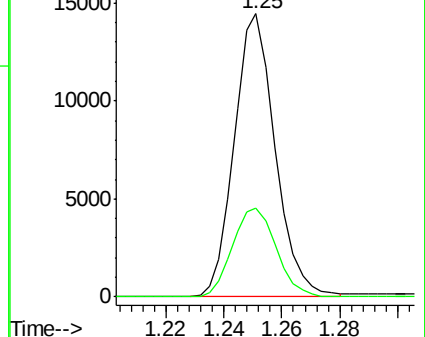
50 100

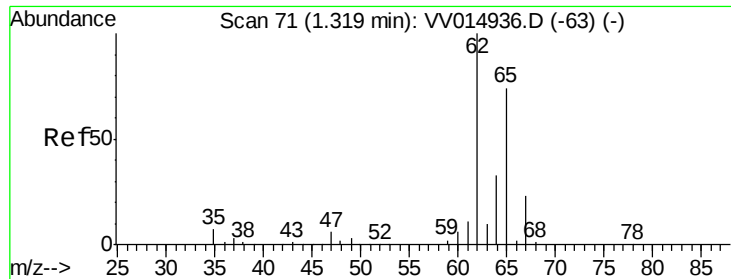
52 31.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV014934.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014934.D (-42) (-)





#5

Vinyl chloride

Concen: 4.74 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

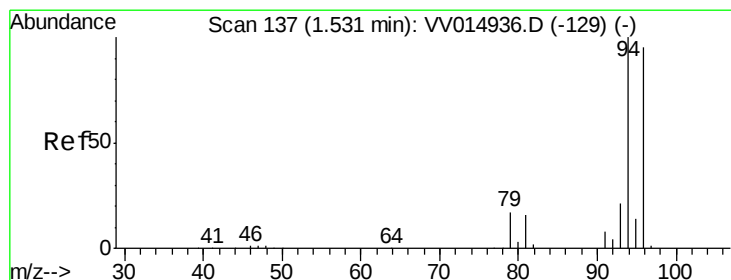
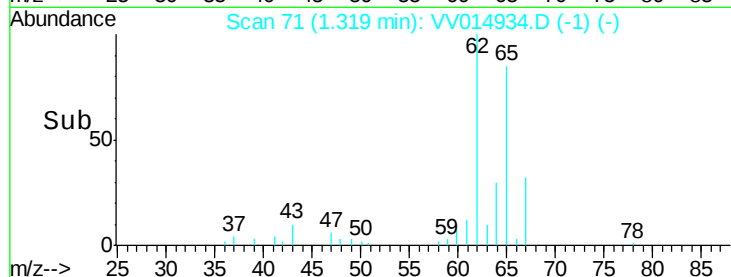
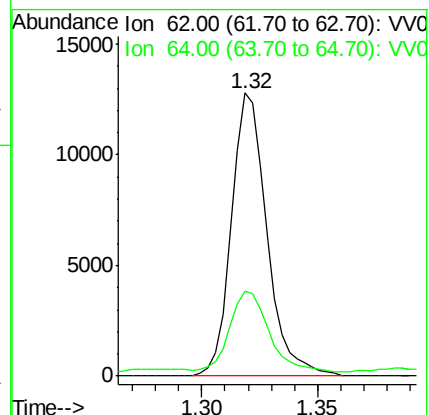
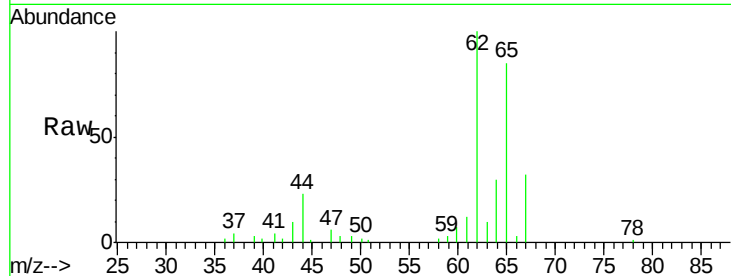
VSTD00563

Tgt Ion: 62 Resp: 13549

Ion Ratio Lower Upper

62 100

64 30.2 23.0 42.8



#6

Bromomethane

Concen: 4.59 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014934.D

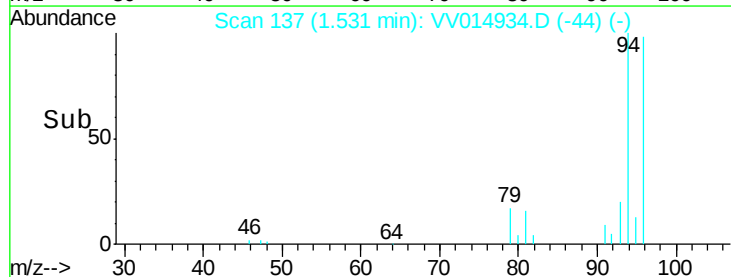
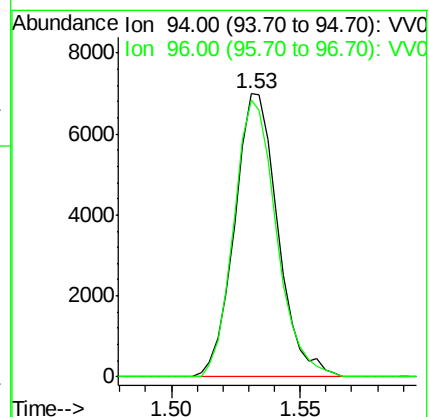
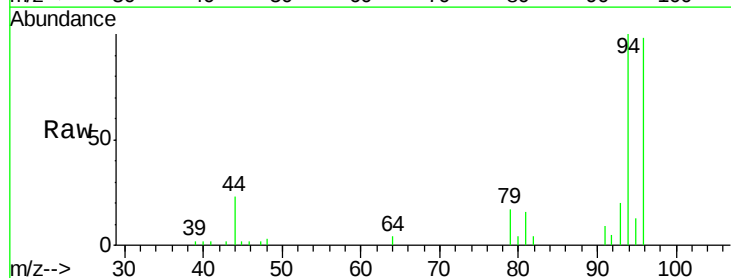
Acq: 16 Mar 2020 09:41

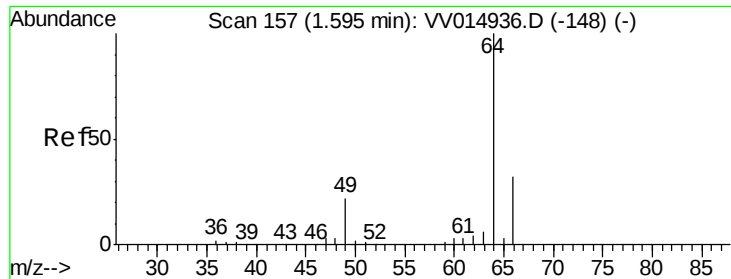
Tgt Ion: 94 Resp: 8191

Ion Ratio Lower Upper

94 100

96 98.0 66.8 124.0

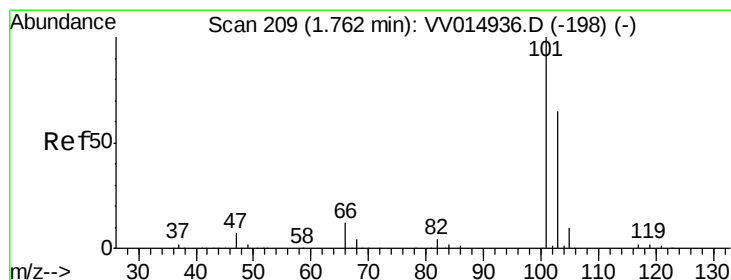
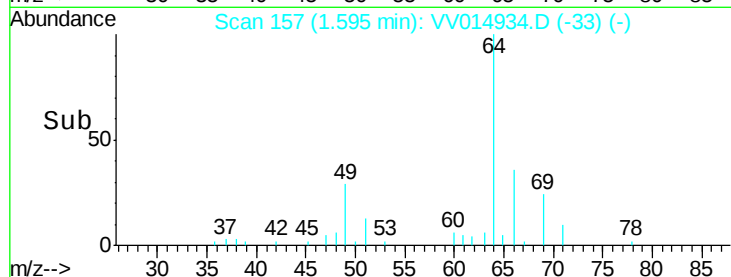
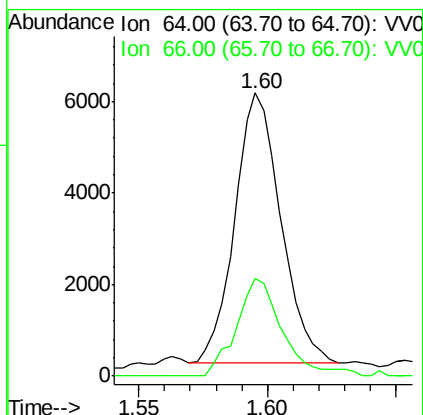
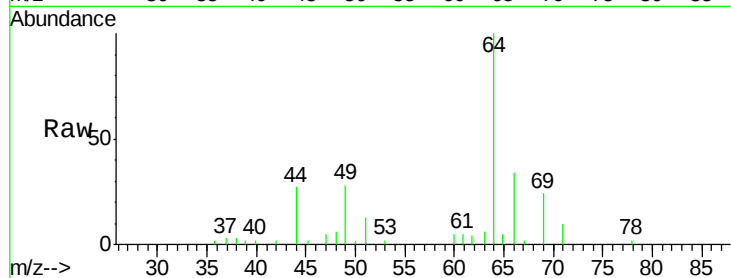




#8
Chloroethane
Concen: 4.82 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

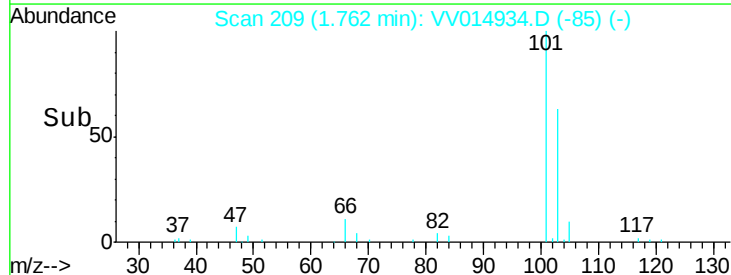
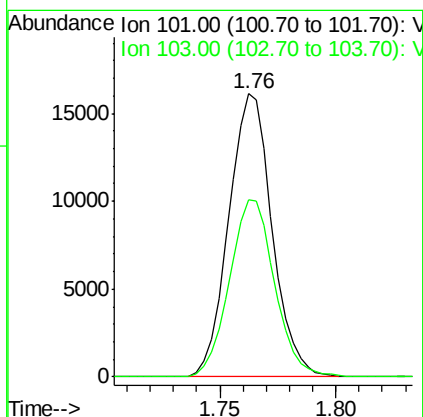
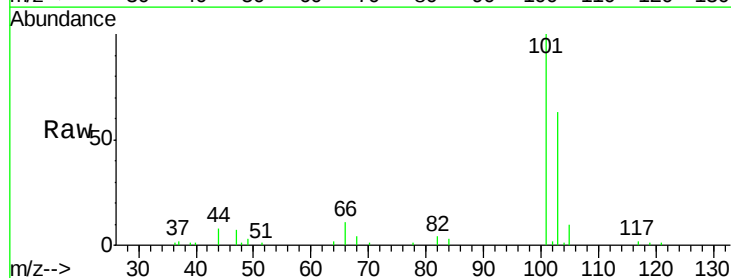
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

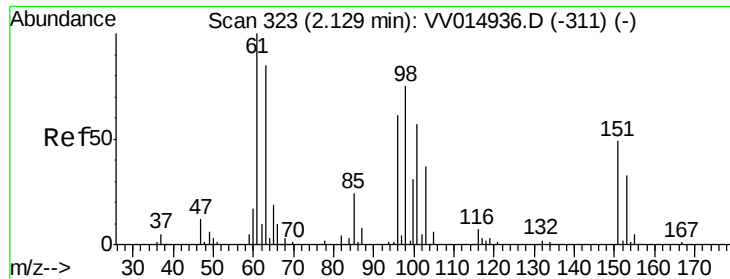
Tgt Ion: 64 Resp: 7383
Ion Ratio Lower Upper
64 100
66 34.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.28 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion: 101 Resp: 20866
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9





#10

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

Concen: 5.40 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

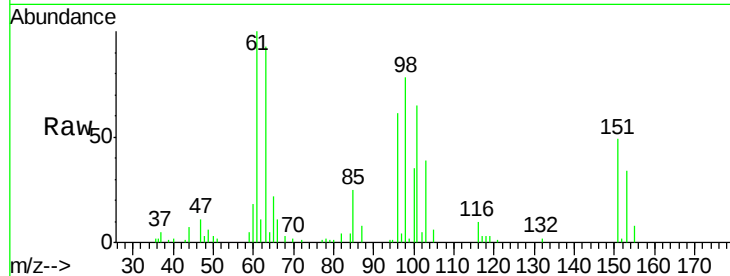
Tgt Ion:101 Resp: 10927

Ion Ratio Lower Upper

101 100

85 40.4 33.9 50.9

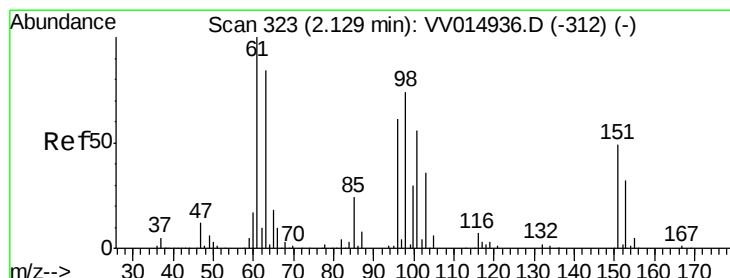
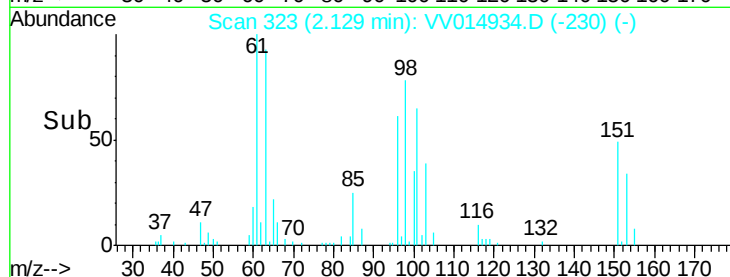
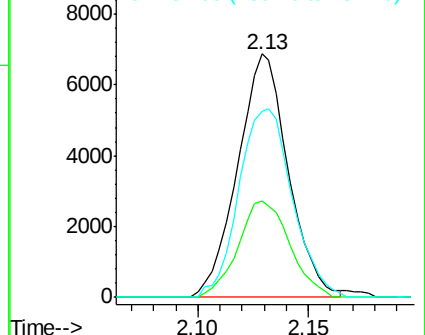
151 82.0 70.1 105.1



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: 4.92 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

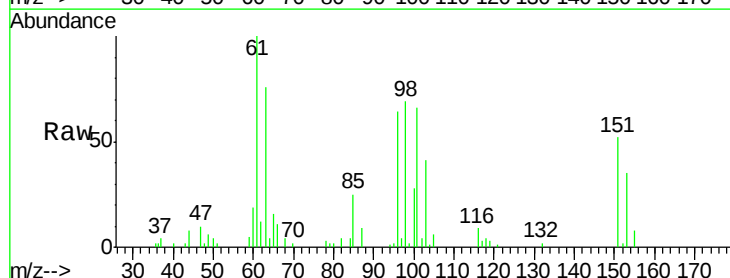
Tgt Ion: 96 Resp: 9588

Ion Ratio Lower Upper

96 100

61 156.0 115.7 214.9

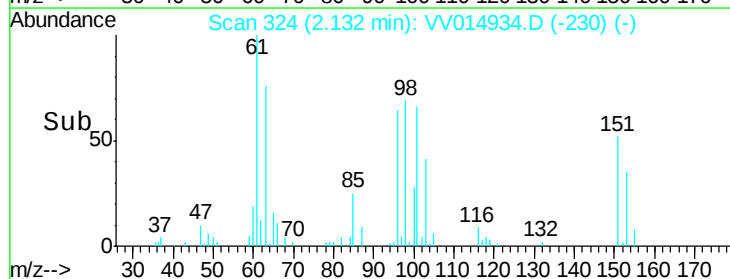
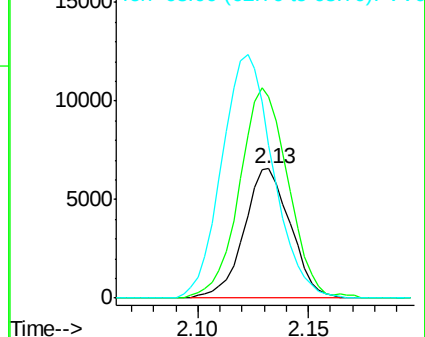
63 118.2 99.2 184.2

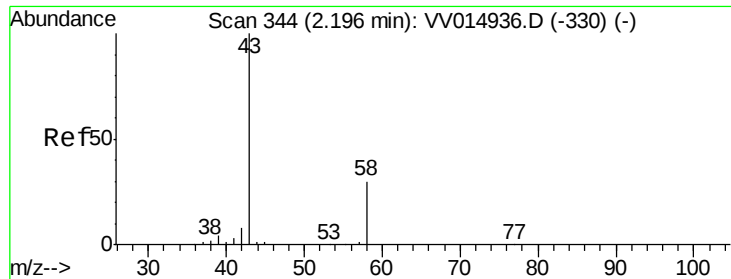


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.48 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

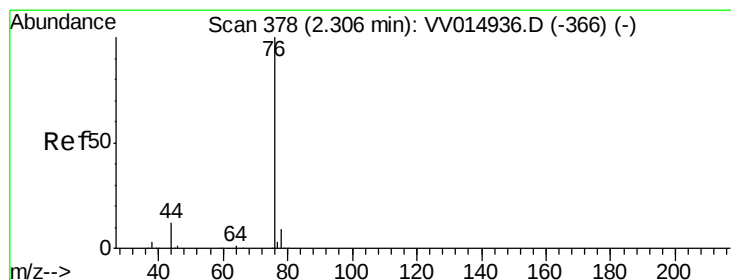
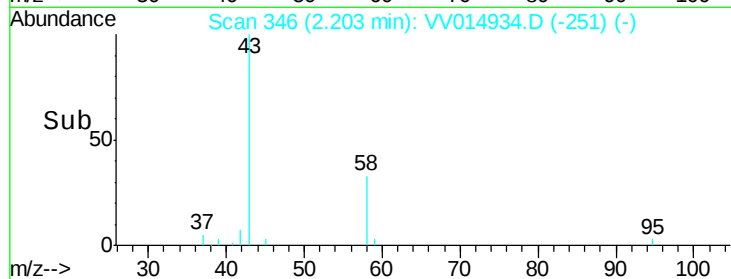
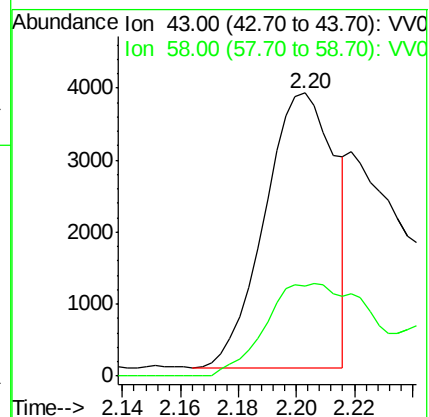
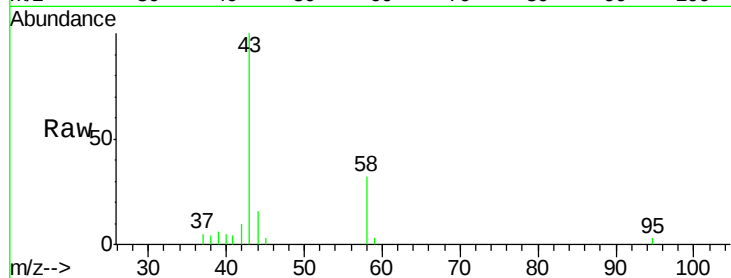
VSTD00563

Tgt Ion: 43 Resp: 6476

Ion Ratio Lower Upper

43 100

58 34.9 0.0 51.6



#14

Carbon disulfide

Concen: 4.64 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV014934.D

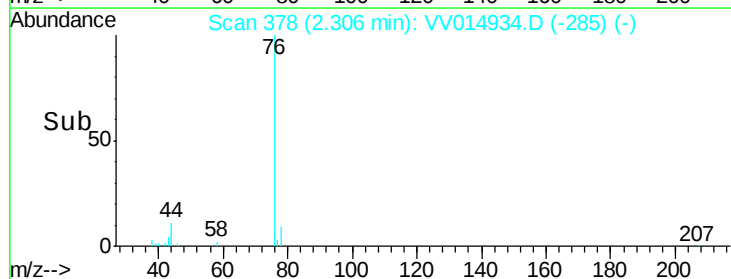
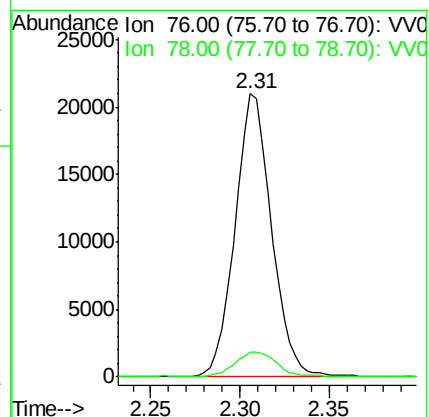
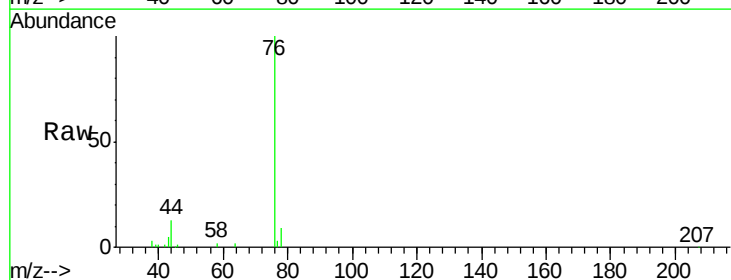
Acq: 16 Mar 2020 09:41

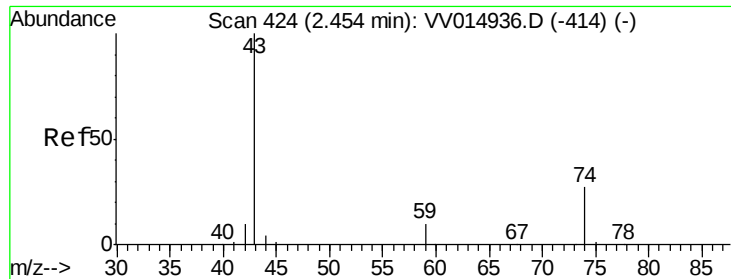
Tgt Ion: 76 Resp: 29852

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

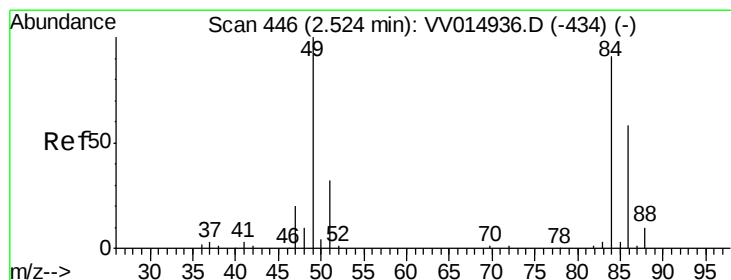
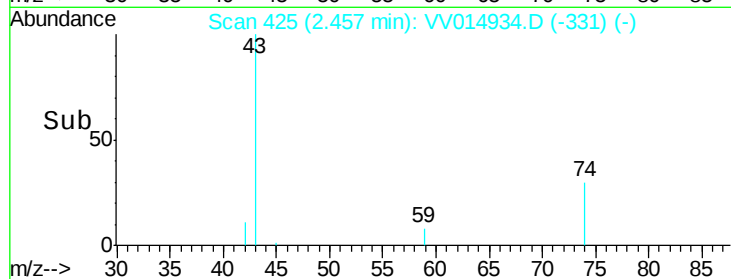
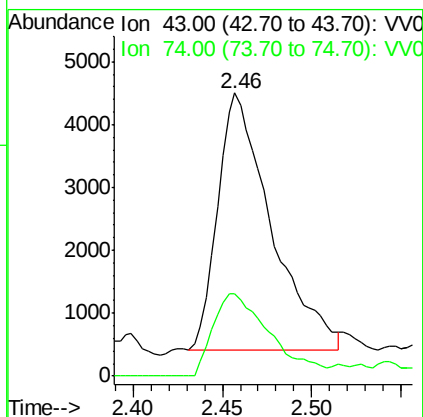
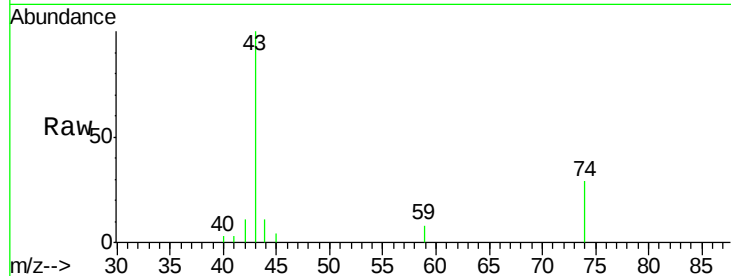




#15
Methyl Acetate
Concen: 3.13 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

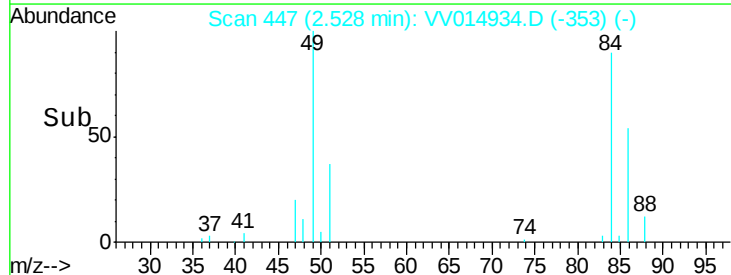
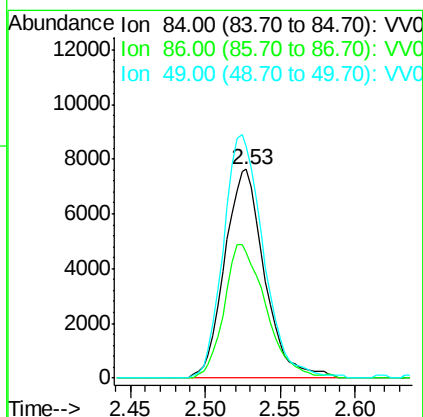
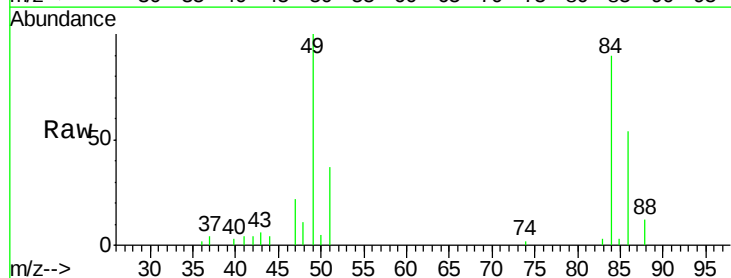
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

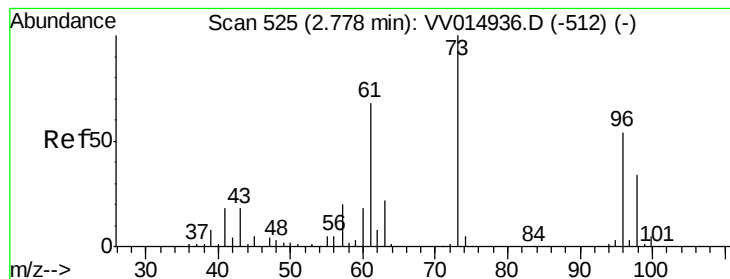
Tgt Ion: 43 Resp: 8474
Ion Ratio Lower Upper
43 100
74 34.3 22.4 33.6#



#16
Methylene chloride
Concen: 5.22 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion: 84 Resp: 14162
Ion Ratio Lower Upper
84 100
86 60.0 44.6 82.8
49 110.9 76.9 142.9





#17

trans-1,2-Dichloroethene

Concen: 5.39 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

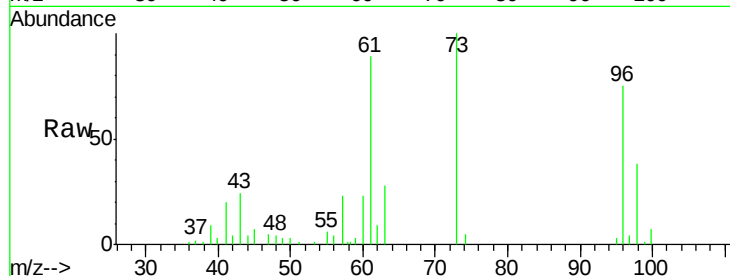
Tgt Ion: 96 Resp: 13292

Ion Ratio Lower Upper

96 100

61 118.6 87.9 163.3

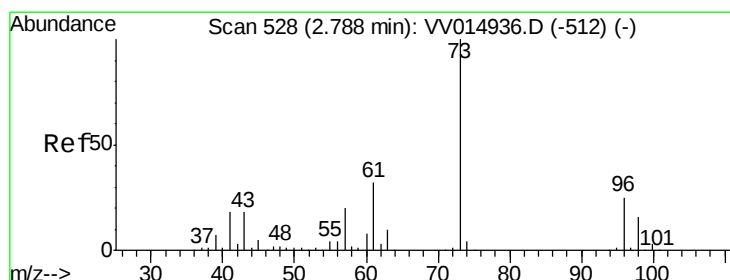
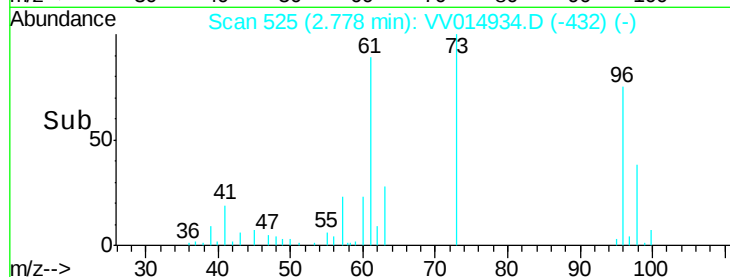
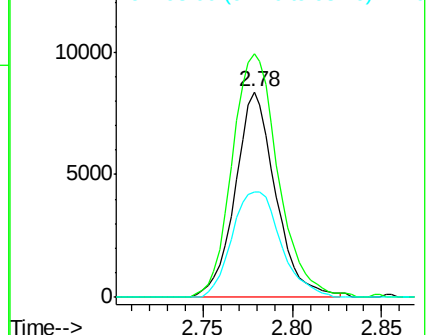
98 51.2 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV014936.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV014936.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV014936.D (-512) (-)



#18

Methyl tert-butyl Ether

Concen: 5.09 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

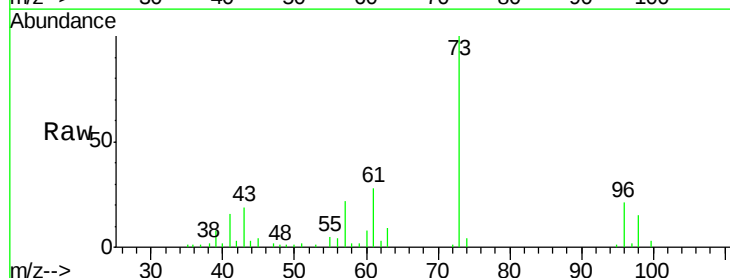
Tgt Ion: 73 Resp: 40943

Ion Ratio Lower Upper

73 100

43 18.6 14.4 21.6

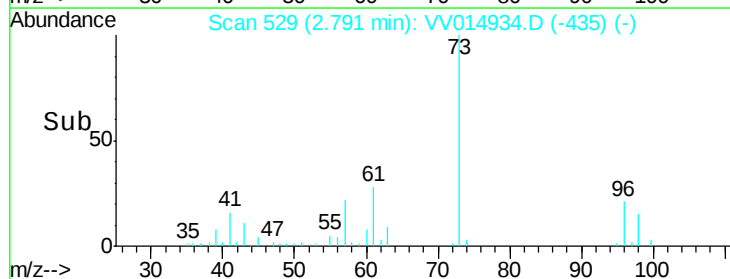
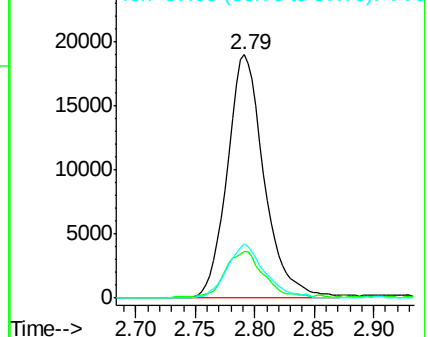
57 22.2 16.0 24.0

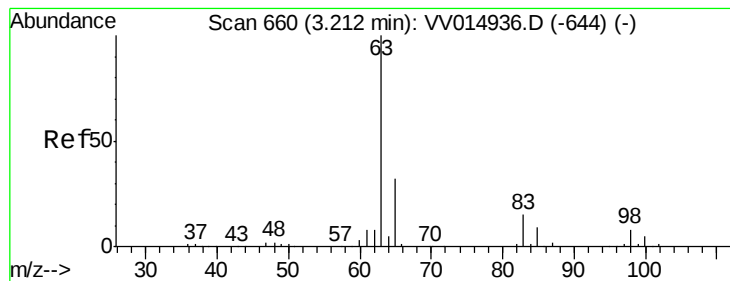


Abundance Ion 73.00 (72.70 to 73.70): VV014934.D (-435) (-)

Ion 43.00 (42.70 to 43.70): VV014934.D (-435) (-)

Ion 57.00 (56.70 to 57.70): VV014934.D (-435) (-)





#19

1,1-Dichloroethane

Concen: 4.96 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampled :

VSTD00563

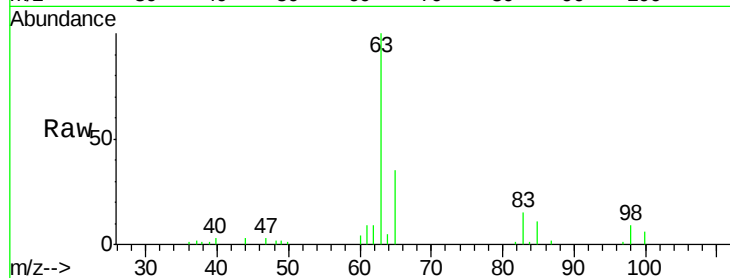
Tgt Ion: 63 Resp: 23502

Ion Ratio Lower Upper

63 100

65 35.2 22.7 42.3

83 15.5 10.4 19.2

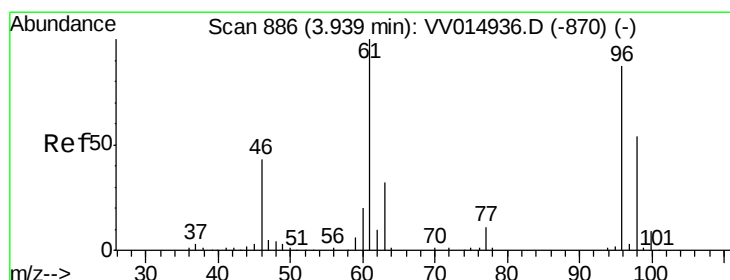
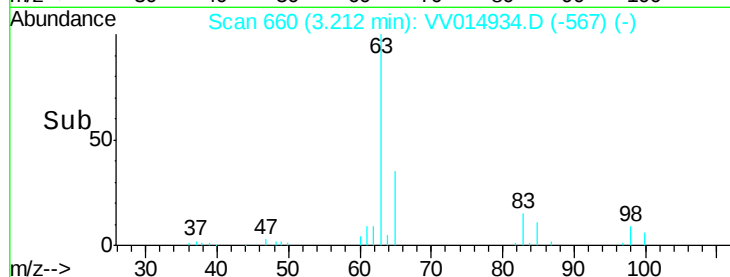


Abundance Ion 63.00 (62.70 to 63.70): VV014934.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV014934.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV014934.D (-644) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 5.38 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

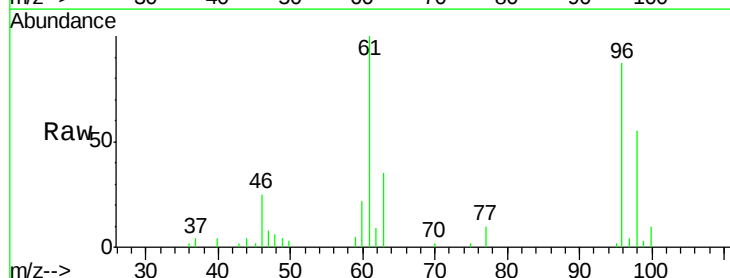
Tgt Ion: 96 Resp: 14905

Ion Ratio Lower Upper

96 100

61 114.6 80.2 149.0

68 0.0 0.0 0.0

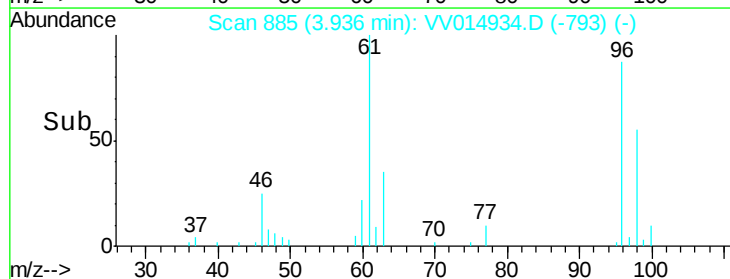


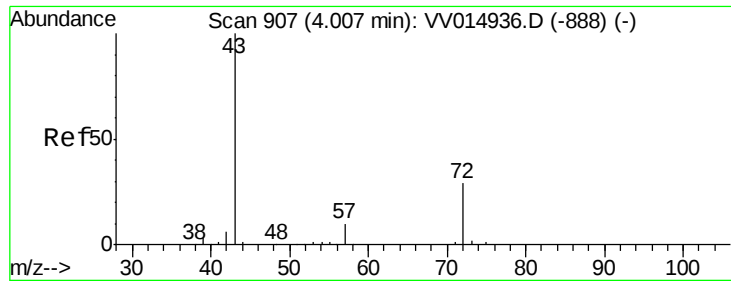
Abundance Ion 96.00 (95.70 to 96.70): VV014934.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV014934.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV014934.D (-793) (-)

Time-->





#22

2-Butanone

Concen: 4.40 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.03 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

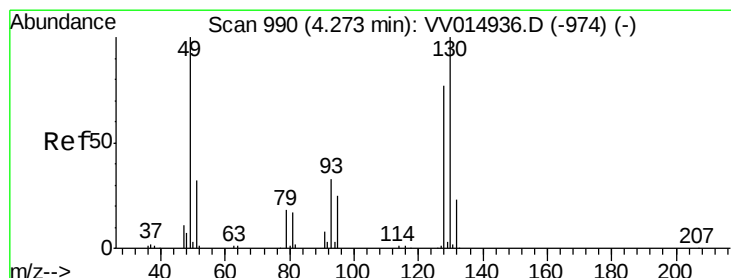
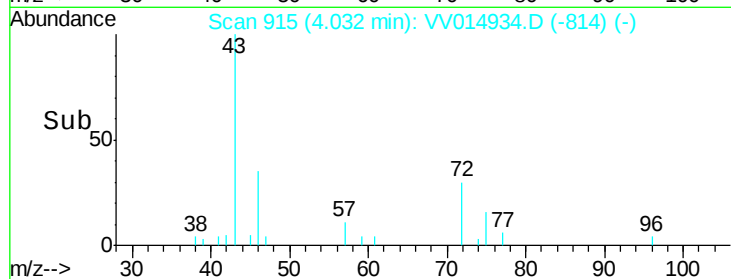
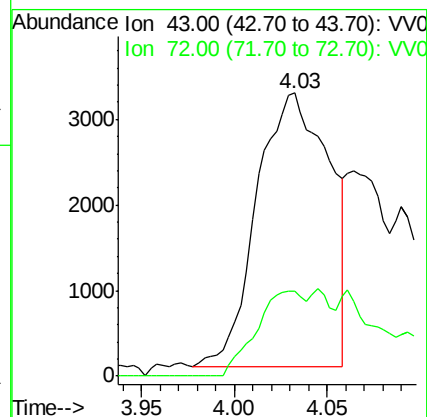
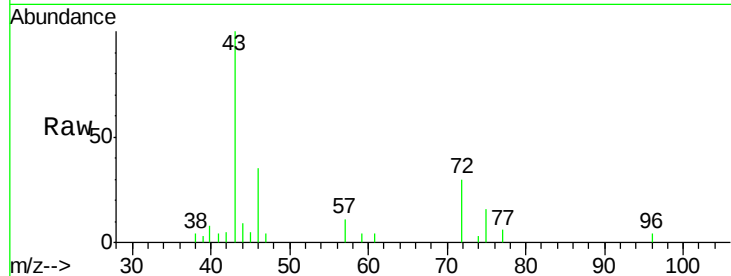
VSTD00563

Tgt Ion: 43 Resp: 8672

Ion Ratio Lower Upper

43 100

72 20.9 10.9 32.6



#23

Bromochloromethane

Concen: 5.61 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Tgt Ion: 128 Resp: 7990

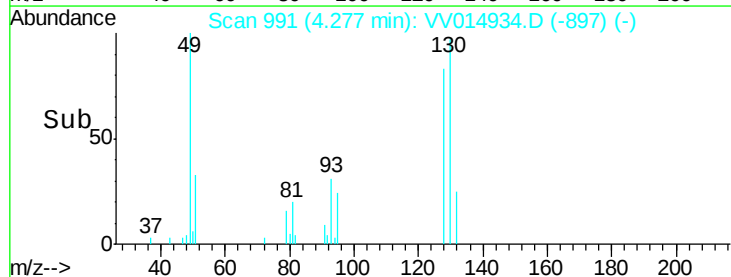
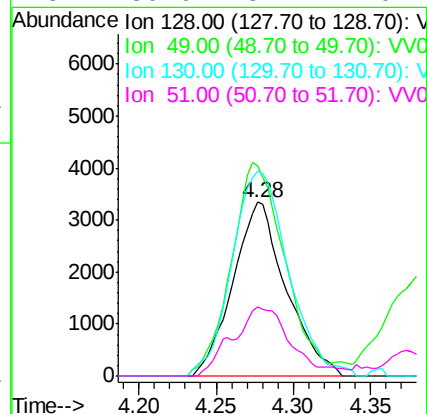
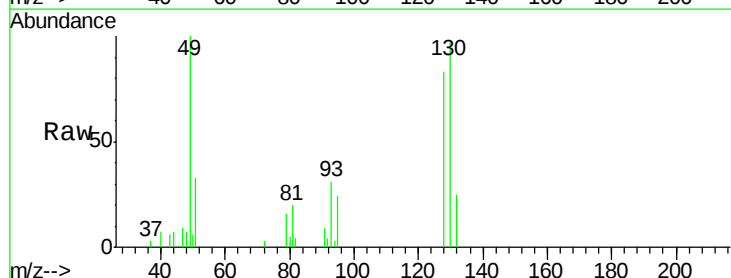
Ion Ratio Lower Upper

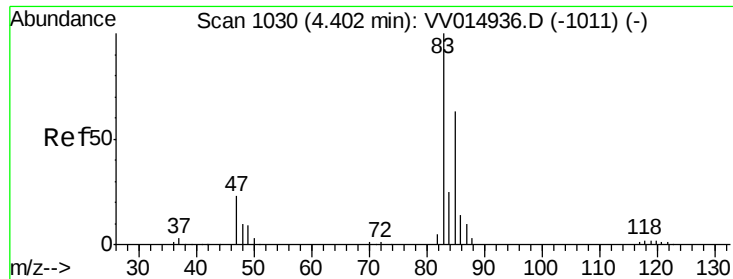
128 100

49 120.8 90.4 167.8

130 117.7 90.4 168.0

51 39.9 32.7 49.1

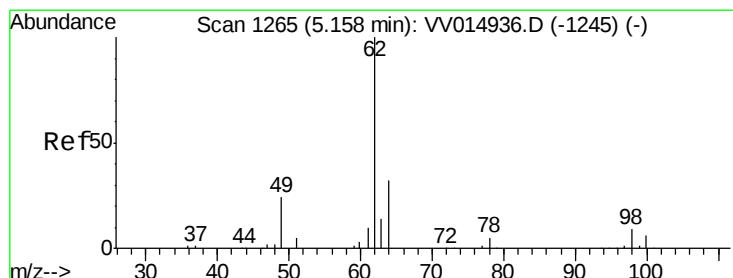
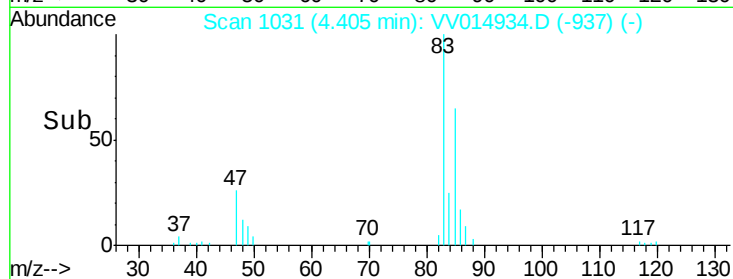
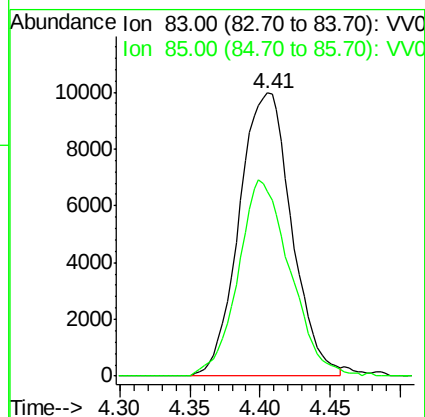
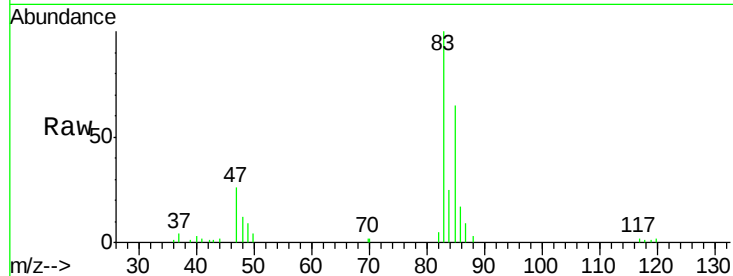




#25
Chloroform
Concen: 5.25 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

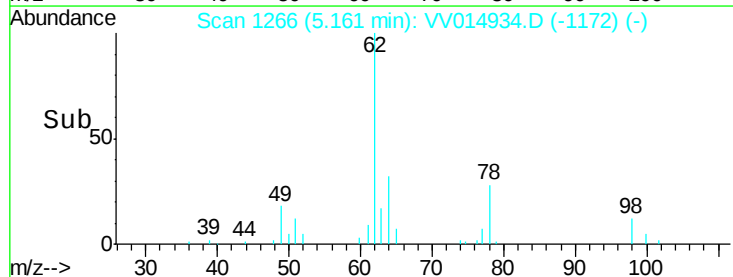
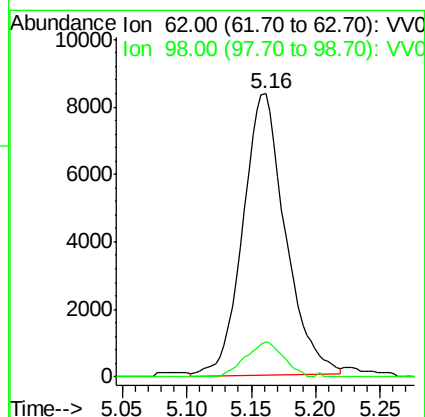
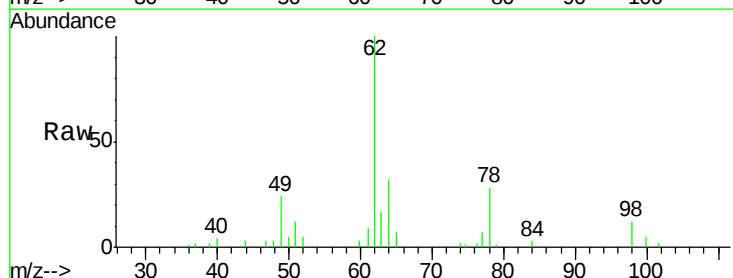
Instrument :
MSVOA_V
ClientSampled :
VSTD00563

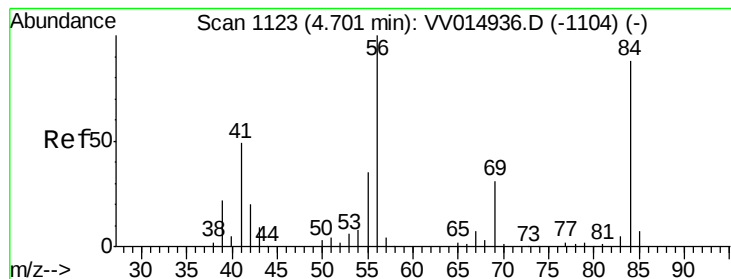
Tgt Ion: 83 Resp: 25954
Ion Ratio Lower Upper
83 100
85 65.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.97 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion: 62 Resp: 19141
Ion Ratio Lower Upper
62 100
98 12.4 7.4 11.0#





#29

Cyclohexane

Concen: 4.89 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

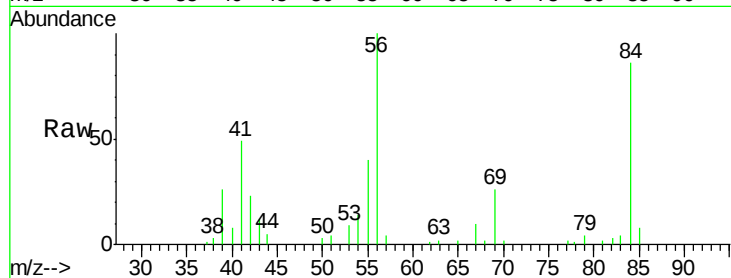
Tgt Ion: 56 Resp: 20230

Ion Ratio Lower Upper

56 100

69 30.0 25.2 37.8

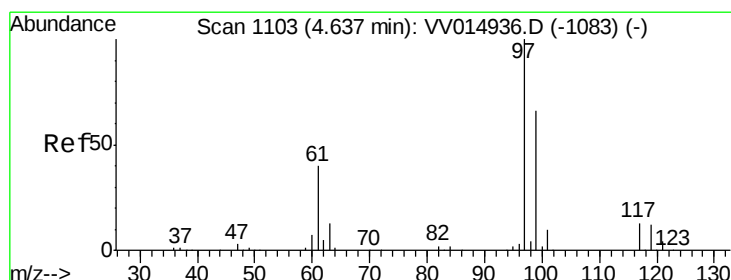
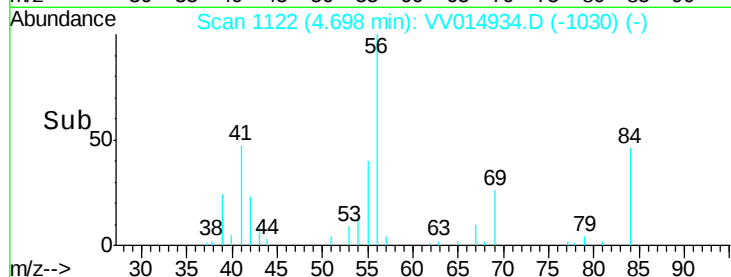
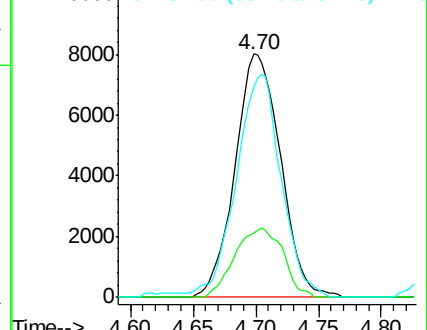
84 90.7 76.4 114.6



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: 5.66 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

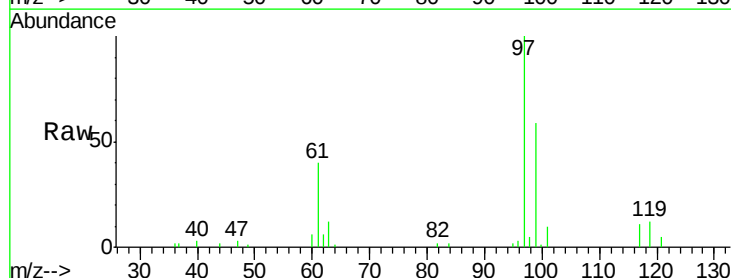
Tgt Ion: 97 Resp: 23258

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

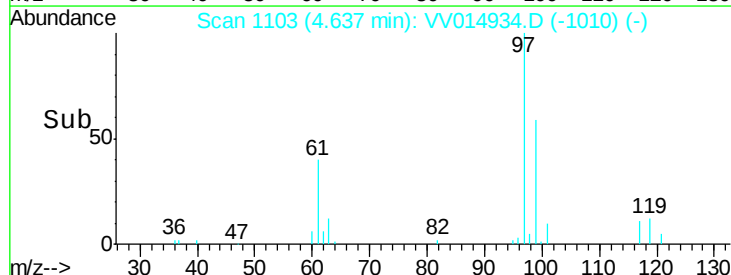
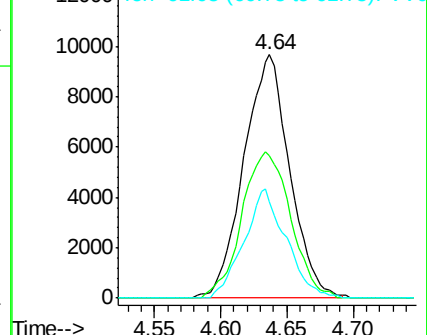
61 40.9 32.0 48.0

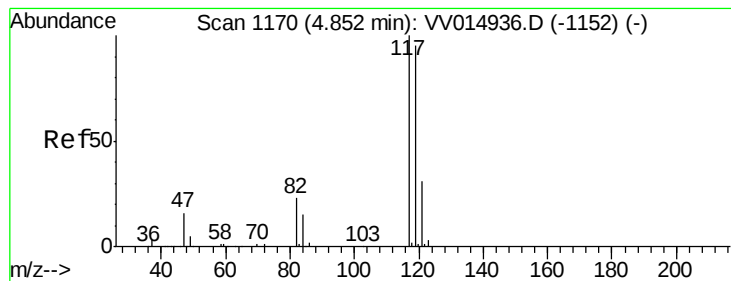


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.68 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

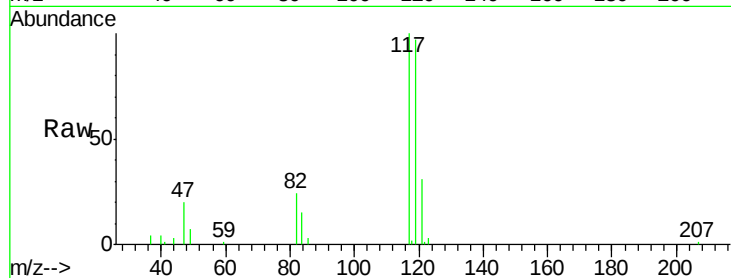
VSTD00563

Tgt Ion:117 Resp: 20043

Ion Ratio Lower Upper

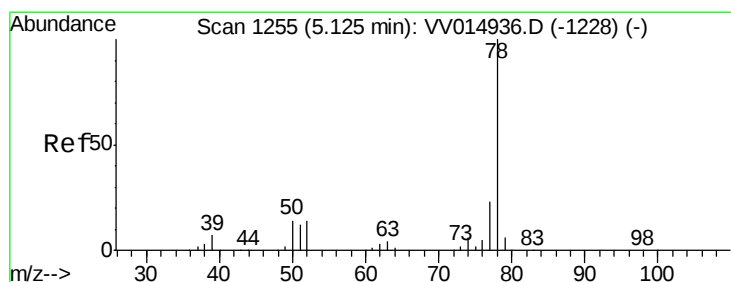
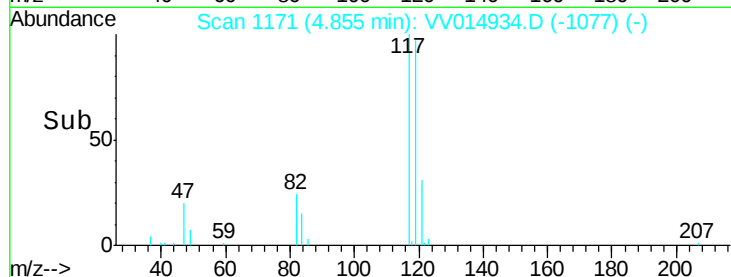
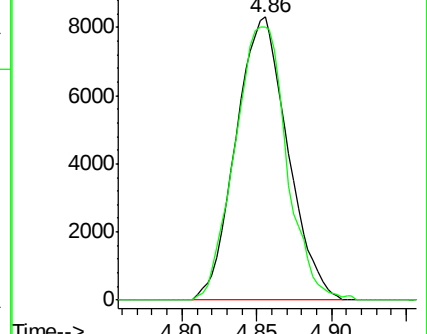
117 100

119 96.3 75.9 113.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.33 ug/L

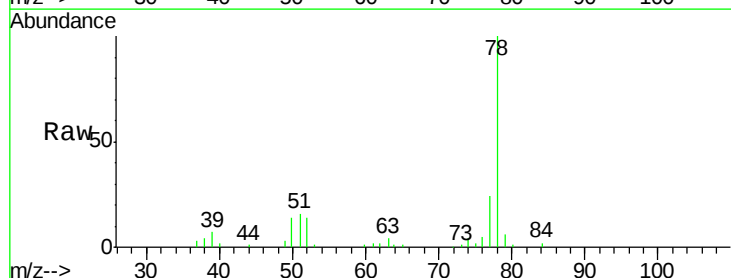
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

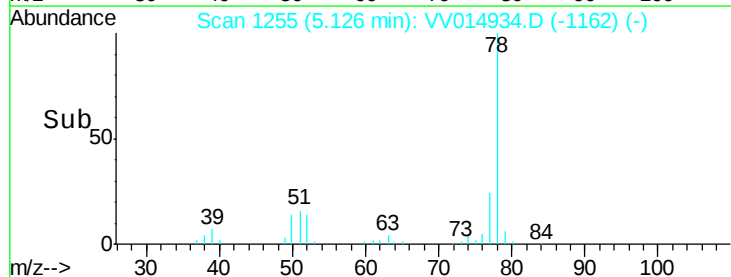
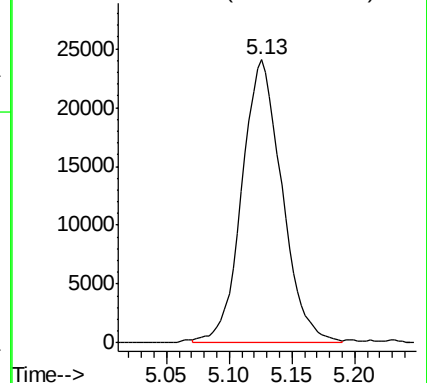
Lab File: VV014934.D

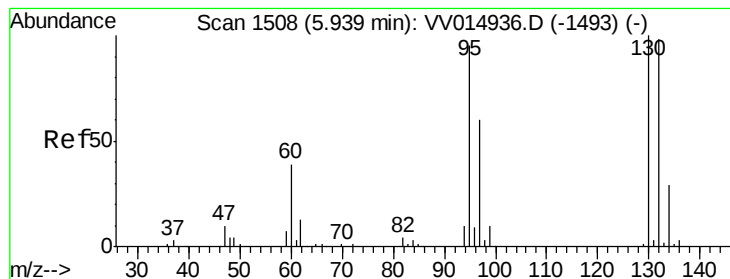
Acq: 16 Mar 2020 09:41

Tgt Ion: 78 Resp: 53659



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.51 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 14562

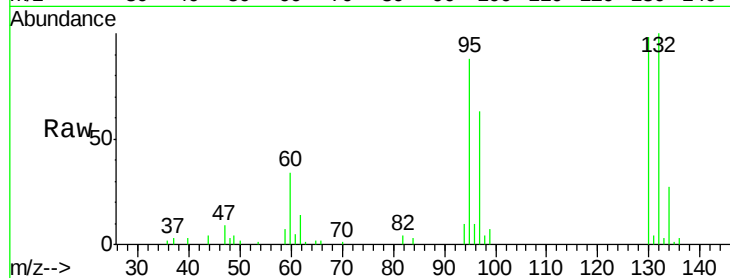
Ion Ratio Lower Upper

95 100

97 72.3 44.4 82.4

132 114.0 72.4 134.4

130 111.2 74.1 137.5

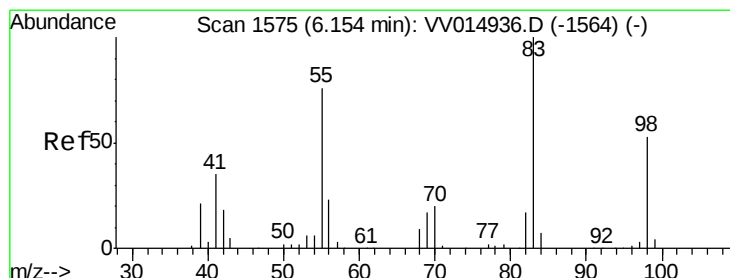
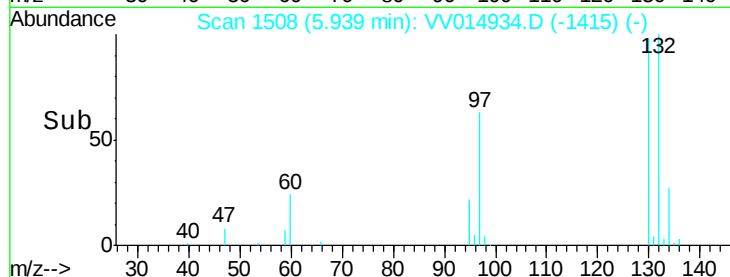
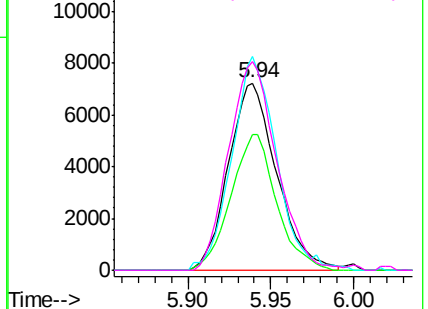


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.29 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

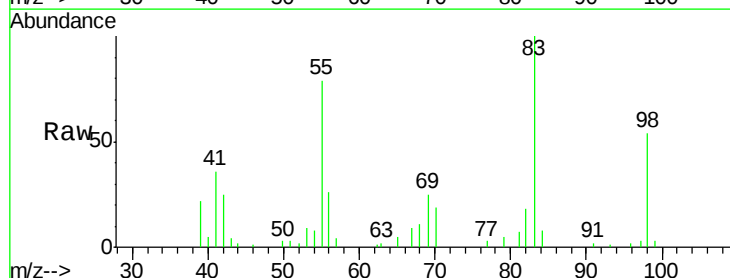
Tgt Ion: 83 Resp: 23035

Ion Ratio Lower Upper

83 100

55 71.6 57.5 86.3

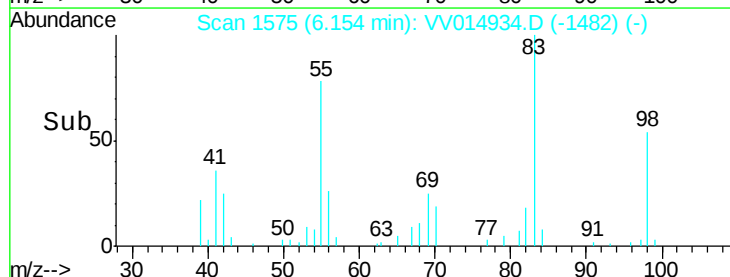
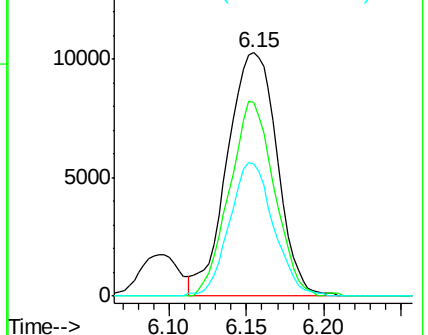
98 46.6 39.5 59.3

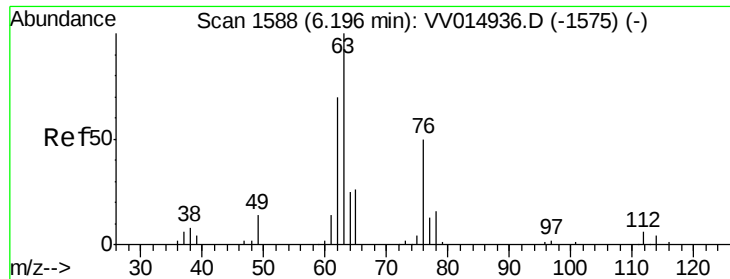


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

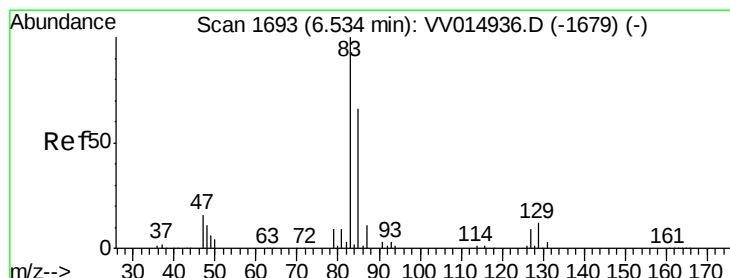
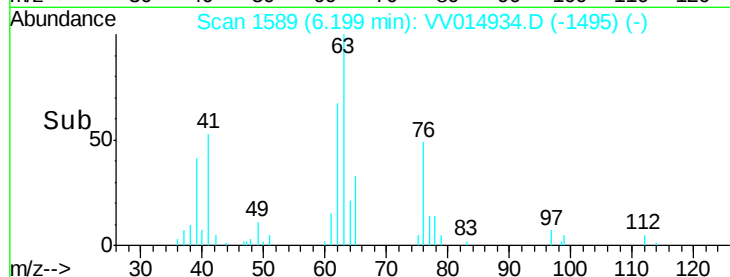
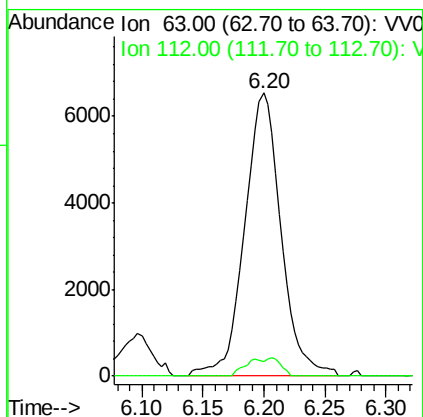
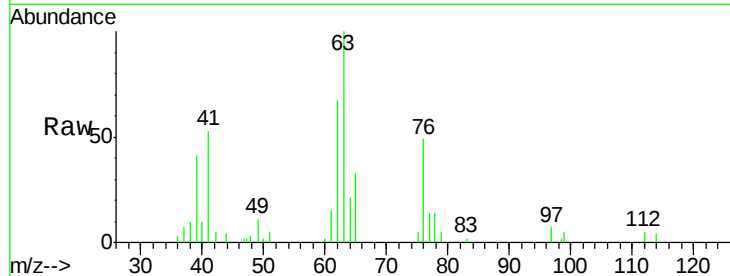




#37
 1,2-Dichloropropane
 Concen: 5.05 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

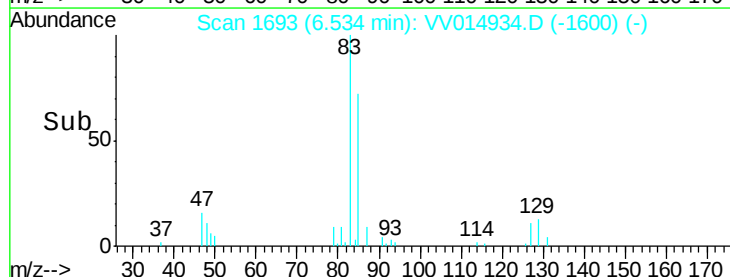
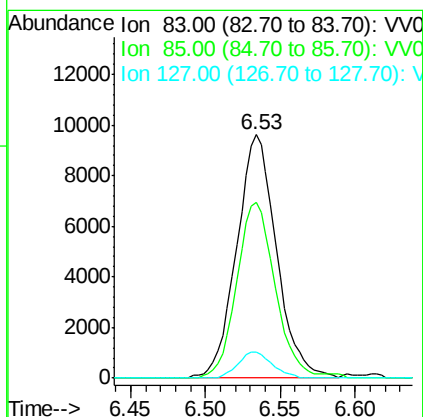
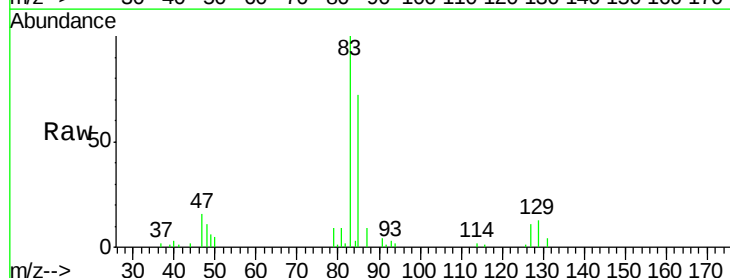
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

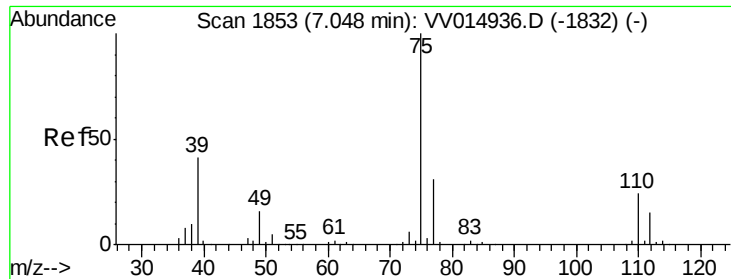
Tgt Ion: 63 Resp: 13452
 Ion Ratio Lower Upper
 63 100
 112 2.6 4.4 6.6#



#38
 Bromodichloromethane
 Concen: 5.11 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Tgt Ion: 83 Resp: 17824
 Ion Ratio Lower Upper
 83 100
 85 72.0 46.0 85.4
 127 10.8 7.5 11.3

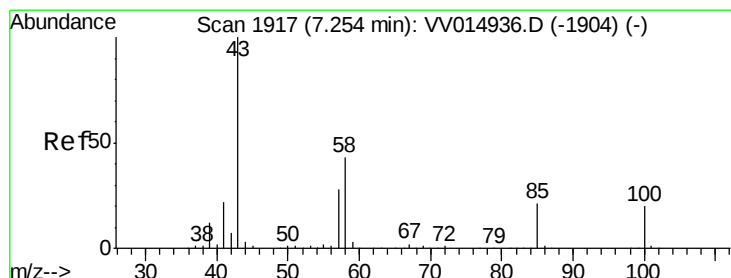
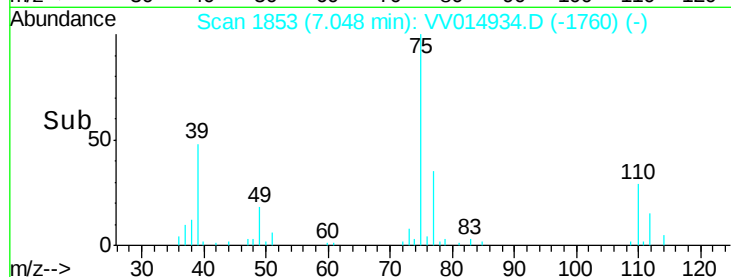
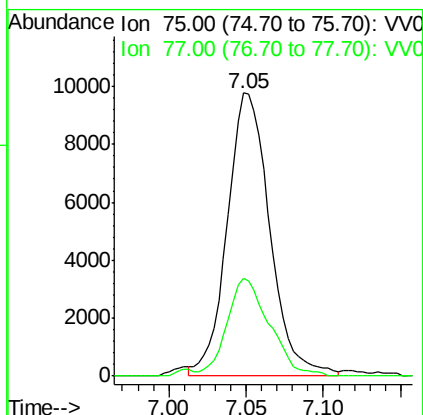
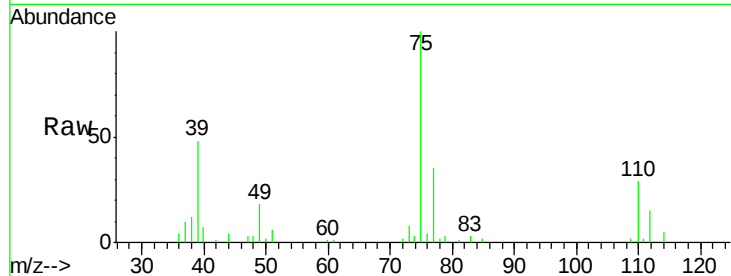




#39
 cis-1,3-Dichloropropene
 Concen: 4.37 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

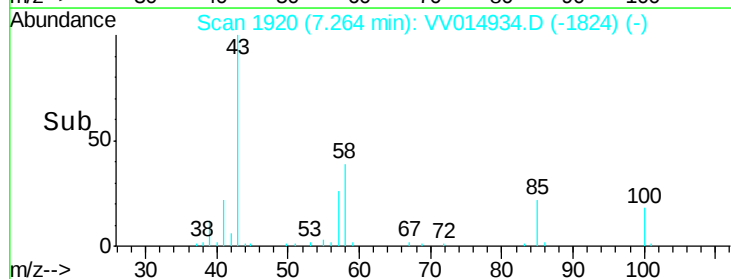
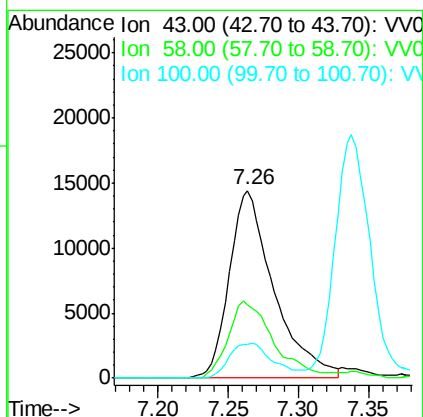
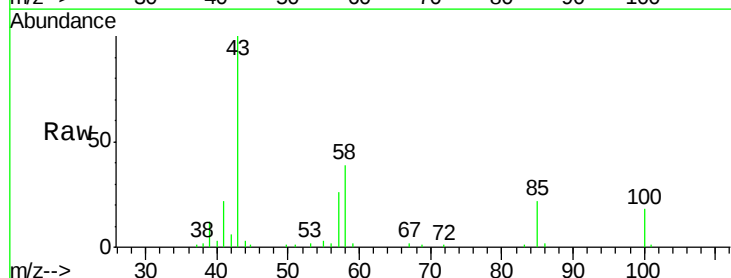
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00563

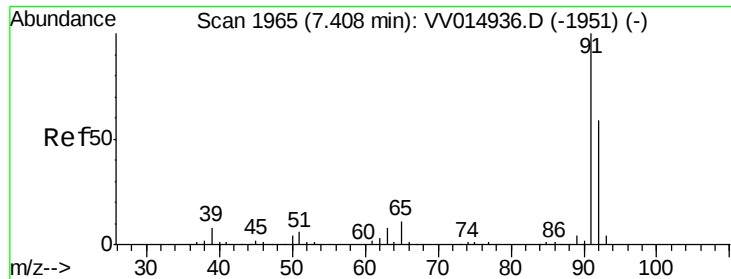
Tgt Ion: 75 Resp: 18718
 Ion Ratio Lower Upper
 75 100
 77 34.6 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 8.31 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.01 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Tgt Ion: 43 Resp: 31964
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.9 50.9
 100 18.0 15.1 22.7





#42

Toluene

Concen: 5.24 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

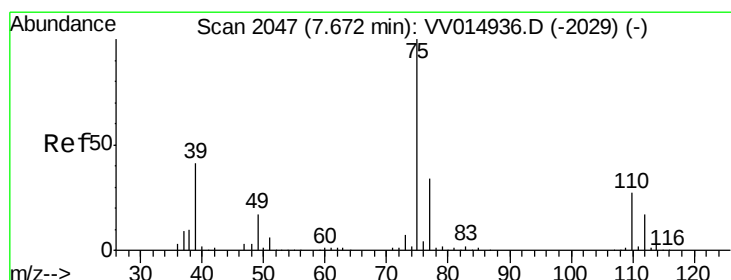
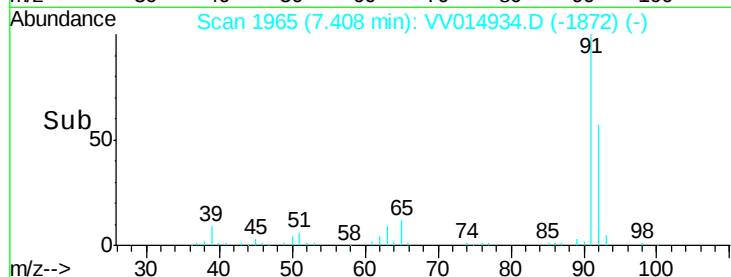
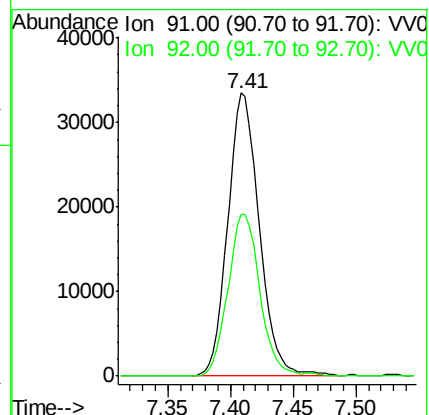
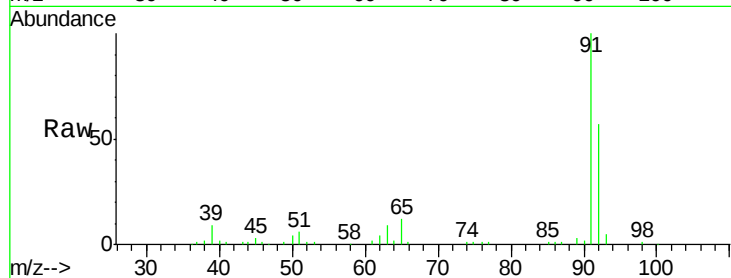
VSTD00563

Tgt Ion: 91 Resp: 58538

Ion Ratio Lower Upper

91 100

92 57.2 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 4.39 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014934.D

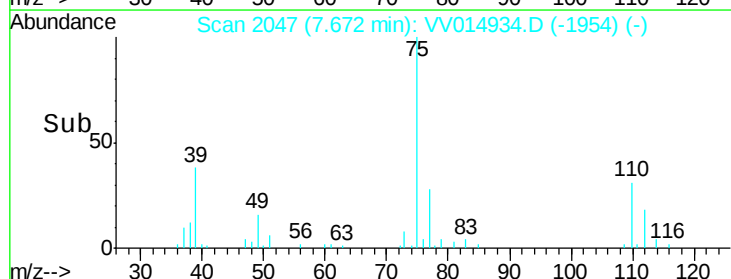
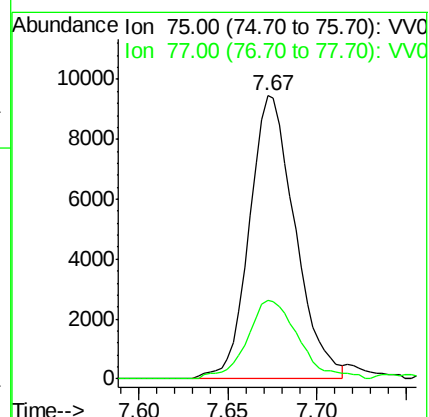
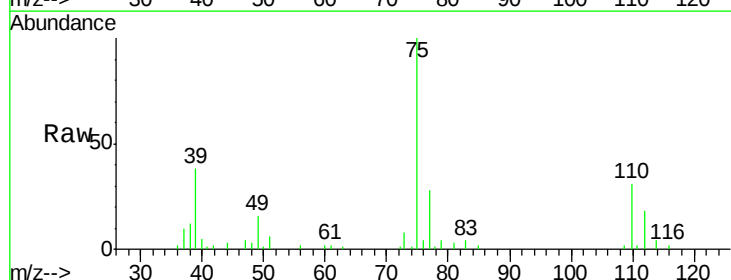
Acq: 16 Mar 2020 09:41

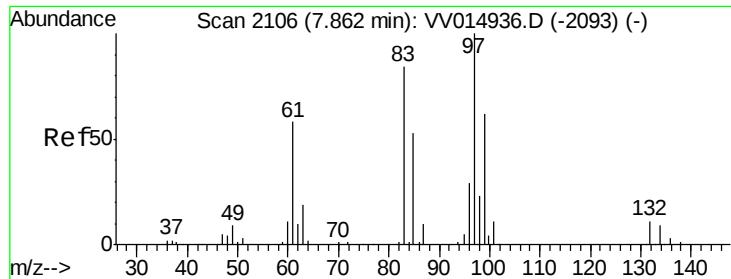
Tgt Ion: 75 Resp: 16923

Ion Ratio Lower Upper

75 100

77 27.8 23.5 43.7

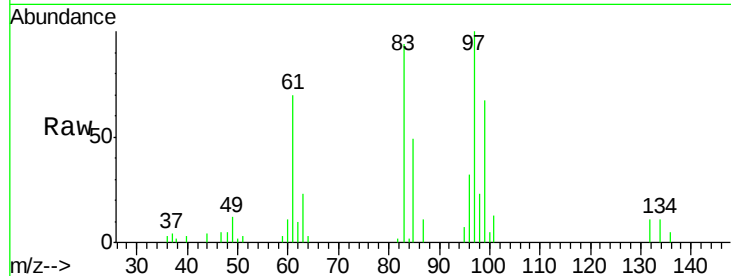




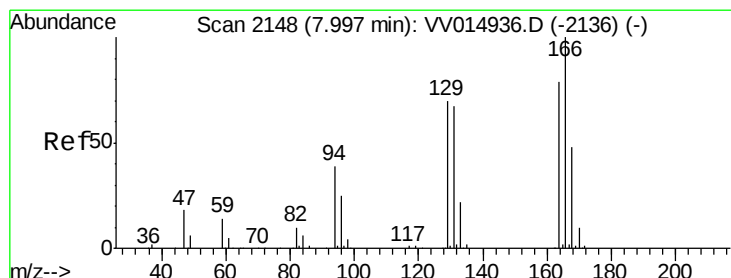
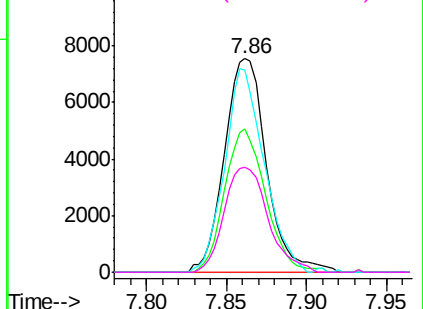
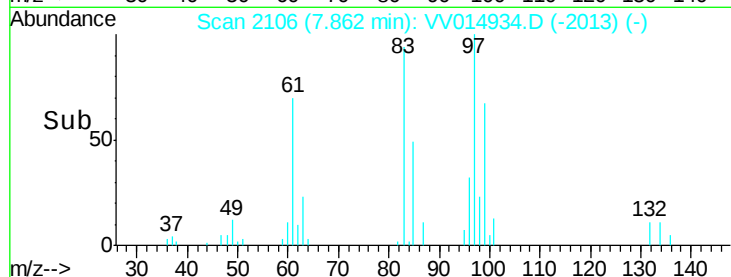
#45
 1,1,2-Trichloroethane
 Concen: 5.34 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	13539
Ion	Ratio	Lower	Upper
97	100		
99	67.1	43.7	81.1
83	94.5	58.6	108.8
85	49.4	37.0	68.6

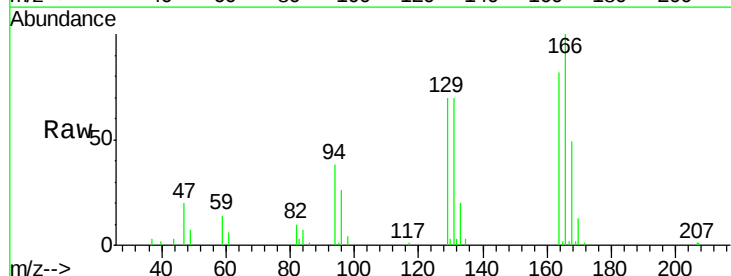


Abundance Ion 97.00 (96.70 to 97.70): VV014934.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV014934.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV014934.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV014934.D (-2093) (-)

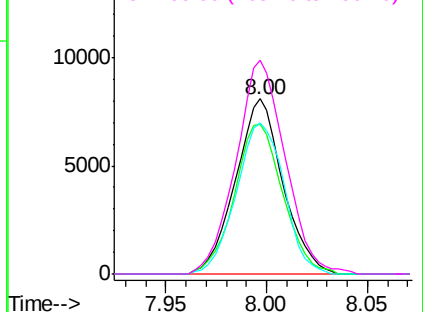
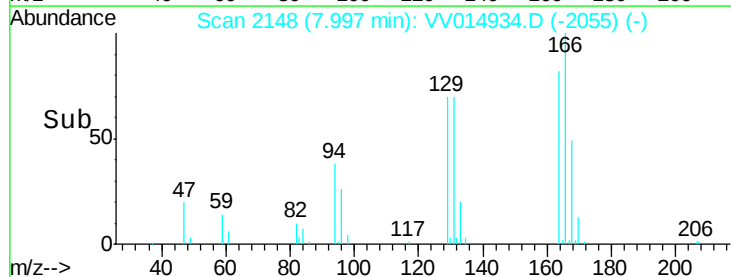


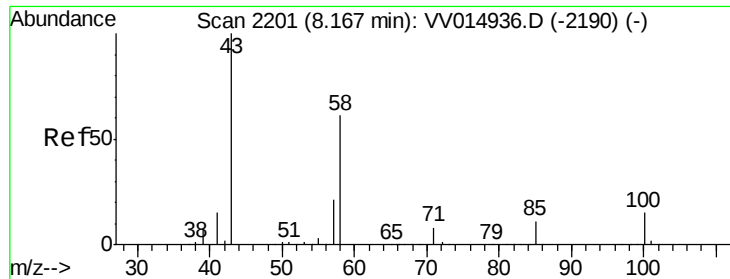
#46
 Tetrachloroethene
 Concen: 5.98 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Tgt Ion:	164	Resp:	13337
Ion	Ratio	Lower	Upper
164	100		
129	85.7	62.0	115.2
131	86.0	59.5	110.5
166	122.0	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VV014934.D (-2136) (-)
 Ion 129.00 (128.70 to 129.70): VV014934.D (-2136) (-)
 Ion 131.00 (130.70 to 131.70): VV014934.D (-2136) (-)
 Ion 166.00 (165.70 to 166.70): VV014934.D (-2136) (-)

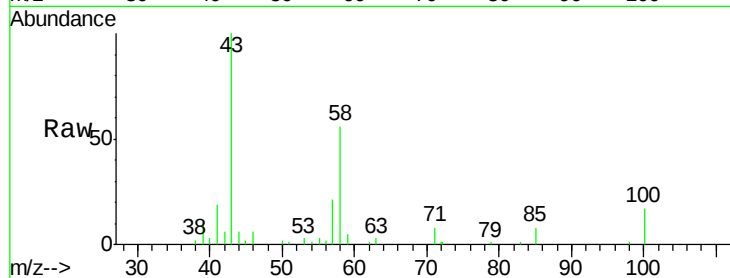




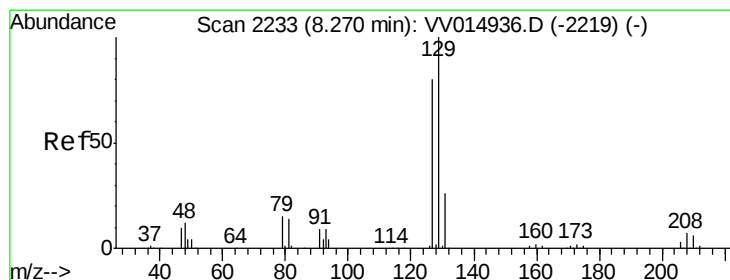
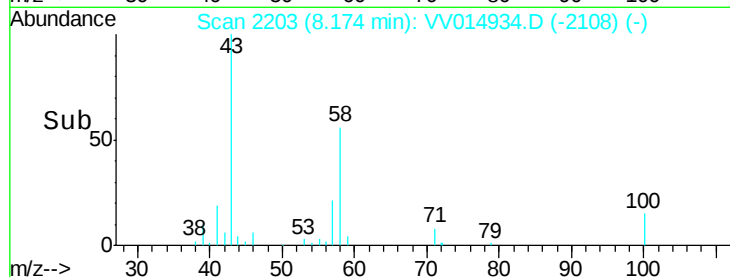
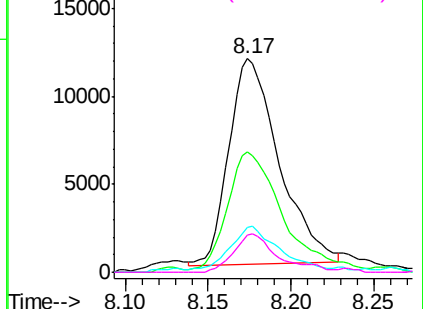
#48
2-Hexanone
Concen: 8.20 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 43 Resp: 24759
Ion Ratio Lower Upper
43 100
58 62.2 46.9 70.3
57 22.4 16.2 24.4
100 14.8 11.9 17.9

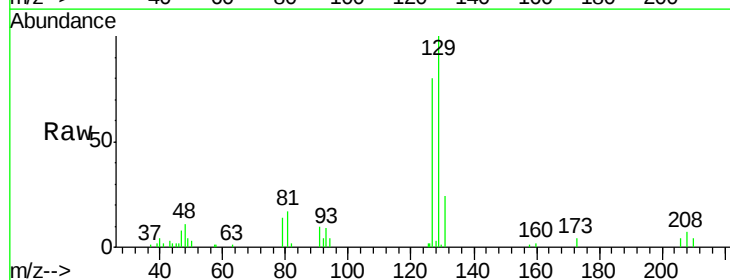


Abundance Ion 43.00 (42.70 to 43.70): VV014934.D (-2190) (-)
Ion 58.00 (57.70 to 58.70): VV014934.D (-2190) (-)
Ion 57.00 (56.70 to 57.70): VV014934.D (-2190) (-)
Ion 100.00 (99.70 to 100.70): VV014934.D (-2190) (-)

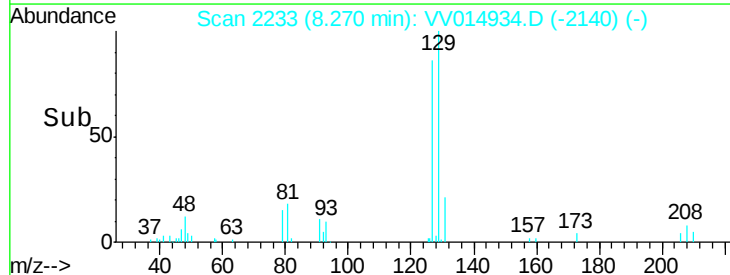
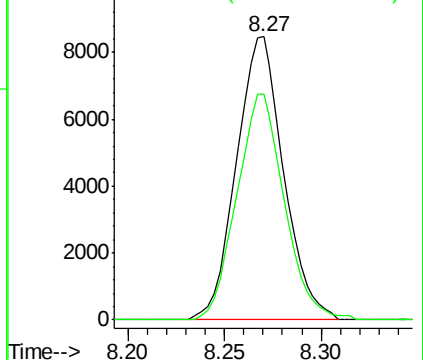


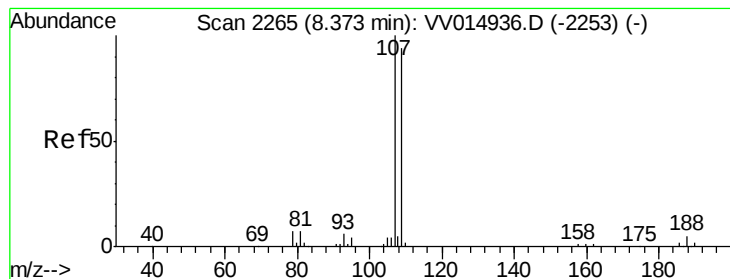
#49
Dibromochloromethane
Concen: 5.18 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion: 129 Resp: 14369
Ion Ratio Lower Upper
129 100
127 79.9 55.9 103.9



Abundance Ion 129.00 (128.70 to 129.70): VV014934.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV014934.D (-2219) (-)

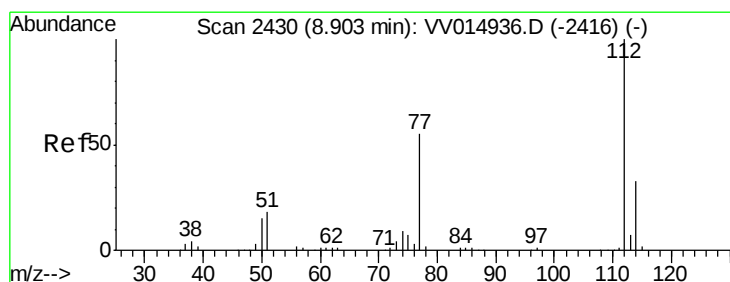
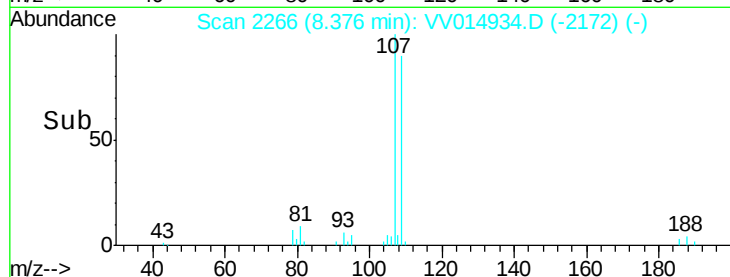
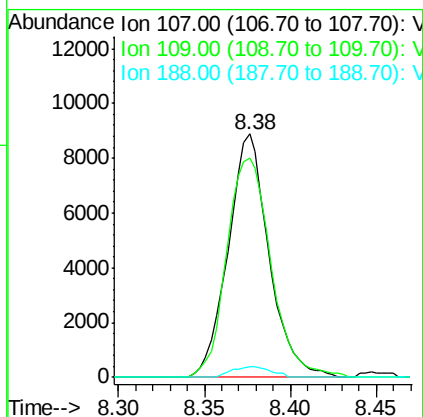
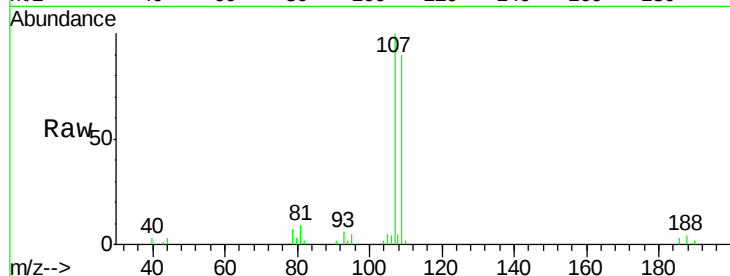




#50
1,2-Dibromoethane
Concen: 5.38 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

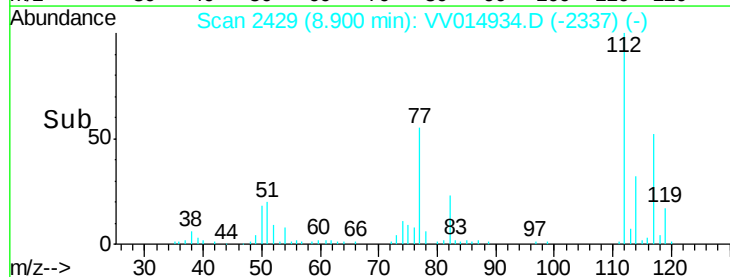
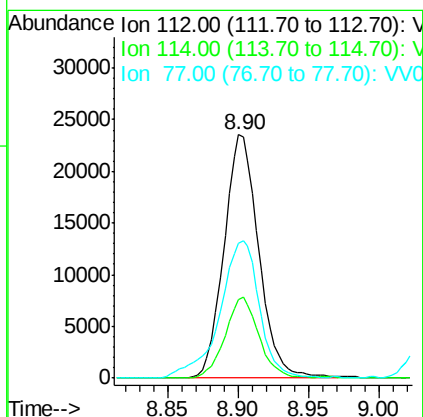
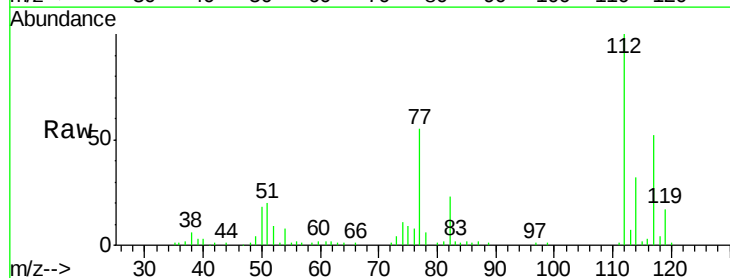
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

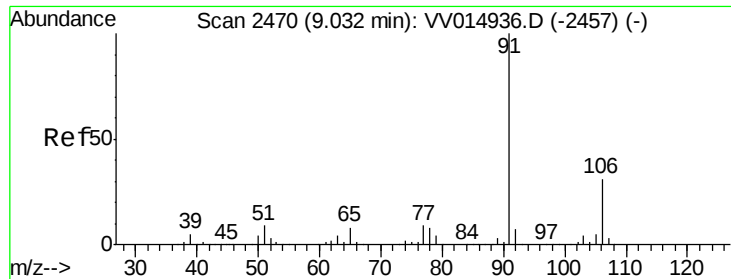
Tgt Ion:107 Resp: 14737
Ion Ratio Lower Upper
107 100
109 89.9 66.1 122.7
188 4.2 4.0 6.0



#51
Chlorobenzene
Concen: 5.57 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion:112 Resp: 40500
Ion Ratio Lower Upper
112 100
114 32.3 22.8 42.4
77 55.3 44.5 66.7





#52

Ethylbenzene

Concen: 5.14 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

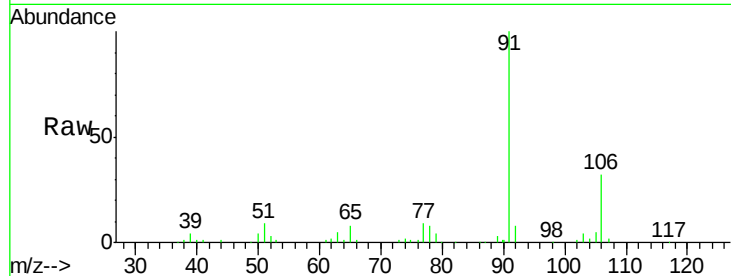
VSTD00563

Tgt Ion: 91 Resp: 64828

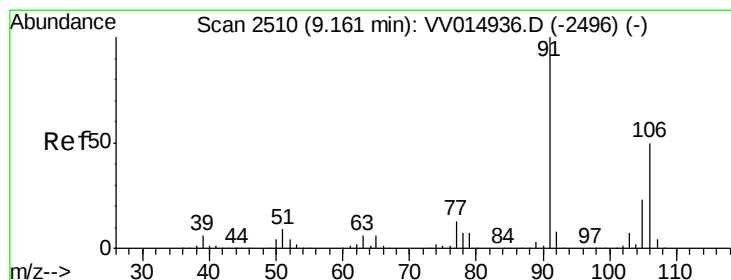
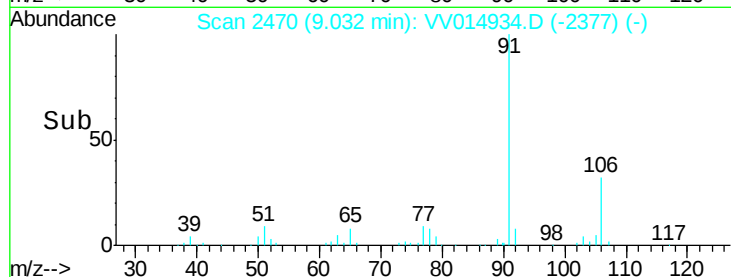
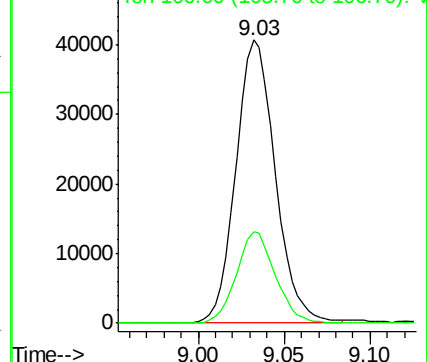
Ion Ratio Lower Upper

91 100

106 32.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014934.D (-2457) (-)



#53

m,p-Xylene

Concen: 5.12 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014934.D

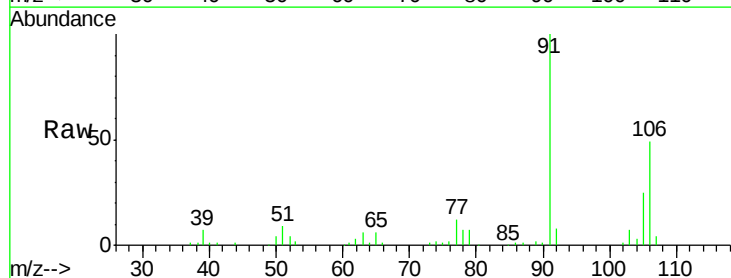
Acq: 16 Mar 2020 09:41

Tgt Ion: 106 Resp: 24374

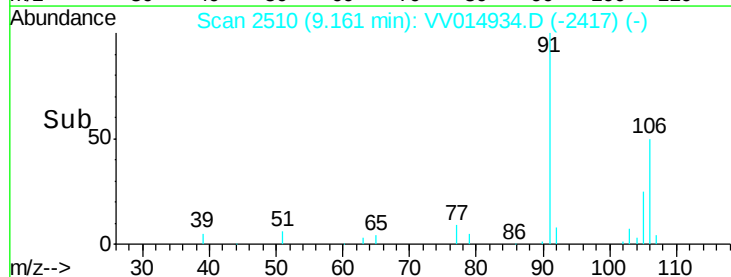
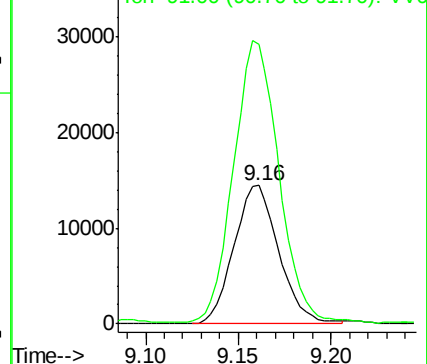
Ion Ratio Lower Upper

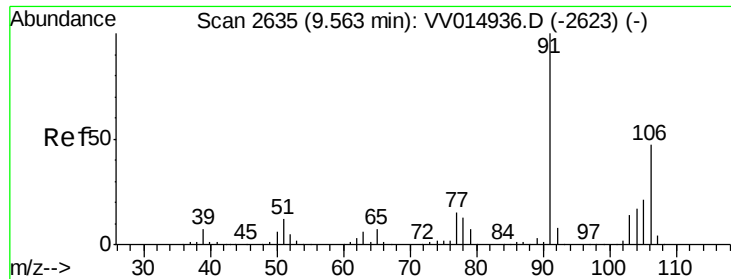
106 100

91 202.1 140.3 260.6



Abundance Ion 106.00 (105.70 to 106.70): VV014934.D (-2496) (-)

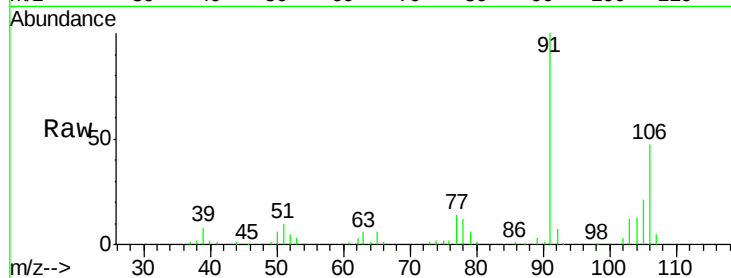




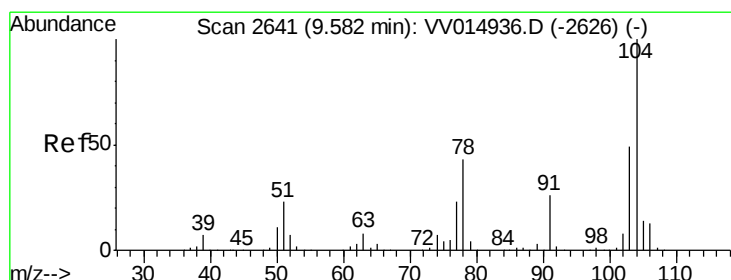
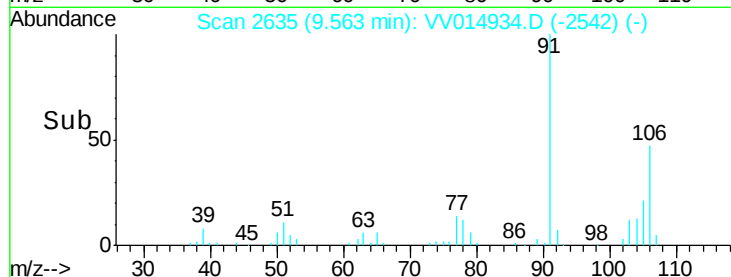
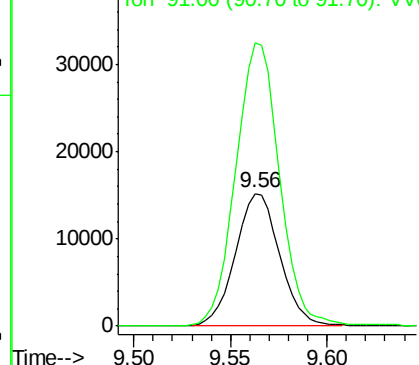
#54
o-xylene
Concen: 5.19 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 24250
Ion Ratio Lower Upper
106 100
91 213.5 147.9 274.7

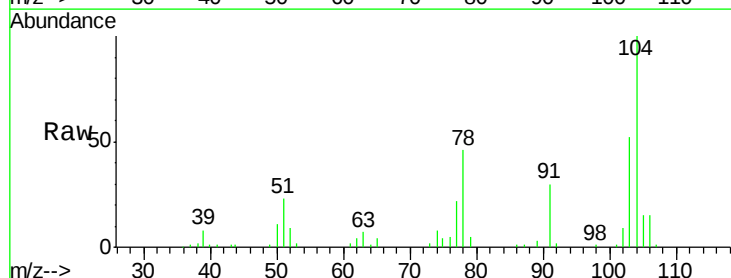


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

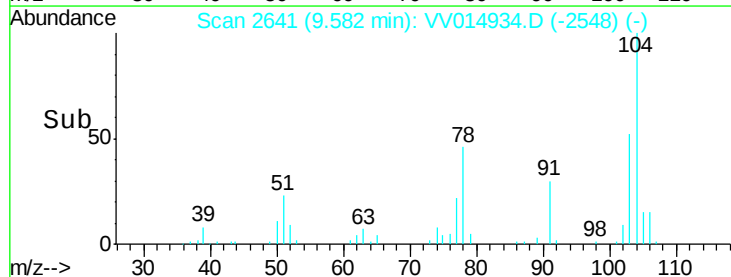
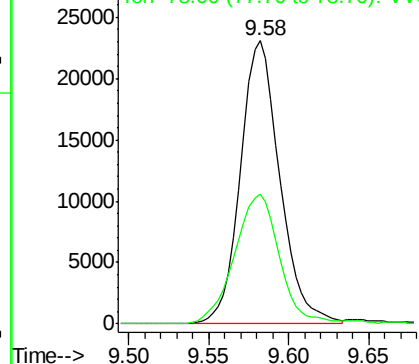


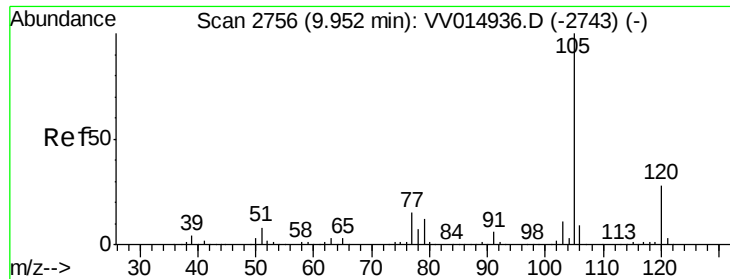
#55
Styrene
Concen: 4.86 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014934.D
Acq: 16 Mar 2020 09:41

Tgt Ion:104 Resp: 38852
Ion Ratio Lower Upper
104 100
78 45.7 30.1 55.9



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





#56

Isopropylbenzene

Concen: 5.10 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampled :

VSTD00563

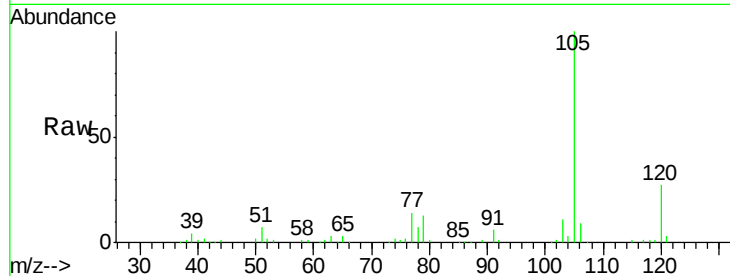
Tgt Ion: 105 Resp: 64030

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

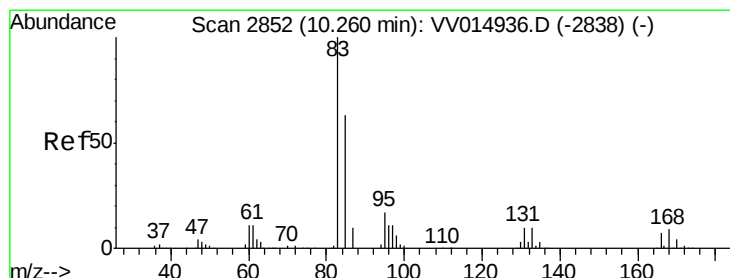
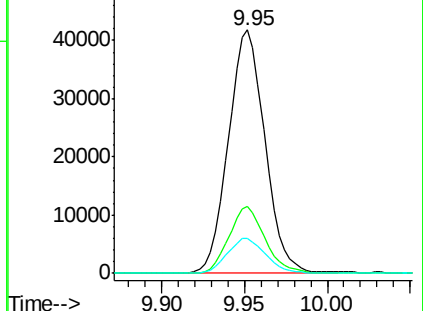
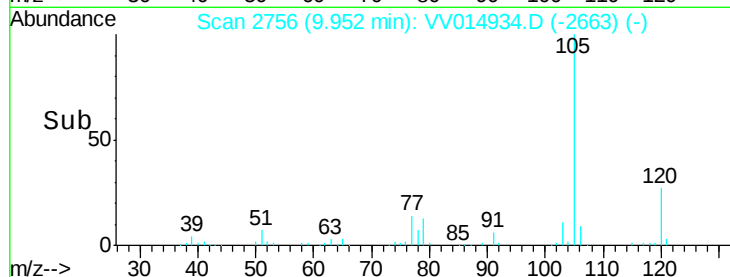
77 15.1 11.9 17.9



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: 5.09 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

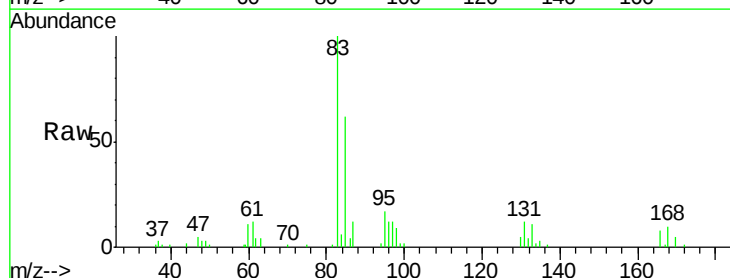
Tgt Ion: 83 Resp: 22053

Ion Ratio Lower Upper

83 100

85 61.9 44.0 81.6

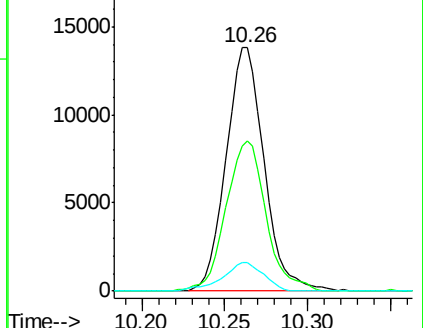
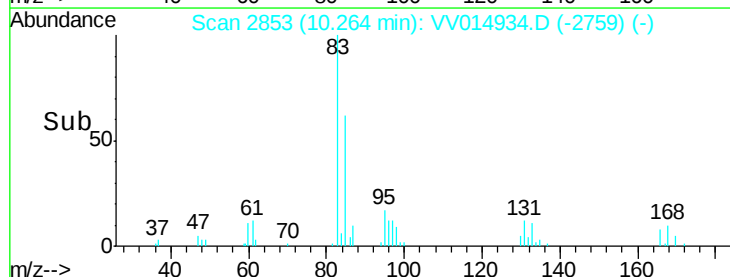
131 11.9 8.5 12.7

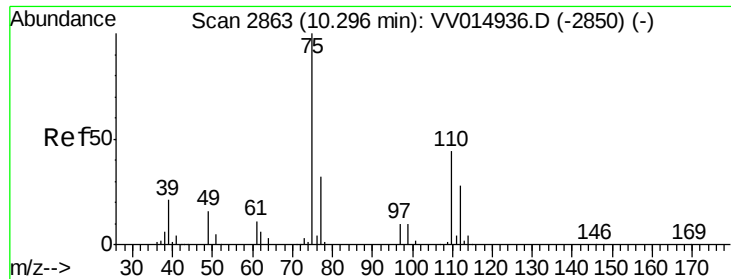


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.04 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

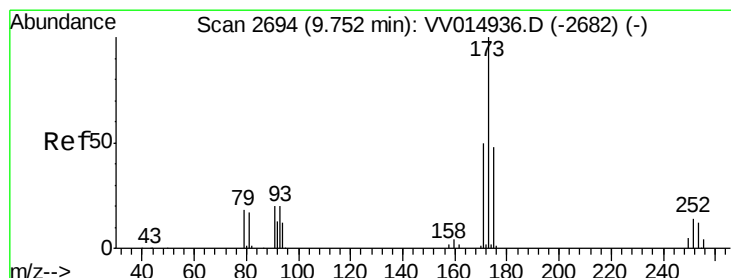
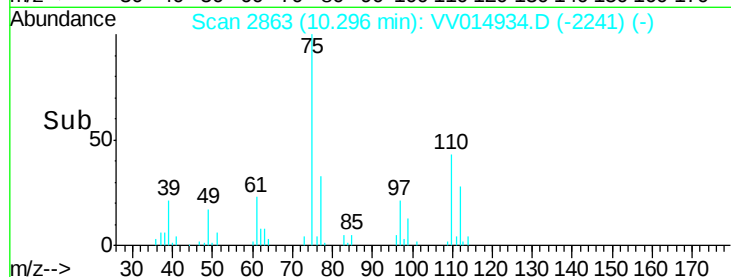
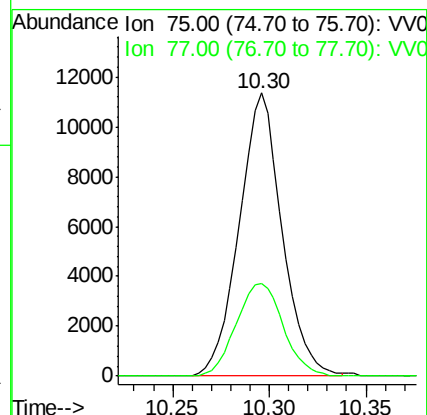
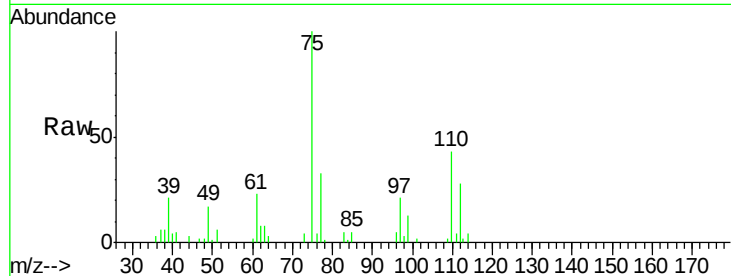
VSTD00563

Tgt Ion: 75 Resp: 17488

Ion Ratio Lower Upper

75 100

77 35.8 26.6 40.0



#61

Bromoform

Concen: 4.89 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

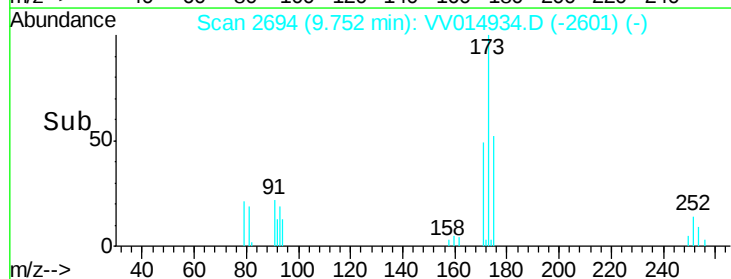
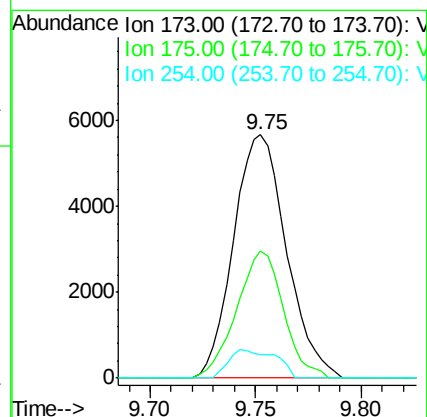
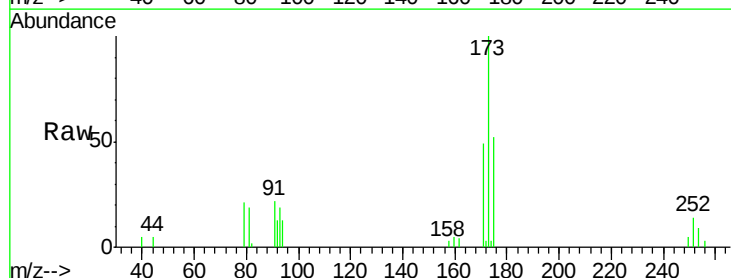
Tgt Ion: 173 Resp: 9886

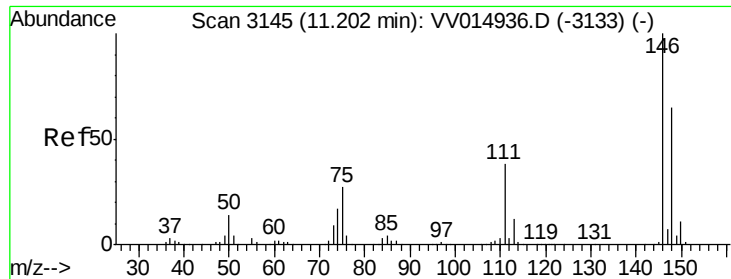
Ion Ratio Lower Upper

173 100

175 46.1 39.4 59.2

254 6.7 10.2 15.4#

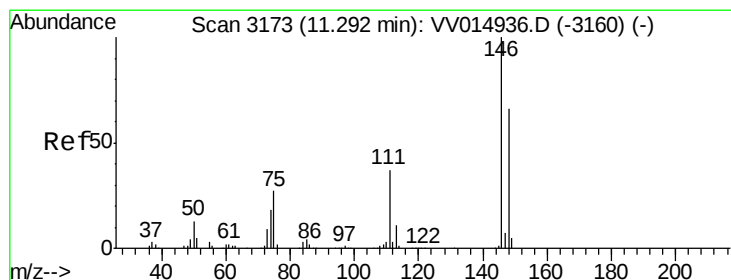
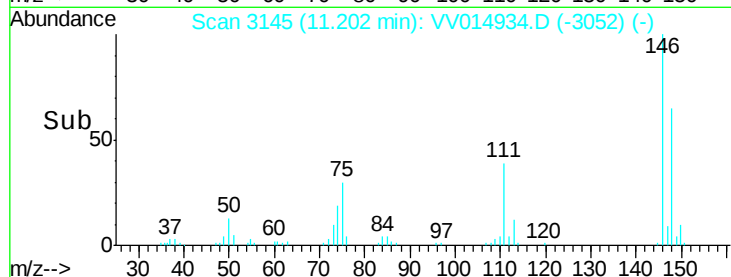
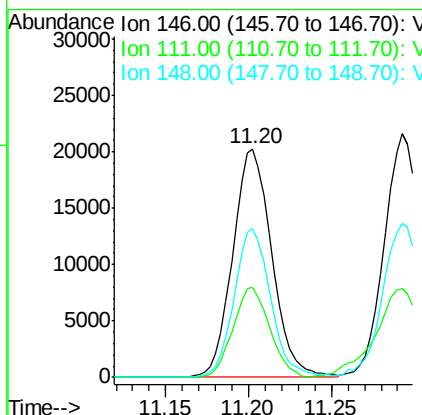
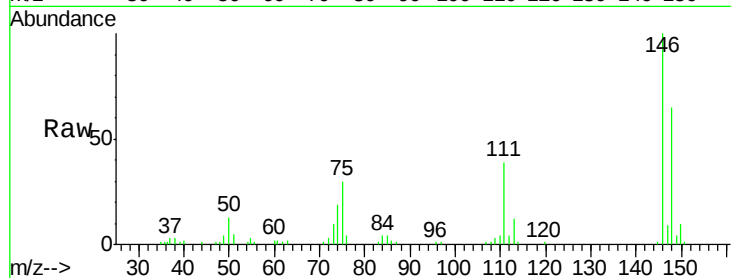




#62
 1,3-Dichlorobenzene
 Concen: 5.51 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

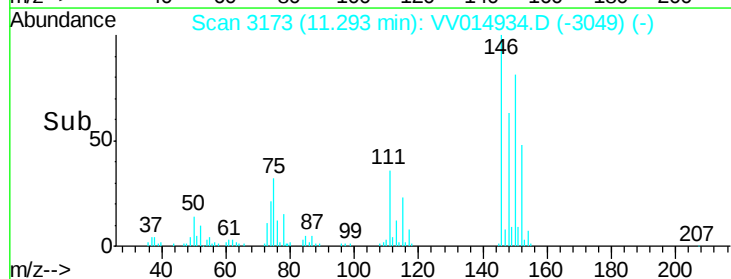
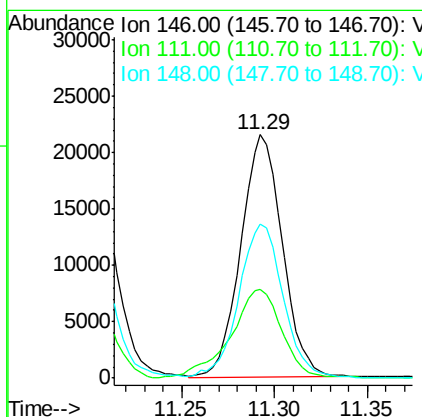
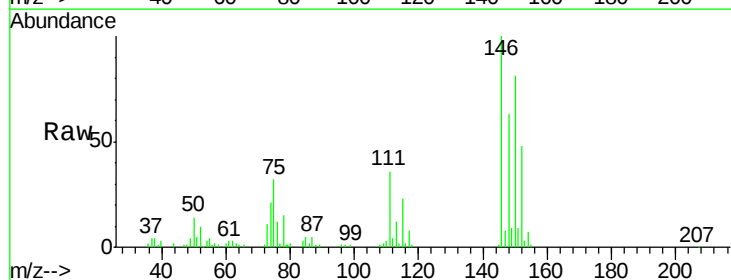
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

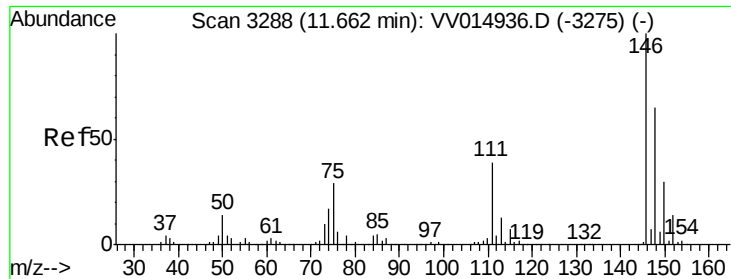
Tgt Ion:146 Resp: 33190
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.5 49.3
 148 65.2 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 5.54 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Tgt Ion:146 Resp: 33483
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.0 48.2
 148 63.4 46.1 85.5

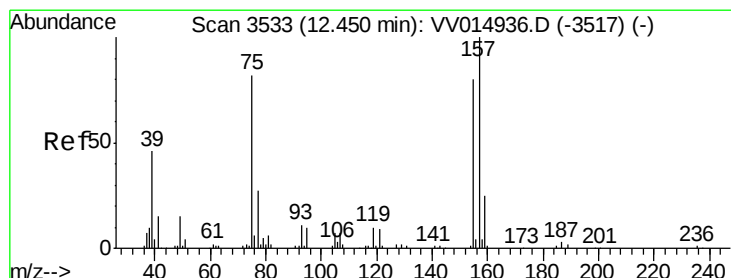
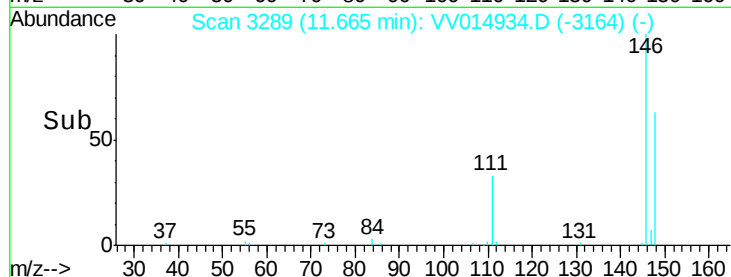
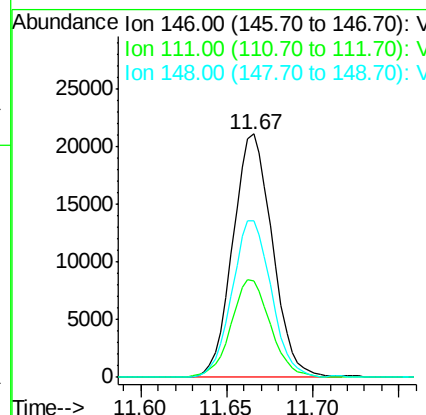
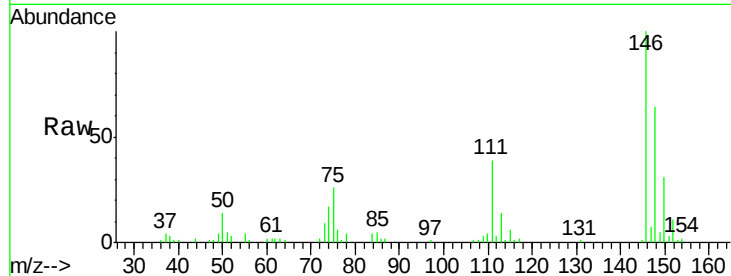




#65
 1,2-Dichlorobenzene
 Concen: 5.61 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

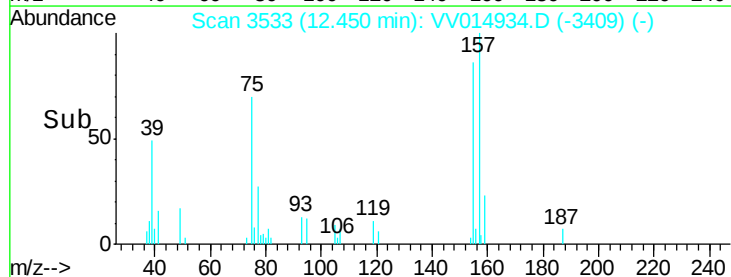
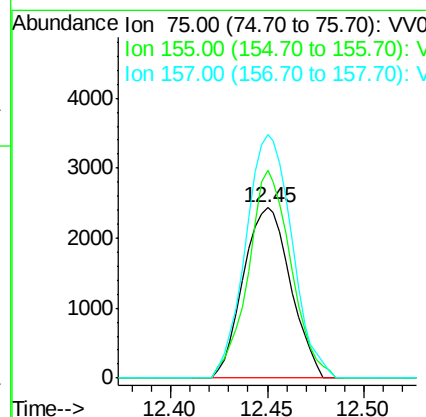
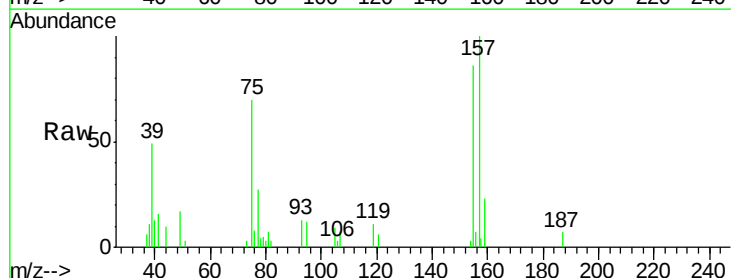
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00563

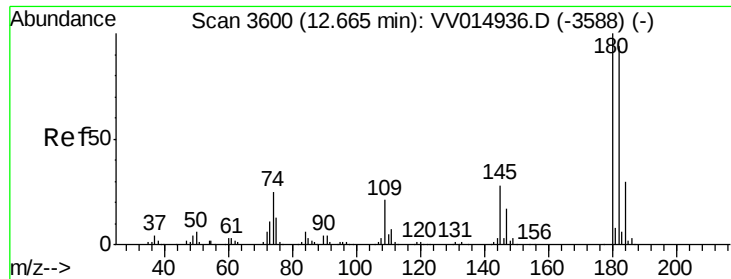
Tgt Ion: 146 Resp: 33804
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.6 47.4
 148 64.1 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.15 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV014934.D
 Acq: 16 Mar 2020 09:41

Tgt Ion: 75 Resp: 4140
 Ion Ratio Lower Upper
 75 100
 155 122.3 77.7 116.5#
 157 148.4 97.2 145.8#





#67

1,3,5-Trichlorobenzene

Concen: 5.14 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion:180 Resp: 24179

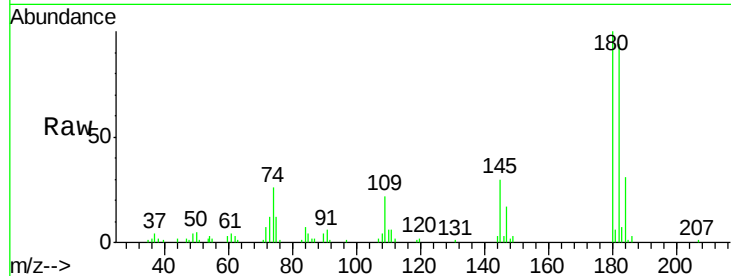
Ion Ratio Lower Upper

180 100

182 100.0 75.7 113.5

184 32.1 24.2 36.4

145 29.8 22.0 33.0

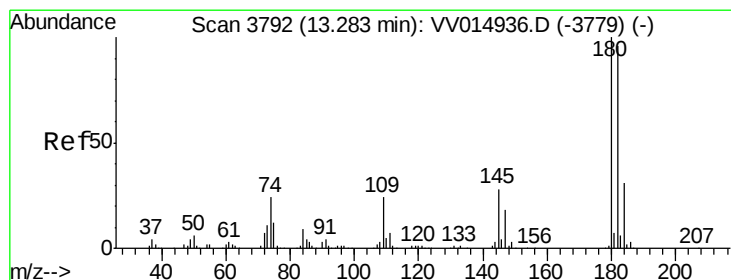
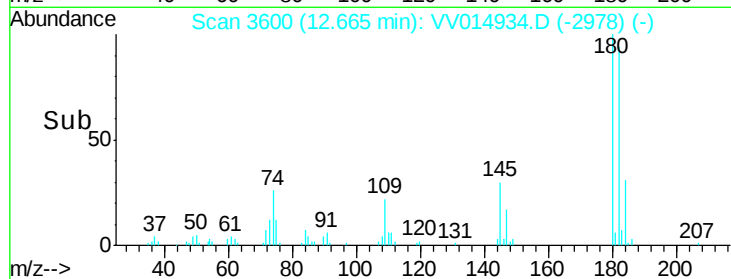
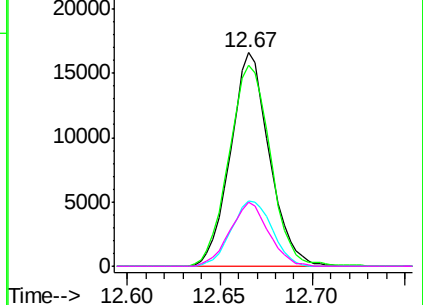


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.98 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

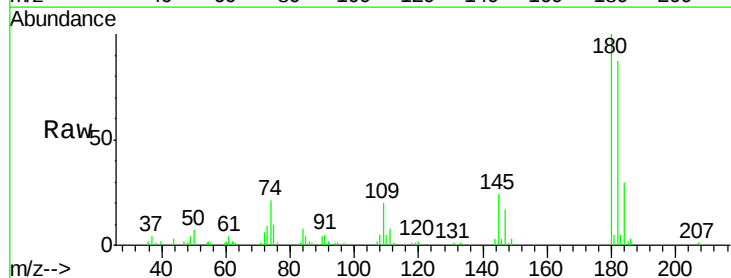
Tgt Ion:180 Resp: 21324

Ion Ratio Lower Upper

180 100

182 90.9 76.3 114.5

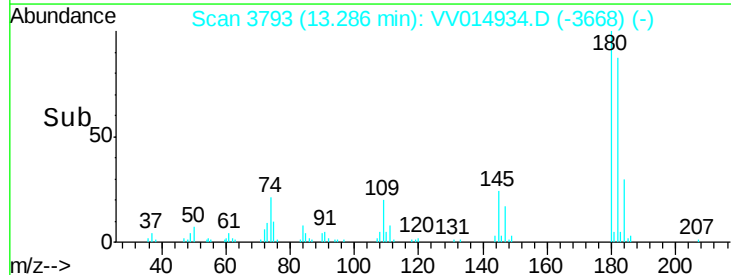
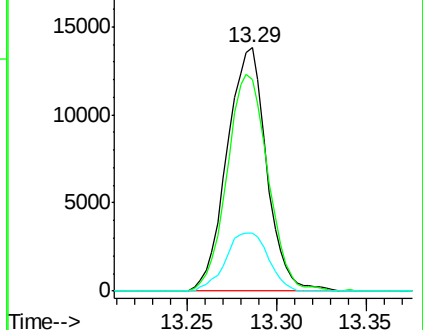
145 25.7 23.1 34.7

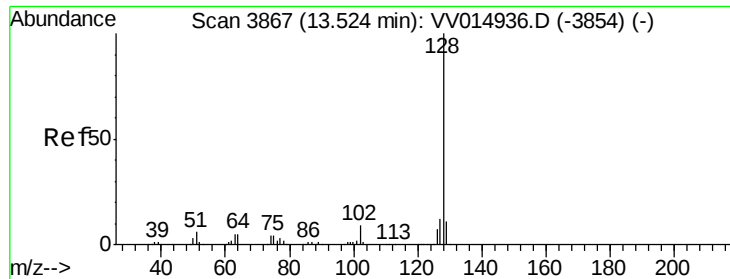


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.41 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

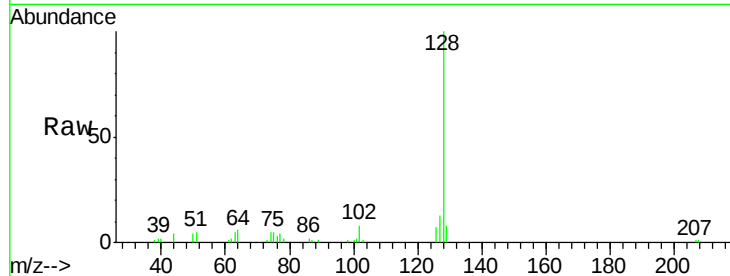
Tgt Ion:128 Resp: 21457

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

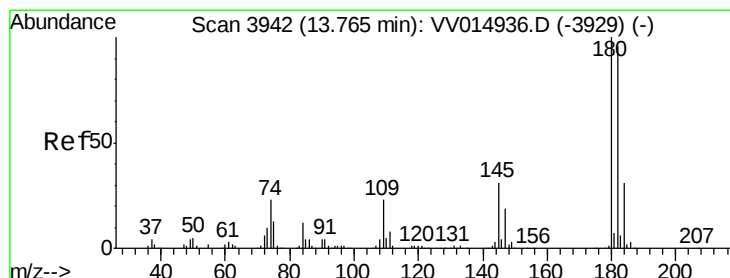
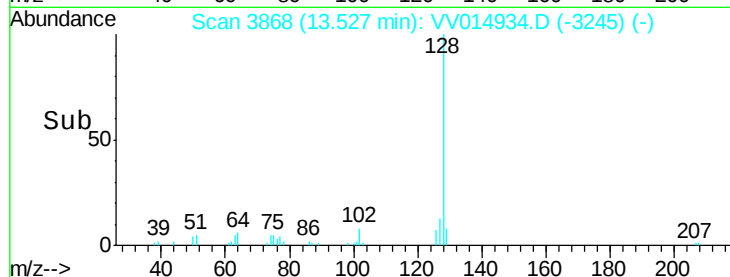
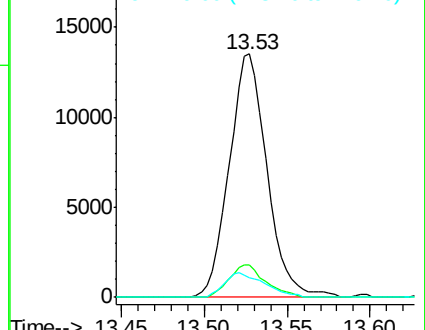
129 10.6 8.6 13.0



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: 4.69 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV014934.D

Acq: 16 Mar 2020 09:41

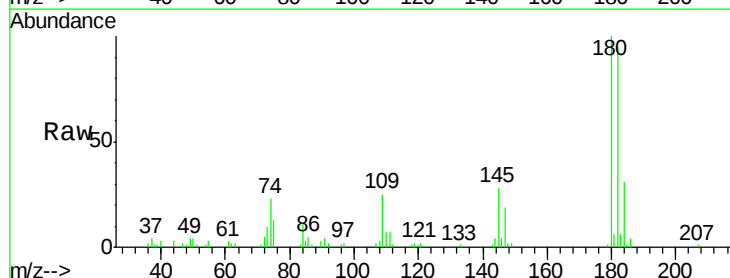
Tgt Ion:180 Resp: 20101

Ion Ratio Lower Upper

180 100

182 96.9 76.2 114.4

145 29.8 24.1 36.1



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

