

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091719\
 Data File : VV012866.D
 Acq On : 17 Sep 2019 16:16
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 17:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	400009	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	395800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	195360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199595	6.59	ug/L	0.00
7) Chloroethane-d5	1.58	69	157613	6.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	292460	6.03	ug/L	0.00
20) 2-Butanone-d5	3.98	46	446869	92.07	ug/L	0.00
24) Chloroform-d	4.40	84	326515	6.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	164843	7.24	ug/L	0.00
32) Benzene-d6	5.10	84	667120	6.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	202636	6.90	ug/L	0.00
41) Toluene-d8	7.36	98	612213	7.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	72363	7.45	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	331132	102.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	155192	8.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	208539	6.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	114152	3.959	ug/L 100
3) Chloromethane	1.25	50	132879	4.562	ug/L 100
5) Vinyl chloride	1.32	62	152685	4.678	ug/L 100
6) Bromomethane	1.53	94	73726	4.429	ug/L 100
8) Chloroethane	1.60	64	80752	4.591	ug/L 100
9) Trichlorofluoromethane	1.77	101	188914	4.731	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	113490	4.803	ug/L 100
12) 1,1-Dichloroethene	2.14	96	102755	4.725	ug/L 100
13) Acetone	2.24	43	207756	65.879	ug/L 100
14) Carbon disulfide	2.32	76	208255	4.506	ug/L 100
15) Methyl Acetate	2.48	43	64917	6.906	ug/L 100
16) Methylene chloride	2.53	84	117824	4.545	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	294994	5.106	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	108860	4.600	ug/L 100
19) 1,1-Dichloroethane	3.23	63	234932	4.790	ug/L 100
21) 2-Butanone	4.06	43	391627	67.012	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	128681	4.874	ug/L 100
23) Bromochloromethane	4.30	128	55678	4.868	ug/L 100
25) Chloroform	4.42	83	253079	4.611	ug/L 100
27) 1,2-Dichloroethane	5.18	62	143839	5.026	ug/L 100
29) 1,1,1-Trichloroethane	4.65	97	193482	4.765	ug/L 100
30) Cyclohexane	4.72	56	163767	4.790	ug/L 100
31) Carbon tetrachloride	4.87	117	163276	4.753	ug/L 100
33) Benzene	5.14	78	501303	5.014	ug/L 100
34) Trichloroethene	5.95	95	124487	4.438	ug/L 100
35) Methylcyclohexane	6.17	83	171463	4.904	ug/L 100
37) 1,2-Dichloropropane	6.22	63	136111	5.029	ug/L 100
38) Bromodichloromethane	6.55	83	172160	4.922	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	175359	5.185	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	934608	60.122	ug/L 100

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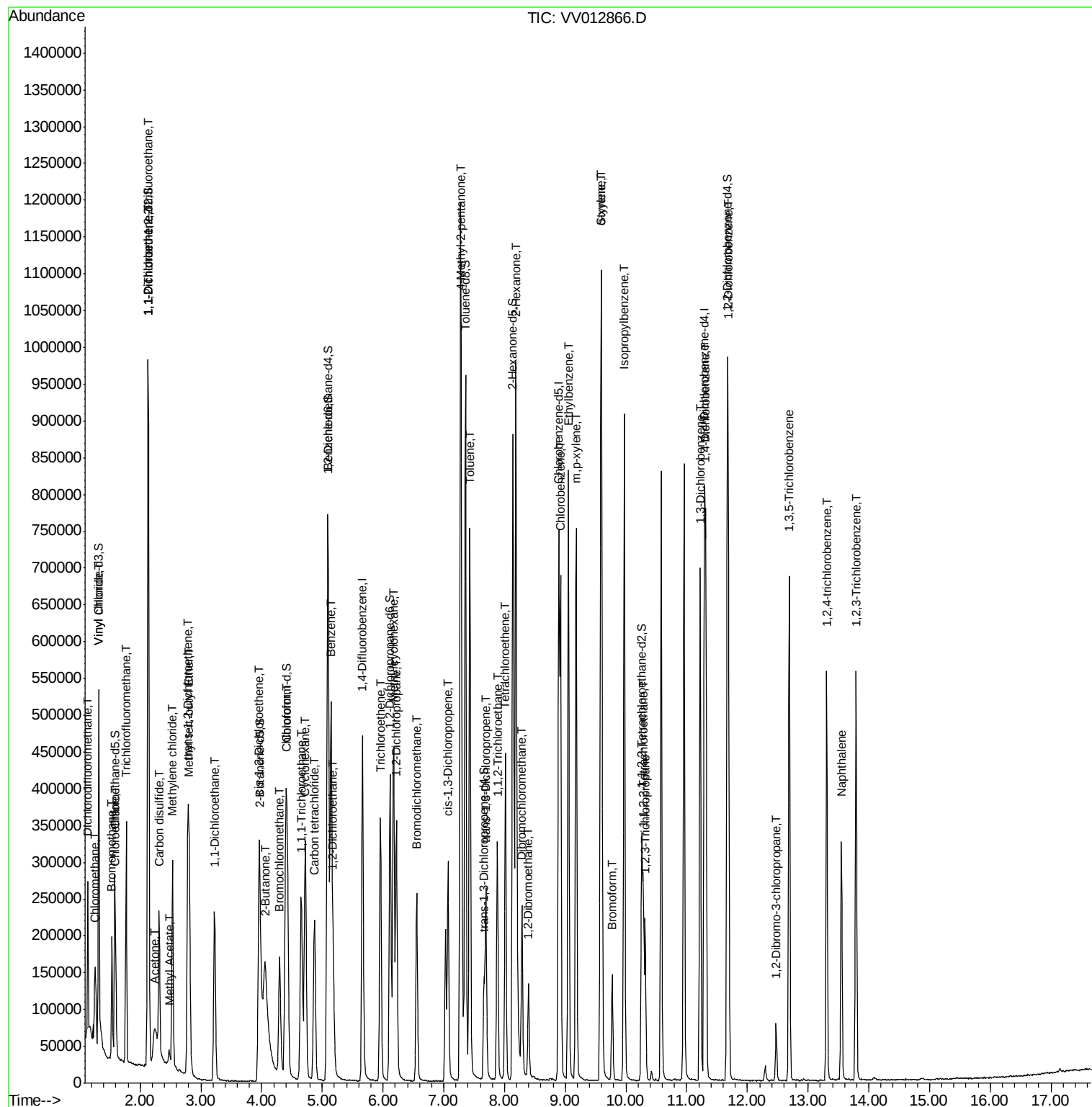
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	539439	5.268	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	141249	5.243	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	98946	5.101	ug/L	100
47) Tetrachloroethene	8.02	164	101614	4.867	ug/L	100
48) 2-Hexanone	8.19	43	696988	59.343	ug/L	100
49) Dibromochloromethane	8.29	129	113627	5.141	ug/L	100
50) 1,2-Dibromoethane	8.40	107	84207	5.203	ug/L	100
51) Chlorobenzene	8.92	112	352147	4.993	ug/L	100
52) Ethylbenzene	9.05	91	563691	5.160	ug/L	100
53) m,p-xylene	9.18	106	212179	5.233	ug/L	100
54) o-xylene	9.59	106	208170	5.275	ug/L	100
55) Styrene	9.60	104	372293	5.554	ug/L	100
56) Isopropylbenzene	9.97	105	565156	5.334	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	128220	6.577	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	88209	5.401	ug/L	100
61) Bromoform	9.77	173	63052	5.065	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	280750	5.021	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	284006	4.894	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	273183	5.014	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	17699	6.250	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	213908	4.936	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	170019	5.180	ug/L	100
69) Naphthalene	13.55	128	253830	5.327	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	173428	5.414	ug/L	100

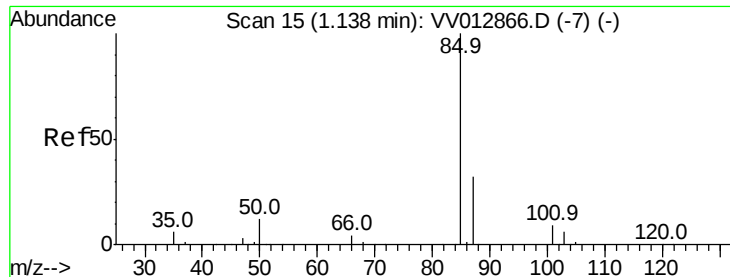
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.959 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

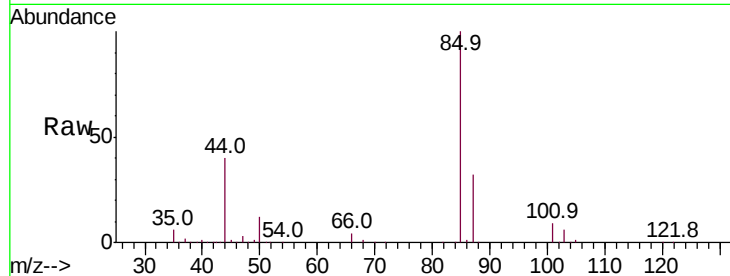
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 114152

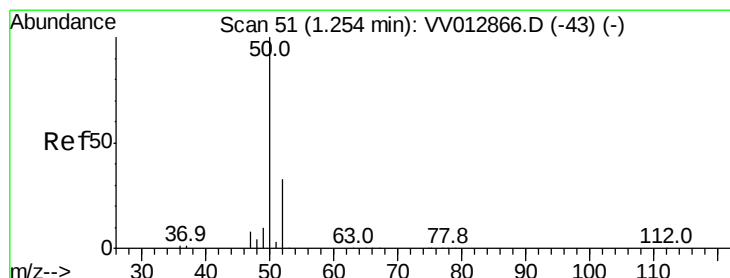
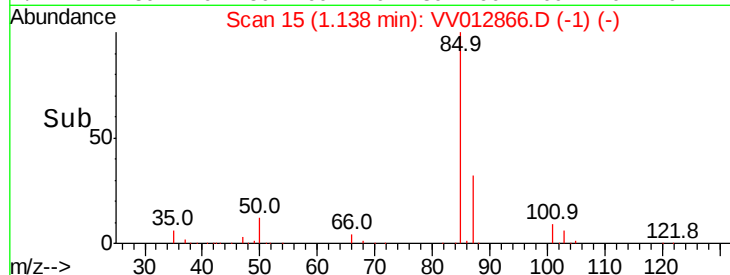
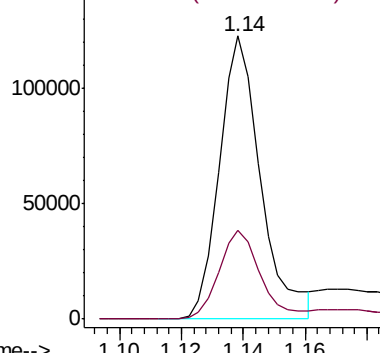
Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.562 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012866.D

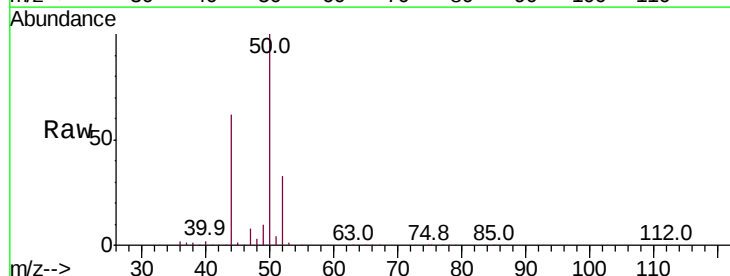
Acq: 17 Sep 2019 16:16

Tgt Ion: 50 Resp: 132879

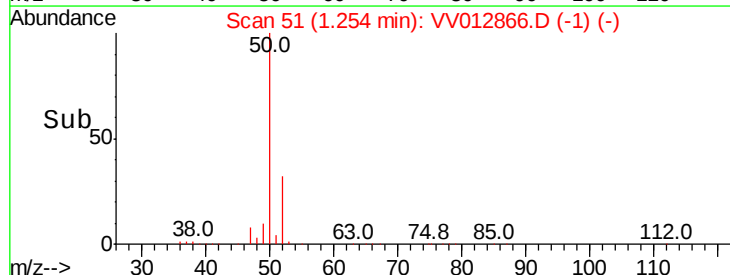
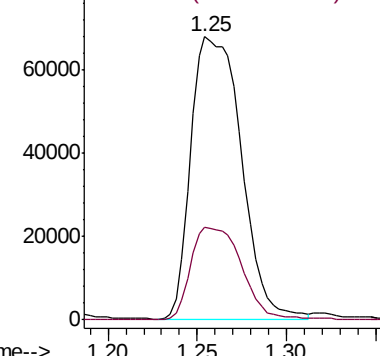
Ion Ratio Lower Upper

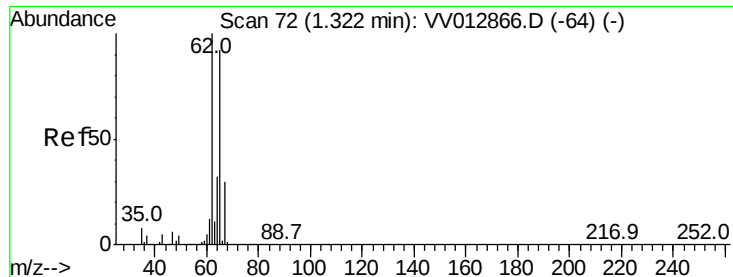
50 100

52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.678 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

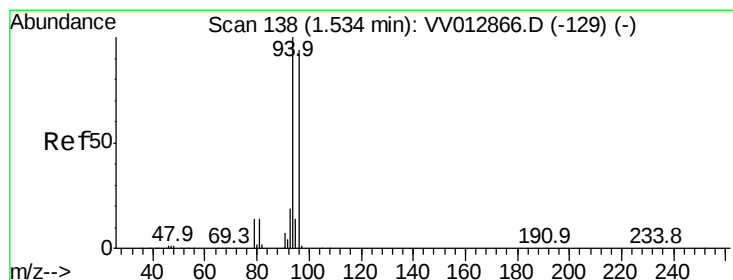
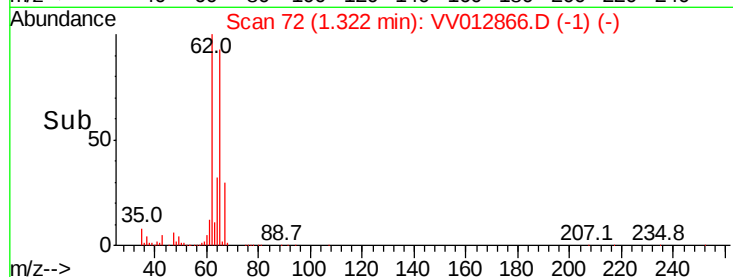
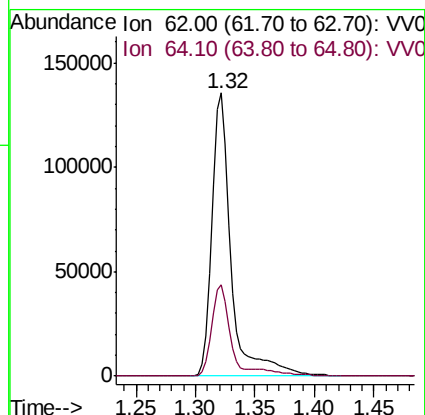
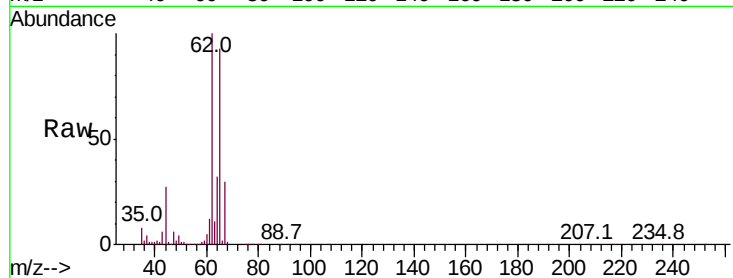
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 152685

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 4.429 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012866.D

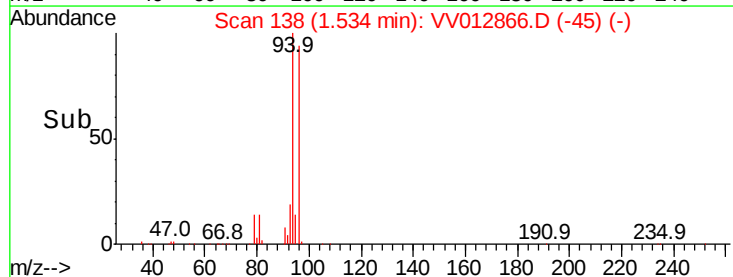
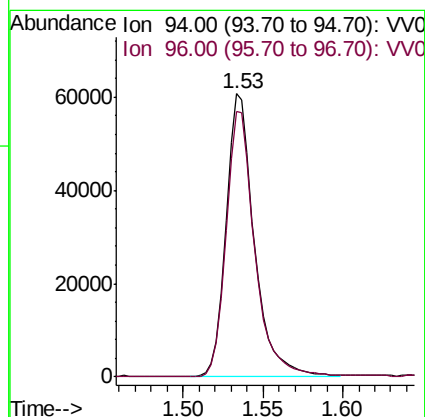
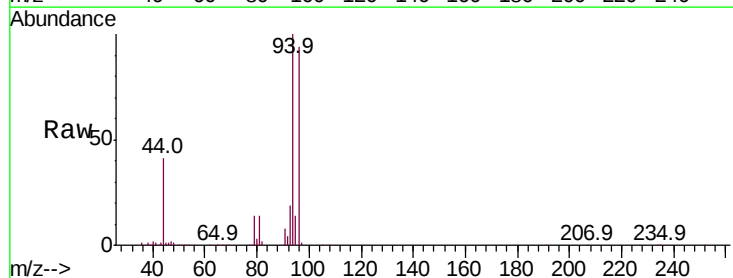
Acq: 17 Sep 2019 16:16

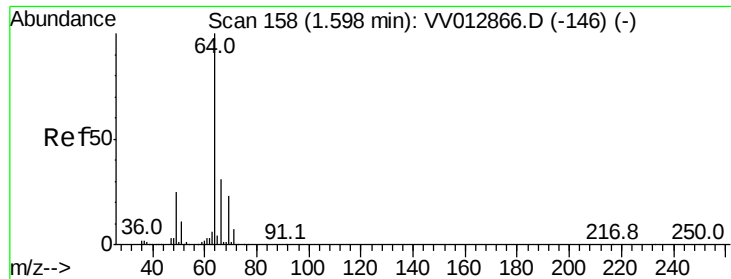
Tgt Ion: 94 Resp: 73726

Ion Ratio Lower Upper

94 100

96 93.7 65.6 121.8





#8

Chloroethane

Concen: 4.591 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

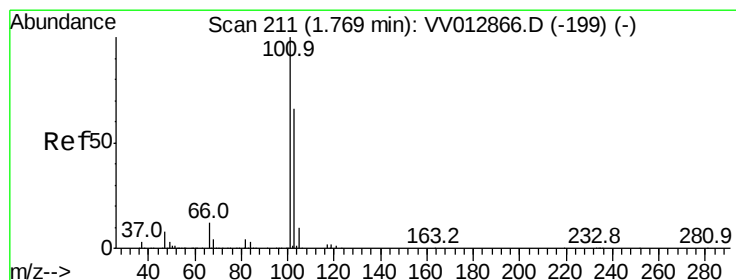
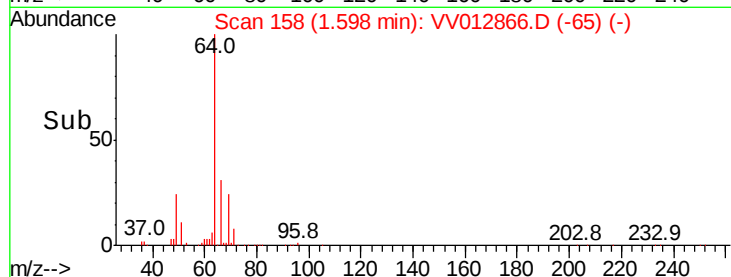
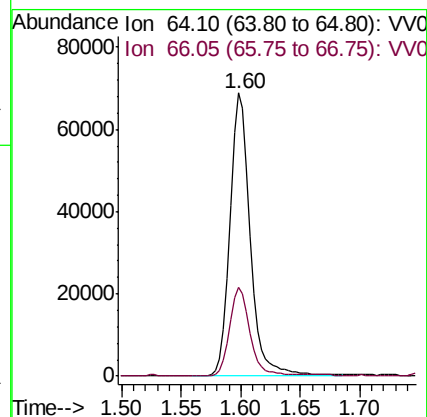
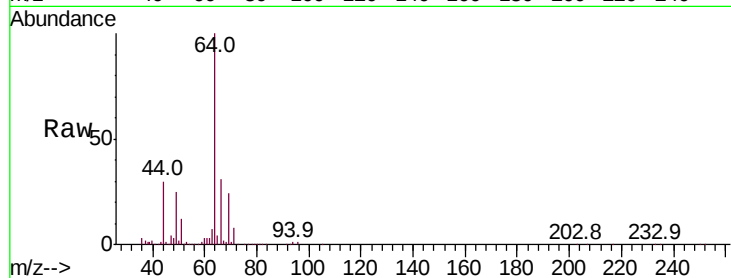
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 80752

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 4.731 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012866.D

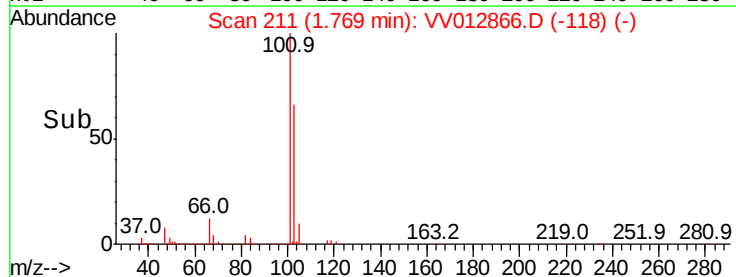
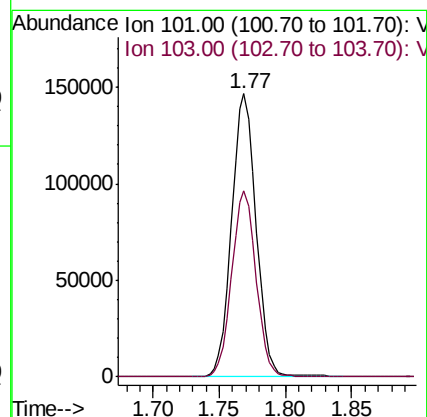
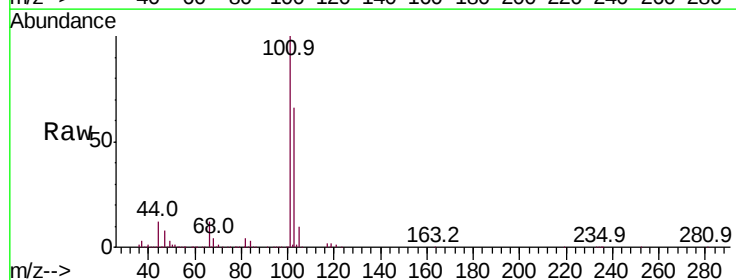
Acq: 17 Sep 2019 16:16

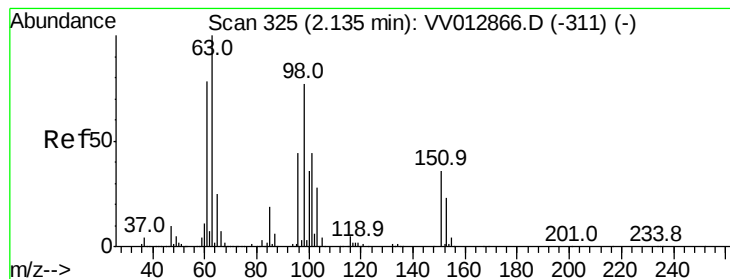
Tgt Ion: 101 Resp: 188914

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5





#10

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

Concen: 4.803 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

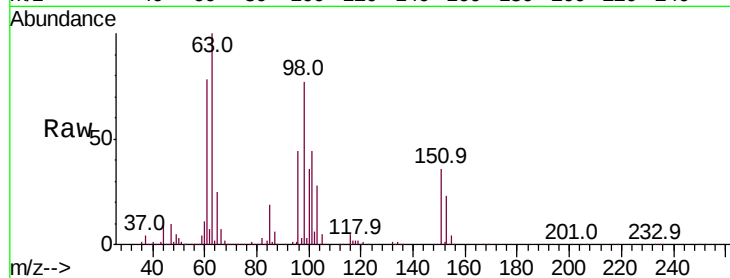
Tot Ion:101 Resp: 113490

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

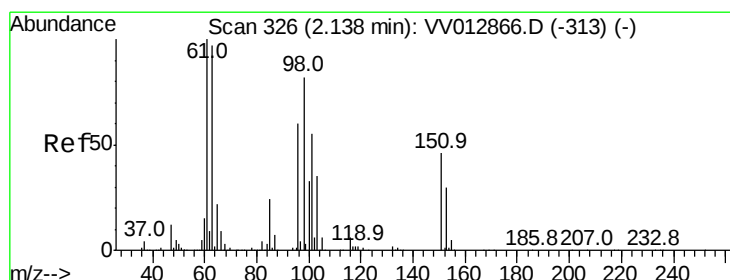
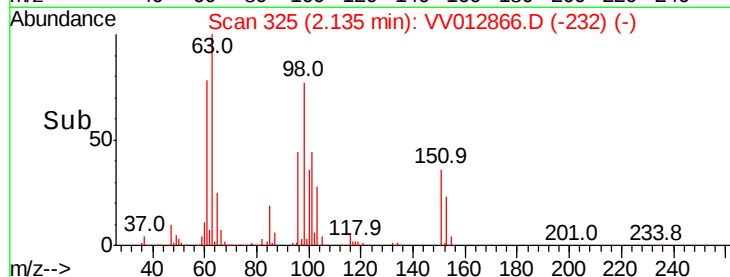
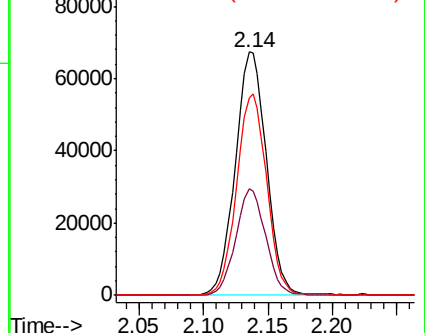
151 80.0 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.725 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

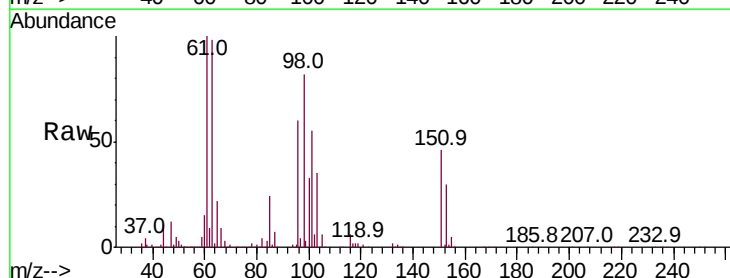
Tgt Ion: 96 Resp: 102755

Ion Ratio Lower Upper

96 100

61 165.8 116.1 215.5

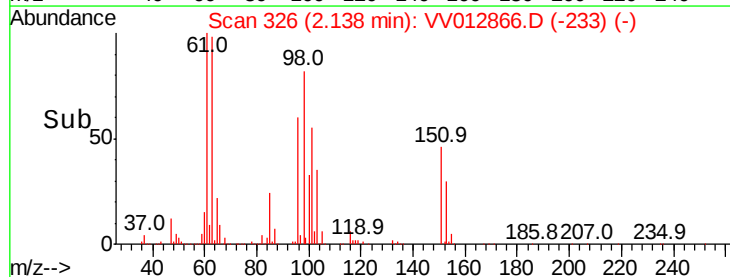
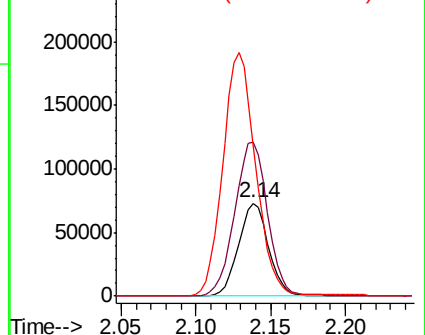
63 161.8 113.3 210.3

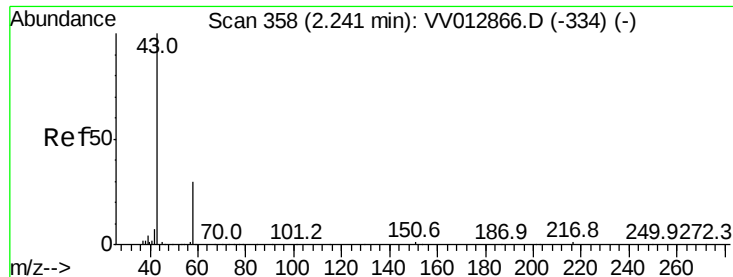


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.879 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

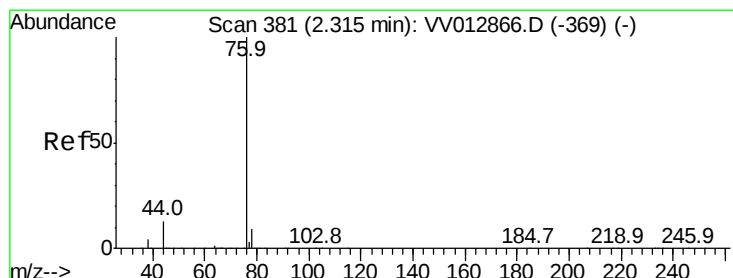
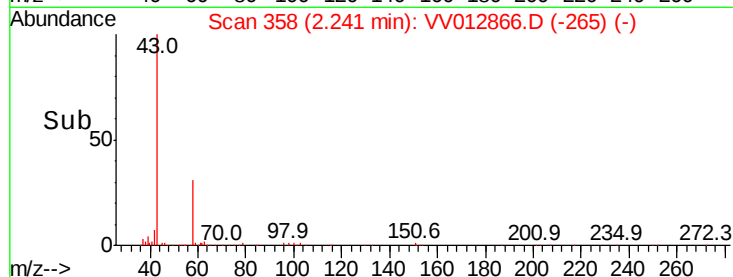
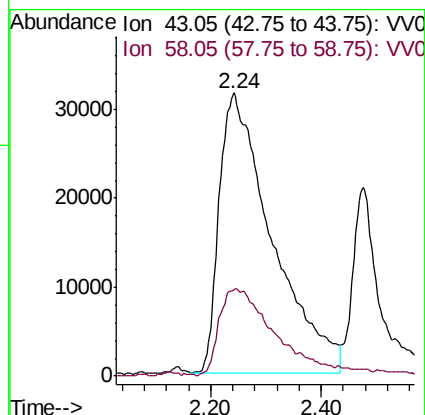
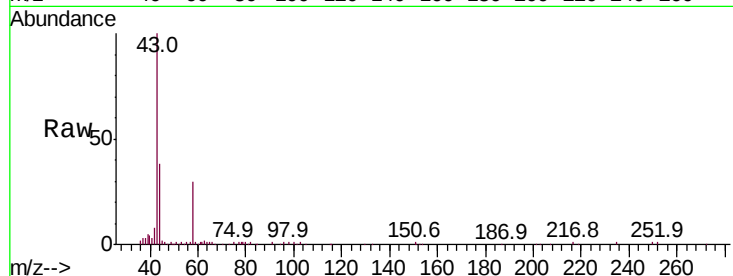
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 207756

Ion Ratio Lower Upper

43 100

58 12.2 0.0 24.4



#14

Carbon disulfide

Concen: 4.506 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012866.D

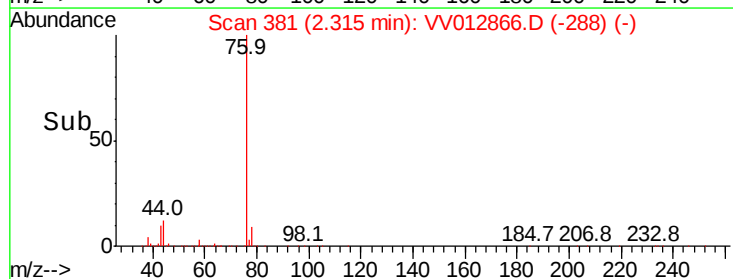
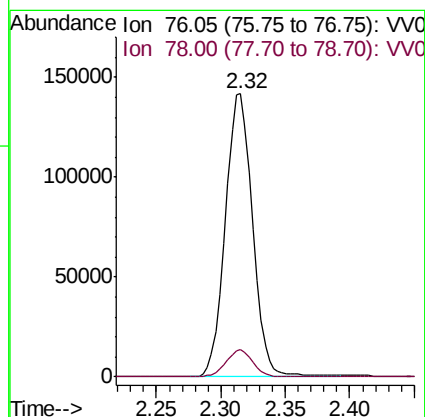
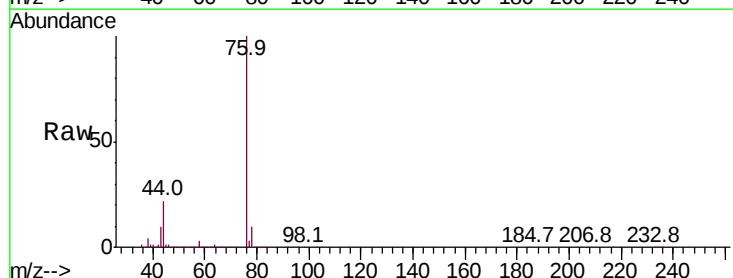
Acq: 17 Sep 2019 16:16

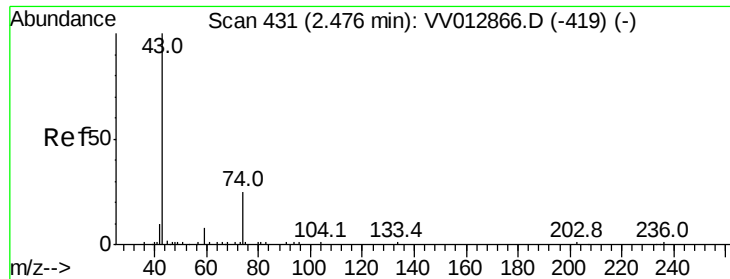
Tgt Ion: 76 Resp: 208255

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4





#15

Methyl Acetate

Concen: 6.906 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

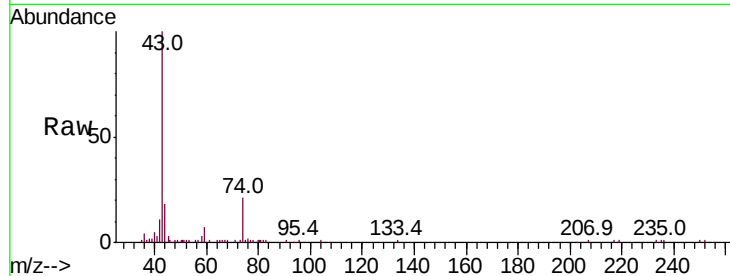
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 64917

Ion Ratio Lower Upper

43 100

74 17.6 14.1 21.1



Abundance Ion 43.05 (42.75 to 43.75): VV012866.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV012866.D (-419) (-)

25000

20000

15000

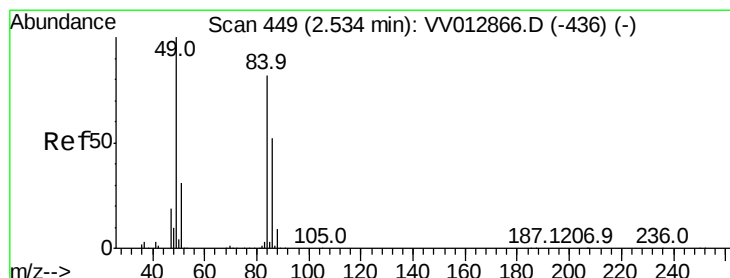
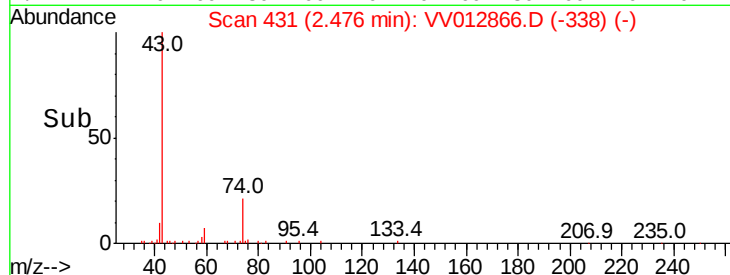
10000

5000

0

2.40 2.45 2.50 2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 4.545 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

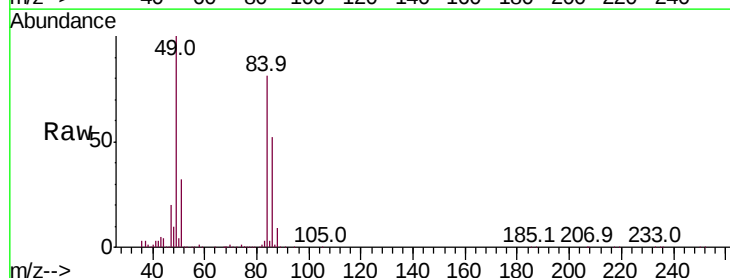
Tgt Ion: 84 Resp: 117824

Ion Ratio Lower Upper

84 100

86 64.0 44.8 83.2

49 122.7 85.9 159.5



Abundance Ion 84.05 (83.75 to 84.75): VV012866.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV012866.D (-436) (-)

Ion 49.10 (48.80 to 49.80): VV012866.D (-436) (-)

120000

100000

80000

60000

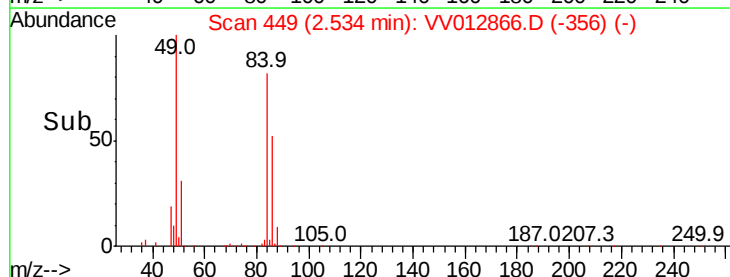
40000

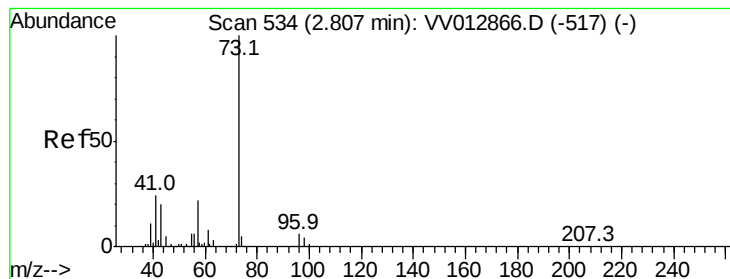
20000

0

2.50 2.55 2.60 2.65 2.70

Time-->



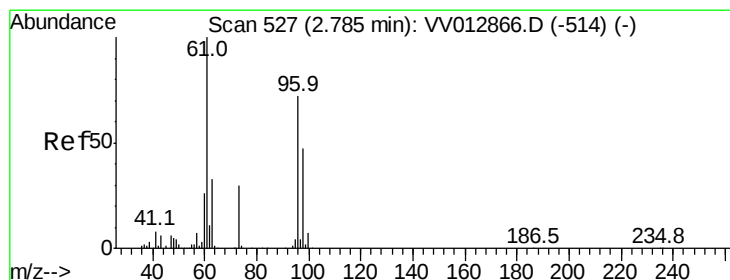
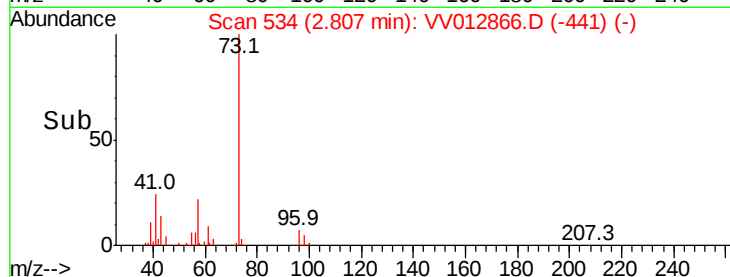
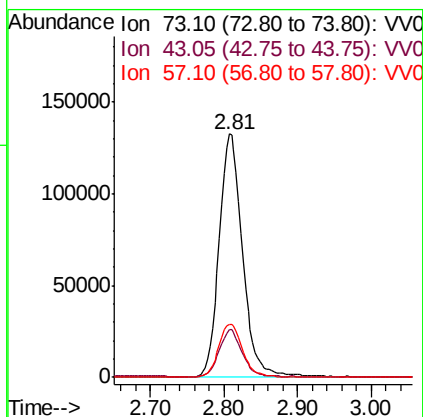
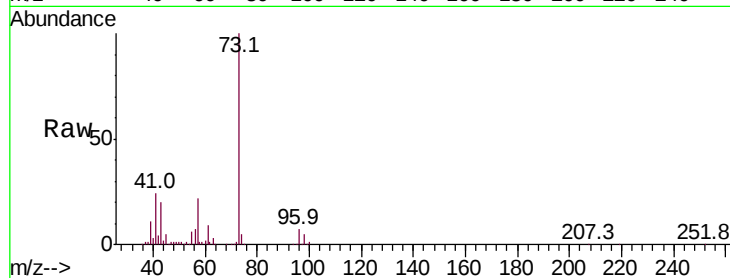


#17

Methvl tert-butvl Ether
 Concen: 5.106 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Instrument :
 MSVOA_V
 ClientSampleId :

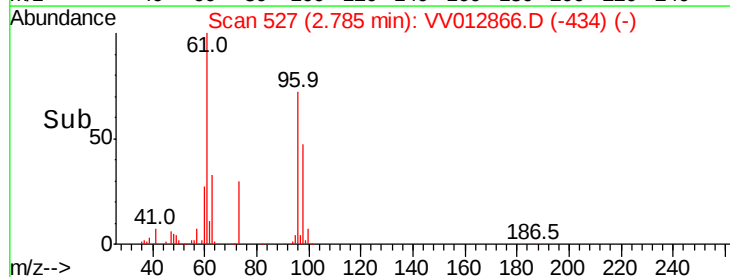
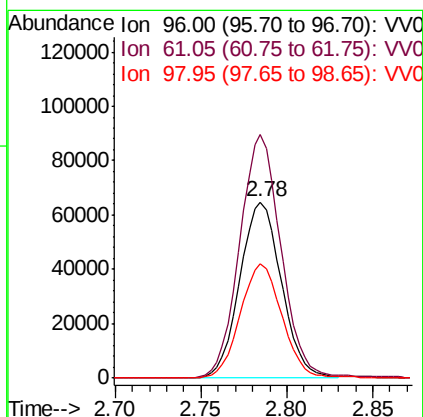
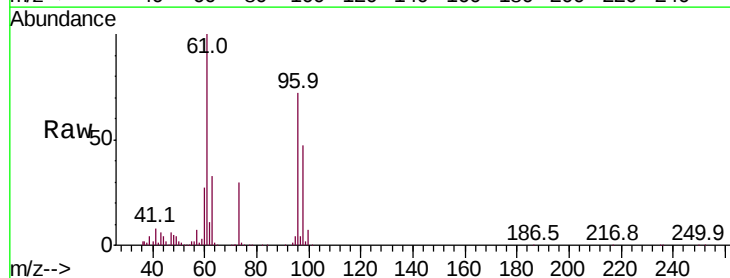
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.0	22.4
57	22.4	17.9	26.9

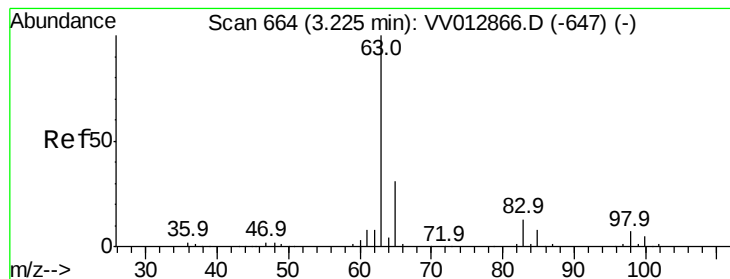


#18

trans-1,2-Dichloroethene
 Concen: 4.600 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.3	96.8	179.8
98	64.6	45.2	84.0





#19

1,1-Dichloroethane

Concen: 4.790 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

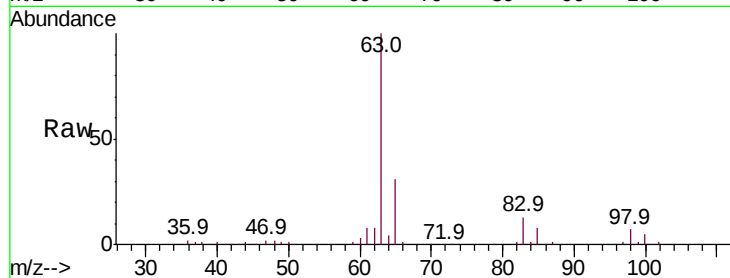
Tot Ion: 63 Resp: 234932

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

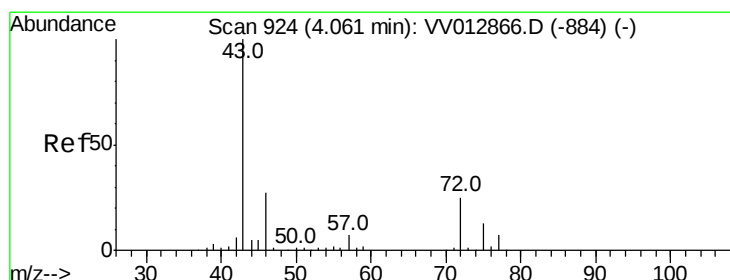
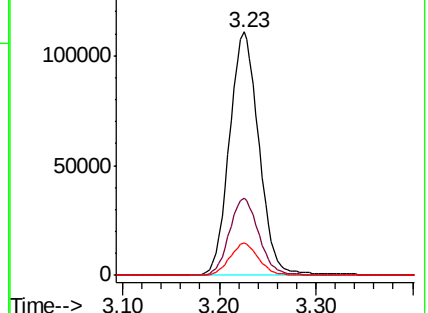
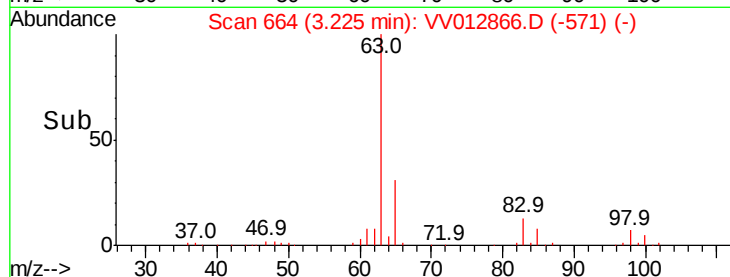
83 13.1 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 67.012 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.00 min

Lab File: VV012866.D

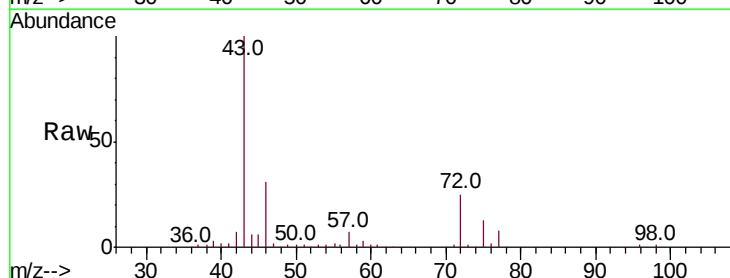
Acq: 17 Sep 2019 16:16

Tgt Ion: 43 Resp: 391627

Ion Ratio Lower Upper

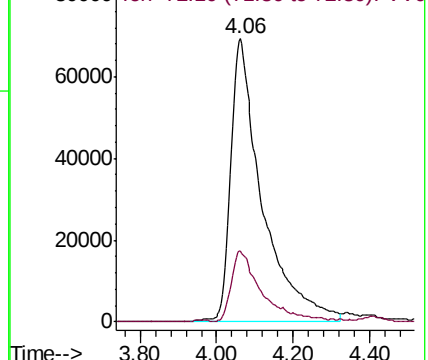
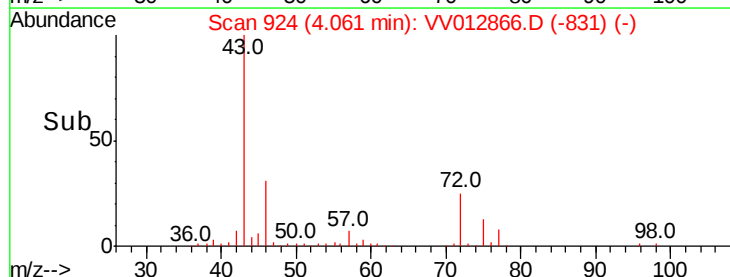
43 100

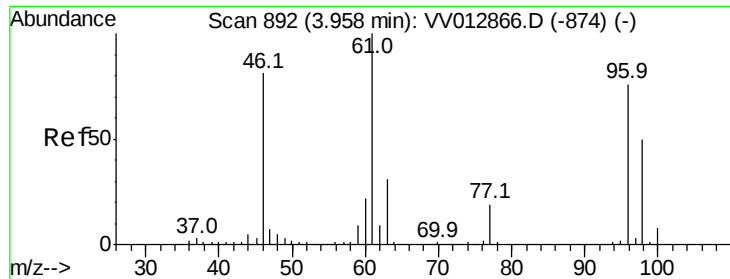
72 20.8 10.4 31.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



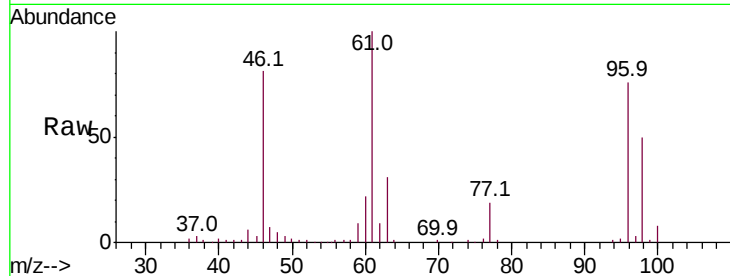


#22

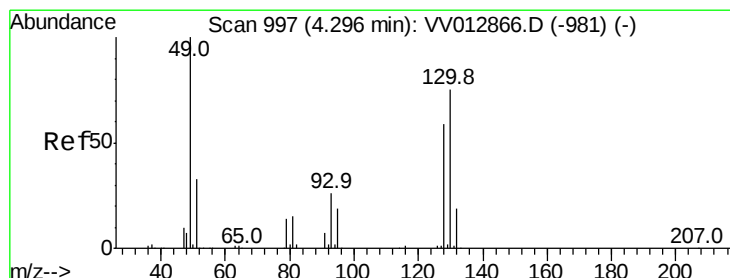
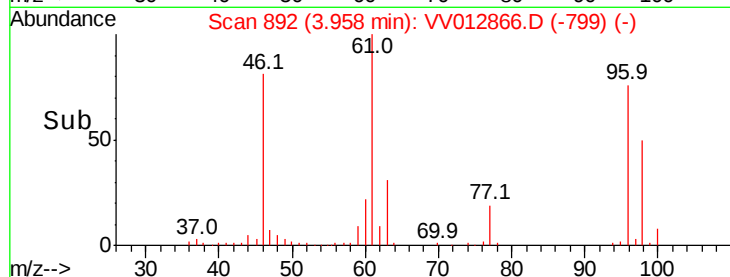
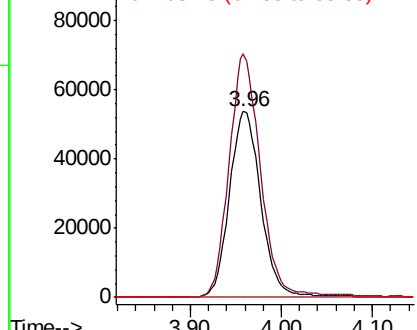
cis-1,2-Dichloroethene
Concen: 4.874 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	91.8	170.6
68	0.0	0.0	0.0



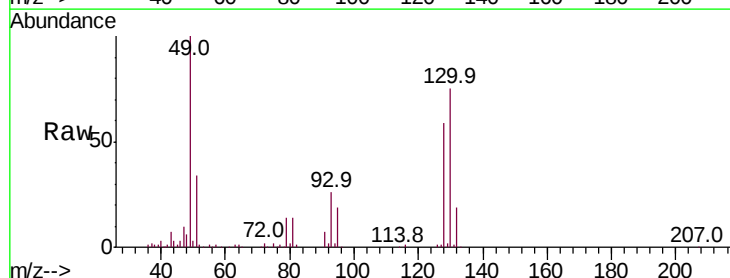
Abundance Ion 96.00 (95.70 to 96.70): VV012866.D (-874) (-)
Ion 61.05 (60.75 to 61.75): VV012866.D (-874) (-)
Ion 68.15 (67.85 to 68.85): VV012866.D (-874) (-)



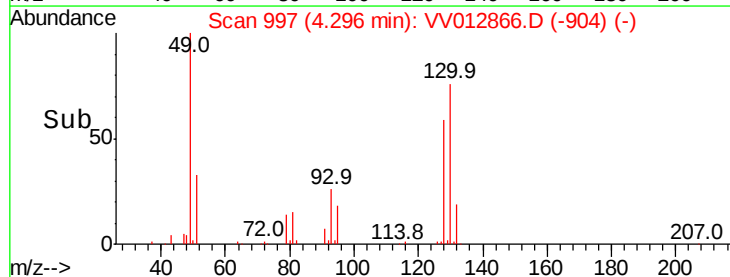
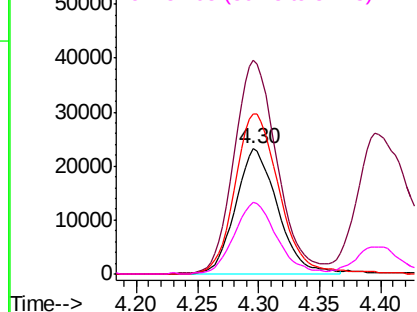
#23

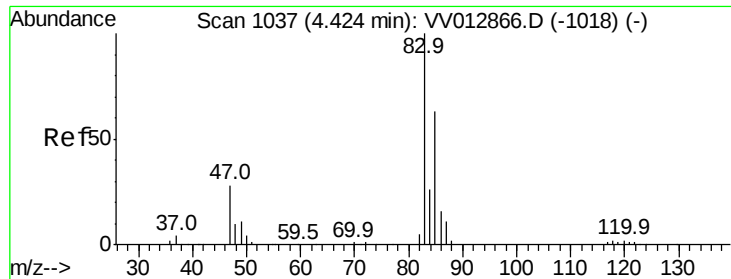
Bromochloromethane
Concen: 4.868 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.8	119.6	222.0
130	128.3	89.8	166.8
51	57.2	45.8	68.6



Abundance Ion 127.90 (127.60 to 128.60): VV012866.D (-981) (-)
Ion 49.10 (48.80 to 49.80): VV012866.D (-981) (-)
Ion 129.95 (129.65 to 130.65): VV012866.D (-981) (-)
Ion 51.05 (50.75 to 51.75): VV012866.D (-981) (-)

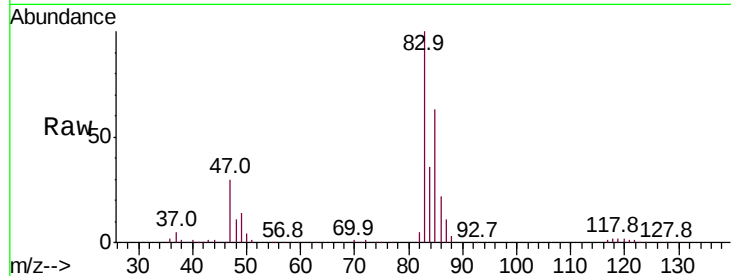




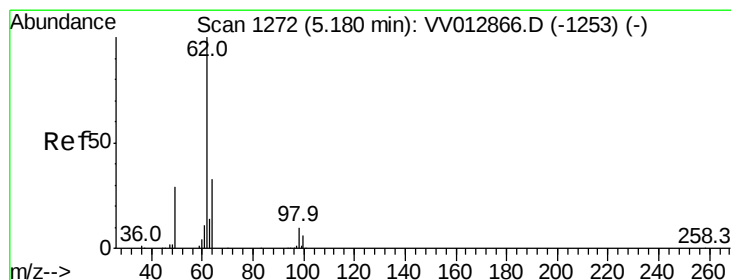
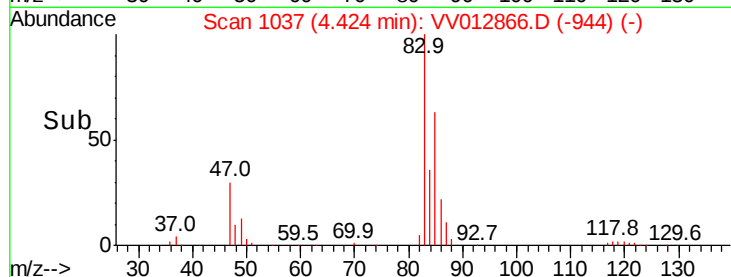
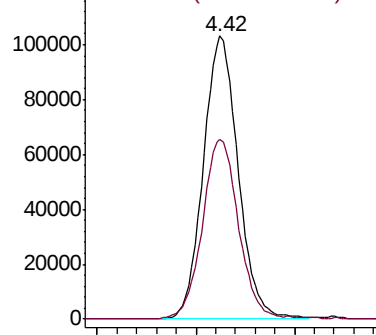
#25
Chloroform
Concen: 4.611 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 253079
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5

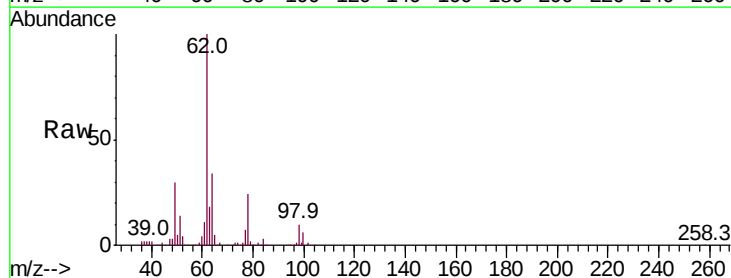


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

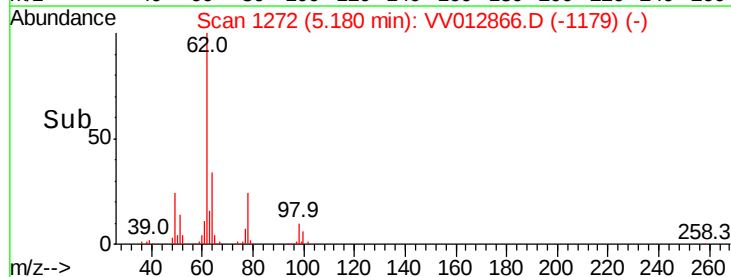
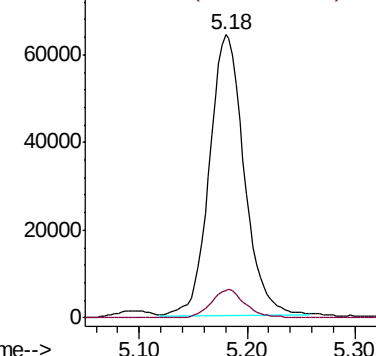


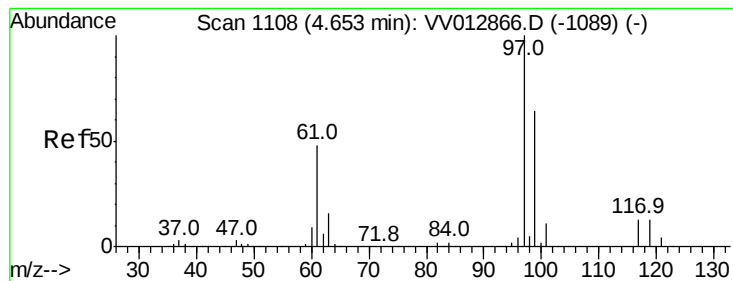
#27
1,2-Dichloroethane
Concen: 5.026 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Tgt Ion: 62 Resp: 143839
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 4.765 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :
MSVOA_V
ClientSampleId :

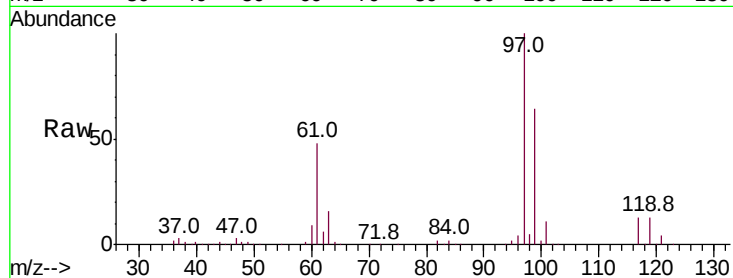
Tot Ion: 97 Resp: 193482

Ion Ratio Lower Upper

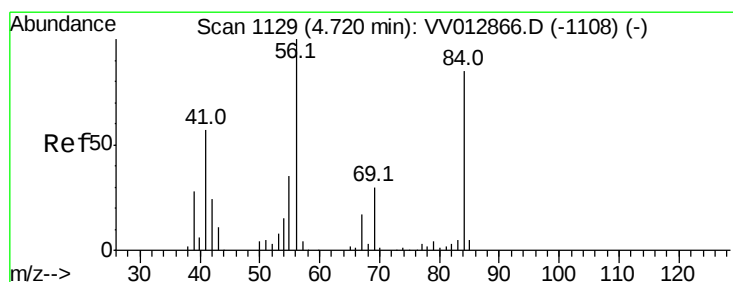
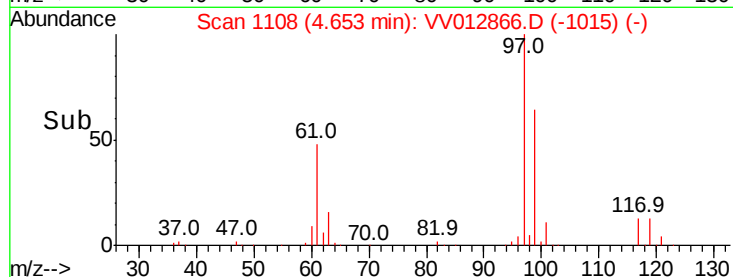
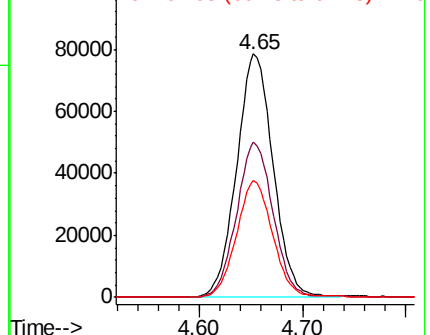
97 100

99 63.6 50.9 76.3

61 47.7 38.2 57.2



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.790 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

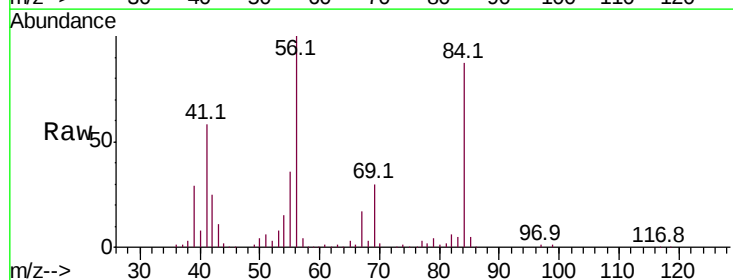
Tgt Ion: 56 Resp: 163767

Ion Ratio Lower Upper

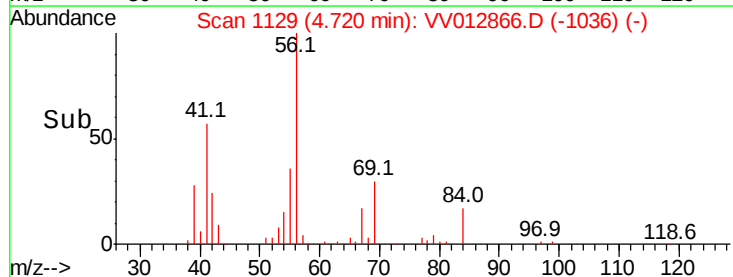
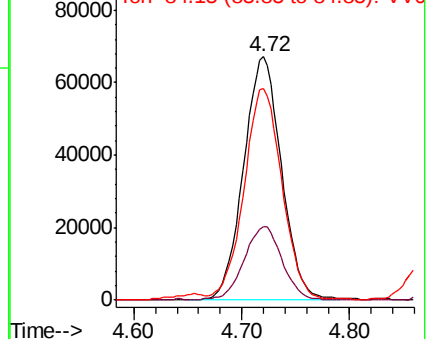
56 100

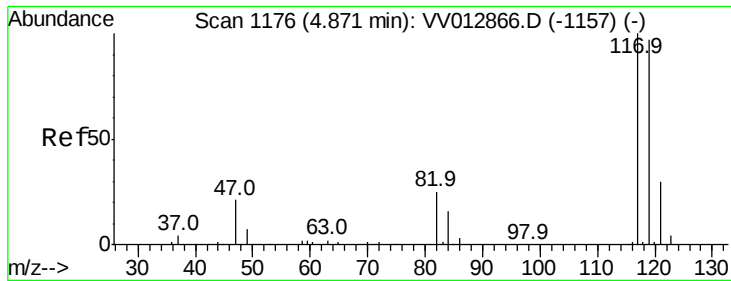
69 30.5 24.4 36.6

84 86.6 69.3 103.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

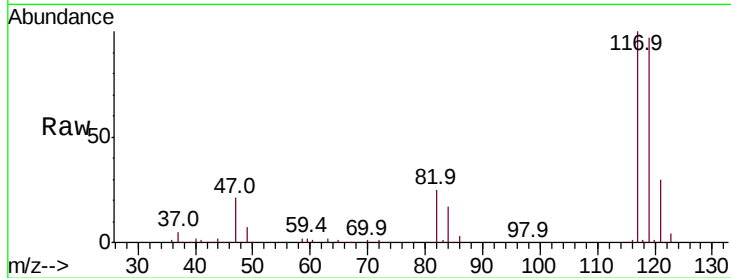




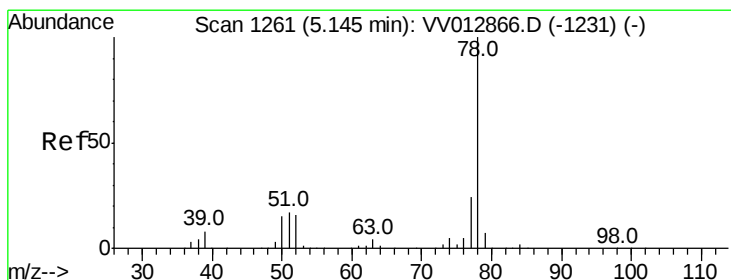
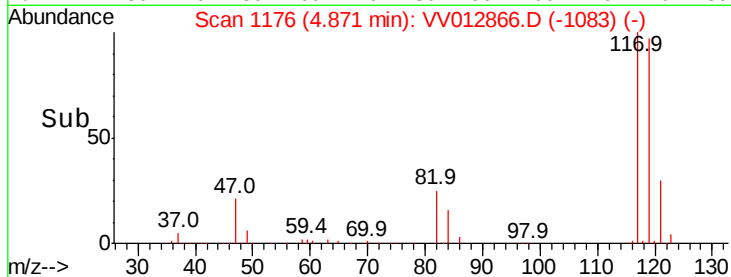
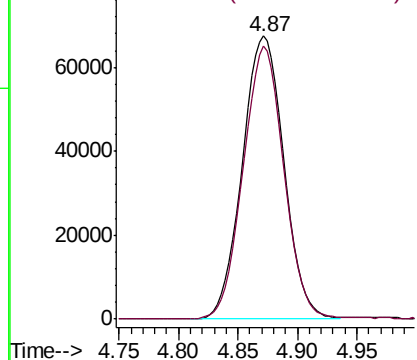
#31
Carbon tetrachloride
Concen: 4.753 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Instrument :
MSVOA_V
ClientSampleId :

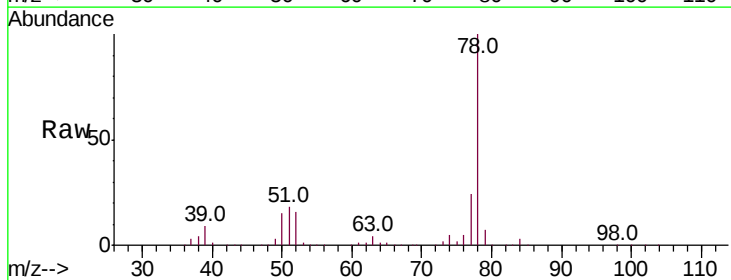
Tot Ion:117 Resp: 163276
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4



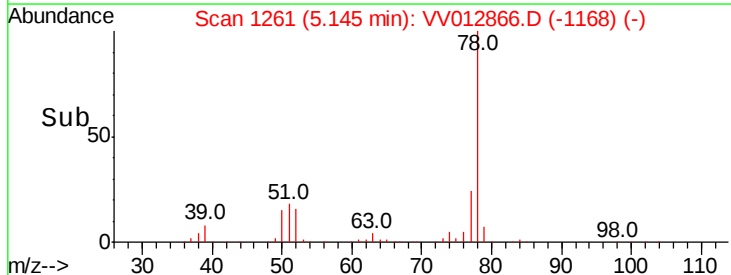
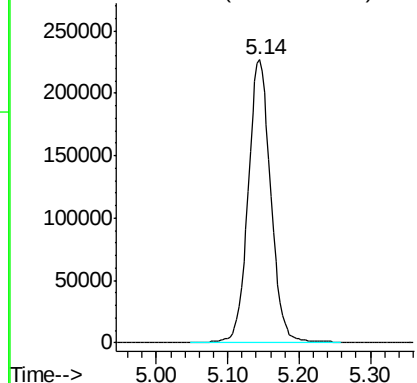
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

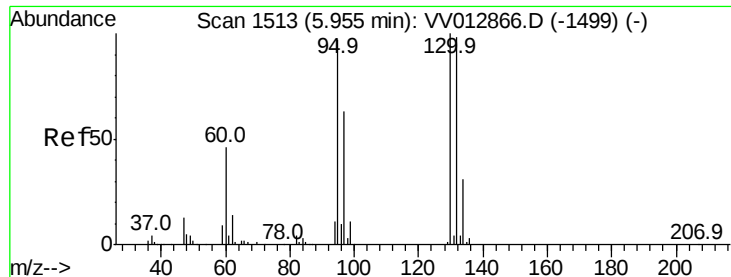


#33
Benzene
Concen: 5.014 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16
Tgt Ion: 78 Resp: 501303



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.438 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 124487

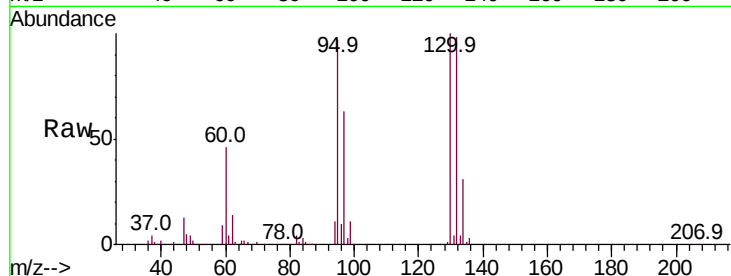
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 100.8 70.6 131.0

130 102.6 71.8 133.4

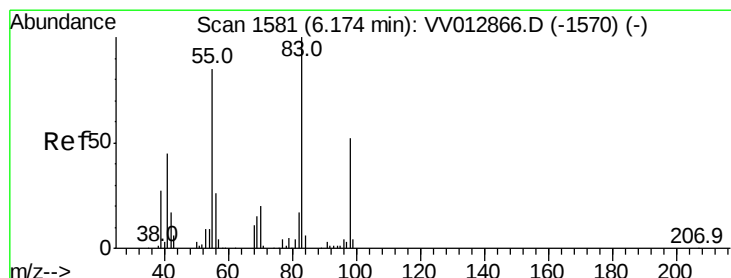
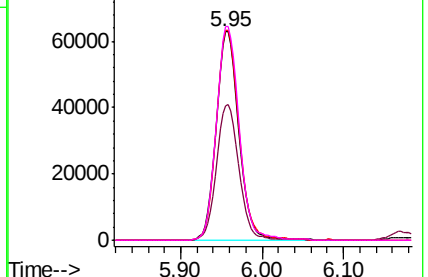
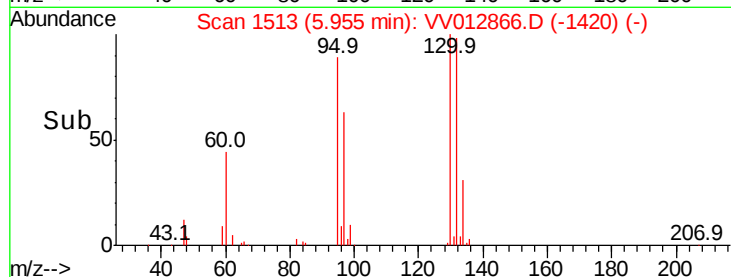


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.904 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

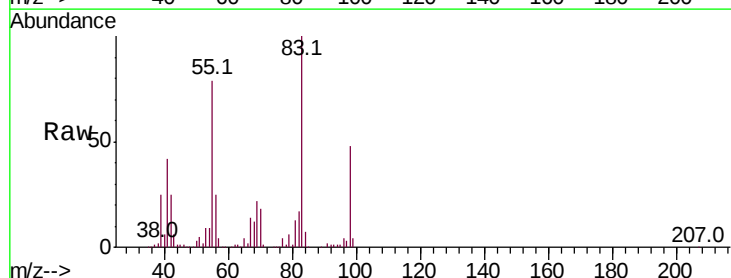
Tgt Ion: 83 Resp: 171463

Ion Ratio Lower Upper

83 100

55 79.7 63.8 95.6

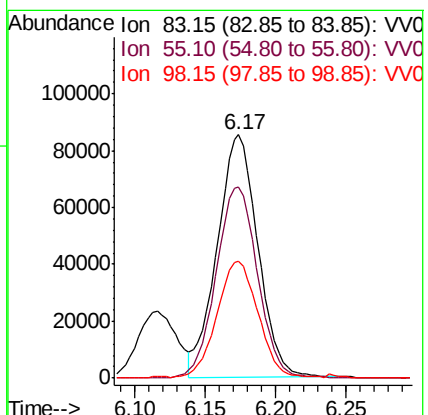
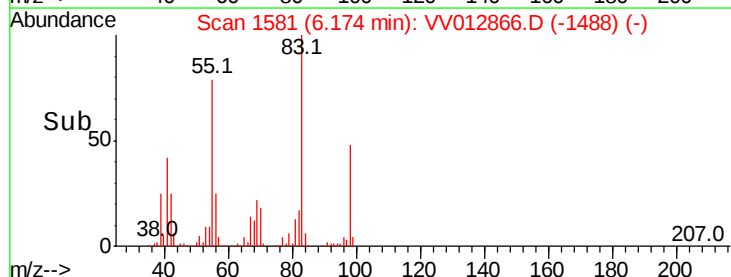
98 47.8 38.2 57.4

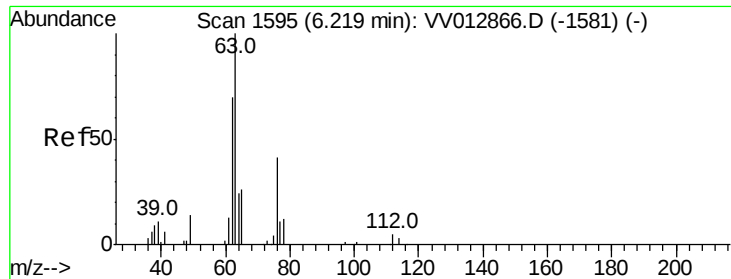


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

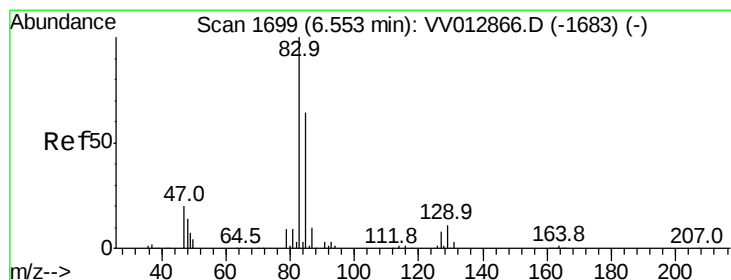
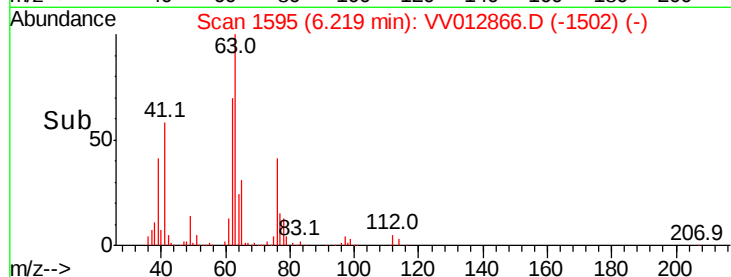
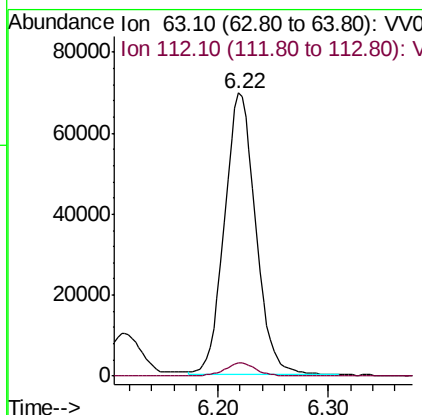
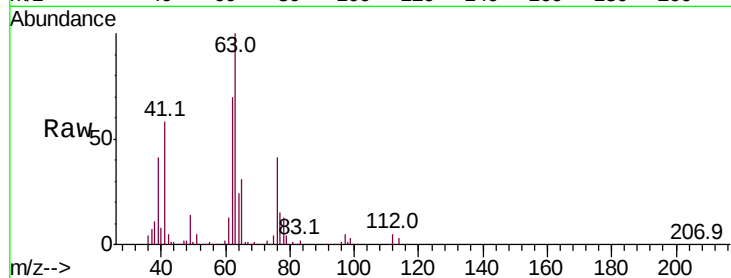




#37
 1,2-Dichloropropane
 Concen: 5.029 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

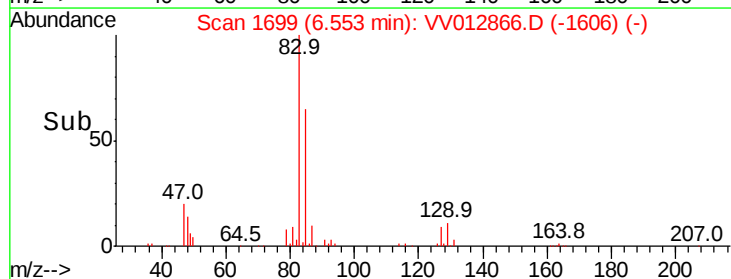
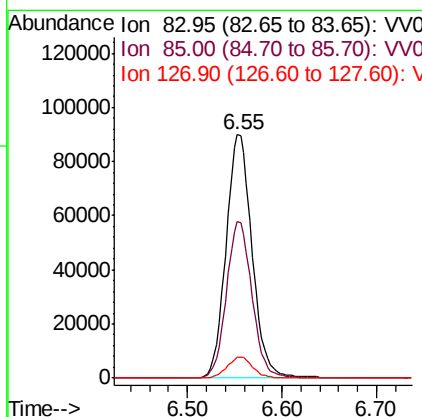
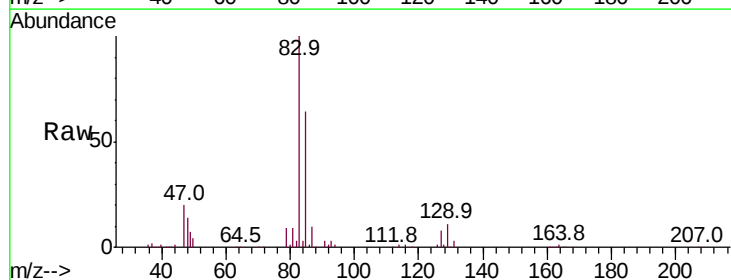
Instrument :
 MSVOA_V
 ClientSampleId :

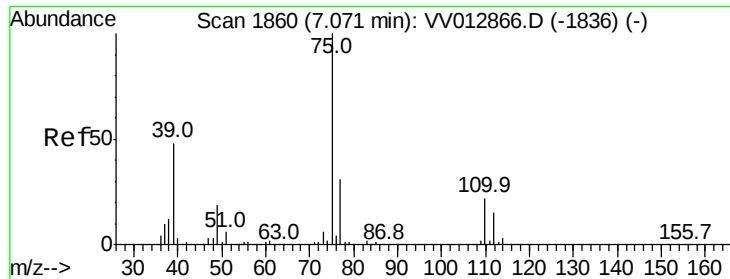
Tot Ion: 63 Resp: 136111
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.922 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion: 83 Resp: 172160
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 8.5 6.8 10.2

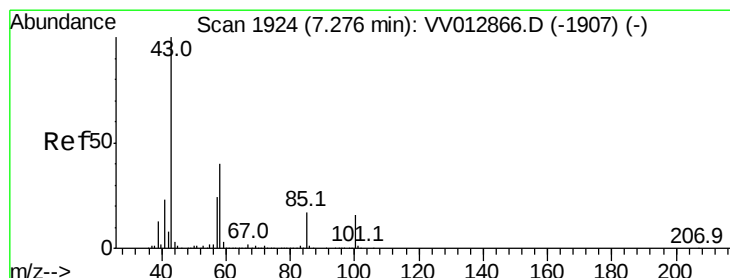
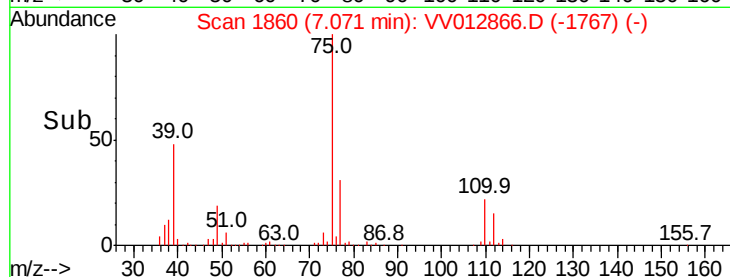
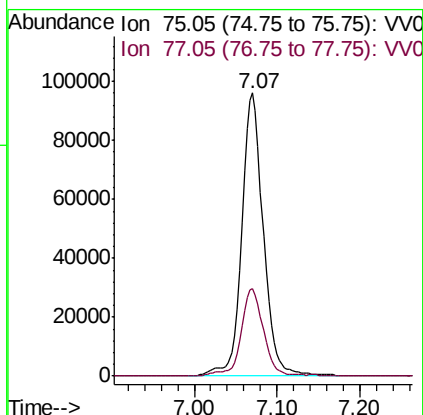
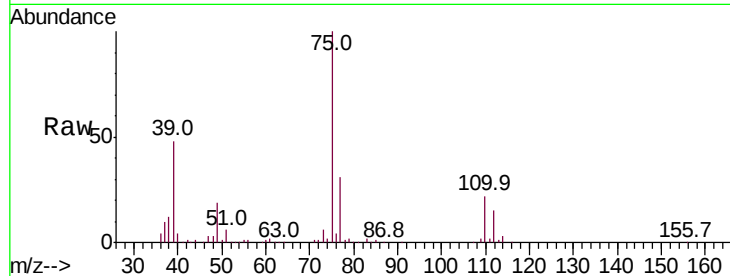




#39
 cis-1,3-Dichloropropene
 Concen: 5.185 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

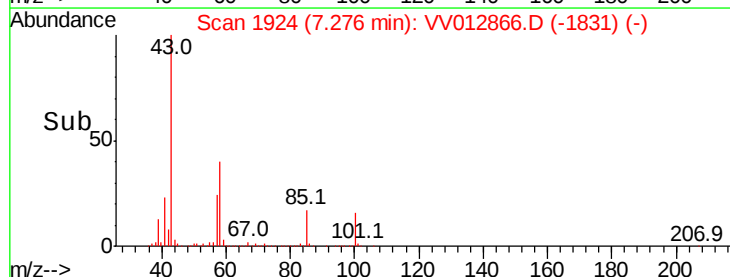
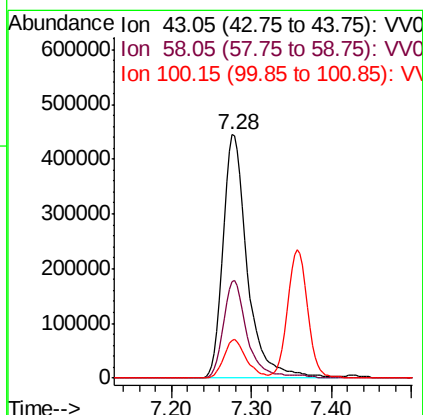
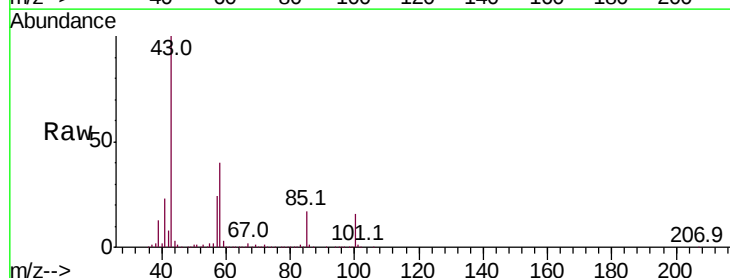
Instrument :
 MSVOA_V
 ClientSampleId :

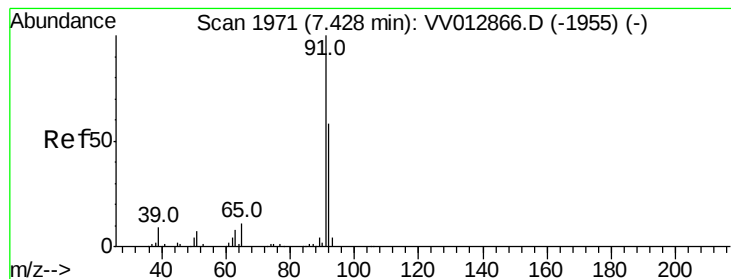
Tot Ion: 75 Resp: 175359
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 60.122 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion: 43 Resp: 934608
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 14.7 11.8 17.6





#42

Toluene

Concen: 5.268 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

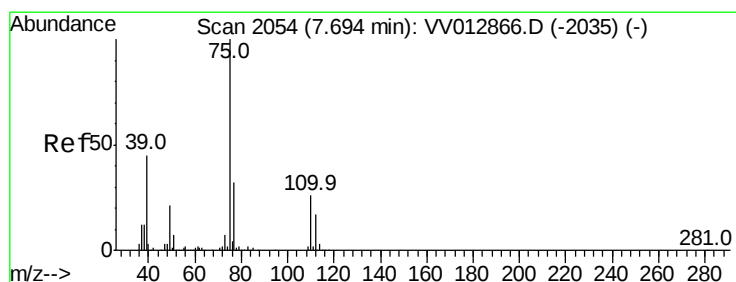
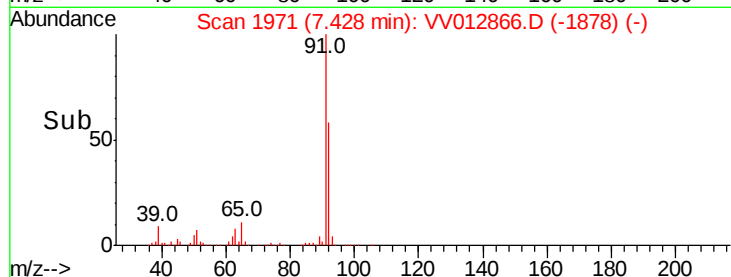
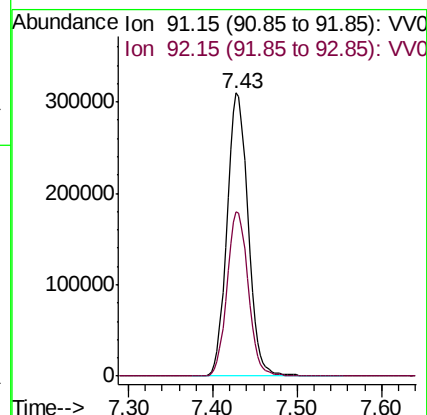
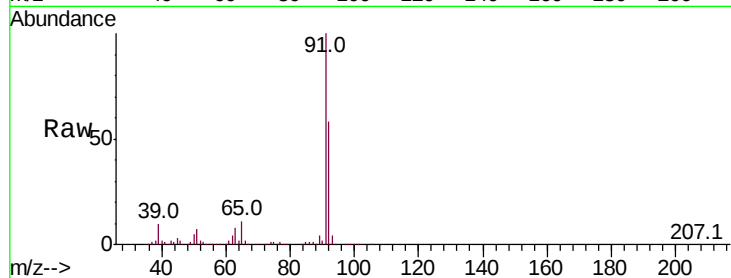
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 539439

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.243 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012866.D

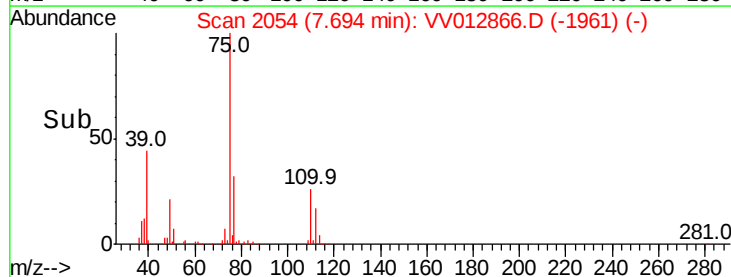
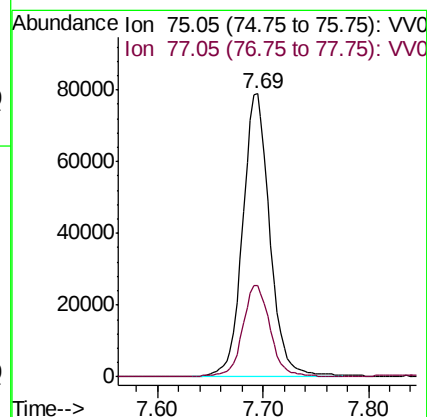
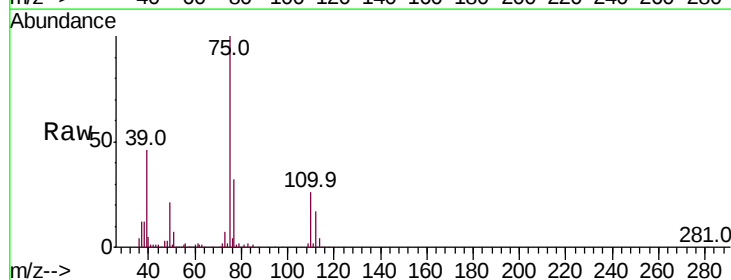
Acq: 17 Sep 2019 16:16

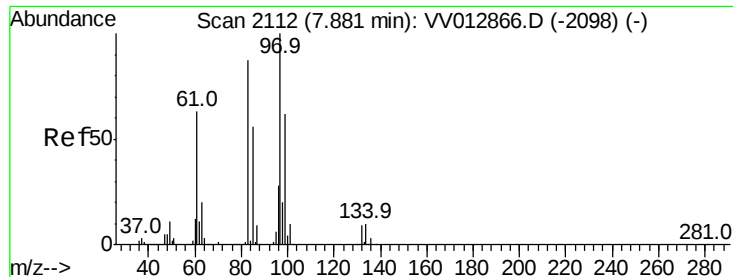
Tgt Ion: 75 Resp: 141249

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7

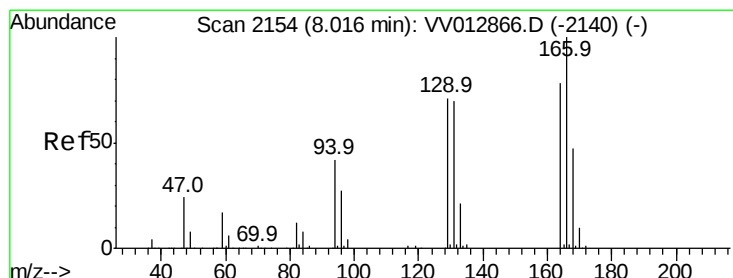
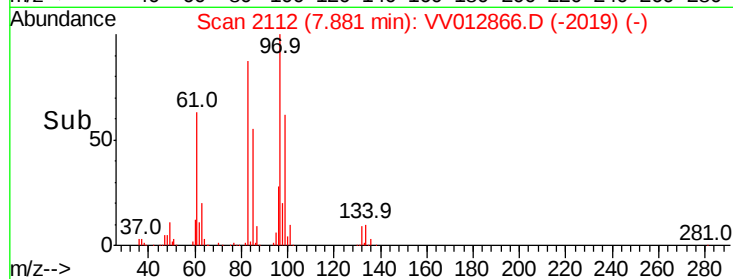
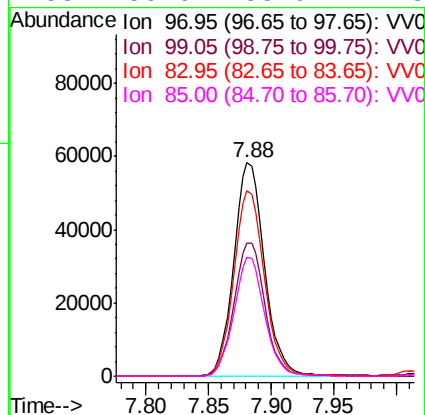
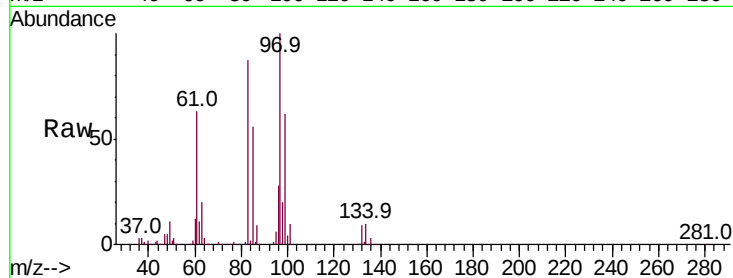




#45
1,1,2-Trichloroethane
Concen: 5.101 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

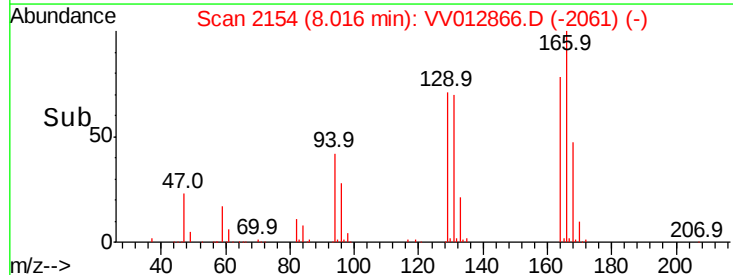
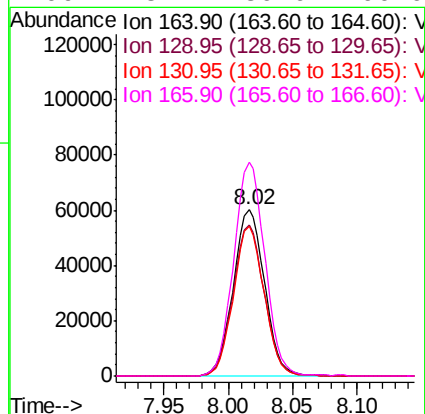
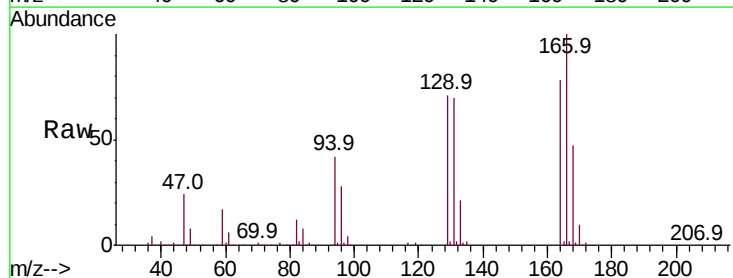
Instrument :
MSVOA_V
ClientSampleId :

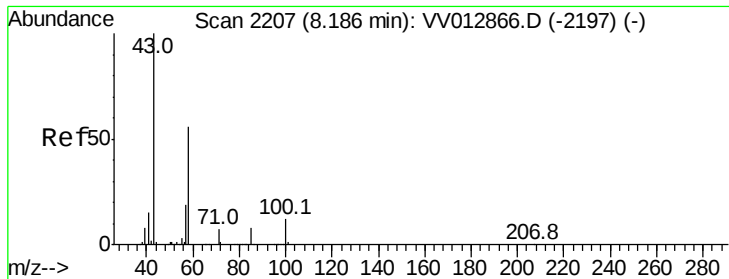
Tot Ion:	97	Resp:	98946
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	86.6	60.6	112.6
85	55.6	38.9	72.3



#47
Tetrachloroethene
Concen: 4.867 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Tgt Ion:	164	Resp:	101614
Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.8	118.6
131	90.2	63.1	117.3
166	128.4	89.9	166.9

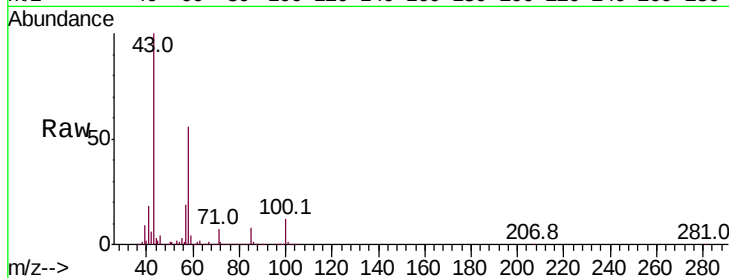




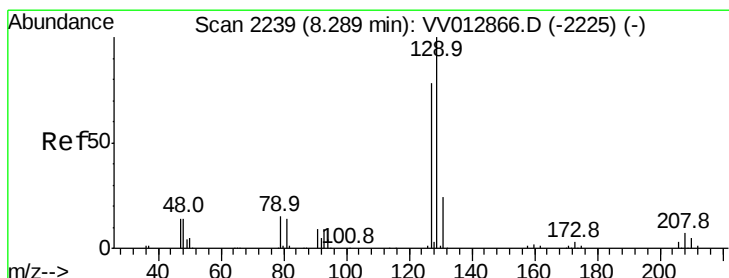
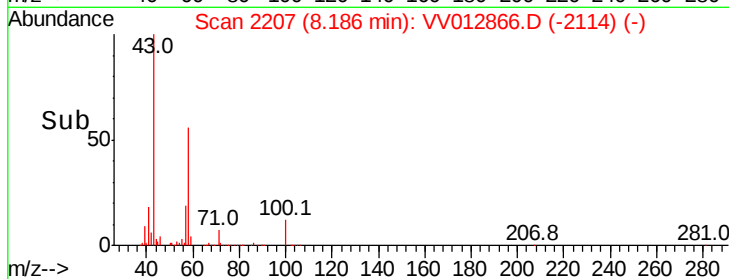
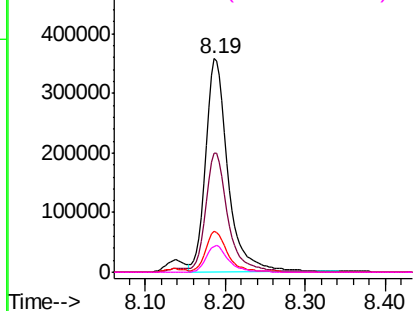
#48
2-Hexanone
Concen: 59.343 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 696988
Ion Ratio Lower Upper
43 100
58 55.6 44.5 66.7
57 18.8 15.0 22.6
100 12.1 9.7 14.5

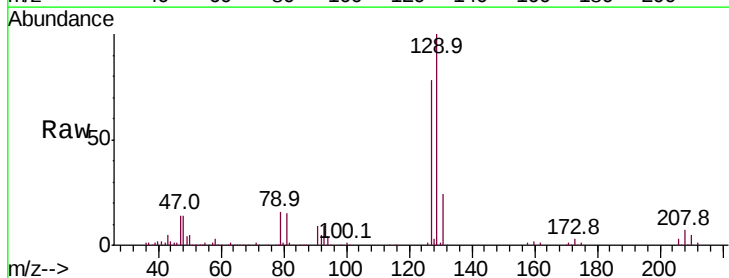


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

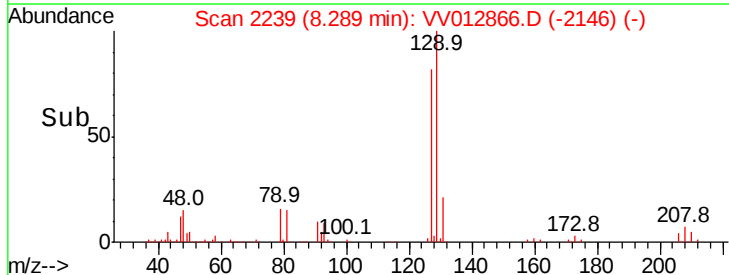
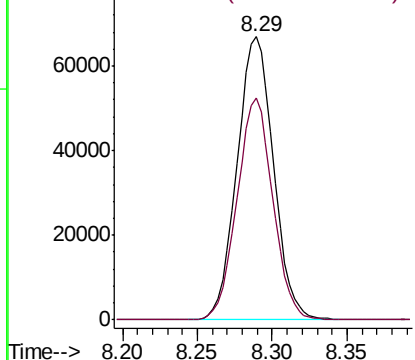


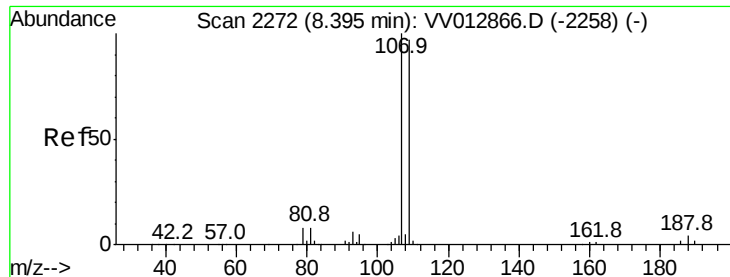
#49
Dibromochloromethane
Concen: 5.141 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Tgt Ion: 129 Resp: 113627
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



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

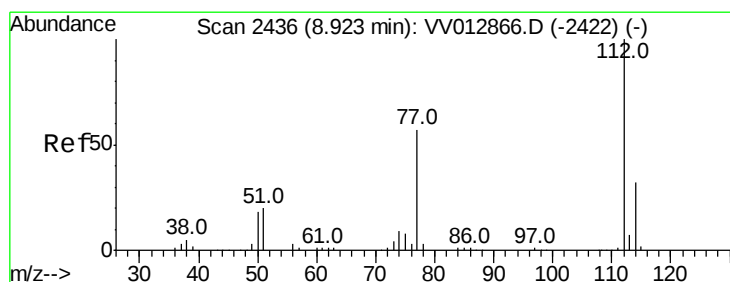
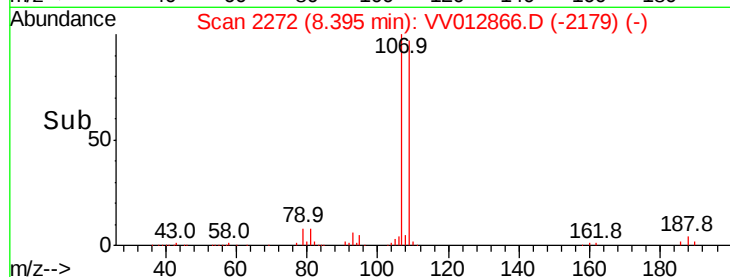
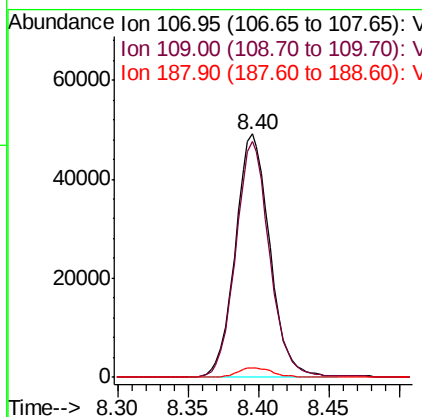
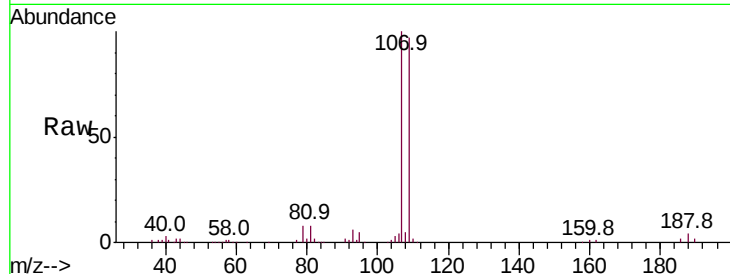




#50
 1,2-Dibromoethane
 Concen: 5.203 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

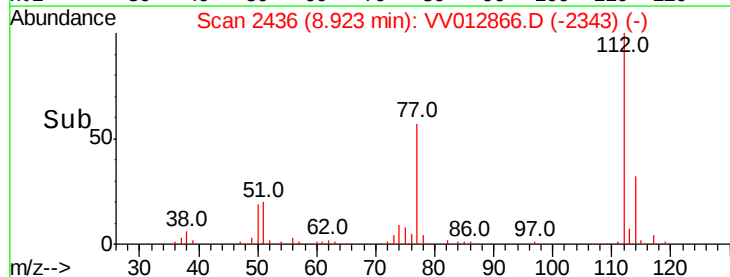
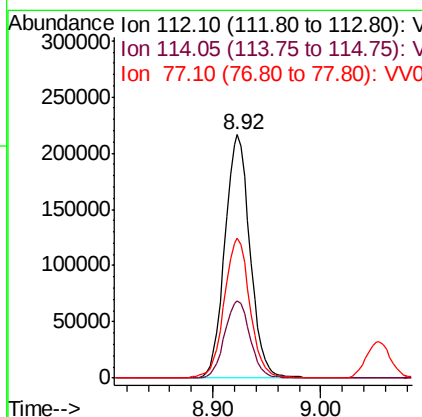
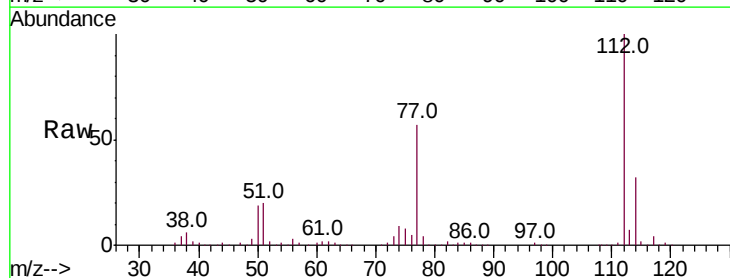
Instrument :
 MSVOA_V
 ClientSampleId :

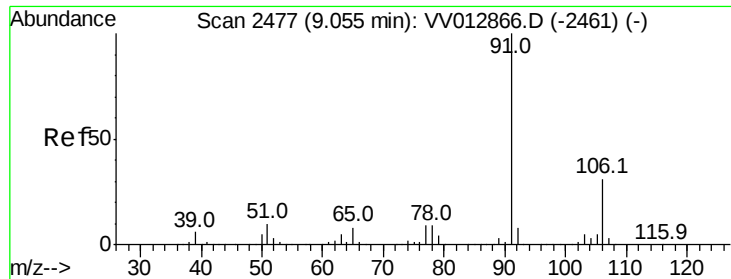
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	68.0	126.2
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 4.993 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	57.3	45.8	68.8

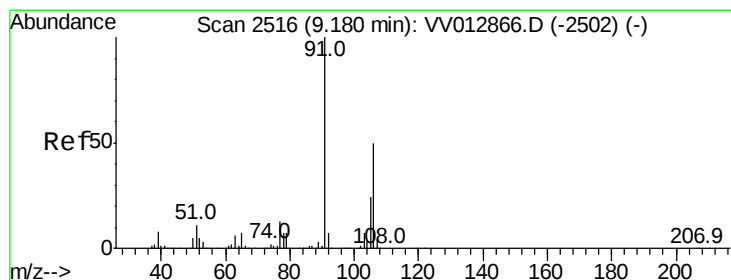
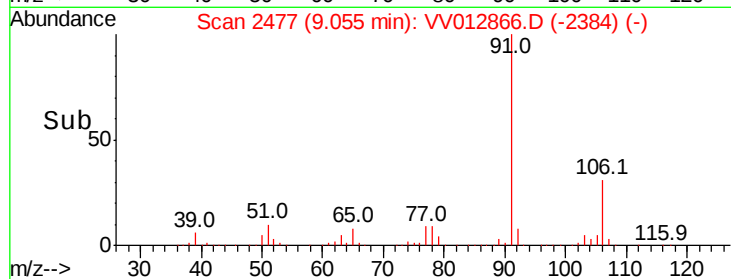
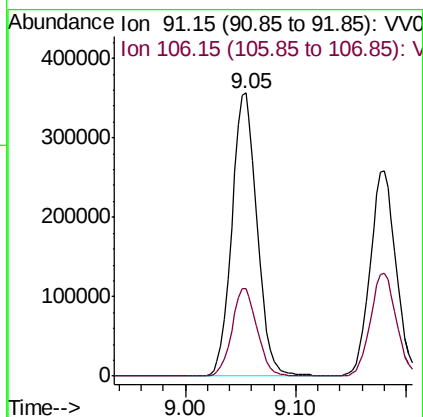
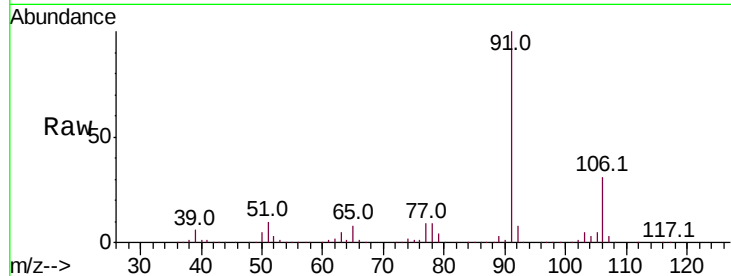




#52
Ethylbenzene
Concen: 5.160 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

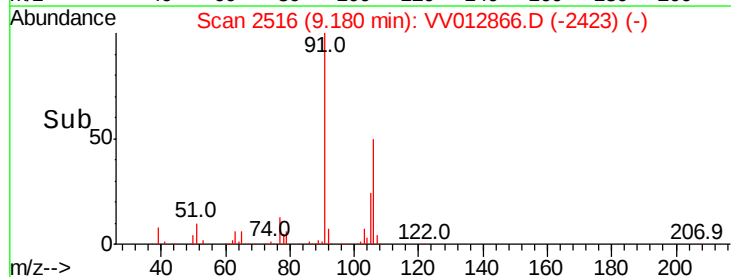
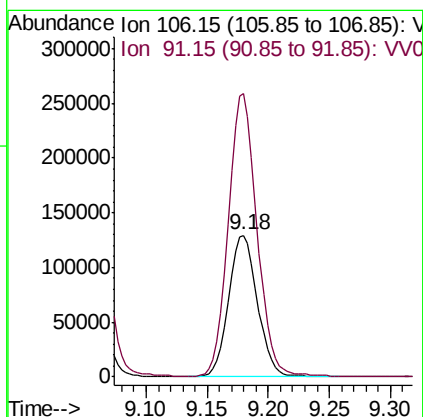
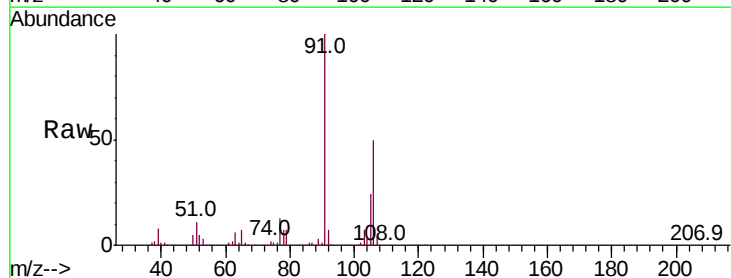
Instrument :
MSVOA_V
ClientSampleId :

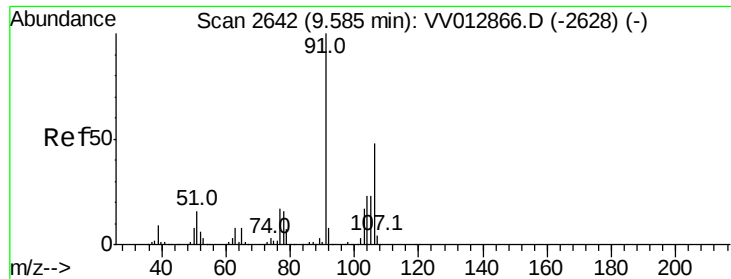
Tot Ion: 91 Resp: 563691
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-xylene
Concen: 5.233 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012866.D
Acq: 17 Sep 2019 16:16

Tgt Ion: 106 Resp: 212179
Ion Ratio Lower Upper
106 100
91 199.4 139.6 259.2





#54

o-xylene

Concen: 5.275 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

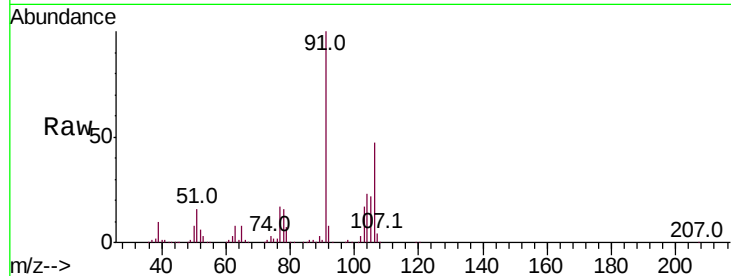
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 208170

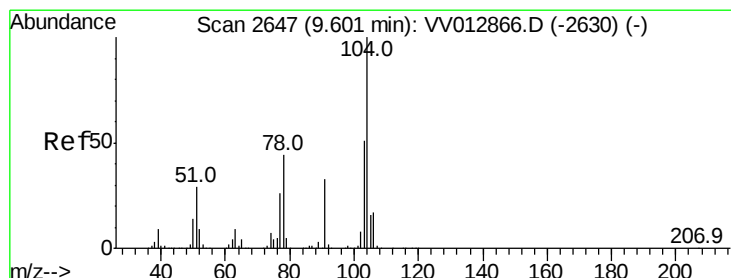
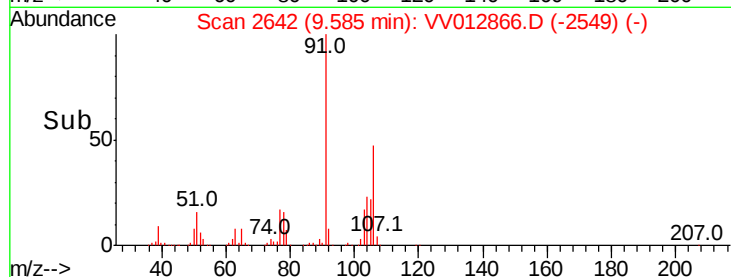
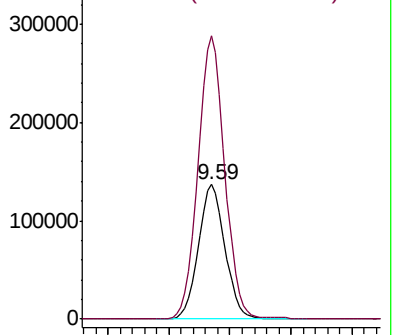
Ion Ratio Lower Upper

106 100

91 210.6 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VV012866.D (-2628) (-)



#55

Styrene

Concen: 5.554 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012866.D

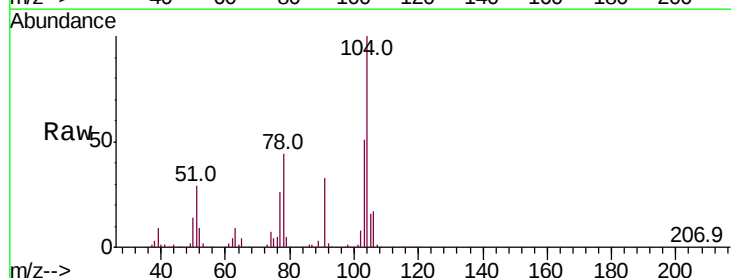
Acq: 17 Sep 2019 16:16

Tgt Ion:104 Resp: 372293

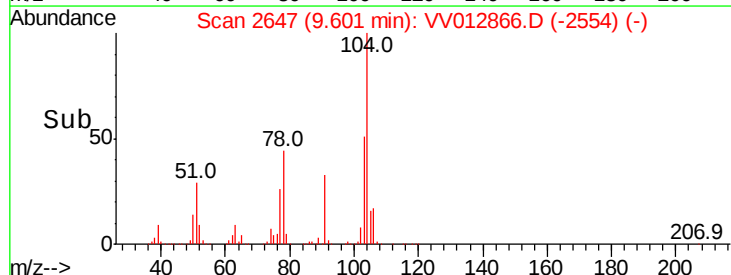
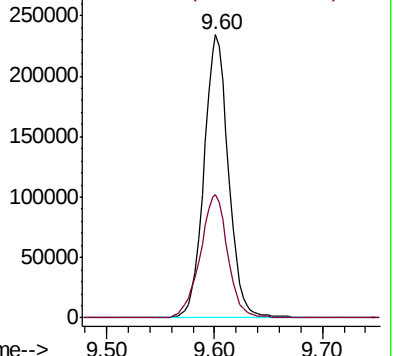
Ion Ratio Lower Upper

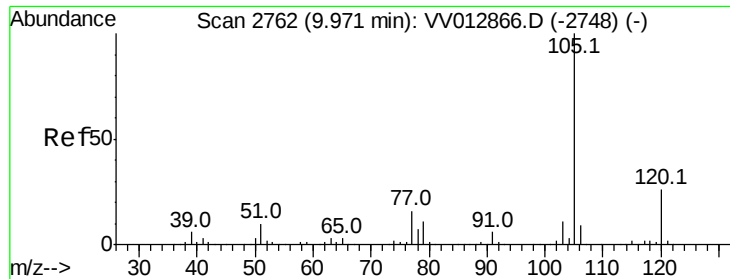
104 100

78 43.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): VV012866.D (-2630) (-)





#56

Isopropylbenzene

Concen: 5.334 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

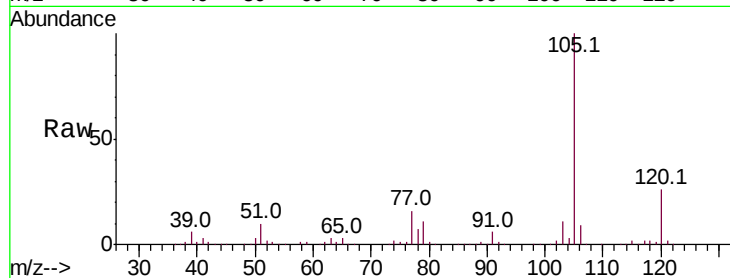
Tot Ion:105 Resp: 565156

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

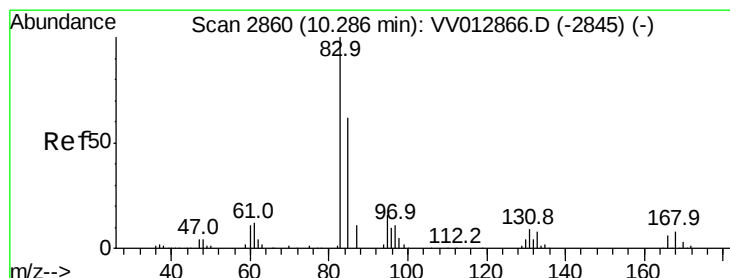
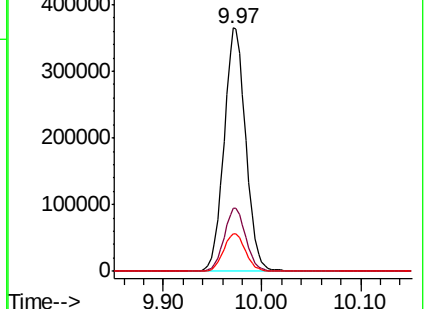
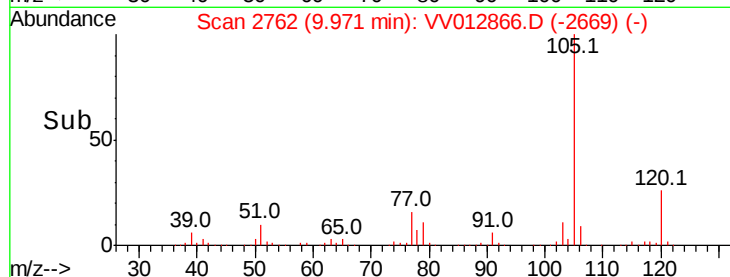
77 15.8 12.6 19.0



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: 6.577 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

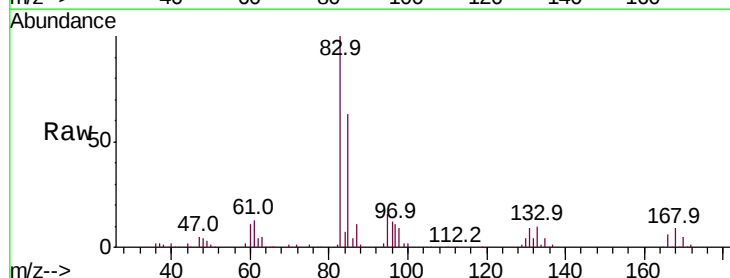
Tgt Ion: 83 Resp: 128220

Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5

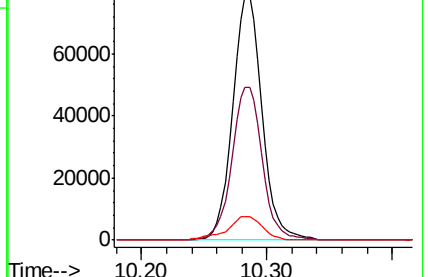
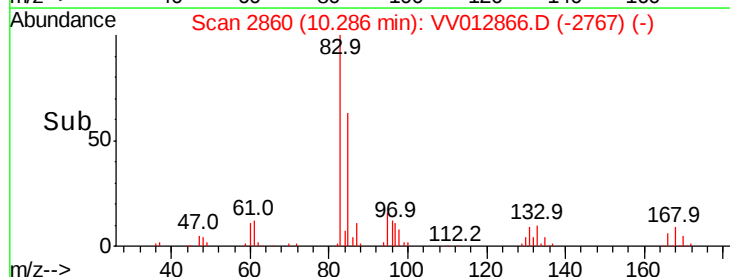
131 9.4 7.5 11.3

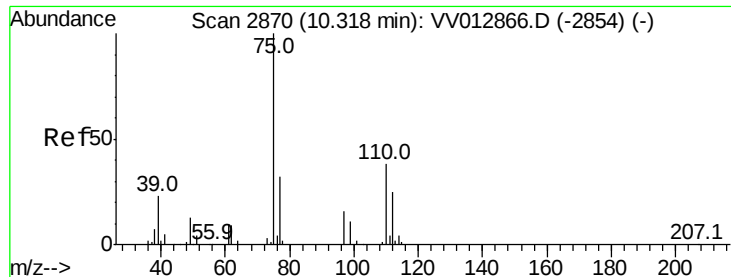


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

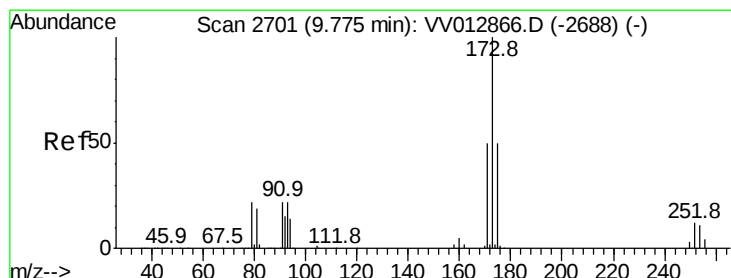
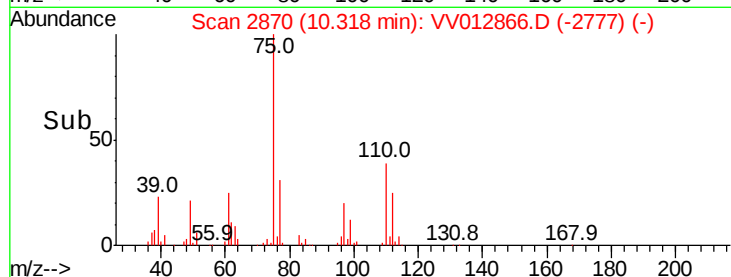
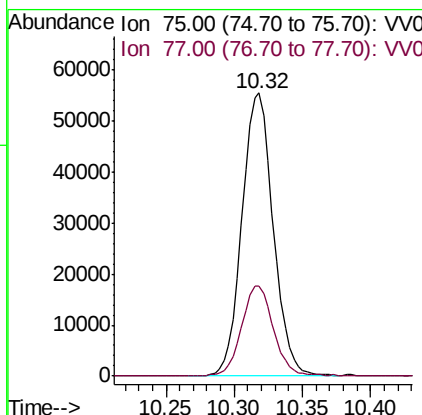
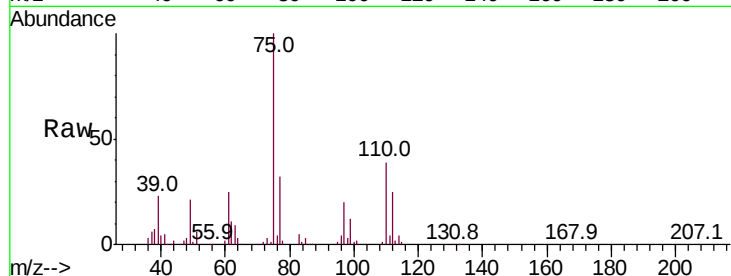




#59
 1,2,3-Trichloropropane
 Concen: 5.401 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

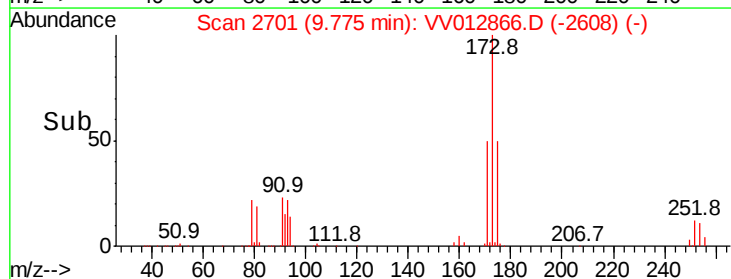
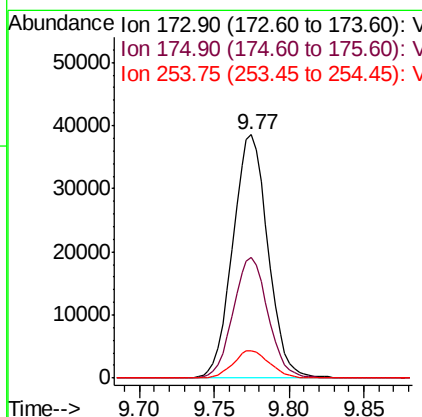
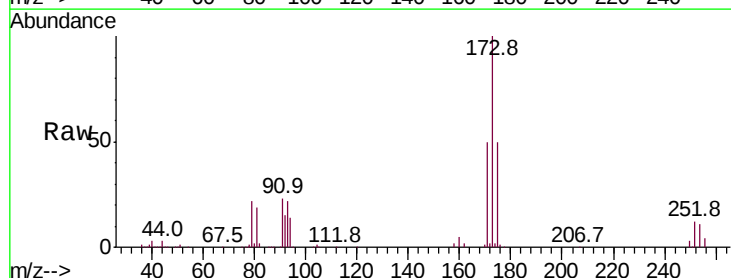
Instrument :
 MSVOA_V
 ClientSampled :

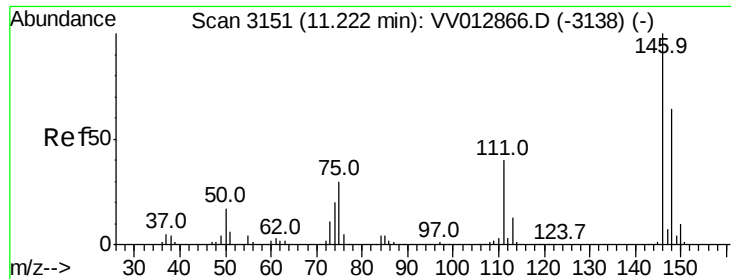
Tot Ion: 75 Resp: 88209
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1



#61
 Bromoform
 Concen: 5.065 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion: 173 Resp: 63052
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 11.7 9.4 14.0

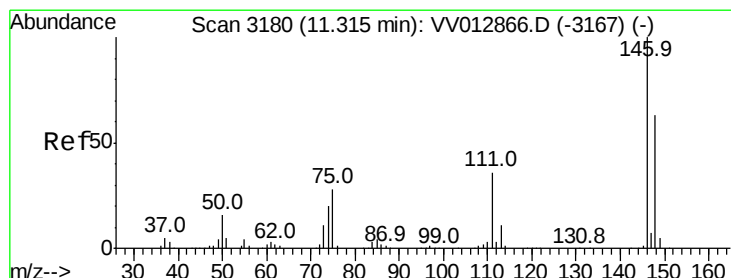
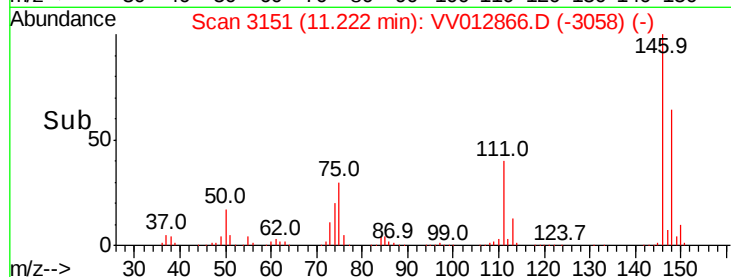
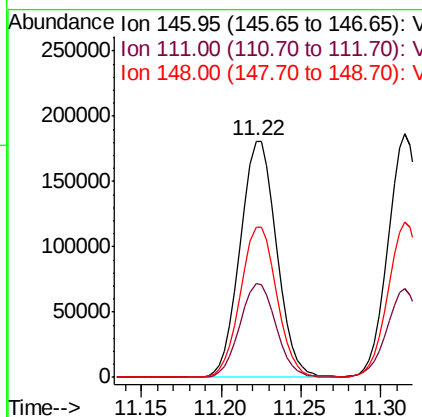
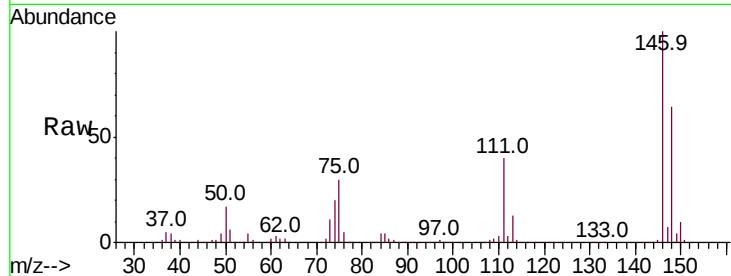




#62
 1,3-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

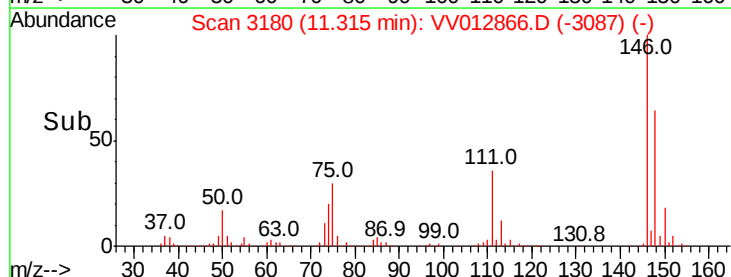
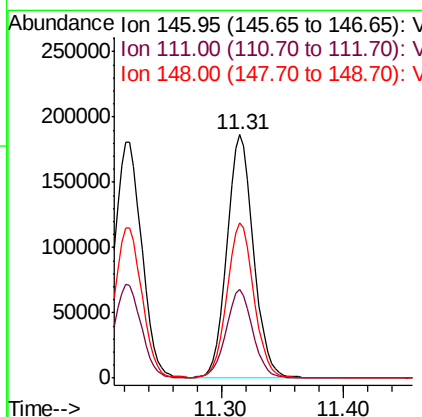
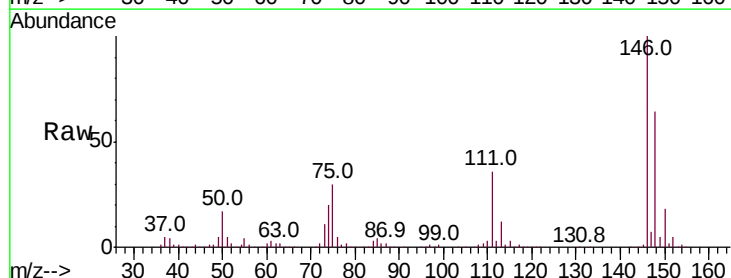
Instrument :
 MSVOA_V
 ClientSampleId :

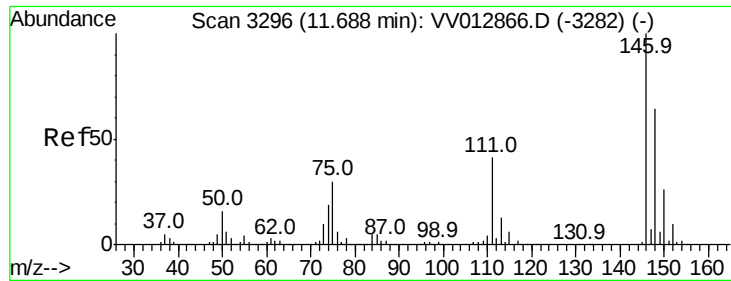
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.8	51.6
148	63.7	44.6	82.8



#63
 1,4-Dichlorobenzene
 Concen: 4.894 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	25.6	47.4
148	63.6	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 5.014 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampled :

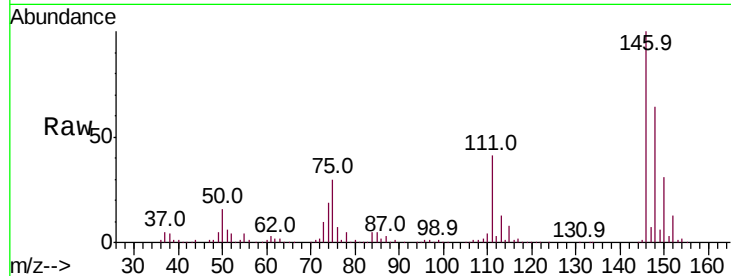
Tot Ion:146 Resp: 273183

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

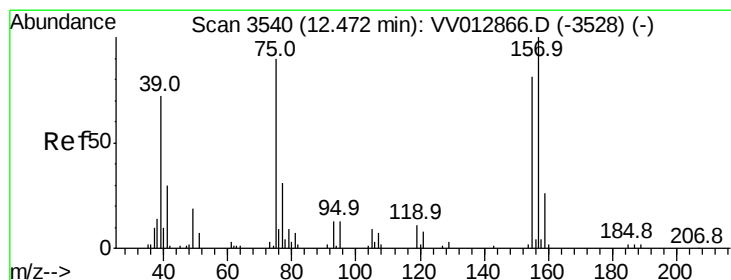
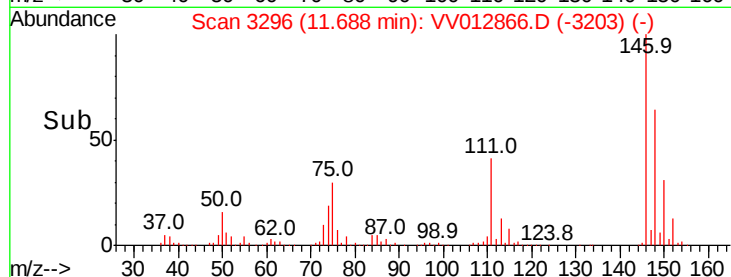
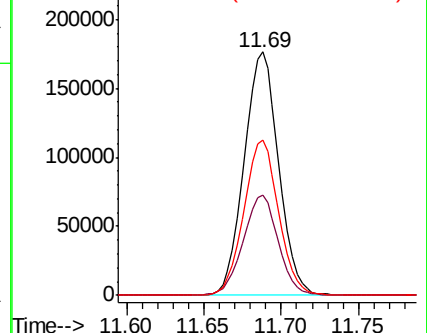
148 63.9 51.1 76.7



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: 6.250 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

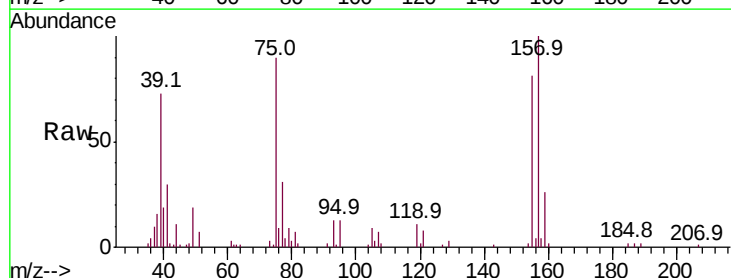
Tgt Ion: 75 Resp: 17699

Ion Ratio Lower Upper

75 100

155 90.5 72.4 108.6

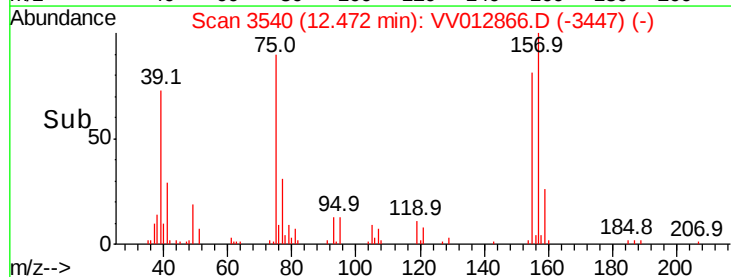
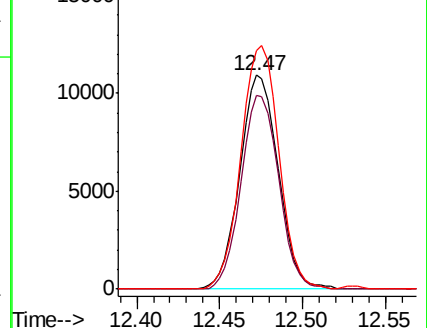
157 111.6 89.3 133.9

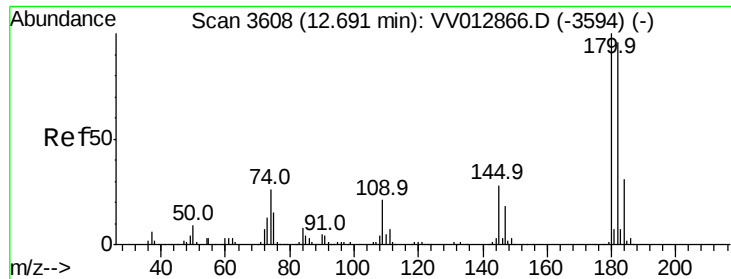


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

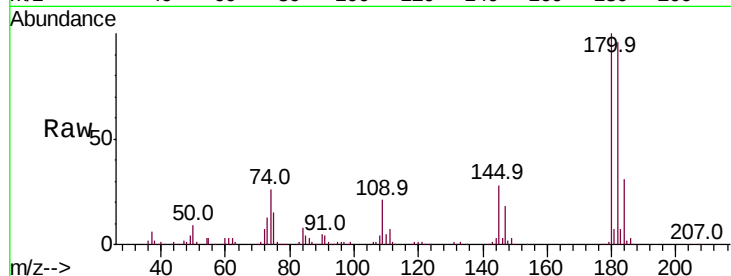




#67
 1,3,5-Trichlorobenzene
 Concen: 4.936 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.7	24.6	36.8
145	27.6	22.1	33.1



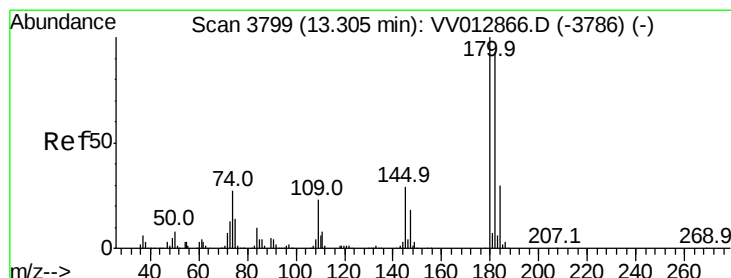
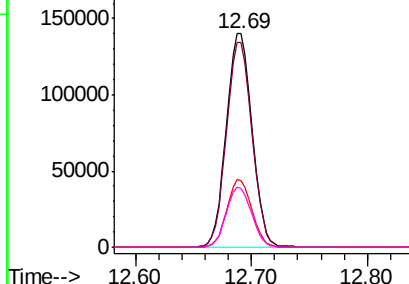
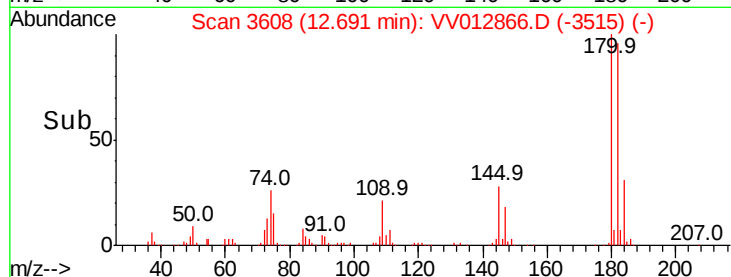
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

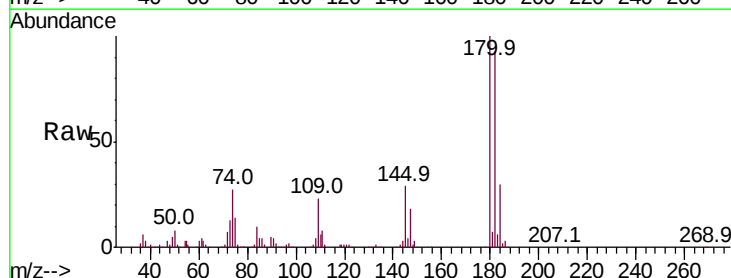
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.180 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012866.D
 Acq: 17 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	28.6	22.9	34.3

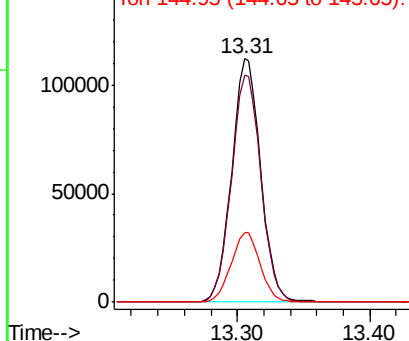
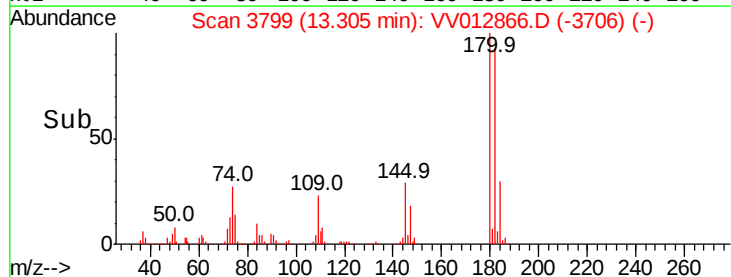


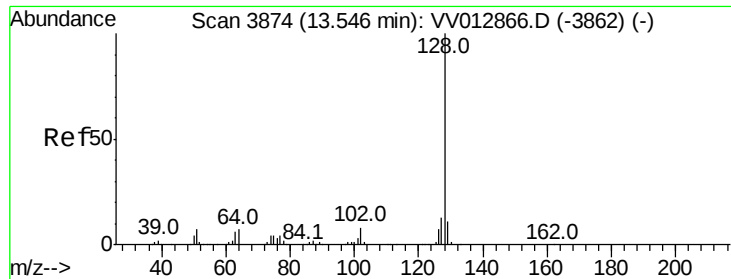
Abundance

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: 5.327 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

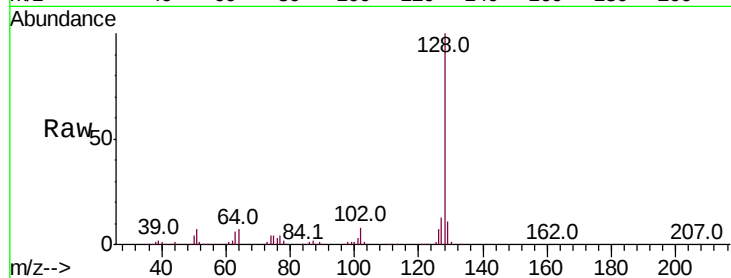
Tot Ion:128 Resp: 253830

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.1 10.5 15.7

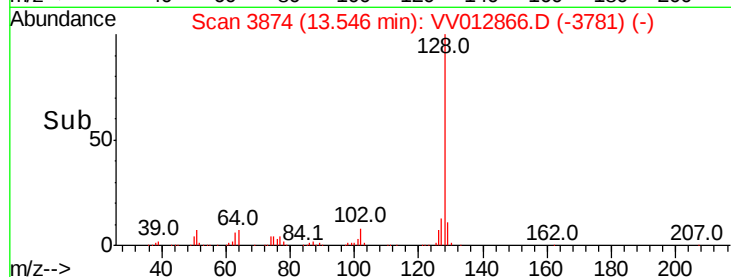


Abundance Ion 128.00 (127.70 to 128.70): V

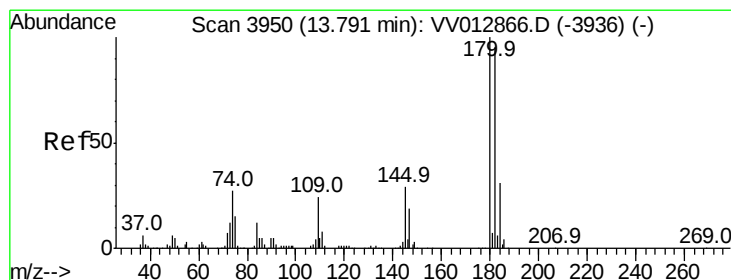
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

13.55



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 5.414 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012866.D

Acq: 17 Sep 2019 16:16

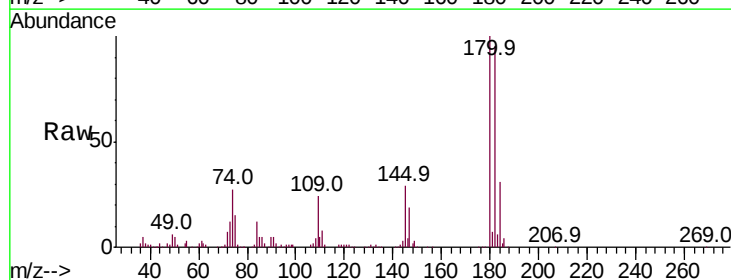
Tgt Ion:180 Resp: 173428

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 29.6 23.7 35.5

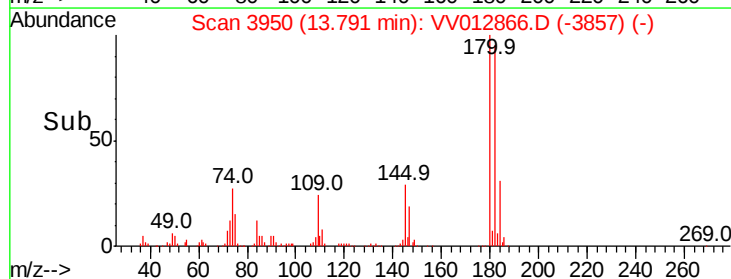


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

13.79



Time-->