

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\
 Data File : VV014939.D
 Acq On : 16 Mar 2020 12:05
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Quant Time: Mar 16 17:59:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 16 17:56:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377094	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	374058	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201505	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122663	48.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.66%
7) Chloroethane-d5	1.58	69	91686	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.28%
11) 1,1-Dichloroethene-d2	2.12	63	186731	48.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.90%
21) 2-Butanone-d5	3.93	46	137667	89.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.87%
24) Chloroform-d	4.38	84	251922	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.06	65	157488	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.08	84	502017	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.10	67	147835	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.34	98	501128	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.64	79	80143	49.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.24%
47) 2-Hexanone-d5	8.12	63	142475	102.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.86%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	217524	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	215512	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	171181	48.57	ug/L	99
3) Chloromethane	1.25	50	127046	50.08	ug/L	98
5) Vinyl chloride	1.32	62	120473	49.01	ug/L	100
6) Bromomethane	1.53	94	80200	50.89	ug/L	98
8) Chloroethane	1.60	64	65786	49.18	ug/L	99
9) Trichlorofluoromethane	1.77	101	190844	49.06	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92565	47.65	ug/L	98
12) 1,1-Dichloroethene	2.13	96	88907	50.17	ug/L	94
13) Acetone	2.20	43	91628	85.01	ug/L	93
14) Carbon disulfide	2.31	76	289235	49.74	ug/L	99
15) Methyl Acetate	2.46	43	94040	48.10	ug/L	97
16) Methylene chloride	2.53	84	132362	49.37	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	126542	50.88	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	395225	49.72	ug/L	98
19) 1,1-Dichloroethane	3.21	63	221734	49.59	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	140406	49.55	ug/L	95
22) 2-Butanone	4.01	43	136396	89.71	ug/L	86

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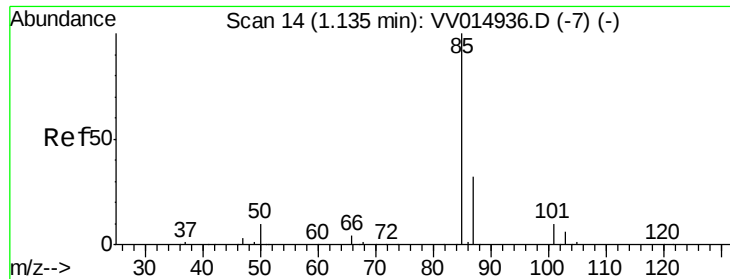
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	74604	49.71	ug/L	96
25) Chloroform	4.41	83	241821	48.98	ug/L	98
27) 1,2-Dichloroethane	5.16	62	178965	48.10	ug/L	97
29) Cyclohexane	4.70	56	192430	49.81	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	221760	49.85	ug/L	99
31) Carbon tetrachloride	4.86	117	192678	48.58	ug/L	98
33) Benzene	5.13	78	509241	50.03	ug/L	100
34) Trichloroethene	5.94	95	134459	49.23	ug/L	98
35) Methylcyclohexane	6.16	83	217951	49.46	ug/L	99
37) 1,2-Dichloropropane	6.20	63	126541	49.61	ug/L	99
38) Bromodichloromethane	6.53	83	179359	49.61	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	209080	49.87	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	352326	102.69	ug/L	100
42) Toluene	7.41	91	580563	50.69	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	195206	52.33	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	133912	50.42	ug/L	99
46) Tetrachloroethene	8.00	164	127435	49.94	ug/L	98
48) 2-Hexanone	8.17	43	284213	104.30	ug/L	98
49) Dibromochloromethane	8.27	129	154682	51.77	ug/L	94
50) 1,2-Dibromoethane	8.38	107	147096	50.49	ug/L	99
51) Chlorobenzene	8.90	112	392840	49.81	ug/L	100
52) Ethylbenzene	9.03	91	661460	50.67	ug/L	99
53) m,p-Xylene	9.16	106	254755	50.29	ug/L	99
54) o-xylene	9.56	106	252180	50.21	ug/L	99
55) Styrene	9.58	104	438101	52.25	ug/L	99
56) Isopropylbenzene	9.95	105	667195	50.38	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	219781	50.02	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	176850	50.57	ug/L	99
61) Bromoform	9.75	173	111635	51.64	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	333947	50.29	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	335354	50.13	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	334443	50.42	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	50816	50.96	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	264228	50.75	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	236309	50.92	ug/L	99
69) Naphthalene	13.52	128	323510	54.27	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	243960	53.11	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.57 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

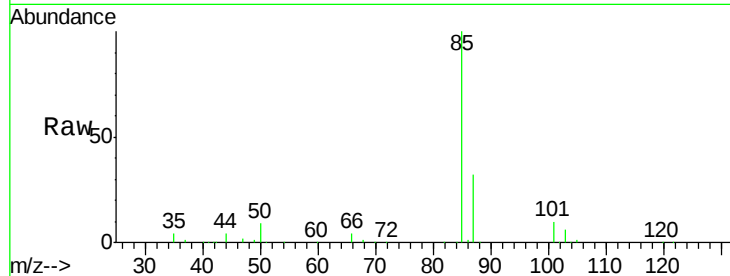
VICV62

Tgt Ion: 85 Resp: 171181

Ion Ratio Lower Upper

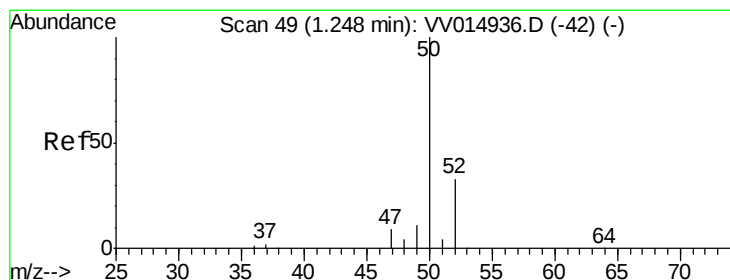
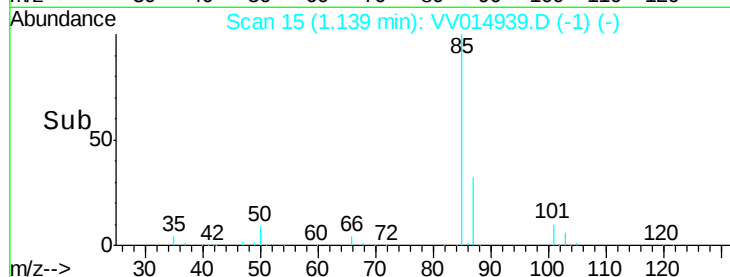
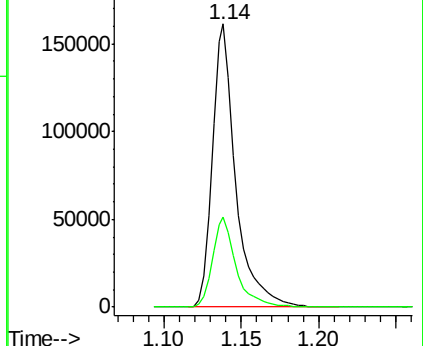
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.08 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014939.D

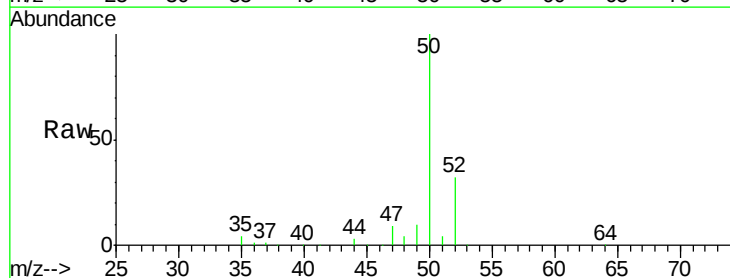
Acq: 16 Mar 2020 12:05

Tgt Ion: 50 Resp: 127046

Ion Ratio Lower Upper

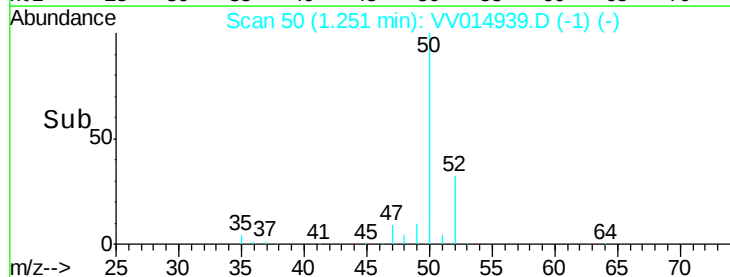
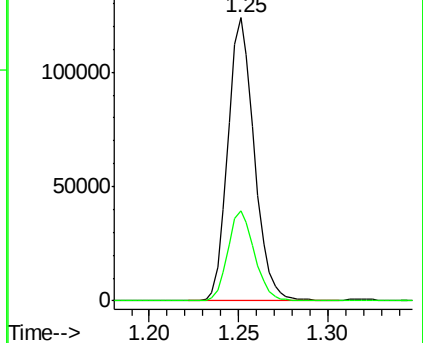
50 100

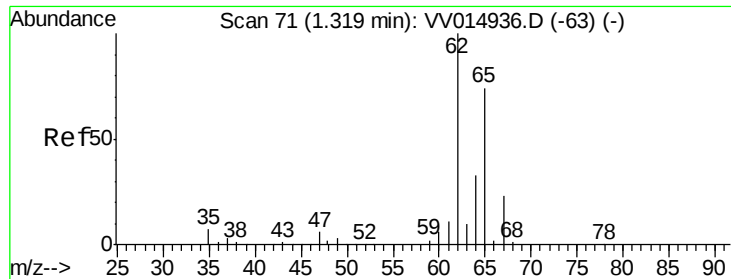
52 31.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.01 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

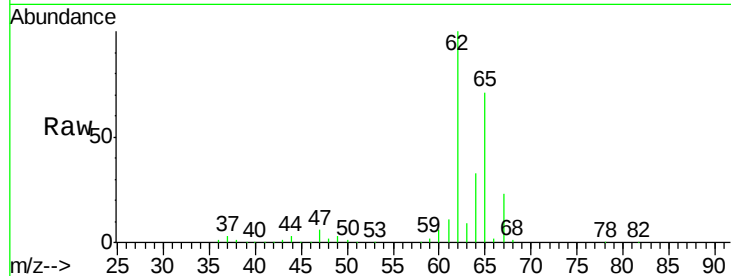
VICV62

Tgt Ion: 62 Resp: 120473

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

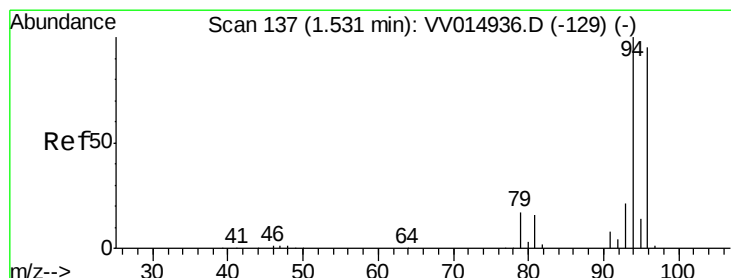
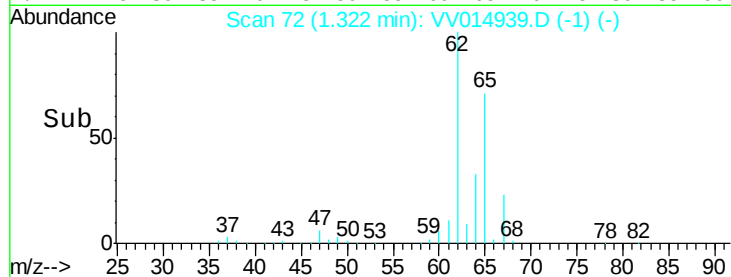
20000

0

1.32

1.30 1.32 1.34 1.36 1.38 1.40

Time-->



#6

Bromomethane

Concen: 50.89 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014939.D

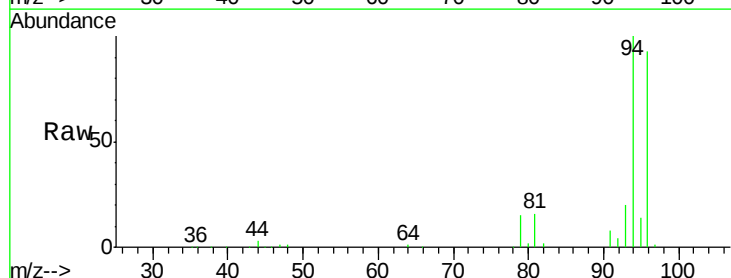
Acq: 16 Mar 2020 12:05

Tgt Ion: 94 Resp: 80200

Ion Ratio Lower Upper

94 100

96 93.2 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

40000

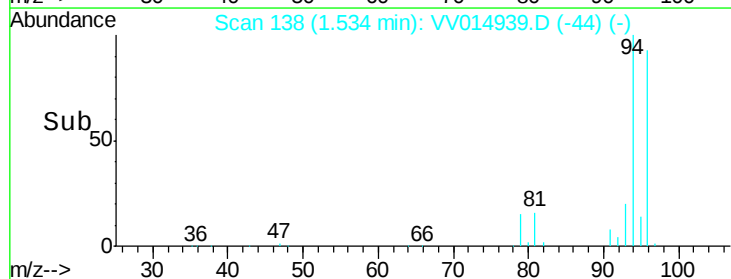
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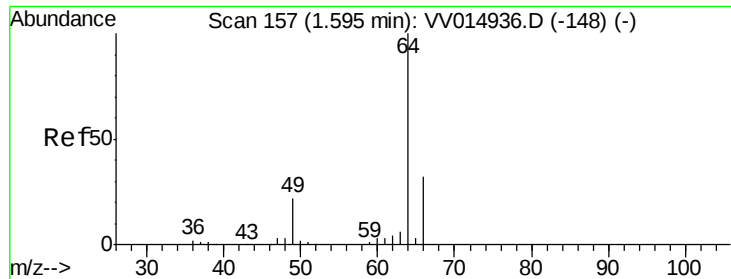
0

1.53

1.50 1.52 1.54 1.56 1.58 1.60

Time-->





#8

Chloroethane

Concen: 49.18 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

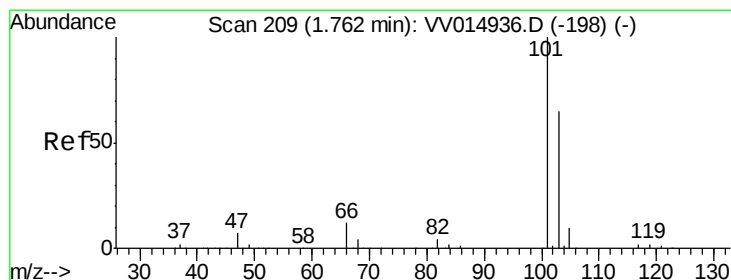
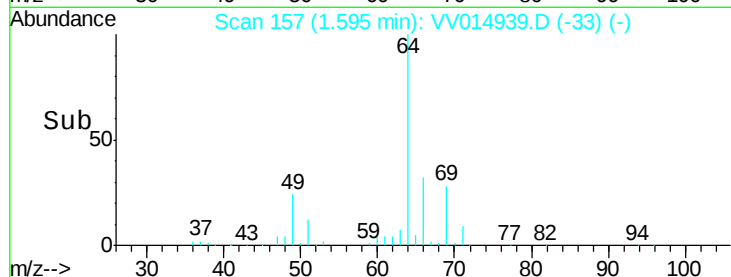
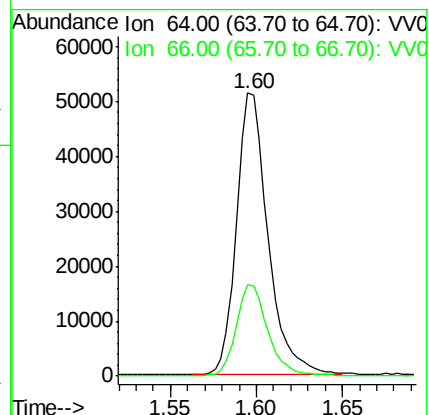
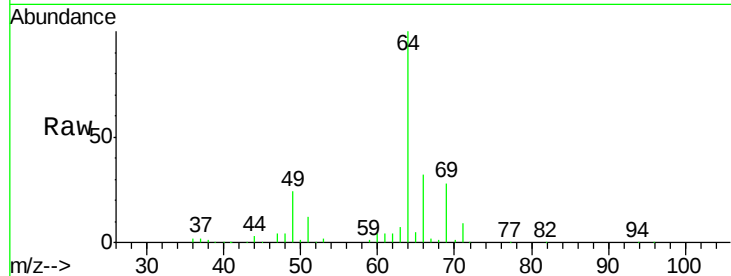
VICV62

Tgt Ion: 64 Resp: 65786

Ion Ratio Lower Upper

64 100

66 32.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 49.06 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014939.D

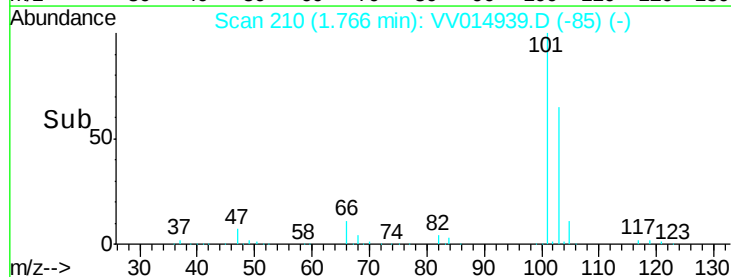
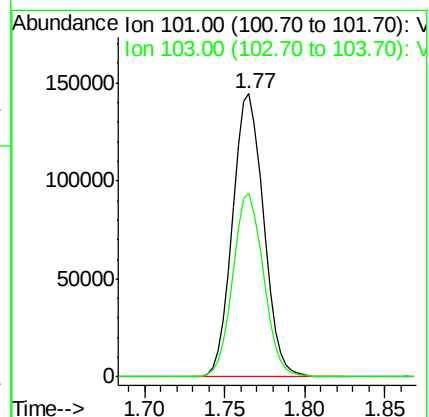
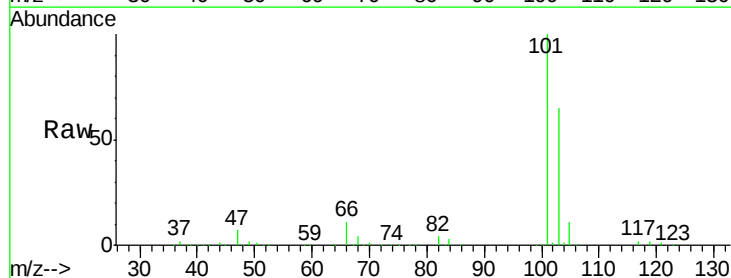
Acq: 16 Mar 2020 12:05

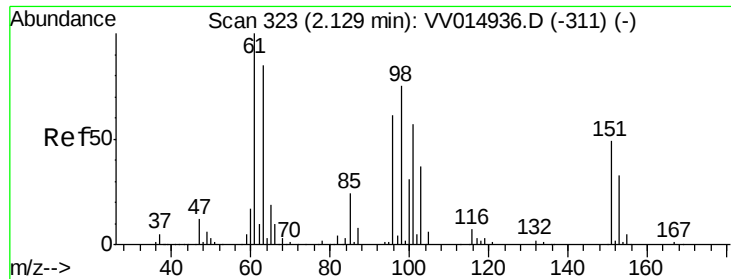
Tgt Ion: 101 Resp: 190844

Ion Ratio Lower Upper

101 100

103 64.4 51.9 77.9





#10

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

Concen: 47.65 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

VICV62

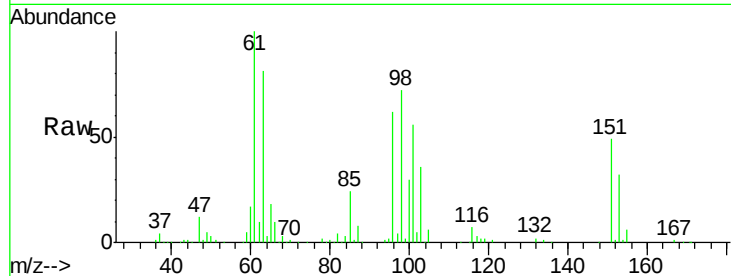
Tgt Ion: 101 Resp: 92565

Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

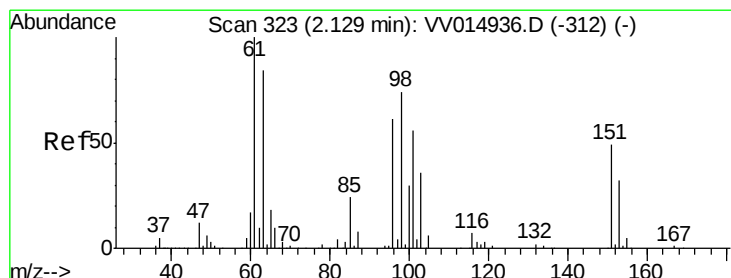
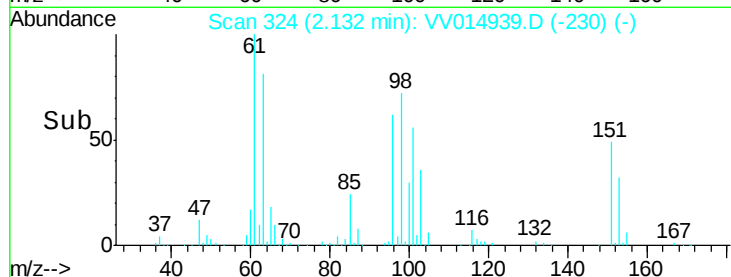
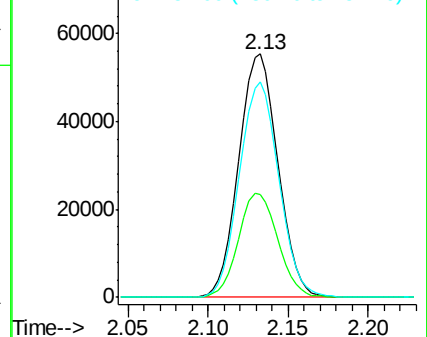
151 89.6 70.1 105.1



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: 50.17 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

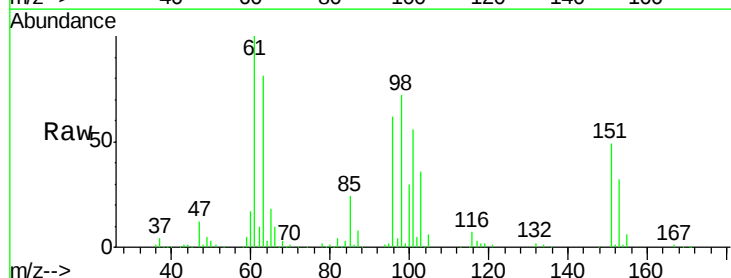
Tgt Ion: 96 Resp: 88907

Ion Ratio Lower Upper

96 100

61 160.2 115.7 214.9

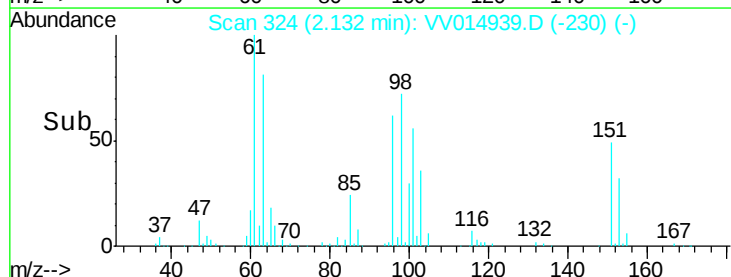
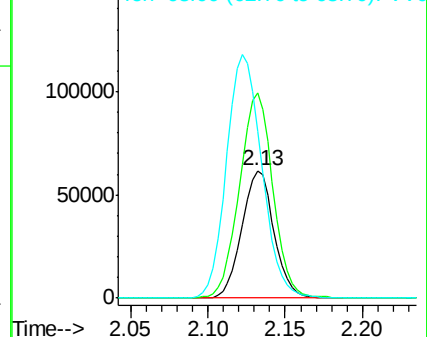
63 130.3 99.2 184.2

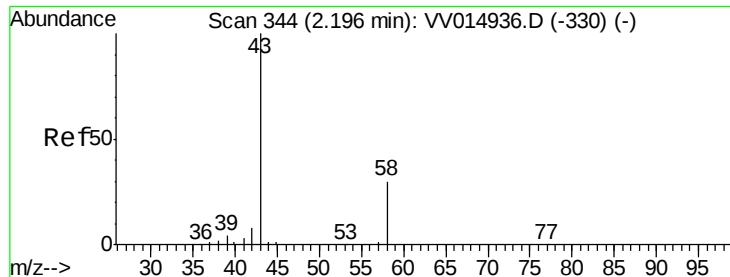


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.01 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

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ClientSampleId :

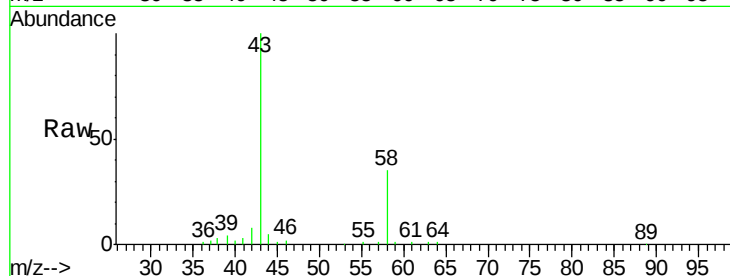
VICV62

Tgt Ion: 43 Resp: 91628

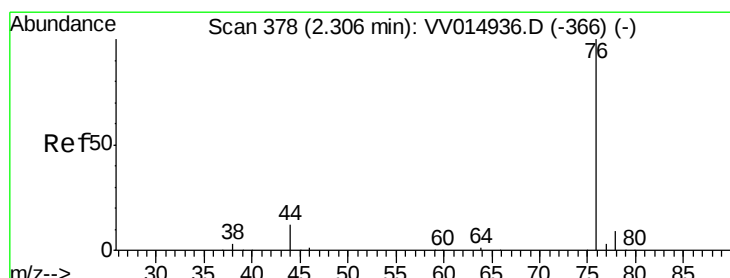
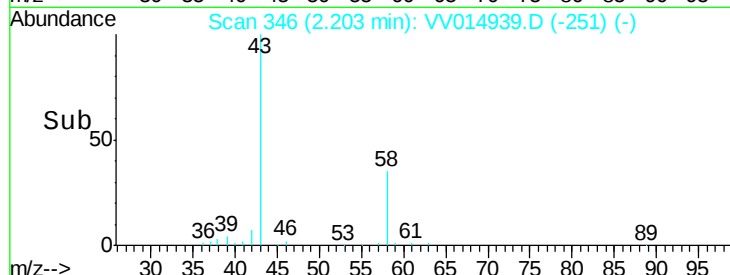
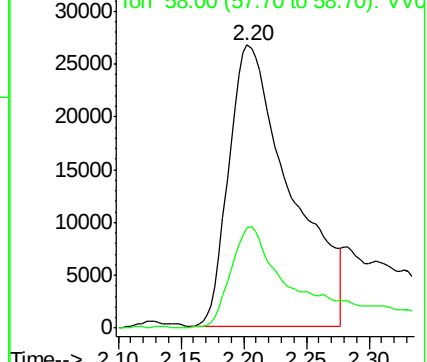
Ion Ratio Lower Upper

43 100

58 29.4 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014939.D (-251) (-)



#14

Carbon disulfide

Concen: 49.74 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014939.D

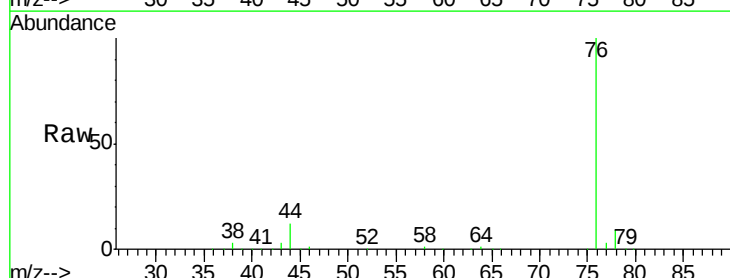
Acq: 16 Mar 2020 12:05

Tgt Ion: 76 Resp: 289235

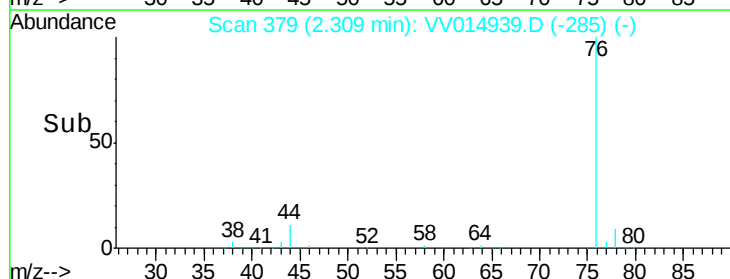
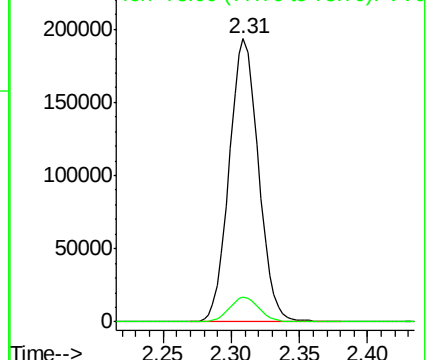
Ion Ratio Lower Upper

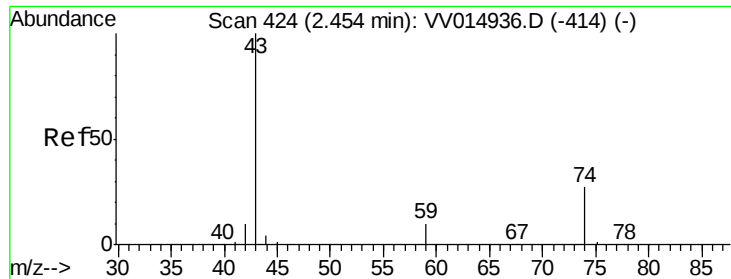
76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014939.D (-285) (-)

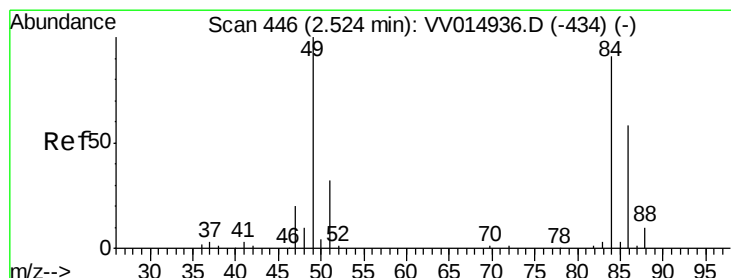
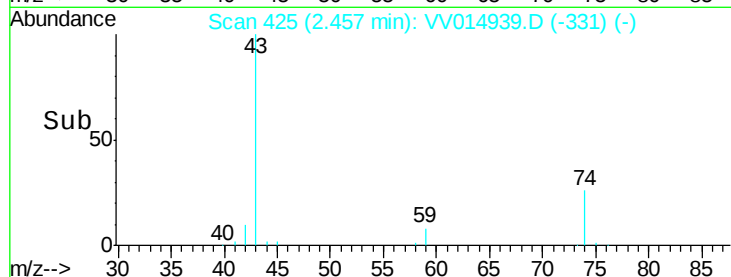
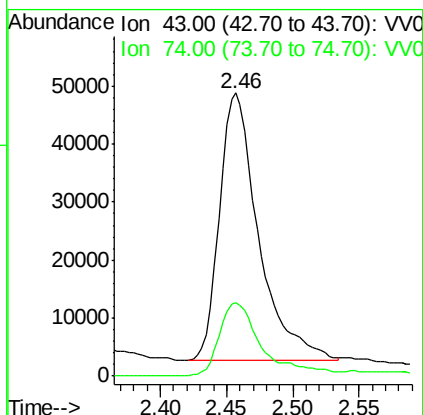
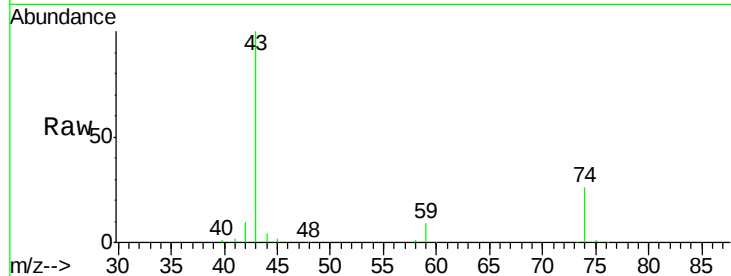




#15
Methyl Acetate
Concen: 48.10 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

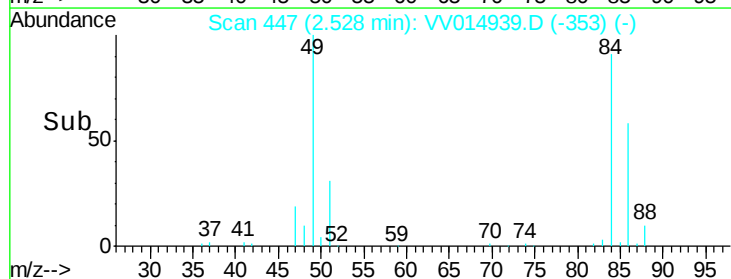
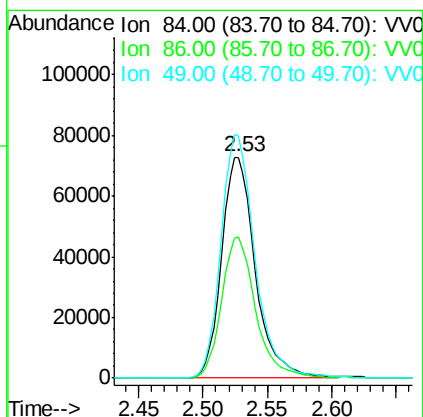
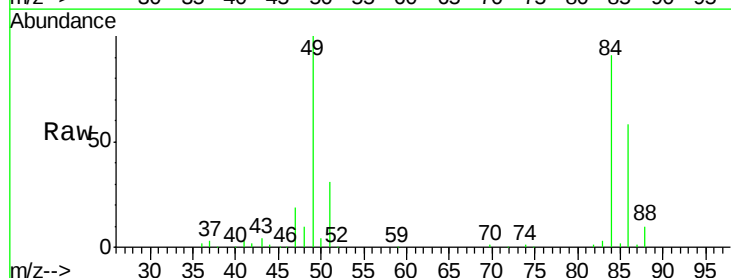
Instrument :
MSVOA_V
ClientSampled :
VICV62

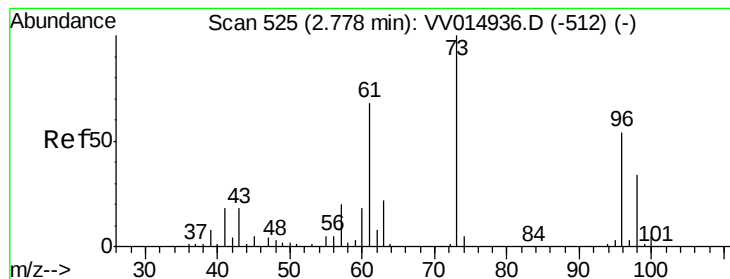
Tgt Ion: 43 Resp: 94040
Ion Ratio Lower Upper
43 100
74 26.6 22.4 33.6



#16
Methylene chloride
Concen: 49.37 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 84 Resp: 132362
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 109.8 76.9 142.9





#17

trans-1,2-Dichloroethene

Concen: 50.88 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

VICV62

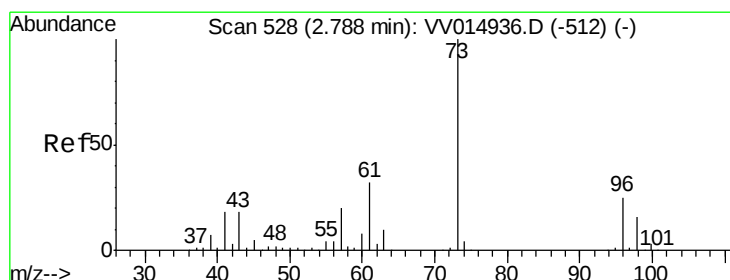
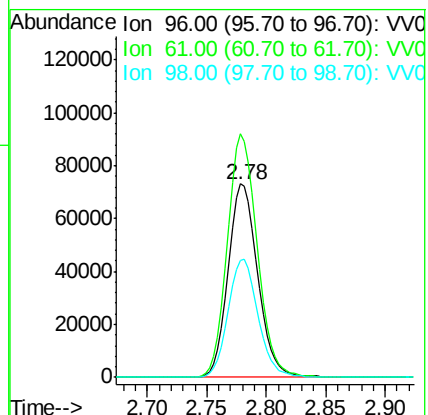
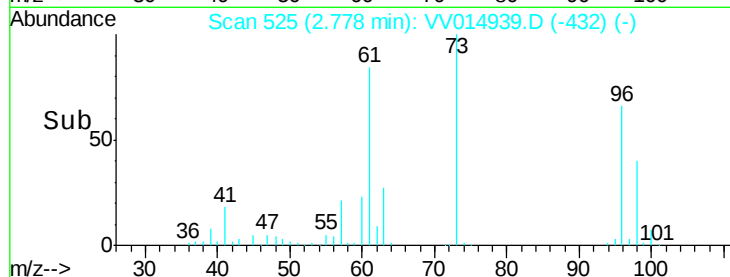
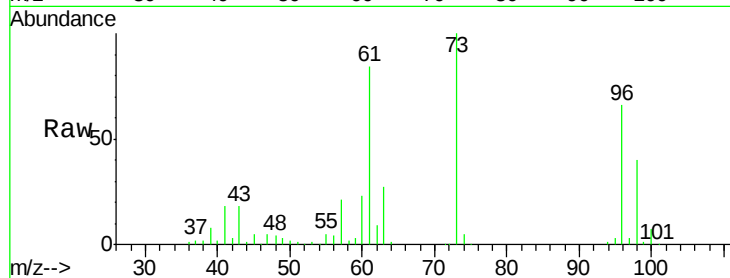
Tgt Ion: 96 Resp: 126542

Ion Ratio Lower Upper

96 100

61 126.0 87.9 163.3

98 60.4 43.5 80.7



#18

Methyl tert-butyl Ether

Concen: 49.72 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

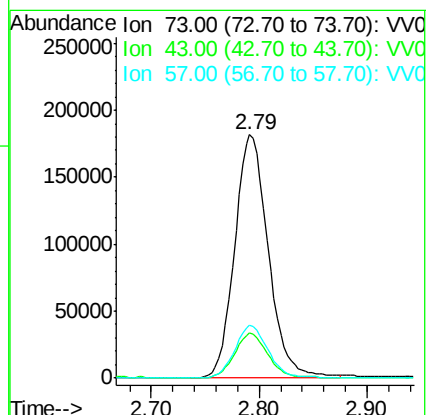
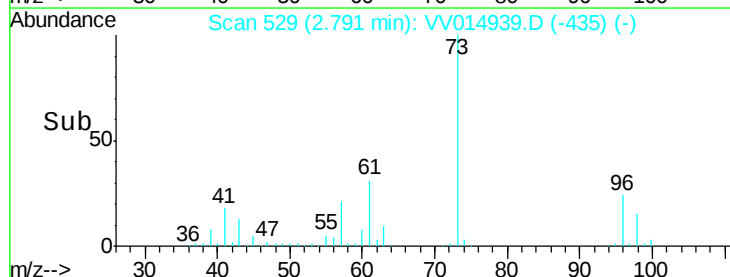
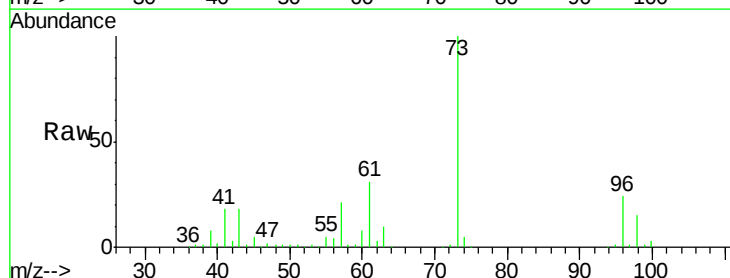
Tgt Ion: 73 Resp: 395225

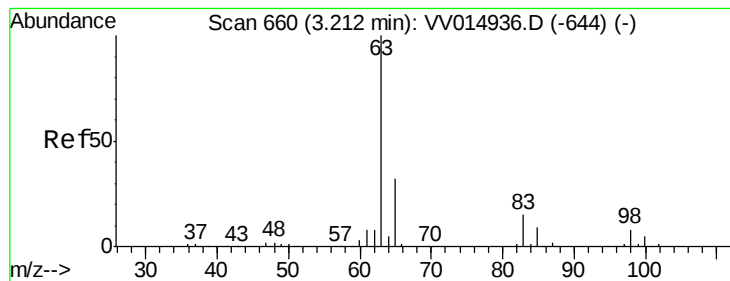
Ion Ratio Lower Upper

73 100

43 17.8 14.4 21.6

57 21.5 16.0 24.0





#19

1,1-Dichloroethane

Concen: 49.59 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

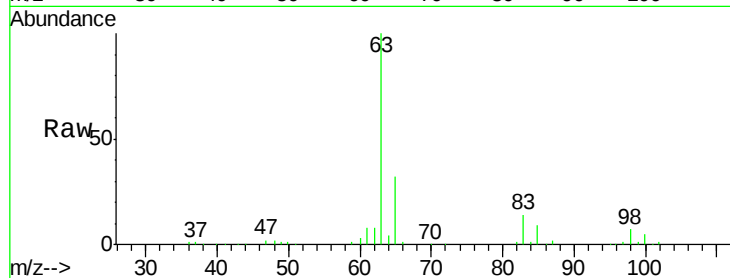
Tgt Ion: 63 Resp: 221734

Ion Ratio Lower Upper

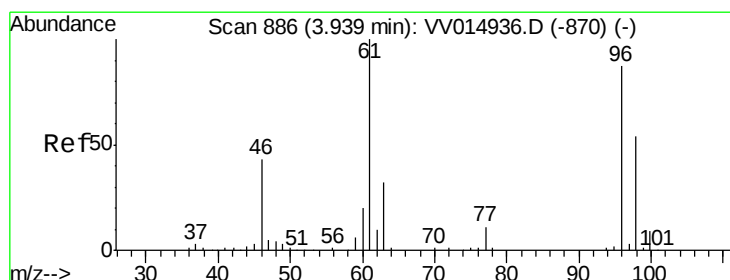
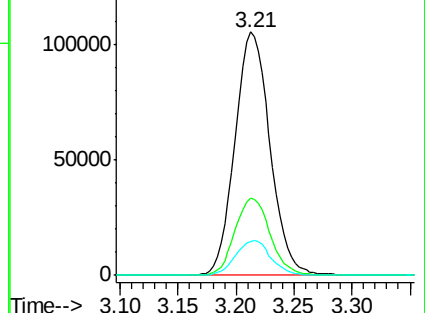
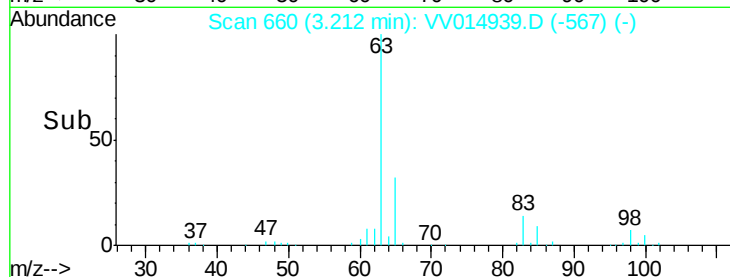
63 100

65 31.8 22.7 42.3

83 14.1 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV014939.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.55 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

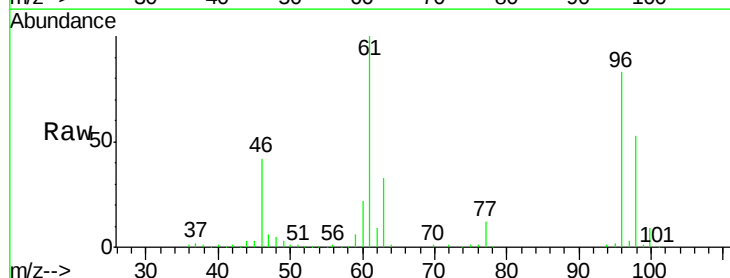
Tgt Ion: 96 Resp: 140406

Ion Ratio Lower Upper

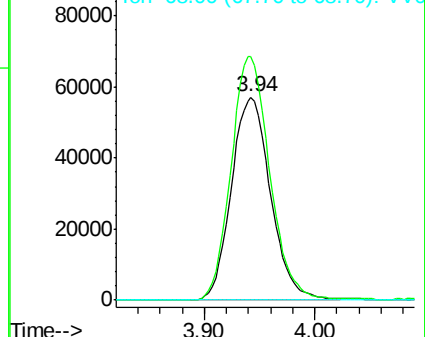
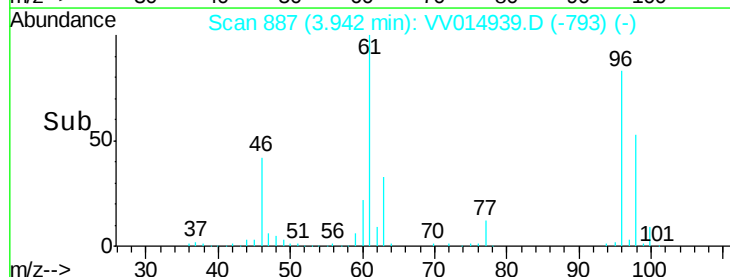
96 100

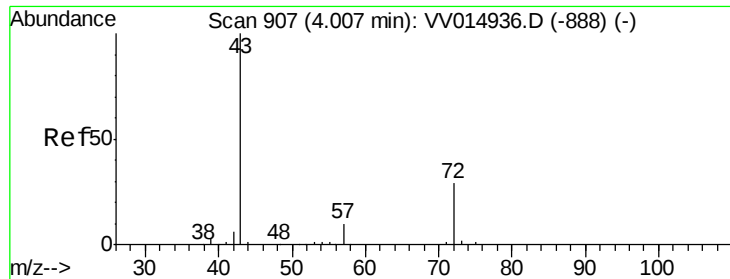
61 120.1 80.2 149.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014939.D (-793) (-)





#22

2-Butanone

Concen: 89.71 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

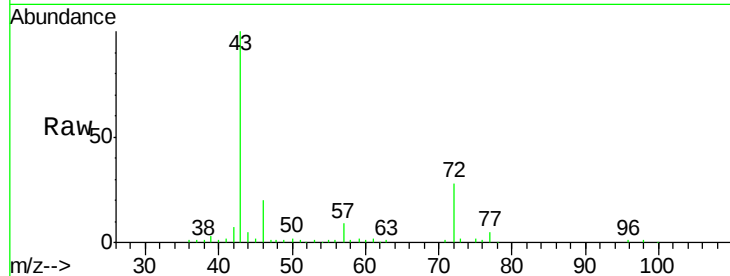
VICV62

Tgt Ion: 43 Resp: 136396

Ion Ratio Lower Upper

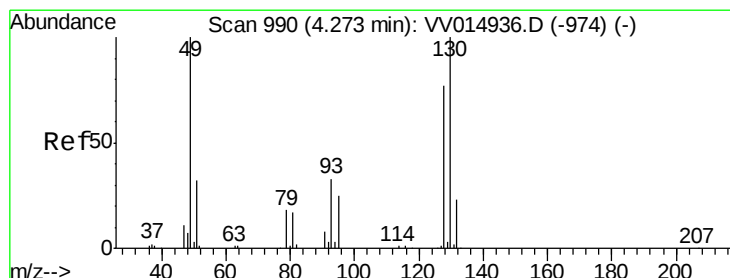
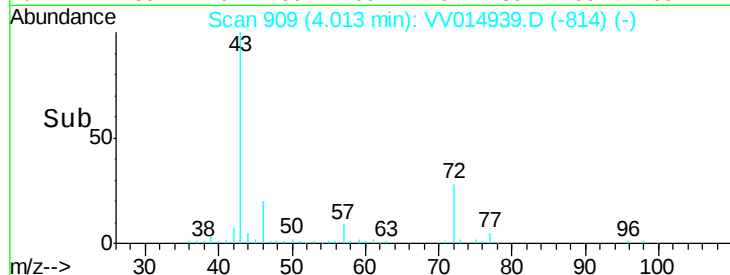
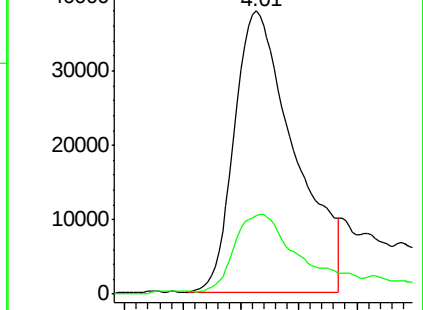
43 100

72 28.4 10.9 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV014936.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV014936.D (-888) (-)



#23

Bromochloromethane

Concen: 49.71 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Tgt Ion: 128 Resp: 74604

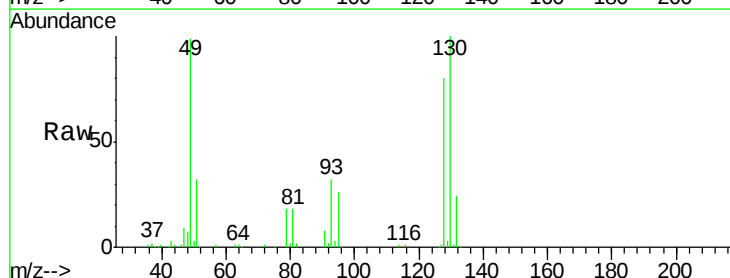
Ion Ratio Lower Upper

128 100

49 123.5 90.4 167.8

130 124.3 90.4 168.0

51 40.3 32.7 49.1

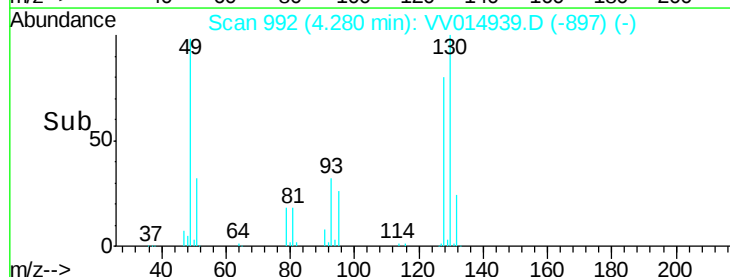
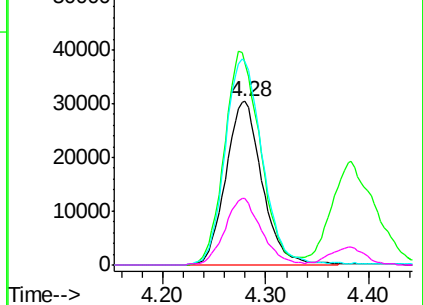


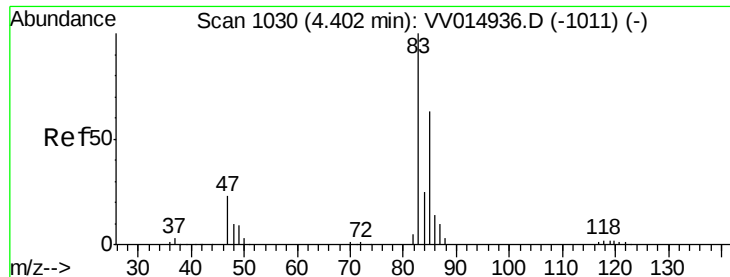
Abundance Ion 128.00 (127.70 to 128.70): VV014936.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV014936.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV014936.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV014936.D (-974) (-)

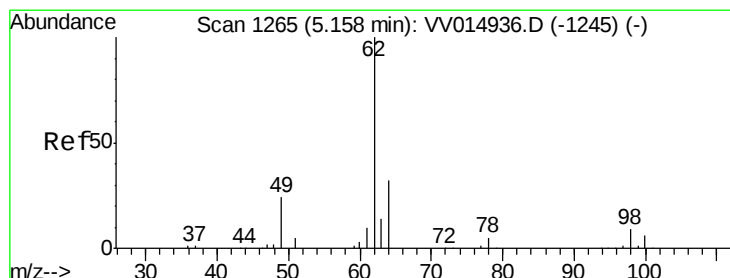
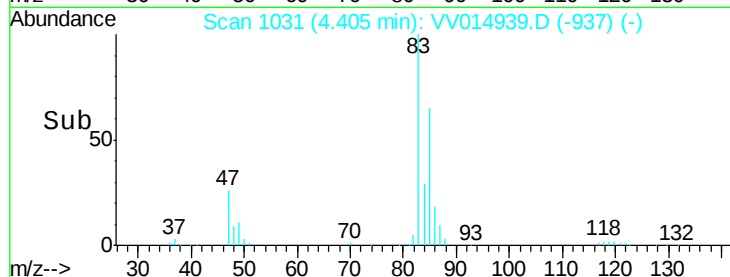
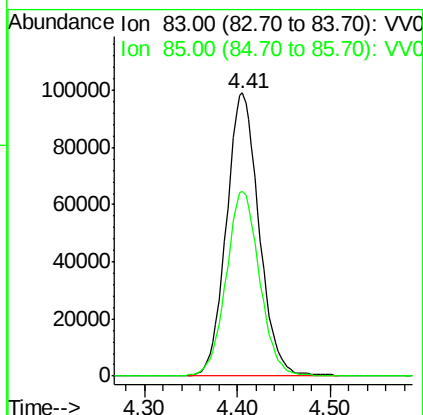
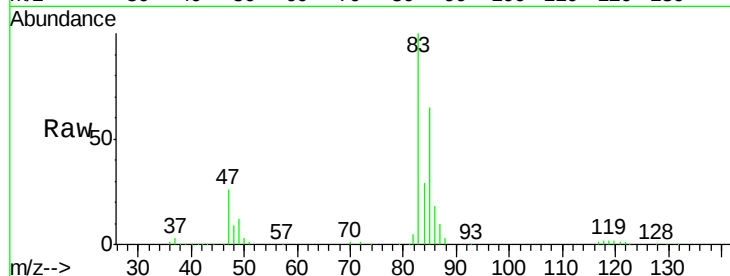




#25
Chloroform
Concen: 48.98 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

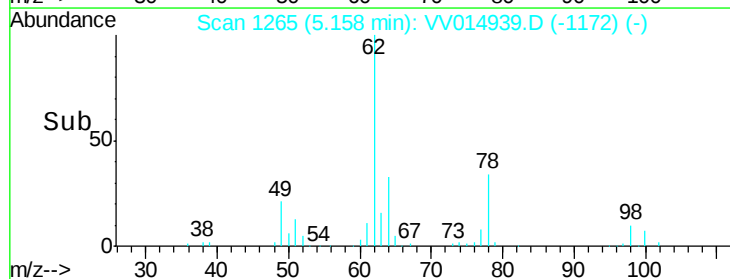
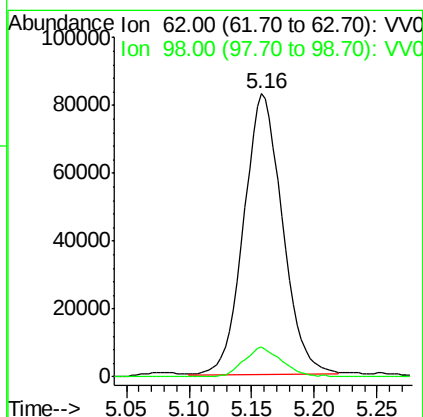
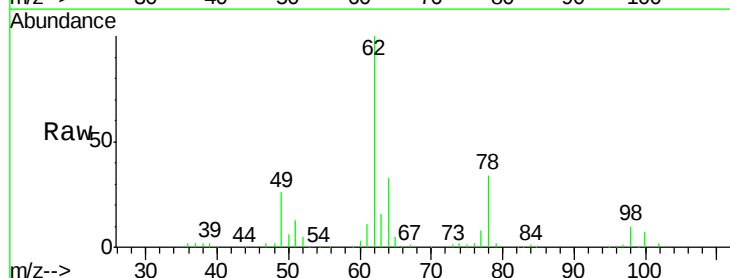
Instrument :
MSVOA_V
ClientSampled :
VICV62

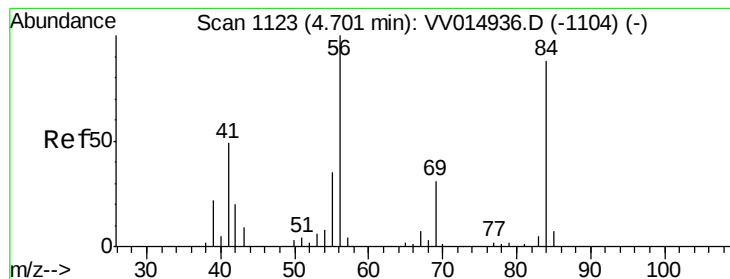
Tgt Ion: 83 Resp: 241821
Ion Ratio Lower Upper
83 100
85 65.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.10 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 62 Resp: 178965
Ion Ratio Lower Upper
62 100
98 10.4 7.4 11.0





#29

Cyclohexane

Concen: 49.81 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

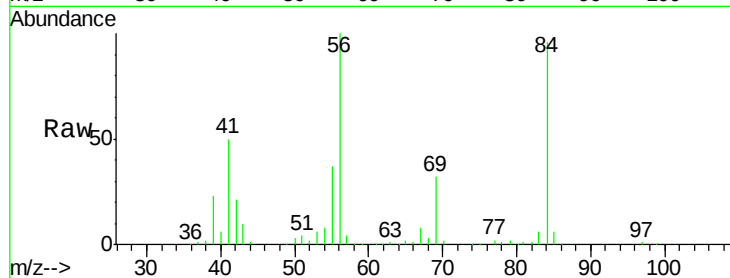
Tgt Ion: 56 Resp: 192430

Ion Ratio Lower Upper

56 100

69 32.3 25.2 37.8

84 94.7 76.4 114.6

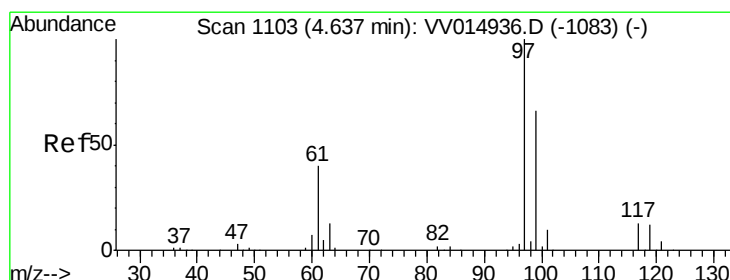
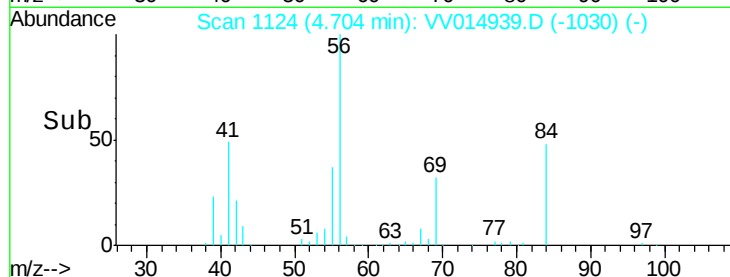
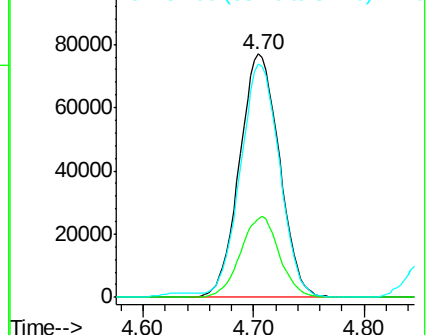


Abundance

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: 49.85 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

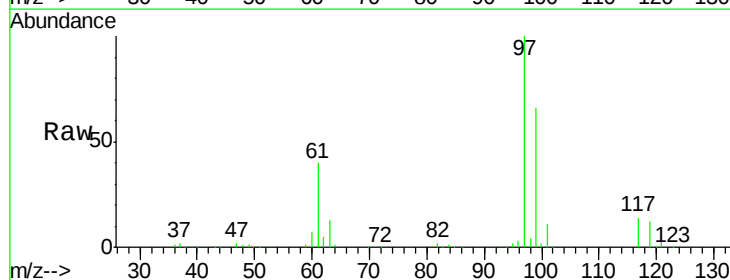
Tgt Ion: 97 Resp: 221760

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 38.9 32.0 48.0

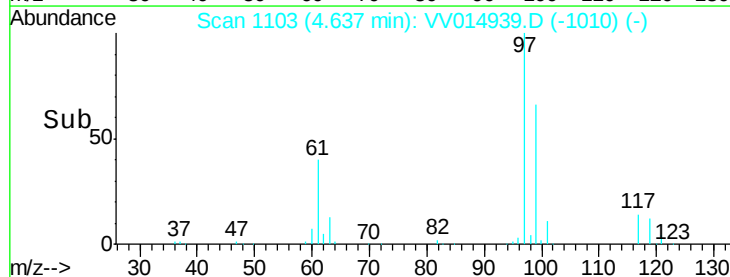
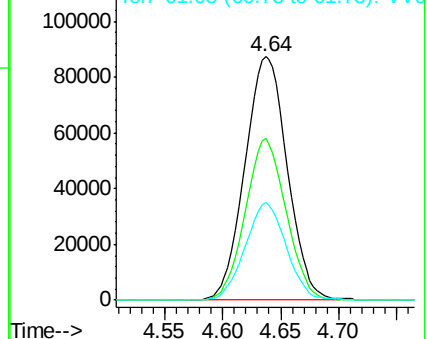


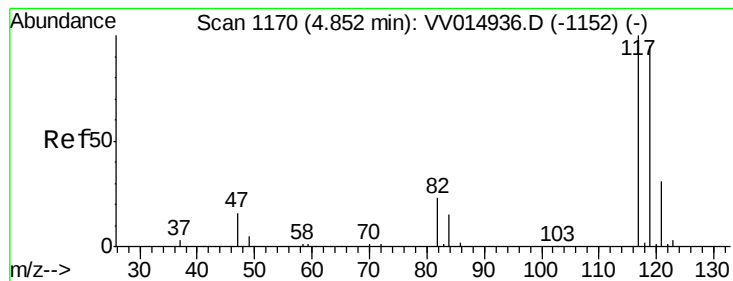
Abundance

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: 48.58 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

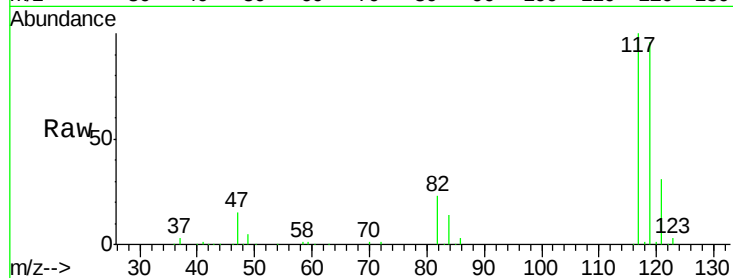
VICV62

Tgt Ion:117 Resp: 192678

Ion Ratio Lower Upper

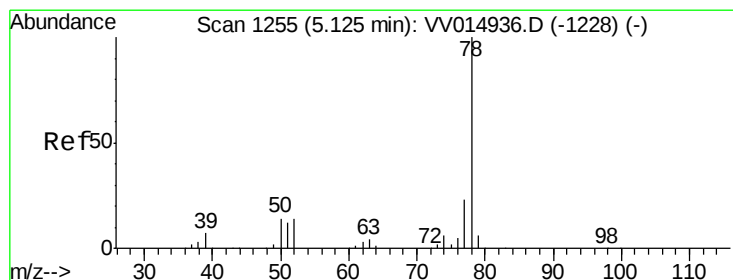
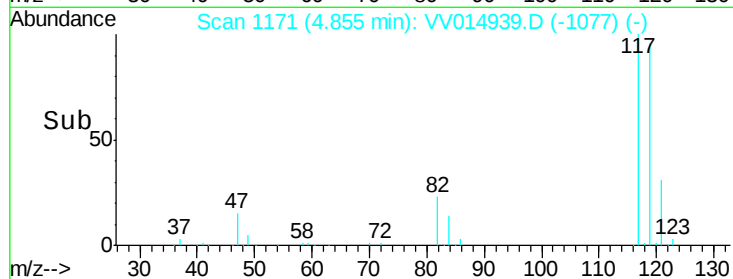
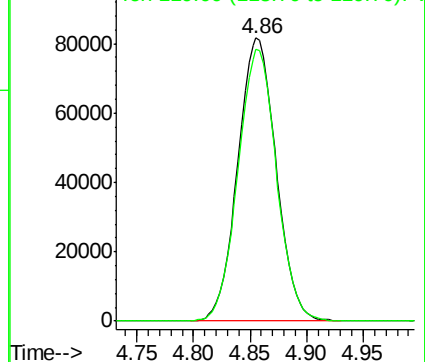
117 100

119 96.5 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: 50.03 ug/L

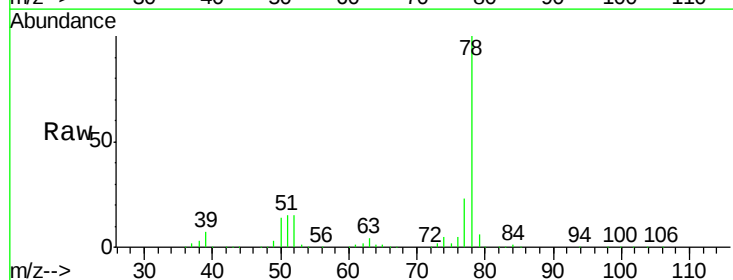
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

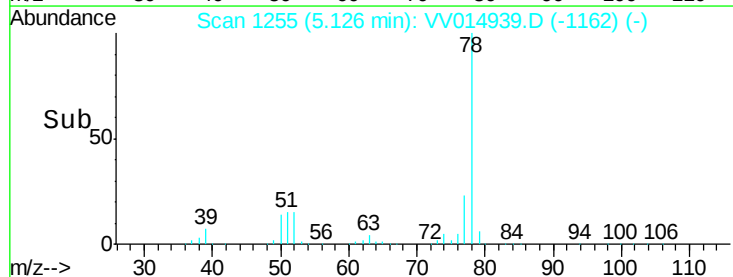
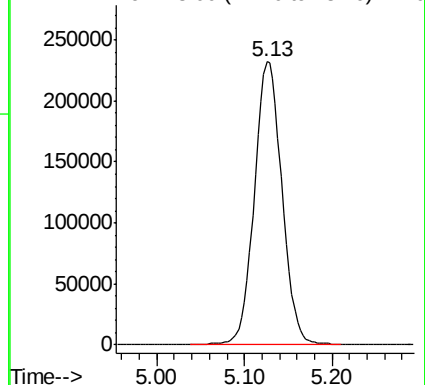
Lab File: VV014939.D

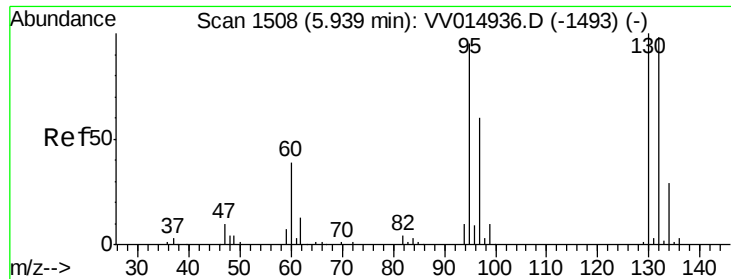
Acq: 16 Mar 2020 12:05

Tgt Ion: 78 Resp: 509241



Abundance Ion 78.00 (77.70 to 78.70): VV0

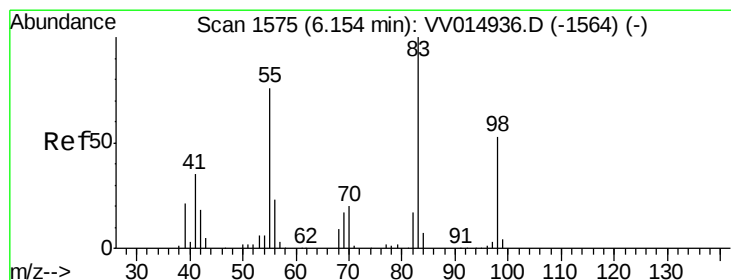
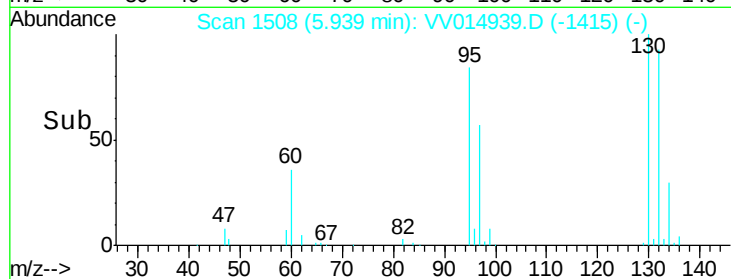
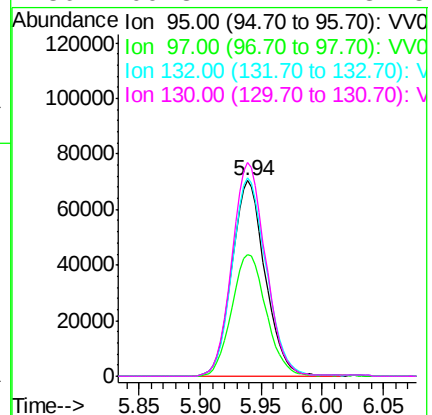
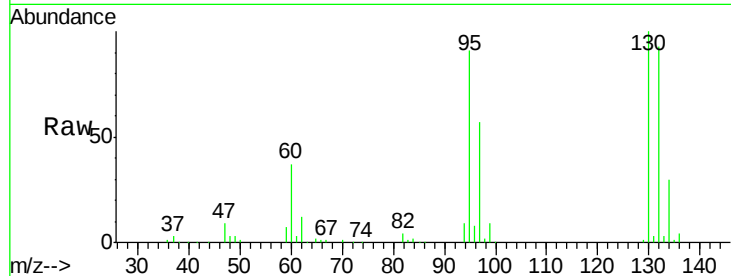




#34
 Trichloroethene
 Concen: 49.23 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014939.D
 Acq: 16 Mar 2020 12:05

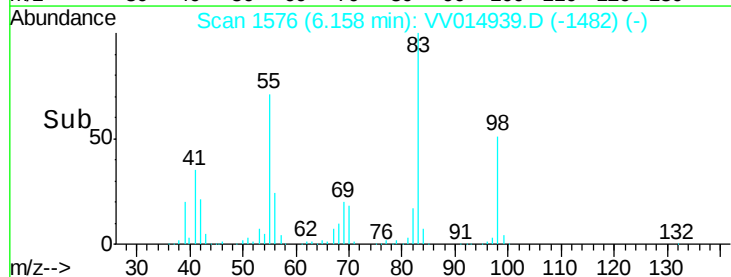
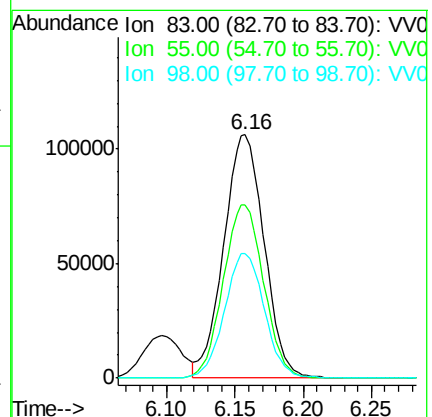
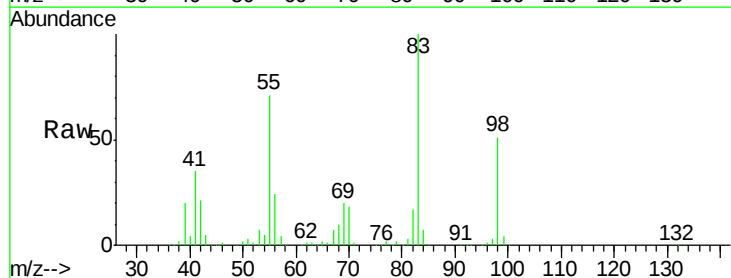
Instrument :
 MSVOA_V
 ClientSampled :
 VICV62

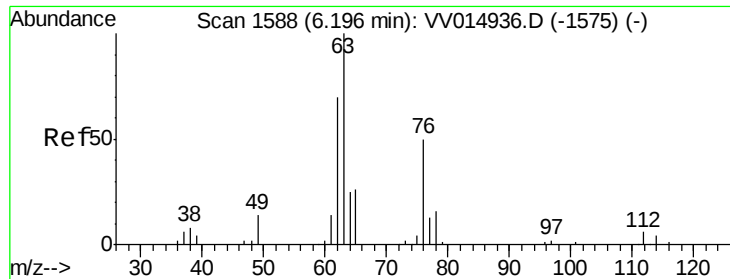
Tgt Ion: 95 Resp: 134459
 Ion Ratio Lower Upper
 95 100
 97 62.5 44.4 82.4
 132 101.4 72.4 134.4
 130 109.3 74.1 137.5



#35
 Methylcyclohexane
 Concen: 49.46 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV014939.D
 Acq: 16 Mar 2020 12:05

Tgt Ion: 83 Resp: 217951
 Ion Ratio Lower Upper
 83 100
 55 71.3 57.5 86.3
 98 50.6 39.5 59.3





#37

1,2-Dichloropropane

Concen: 49.61 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

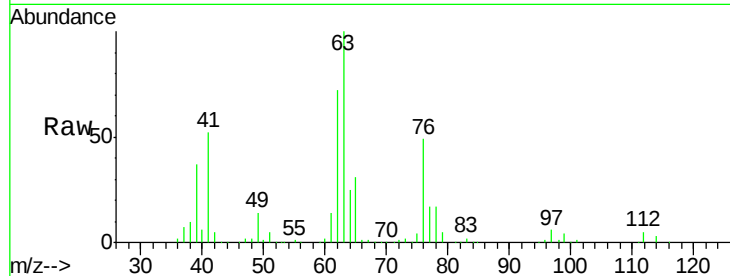
VICV62

Tgt Ion: 63 Resp: 126541

Ion Ratio Lower Upper

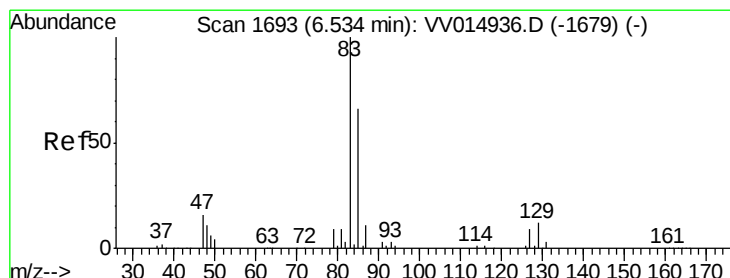
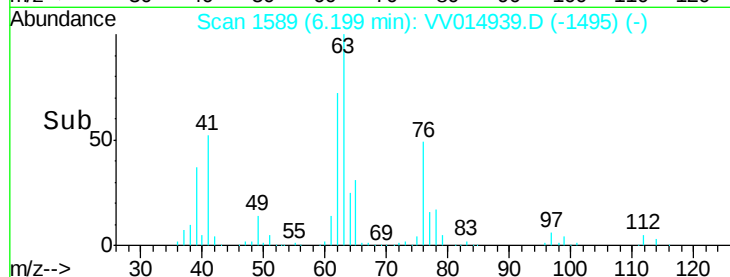
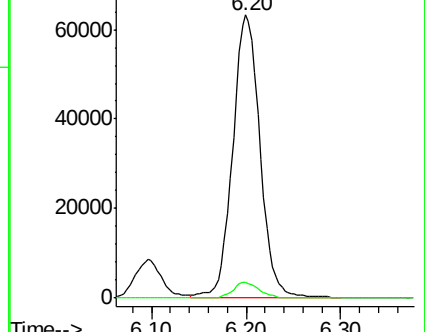
63 100

112 5.3 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV014939.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV014939.D (-1495) (-)



#38

Bromodichloromethane

Concen: 49.61 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

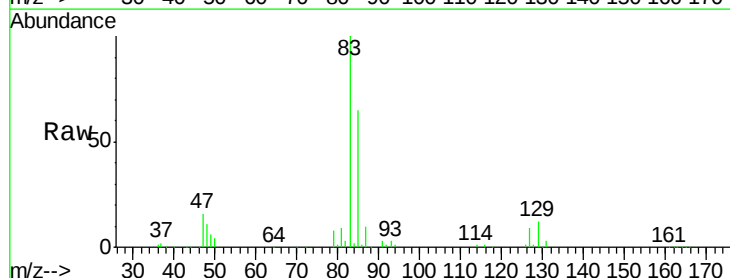
Tgt Ion: 83 Resp: 179359

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4

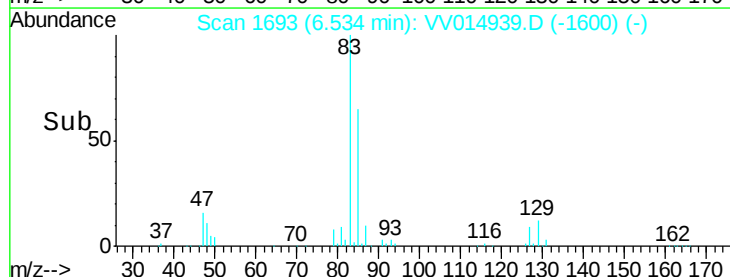
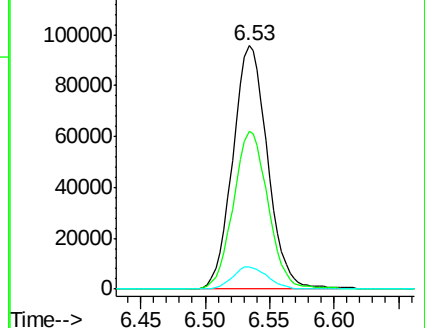
127 9.1 7.5 11.3

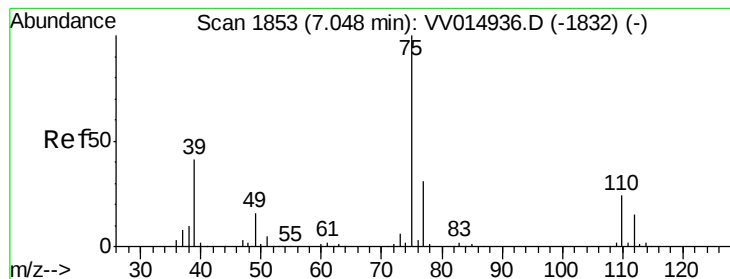


Abundance Ion 83.00 (82.70 to 83.70): VV014939.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV014939.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV014939.D (-1600) (-)



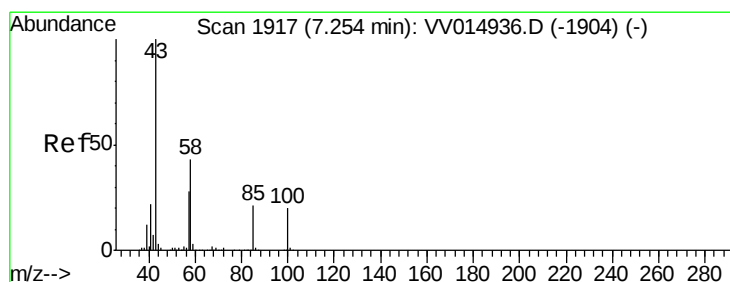
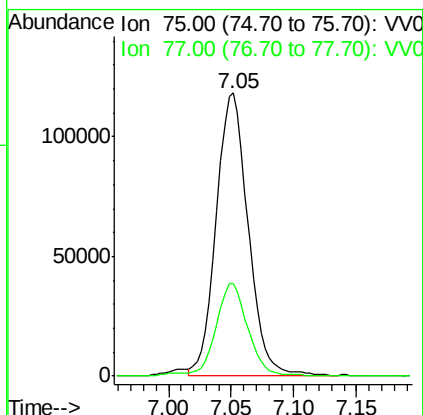
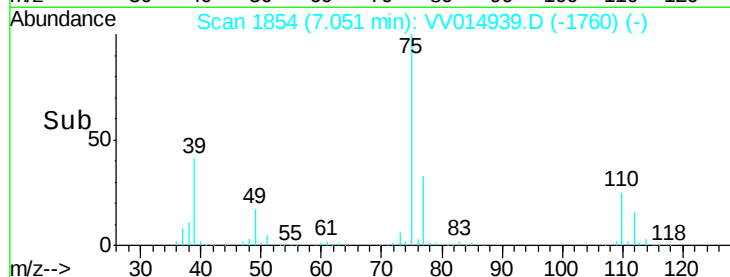
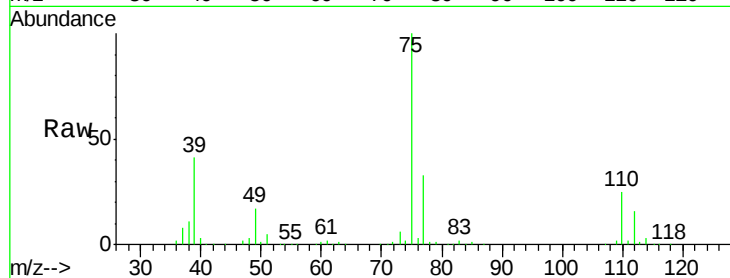


#39

cis-1,3-Dichloropropene
Concen: 49.87 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Instrument :
MSVOA_V
ClientSampleId :
VICV62

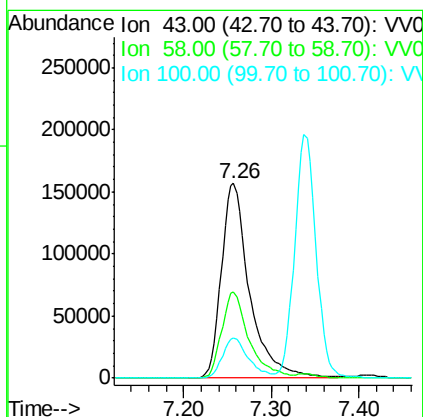
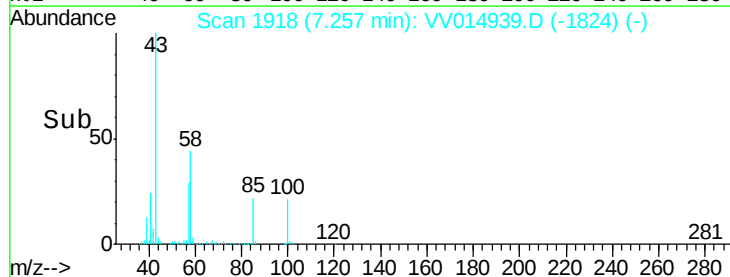
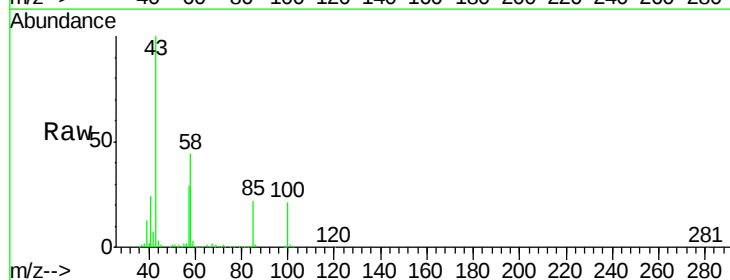
Tgt Ion: 75 Resp: 209080
Ion Ratio Lower Upper
75 100
77 32.7 21.8 40.6

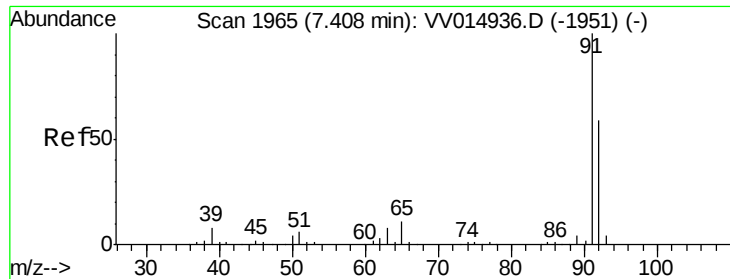


#40

4-Methyl-2-pentanone
Concen: 102.69 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 43 Resp: 352326
Ion Ratio Lower Upper
43 100
58 42.8 33.9 50.9
100 18.9 15.1 22.7





#42

Toluene

Concen: 50.69 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

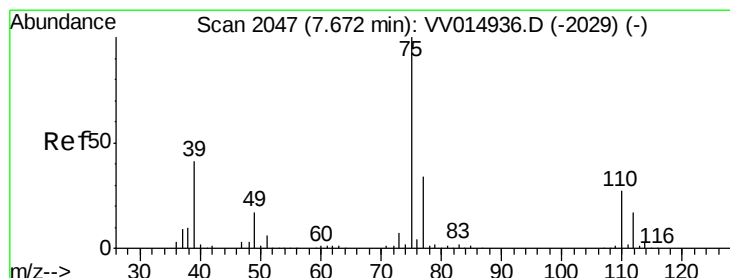
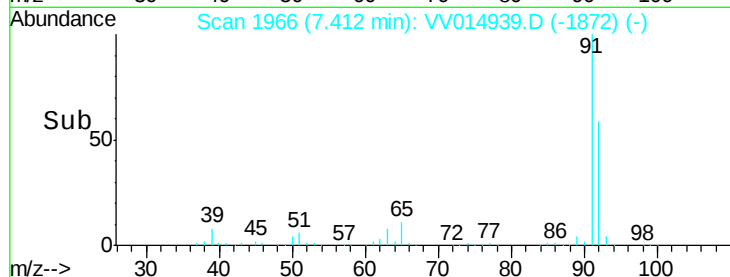
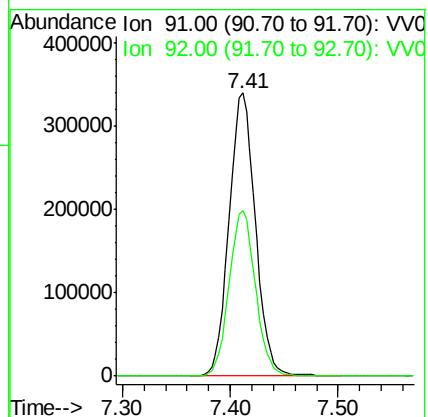
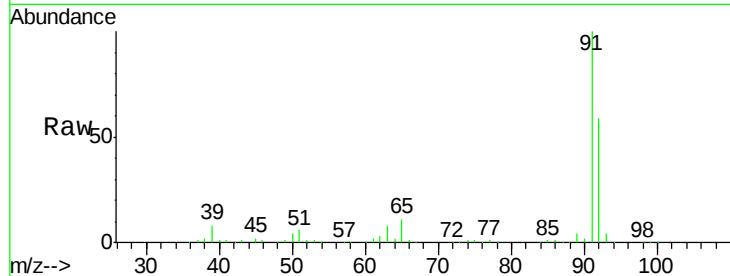
VICV62

Tgt Ion: 91 Resp: 580563

Ion Ratio Lower Upper

91 100

92 58.5 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 52.33 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014939.D

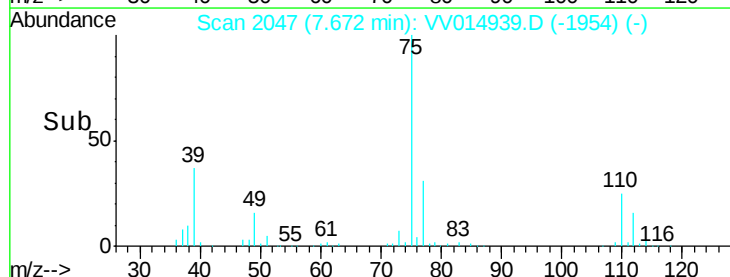
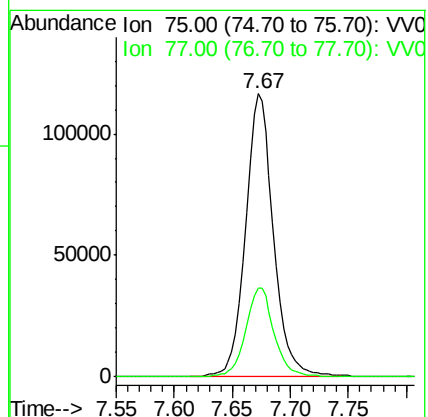
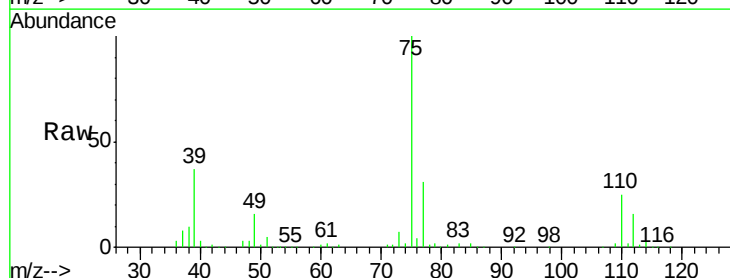
Acq: 16 Mar 2020 12:05

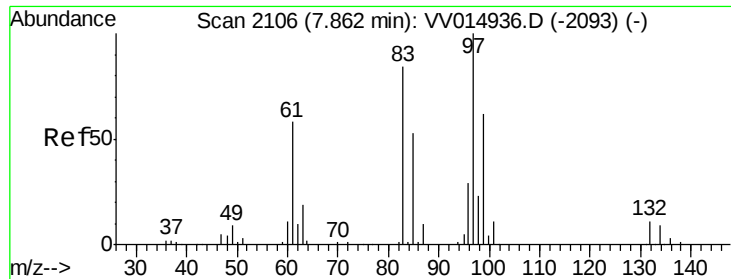
Tgt Ion: 75 Resp: 195206

Ion Ratio Lower Upper

75 100

77 31.4 23.5 43.7

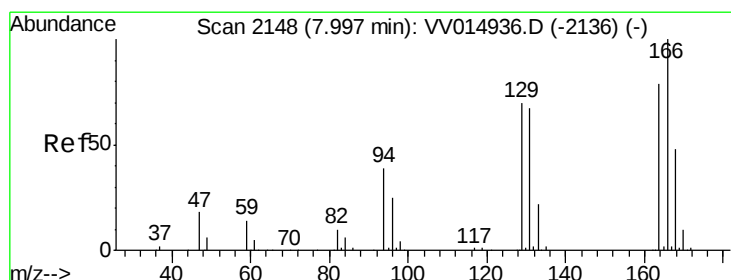
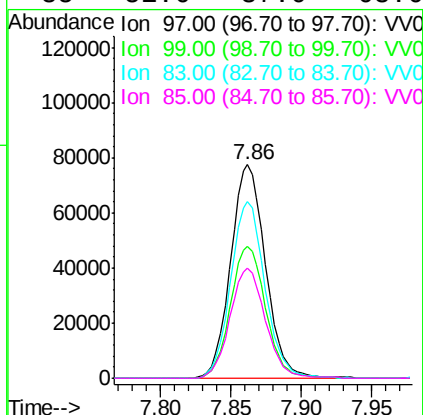
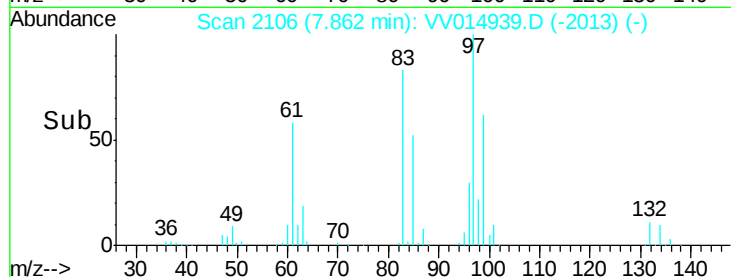
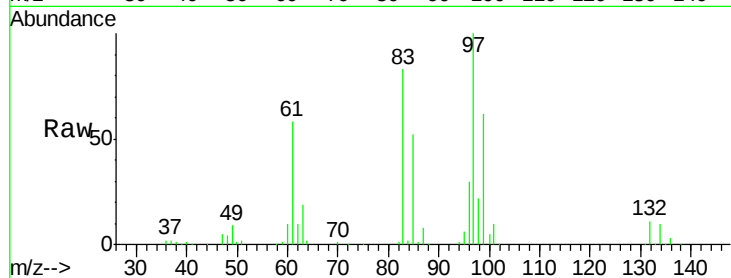




#45
1,1,2-Trichloroethane
Concen: 50.42 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

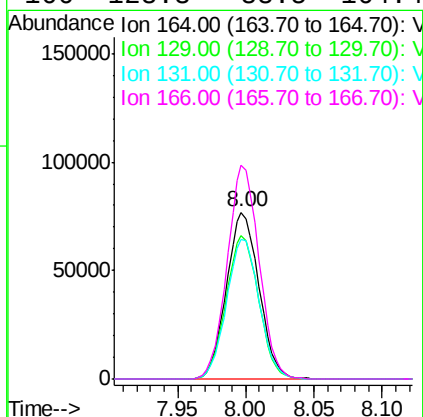
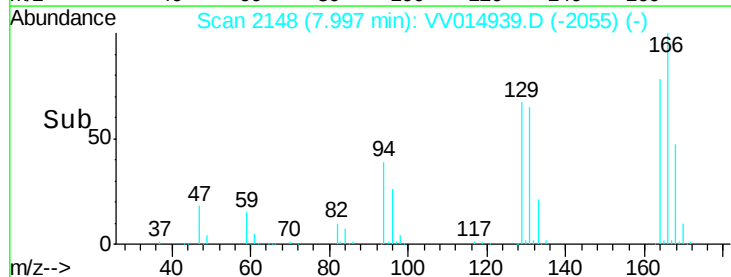
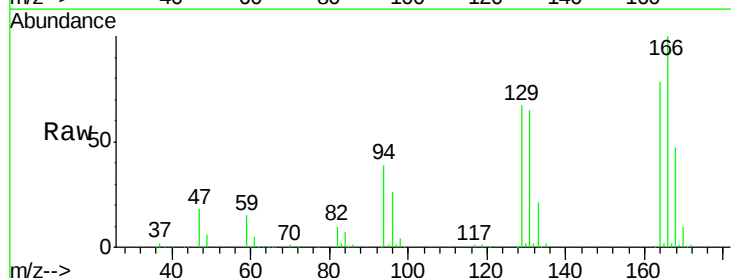
Instrument :
MSVOA_V
ClientSampled :
VICV62

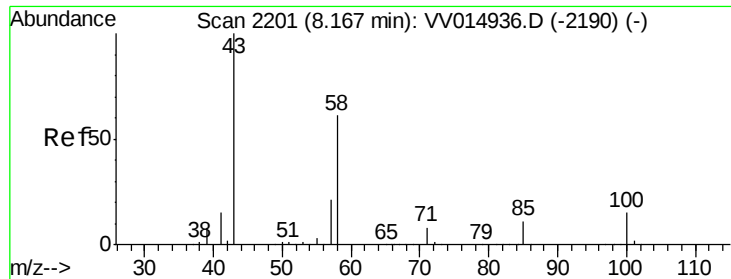
Tgt Ion:	97	Resp:	133912
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.7	81.1
83	83.0	58.6	108.8
85	51.6	37.0	68.6



#46
Tetrachloroethene
Concen: 49.94 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion:	164	Resp:	127435
Ion	Ratio	Lower	Upper
164	100		
129	86.3	62.0	115.2
131	83.8	59.5	110.5
166	128.3	88.5	164.4

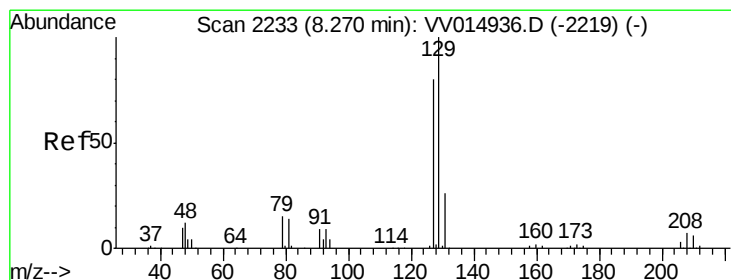
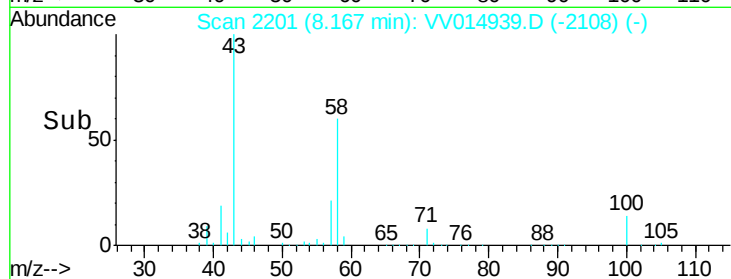
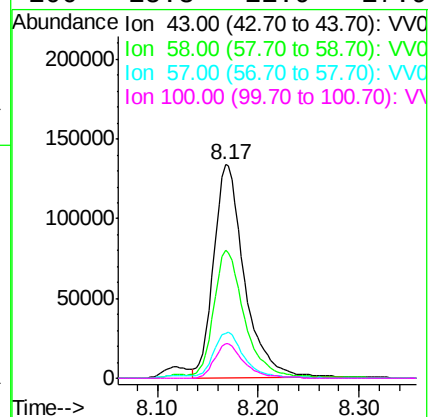
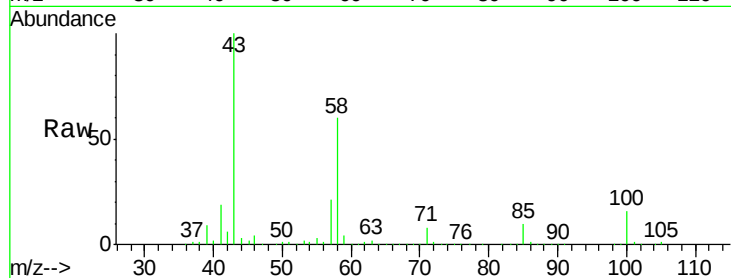




#48
2-Hexanone
Concen: 104.30 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

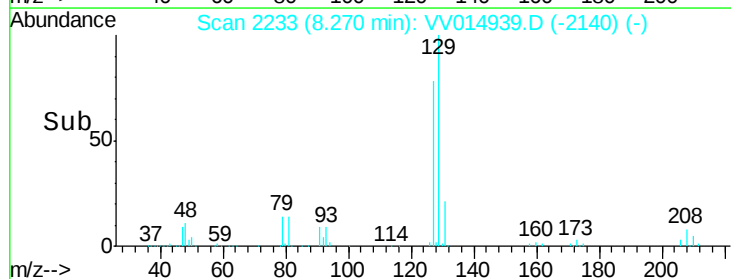
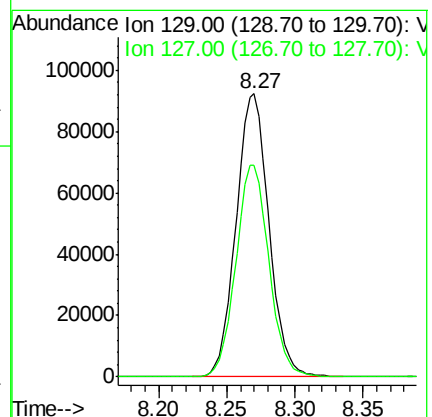
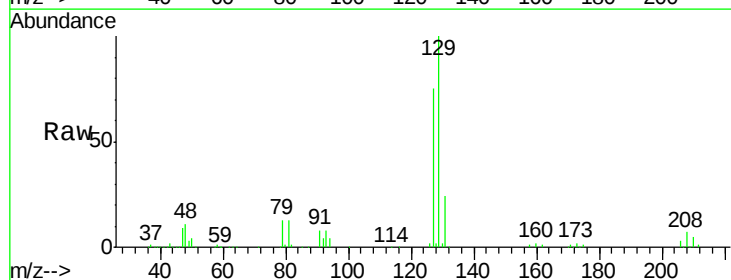
Instrument :
MSVOA_V
ClientSampleId :
VICV62

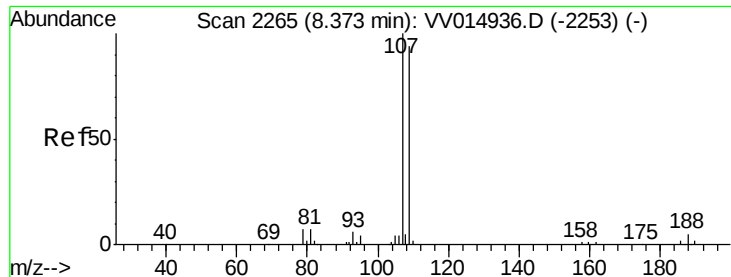
Tgt Ion: 43 Resp: 284213
Ion Ratio Lower Upper
43 100
58 57.0 46.9 70.3
57 20.7 16.2 24.4
100 15.3 11.9 17.9



#49
Dibromochloromethane
Concen: 51.77 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion: 129 Resp: 154682
Ion Ratio Lower Upper
129 100
127 74.9 55.9 103.9

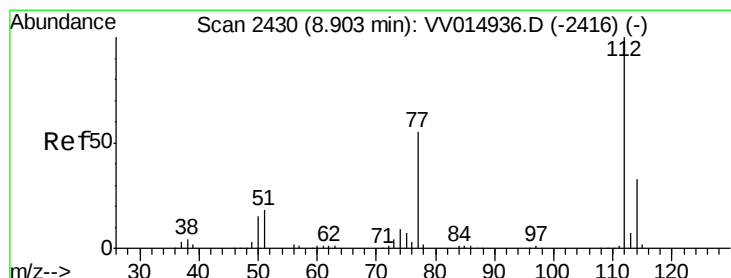
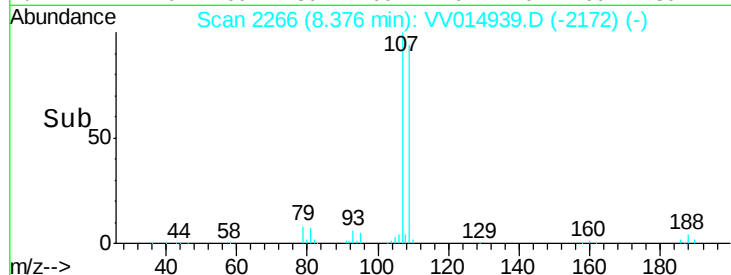
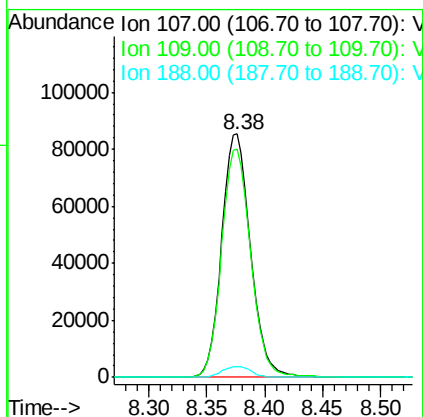
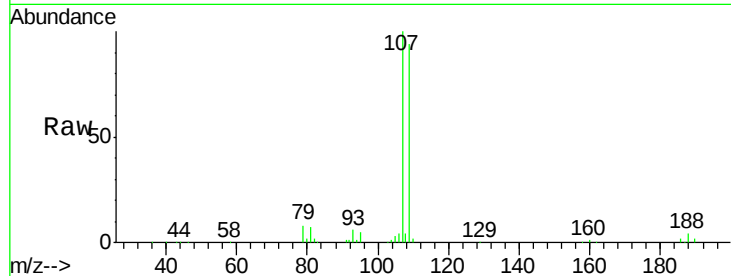




#50
1,2-Dibromoethane
Concen: 50.49 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

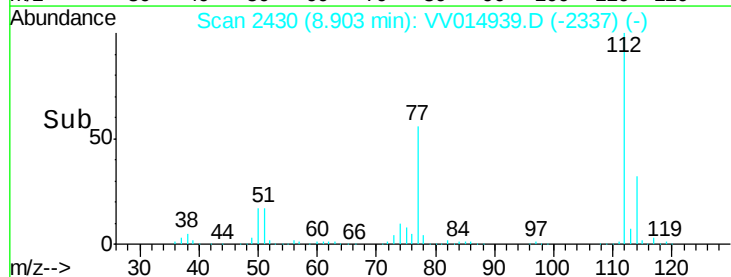
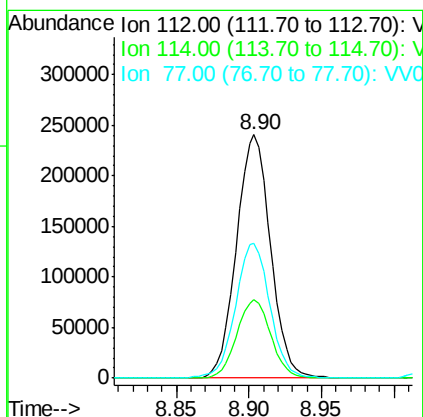
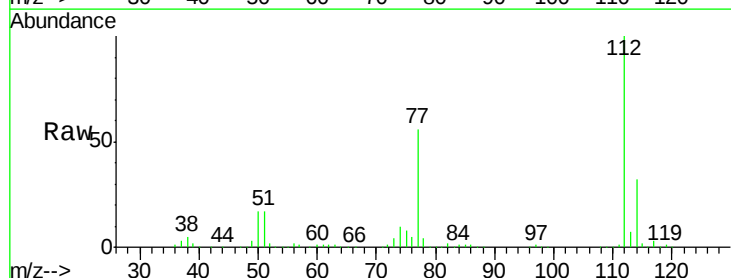
Instrument :
MSVOA_V
ClientSampled :
VICV62

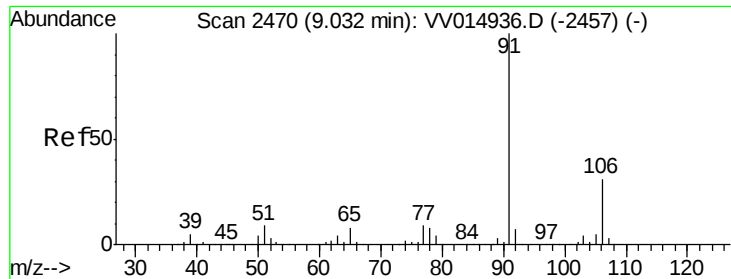
Tgt Ion:107 Resp: 147096
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.7
188 4.5 4.0 6.0



#51
Chlorobenzene
Concen: 49.81 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014939.D
Acq: 16 Mar 2020 12:05

Tgt Ion:112 Resp: 392840
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 55.5 44.5 66.7





#52

Ethylbenzene

Concen: 50.67 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

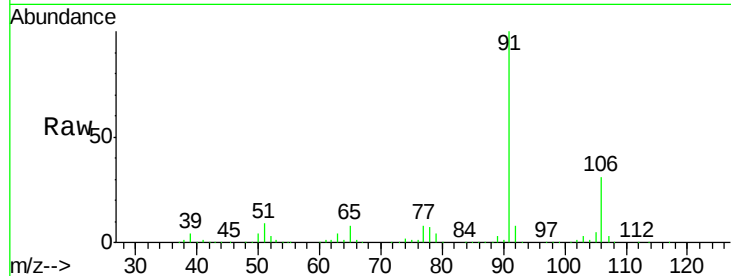
VICV62

Tgt Ion: 91 Resp: 661460

Ion Ratio Lower Upper

91 100

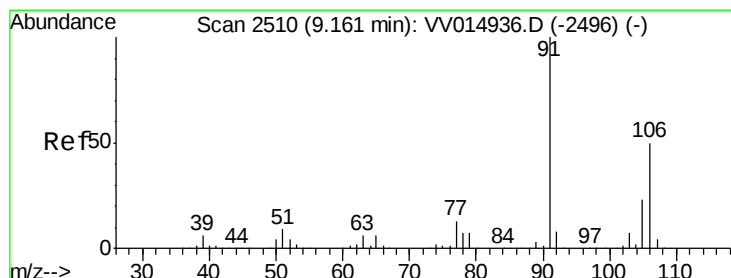
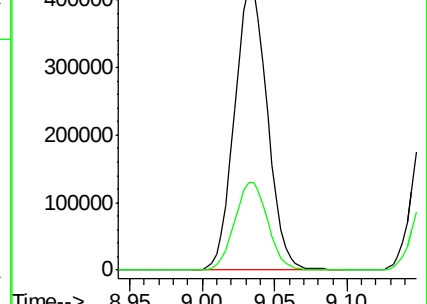
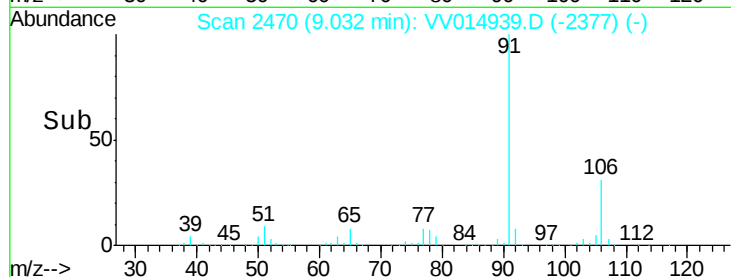
106 31.0 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV014939.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV014939.D (-2457) (-)

Time-->



#53

m,p-Xylene

Concen: 50.29 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014939.D

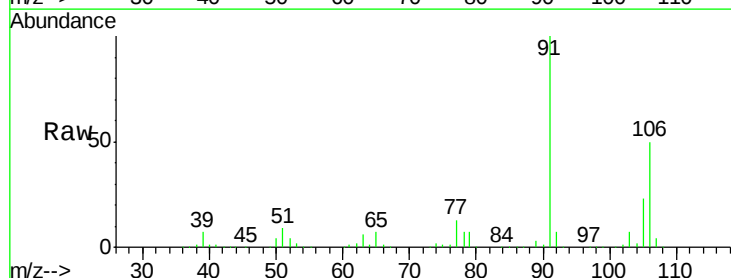
Acq: 16 Mar 2020 12:05

Tgt Ion: 106 Resp: 254755

Ion Ratio Lower Upper

106 100

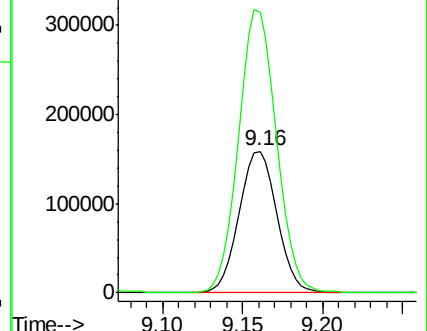
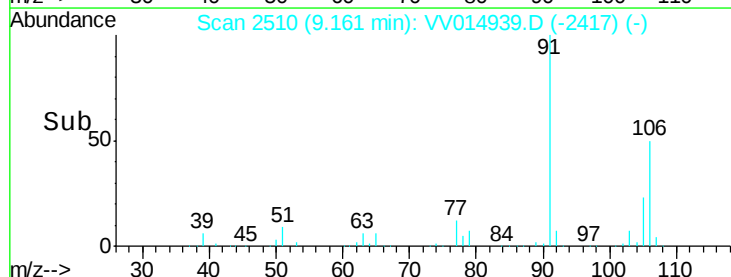
91 198.4 140.3 260.6

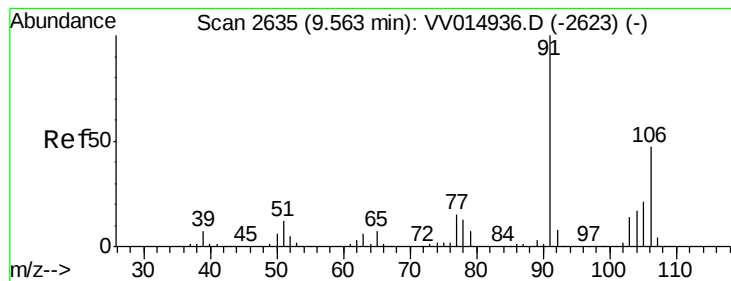


Abundance Ion 106.00 (105.70 to 106.70): VV014939.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV014939.D (-2496) (-)

Time-->





#54

o-xylene

Concen: 50.21 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

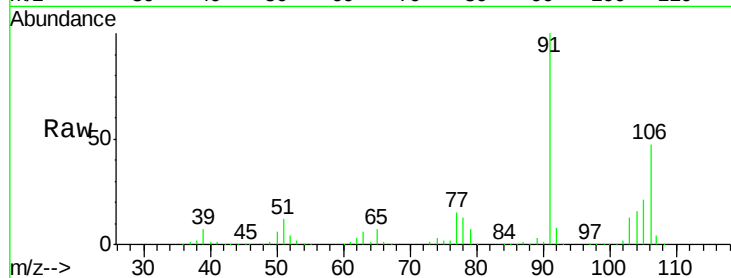
VICV62

Tgt Ion:106 Resp: 252180

Ion Ratio Lower Upper

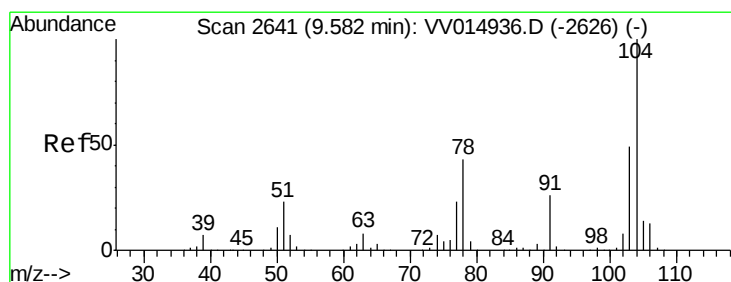
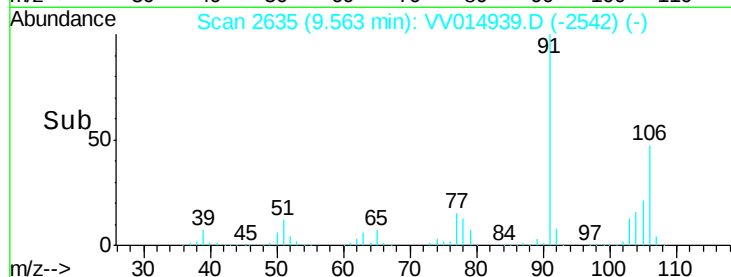
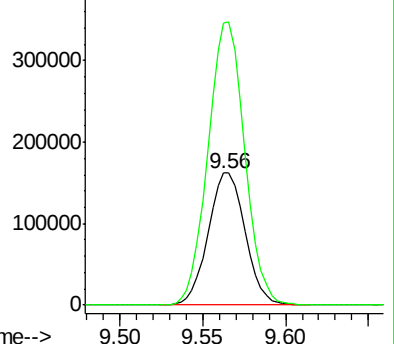
106 100

91 213.3 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.25 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014939.D

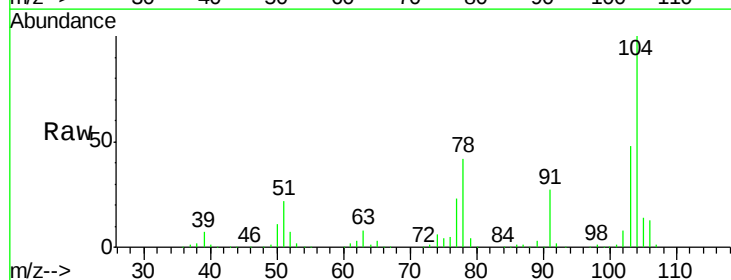
Acq: 16 Mar 2020 12:05

Tgt Ion:104 Resp: 438101

Ion Ratio Lower Upper

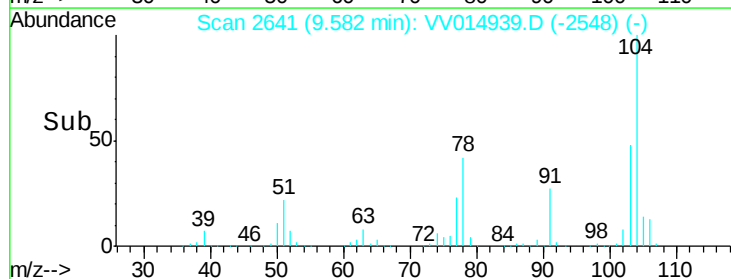
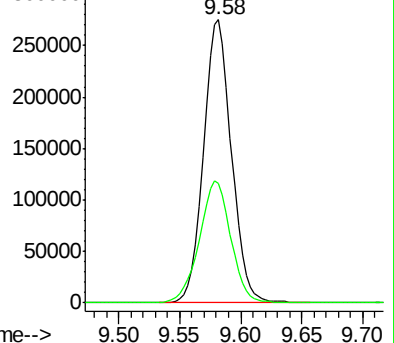
104 100

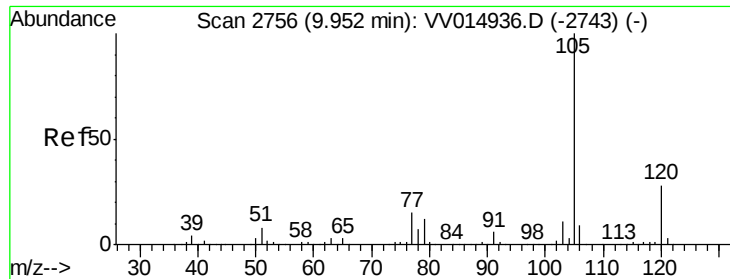
78 42.4 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.38 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

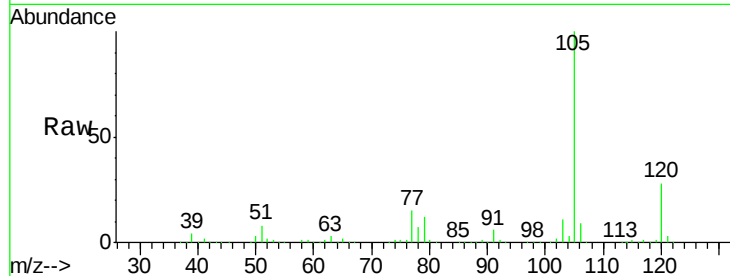
Tgt Ion: 105 Resp: 667195

Ion Ratio Lower Upper

105 100

120 27.5 21.6 32.4

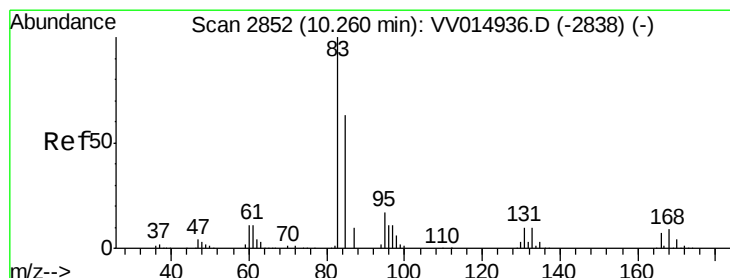
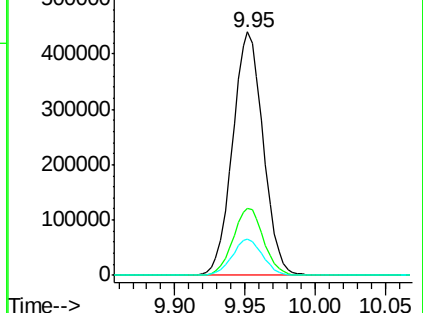
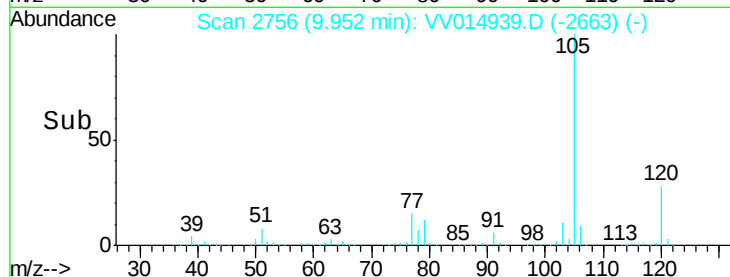
77 14.8 11.9 17.9



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: 50.02 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

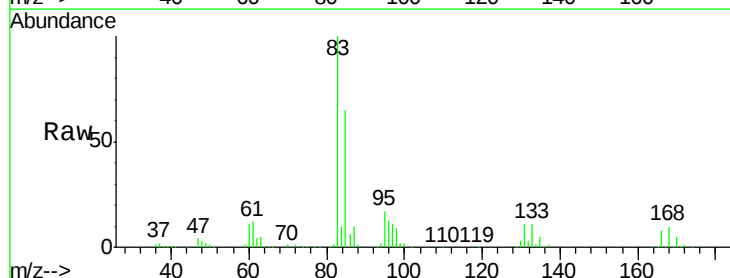
Tgt Ion: 83 Resp: 219781

Ion Ratio Lower Upper

83 100

85 64.5 44.0 81.6

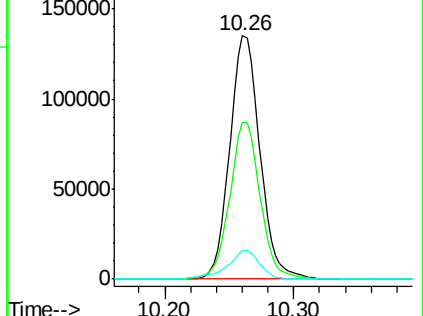
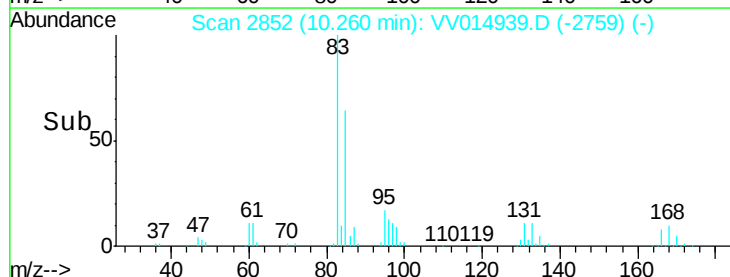
131 11.5 8.5 12.7

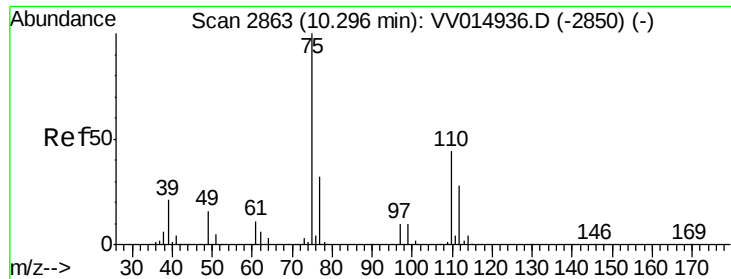


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.57 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

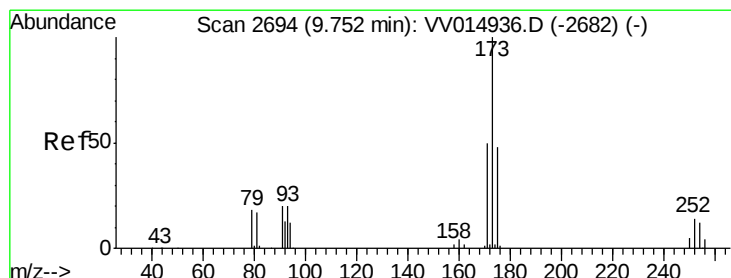
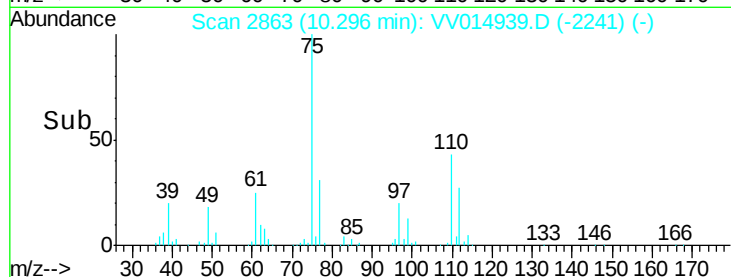
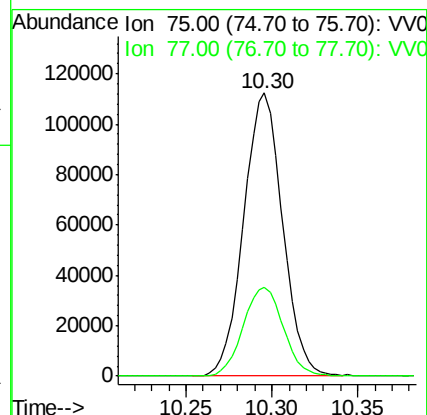
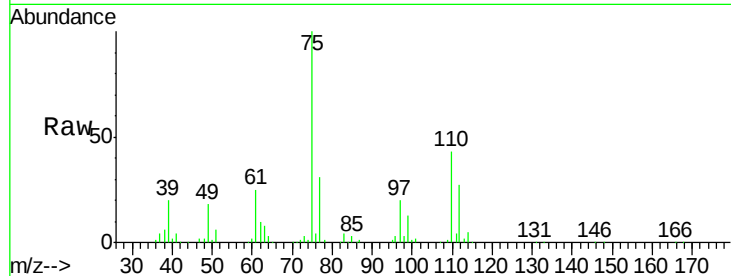
VICV62

Tgt Ion: 75 Resp: 176850

Ion Ratio Lower Upper

75 100

77 32.5 26.6 40.0



#61

Bromoform

Concen: 51.64 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

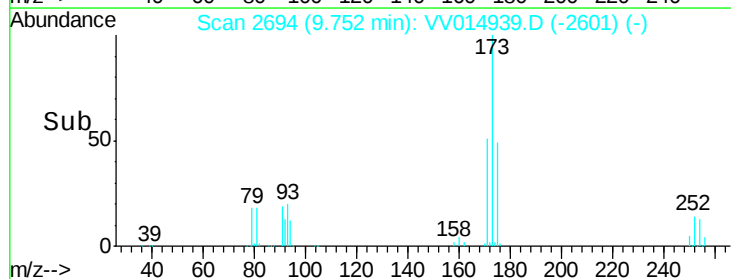
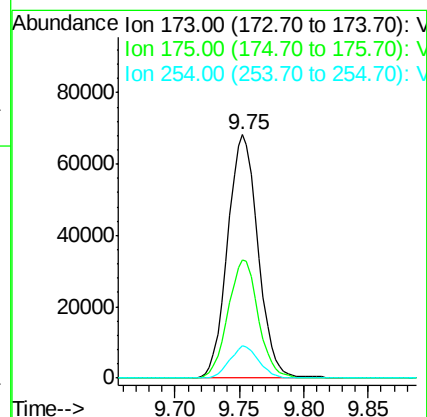
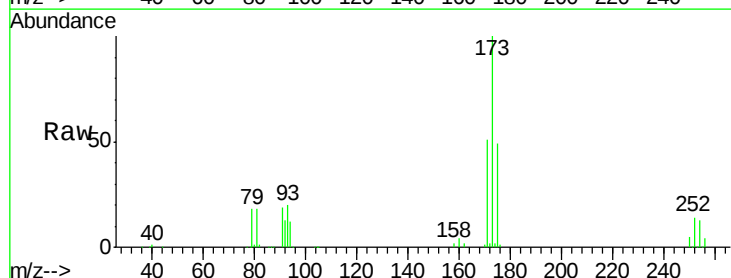
Tgt Ion: 173 Resp: 111635

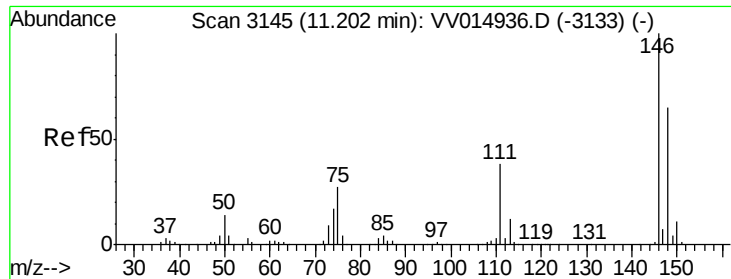
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

254 12.6 10.2 15.4





#62

1,3-Dichlorobenzene

Concen: 50.29 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

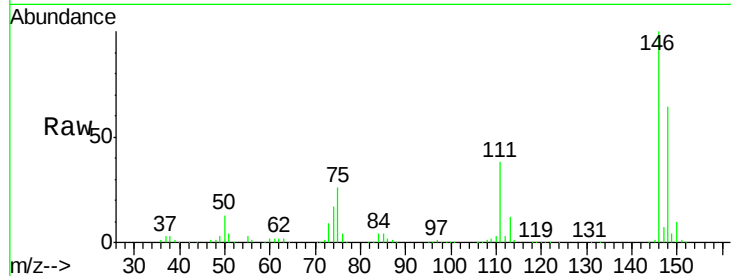
Tgt Ion:146 Resp: 333947

Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.3

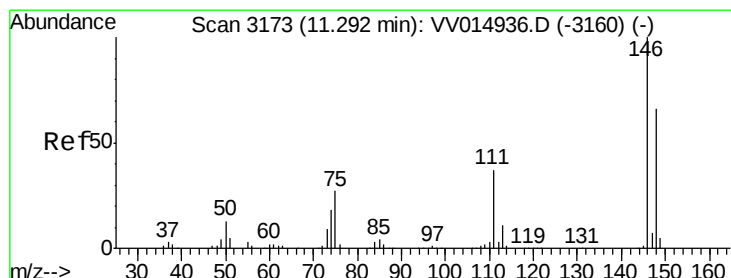
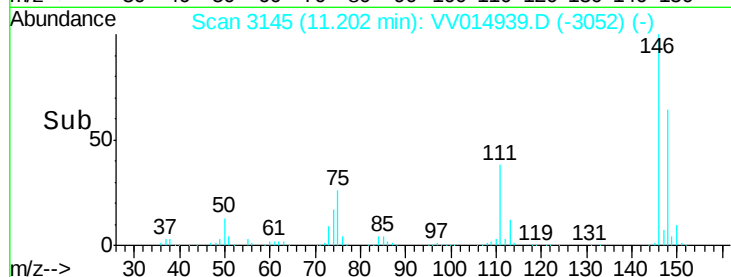
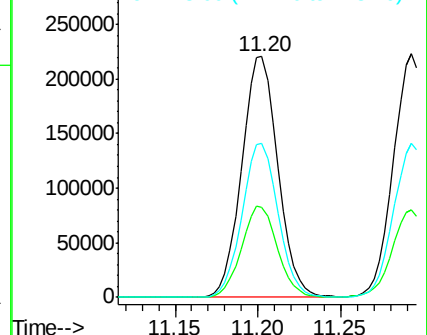
148 63.8 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.13 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

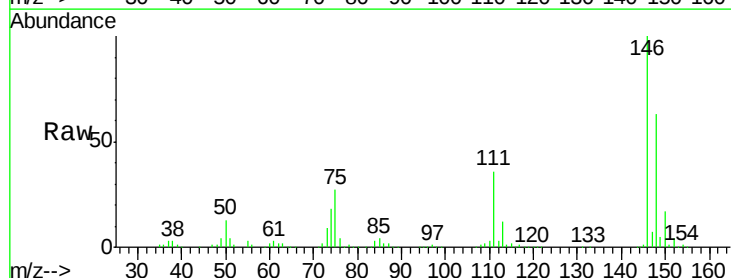
Tgt Ion:146 Resp: 335354

Ion Ratio Lower Upper

146 100

111 35.7 26.0 48.2

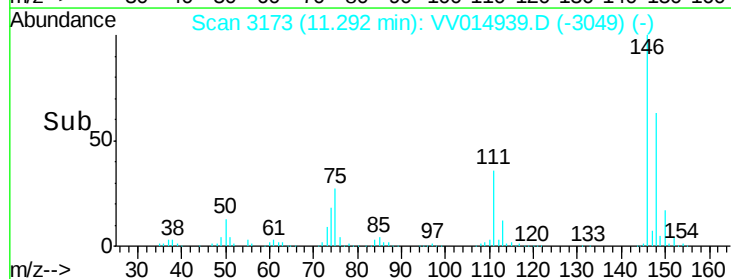
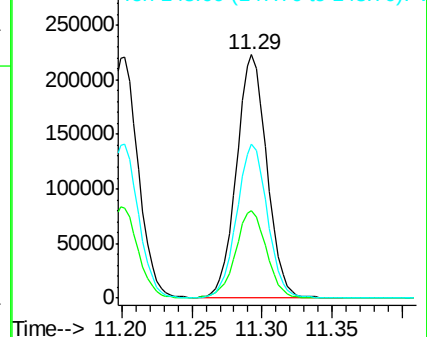
148 63.2 46.1 85.5

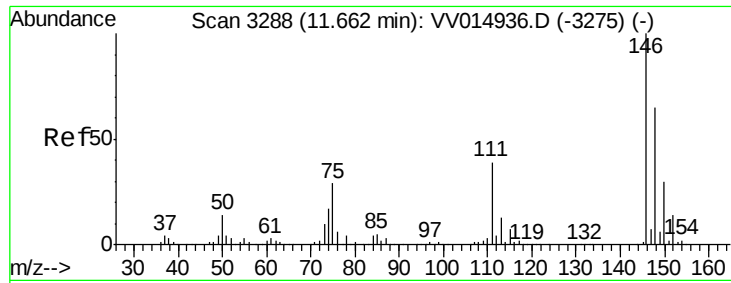


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.42 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

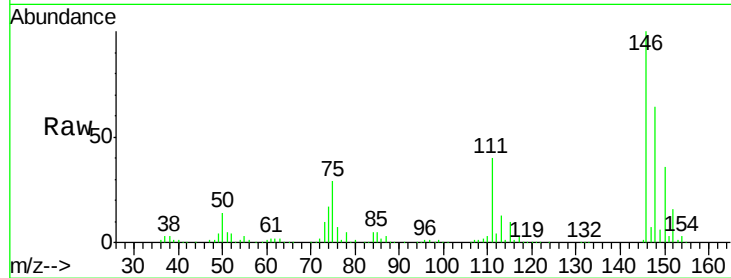
Tgt Ion:146 Resp: 334443

Ion Ratio Lower Upper

146 100

111 39.7 31.6 47.4

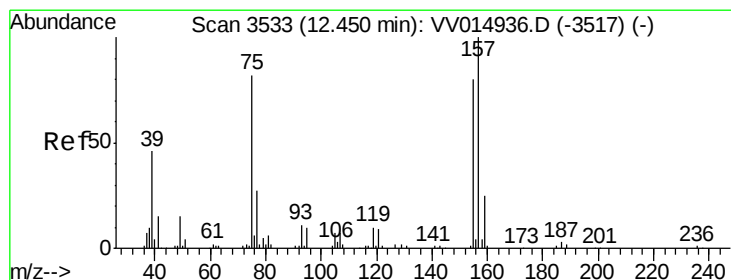
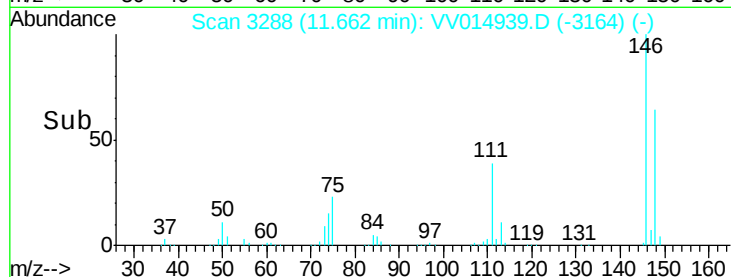
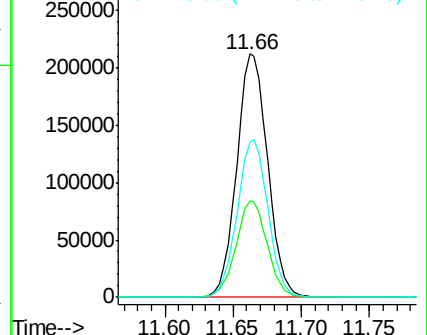
148 63.7 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.96 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

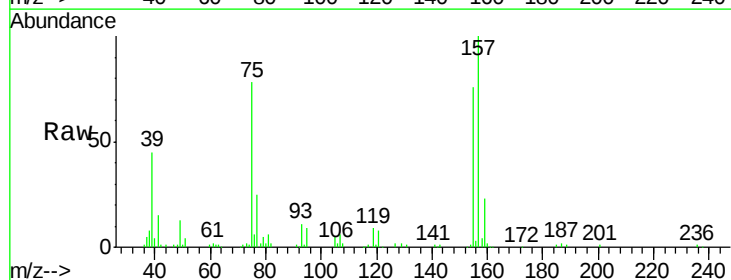
Tgt Ion: 75 Resp: 50816

Ion Ratio Lower Upper

75 100

155 97.9 77.7 116.5

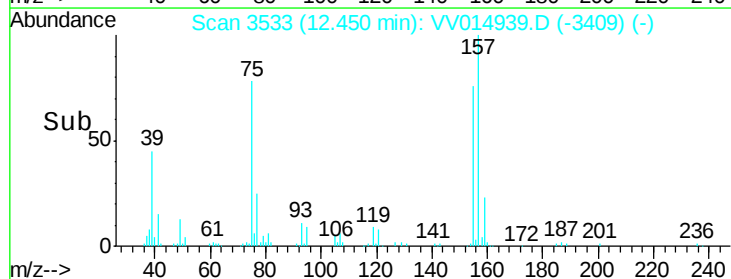
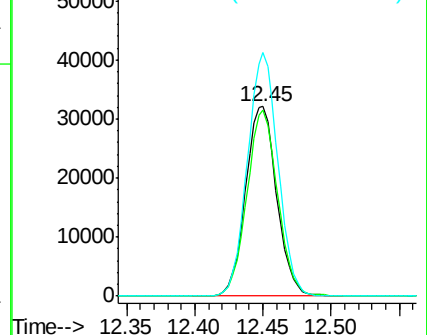
157 128.4 97.2 145.8

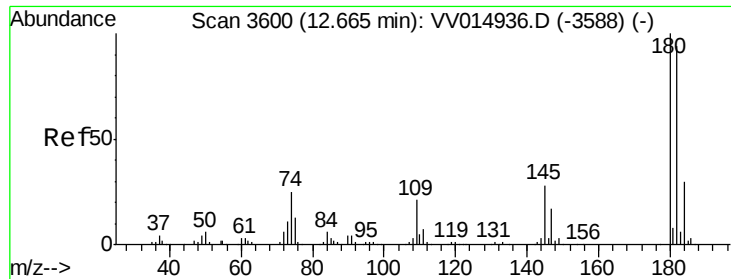


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

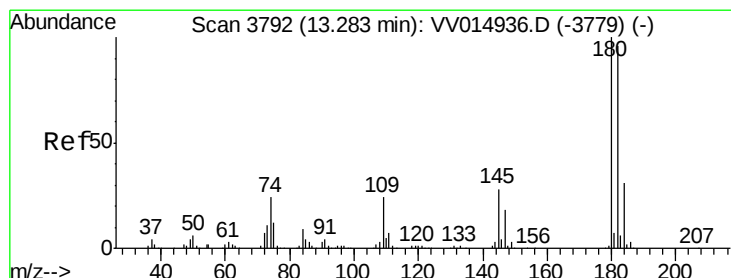
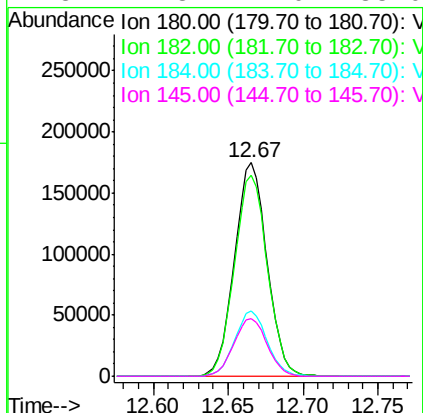
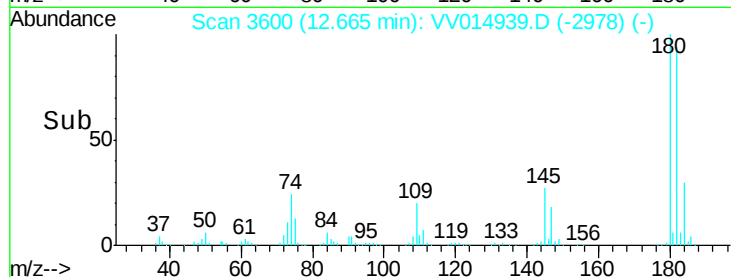
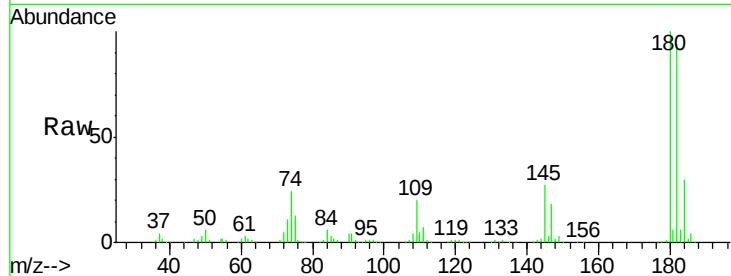




#67
 1,3,5-Trichlorobenzene
 Concen: 50.75 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014939.D
 Acq: 16 Mar 2020 12:05

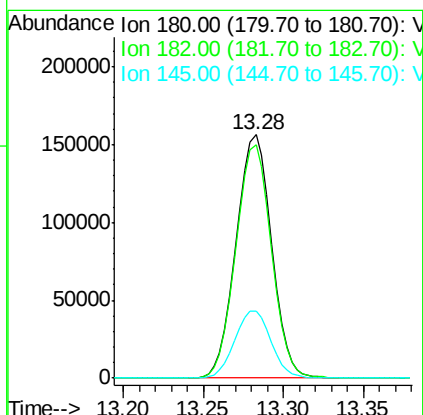
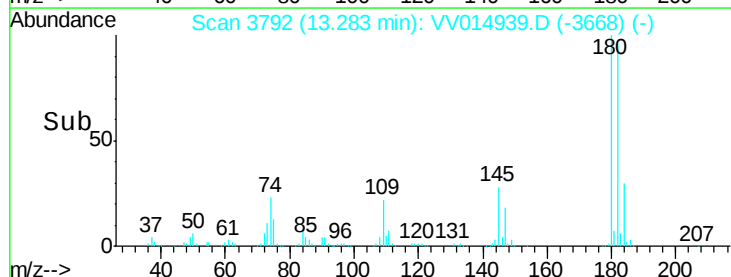
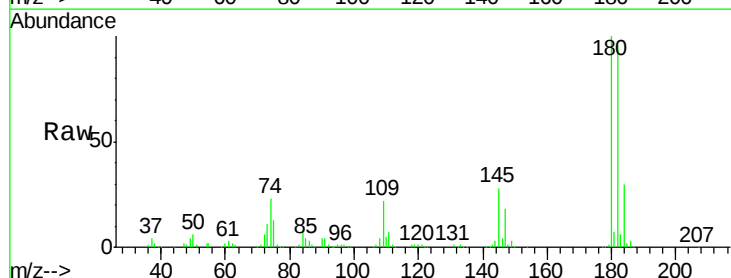
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

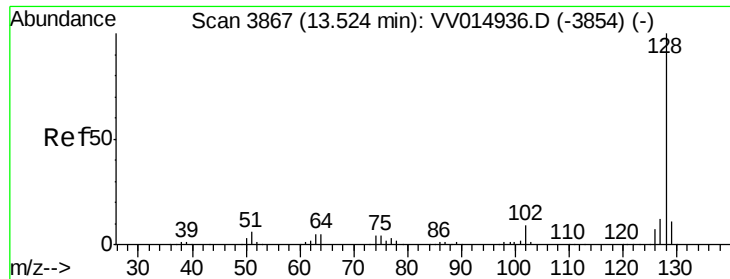
Tgt Ion:180 Resp: 264228
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.7 113.5
 184 30.5 24.2 36.4
 145 27.8 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 50.92 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014939.D
 Acq: 16 Mar 2020 12:05

Tgt Ion:180 Resp: 236309
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.3 114.5
 145 28.3 23.1 34.7





#69

Naphthalene

Concen: 54.27 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

VICV62

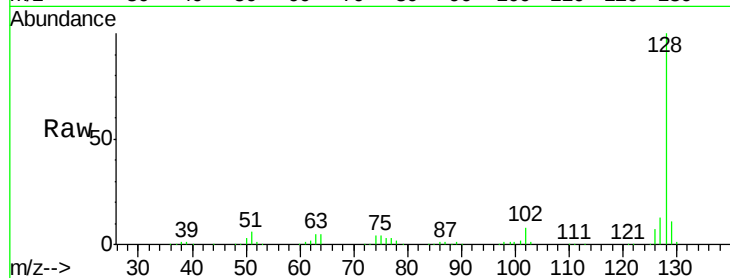
Tgt Ion:128 Resp: 323510

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

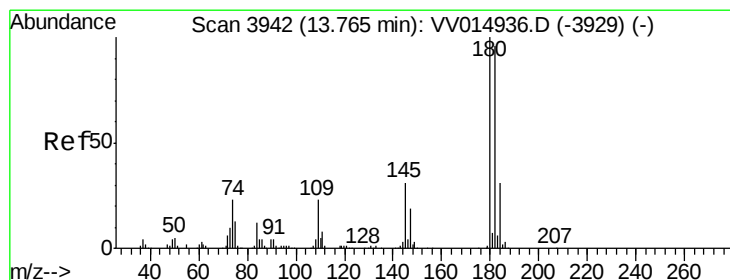
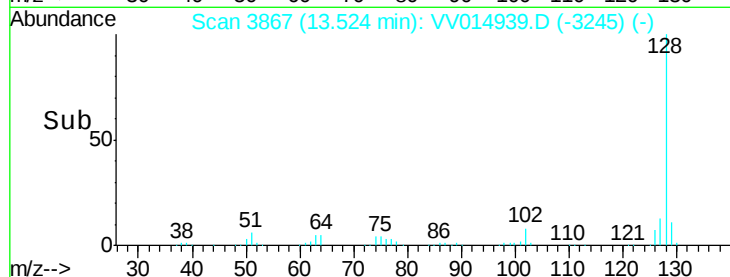
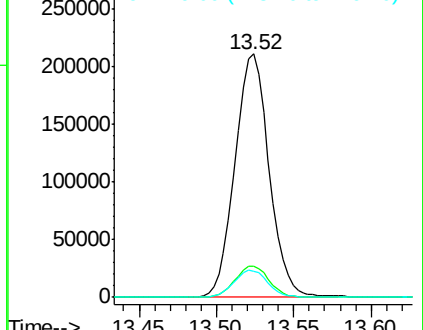
129 11.1 8.6 13.0



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: 53.11 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014939.D

Acq: 16 Mar 2020 12:05

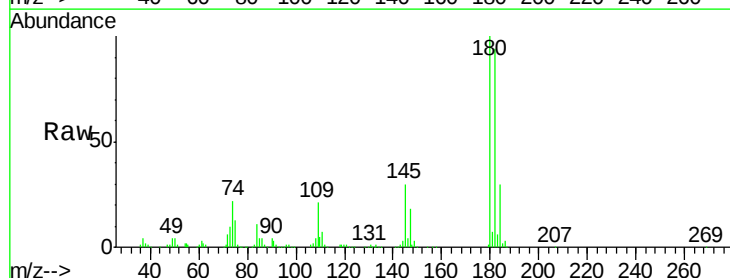
Tgt Ion:180 Resp: 243960

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

145 29.3 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

