

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007170.D
 Acq On : 24 Aug 2018 14:52
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:20:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	645618	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	637681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	298264	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	234139	56.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	190163	68.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	400854	52.97	ug/L	0.00
21) 2-Butanone-d5	3.95	46	342013	100.26	ug/L	0.00
24) Chloroform-d	4.41	84	450628	51.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	270773	51.70	ug/L	0.00
32) Benzene-d6	5.10	84	919835	51.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	291901	49.80	ug/L	0.00
41) Toluene-d8	7.36	98	844786	53.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	130991	51.92	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	196763	96.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	397630	47.64	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	301920	50.45	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	263844	45.864	ug/L	100
3) Chloromethane	1.25	50	327803	44.885	ug/L	100
5) Vinyl chloride	1.32	62	276805	46.019	ug/L	100
6) Bromomethane	1.53	94	93202	59.601	ug/L	100
8) Chloroethane	1.60	64	164326	49.480	ug/L	100
9) Trichlorofluoromethane	1.77	101	354087	48.482	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	211267	47.455	ug/L	100
12) 1,1-Dichloroethene	2.14	96	200766	47.315	ug/L	100
13) Acetone	2.19	43	257030	97.771	ug/L	100
14) Carbon disulfide	2.32	76	600951	46.435	ug/L	100
15) Methyl Acetate	2.46	43	226695	46.990	ug/L	100
16) Methylene chloride	2.54	84	230173	47.213	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	214794	46.786	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	647912	46.171	ug/L	100
19) 1,1-Dichloroethane	3.23	63	447755	47.325	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	252977	47.250	ug/L	100
22) 2-Butanone	4.03	43	398140	95.823	ug/L	100
23) Bromochloromethane	4.31	128	131711	48.010	ug/L	100
25) Chloroform	4.43	83	442961	47.765	ug/L	100
27) 1,2-Dichloroethane	5.19	62	326308	46.575	ug/L	100
29) Cyclohexane	4.73	56	357934	45.245	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	362610	45.349	ug/L	100
31) Carbon tetrachloride	4.88	117	314168	46.605	ug/L	100
33) Benzene	5.15	78	1001122	46.533	ug/L	100
34) Trichloroethene	5.96	95	232203	45.178	ug/L	100
35) Methylcyclohexane	6.18	83	385074	46.917	ug/L	100
37) 1,2-Dichloropropane	6.23	63	268959	46.843	ug/L	100
38) Bromodichloromethane	6.56	83	316319	46.032	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	358680	46.154	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	647443	93.167	ug/L	100

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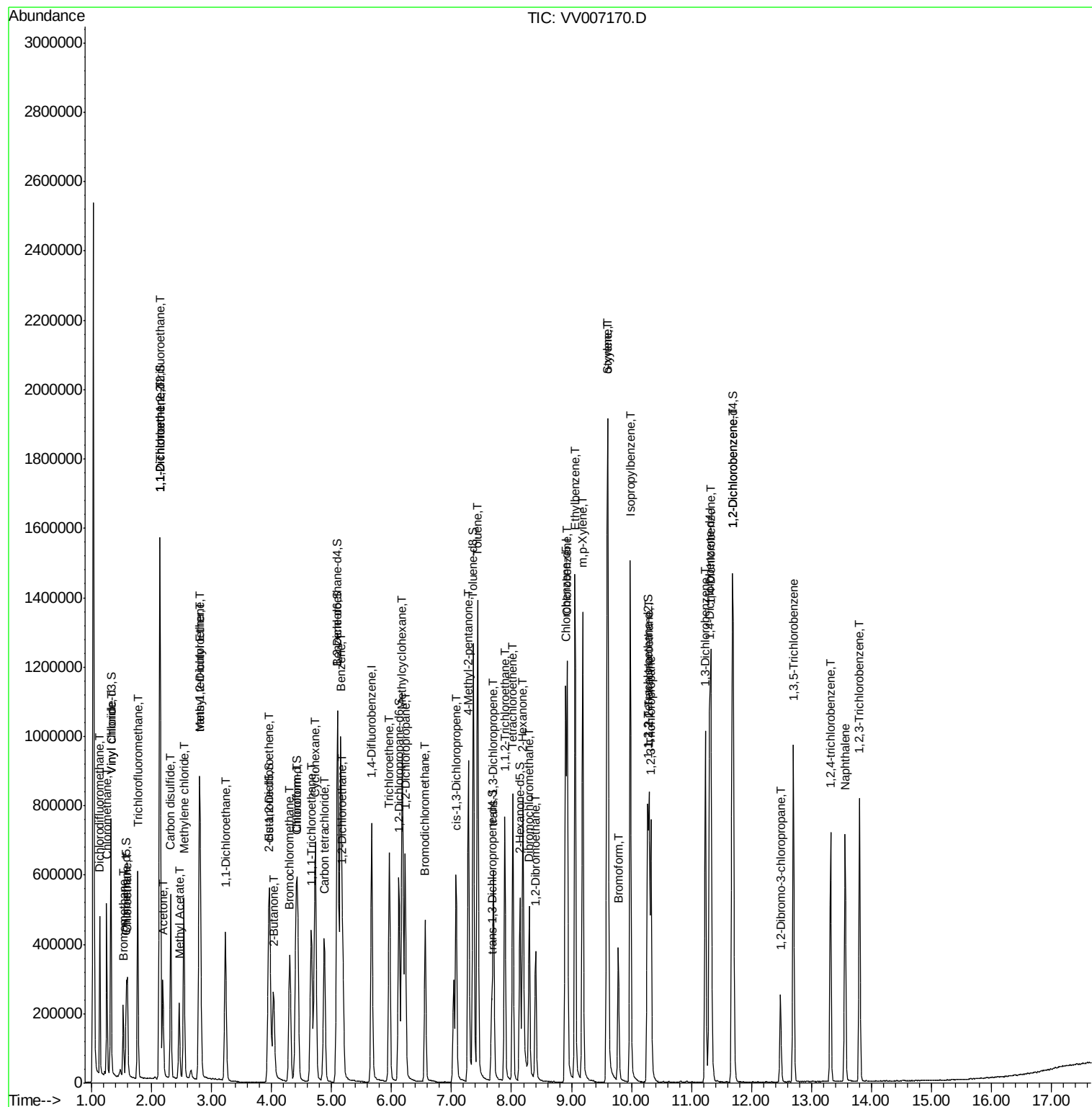
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1014257	48.761	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	342314	47.416	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	247186	46.164	ug/L	100
46) Tetrachloroethene	8.02	164	196388	46.943	ug/L	100
48) 2-Hexanone	8.19	43	492736	89.393	ug/L	100
49) Dibromochloromethane	8.30	129	255060	47.354	ug/L	100
50) 1,2-Dibromoethane	8.40	107	245602	46.433	ug/L	100
51) Chlorobenzene	8.93	112	647497	46.914	ug/L	100
52) Ethylbenzene	9.06	91	1024838	48.459	ug/L	100
53) m,p-Xylene	9.19	106	399848	49.418	ug/L	100
54) o-xylene	9.59	106	382871	48.910	ug/L	100
55) Styrene	9.61	104	688421	51.001	ug/L	100
56) Isopropylbenzene	9.98	105	986776	49.862	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	399921	43.725	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	325750	44.318	ug/L	100
61) Bromoform	9.78	173	184637	46.034	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	446796	46.530	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	478438	46.994	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	492598	46.966	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	65629	44.402	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	329873	49.706	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	236923	52.234	ug/L	100
69) Naphthalene	13.56	128	590583	48.133	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	263419	53.501	ug/L	100

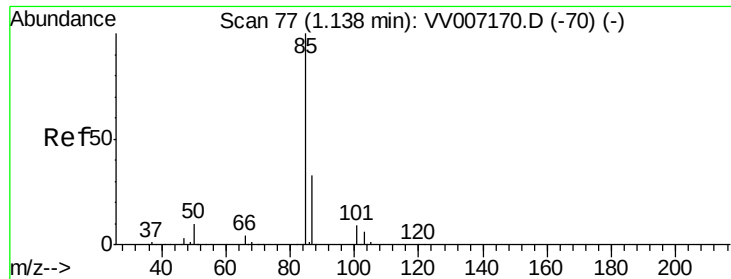
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.864 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

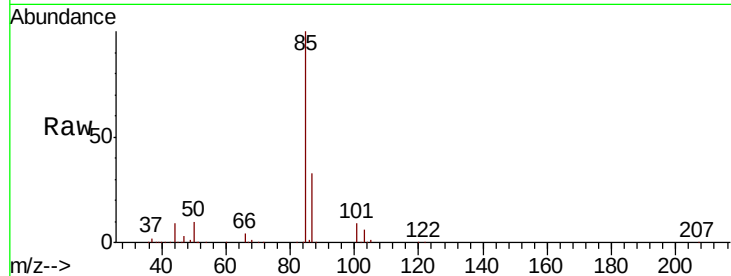
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 263844

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007170.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007170.D (-70) (-)

1.14

250000

200000

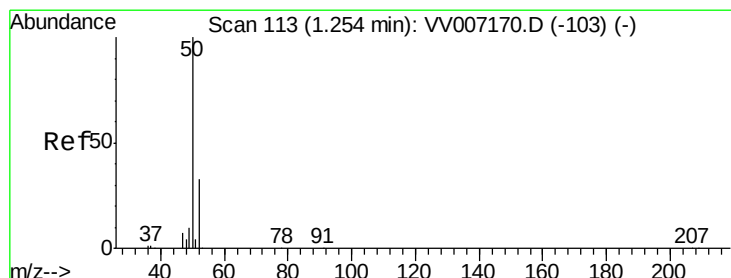
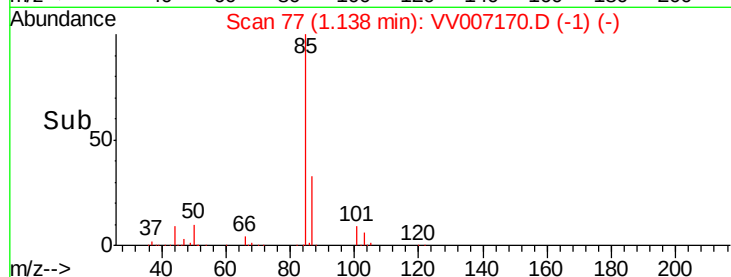
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.885 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007170.D

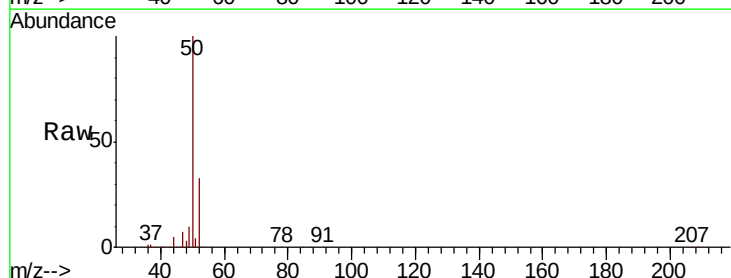
Acq: 24 Aug 2018 14:52

Tgt Ion: 50 Resp: 327803

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007170.D (-103) (-)

Ion 52.00 (51.70 to 52.70): VV007170.D (-103) (-)

1.25

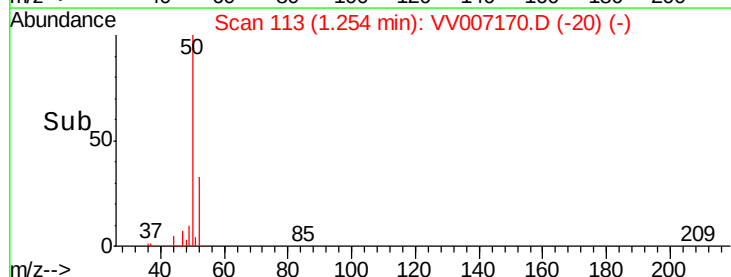
300000

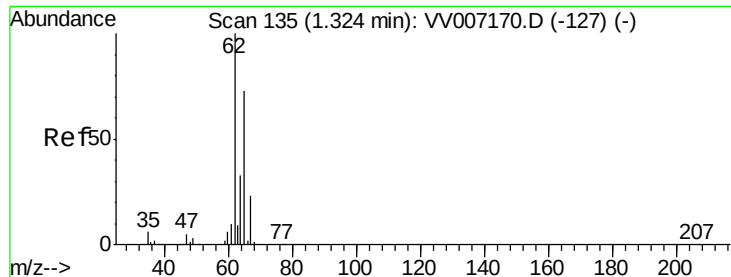
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 46.019 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

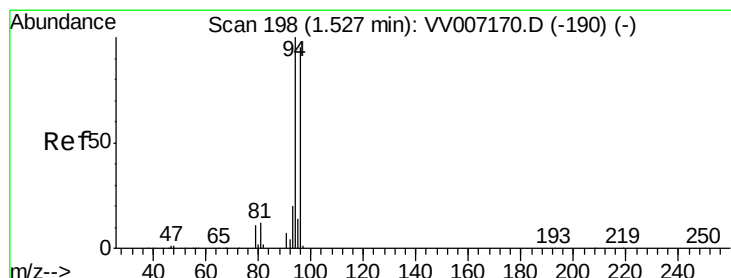
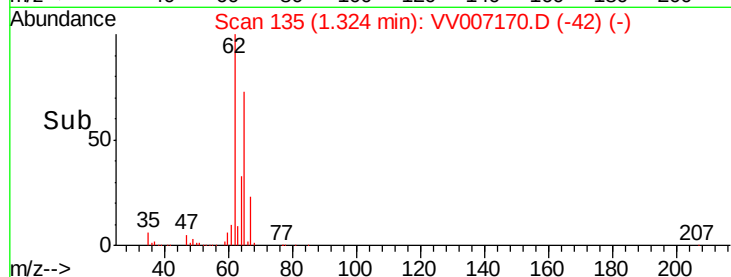
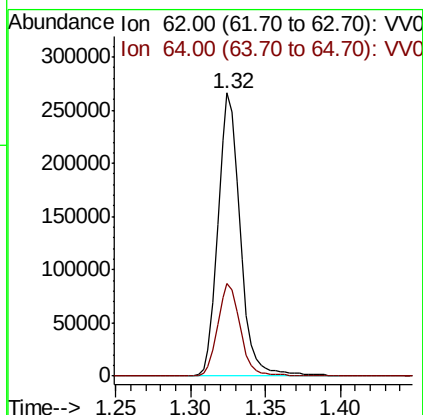
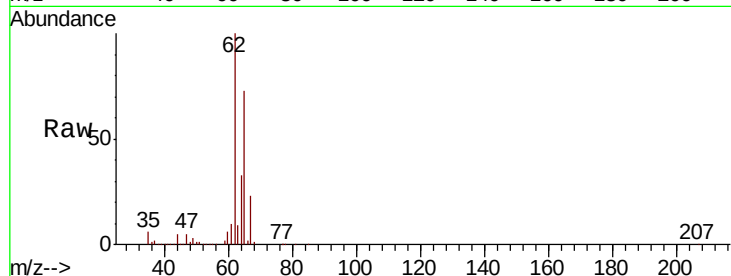
ClientSampleId :

Tot Ion: 62 Resp: 276805

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 59.601 ug/L

RT: 1.53 min Scan# 198

Delta R.T. 0.00 min

Lab File: VV007170.D

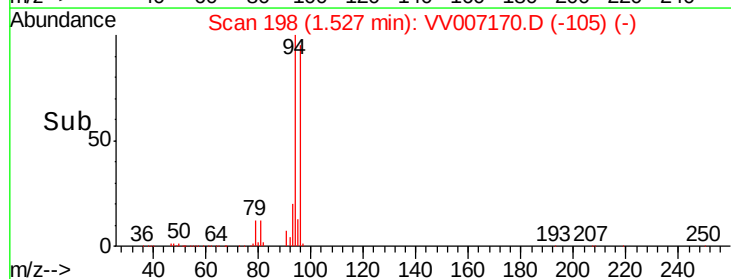
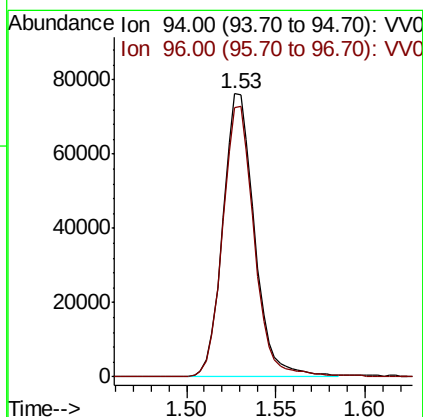
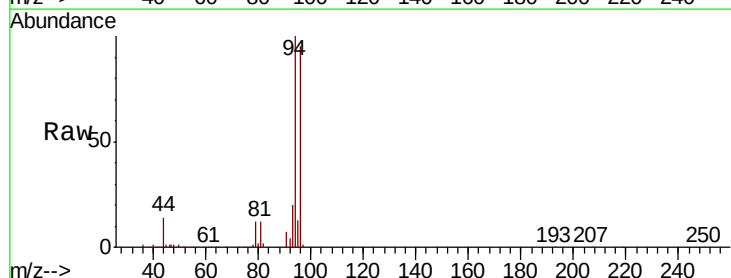
Acq: 24 Aug 2018 14:52

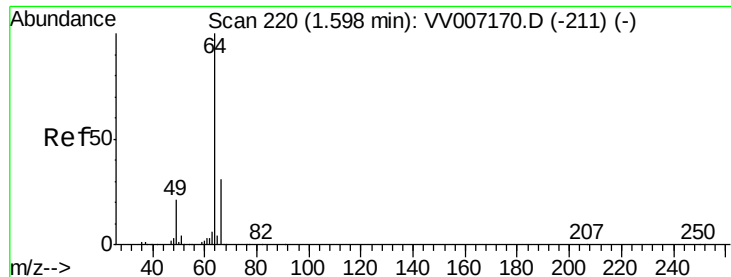
Tgt Ion: 94 Resp: 93202

Ion Ratio Lower Upper

94 100

96 95.3 66.7 123.9





#8

Chloroethane

Concen: 49.480 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

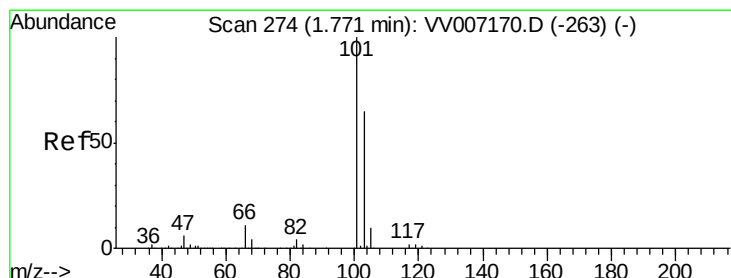
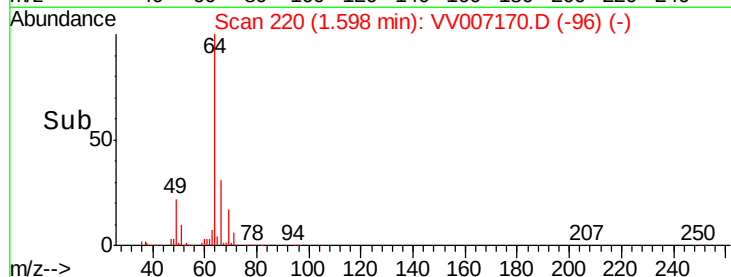
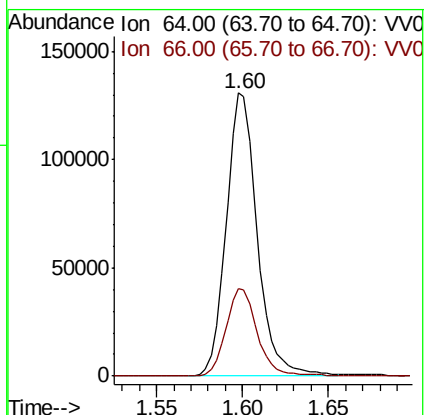
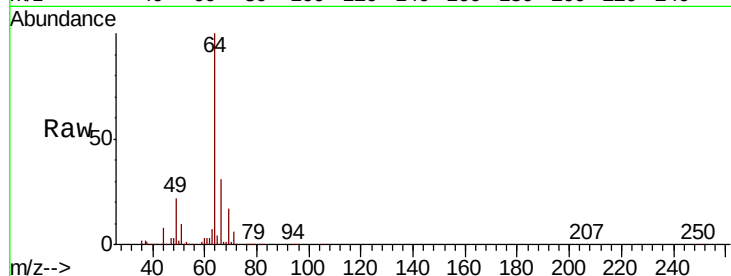
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 164326

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.4



#9

Trichlorofluoromethane

Concen: 48.482 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007170.D

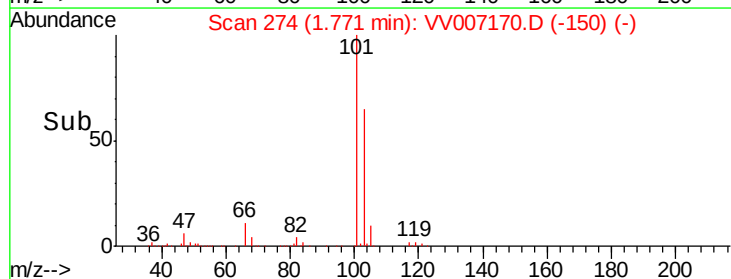
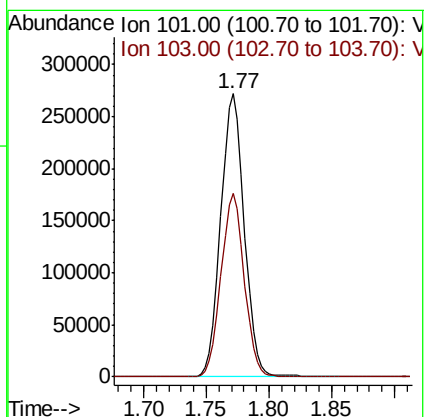
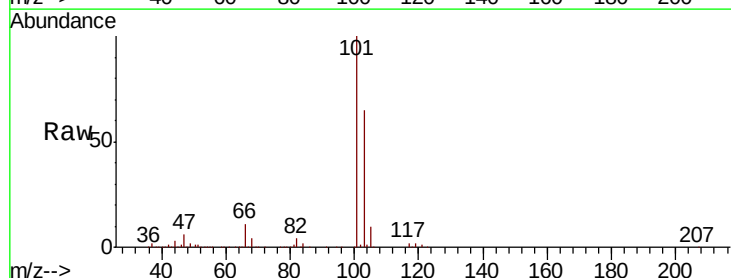
Acq: 24 Aug 2018 14:52

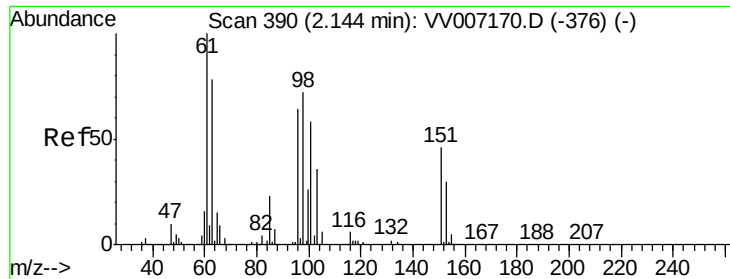
Tgt Ion: 101 Resp: 354087

Ion Ratio Lower Upper

101 100

103 64.0 51.2 76.8





#10

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

Concen: 47.455 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

ClientSampleId :

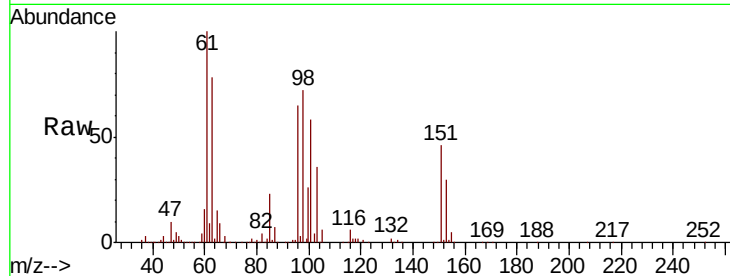
Tot Ion:101 Resp: 211267

Ion Ratio Lower Upper

101 100

85 39.8 31.8 47.8

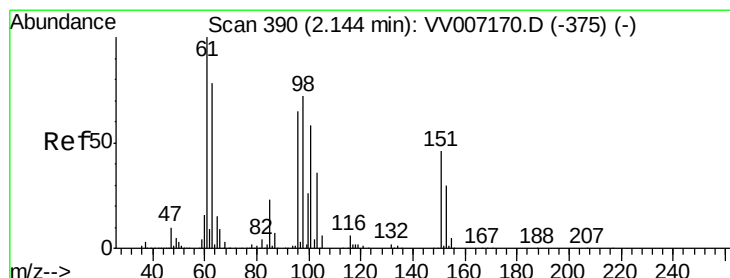
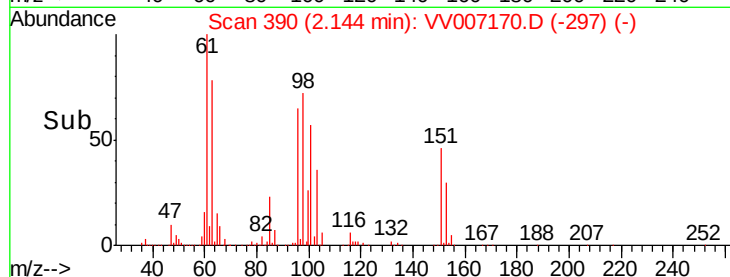
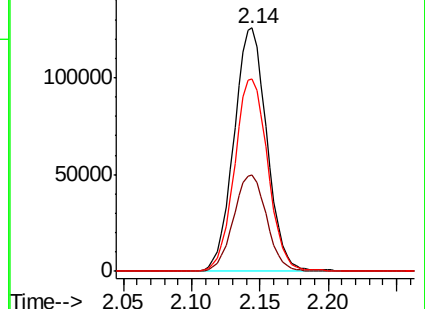
151 80.0 64.0 96.0



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: 47.315 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

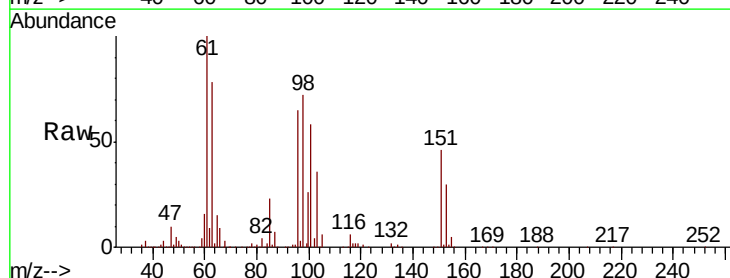
Tgt Ion: 96 Resp: 200766

Ion Ratio Lower Upper

96 100

61 155.0 108.5 201.5

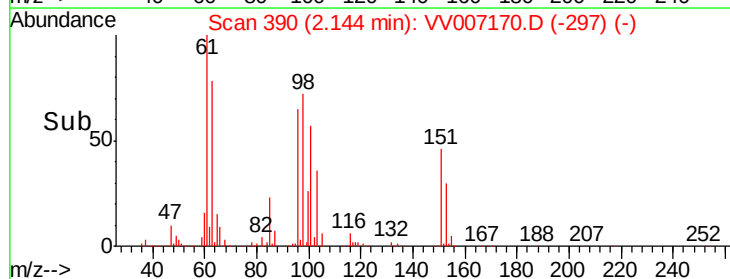
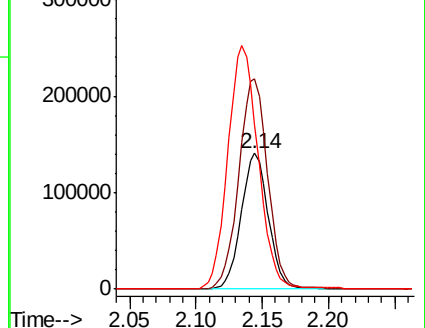
63 121.3 84.9 157.7

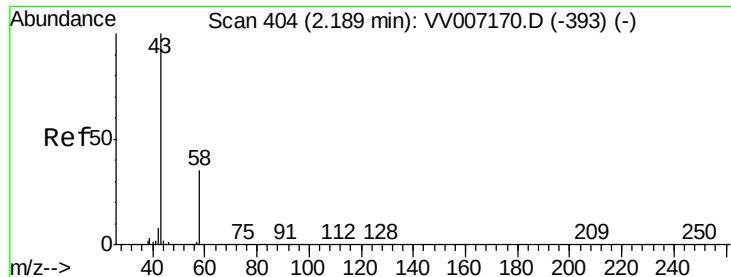


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 97.771 ug/L

RT: 2.19 min Scan# 404

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

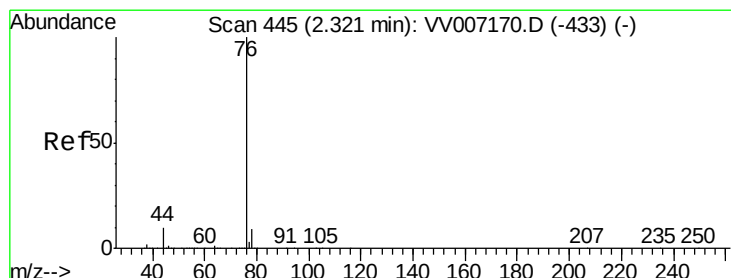
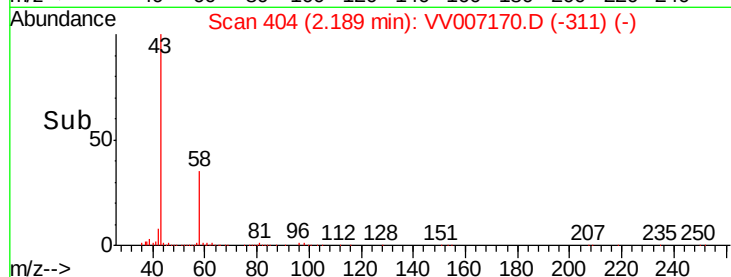
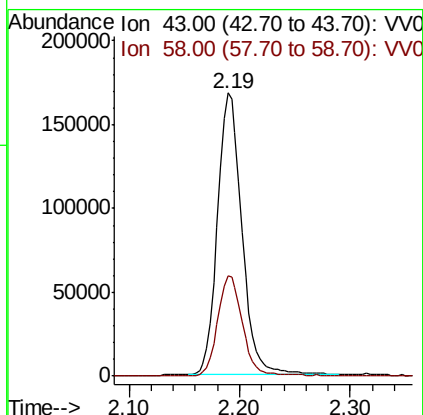
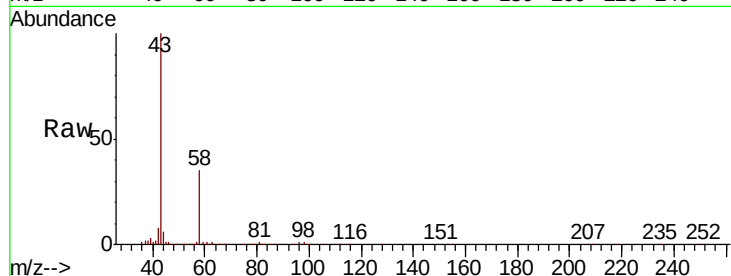
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 257030

Ion Ratio Lower Upper

43 100

58 36.0 0.0 72.0



#14

Carbon disulfide

Concen: 46.435 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007170.D

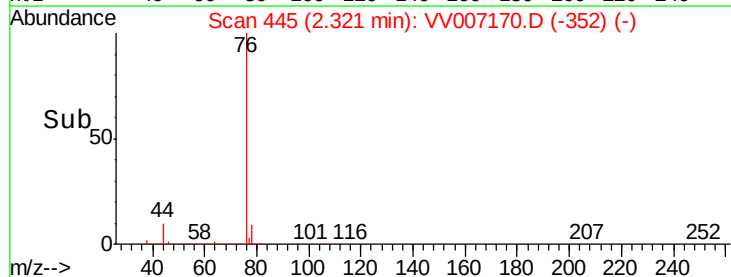
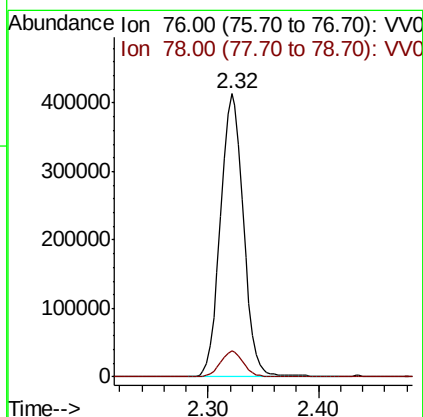
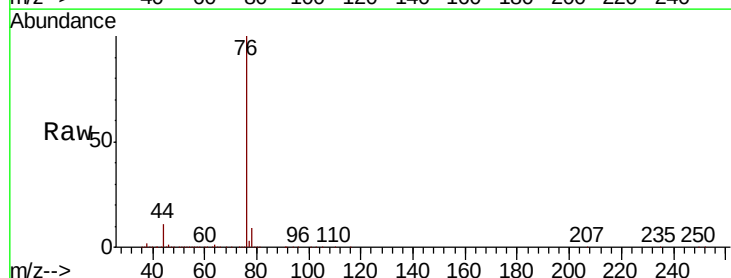
Acq: 24 Aug 2018 14:52

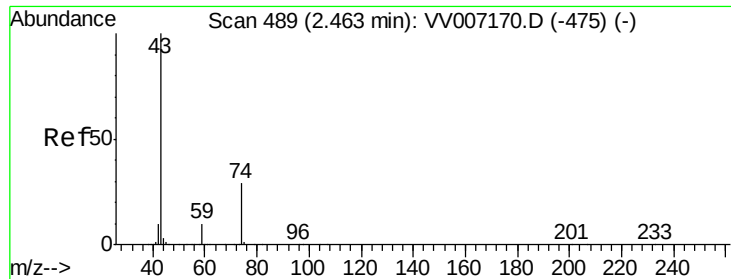
Tgt Ion: 76 Resp: 600951

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

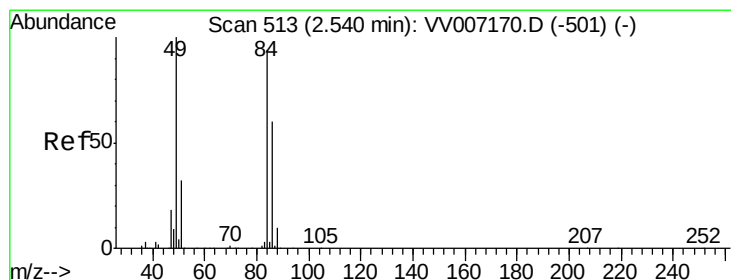
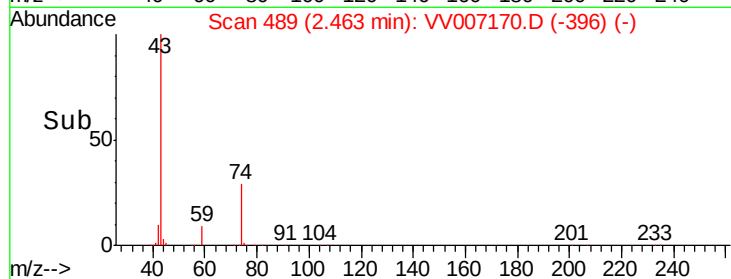
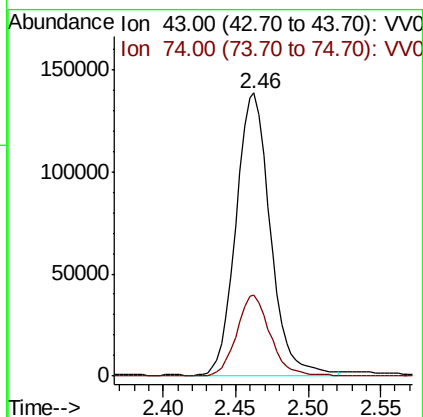
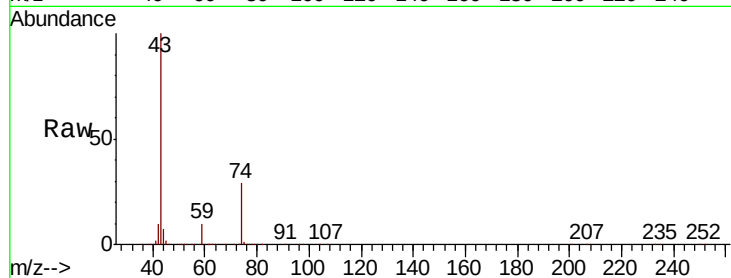




#15
Methyl Acetate
Concen: 46.990 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

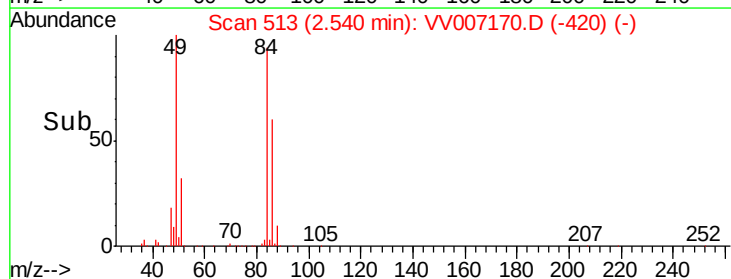
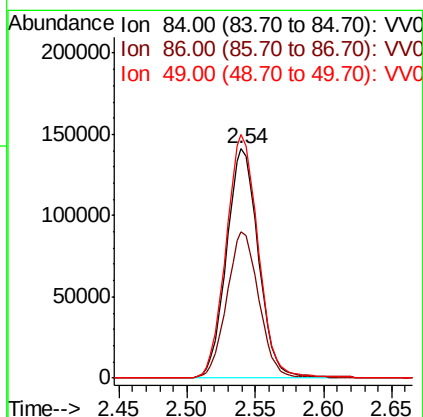
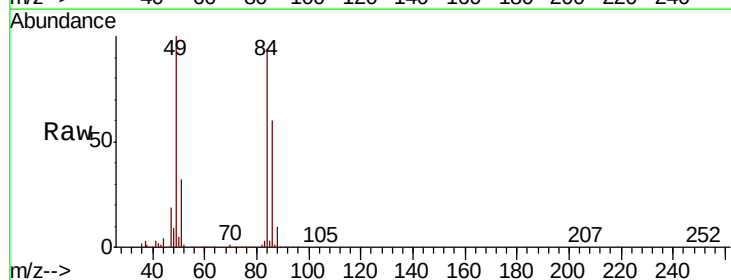
Instrument :
MSVOA_V
ClientSampled :

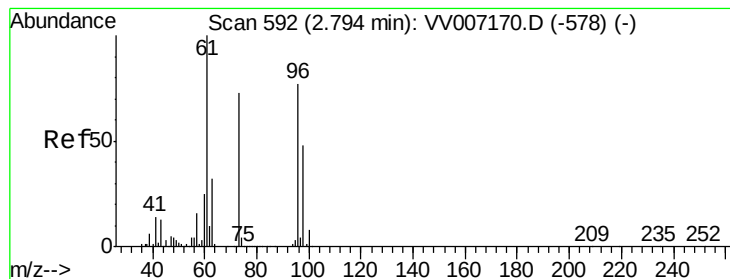
Tot Ion: 43 Resp: 226695
Ion Ratio Lower Upper
43 100
74 28.2 22.6 33.8



#16
Methylene chloride
Concen: 47.213 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

Tgt Ion: 84 Resp: 230173
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 106.4 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 46.786 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :
MSVOA_V
ClientSampleId :

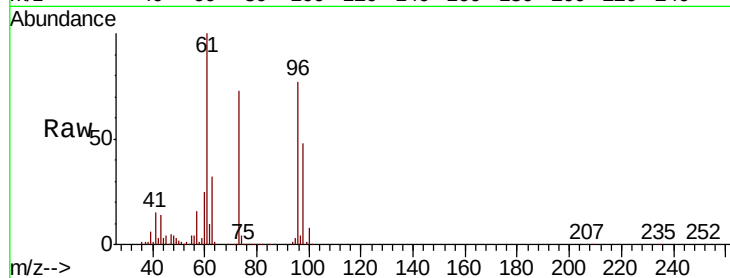
Tot Ion: 96 Resp: 214794

Ion Ratio Lower Upper

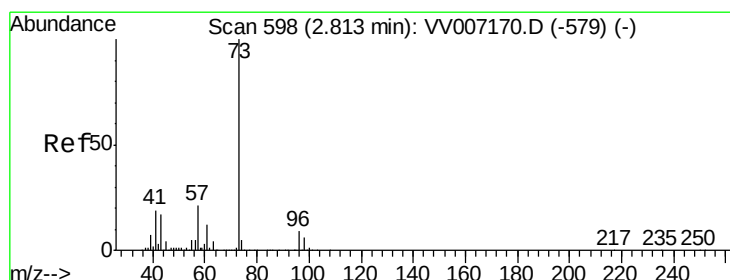
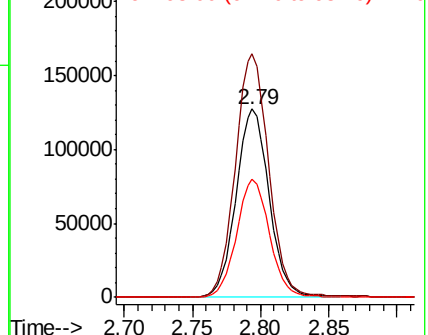
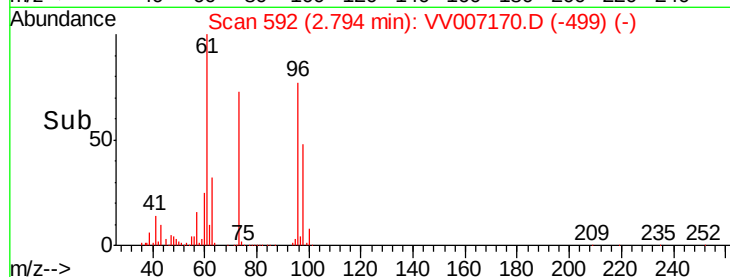
96 100

61 129.4 90.6 168.2

98 62.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 46.171 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

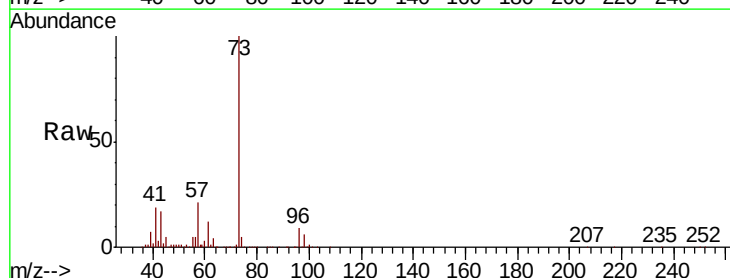
Tgt Ion: 73 Resp: 647912

Ion Ratio Lower Upper

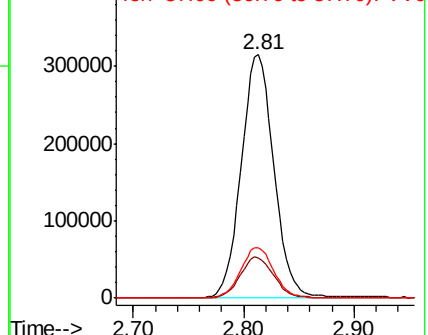
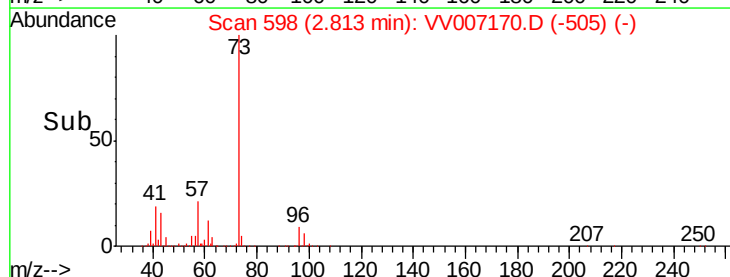
73 100

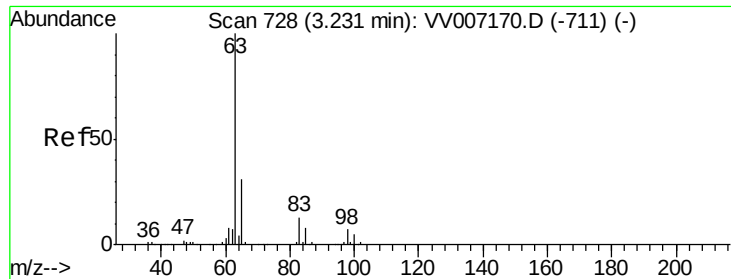
43 17.1 13.7 20.5

57 21.0 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

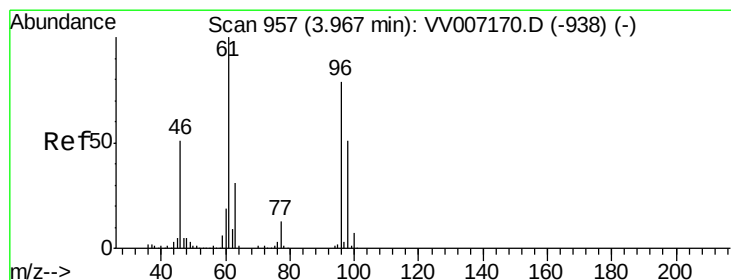
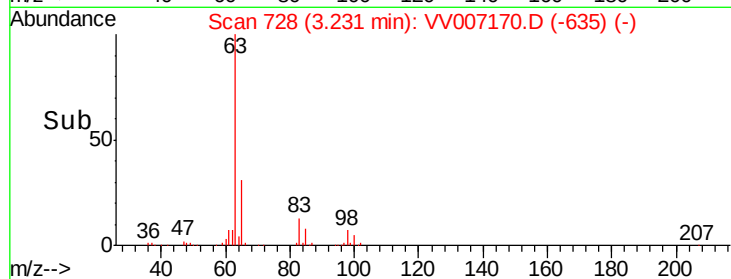
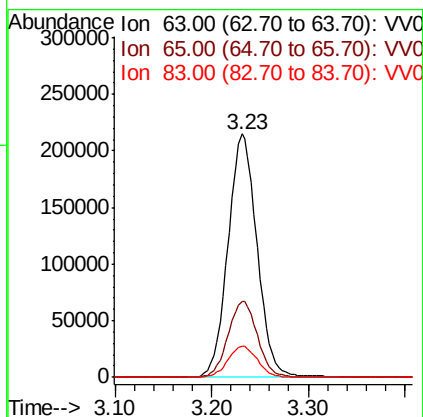
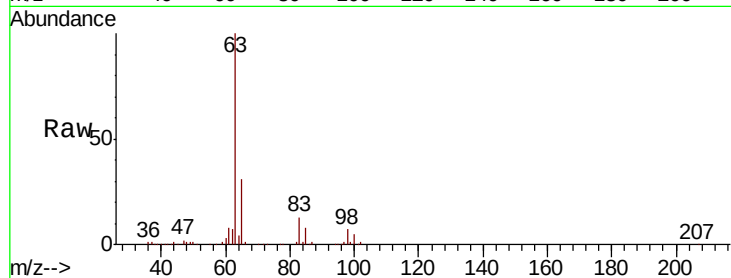




#19
 1,1-Dichloroethane
 Concen: 47.325 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

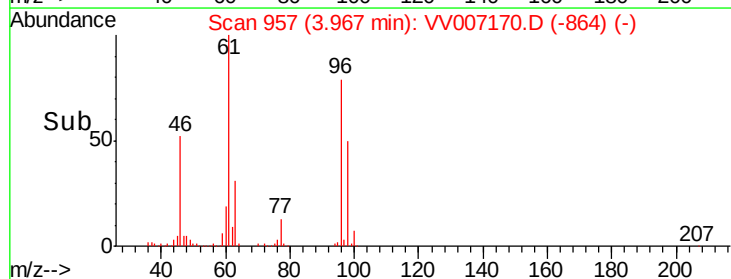
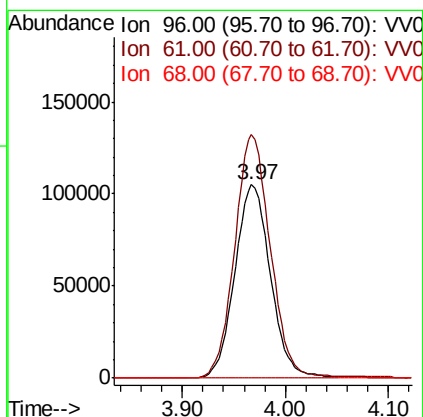
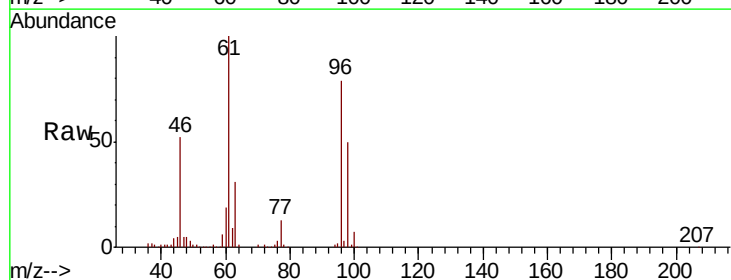
Instrument :
 MSVOA_V
 ClientSampleId :

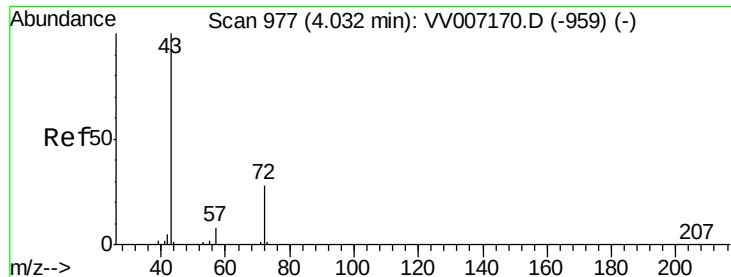
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.8	40.4
83	13.0	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.250 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.0	88.2	163.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 95.823 ug/L

RT: 4.03 min Scan# 977

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

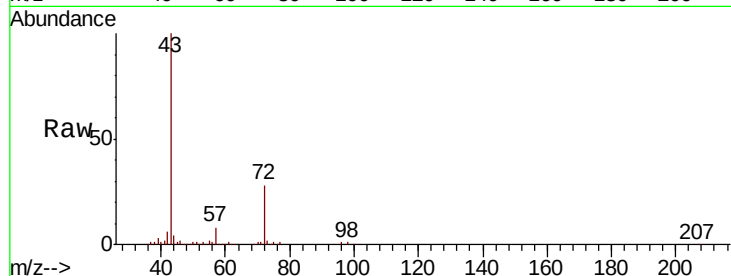
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 398140

Ion Ratio Lower Upper

43 100

72 26.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VV007170.D (-959) (-)

4.03

150000

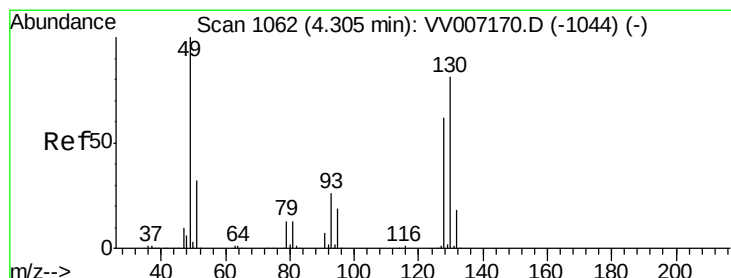
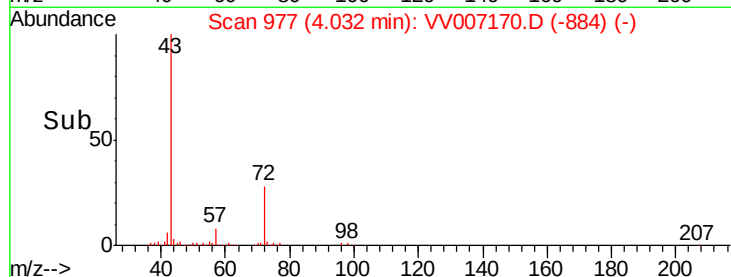
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 48.010 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Tgt Ion: 128 Resp: 131711

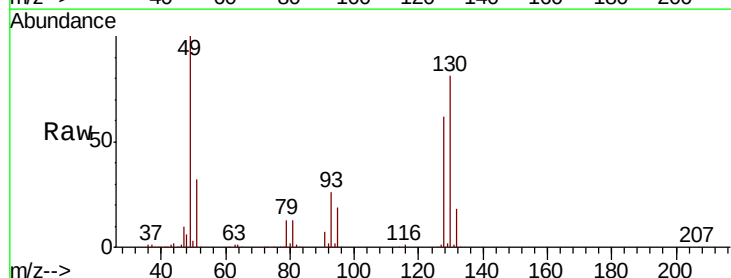
Ion Ratio Lower Upper

128 100

49 160.7 112.5 208.9

130 129.4 90.6 168.2

51 50.9 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV007170.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VV007170.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VV007170.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VV007170.D (-1044) (-)

4.31

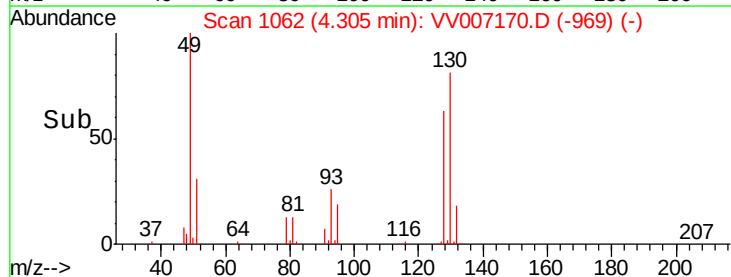
100000

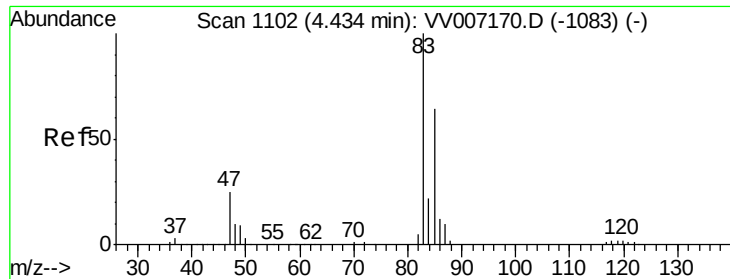
50000

0

Time-->

4.20 4.30 4.40

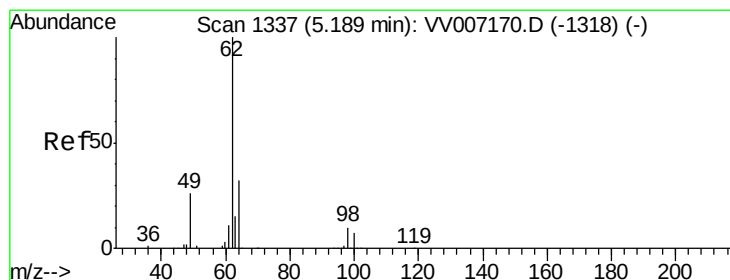
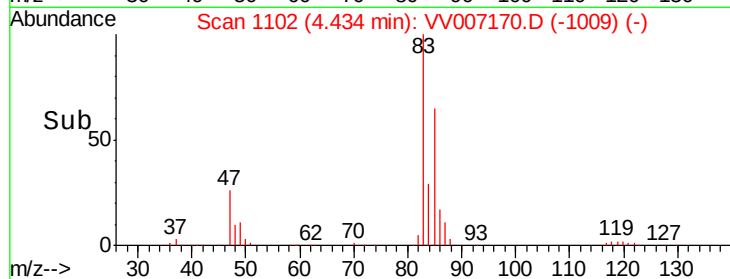
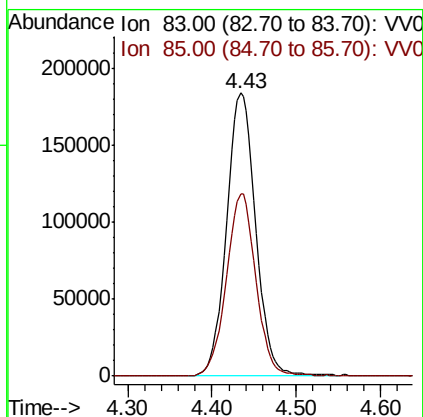
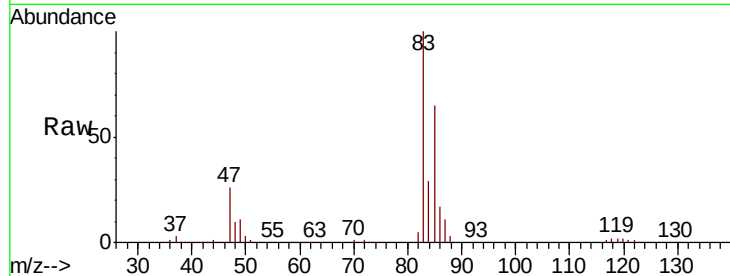




#25
Chloroform
Concen: 47.765 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

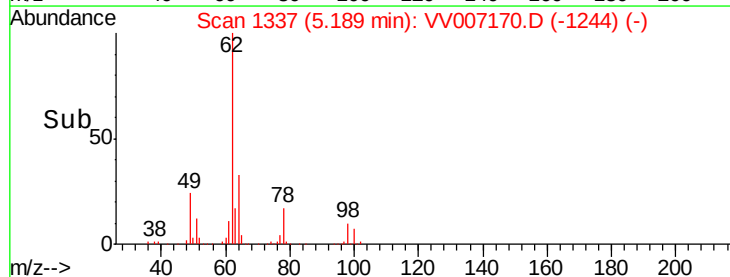
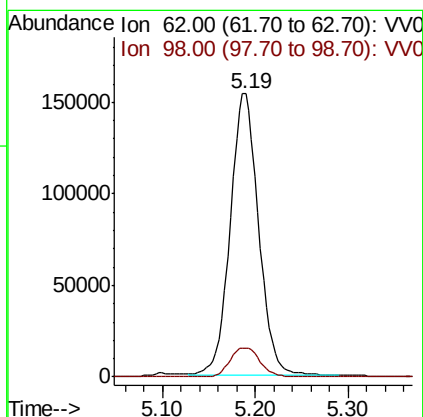
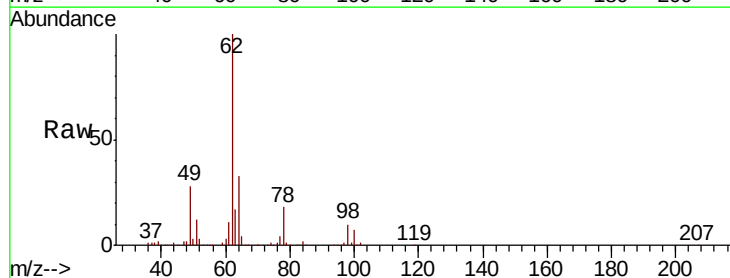
Instrument :
MSVOA_V
ClientSampleId :

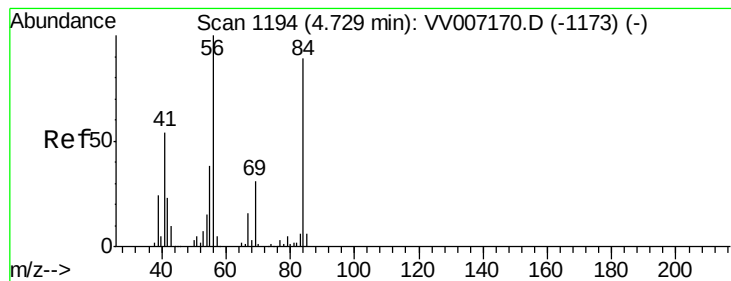
Tot Ion: 83 Resp: 442961
Ion Ratio Lower Upper
83 100
85 64.6 45.2 84.0



#27
1,2-Dichloroethane
Concen: 46.575 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

Tgt Ion: 62 Resp: 326308
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 45.245 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :
MSVOA_V
ClientSampleId :

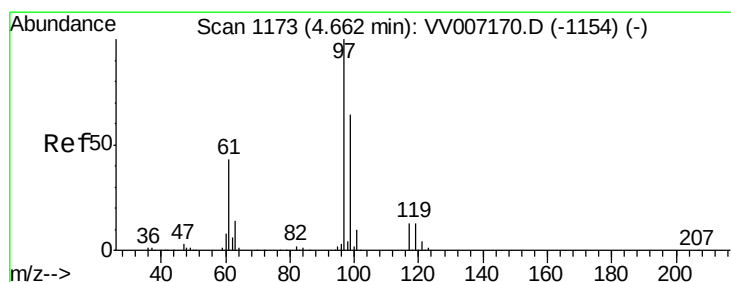
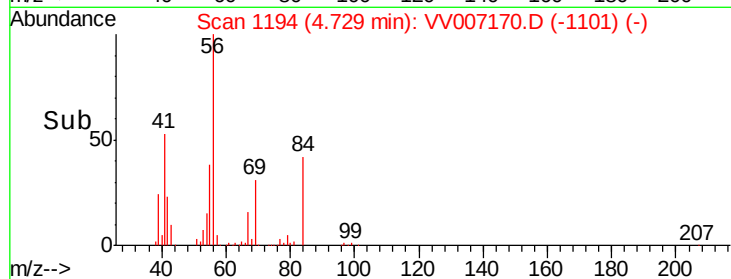
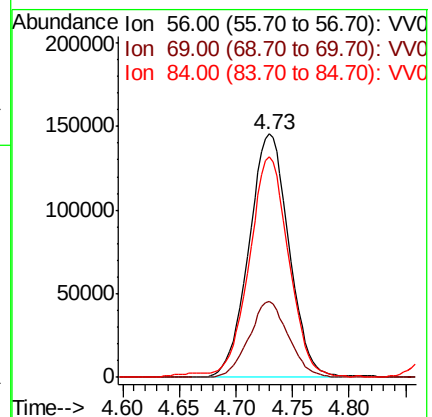
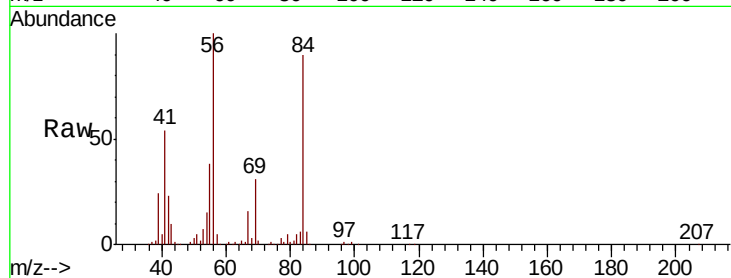
Tot Ion: 56 Resp: 357934

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 88.5 70.8 106.2



#30

1,1,1-Trichloroethane

Concen: 45.349 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

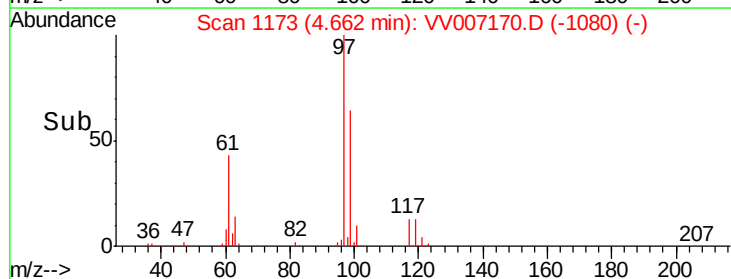
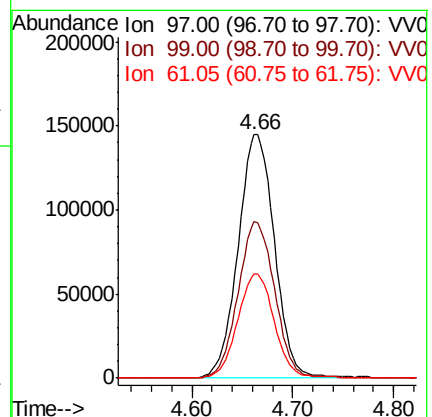
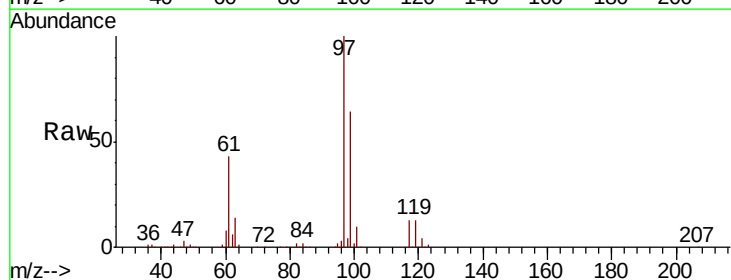
Tgt Ion: 97 Resp: 362610

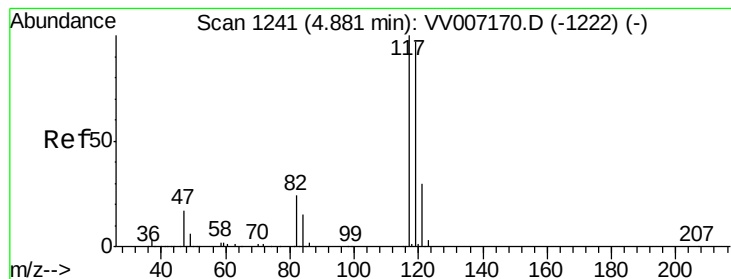
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.9 34.3 51.5





#31

Carbon tetrachloride

Concen: 46.605 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

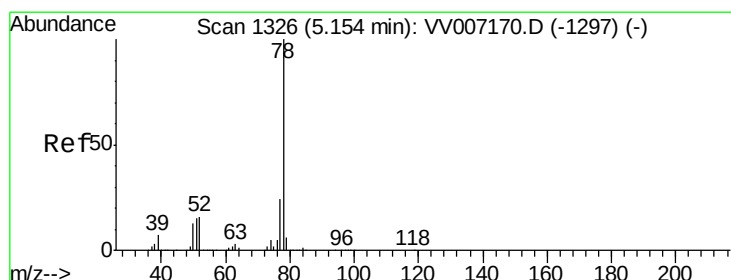
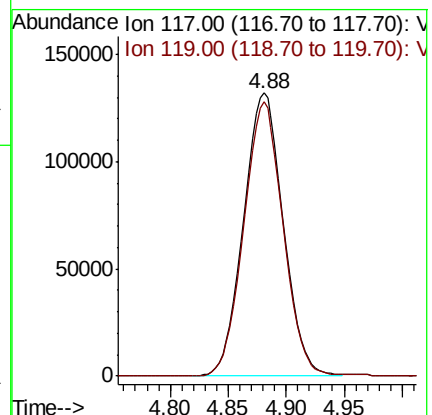
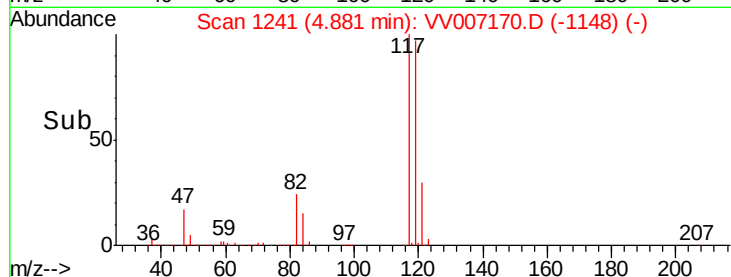
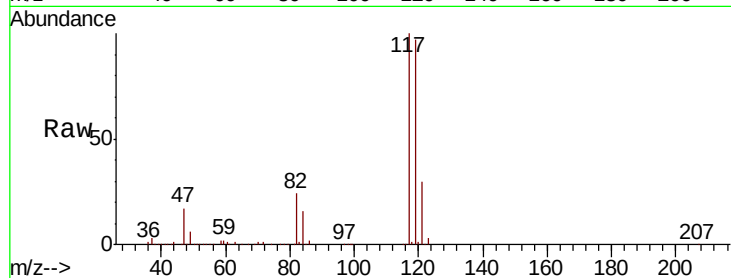
ClientSampled :

Tot Ion:117 Resp: 314168

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



#33

Benzene

Concen: 46.533 ug/L

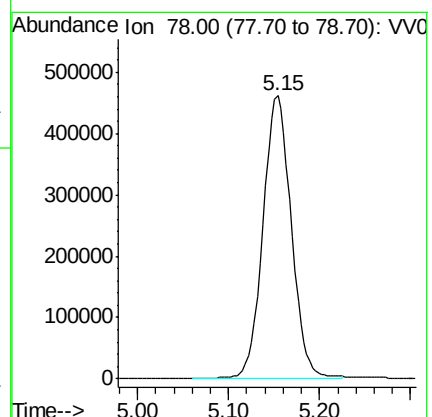
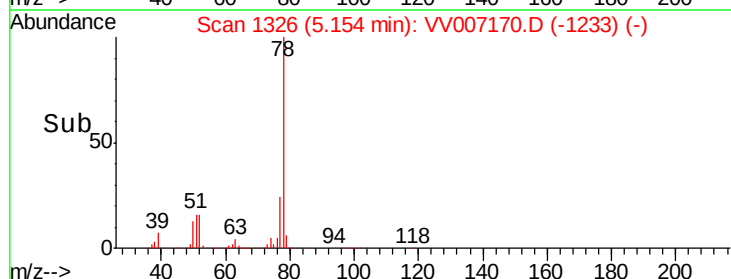
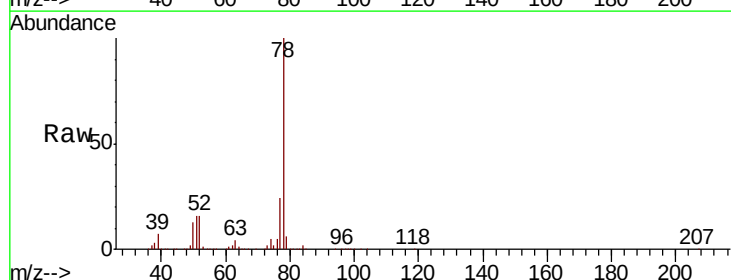
RT: 5.15 min Scan# 1326

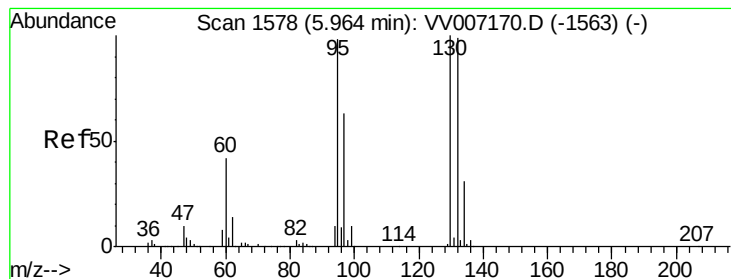
Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Tgt Ion: 78 Resp: 1001122





#34

Trichloroethene

Concen: 45.178 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 232203

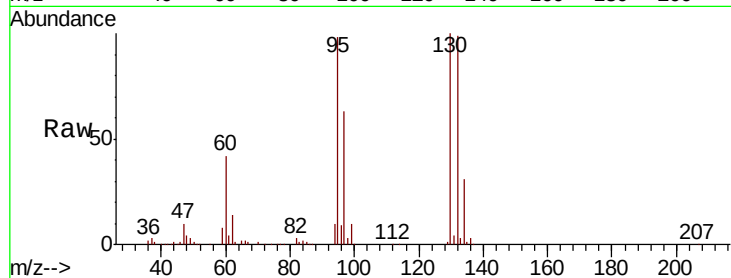
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 101.1 70.8 131.4

130 102.5 71.7 133.3

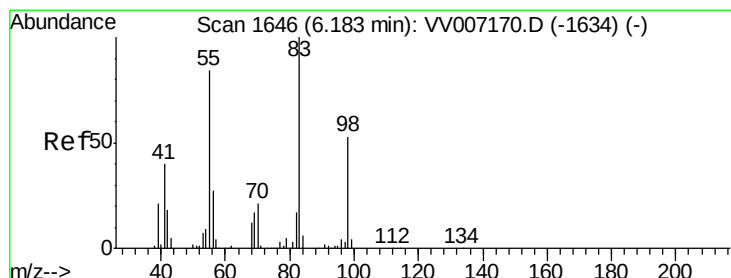
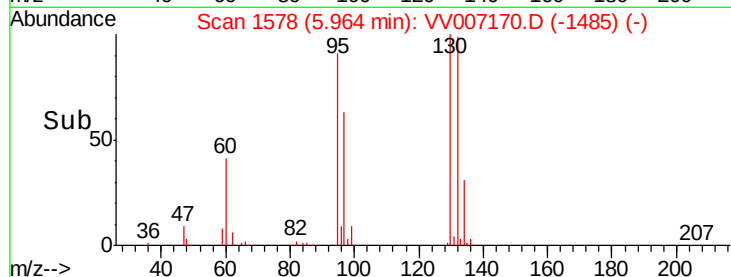
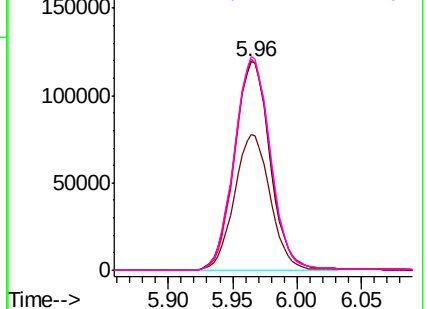


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.917 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

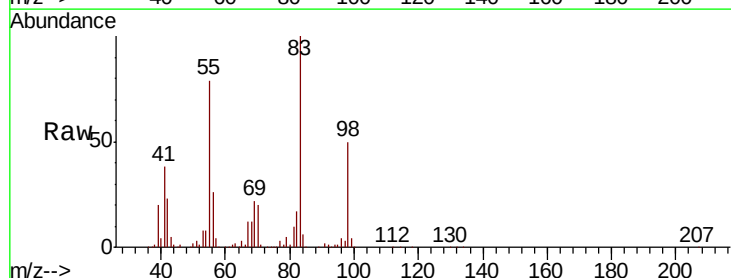
Tgt Ion: 83 Resp: 385074

Ion Ratio Lower Upper

83 100

55 77.7 62.2 93.2

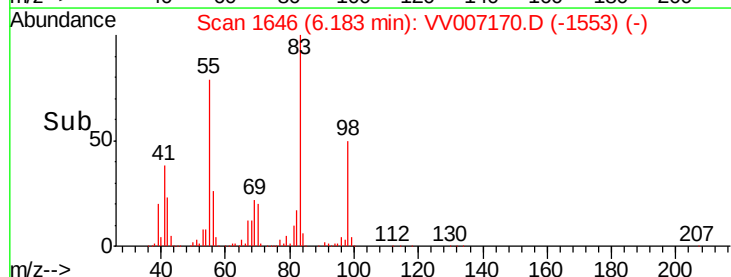
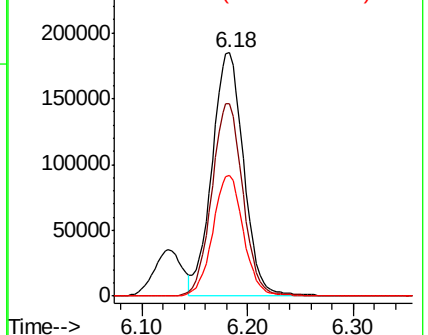
98 47.4 37.9 56.9

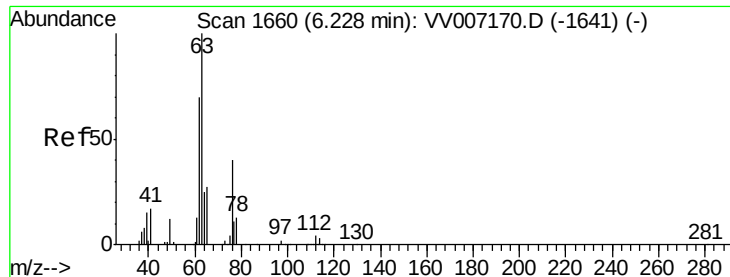


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

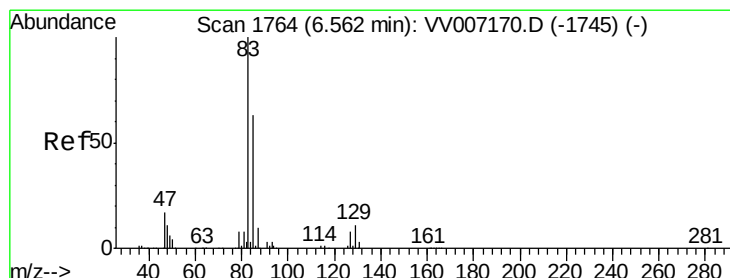
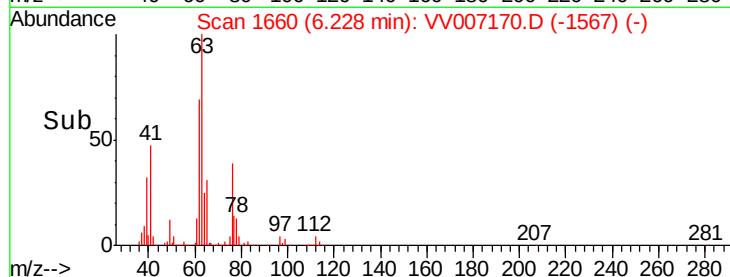
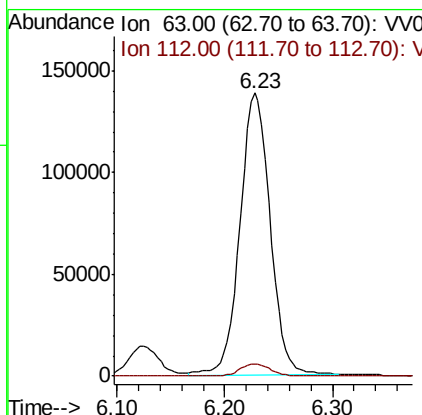
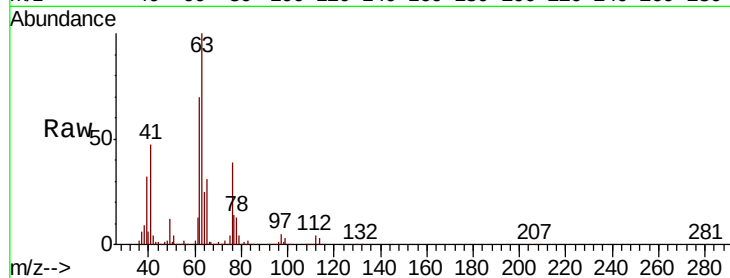




#37
 1,2-Dichloropropane
 Concen: 46.843 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

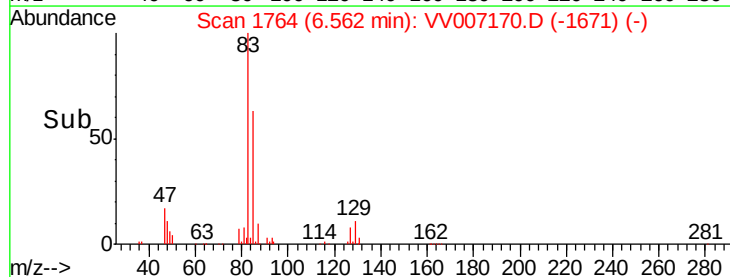
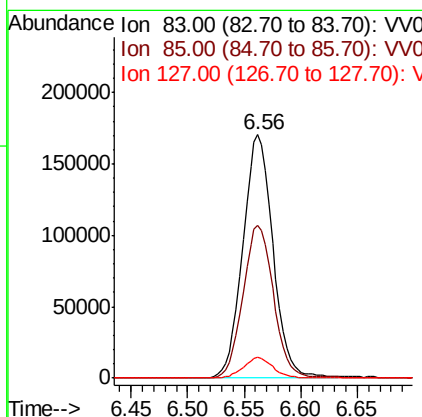
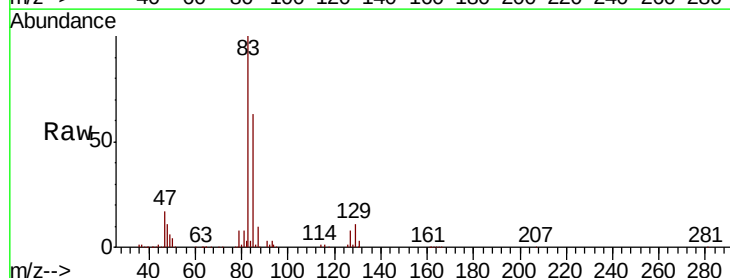
Instrument :
 MSVOA_V
 ClientSampleId :

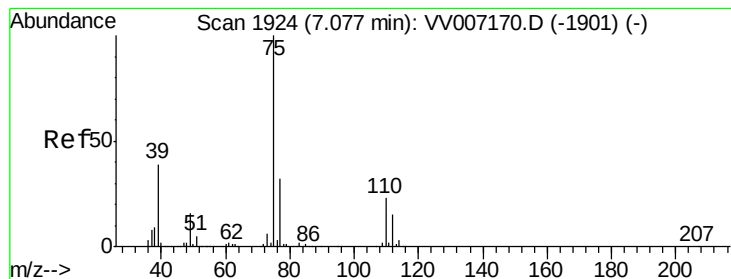
Tot Ion: 63 Resp: 268959
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 46.032 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion: 83 Resp: 316319
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.1 81.9
 127 8.3 6.6 10.0



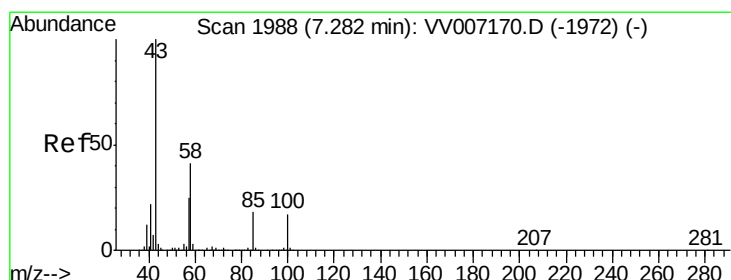
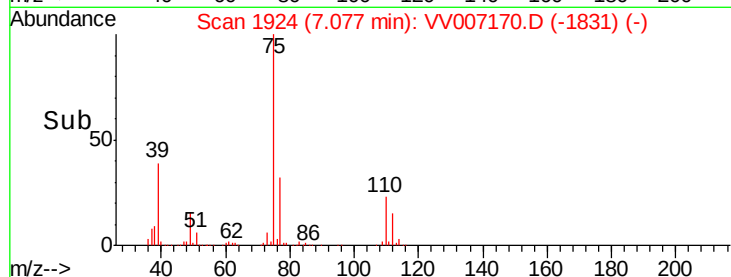
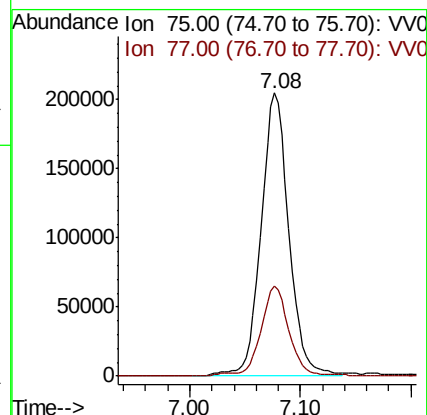
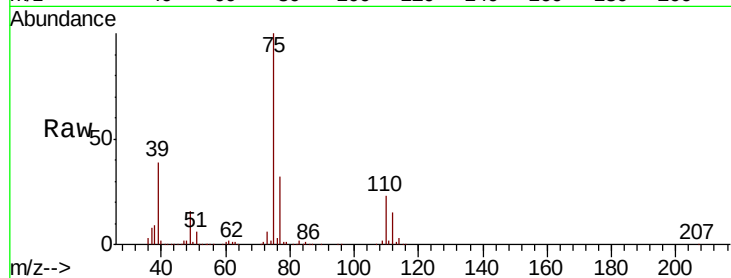


#39

cis-1,3-Dichloropropene
 Concen: 46.154 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Instrument :
 MSVOA_V
 ClientSampled :

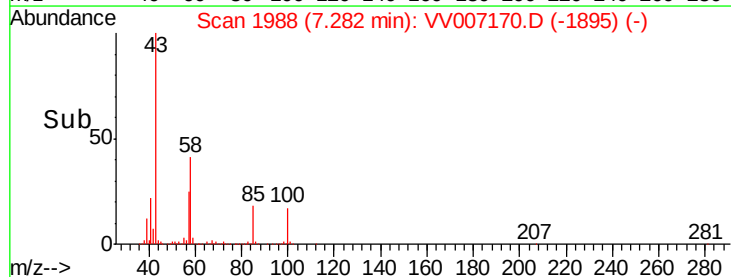
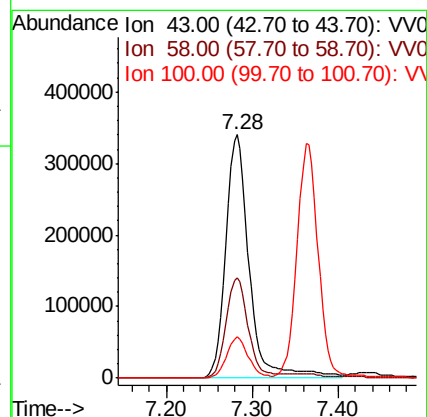
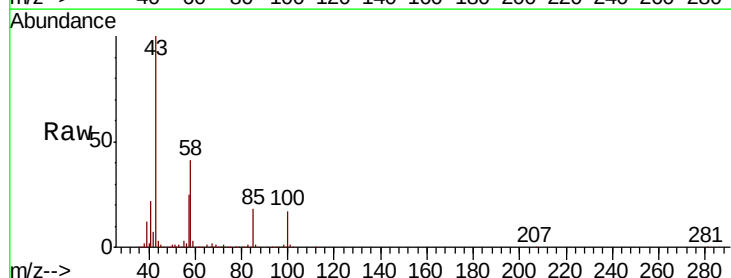
Tot Ion: 75 Resp: 358680
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

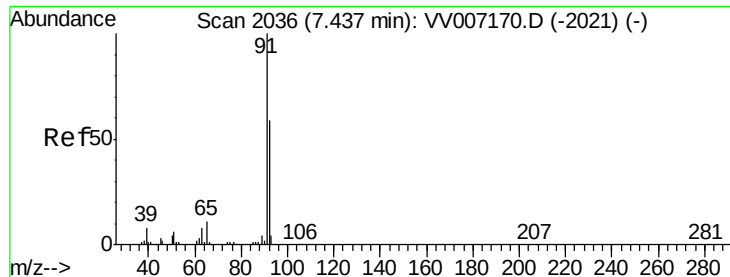


#40

4-Methyl-2-pentanone
 Concen: 93.167 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion: 43 Resp: 647443
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 15.7 12.6 18.8





#42

Toluene

Concen: 48.761 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

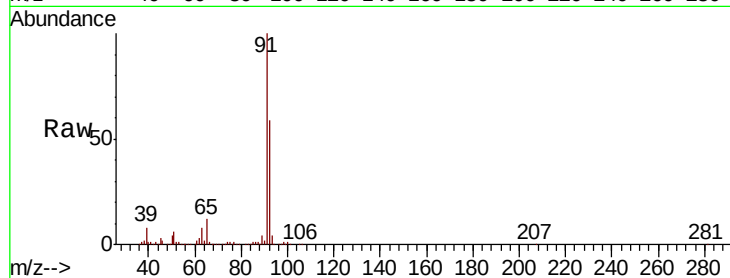
ClientSampleId :

Tot Ion: 91 Resp: 1014257

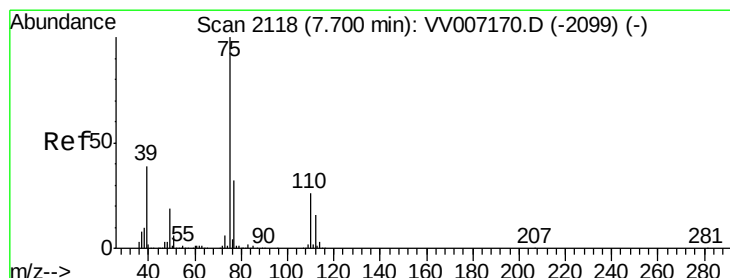
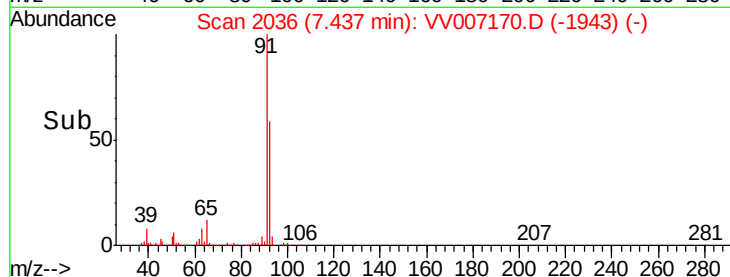
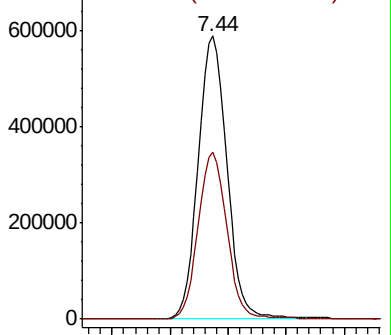
Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV007170.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 47.416 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007170.D

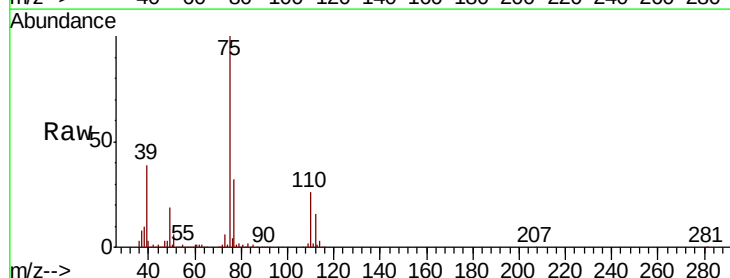
Acq: 24 Aug 2018 14:52

Tgt Ion: 75 Resp: 342314

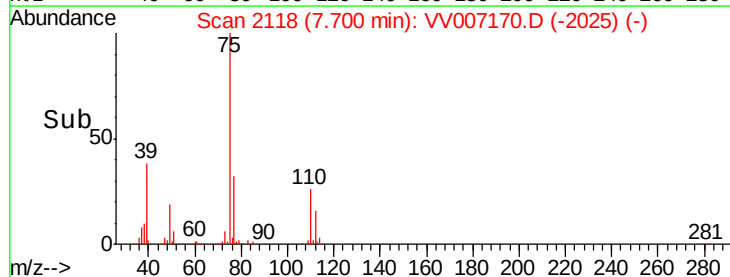
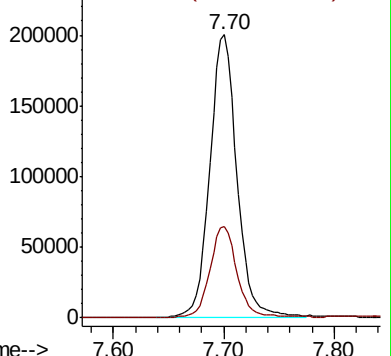
Ion Ratio Lower Upper

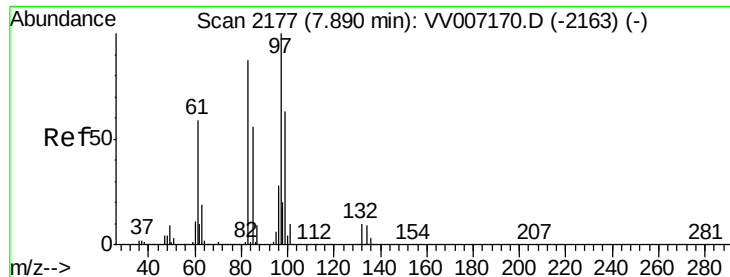
75 100

77 32.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV007170.D (-2099) (-)

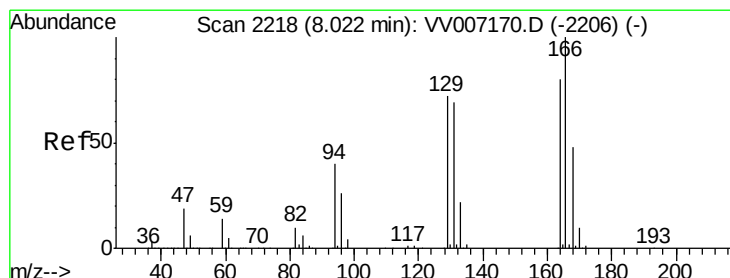
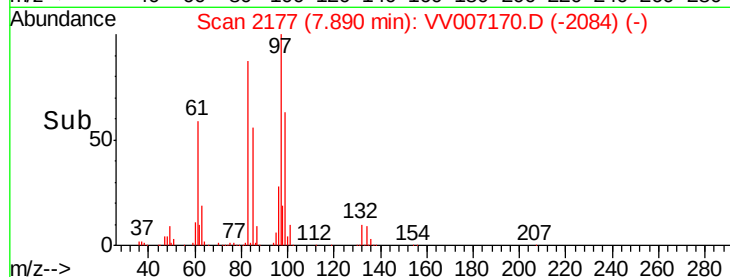
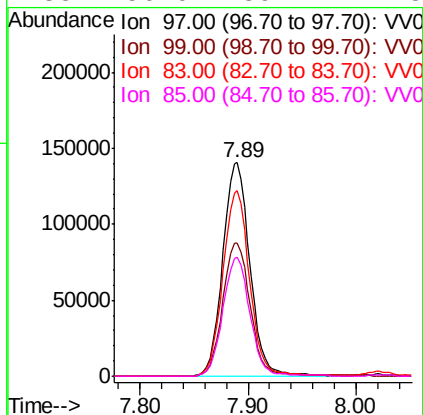
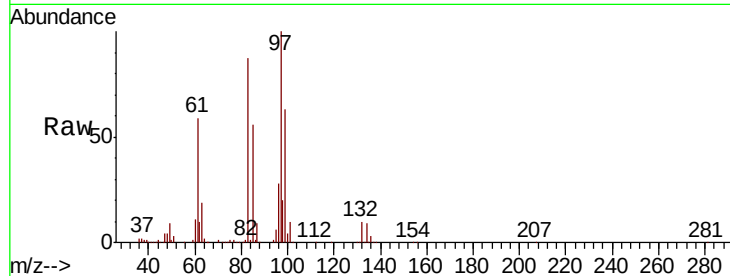




#45
 1,1,2-Trichloroethane
 Concen: 46.164 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

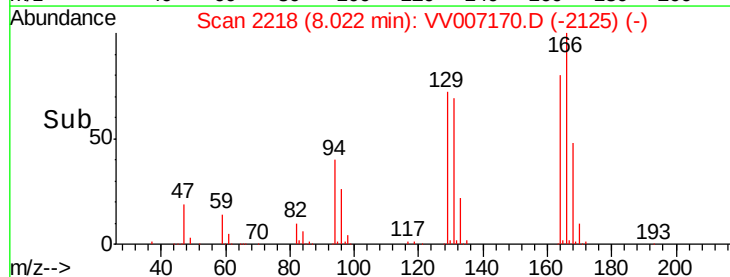
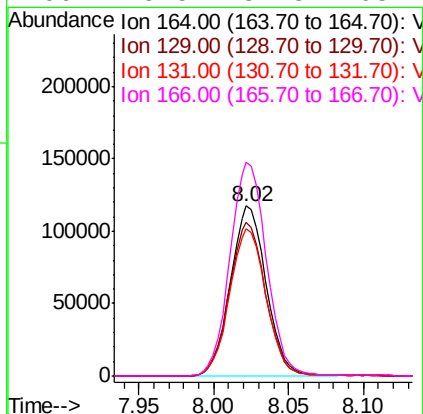
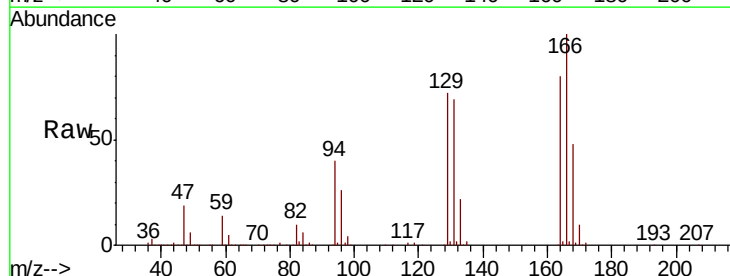
Instrument :
 MSVOA_V
 ClientSampleId :

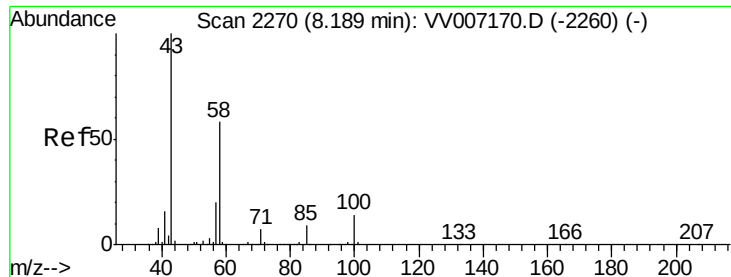
Tot Ion:	97	Resp:	247186
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	87.2	61.0	113.4
85	56.0	39.2	72.8



#46
 Tetrachloroethene
 Concen: 46.943 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion:	164	Resp:	196388
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.3	117.7
131	86.6	60.6	112.6
166	125.5	87.8	163.2

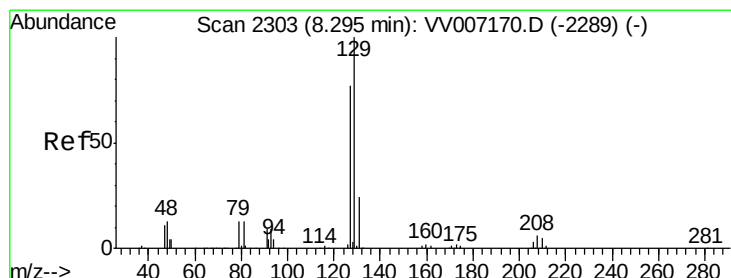
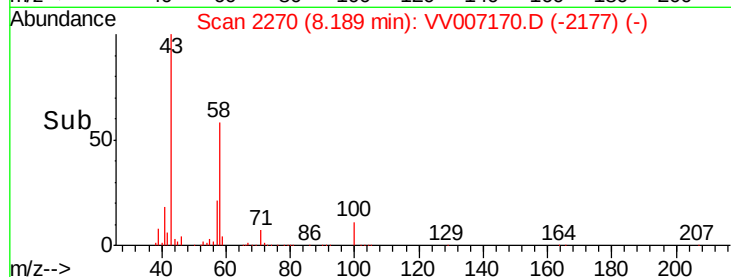
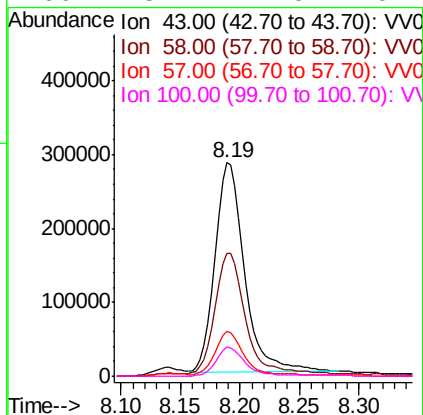
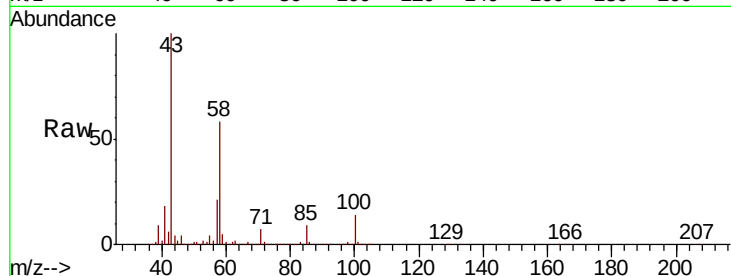




#48
2-Hexanone
Concen: 89.393 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

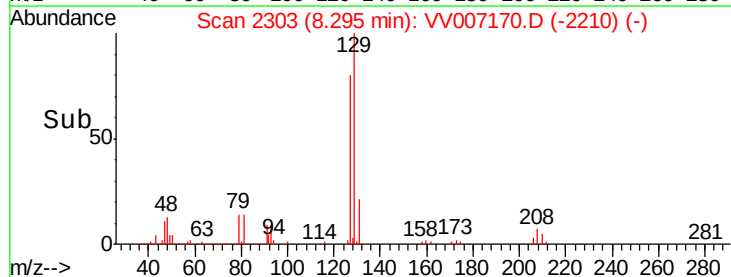
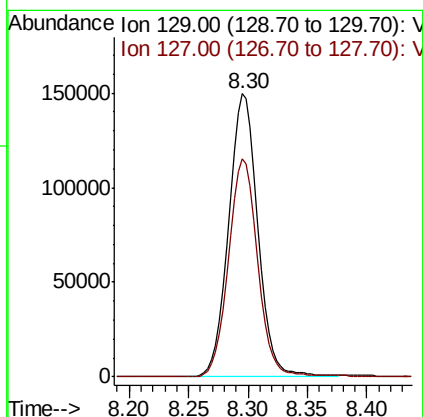
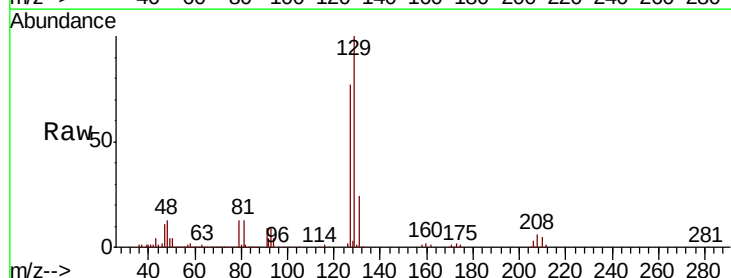
Instrument :
MSVOA_V
ClientSampled :

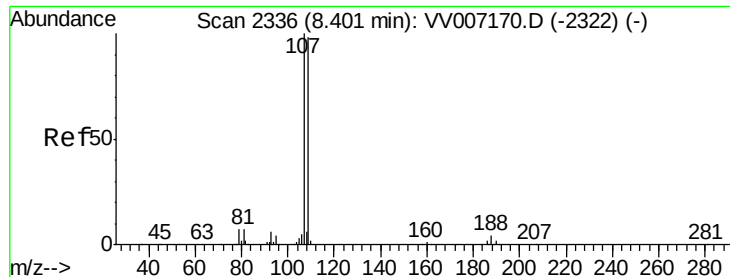
Tot Ion:	43	Resp:	492736
Ion	Ratio	Lower	Upper
43	100		
58	59.1	47.3	70.9
57	20.6	16.5	24.7
100	13.7	11.0	16.4



#49
Dibromochloromethane
Concen: 47.354 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

Tgt Ion:	129	Resp:	255060
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.0	100.2

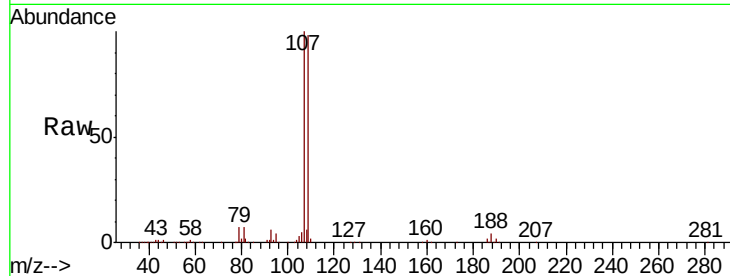




#50
1,2-Dibromoethane
Concen: 46.433 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	68.3	126.8
188	4.1	3.3	4.9

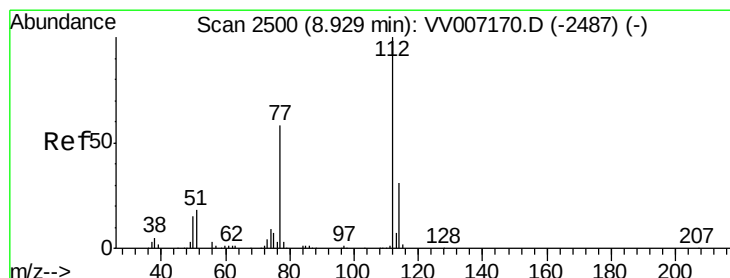
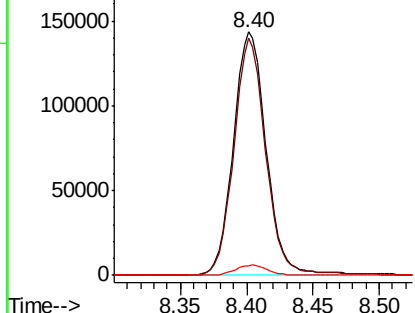
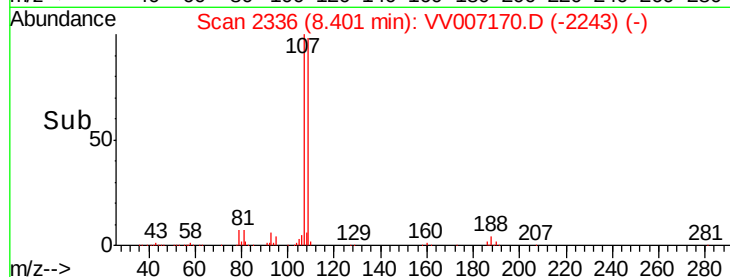


Abundance

Ion 107.00 (106.70 to 107.70): V

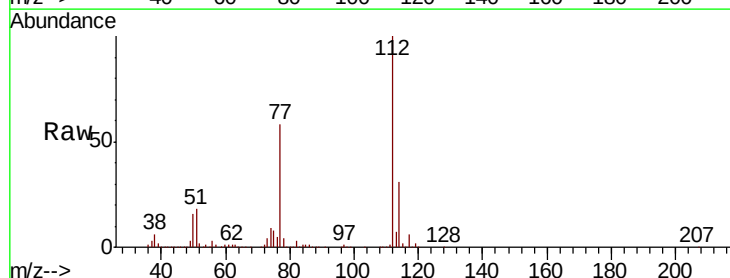
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 46.914 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007170.D
Acq: 24 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	40.8
77	58.0	46.4	69.6

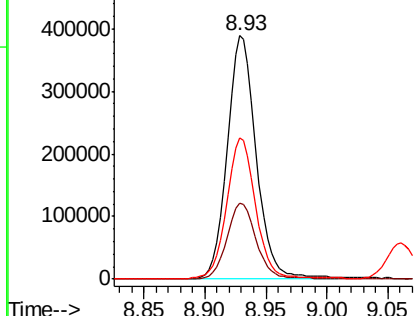
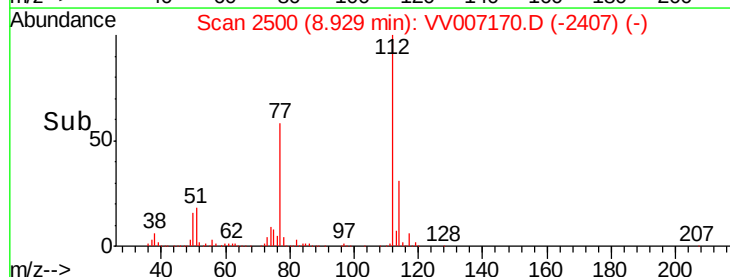


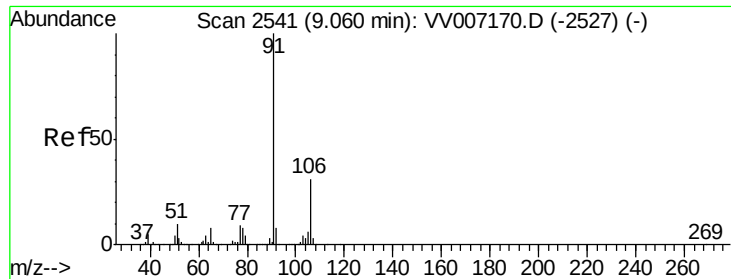
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.459 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

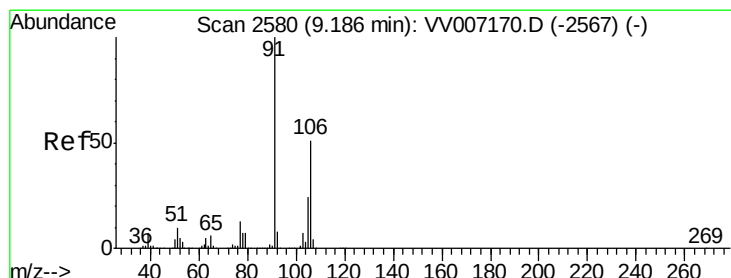
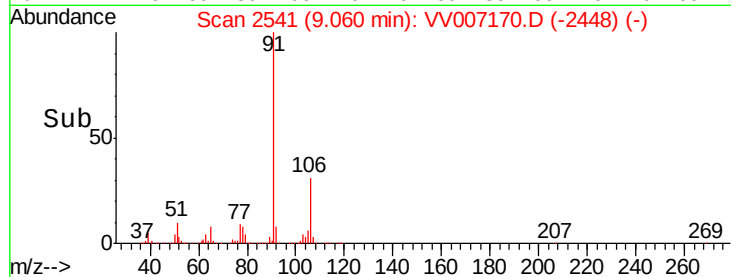
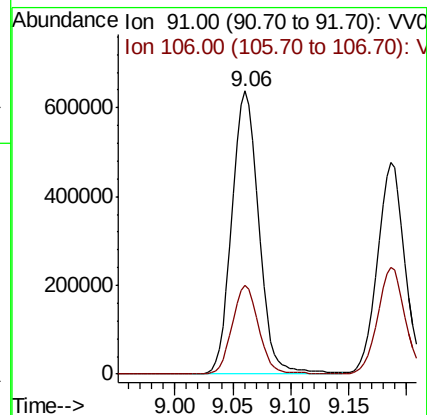
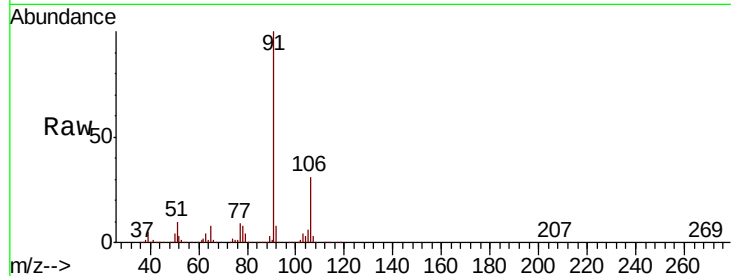
ClientSampleId :

Tot Ion: 91 Resp: 1024838

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 49.418 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007170.D

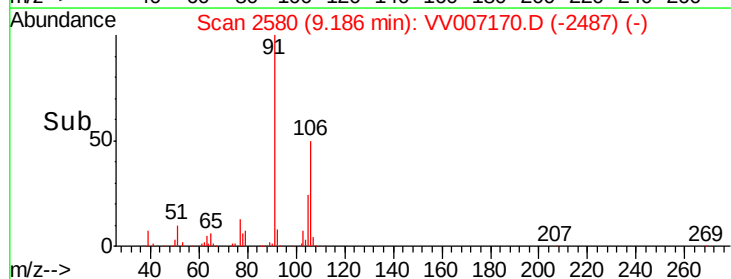
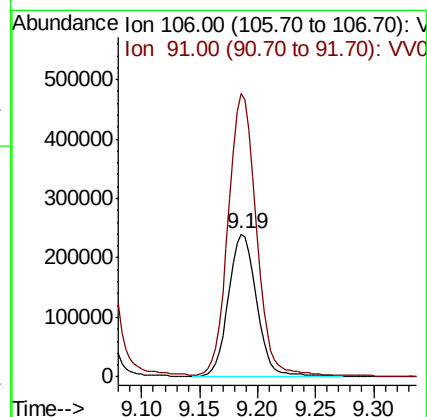
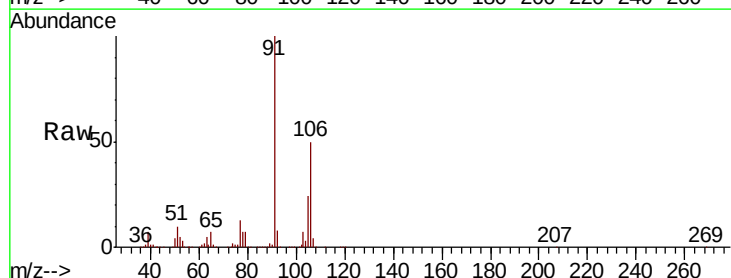
Acq: 24 Aug 2018 14:52

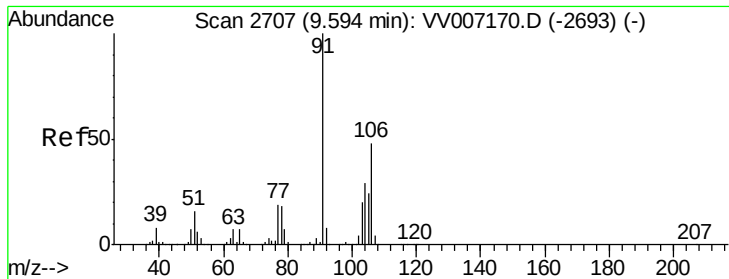
Tgt Ion: 106 Resp: 399848

Ion Ratio Lower Upper

106 100

91 198.5 138.9 258.1





#54

o-xylene

Concen: 48.910 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

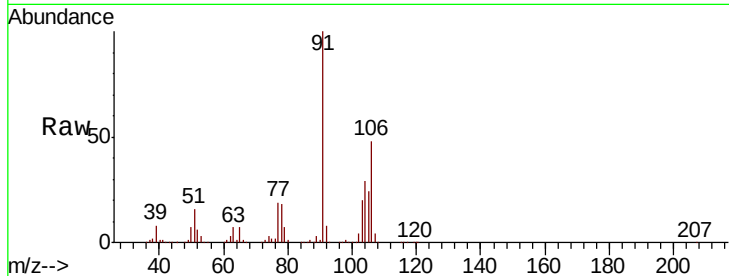
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 382871

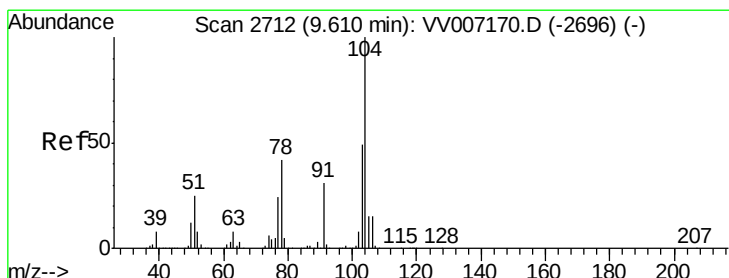
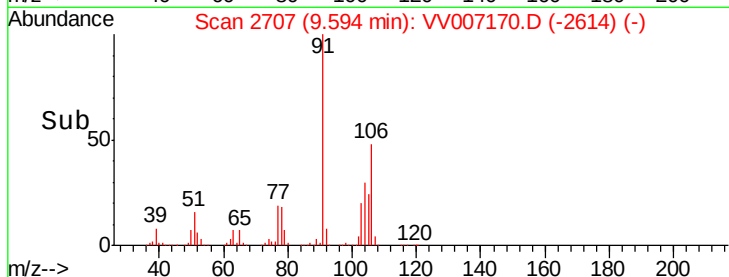
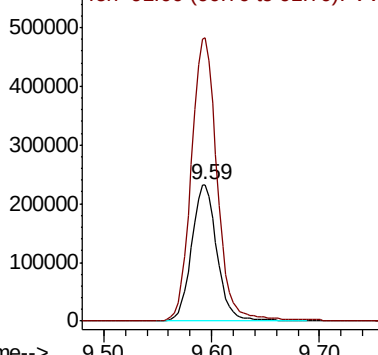
Ion Ratio Lower Upper

106 100

91 207.4 145.2 269.6



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



#55

Styrene

Concen: 51.001 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007170.D

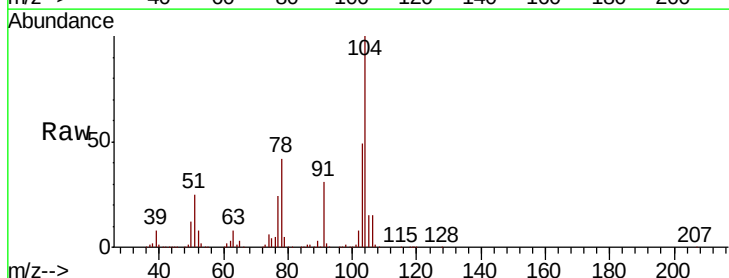
Acq: 24 Aug 2018 14:52

Tgt Ion:104 Resp: 688421

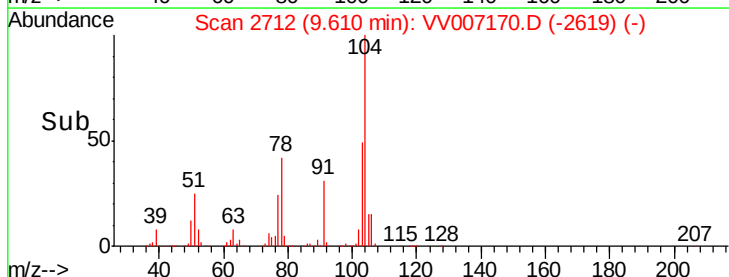
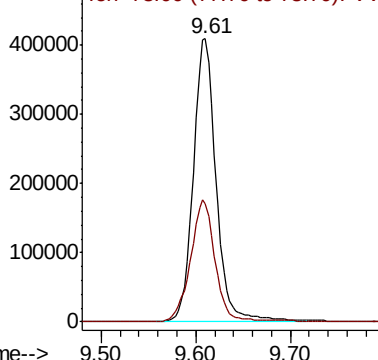
Ion Ratio Lower Upper

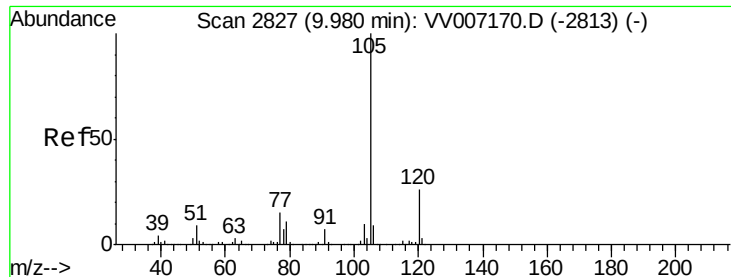
104 100

78 41.8 29.3 54.3



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





#56

Isopropylbenzene

Concen: 49.862 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

ClientSampleId :

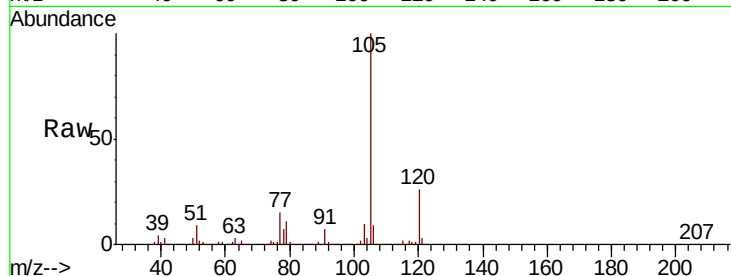
Tot Ion:105 Resp: 986776

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

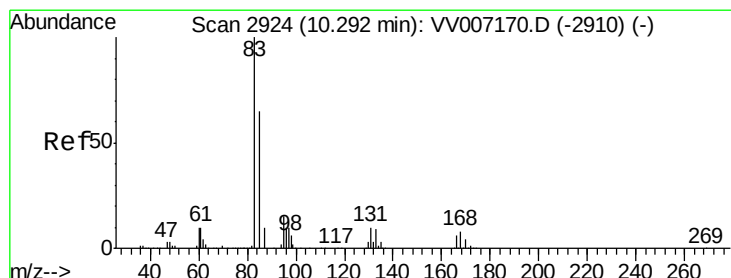
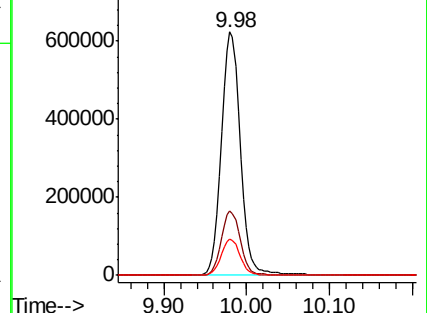
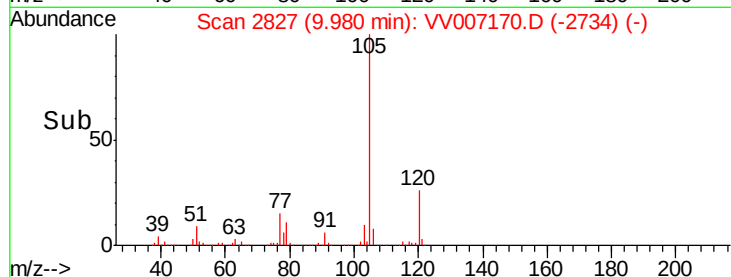
77 14.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.725 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

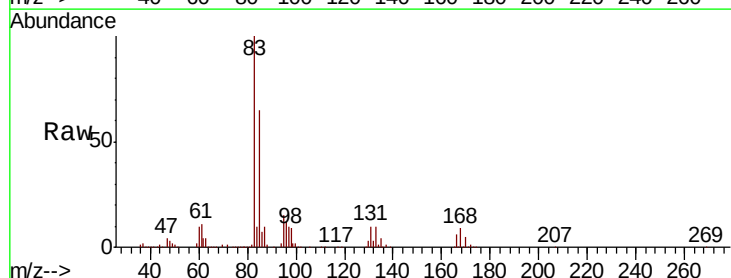
Tgt Ion: 83 Resp: 399921

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

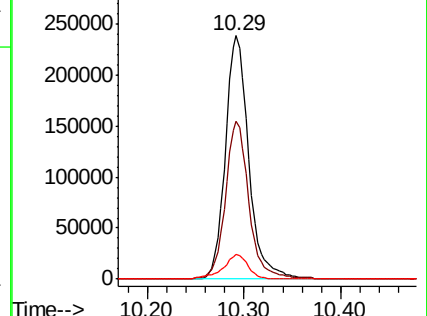
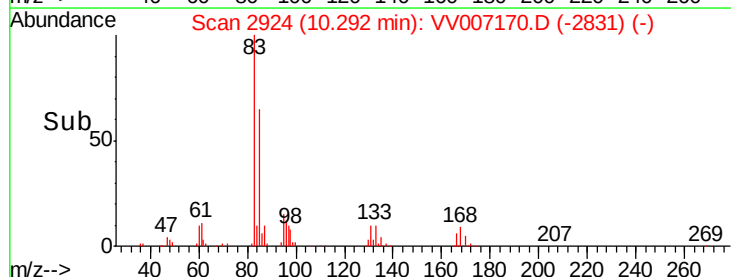
131 10.2 8.2 12.2

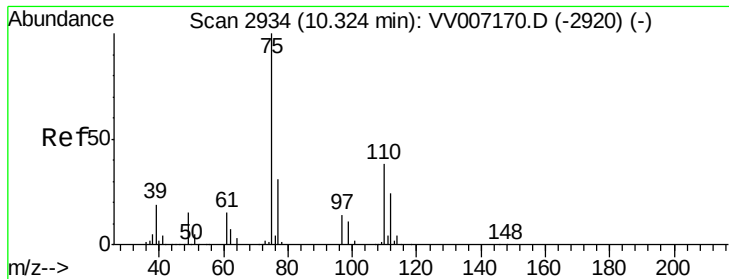


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

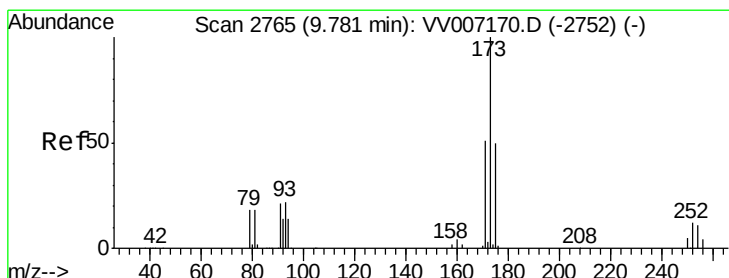
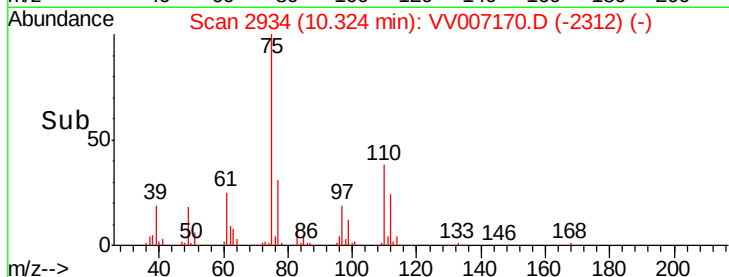
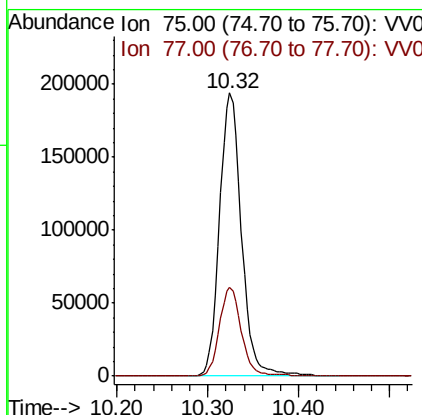
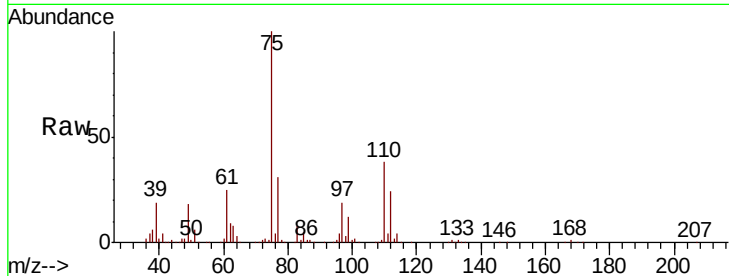




#59
 1,2,3-Trichloropropane
 Concen: 44.318 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

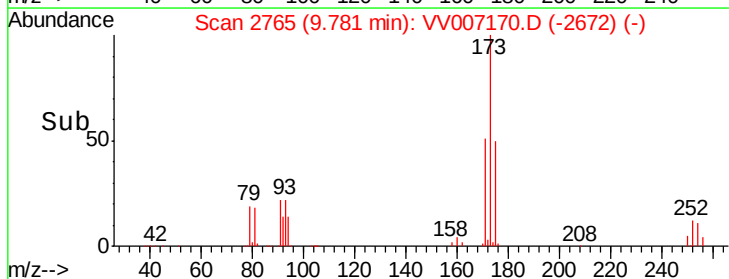
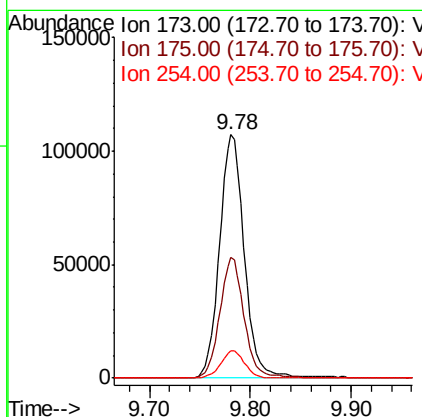
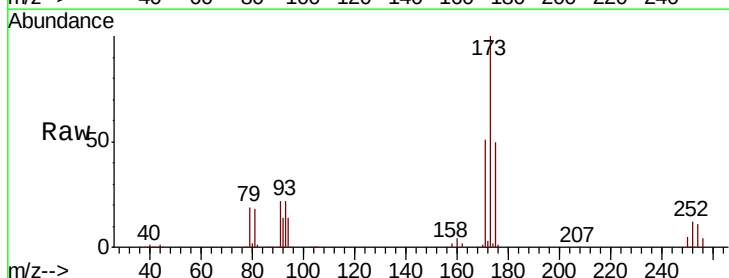
Instrument :
 MSVOA_V
 ClientSampleId :

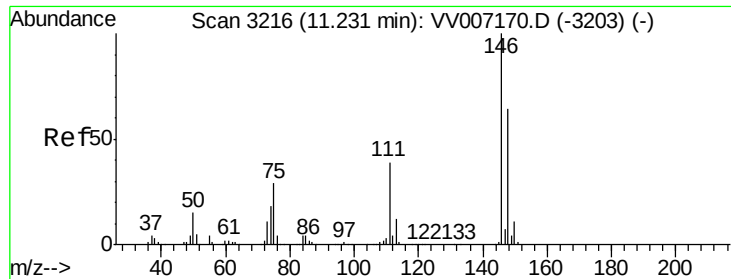
Tot Ion: 75 Resp: 325750
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0



#61
 Bromoform
 Concen: 46.034 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion: 173 Resp: 184637
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 10.7 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 46.530 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

ClientSampleId :

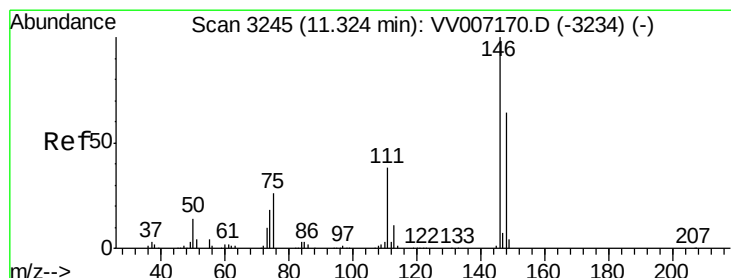
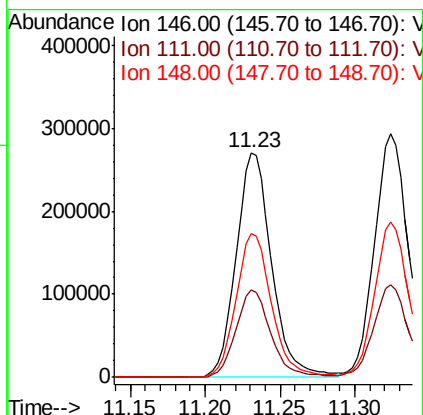
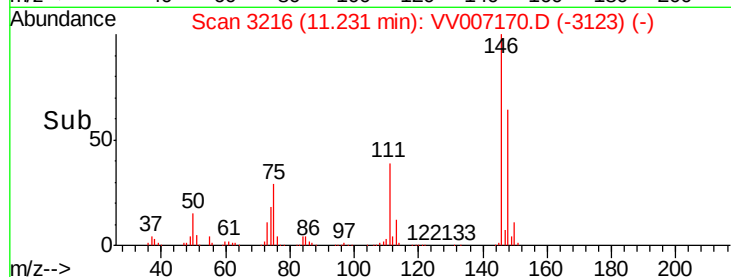
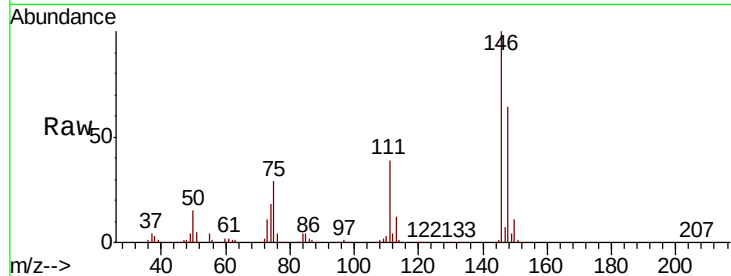
Tot Ion:146 Resp: 446796

Ion Ratio Lower Upper

146 100

111 38.7 27.1 50.3

148 64.0 44.8 83.2



#63

1,4-Dichlorobenzene

Concen: 46.994 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

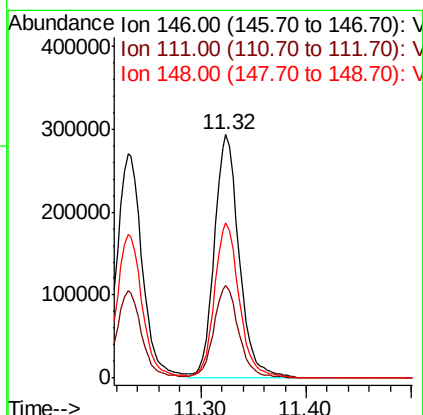
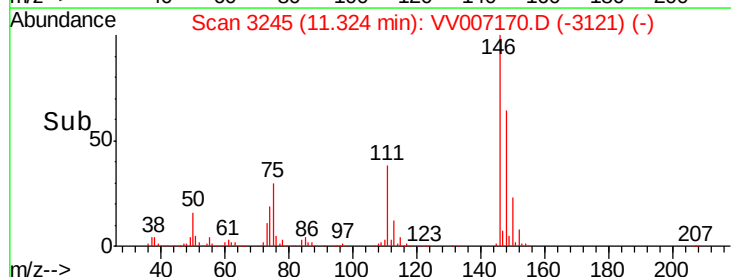
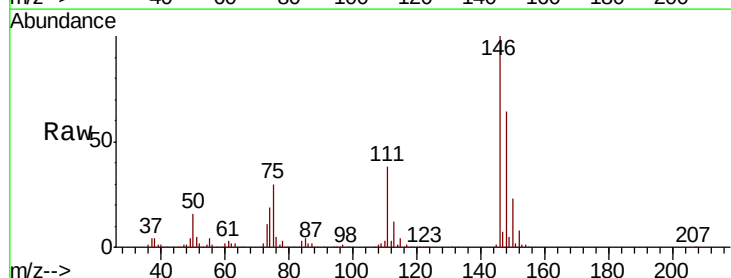
Tgt Ion:146 Resp: 478438

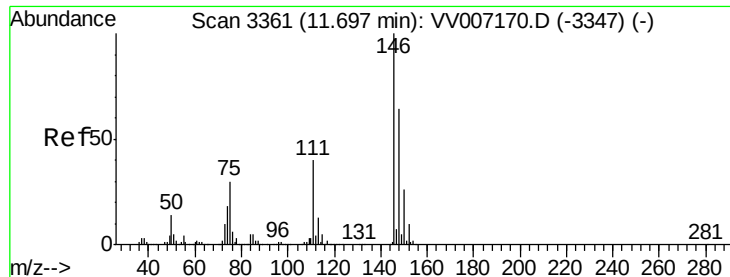
Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

148 63.8 44.7 82.9

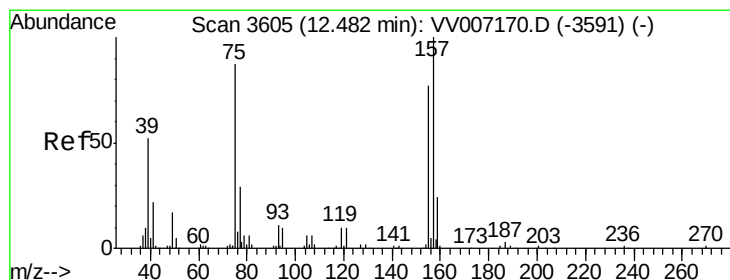
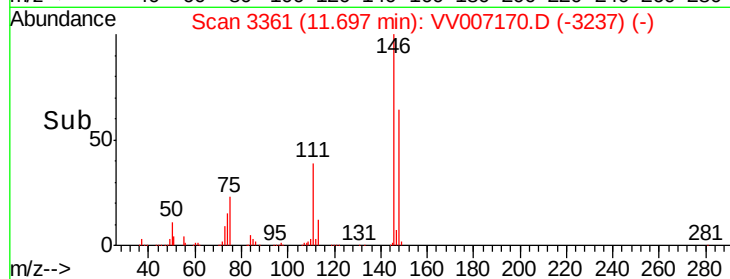
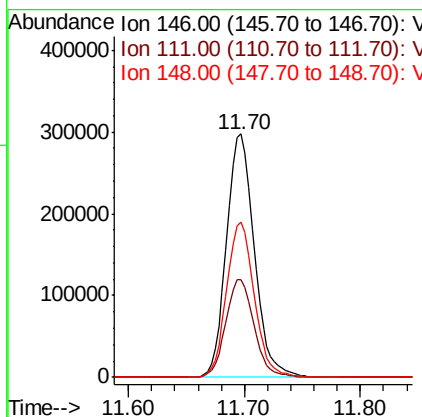
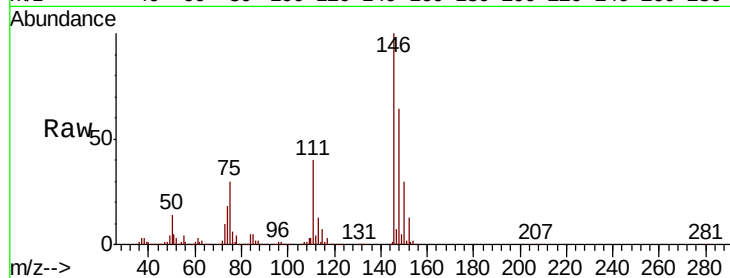




#65
 1,2-Dichlorobenzene
 Concen: 46.966 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

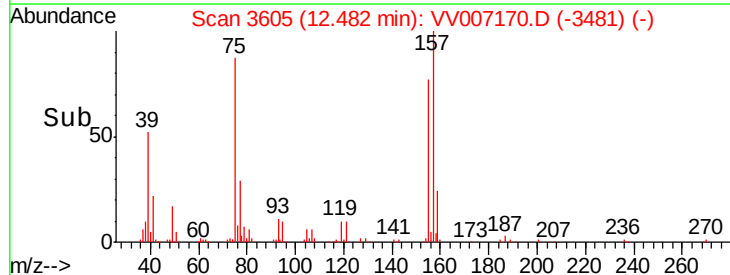
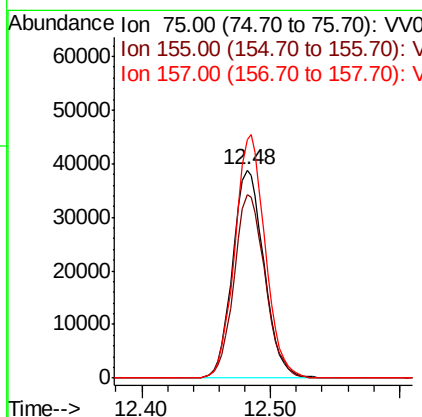
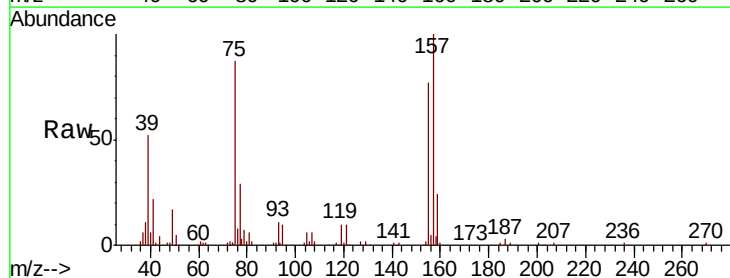
Instrument :
 MSVOA_V
 ClientSampleId :

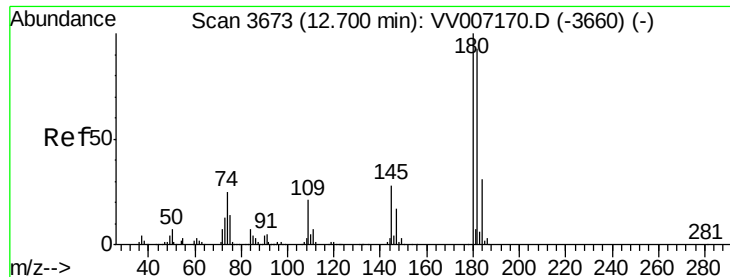
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.2	48.2
148	63.8	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.402 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	70.6	106.0
157	114.8	91.8	137.8

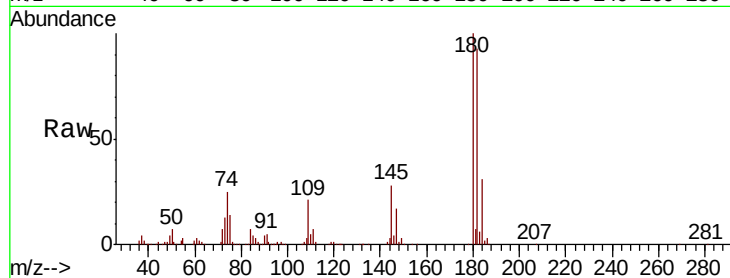




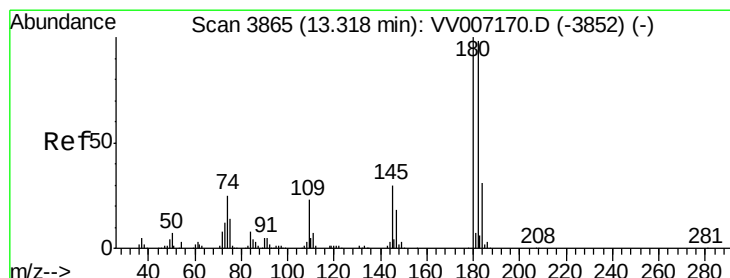
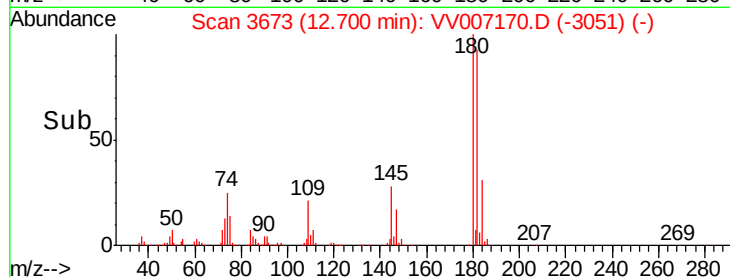
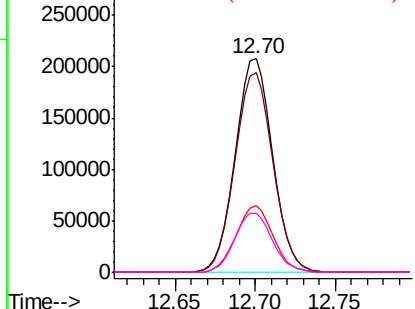
#67
 1,3,5-Trichlorobenzene
 Concen: 49.706 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	329873
Ion	Ratio	Lower Upper
180	100	
182	94.8	75.8 113.8
184	30.5	24.4 36.6
145	28.2	22.6 33.8

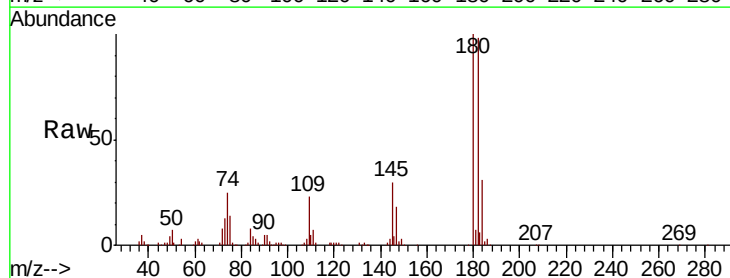


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

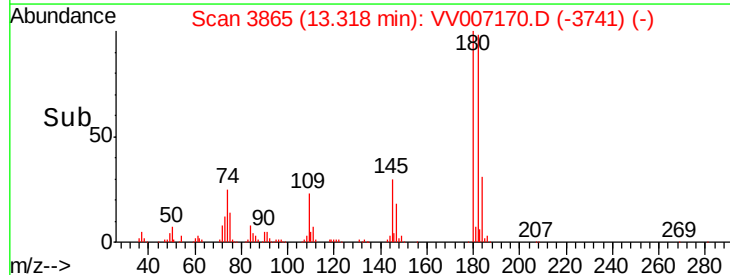
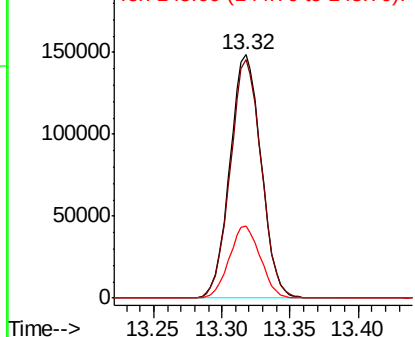


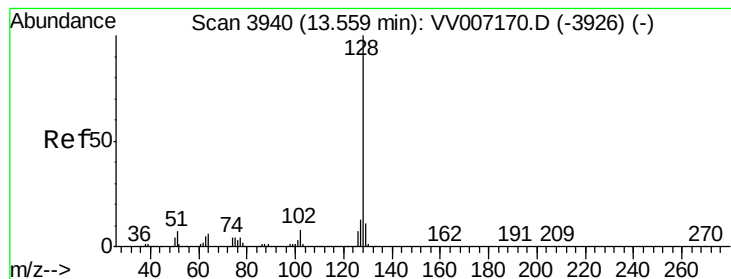
#68
 1,2,4-trichlorobenzene
 Concen: 52.234 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007170.D
 Acq: 24 Aug 2018 14:52

Tgt Ion:180	Resp:	236923
Ion	Ratio	Lower Upper
180	100	
182	97.0	77.6 116.4
145	29.3	23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.133 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

Instrument :

MSVOA_V

ClientSampleId :

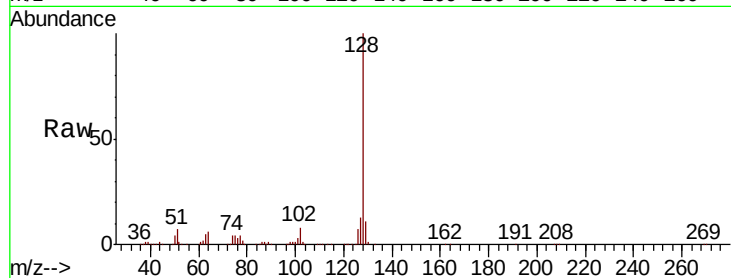
Tot Ion:128 Resp: 590583

Ion Ratio Lower Upper

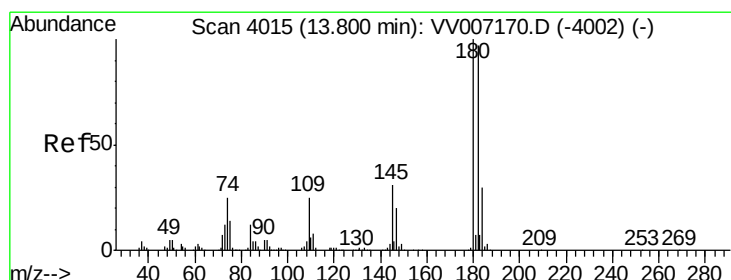
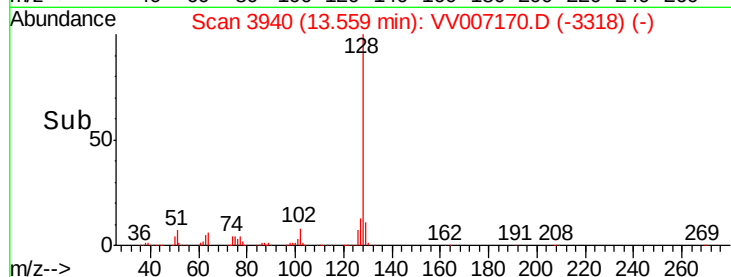
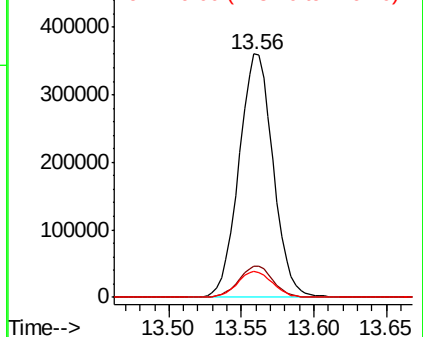
128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.501 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007170.D

Acq: 24 Aug 2018 14:52

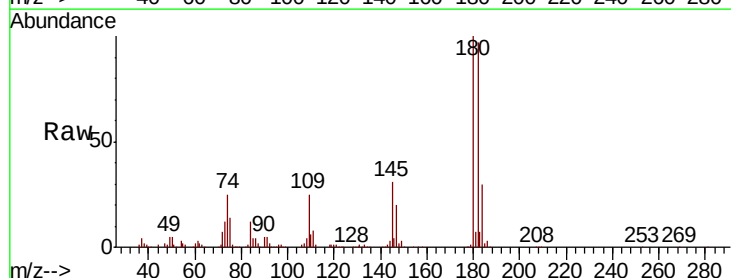
Tgt Ion:180 Resp: 263419

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 30.9 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

