

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
 Data File : VV014249.D
 Acq On : 02 Jan 2020 15:05
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:04:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	898853	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	828858	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	386458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	603368	12.96	ug/L	0.00
7) Chloroethane-d5	1.58	69	449902	11.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	864180	10.76	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1560032	134.41	ug/L	0.00
24) Chloroform-d	4.40	84	1184543	10.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	588306	10.98	ug/L	0.00
32) Benzene-d6	5.10	84	2388979	10.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	752993	10.65	ug/L	0.00
41) Toluene-d8	7.36	98	2171647	10.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	331782	10.44	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1433374	116.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	526354	10.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	692362	9.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	668762	9.692 ug/L	100
3) Chloromethane	1.26	50	646050	10.133 ug/L	99
5) Vinyl chloride	1.32	62	594137	9.813 ug/L	98
6) Bromomethane	1.54	94	336146	11.521 ug/L	98
8) Chloroethane	1.60	64	322941	9.972 ug/L	99
9) Trichlorofluoromethane	1.77	101	715131	9.345 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	376706	9.086 ug/L	99
12) 1,1-Dichloroethene	2.14	96	372680	9.165 ug/L	87
13) Acetone	2.23	43	916034	128.372 ug/L	96
14) Carbon disulfide	2.32	76	1711033	9.718 ug/L	100
15) Methyl Acetate	2.47	43	248262	11.004 ug/L	100
16) Methylene chloride	2.54	84	591781	8.810 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	1446052	9.637 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	589701	9.444 ug/L	98
19) 1,1-Dichloroethane	3.23	63	1147246	9.821 ug/L	97
21) 2-Butanone	4.04	43	1587092	123.888 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	654043	9.626 ug/L	# 98
23) Bromochloromethane	4.30	128	251155	9.518 ug/L	97
25) Chloroform	4.42	83	1100951	9.457 ug/L	99
27) 1,2-Dichloroethane	5.18	62	672622	10.099 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	948908	9.410 ug/L	100
30) Cyclohexane	4.72	56	1067523	9.578 ug/L	99
31) Carbon tetrachloride	4.87	117	807695	9.362 ug/L	98
33) Benzene	5.14	78	2454854	9.532 ug/L	100
34) Trichloroethene	5.96	95	630224	9.228 ug/L	99
35) Methylcyclohexane	6.17	83	1057378	9.193 ug/L	100
37) 1,2-Dichloropropane	6.22	63	624889	9.975 ug/L	99
38) Bromodichloromethane	6.55	83	813739	9.735 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1006206	9.764 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3907011	98.792 ug/L	99

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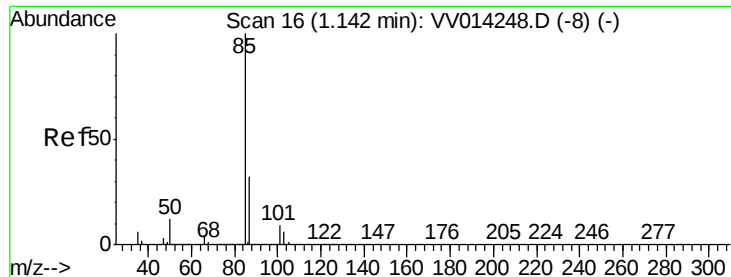
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:04:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:01:08 2020
 Response via : Initial Calibration

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

42) Toluene	7.43	91	2544435	9.029	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	790048	9.761	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	401075	9.434	ug/L	98
47) Tetrachloroethene	8.02	164	423857	8.885	ug/L	99
48) 2-Hexanone	8.18	43	2804653	102.496	ug/L	99
49) Dibromochloromethane	8.29	129	498625	9.223	ug/L	100
50) 1,2-Dibromoethane	8.39	107	383279	9.331	ug/L	99
51) Chlorobenzene	8.92	112	1586475	9.129	ug/L	98
52) Ethylbenzene	9.05	91	2878901	9.194	ug/L	100
53) m,p-xylene	9.18	106	1067806	9.100	ug/L	99
54) o-xylene	9.58	106	1041785	9.119	ug/L	100
55) Styrene	9.60	104	1784366	9.276	ug/L	98
56) Isopropylbenzene	9.97	105	2748621	9.140	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	483648	9.310	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	363612	9.433	ug/L	99
61) Bromoform	9.77	173	253653	9.011	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1157311	9.078	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	1145465	8.996	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1053210	9.048	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	92669	9.441	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	838140	9.026	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	742211	9.102	ug/L	99
69) Naphthalene	13.54	128	1543769	10.163	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	663190	9.301	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 9.692 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

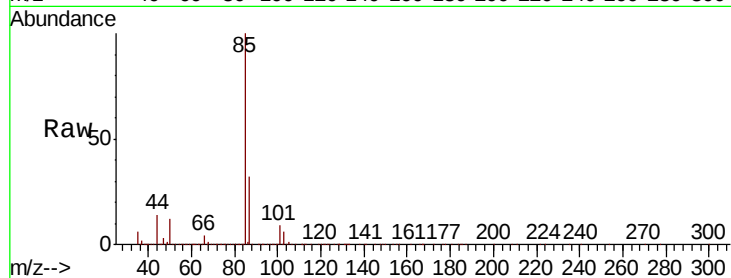
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 668762

Ion Ratio Lower Upper

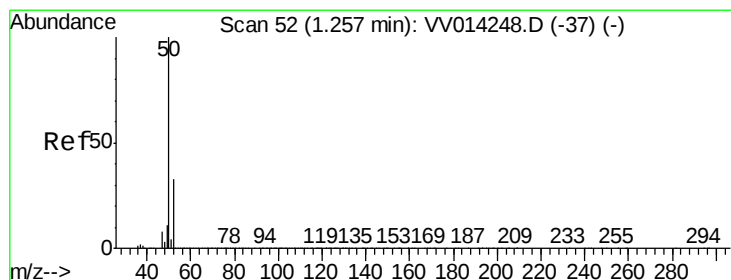
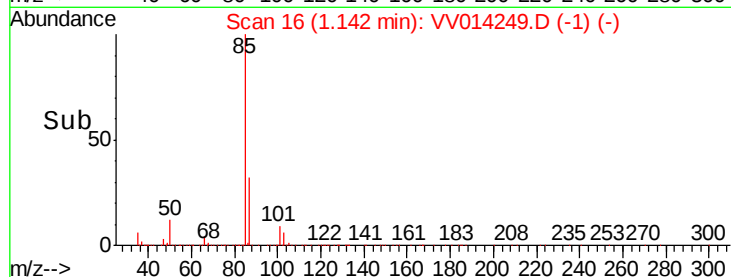
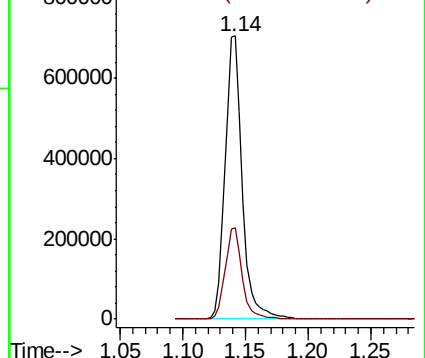
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 10.133 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014249.D

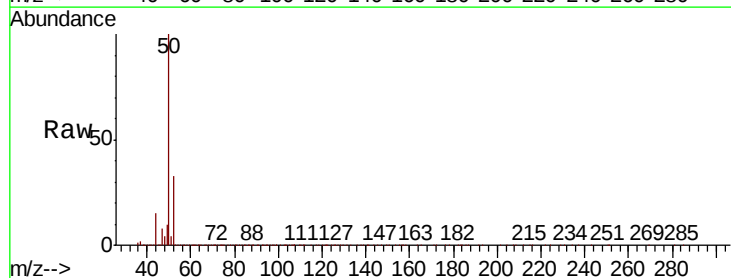
Acq: 02 Jan 2020 15:05

Tgt Ion: 50 Resp: 646050

Ion Ratio Lower Upper

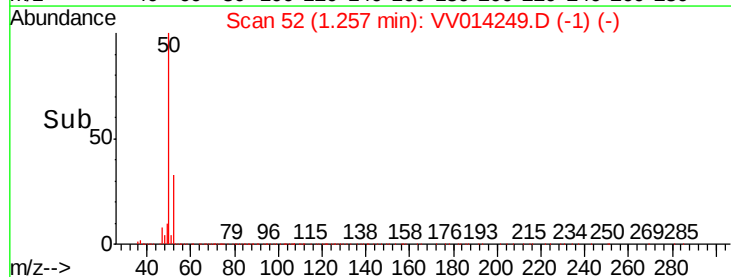
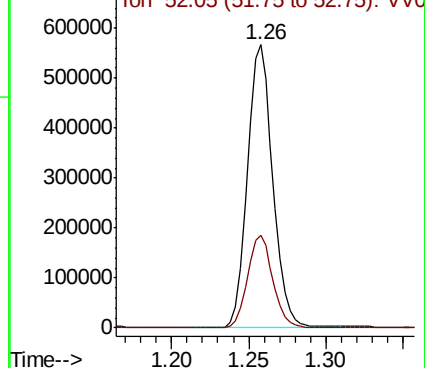
50 100

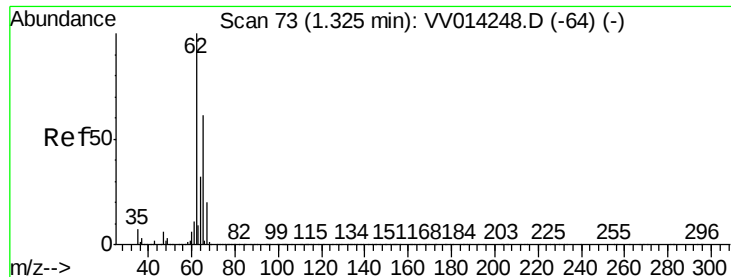
52 32.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 9.813 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

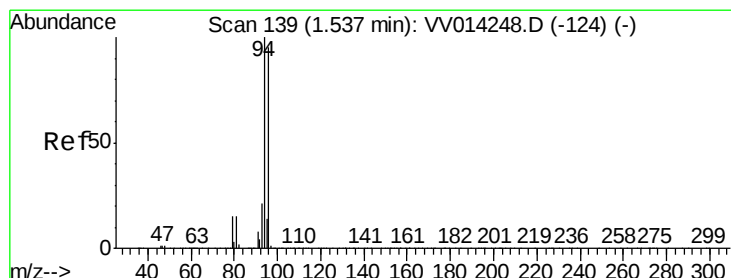
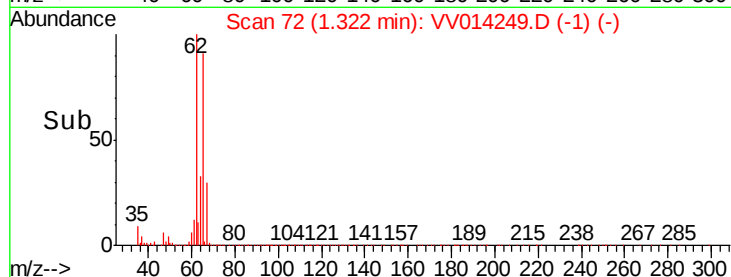
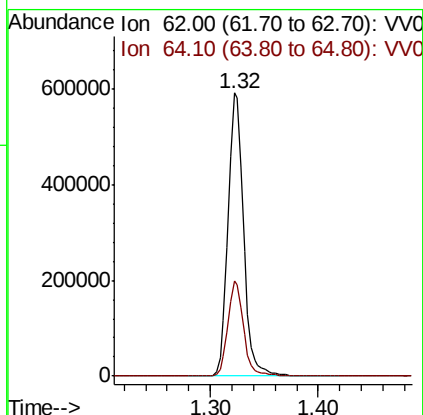
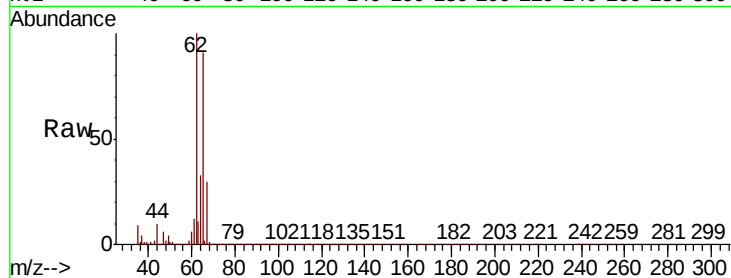
ClientSampleId :

Tot Ion: 62 Resp: 594137

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



#6

Bromomethane

Concen: 11.521 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014249.D

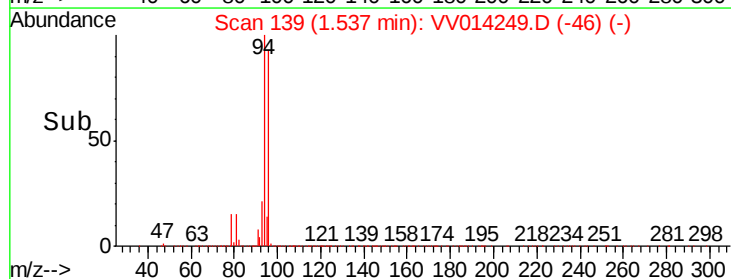
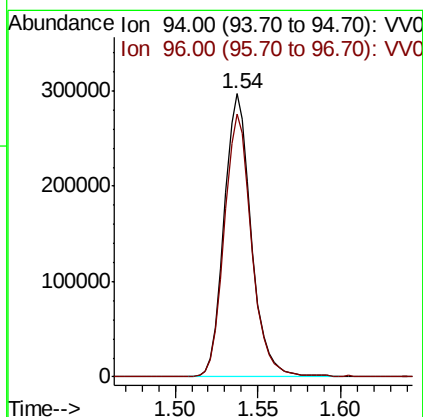
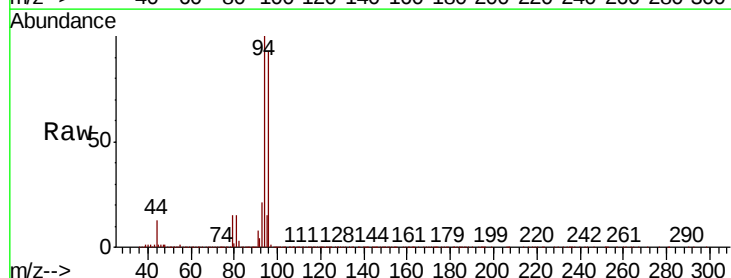
Acq: 02 Jan 2020 15:05

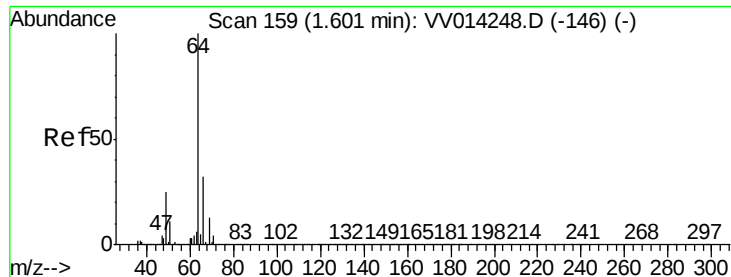
Tgt Ion: 94 Resp: 336146

Ion Ratio Lower Upper

94 100

96 93.0 66.6 123.6





#8

Chloroethane

Concen: 9.972 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

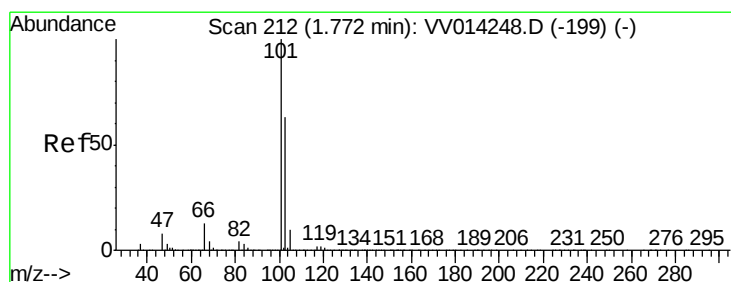
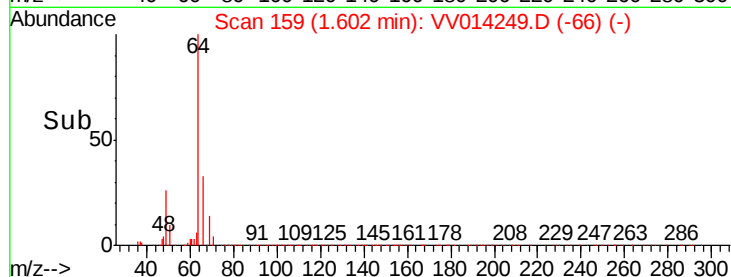
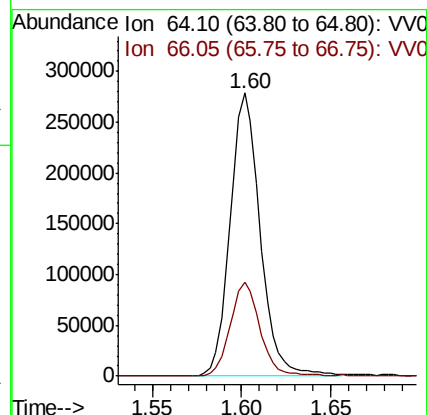
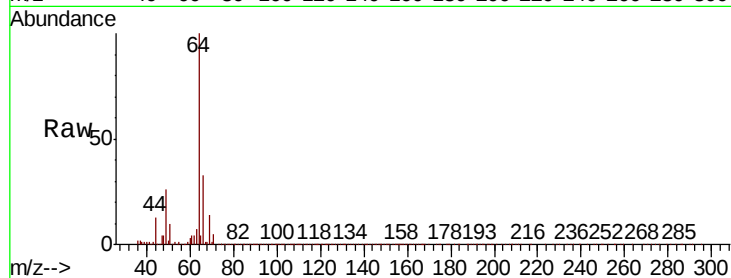
ClientSampleId :

Tot Ion: 64 Resp: 322941

Ion Ratio Lower Upper

64 100

66 33.1 23.0 42.6



#9

Trichlorofluoromethane

Concen: 9.345 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014249.D

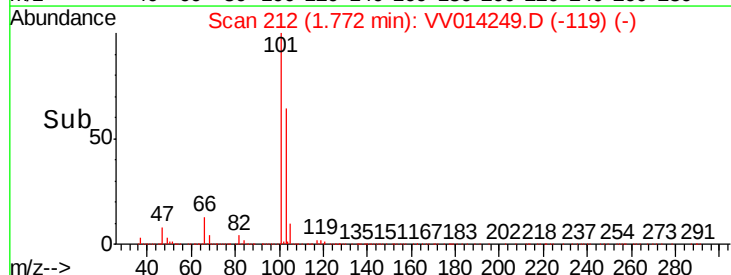
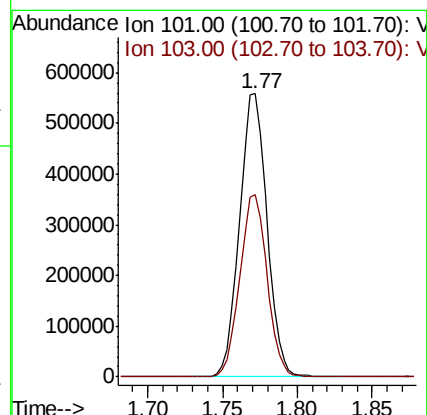
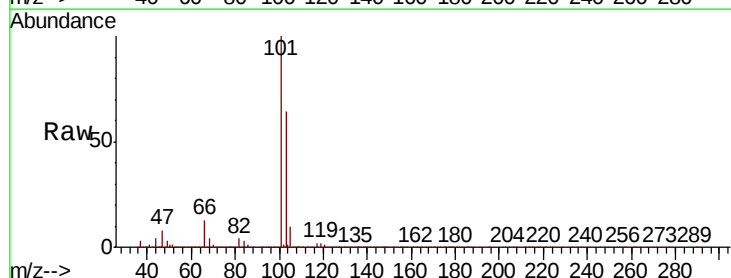
Acq: 02 Jan 2020 15:05

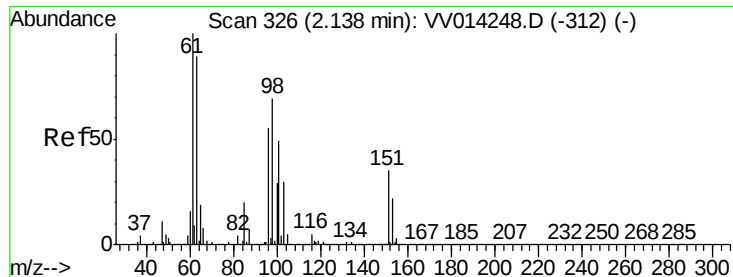
Tgt Ion: 101 Resp: 715131

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.6





#10

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

Concen: 9.086 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

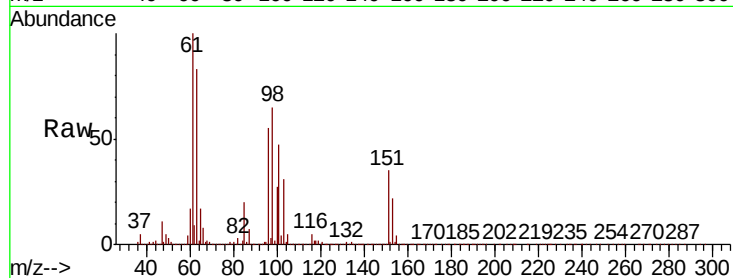
Tot Ion:101 Resp: 376706

Ion Ratio Lower Upper

101 100

85 42.7 34.0 51.0

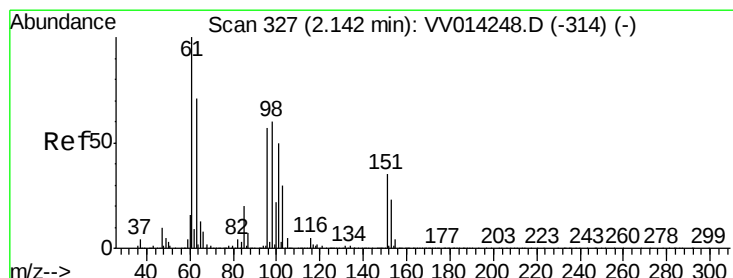
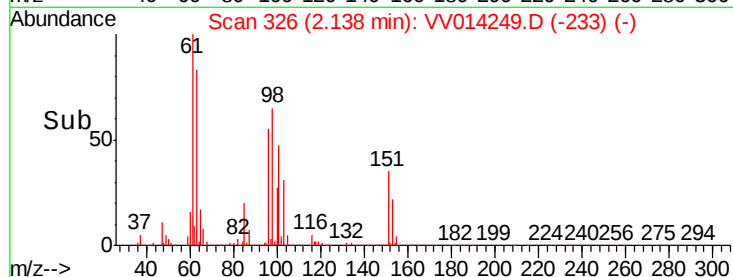
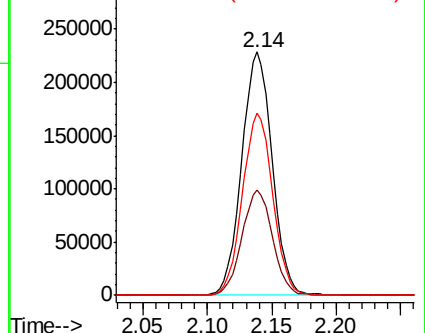
151 74.1 57.9 86.9



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: 9.165 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

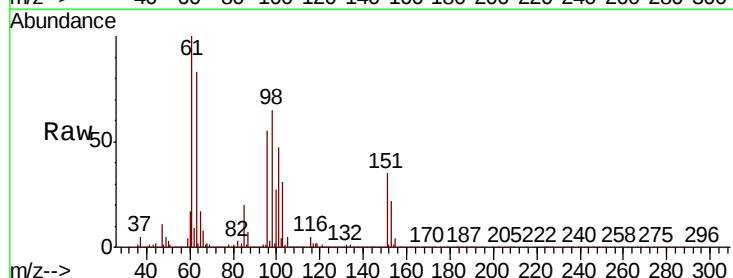
Tgt Ion: 96 Resp: 372680

Ion Ratio Lower Upper

96 100

61 180.8 121.7 226.1

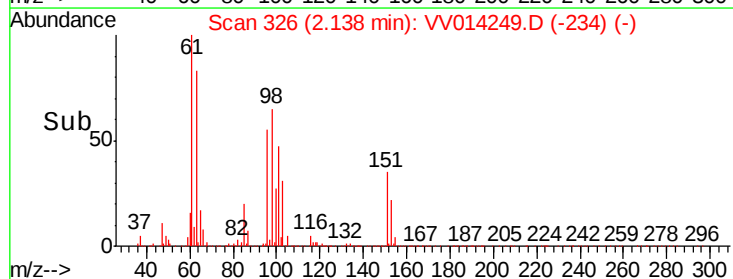
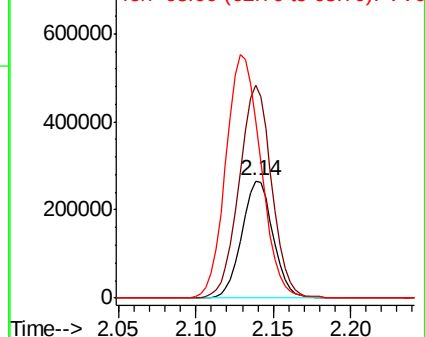
63 150.7 86.9 161.3

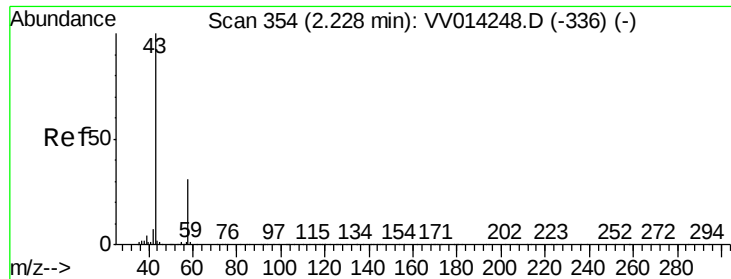


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 128.372 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

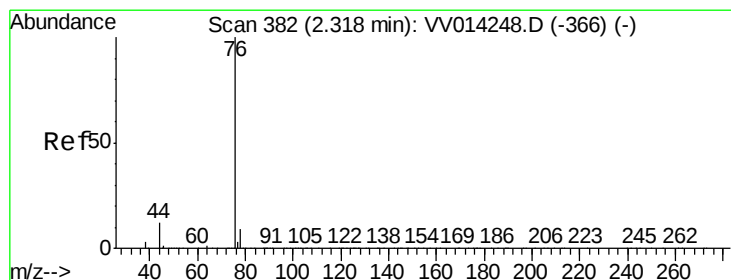
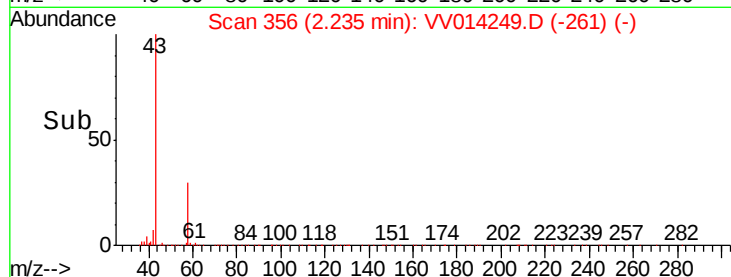
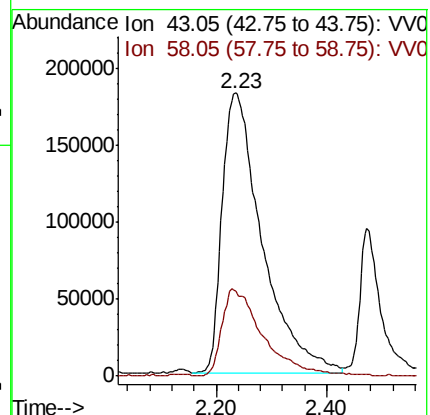
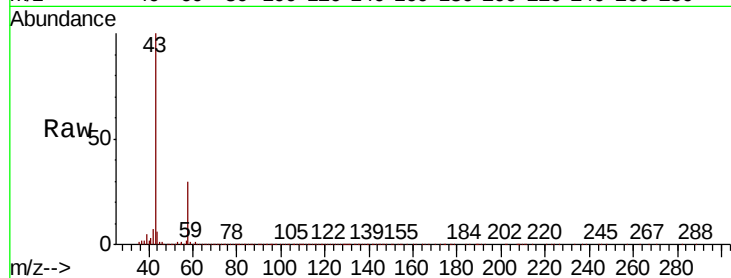
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 916034

Ion Ratio Lower Upper

43 100

58 30.7 0.0 66.4



#14

Carbon disulfide

Concen: 9.718 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014249.D

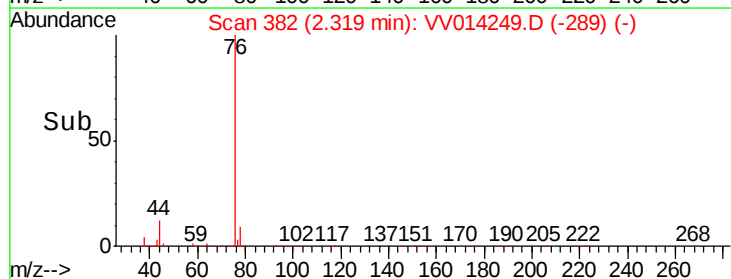
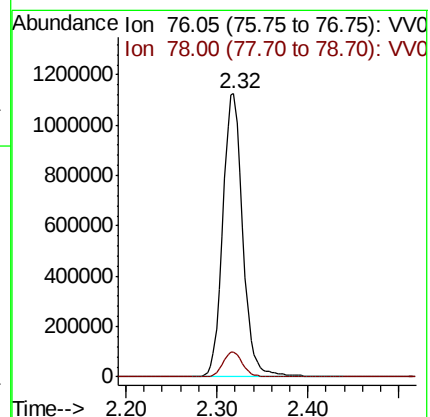
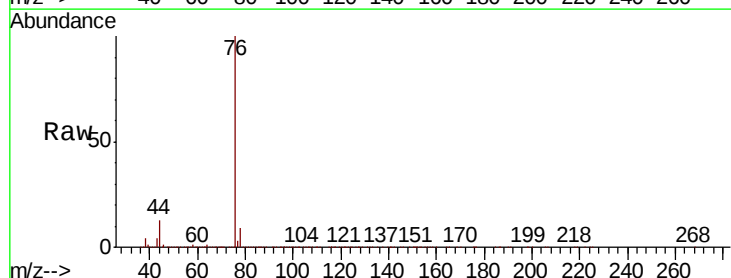
Acq: 02 Jan 2020 15:05

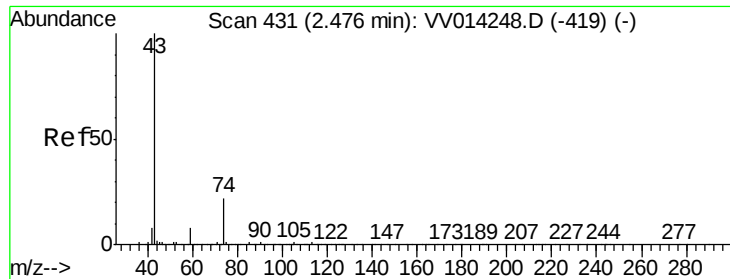
Tgt Ion: 76 Resp: 1711033

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

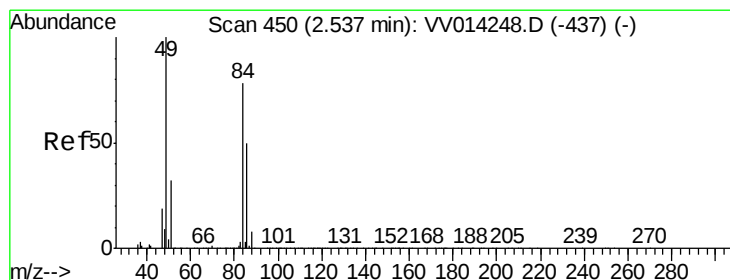
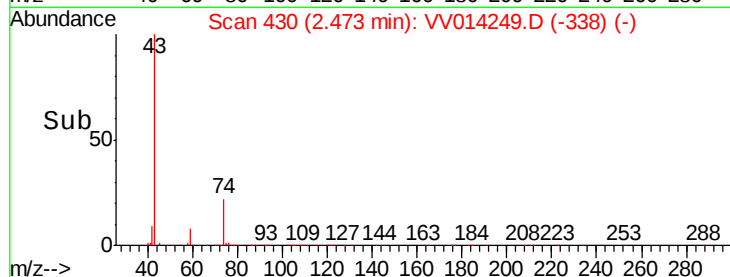
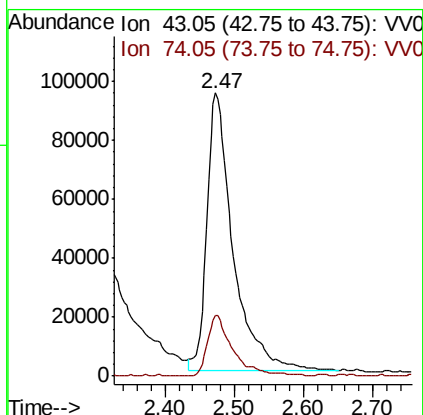
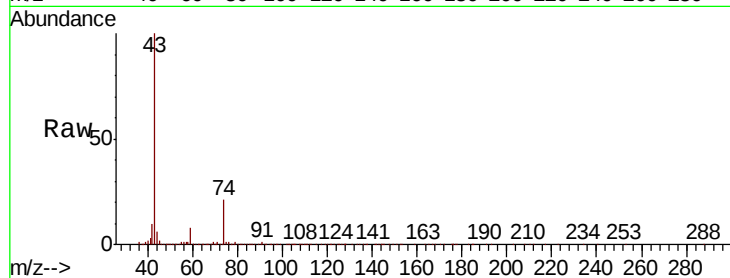




#15
Methyl Acetate
Concen: 11.004 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

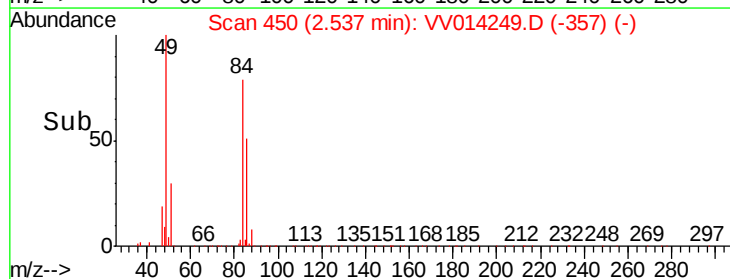
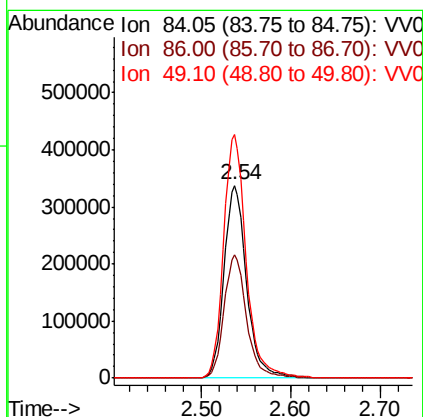
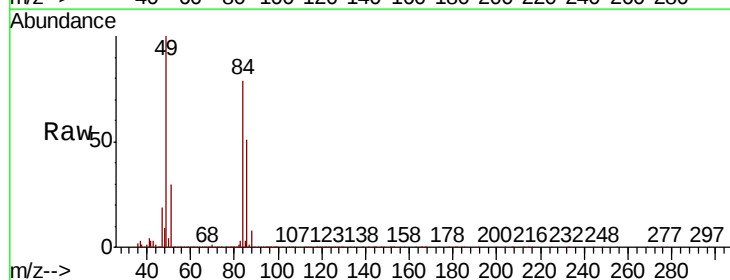
Instrument :
MSVOA_V
ClientSampleId :

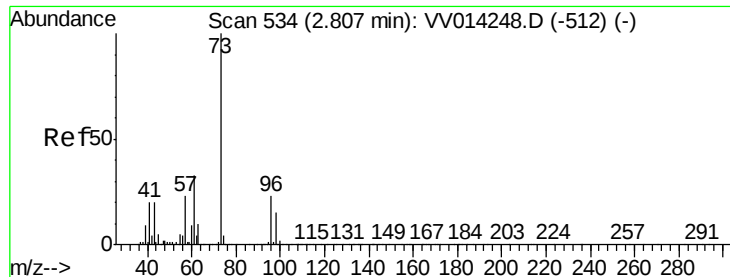
Tot Ion: 43 Resp: 248262
Ion Ratio Lower Upper
43 100
74 21.2 17.1 25.7



#16
Methylene chloride
Concen: 8.810 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Tgt Ion: 84 Resp: 591781
Ion Ratio Lower Upper
84 100
86 64.3 45.2 84.0
49 126.6 89.7 166.5



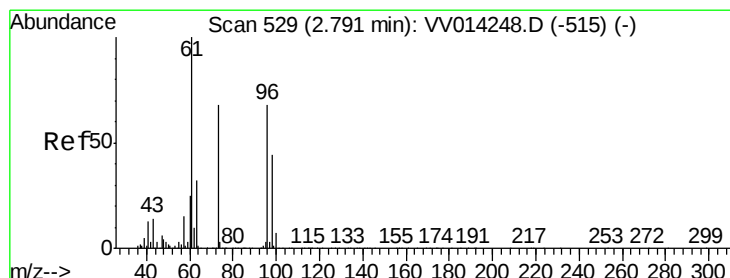
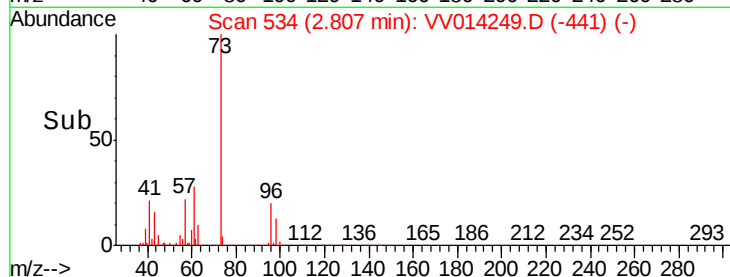
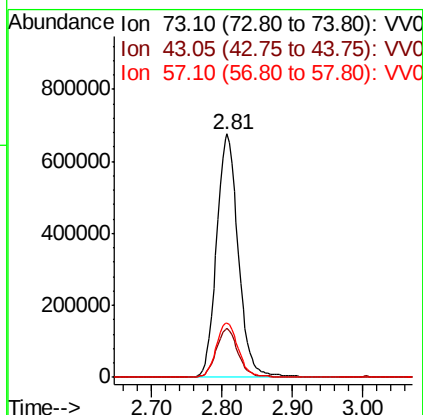
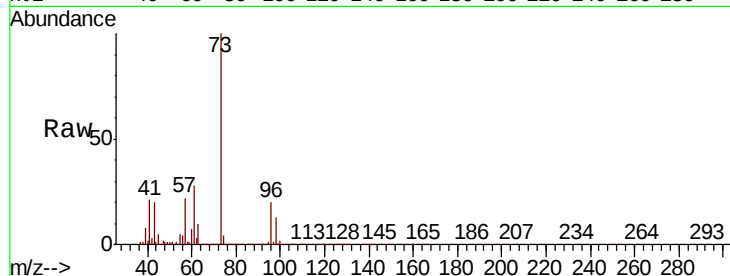


#17
Methvl tert-butvl Ether
Concen: 9.637 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 1446052

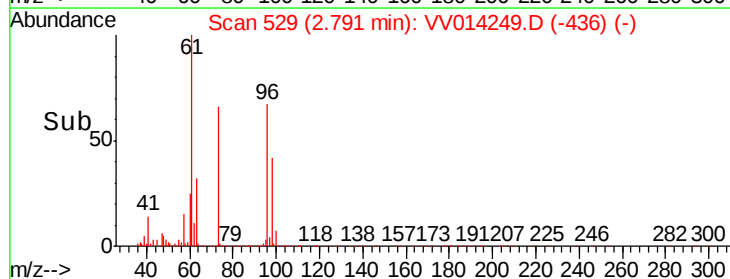
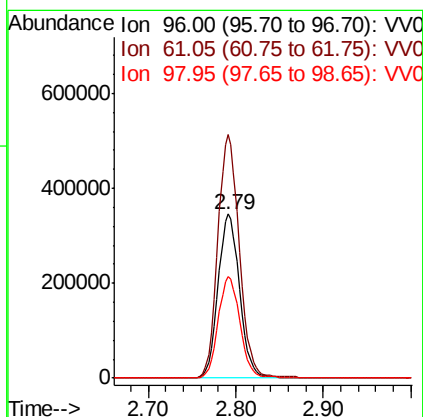
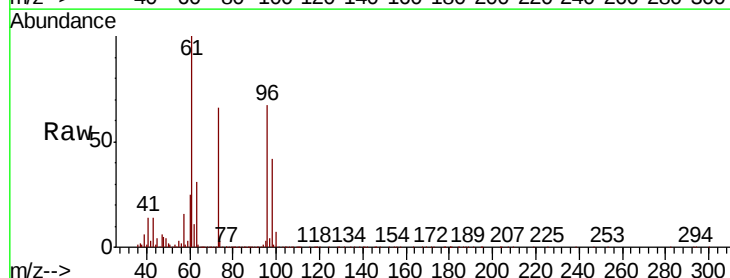
Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.8	23.6
57	22.7	17.7	26.5

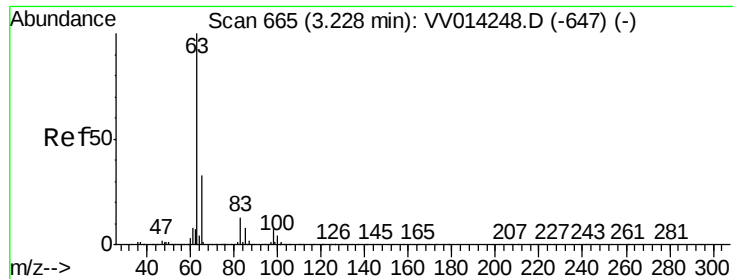


#18
trans-1,2-Dichloroethene
Concen: 9.444 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Tgt Ion: 96 Resp: 589701

Ion	Ratio	Lower	Upper
96	100		
61	148.6	102.7	190.7
98	62.2	44.7	83.1

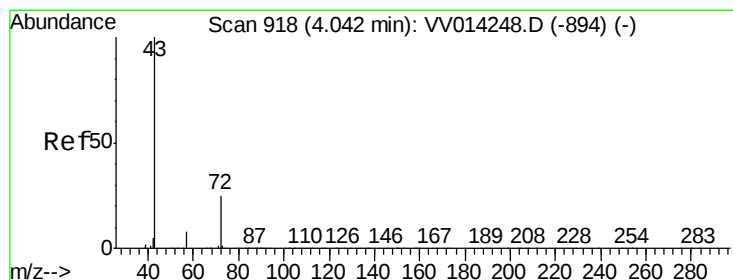
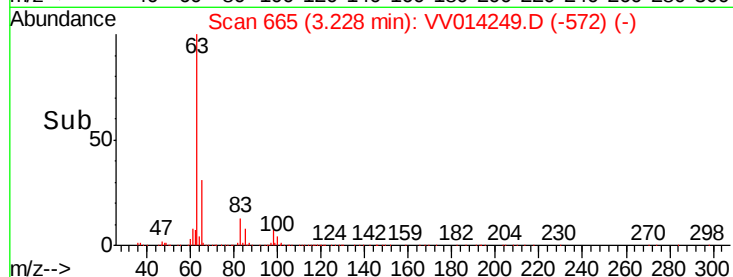
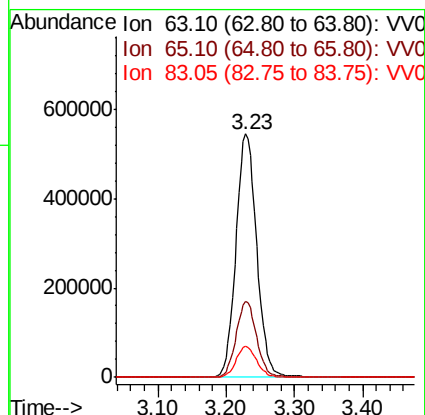
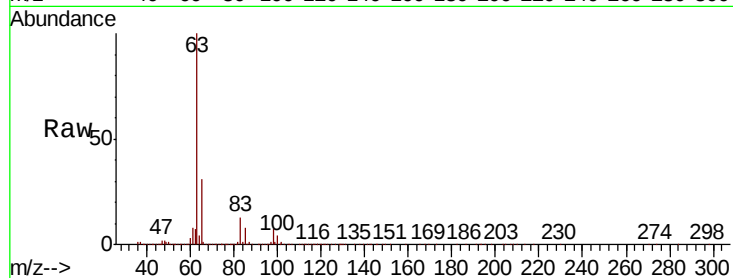




#19
 1,1-Dichloroethane
 Concen: 9.821 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

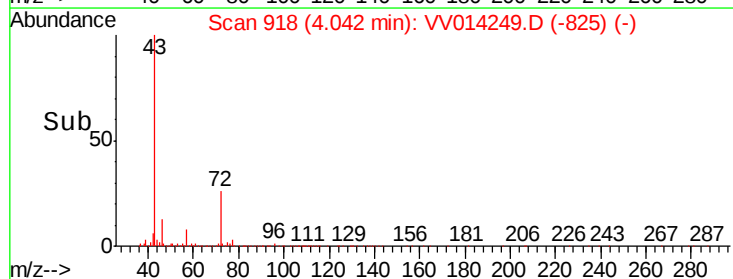
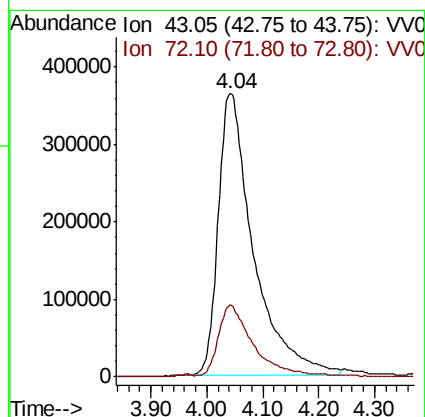
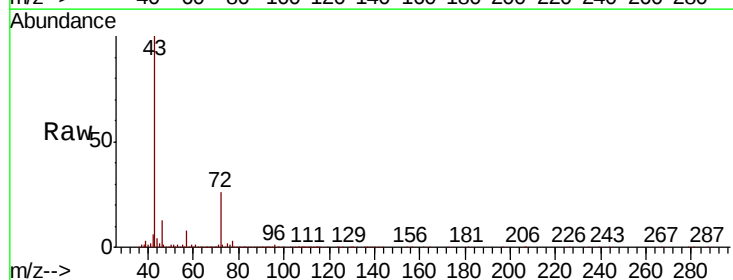
Instrument :
 MSVOA_V
 ClientSampleId :

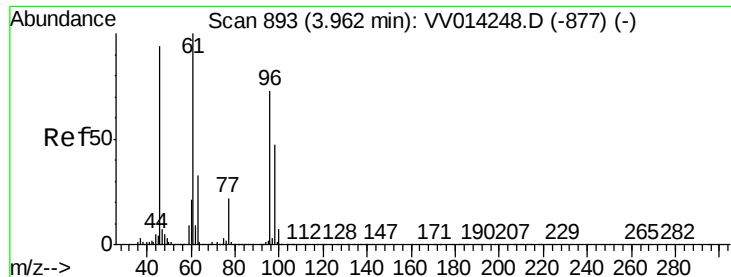
Tot Ion: 63 Resp: 1147246
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.2 43.0
 83 12.8 9.1 16.9



#21
 2-Butanone
 Concen: 123.888 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Tgt Ion: 43 Resp: 1587092
 Ion Ratio Lower Upper
 43 100
 72 24.2 12.4 37.4



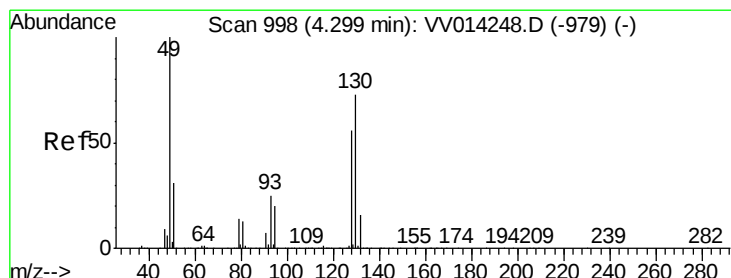
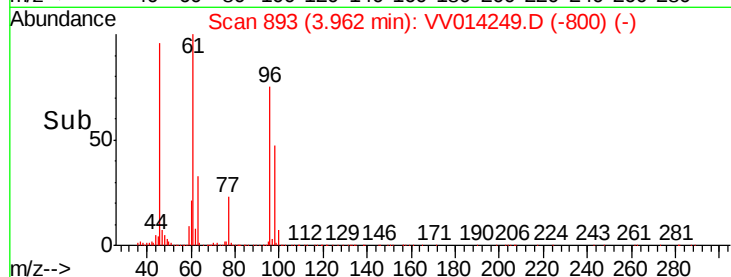
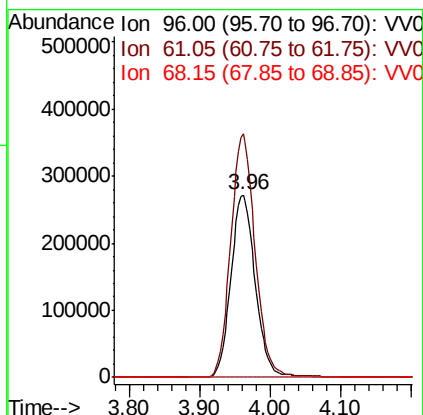
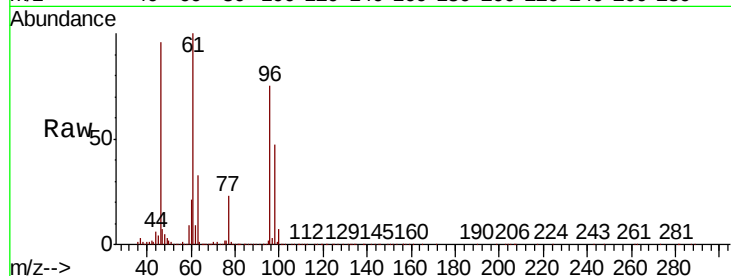


#22

cis-1,2-Dichloroethene
Concen: 9.626 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :

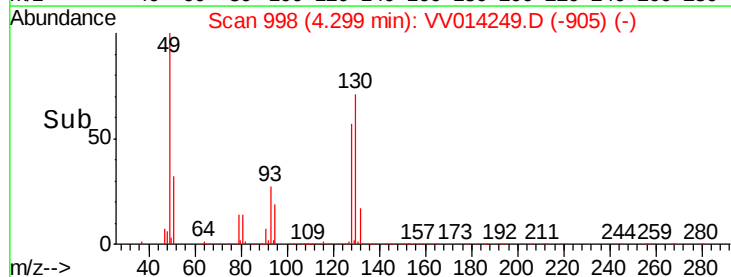
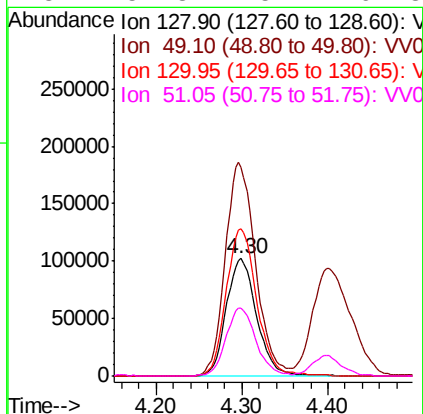
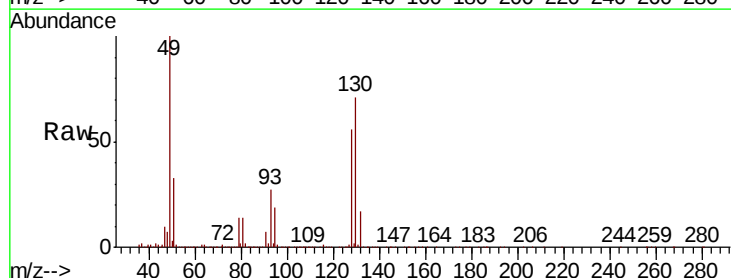
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	95.3	176.9
68	0.1	0.1	0.3#

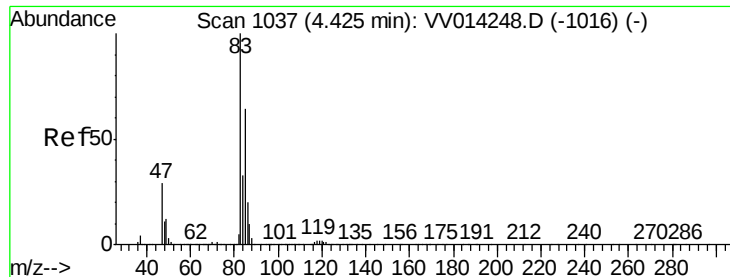


#23

Bromochloromethane
Concen: 9.518 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.6	125.6	233.2
130	125.5	91.6	170.2
51	57.8	45.2	67.8





#25

Chloroform

Concen: 9.457 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

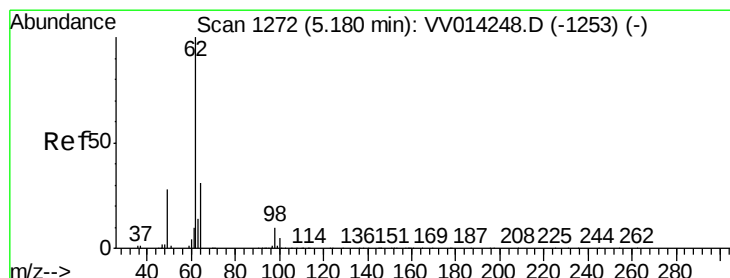
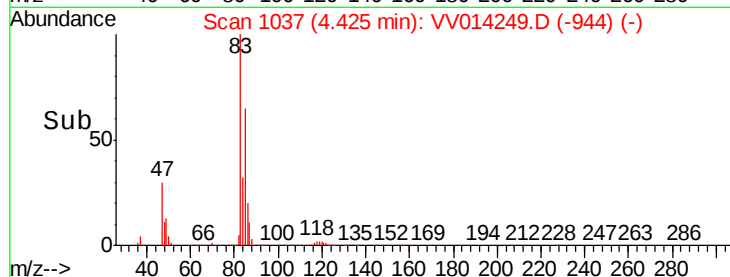
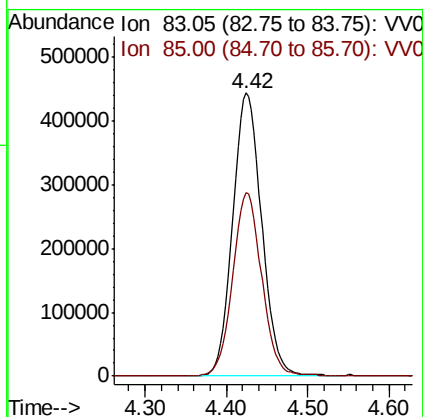
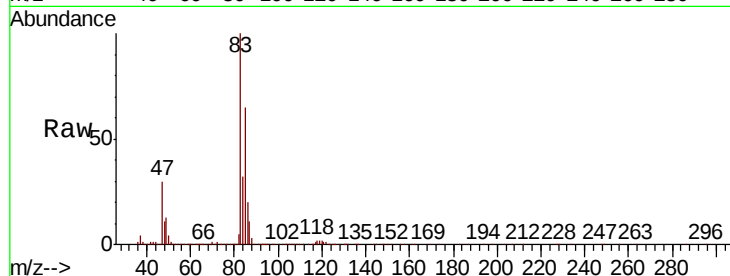
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 1100951

Ion Ratio Lower Upper

83 100

85 64.7 44.8 83.2



#27

1,2-Dichloroethane

Concen: 10.099 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV014249.D

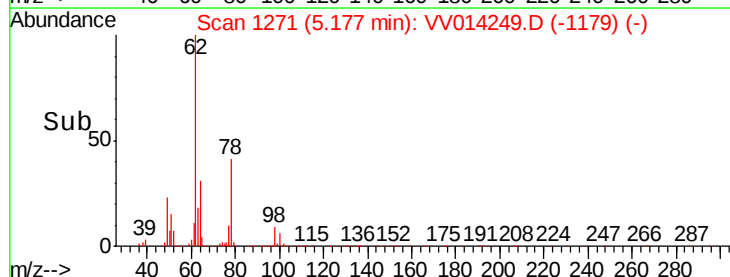
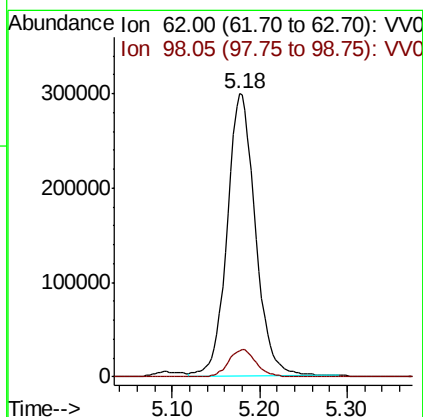
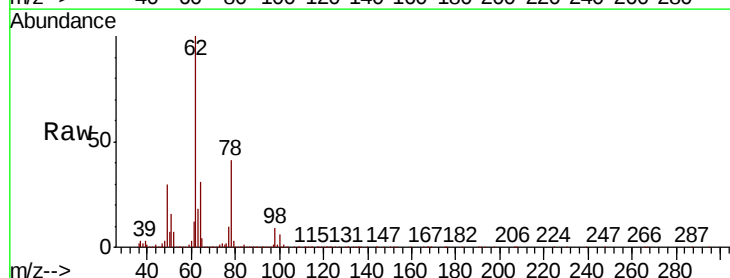
Acq: 02 Jan 2020 15:05

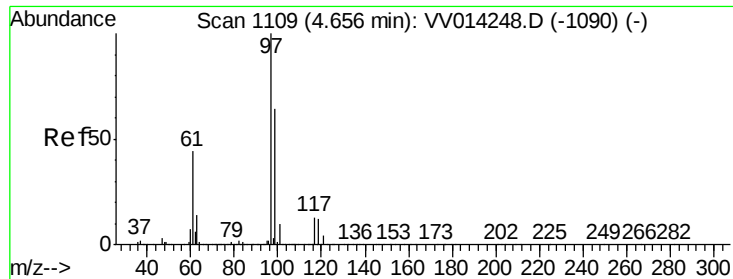
Tgt Ion: 62 Resp: 672622

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4

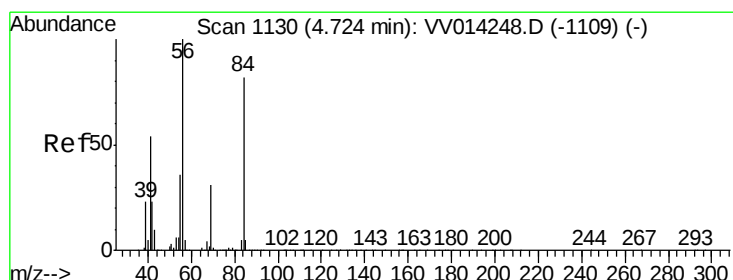
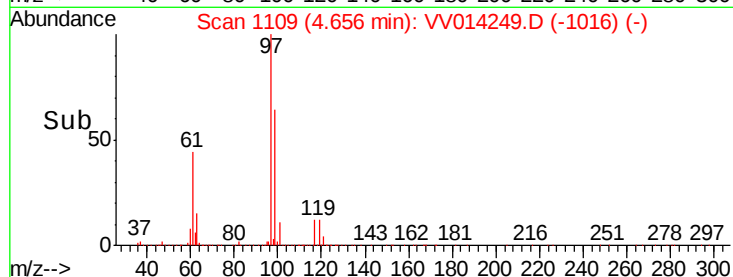
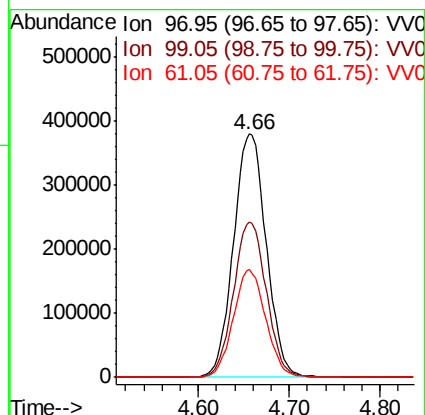
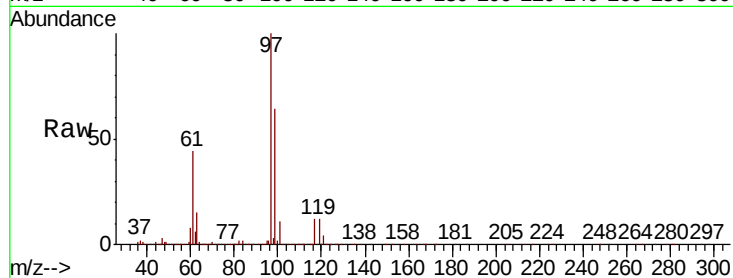




#29
1,1,1-Trichloroethane
Concen: 9.410 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

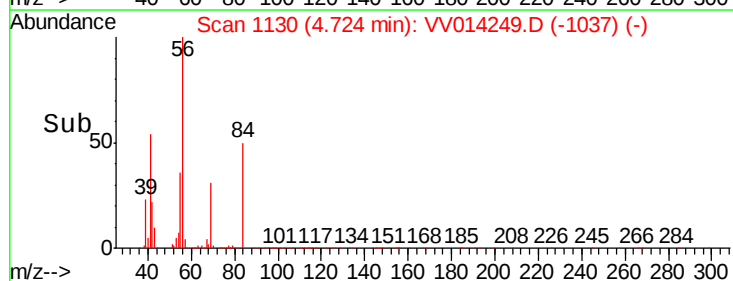
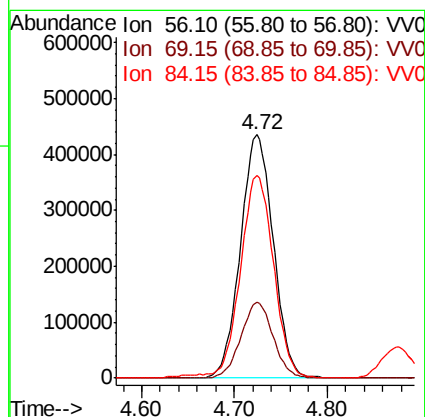
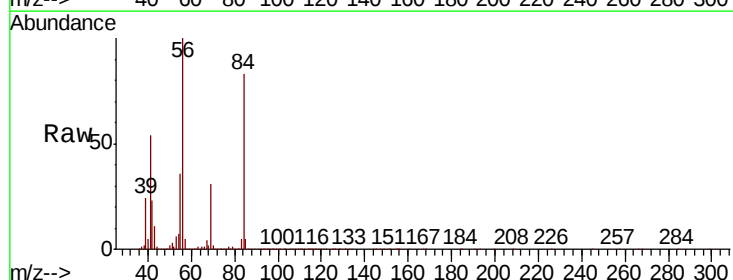
Instrument :
MSVOA_V
ClientSampleId :

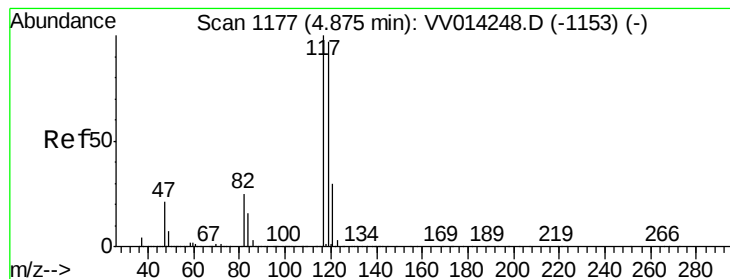
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	43.9	34.9	52.3



#30
Cyclohexane
Concen: 9.578 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.0	36.0
84	83.3	66.0	99.0





#31

Carbon tetrachloride

Concen: 9.362 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

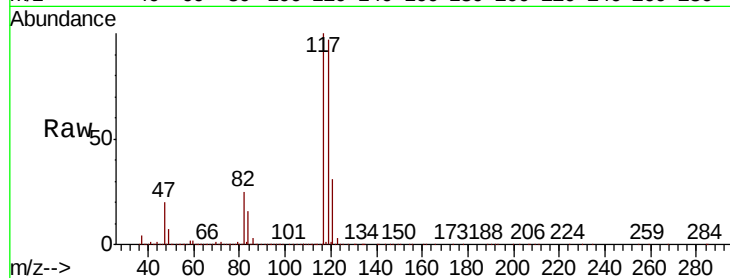
ClientSampleId :

Tot Ion:117 Resp: 807695

Ion Ratio Lower Upper

117 100

119 96.2 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

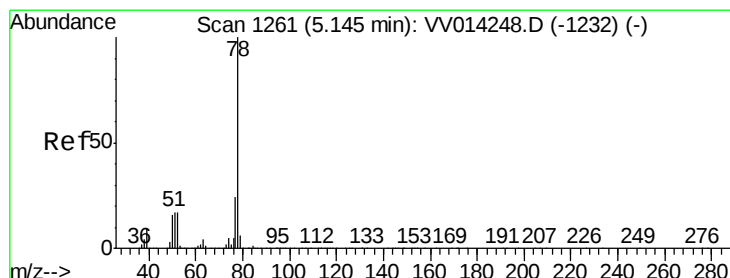
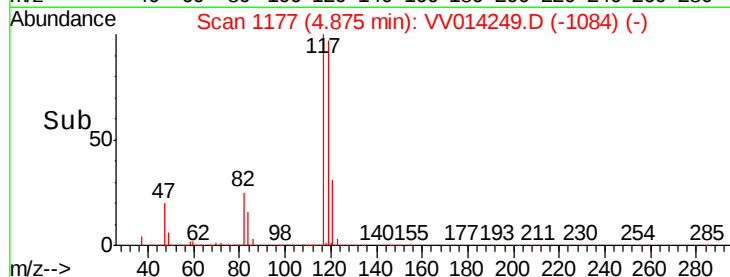
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 9.532 ug/L

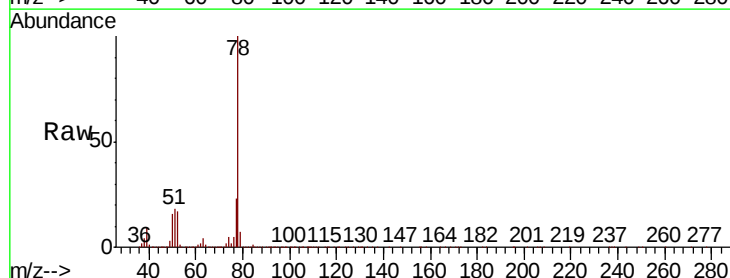
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Tgt Ion: 78 Resp: 2454854



Abundance Ion 78.10 (77.80 to 78.80): VV0

1200000

1000000

800000

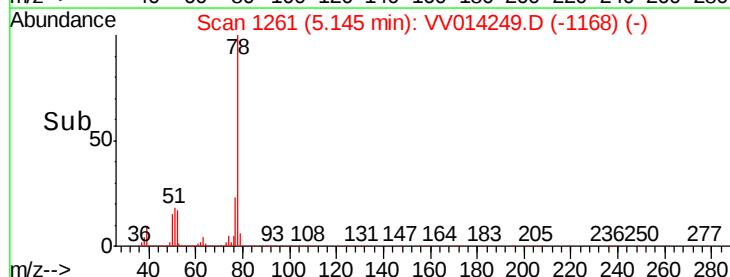
600000

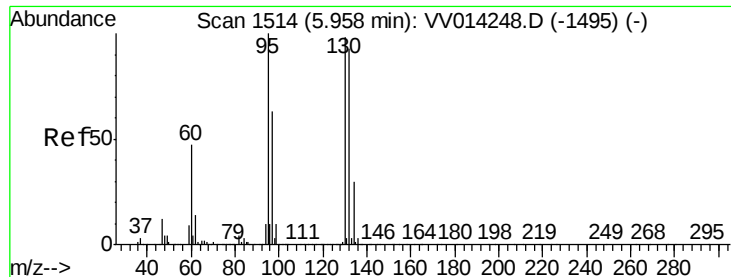
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 9.228 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 630224

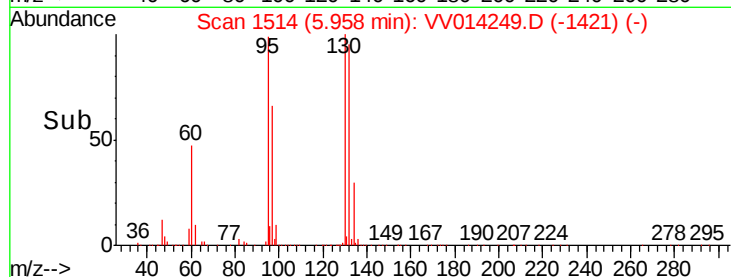
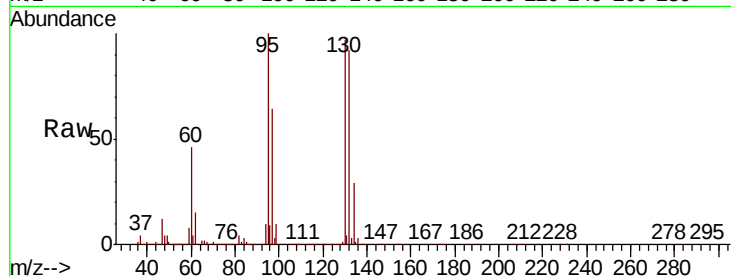
Ion Ratio Lower Upper

95 100

97 64.5 44.2 82.2

132 92.0 65.2 121.0

130 97.1 68.7 127.7

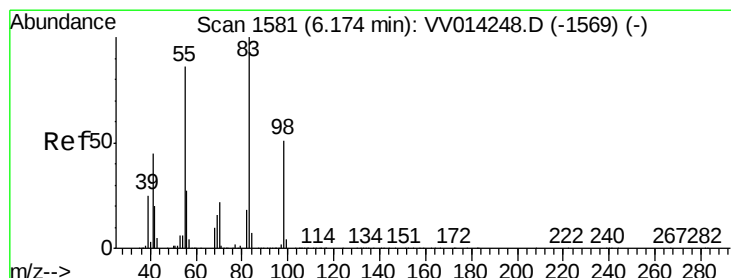
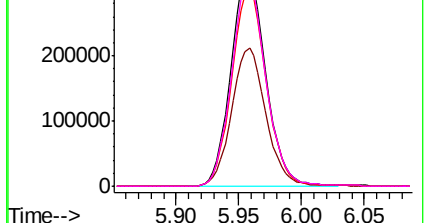


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 9.193 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

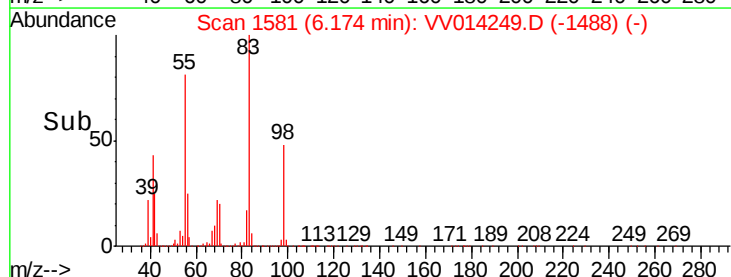
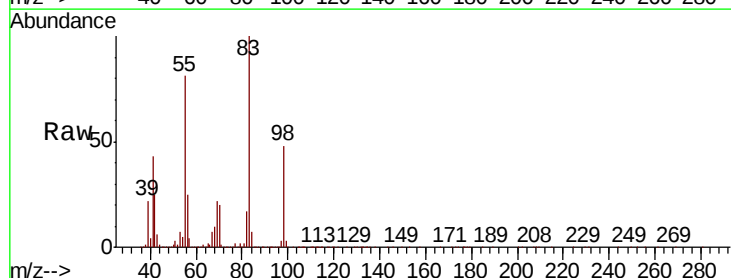
Tgt Ion: 83 Resp: 1057378

Ion Ratio Lower Upper

83 100

55 81.2 65.0 97.4

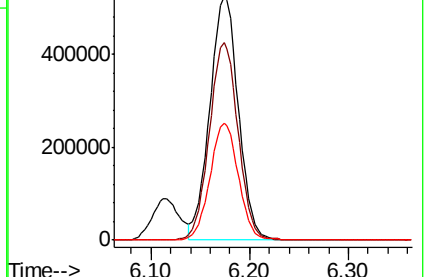
98 48.1 38.5 57.7

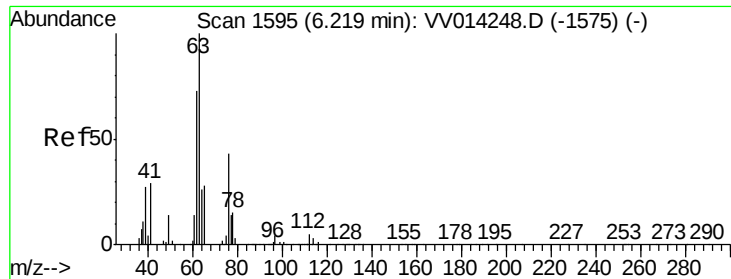


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

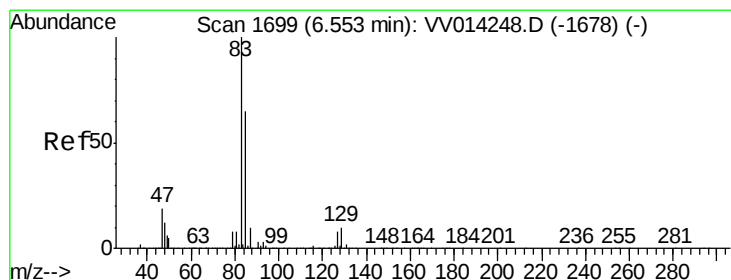
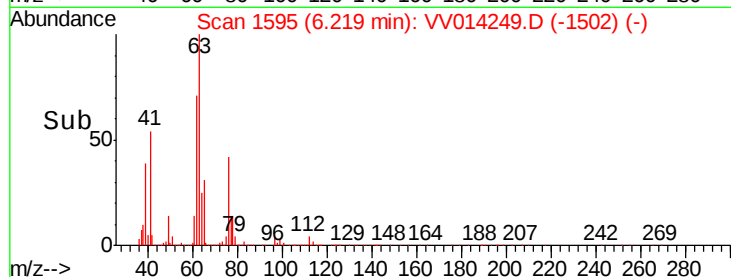
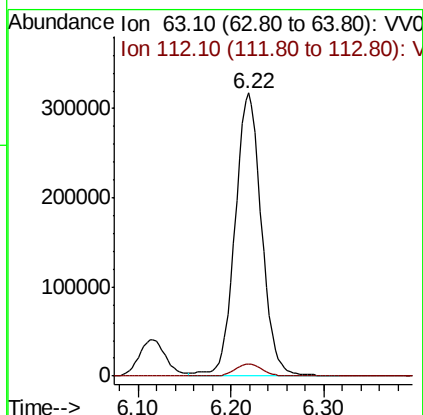
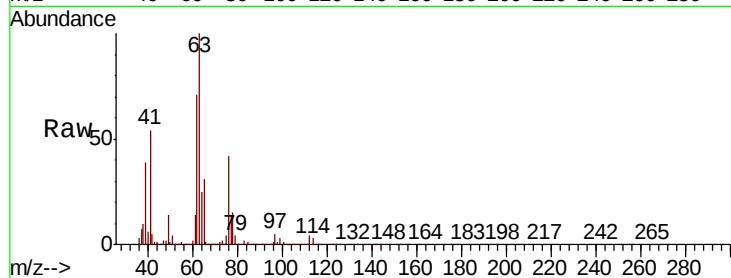




#37
 1,2-Dichloropropane
 Concen: 9.975 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

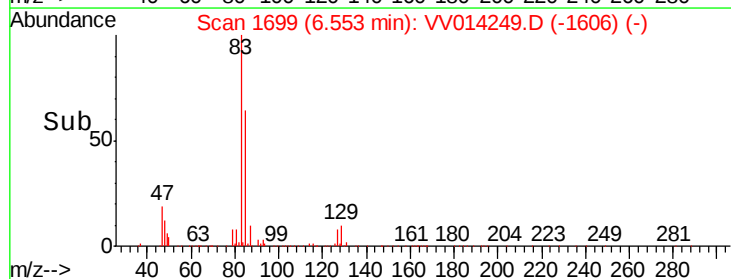
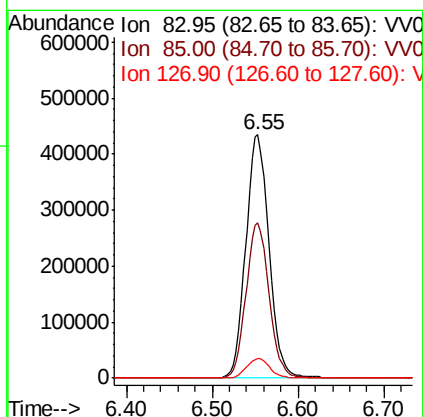
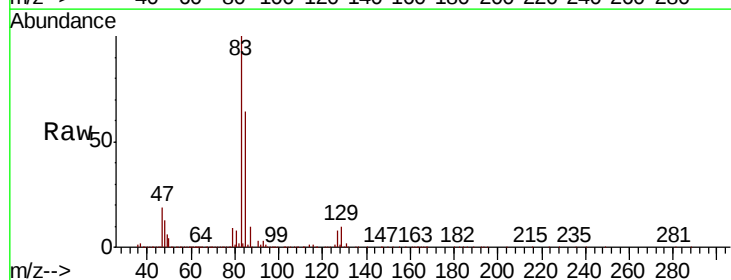
Instrument :
 MSVOA_V
 ClientSampleId :

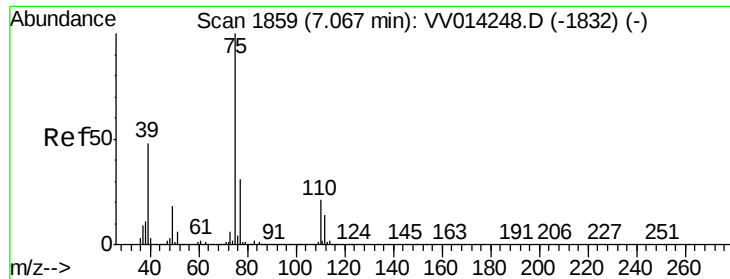
Tot Ion: 63 Resp: 624889
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.735 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Tgt Ion: 83 Resp: 813739
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.2 84.0
 127 8.0 6.4 9.6

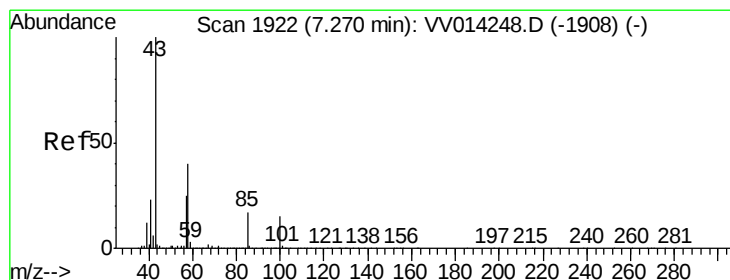
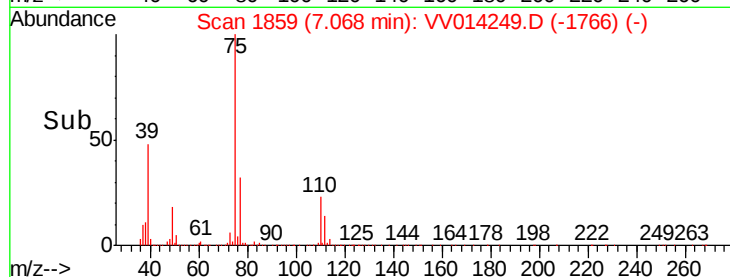
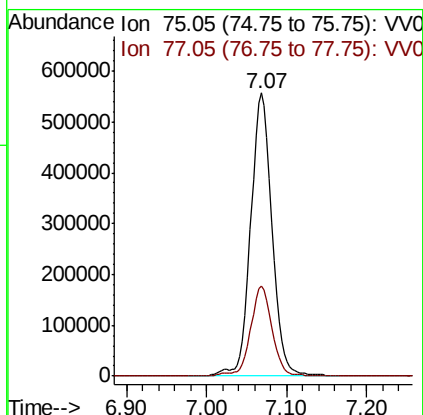
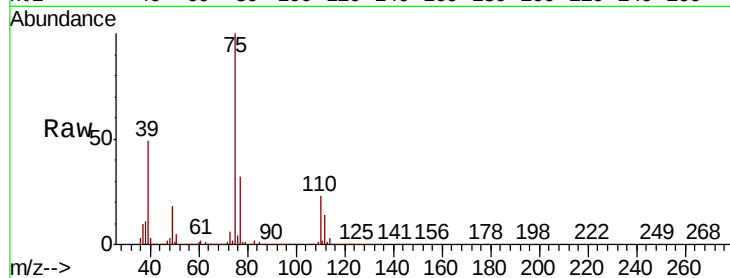




#39
 cis-1,3-Dichloropropene
 Concen: 9.764 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

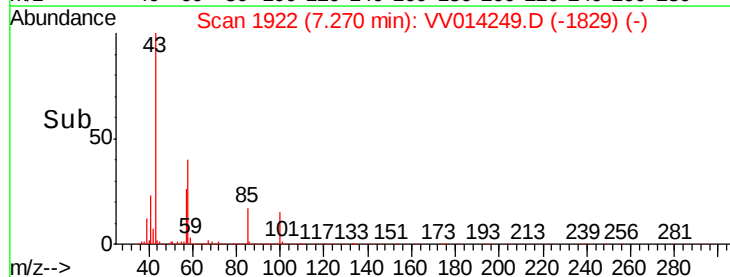
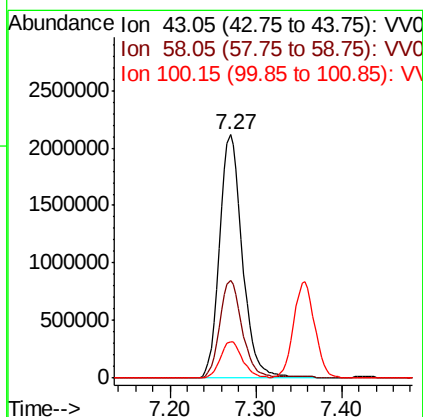
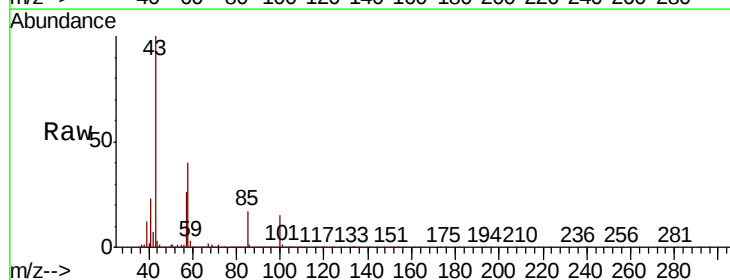
Instrument :
 MSVOA_V
 ClientSampleId :

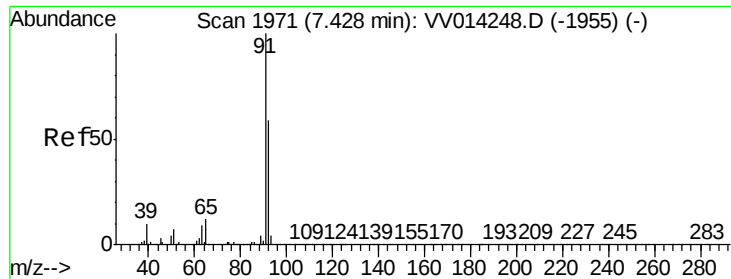
Tot Ion: 75 Resp: 1006206
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 98.792 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Tgt Ion: 43 Resp: 3907011
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.3 46.9
 100 14.7 11.8 17.8





#42

Toluene

Concen: 9.029 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

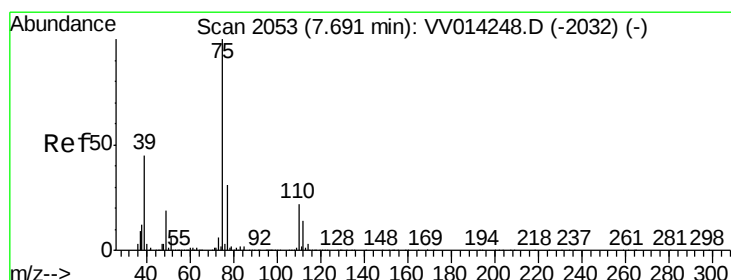
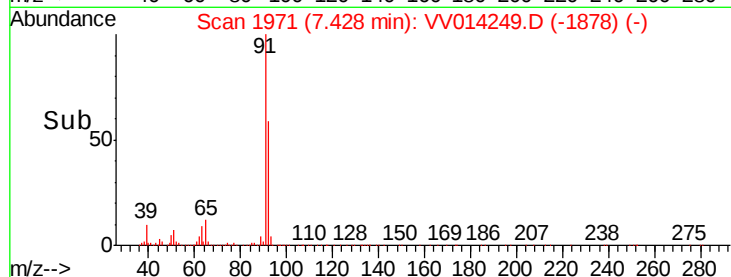
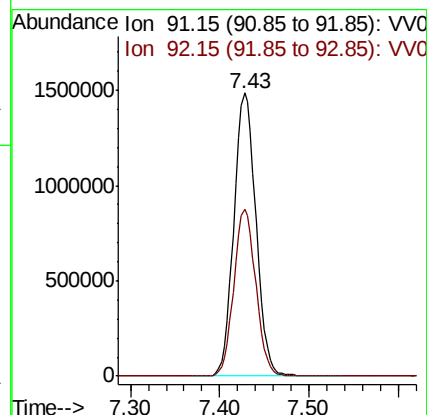
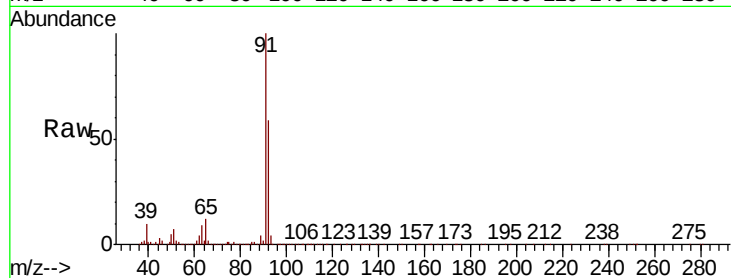
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2544435

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 9.761 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014249.D

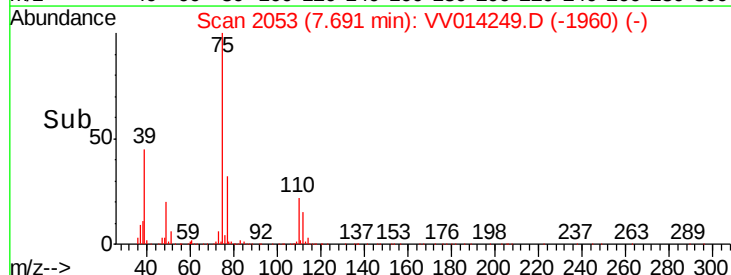
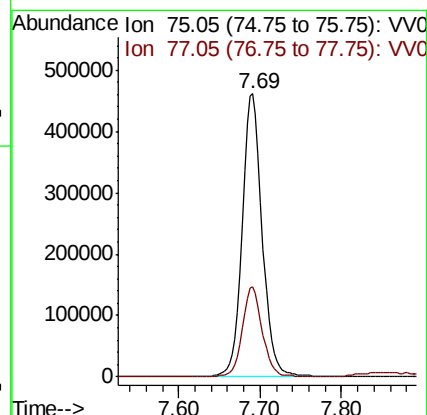
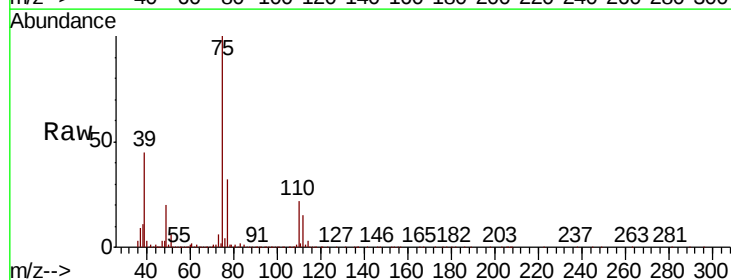
Acq: 02 Jan 2020 15:05

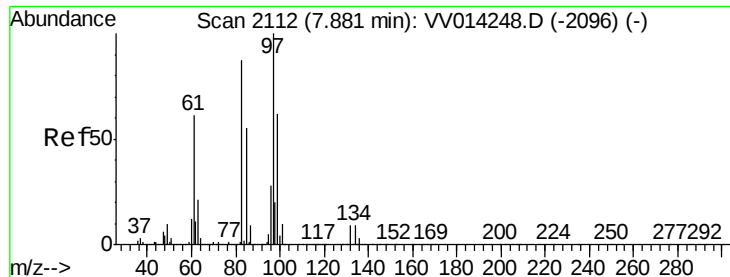
Tgt Ion: 75 Resp: 790048

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 9.434 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 401075

Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.0	80.0
83	87.8	60.6	112.6
85	57.0	38.6	71.8

Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Time-->

7.80 7.85 7.90 7.95

300000

200000

100000

0

7.88

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

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7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

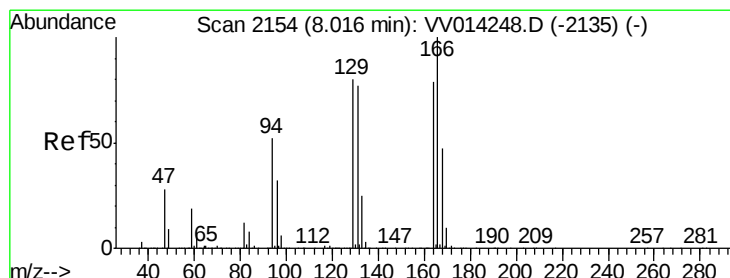
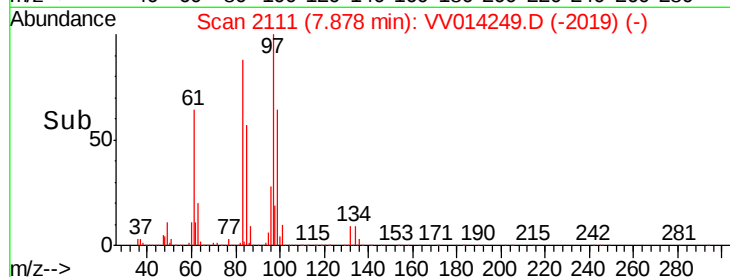
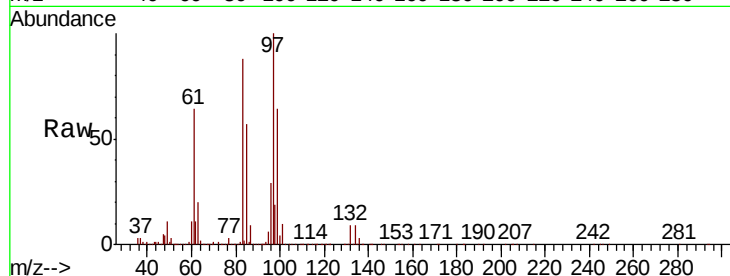
7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95

7.80 7.85 7.90 7.95



#47

Tetrachloroethene

Concen: 8.885 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Tgt Ion:164 Resp: 423857

Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.0	131.9
131	99.7	68.5	127.3
166	128.5	88.8	164.8

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

Time-->

7.95 8.00 8.05 8.10

500000

400000

300000

200000

100000

0

8.02

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

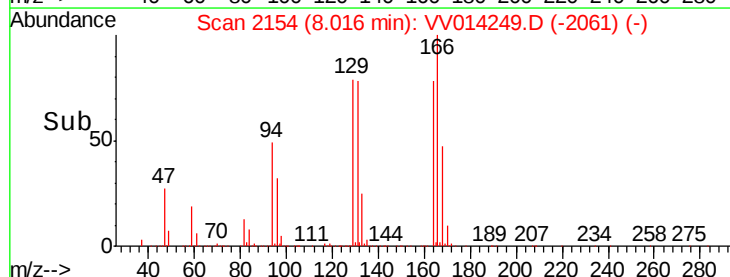
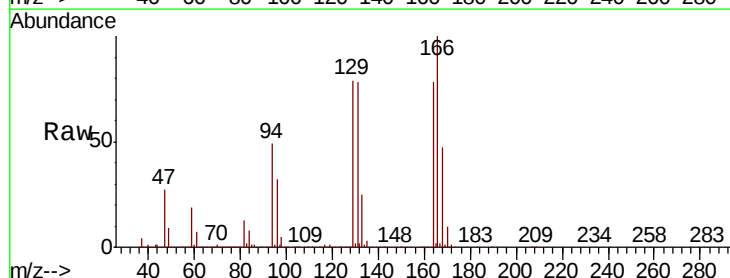
7.95 8.00 8.05 8.10

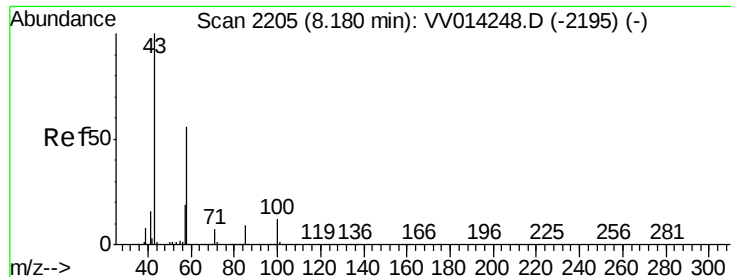
7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10

7.95 8.00 8.05 8.10



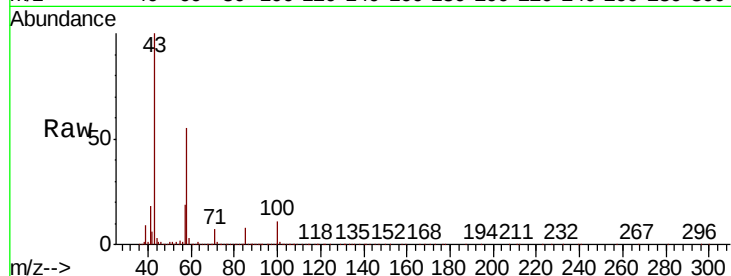


#48
2-Hexanone
Concen: 102.496 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

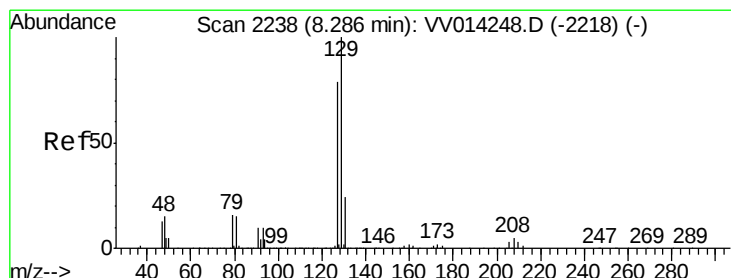
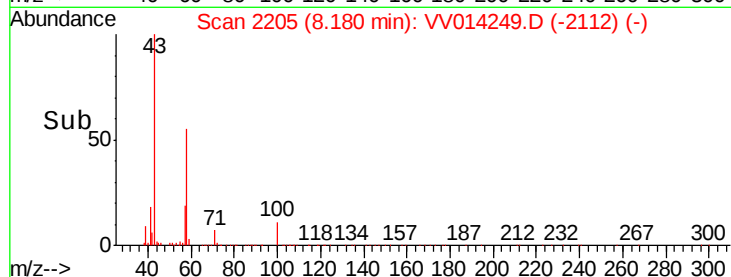
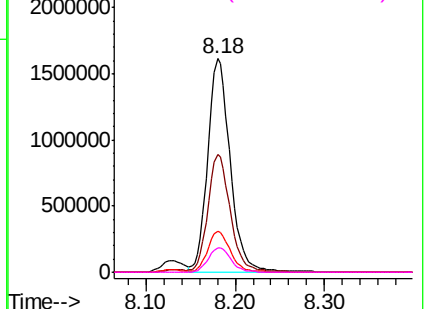
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2804653

Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	19.2	15.5	23.3
100	11.7	9.4	14.0



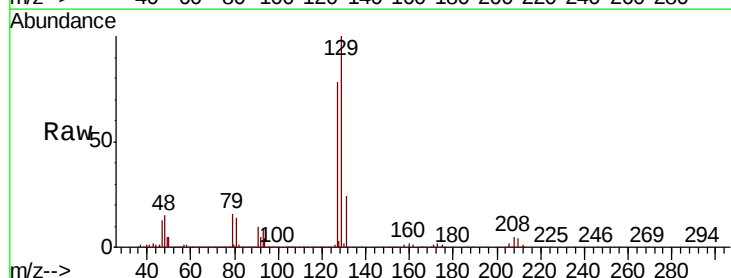
Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



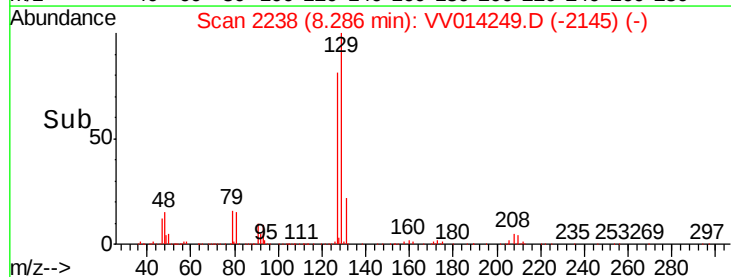
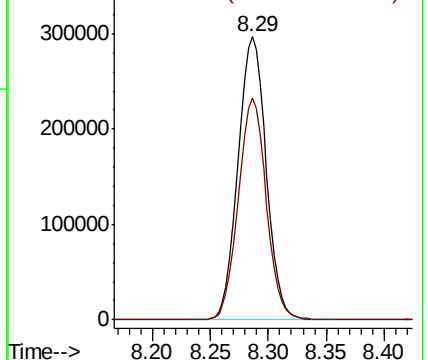
#49
Dibromochloromethane
Concen: 9.223 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014249.D
Acq: 02 Jan 2020 15:05

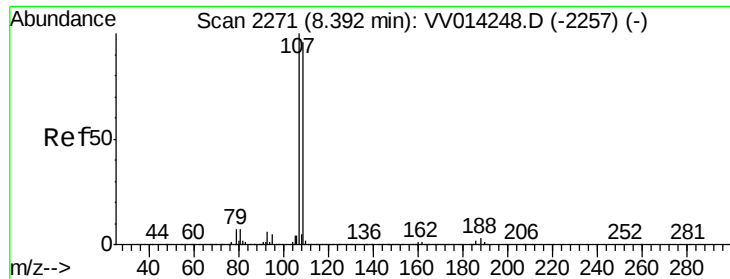
Tgt Ion: 129 Resp: 498625

Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

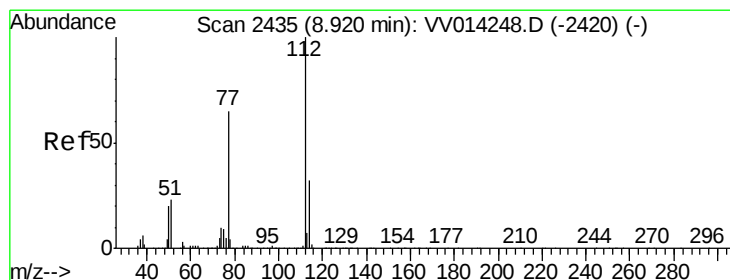
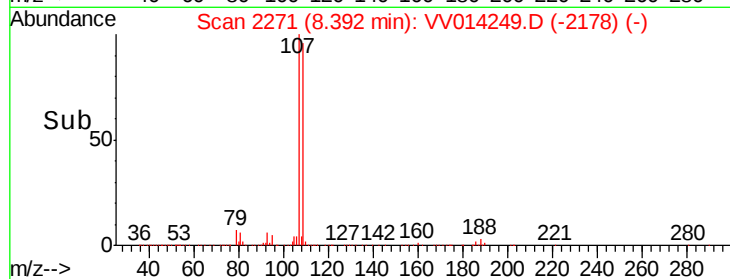
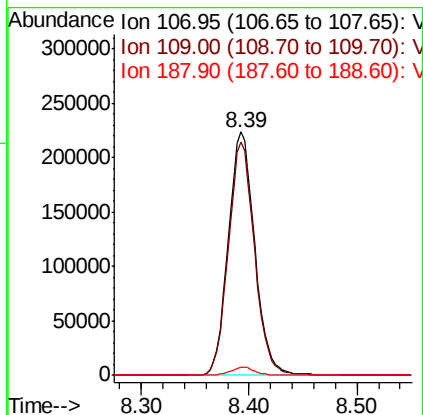
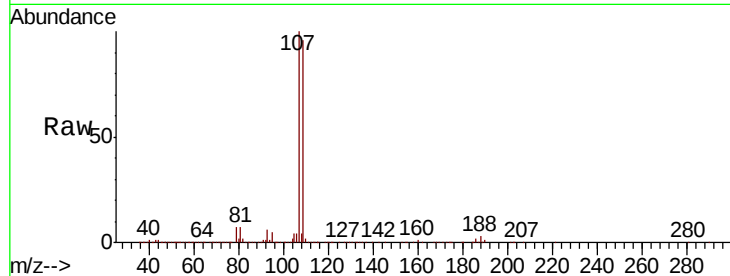




#50
 1,2-Dibromoethane
 Concen: 9.331 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

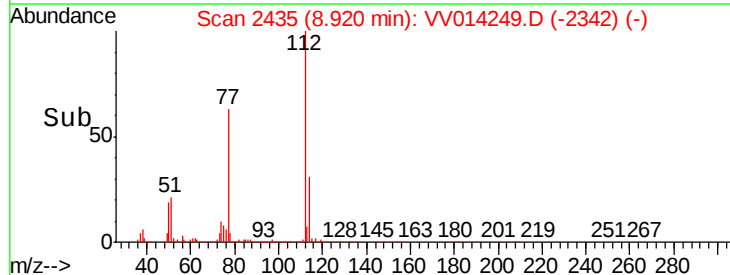
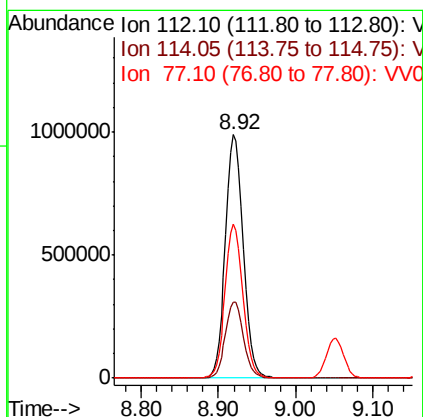
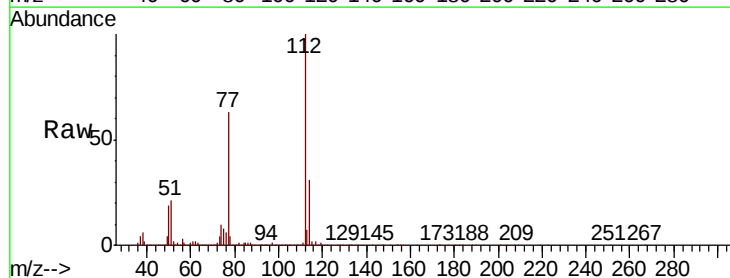
Instrument :
 MSVOA_V
 ClientSampleId :

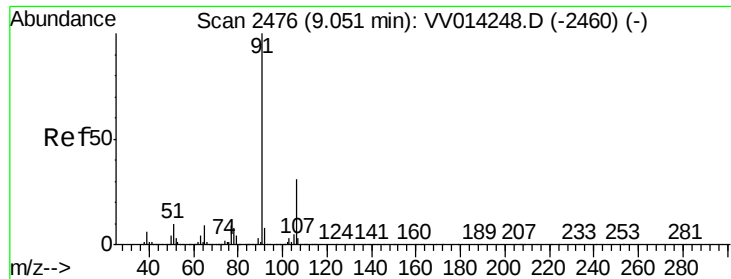
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	67.5	125.4
188	3.3	2.6	4.0



#51
 Chlorobenzene
 Concen: 9.129 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.1
77	63.2	51.8	77.8





#52

Ethylbenzene

Concen: 9.194 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

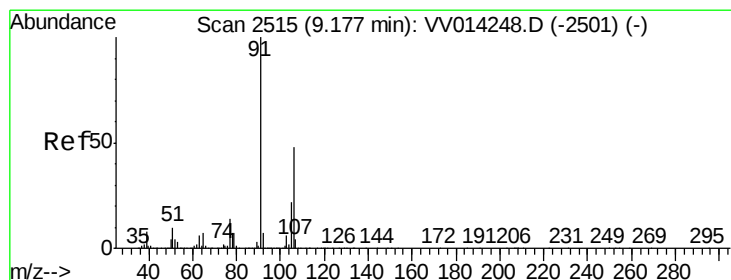
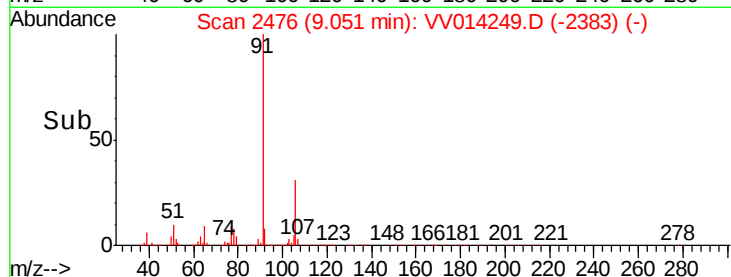
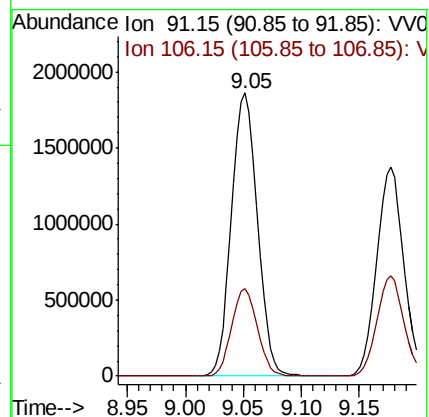
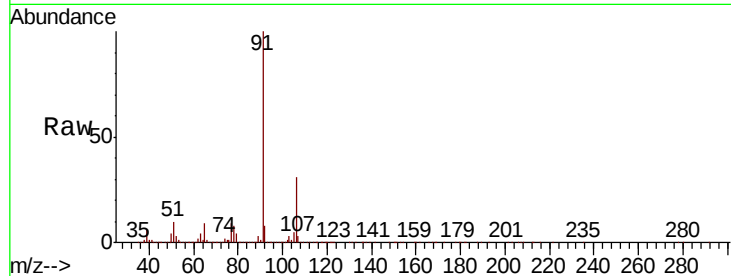
ClientSampleId :

Tot Ion: 91 Resp: 2878901

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 9.100 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014249.D

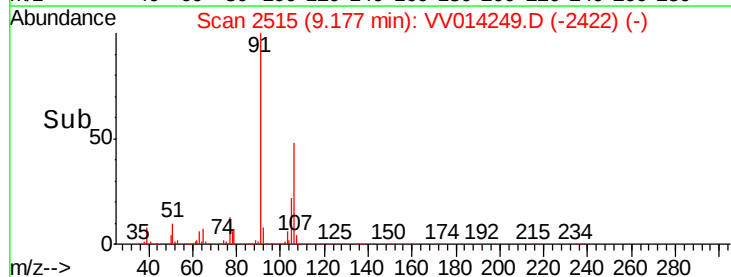
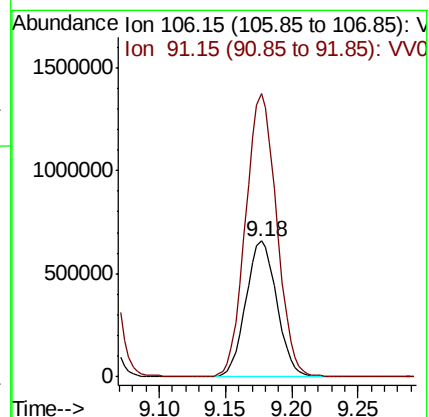
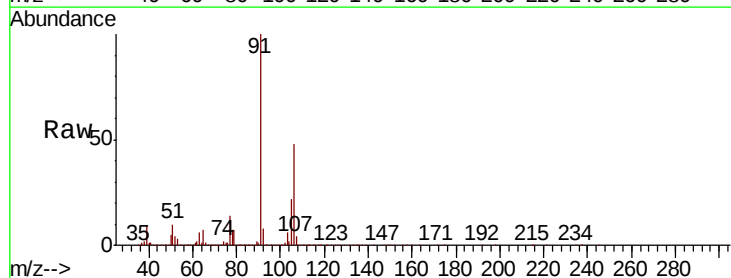
Acq: 02 Jan 2020 15:05

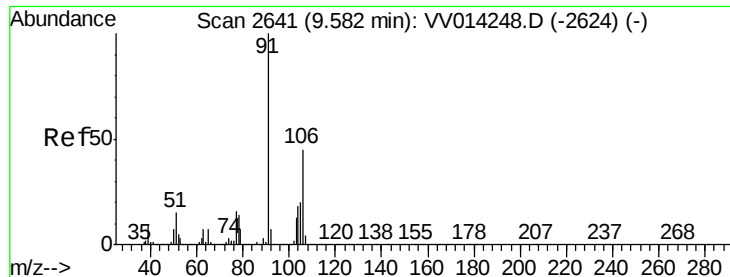
Tgt Ion: 106 Resp: 1067806

Ion Ratio Lower Upper

106 100

91 208.1 146.7 272.4





#54

o-xylene

Concen: 9.119 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

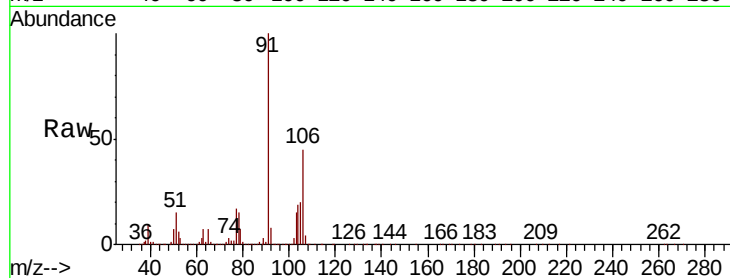
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1041785

Ion Ratio Lower Upper

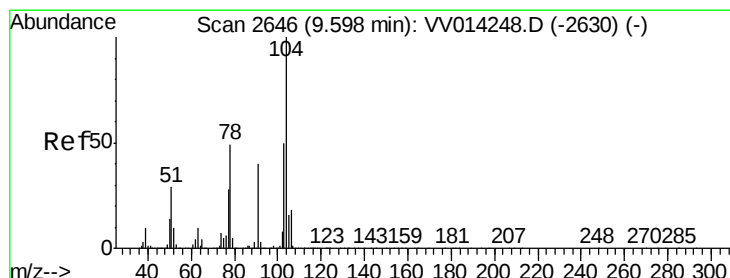
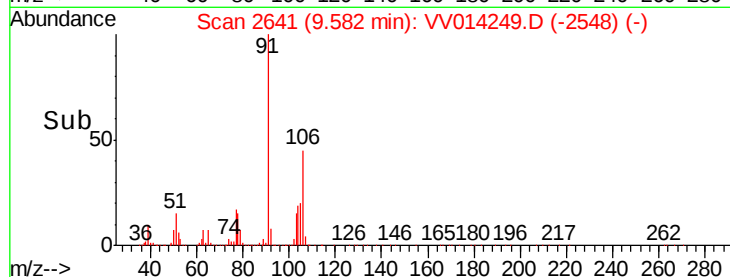
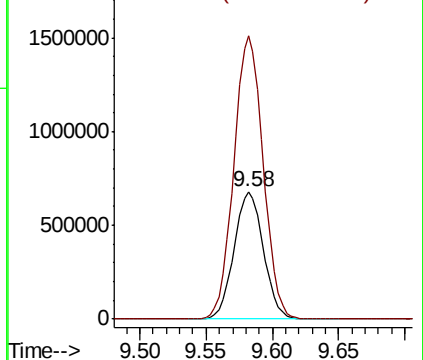
106 100

91 221.9 155.1 288.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 9.276 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014249.D

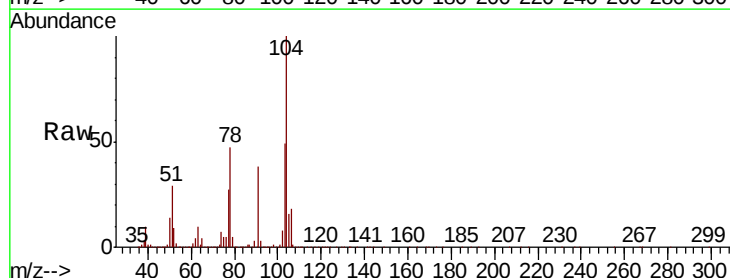
Acq: 02 Jan 2020 15:05

Tgt Ion:104 Resp: 1784366

Ion Ratio Lower Upper

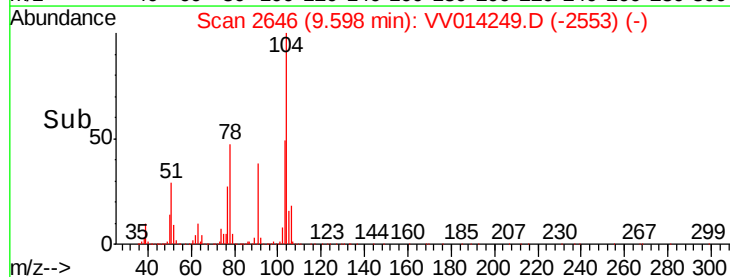
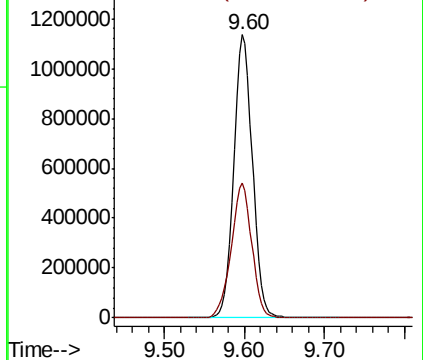
104 100

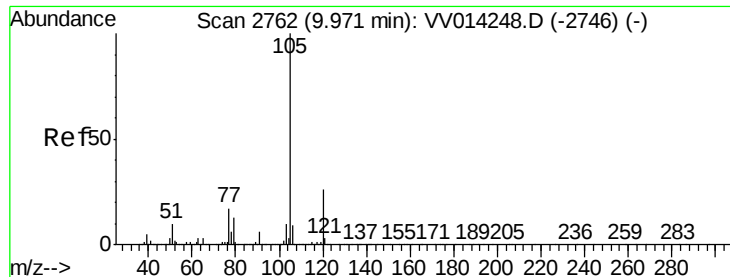
78 47.4 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 9.140 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

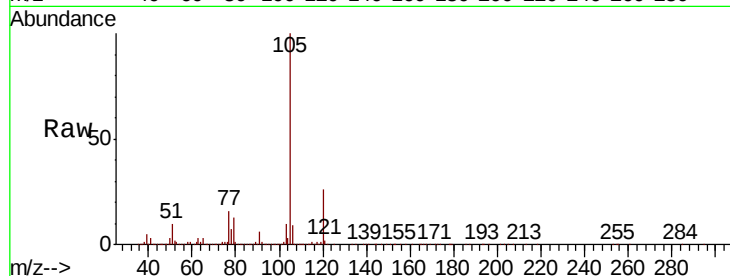
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:105 Resp: 2748621

Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.6
77	16.2	13.0	19.4

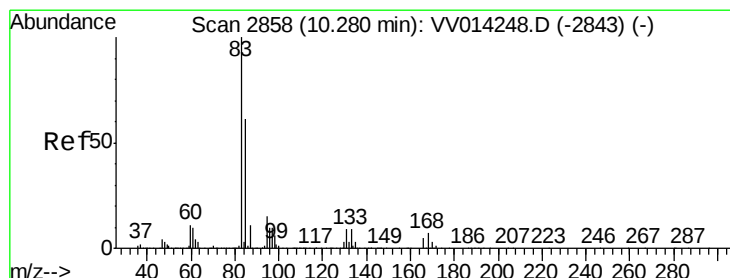
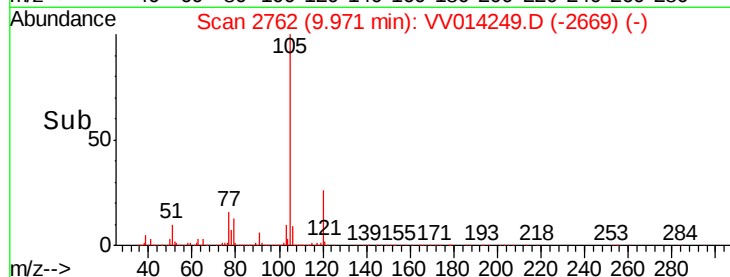
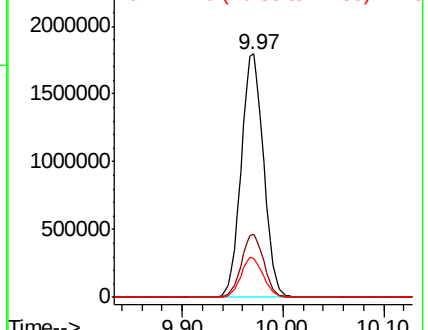


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.310 ug/L

RT: 10.28 min Scan# 2859

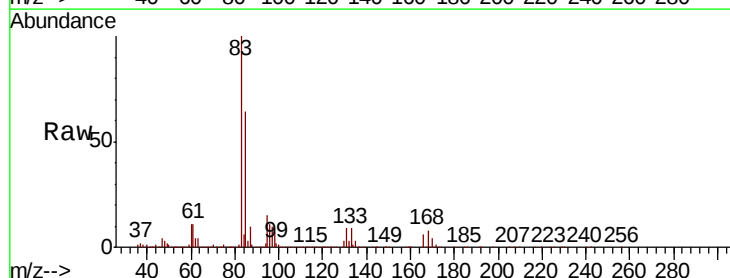
Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Tgt Ion: 83 Resp: 483648

Ion	Ratio	Lower	Upper
83	100		
85	63.9	42.4	78.8
131	9.2	7.4	11.2

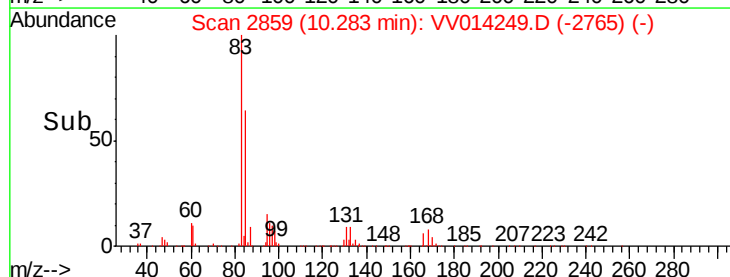
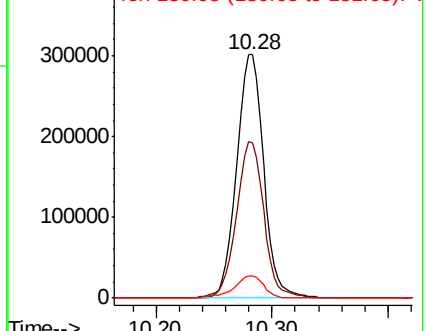


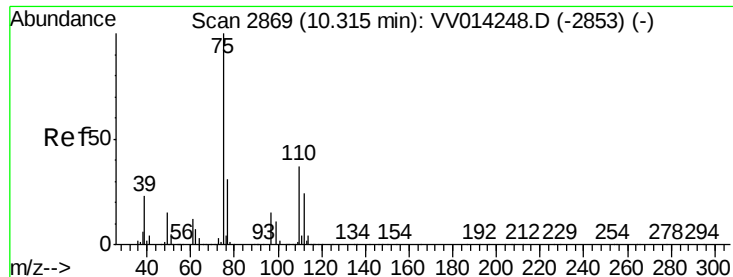
Abundance

Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.433 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

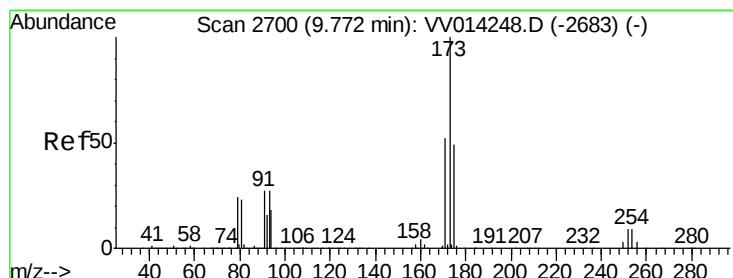
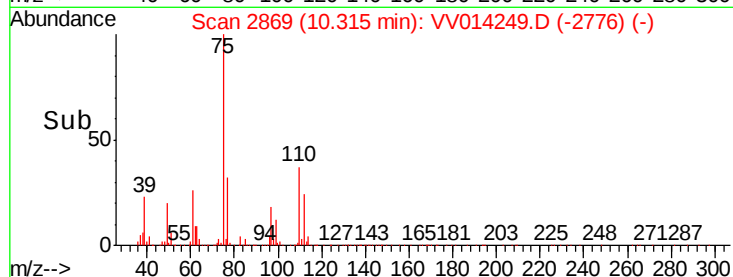
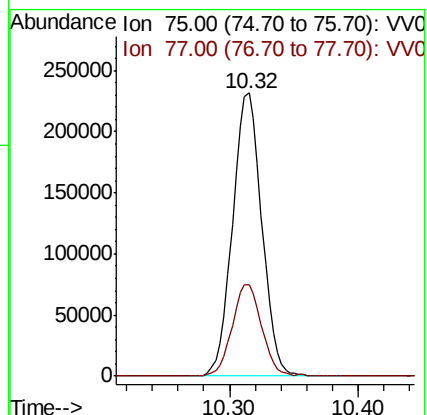
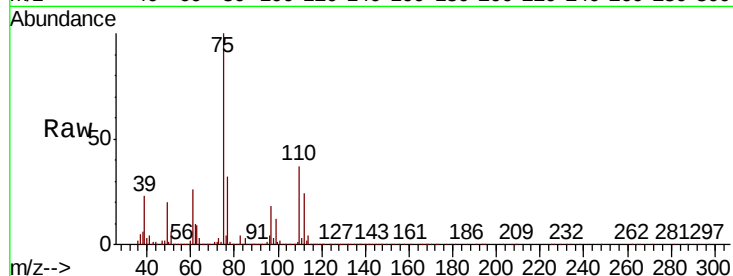
ClientSampled :

Tot Ion: 75 Resp: 363612

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



#61

Bromoform

Concen: 9.011 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

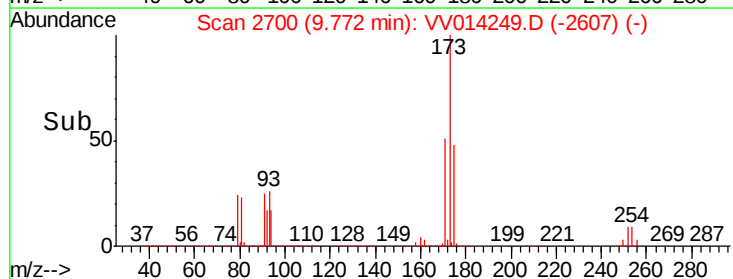
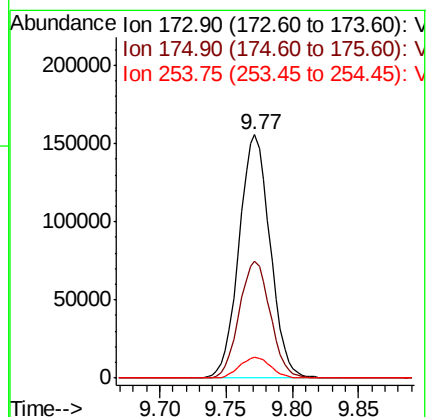
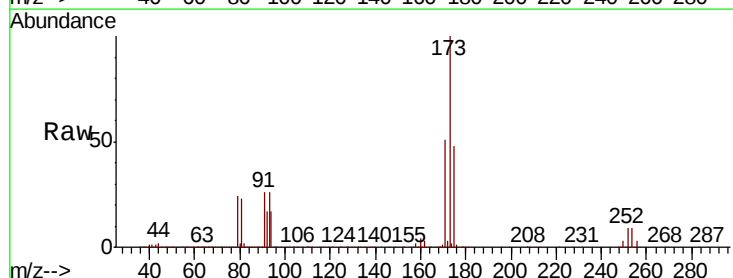
Tgt Ion: 173 Resp: 253653

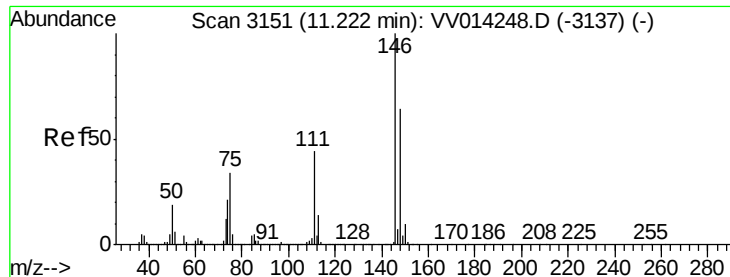
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 8.8 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 9.078 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

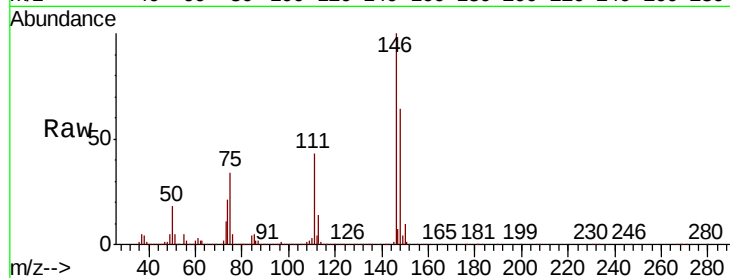
Tot Ion:146 Resp: 1157311

Ion Ratio Lower Upper

146 100

111 43.5 30.6 56.8

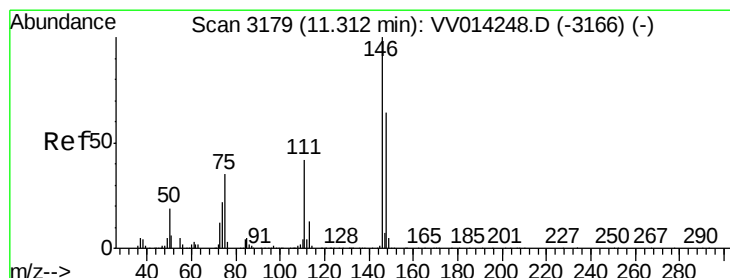
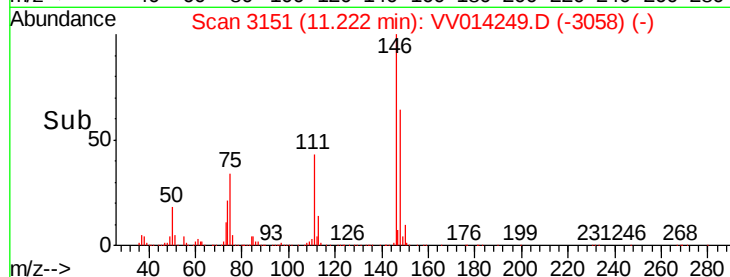
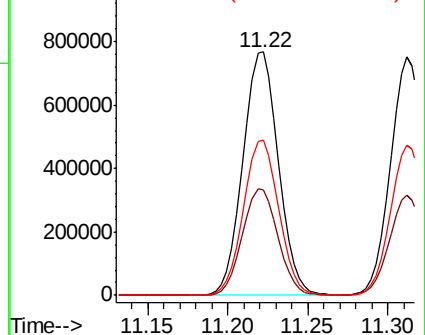
148 63.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 8.996 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

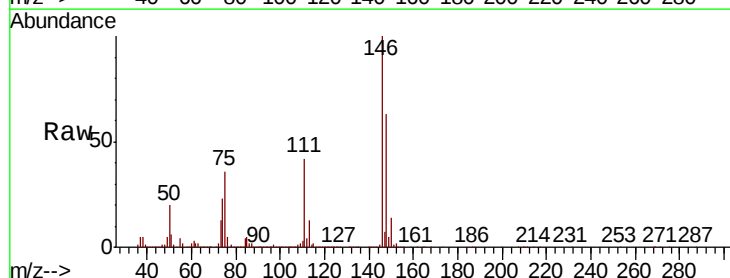
Tgt Ion:146 Resp: 1145465

Ion Ratio Lower Upper

146 100

111 41.9 29.8 55.4

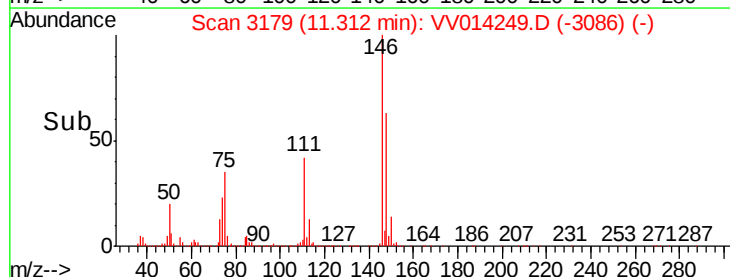
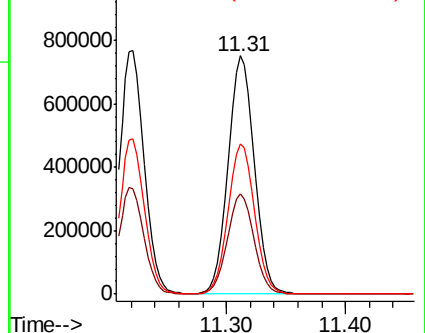
148 63.2 44.6 82.8

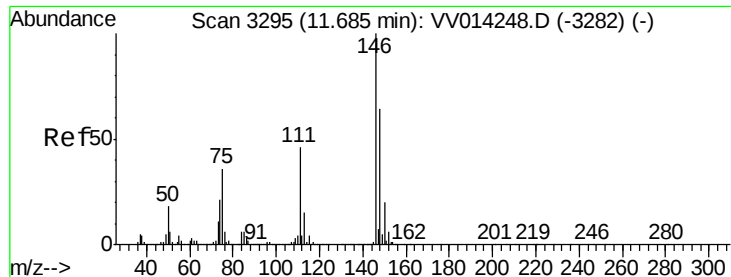


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.048 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

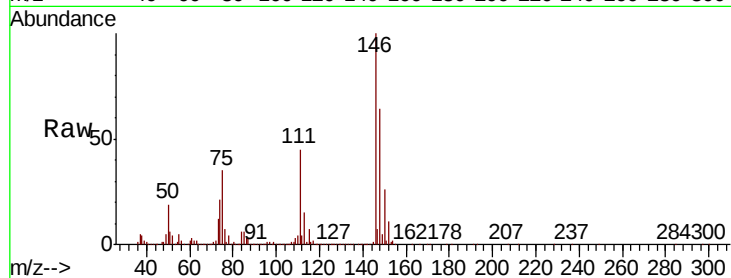
Tot Ion:146 Resp: 1053210

Ion Ratio Lower Upper

146 100

111 45.4 37.3 55.9

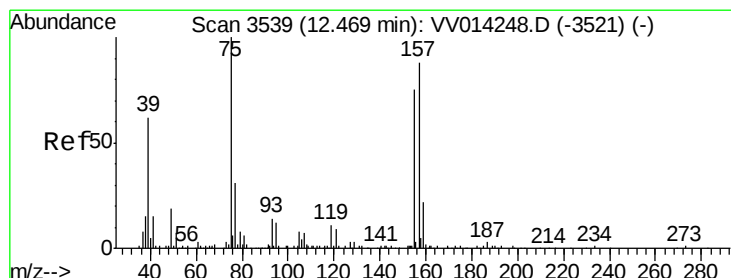
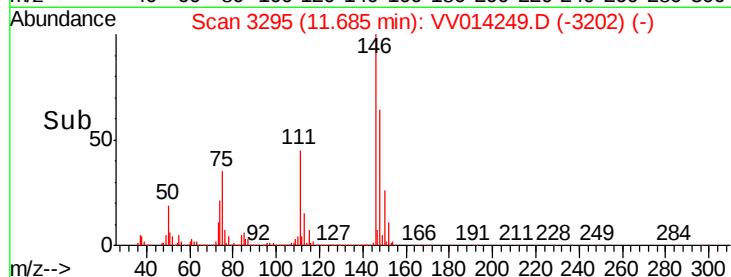
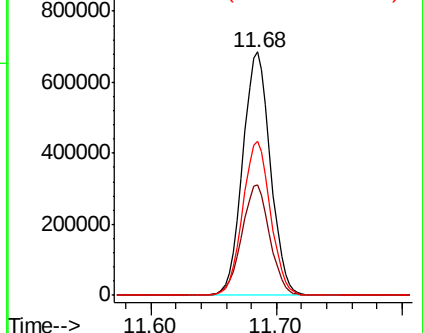
148 63.5 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): 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: 9.441 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

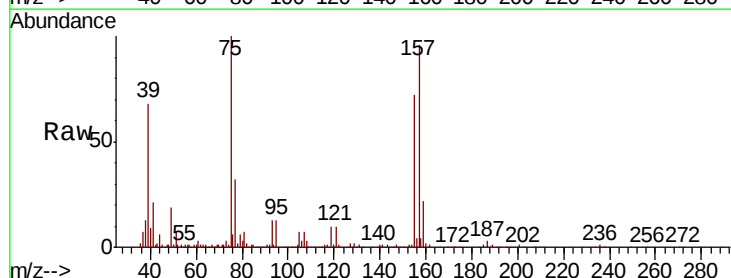
Tgt Ion: 75 Resp: 92669

Ion Ratio Lower Upper

75 100

155 72.5 60.1 90.1

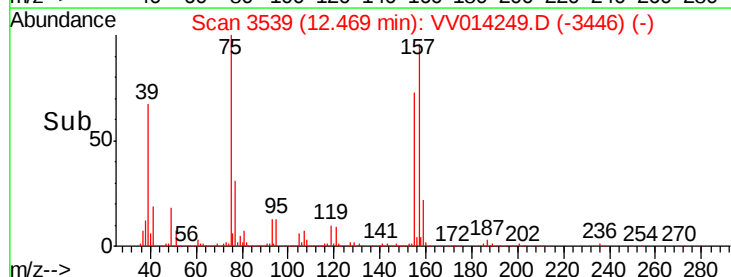
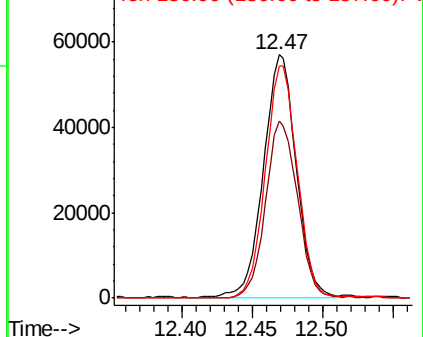
157 95.6 70.6 105.8

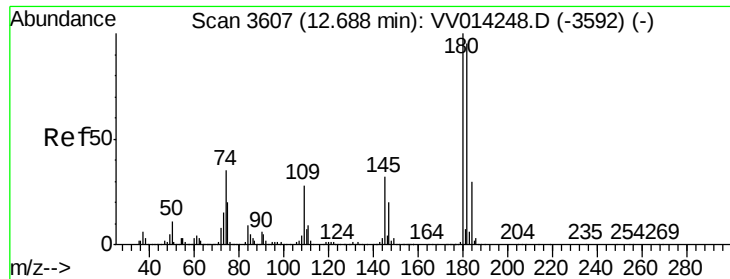


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

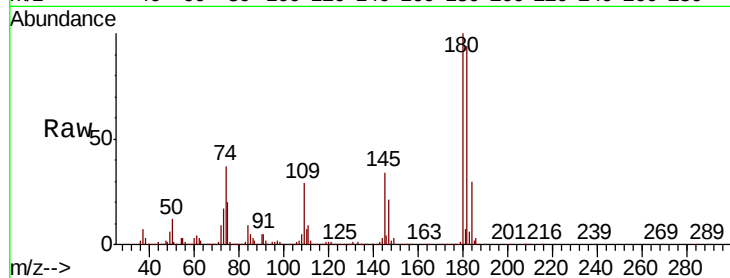




#67
 1,3,5-Trichlorobenzene
 Concen: 9.026 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
184	30.1	23.6	35.4
145	33.2	25.8	38.6



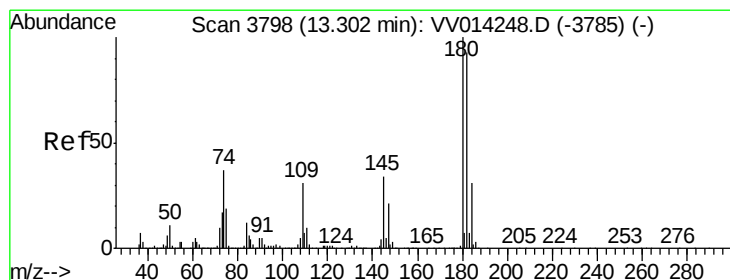
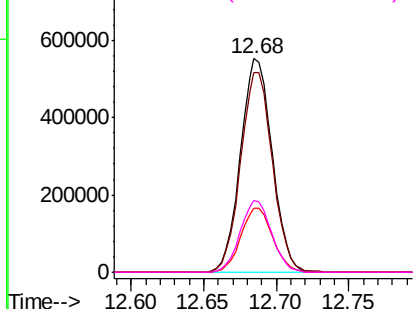
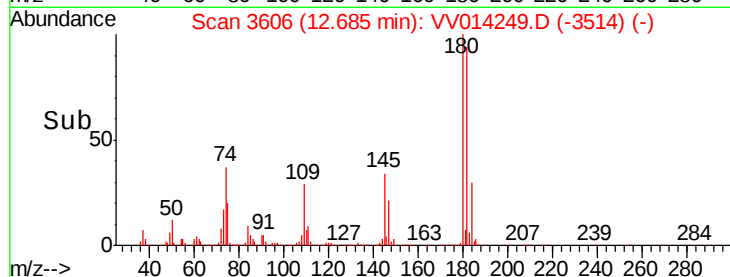
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

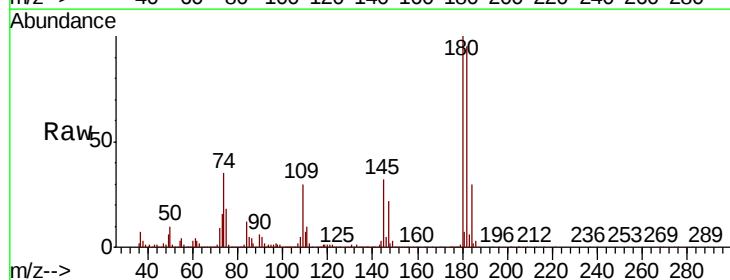
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.102 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014249.D
 Acq: 02 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	32.7	27.4	41.0

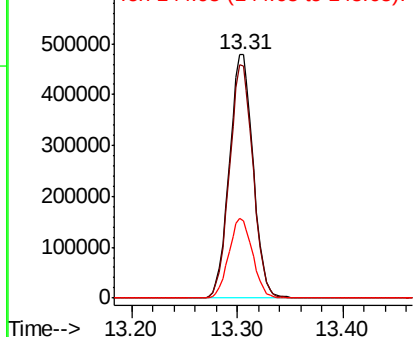
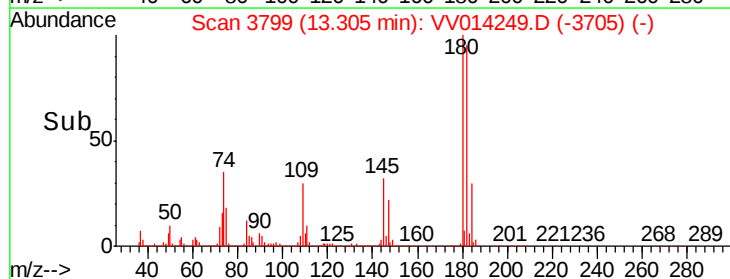


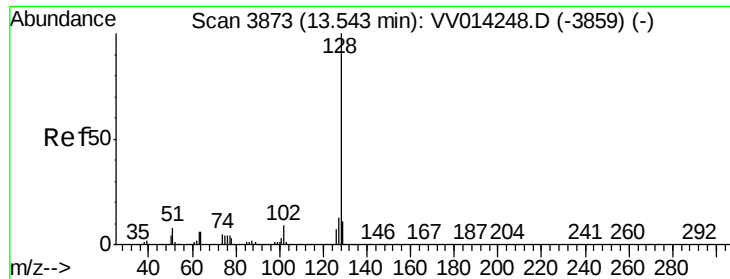
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.163 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

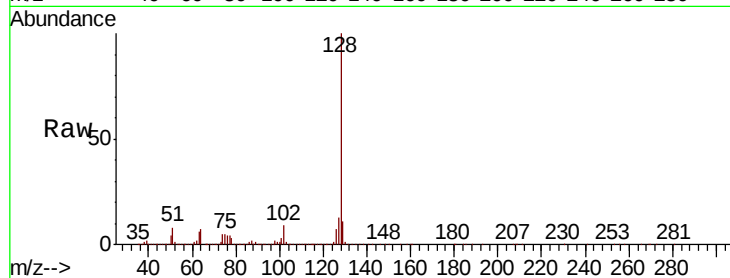
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1543769

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.9	10.2	15.2

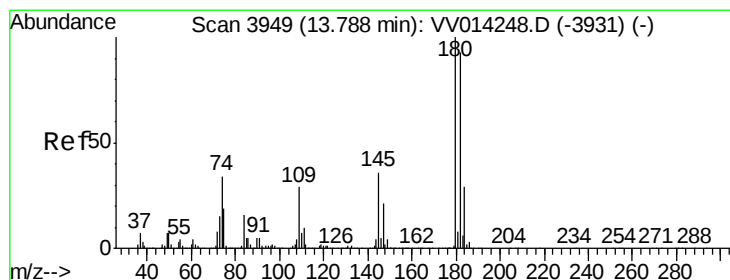
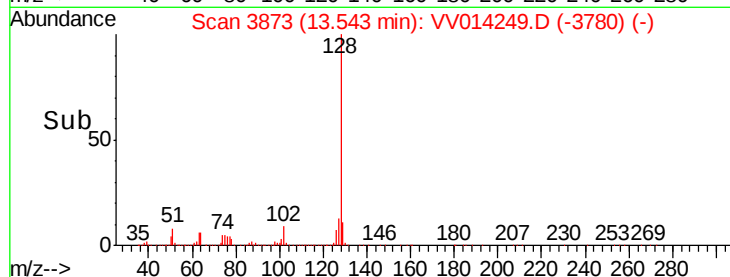
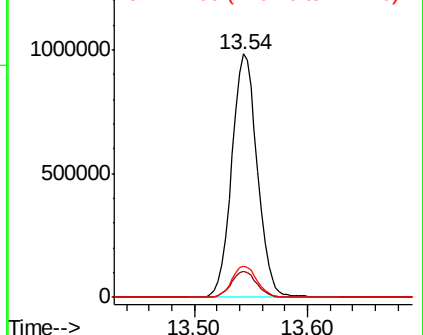


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.301 ug/L

RT: 13.79 min Scan# 3949

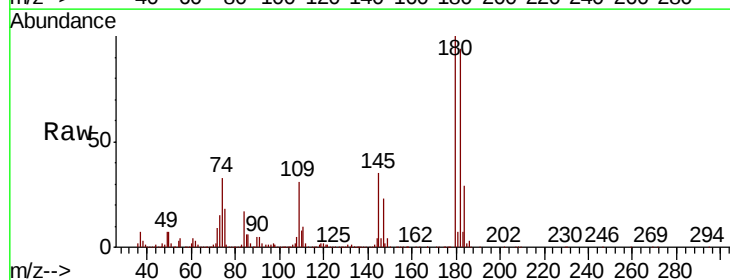
Delta R.T. 0.00 min

Lab File: VV014249.D

Acq: 02 Jan 2020 15:05

Tgt Ion:180 Resp: 663190

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
145	35.2	28.9	43.3



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

