

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012110.D
 Acq On : 06 Aug 2019 11:34
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 17:56:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 17:52:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	283045	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	263297	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	149635	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	317596	205.27	ug/L	0.00
7) Chloroethane-d5	1.55	69	205551	187.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	527272	196.57	ug/L	0.00
21) 2-Butanone-d5	3.92	46	477859	423.89	ug/L	0.00
24) Chloroform-d	4.40	84	761008	196.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	486677	195.15	ug/L	0.00
32) Benzene-d6	5.10	84	1462503	193.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	425682	193.94	ug/L	0.00
41) Toluene-d8	7.36	98	1429638	195.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	259112	207.64	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	400170	439.01	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	624512	201.88	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	663900	188.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	422751	211.463	ug/L	97
3) Chloromethane	1.25	50	283508	199.717	ug/L	97
5) Vinyl chloride	1.32	62	306871	223.961	ug/L	100
6) Bromomethane	1.51	94	167500	210.564	ug/L	98
8) Chloroethane	1.57	64	145709	203.050	ug/L	98
9) Trichlorofluoromethane	1.75	101	485551	217.950	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	234710	214.917	ug/L	100
12) 1,1-Dichloroethene	2.13	96	220926	214.833	ug/L	91
13) Acetone	2.19	43	296157	385.300	ug/L	99
14) Carbon disulfide	2.31	76	757729	218.042	ug/L	100
15) Methyl Acetate	2.45	43	296282	220.302	ug/L	99
16) Methylene chloride	2.53	84	329857	211.407	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	318309	219.208	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	1098171	220.093	ug/L	100
19) 1,1-Dichloroethane	3.22	63	572259	216.105	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	372416	217.742	ug/L	95
22) 2-Butanone	4.01	43	454748	459.068	ug/L	100
23) Bromochloromethane	4.29	128	202778	215.608	ug/L	99
25) Chloroform	4.42	83	649365	216.337	ug/L	99
27) 1,2-Dichloroethane	5.17	62	512177	219.542	ug/L	98
29) Cyclohexane	4.72	56	475977	216.189	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	612660	219.049	ug/L	99
31) Carbon tetrachloride	4.87	117	571540	220.271	ug/L	98
33) Benzene	5.14	78	1304521	215.234	ug/L	100
34) Trichloroethene	5.96	95	366125	217.333	ug/L	99
35) Methylcyclohexane	6.17	83	544838	217.291	ug/L	99
37) 1,2-Dichloropropane	6.22	63	321680	217.596	ug/L	99
38) Bromodichloromethane	6.55	83	505750	217.465	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	586559	225.047	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	857784	450.828	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012110.D
 Acq On : 06 Aug 2019 11:34
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 17:56:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 17:52:34 2019
 Response via : Initial Calibration

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

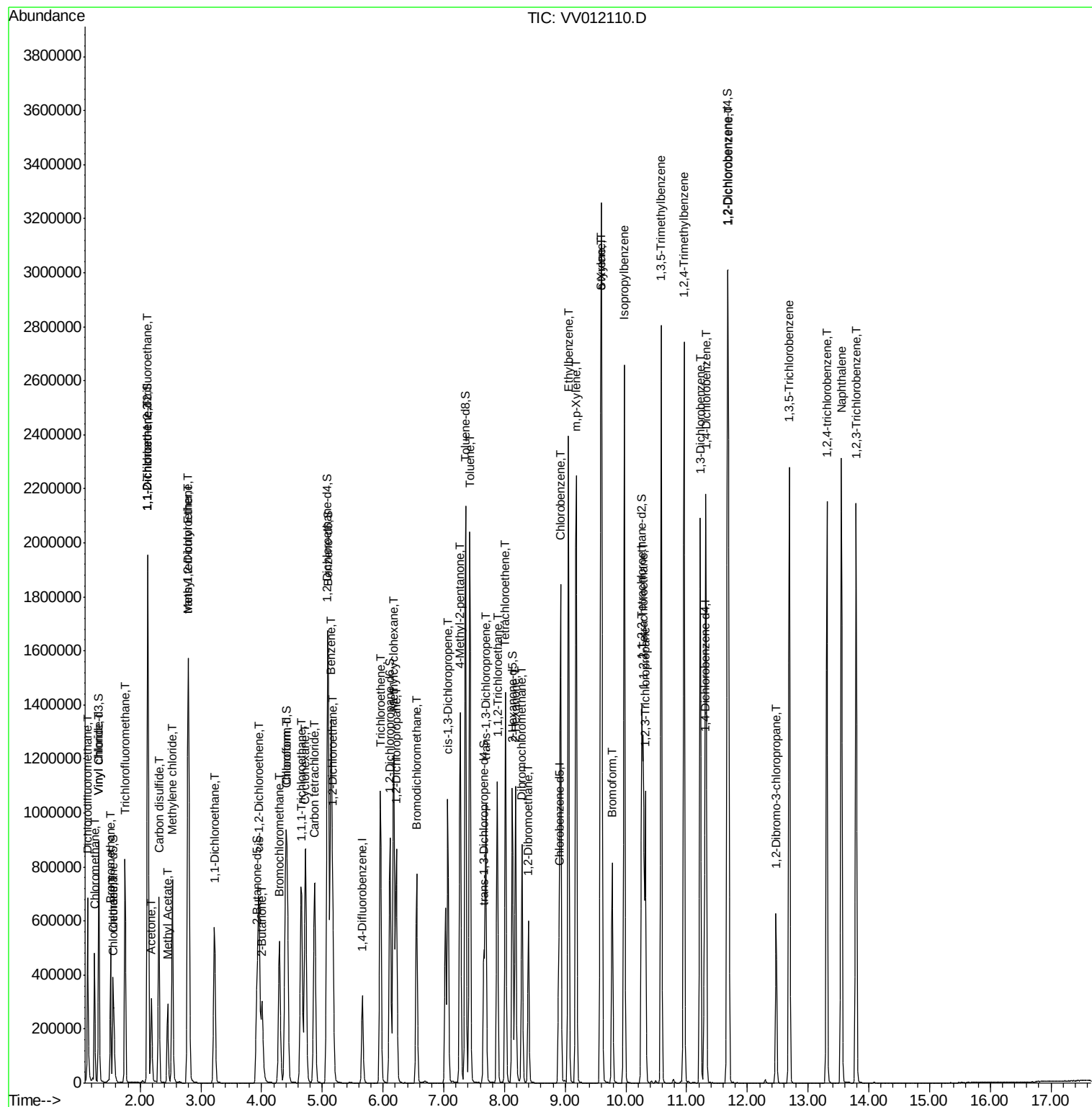
42) Toluene	7.43	91	1459917	216.777	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	555750	225.881	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	347191	217.868	ug/L	97
46) Tetrachloroethene	8.02	164	335769	213.920	ug/L	99
48) 2-Hexanone	8.18	43	669224	466.533	ug/L	99
49) Dibromochloromethane	8.29	129	464066	224.410	ug/L	99
50) 1,2-Dibromoethane	8.40	107	387474	219.856	ug/L	98
51) Chlorobenzene	8.92	112	988304	217.660	ug/L	100
52) Ethylbenzene	9.05	91	1660791	219.781	ug/L	99
53) m,p-Xylene	9.18	106	646016	221.612	ug/L	95
54) o-Xylene	9.59	106	632451	218.640	ug/L	100
55) Styrene	9.60	104	1096205	224.959	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	558087	227.733	ug/L	100
59) Bromoform	9.77	173	384445	219.030	ug/L	100
60) Isopropylbenzene	9.97	105	1714369	209.288	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	427725	210.505	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	1490132	212.311	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	1499933	212.693	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	878577	212.572	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	894656	214.150	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	905521	214.730	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	151248	225.861	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	754072	225.066	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	692342	238.325	ug/L	100
71) Naphthalene	13.55	128	1873501	254.455	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	694170	237.451	ug/L	99

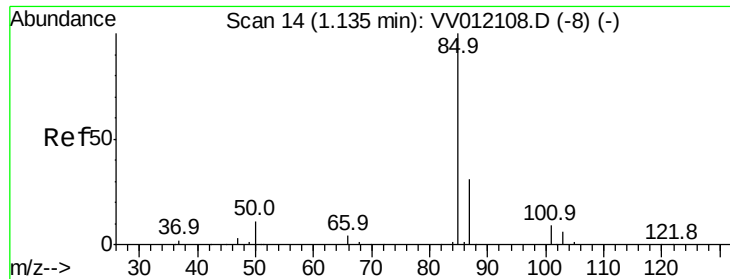
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV080619\
Data File : VV012110.D
Acq On : 06 Aug 2019 11:34
Operator : SY/MD
Sample : VSTD20067
Misc : 5mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Aug 06 17:56:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 06 17:52:34 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 211.463 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

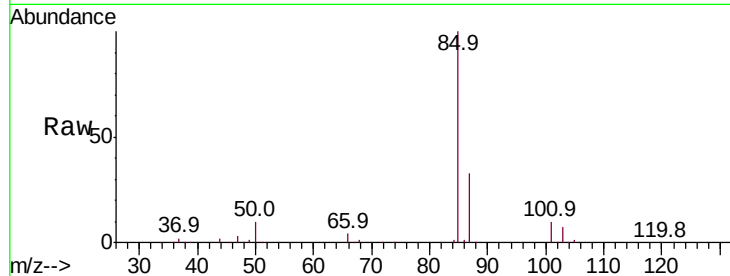
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 422751

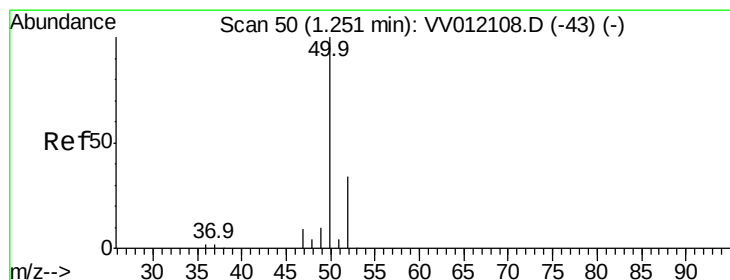
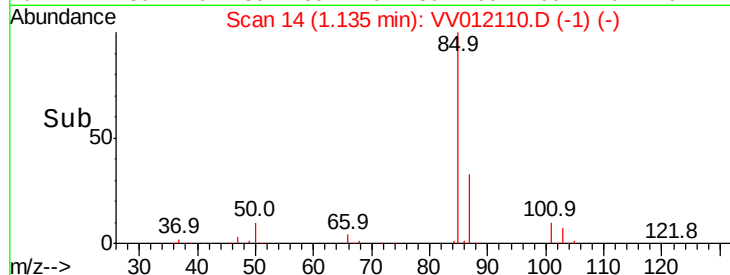
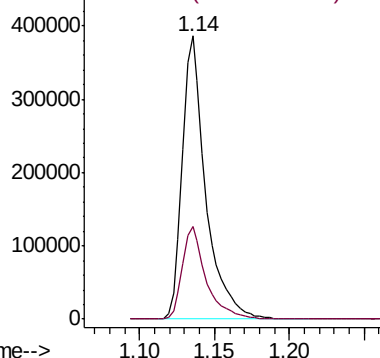
Ion Ratio Lower Upper

85 100

87 33.0 25.3 37.9



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



#3

Chloromethane

Concen: 199.717 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV012110.D

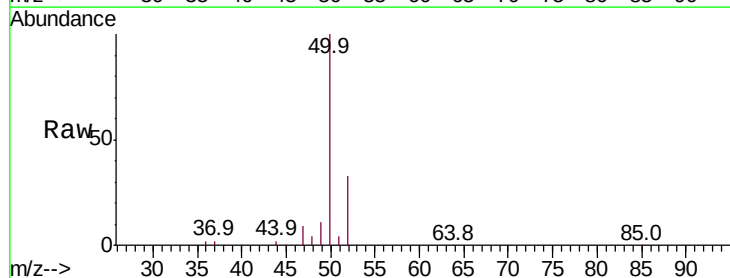
Acq: 06 Aug 2019 11:34

Tgt Ion: 50 Resp: 283508

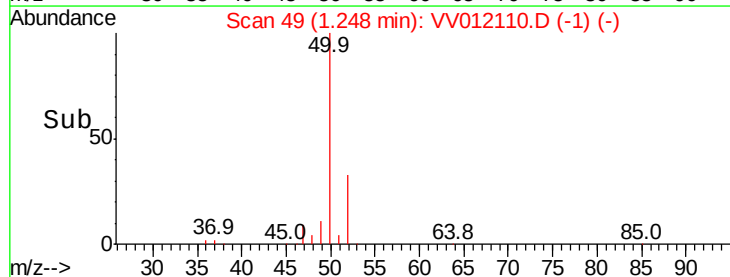
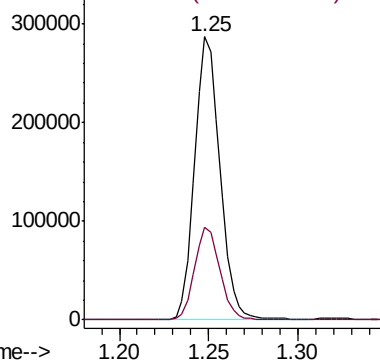
Ion Ratio Lower Upper

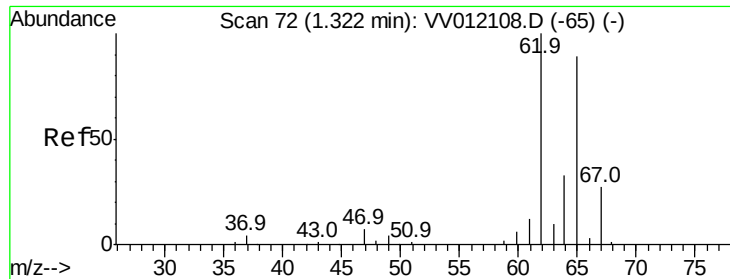
50 100

52 32.6 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 223.961 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

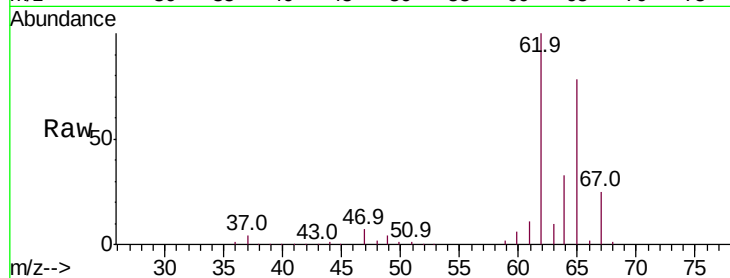
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 306871

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV012110.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV012110.D (-65) (-)

1.32

300000

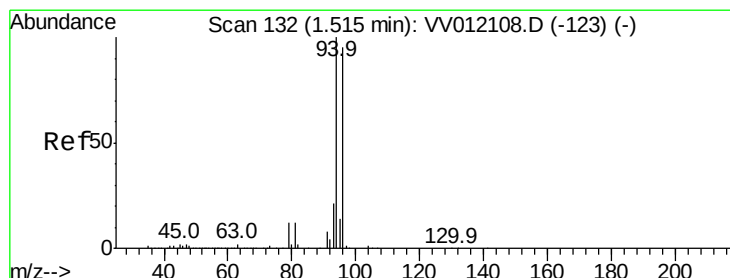
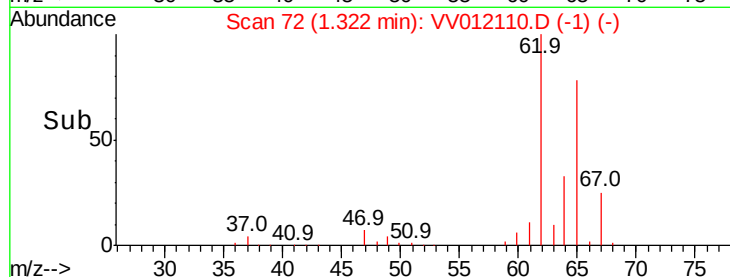
200000

100000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 210.564 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV012110.D

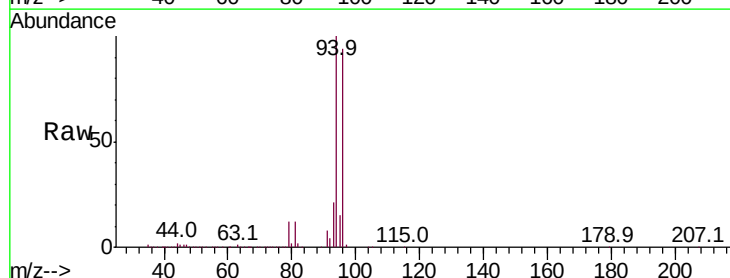
Acq: 06 Aug 2019 11:34

Tgt Ion: 94 Resp: 167500

Ion Ratio Lower Upper

94 100

96 93.8 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV012110.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV012110.D (-123) (-)

1.51

200000

150000

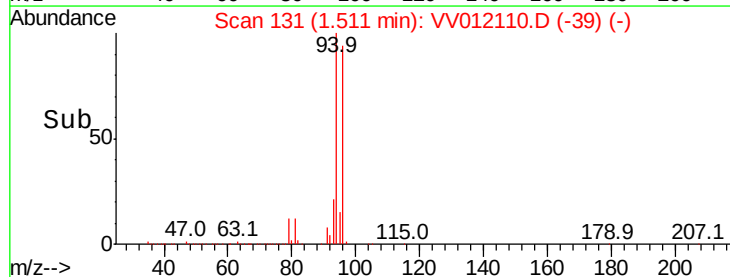
100000

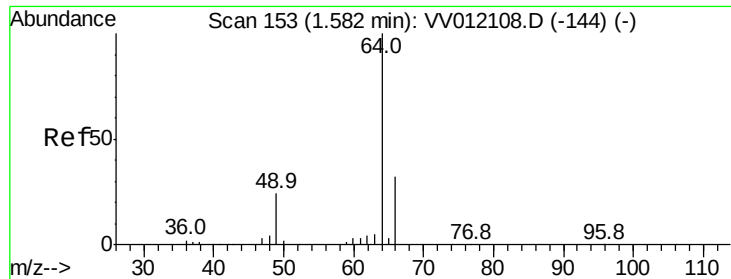
50000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 203.050 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.01 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

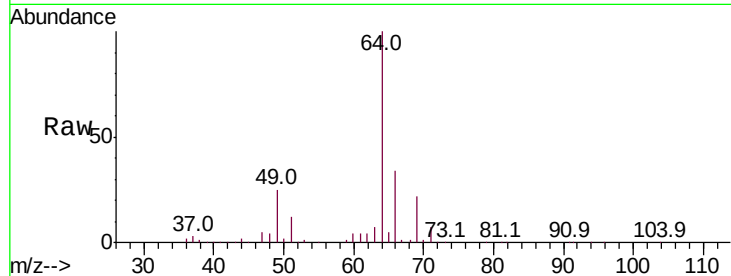
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 145709

Ion Ratio Lower Upper

64 100

66 33.5 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012110.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV012110.D (-144) (-)

1.57

120000

100000

80000

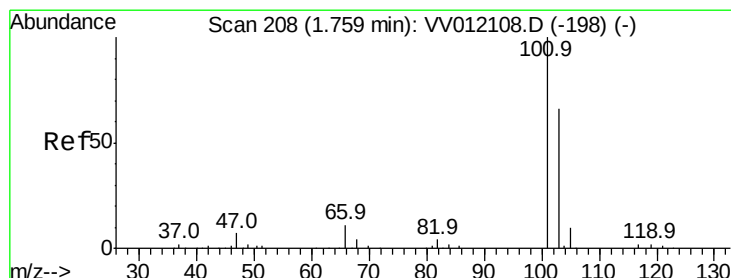
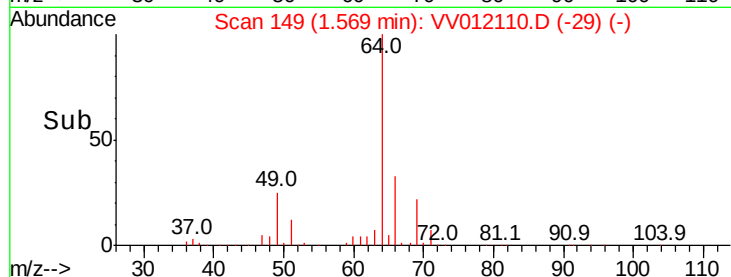
60000

40000

20000

0

Time--> 1.50 1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 217.950 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV012110.D

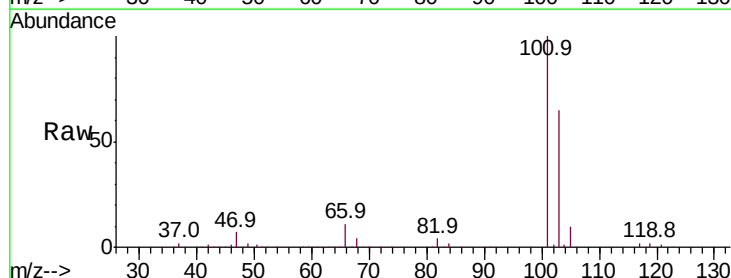
Acq: 06 Aug 2019 11:34

Tgt Ion:101 Resp: 485551

Ion Ratio Lower Upper

101 100

103 65.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012110.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV012110.D (-198) (-)

1.75

400000

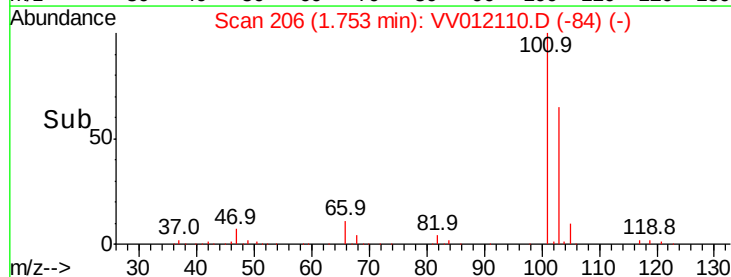
300000

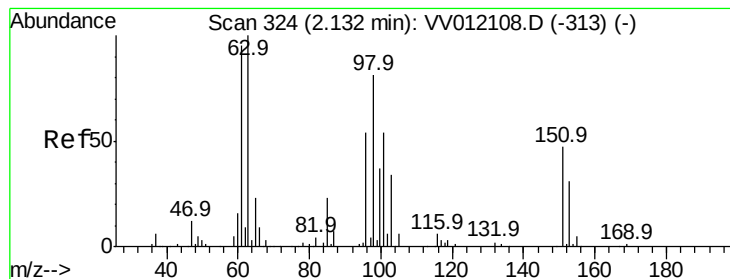
200000

100000

0

Time--> 1.70 1.75 1.80





#10

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

Concen: 214.917 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :

MSVOA_V

ClientSampled :

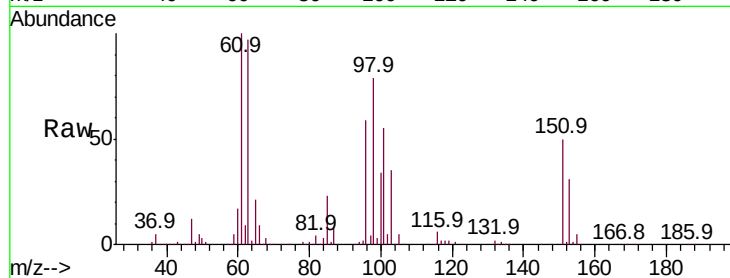
Tot Ion:101 Resp: 234710

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

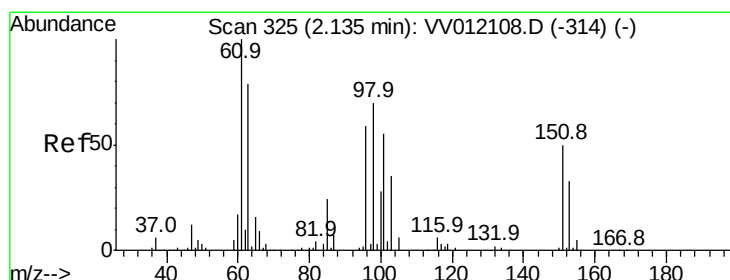
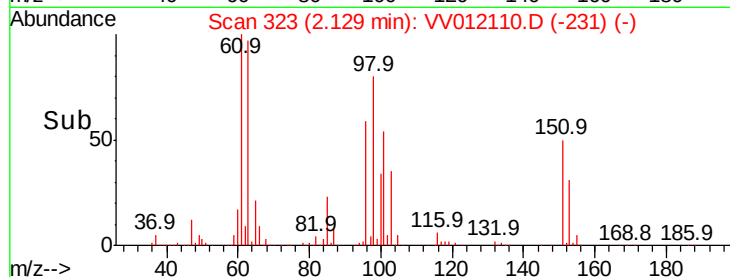
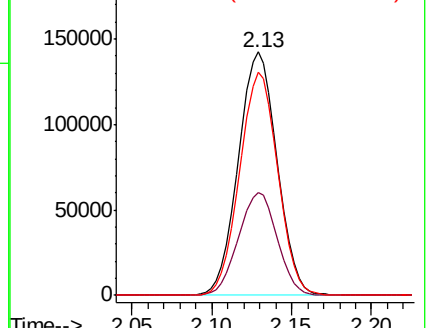
151 90.4 72.2 108.2



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: 214.833 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

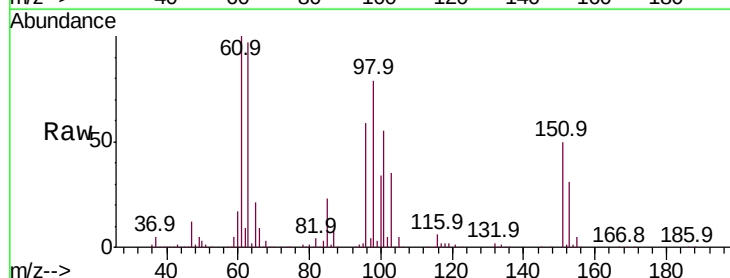
Tgt Ion: 96 Resp: 220926

Ion Ratio Lower Upper

96 100

61 169.1 120.0 223.0

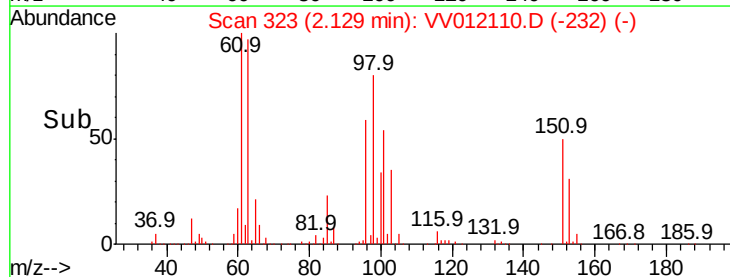
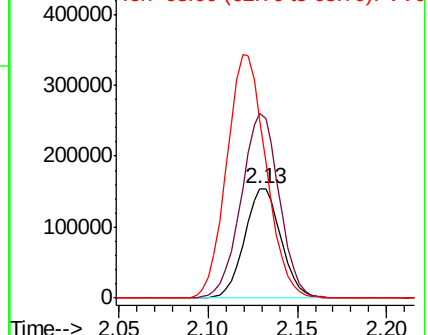
63 163.3 98.3 182.7

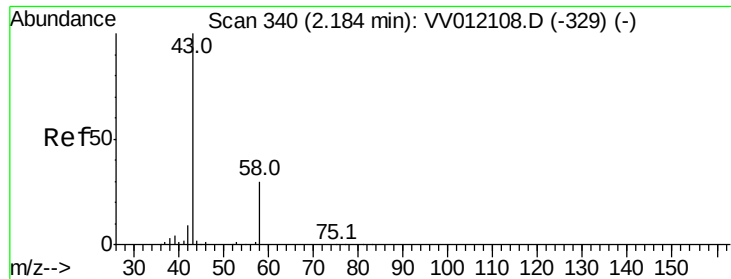


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 385.300 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

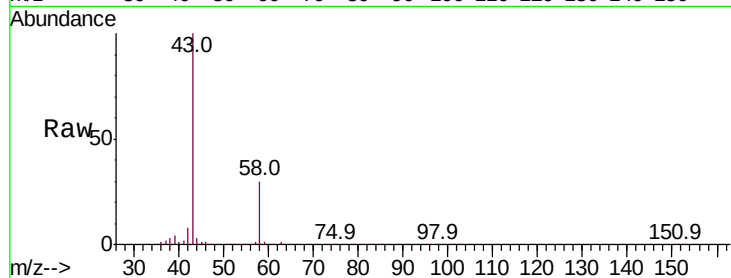
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 296157

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV012108.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012108.D (-329) (-)

2.19

200000

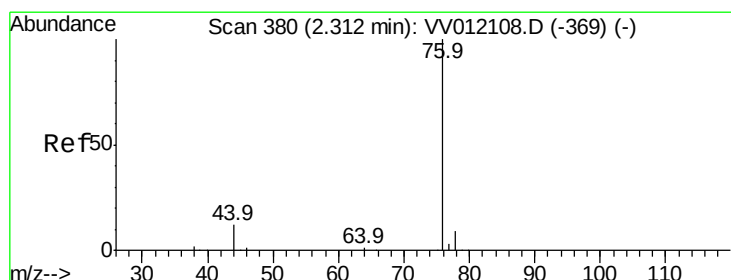
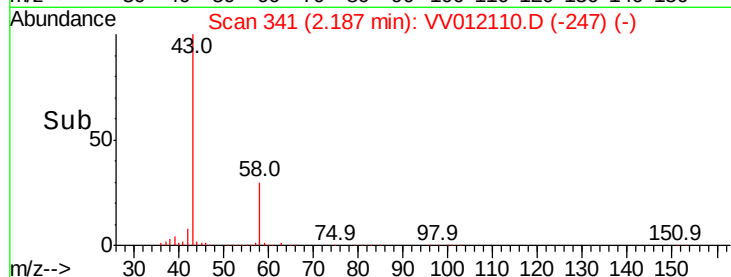
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 218.042 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV012110.D

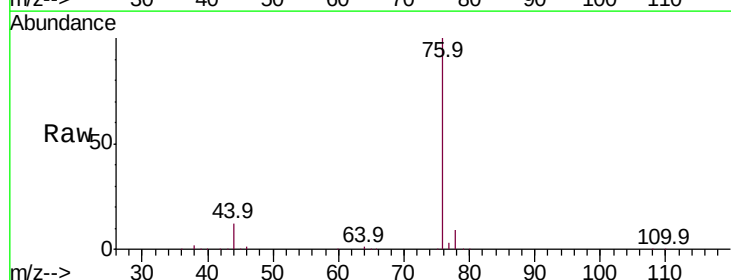
Acq: 06 Aug 2019 11:34

Tgt Ion: 76 Resp: 757729

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012108.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012108.D (-369) (-)

2.31

600000

500000

400000

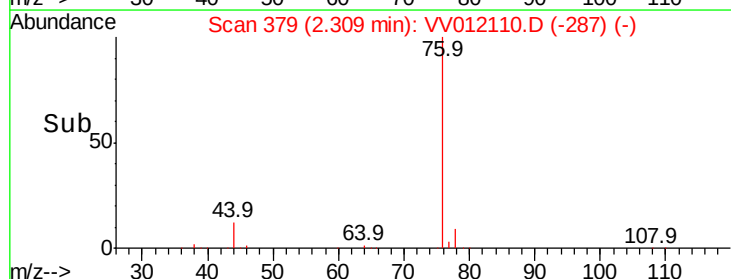
300000

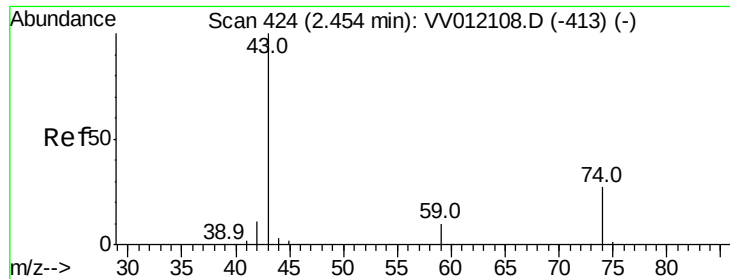
200000

100000

0

Time--> 2.25 2.30 2.35

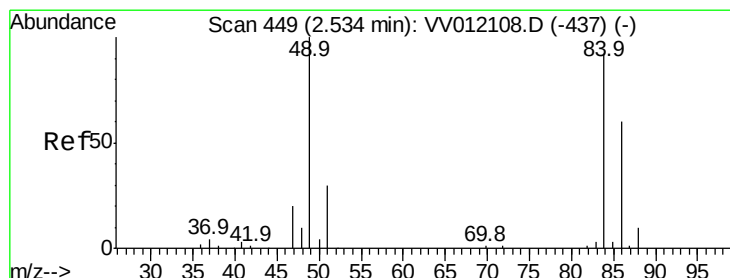
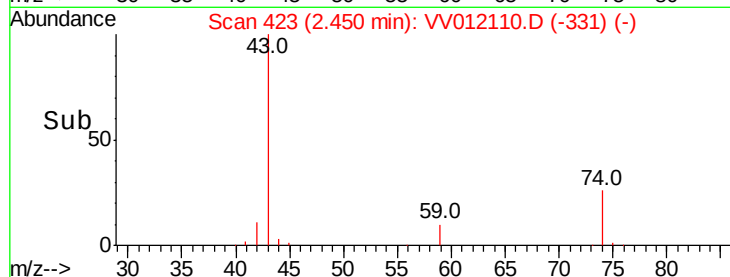
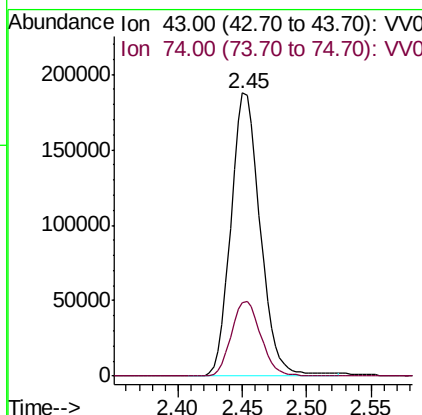
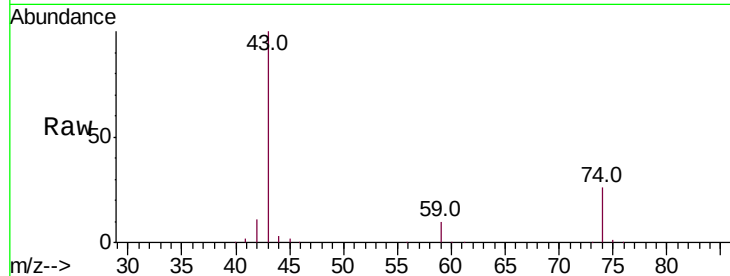




#15
Methvl Acetate
Concen: 220.302 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

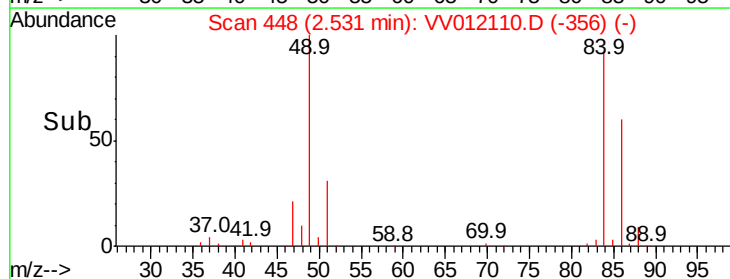
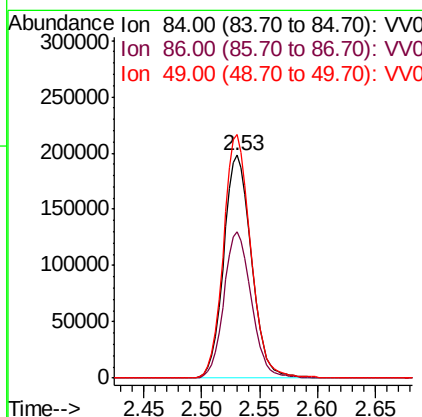
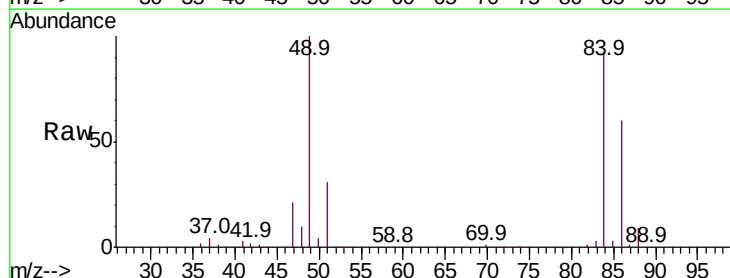
Instrument :
MSVOA_V
ClientSampleId :

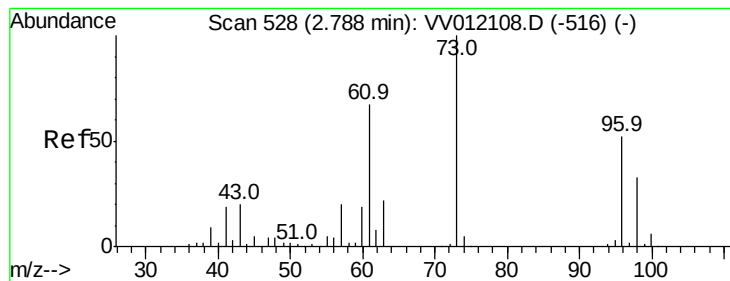
Tot Ion: 43 Resp: 296282
Ion Ratio Lower Upper
43 100
74 26.7 21.8 32.6



#16
Methylene chloride
Concen: 211.407 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Tgt Ion: 84 Resp: 329857
Ion Ratio Lower Upper
84 100
86 65.5 45.7 84.9
49 109.2 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 219.208 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

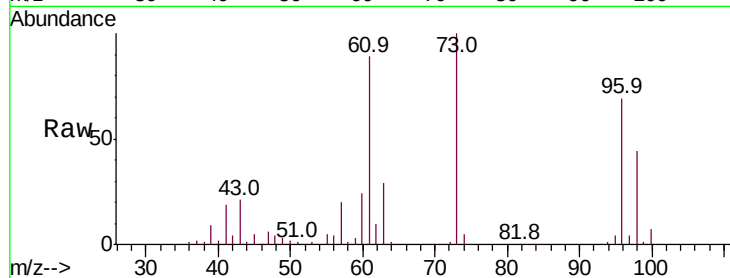
Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 318309

Ion	Ratio	Lower	Upper
96	100		
61	129.2	90.6	168.3
98	63.6	44.2	82.2

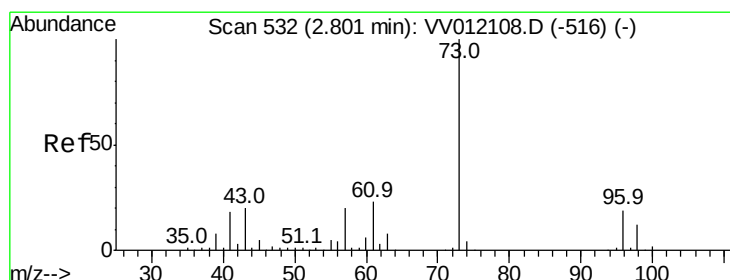
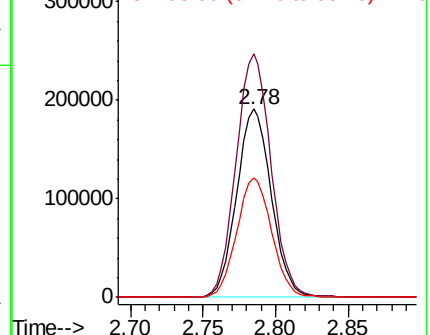
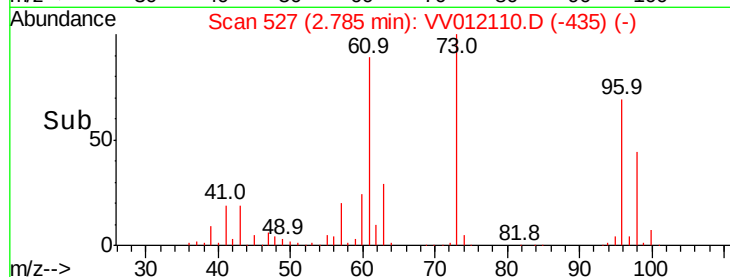


Abundance

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: 220.093 ug/L

RT: 2.80 min Scan# 532

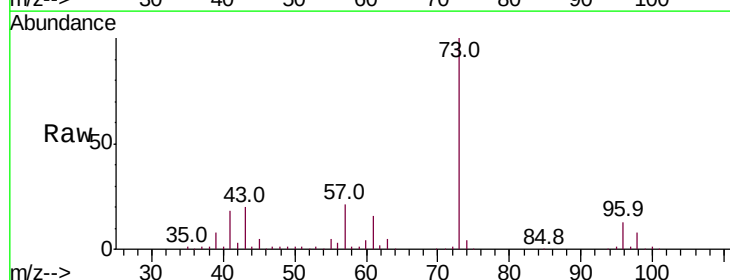
Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Tgt Ion: 73 Resp: 1098171

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.6	23.4
57	20.3	16.0	24.0

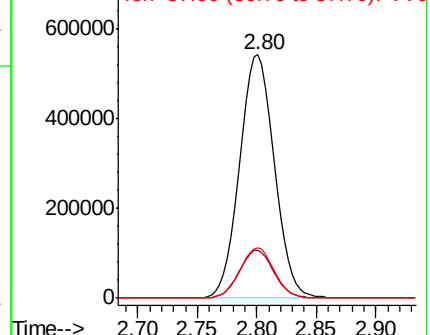
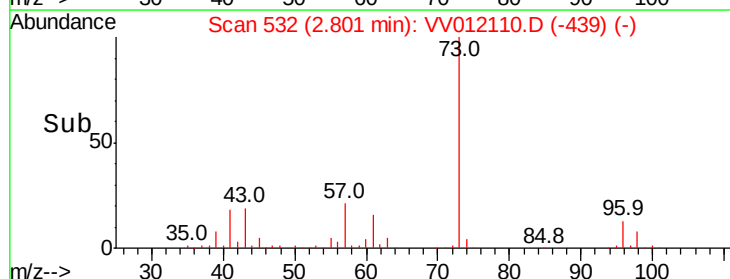


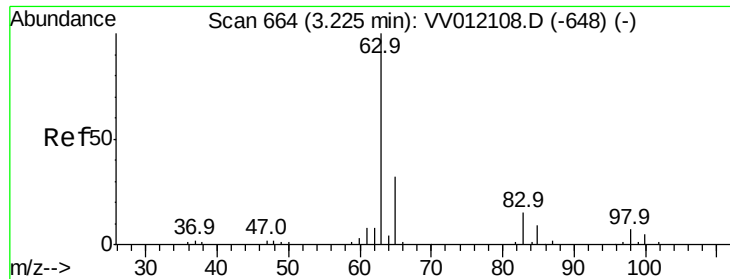
Abundance

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



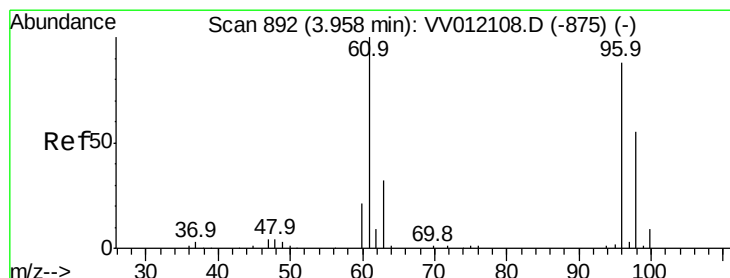
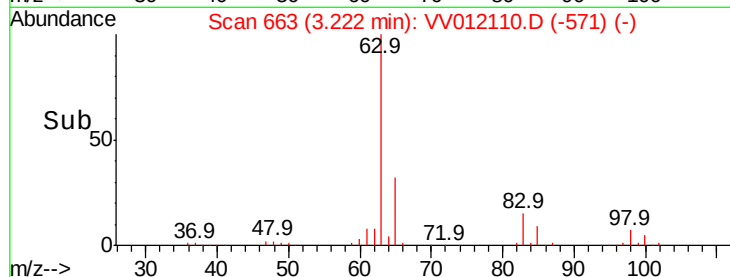
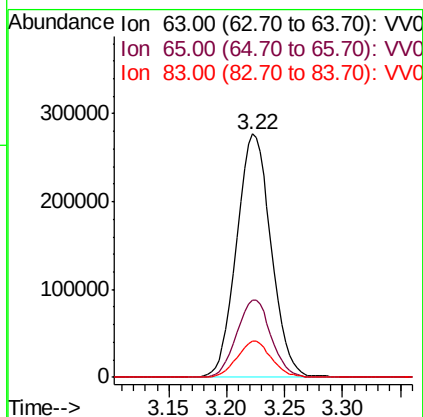
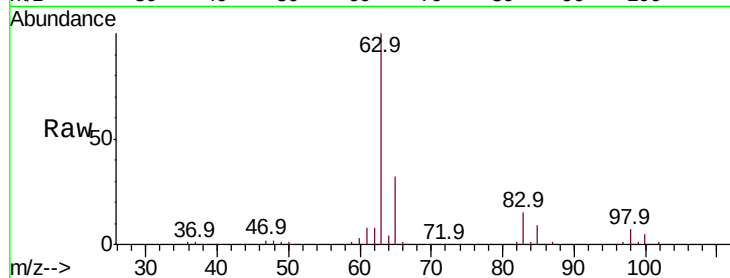


#19
 1,1-Dichloroethane
 Concen: 216.105 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 572259

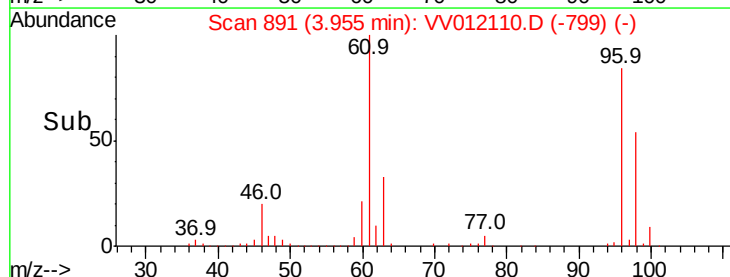
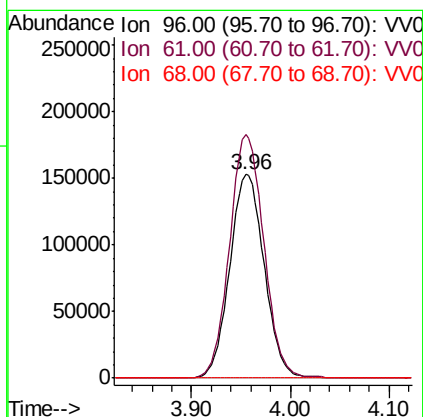
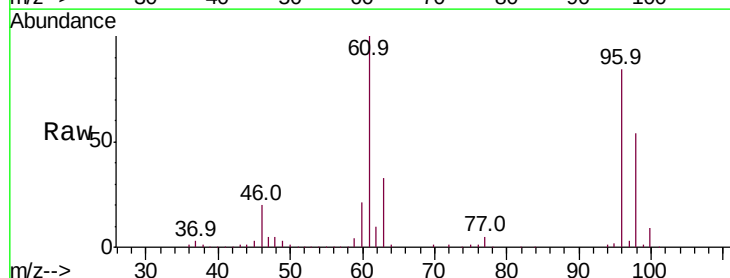
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.3	41.3
83	14.7	10.3	19.1

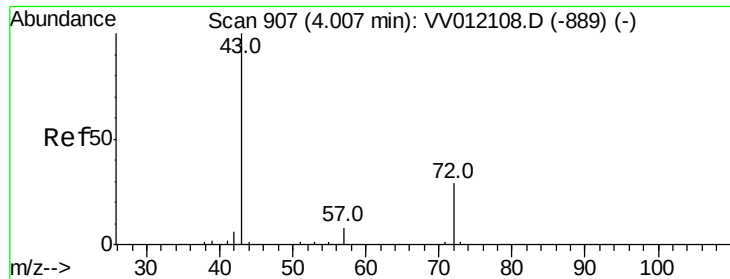


#20
 cis-1,2-Dichloroethene
 Concen: 217.742 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion: 96 Resp: 372416

Ion	Ratio	Lower	Upper
96	100		
61	119.7	80.0	148.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 459.068 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

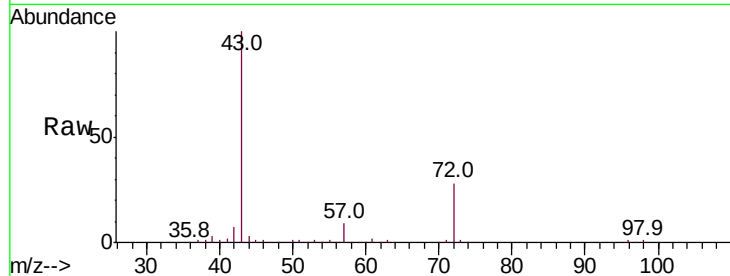
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 454748

Ion Ratio Lower Upper

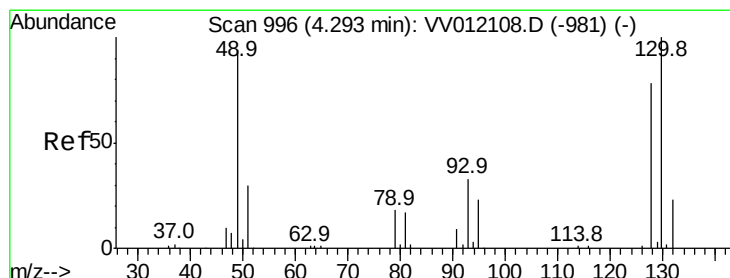
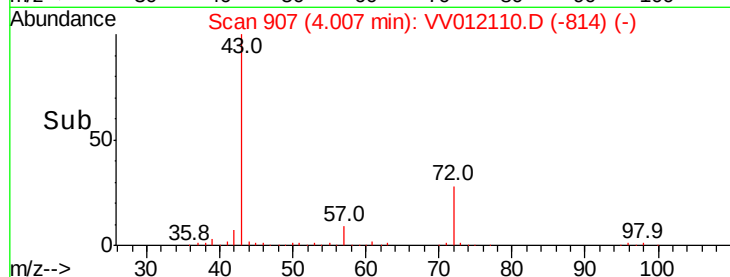
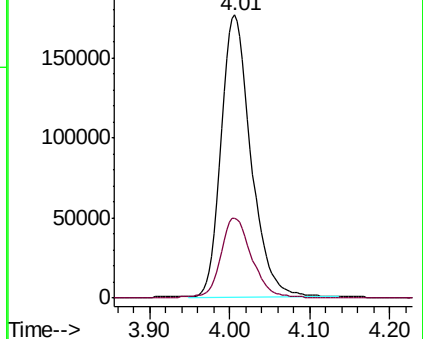
43 100

72 29.9 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV012110.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VV012110.D (-814) (-)



#23

Bromochloromethane

Concen: 215.608 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Tgt Ion: 128 Resp: 202778

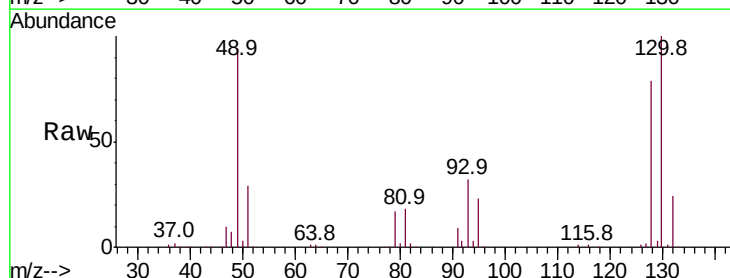
Ion Ratio Lower Upper

128 100

49 119.2 84.6 157.2

130 127.3 89.9 167.0

51 37.4 30.5 45.7

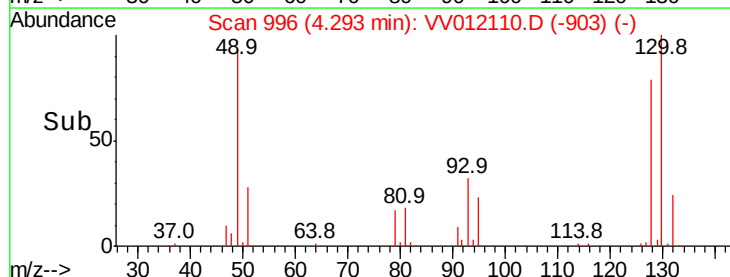
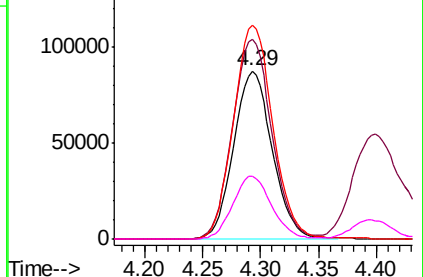


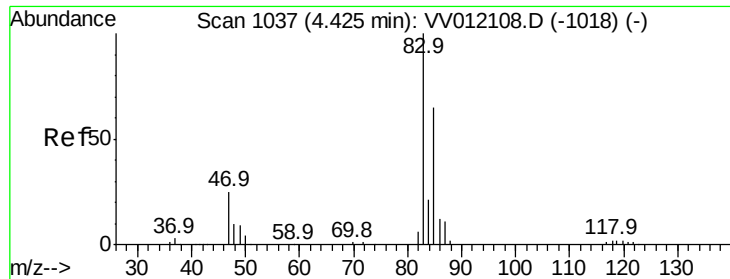
Abundance Ion 128.00 (127.70 to 128.70): VV012110.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV012110.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV012110.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV012110.D (-903) (-)

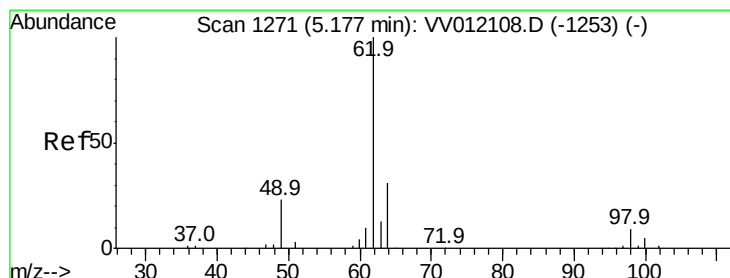
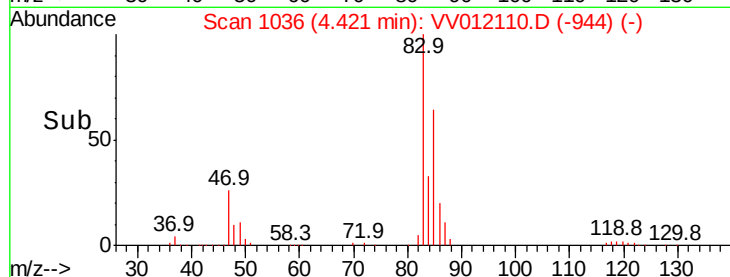
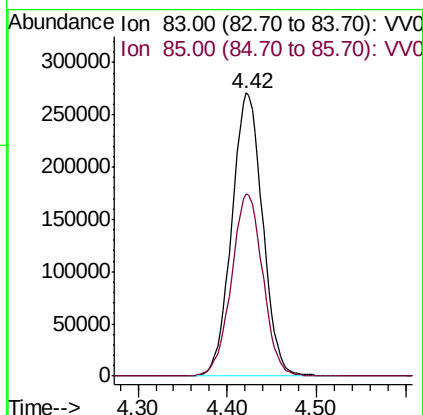
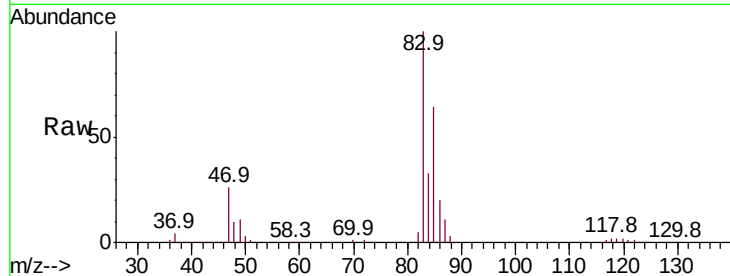




#25
Chloroform
Concen: 216.337 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

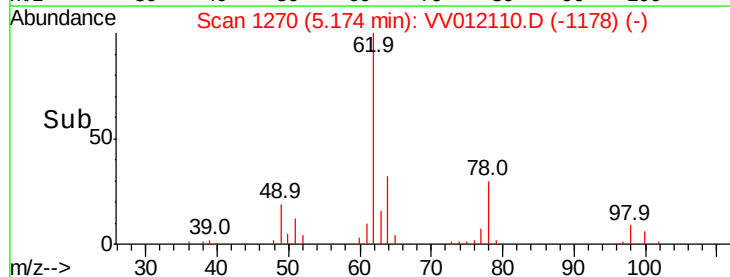
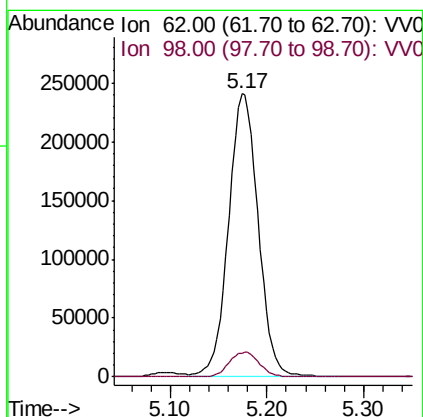
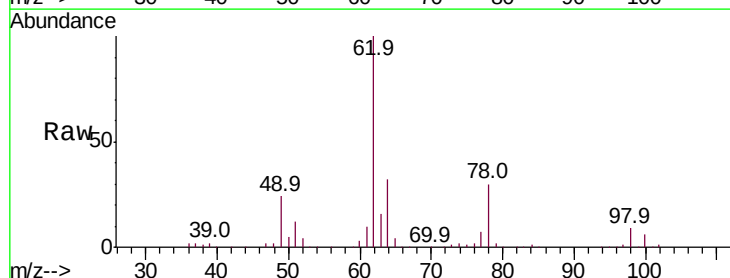
Instrument :
MSVOA_V
ClientSampleId :

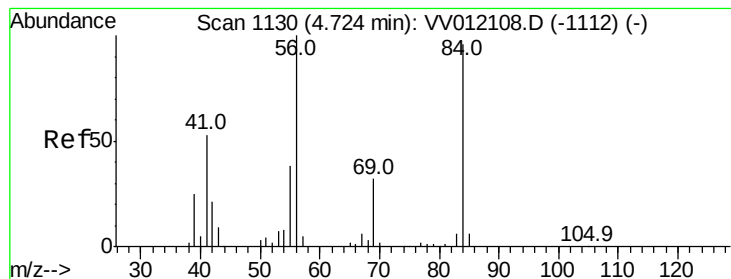
Tot Ion: 83 Resp: 649365
Ion Ratio Lower Upper
83 100
85 64.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 219.542 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Tgt Ion: 62 Resp: 512177
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3





#29

Cyclohexane

Concen: 216.189 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :
MSVOA_V
ClientSampled :

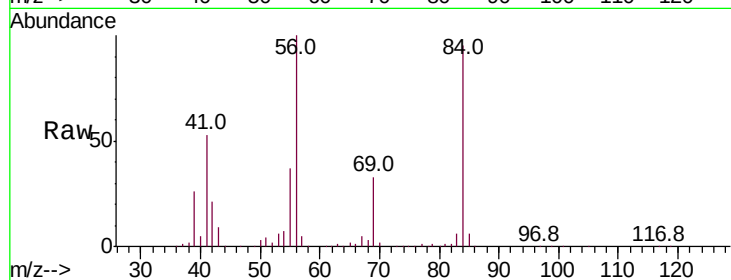
Tot Ion: 56 Resp: 475977

Ion Ratio Lower Upper

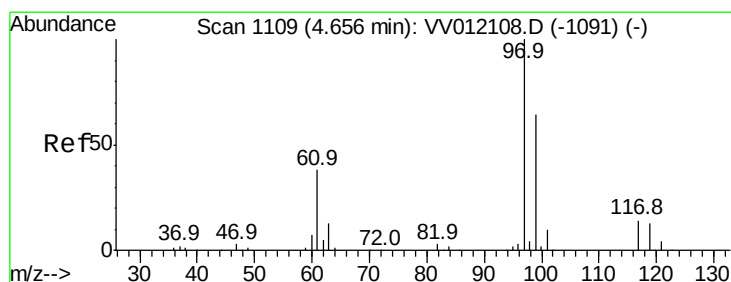
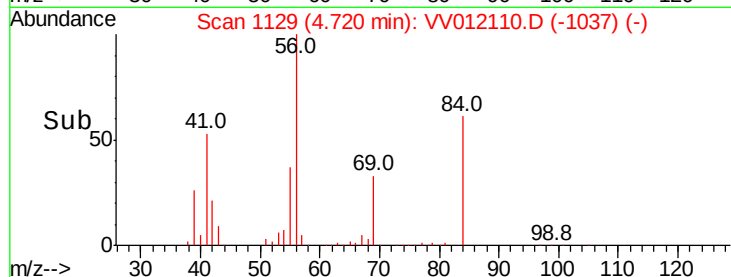
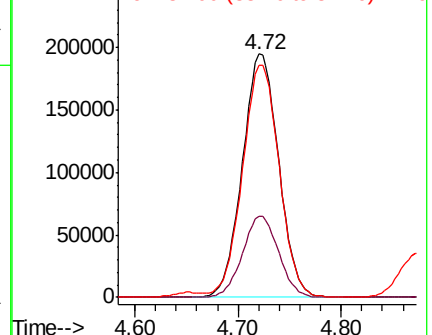
56 100

69 33.2 25.8 38.8

84 96.1 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 219.049 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

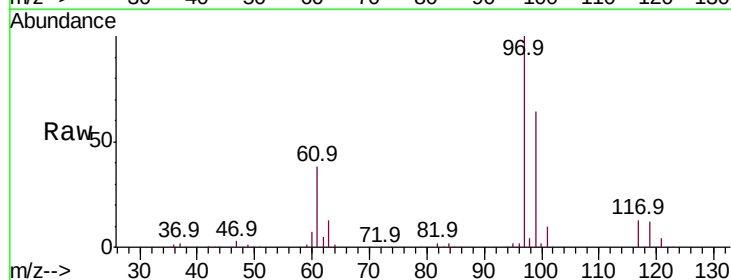
Tgt Ion: 97 Resp: 612660

Ion Ratio Lower Upper

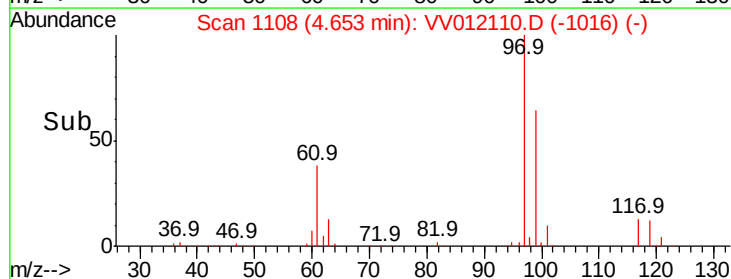
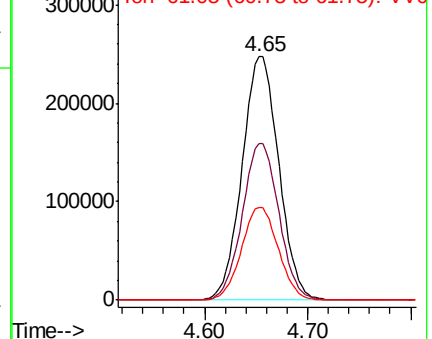
97 100

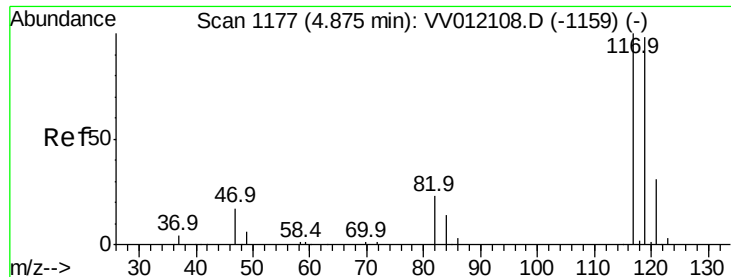
99 64.1 51.1 76.7

61 38.2 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

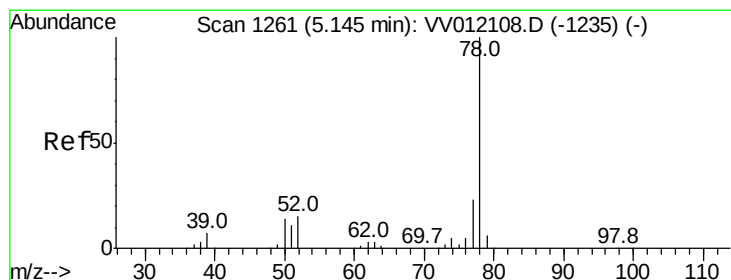
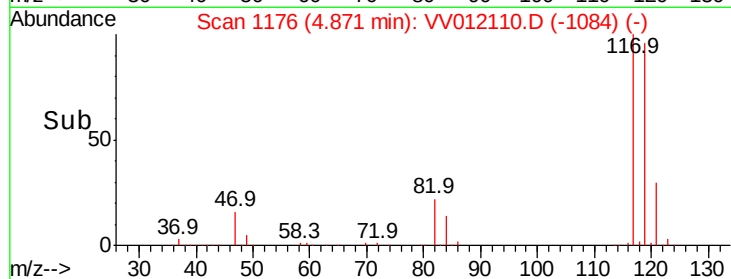
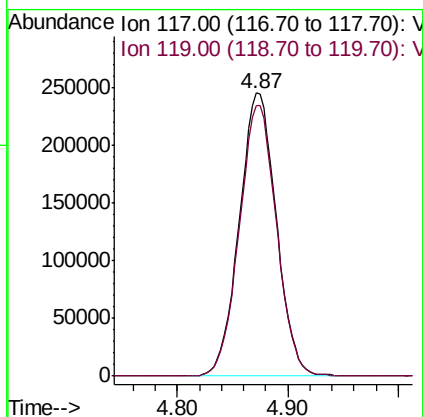
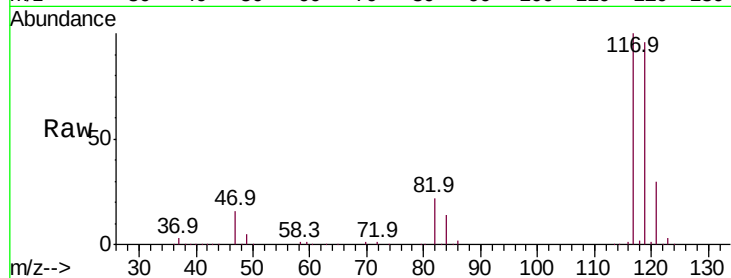




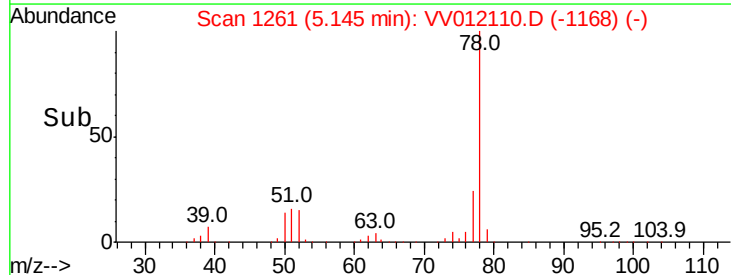
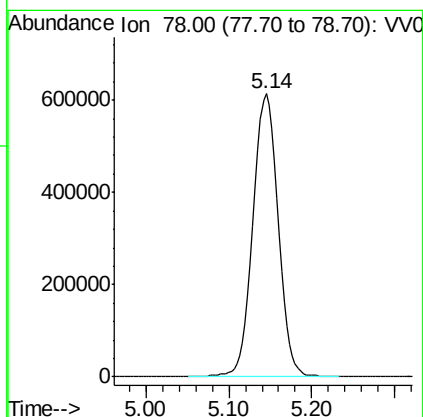
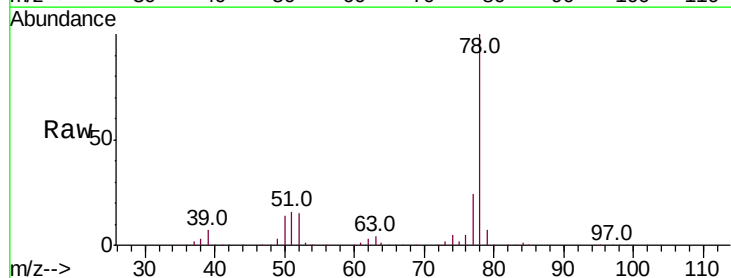
#31
Carbon tetrachloride
Concen: 220.271 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

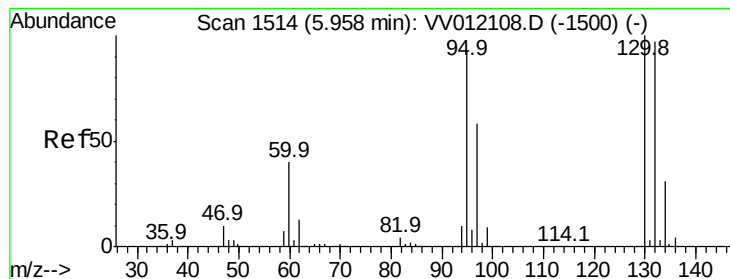
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 571540
Ion Ratio Lower Upper
117 100
119 96.3 78.2 117.4



#33
Benzene
Concen: 215.234 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34
Tgt Ion: 78 Resp: 1304521





#34

Trichloroethene

Concen: 217.333 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 366125

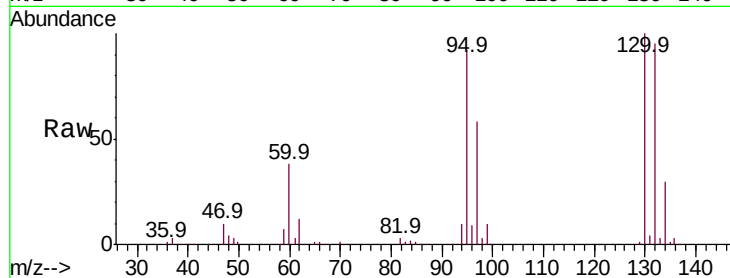
Ion Ratio Lower Upper

95 100

97 63.5 43.4 80.6

132 103.4 73.1 135.8

130 108.7 75.3 139.8

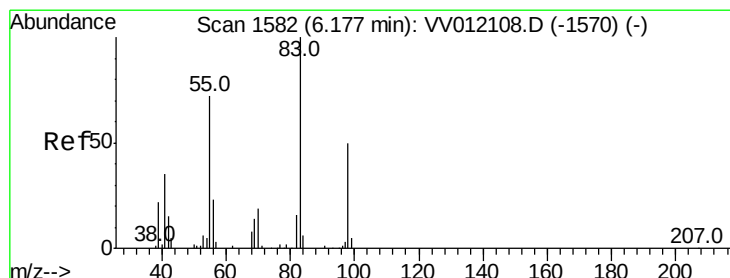
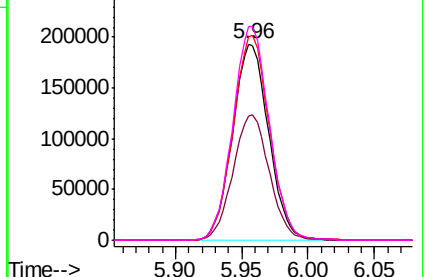
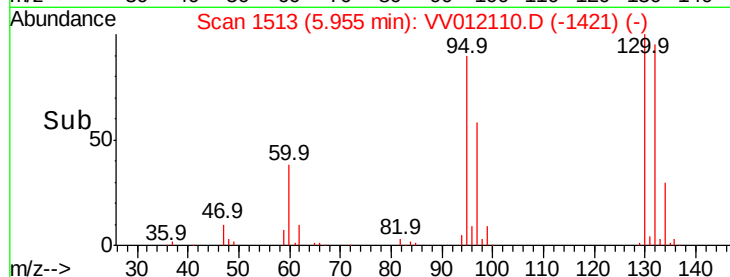


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 217.291 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

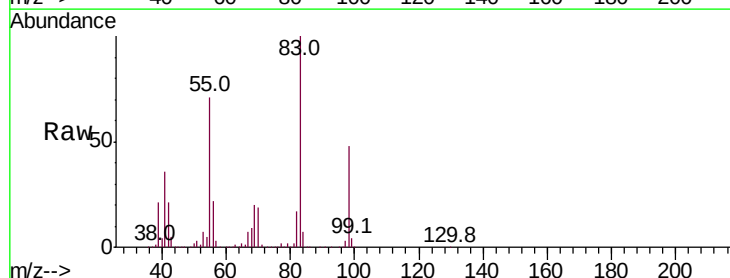
Tgt Ion: 83 Resp: 544838

Ion Ratio Lower Upper

83 100

55 70.6 55.5 83.3

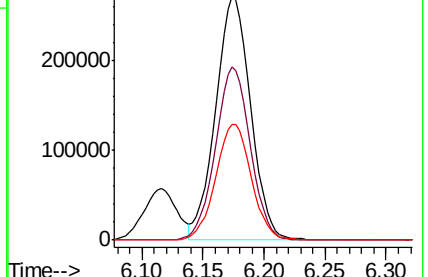
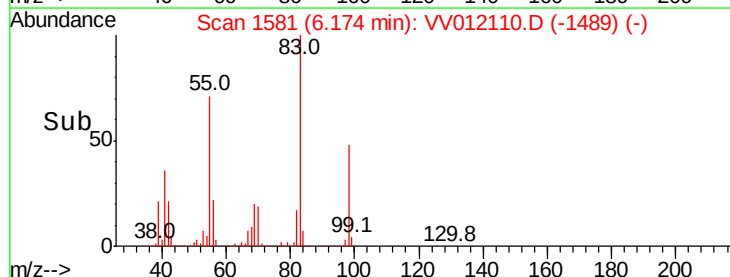
98 48.5 38.5 57.7

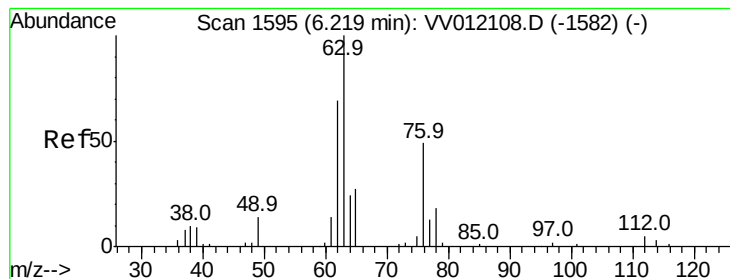


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 217.596 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

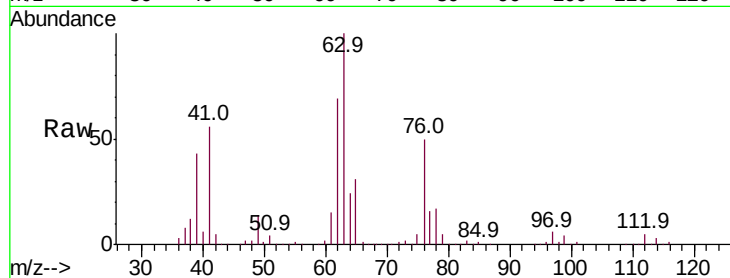
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 321680

Ion Ratio Lower Upper

63 100

112 4.9 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV012110.D (-1502) (-)

Ion 112.00 (111.70 to 112.70): VV012110.D (-1502) (-)

6.22

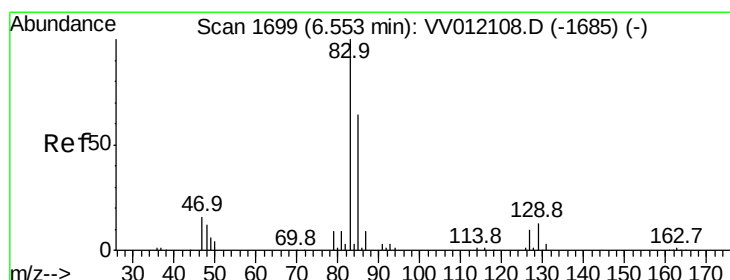
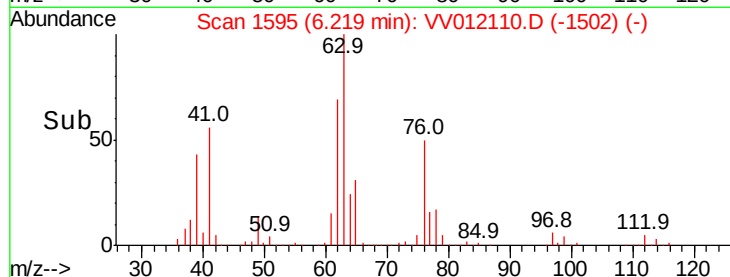
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 217.465 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

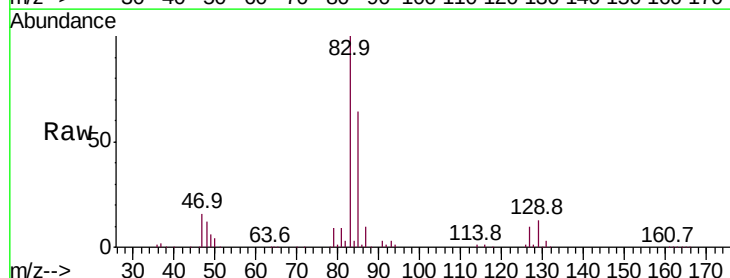
Tgt Ion: 83 Resp: 505750

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

127 9.8 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV012110.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012110.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VV012110.D (-1606) (-)

6.55

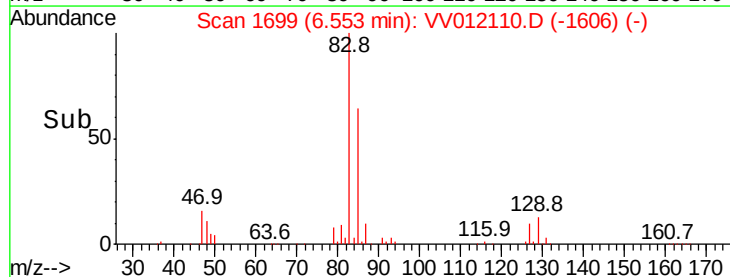
300000

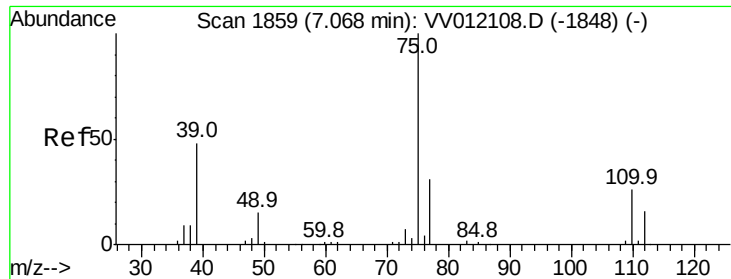
200000

100000

0

Time-->

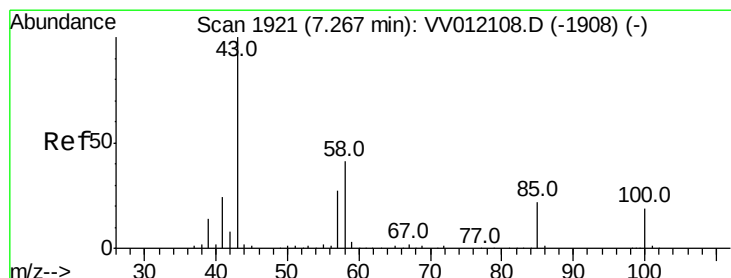
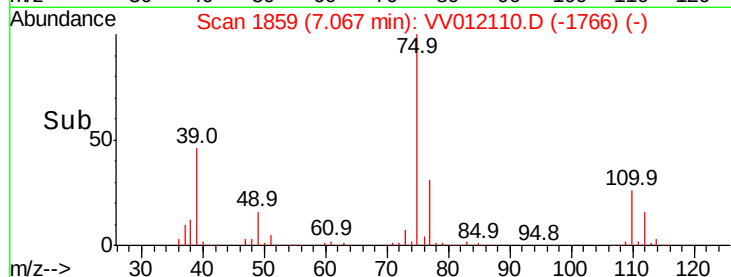
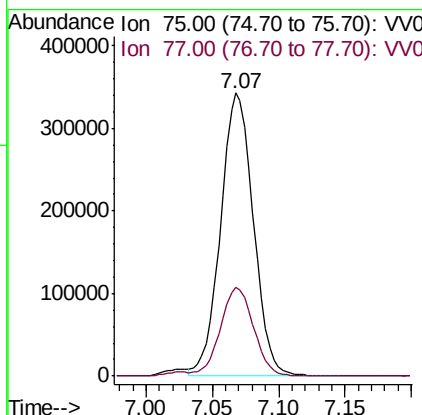
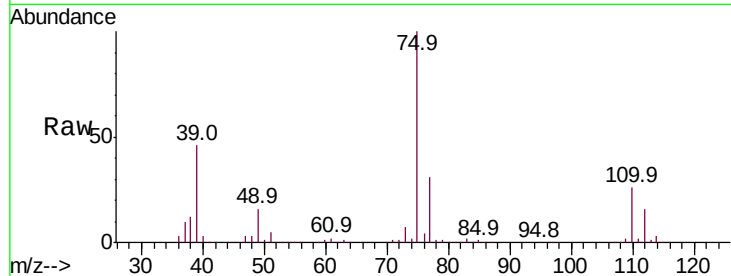




#39
 cis-1,3-Dichloropropene
 Concen: 225.047 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

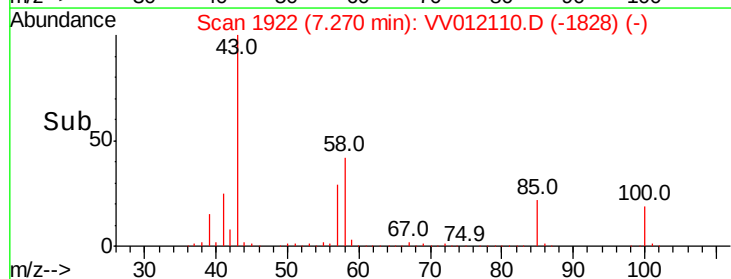
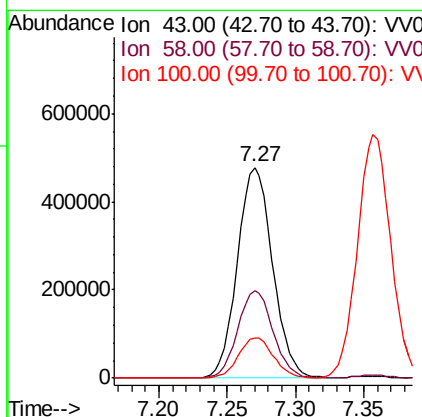
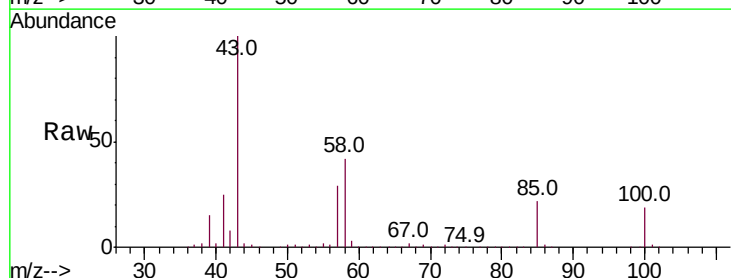
Instrument :
 MSVOA_V
 ClientSampleId :

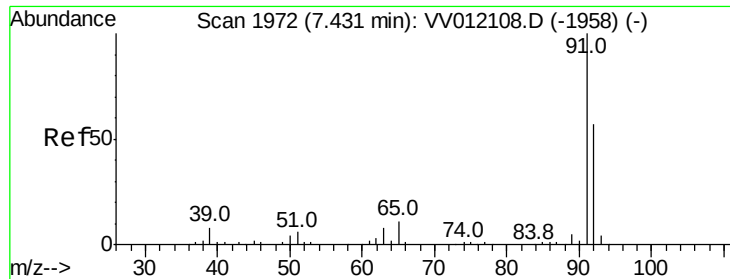
Tot Ion: 75 Resp: 586559
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 450.828 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion: 43 Resp: 857784
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.2
 100 19.0 15.0 22.4





#42

Toluene

Concen: 216.777 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

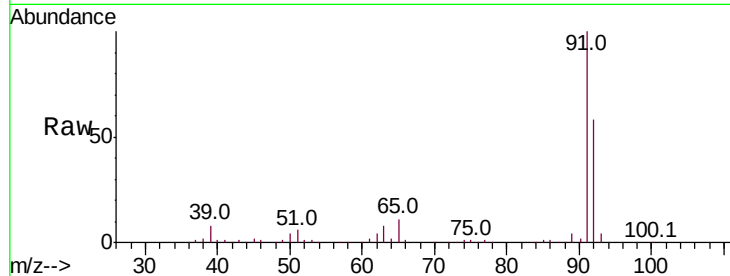
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1459917

Ion Ratio Lower Upper

91 100

92 58.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV012110.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VV012110.D (-1879) (-)

7.43

800000

600000

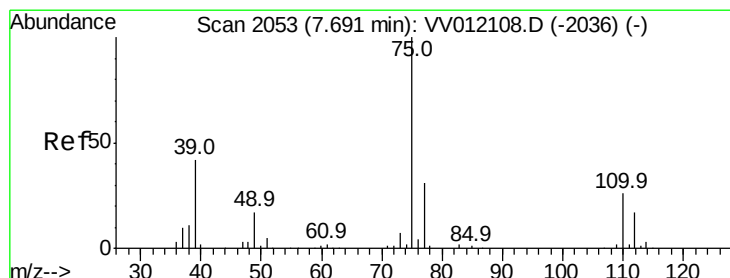
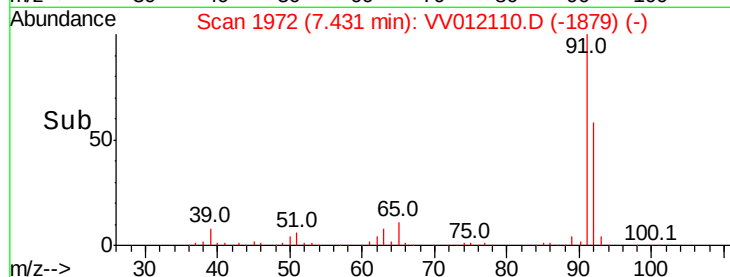
400000

200000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 225.881 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012110.D

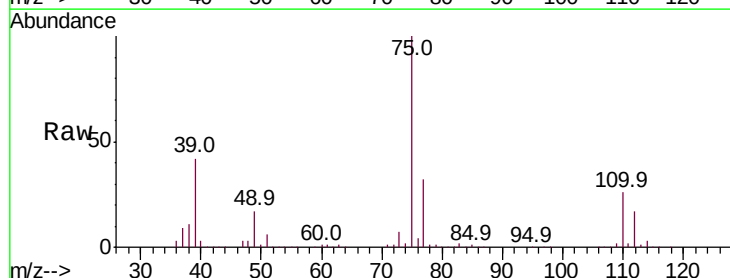
Acq: 06 Aug 2019 11:34

Tgt Ion: 75 Resp: 555750

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV012110.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV012110.D (-1960) (-)

7.69

400000

300000

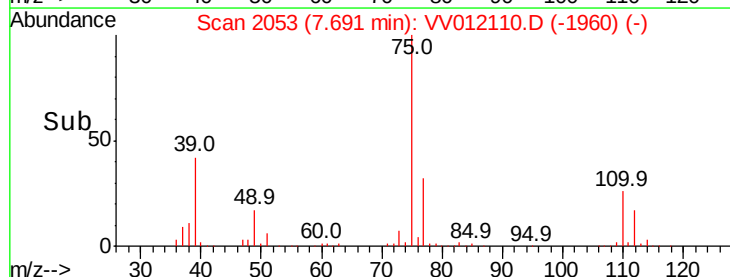
200000

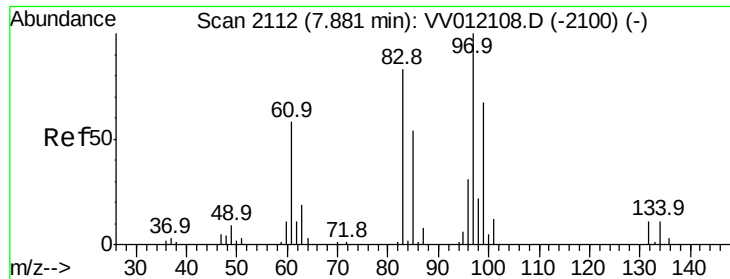
100000

0

7.60 7.70 7.80

Time-->

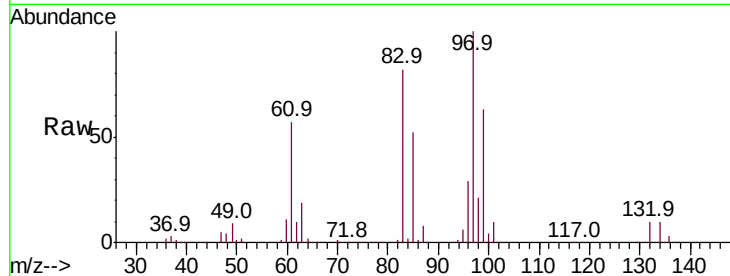




#45
1,1,2-Trichloroethane
Concen: 217.868 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	347191
Ion	Ratio	Lower	Upper
97	100		
99	63.4	47.2	87.6
83	81.9	58.0	107.6
85	52.3	38.0	70.6



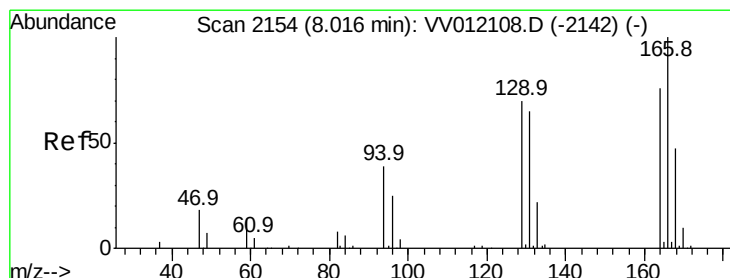
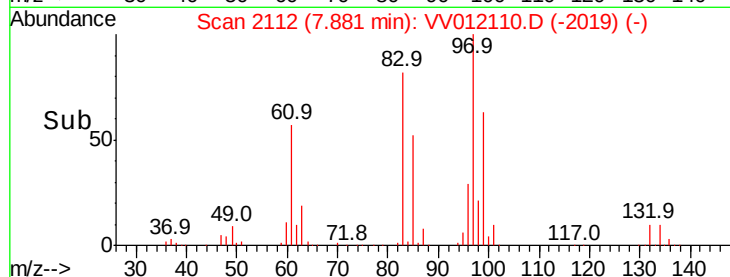
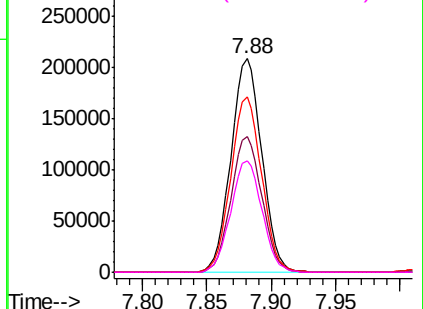
Abundance

Ion 97.00 (96.70 to 97.70): VV012110.D (-2019) (-)

Ion 99.00 (98.70 to 99.70): VV012110.D (-2019) (-)

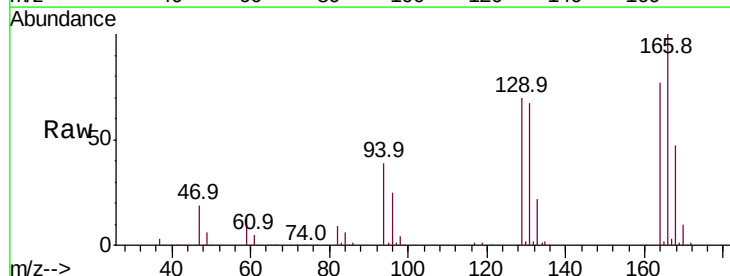
Ion 83.00 (82.70 to 83.70): VV012110.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012110.D (-2019) (-)



#46
Tetrachloroethene
Concen: 213.920 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Tgt Ion:	164	Resp:	335769
Ion	Ratio	Lower	Upper
164	100		
129	90.4	64.3	119.5
131	86.7	60.1	111.7
166	129.1	91.8	170.6



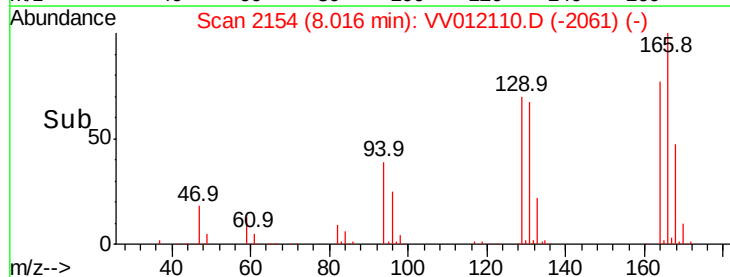
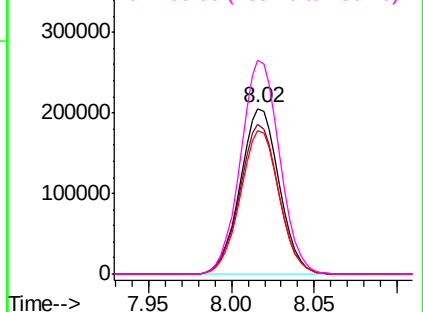
Abundance

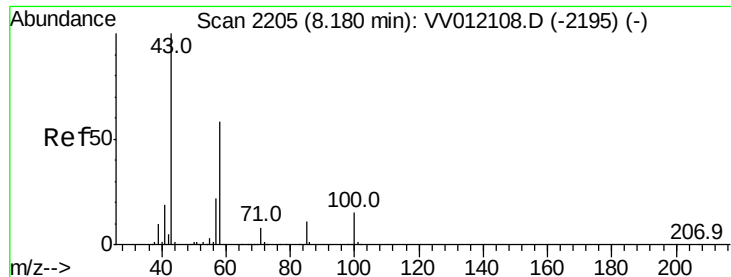
Ion 164.00 (163.70 to 164.70): VV012110.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV012110.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV012110.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV012110.D (-2061) (-)

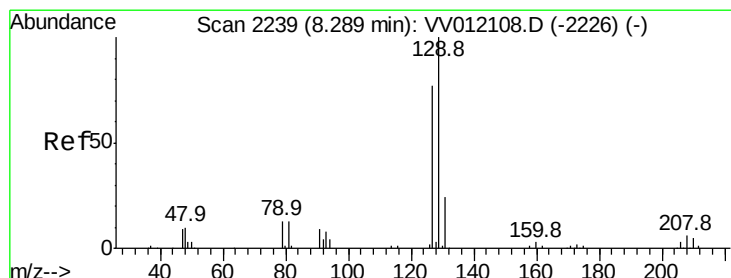
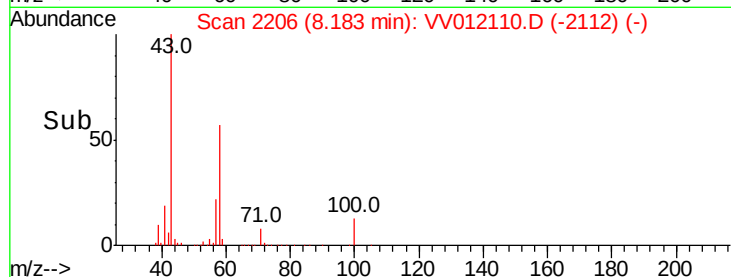
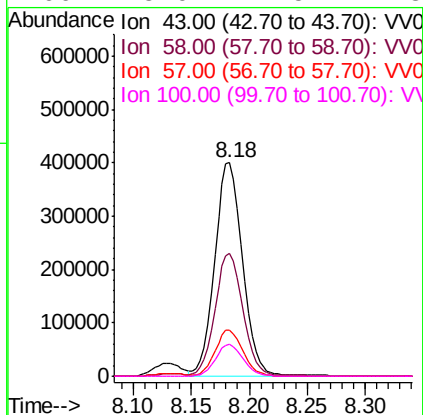
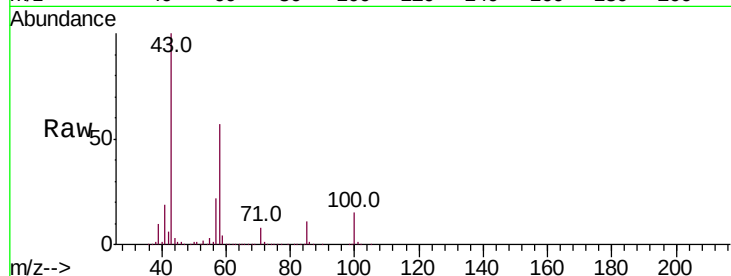




#48
2-Hexanone
Concen: 466.533 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

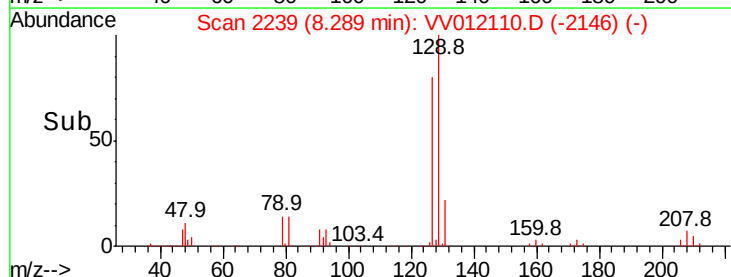
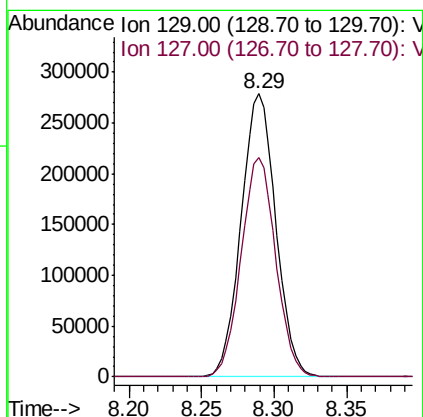
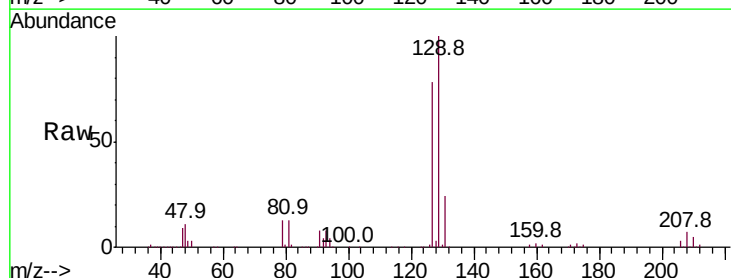
Instrument :
MSVOA_V
ClientSampleId :

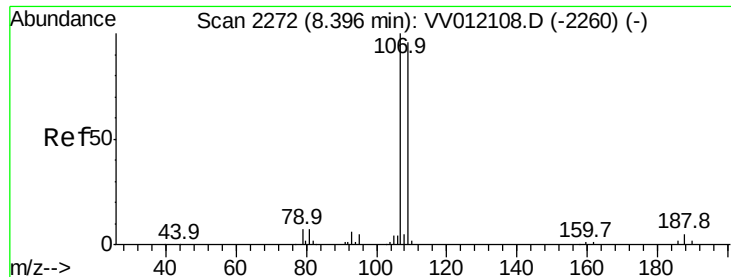
Tot Ion: 43 Resp: 669224
Ion Ratio Lower Upper
43 100
58 57.6 45.6 68.4
57 21.5 17.0 25.6
100 15.0 11.5 17.3



#49
Dibromochloromethane
Concen: 224.410 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Tgt Ion: 129 Resp: 464066
Ion Ratio Lower Upper
129 100
127 77.7 53.8 100.0

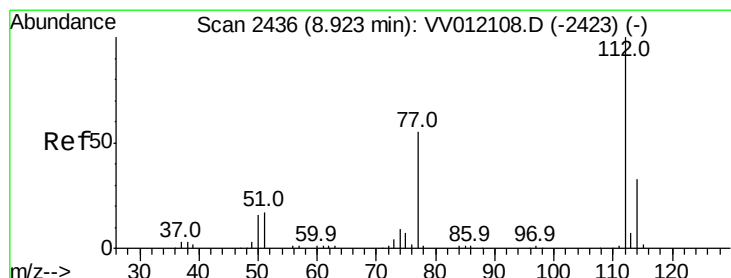
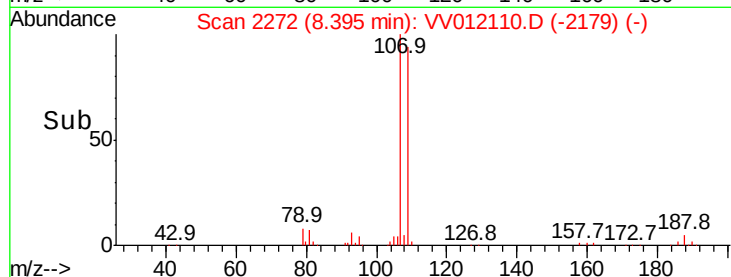
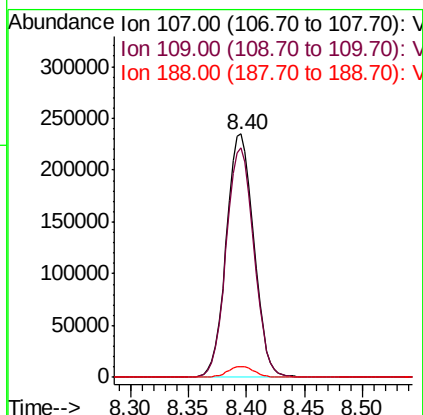
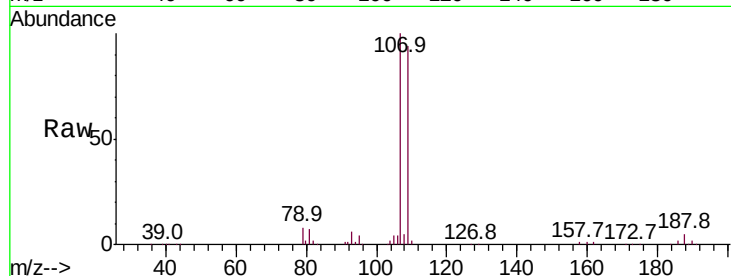




#50
 1,2-Dibromoethane
 Concen: 219.856 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

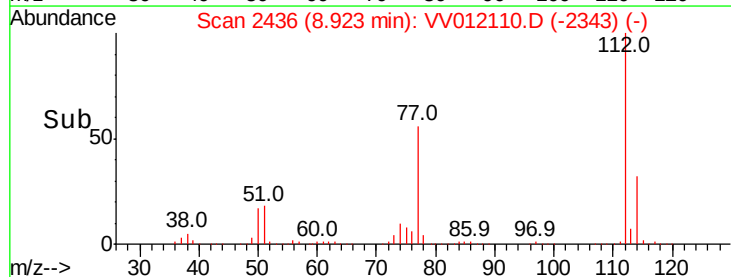
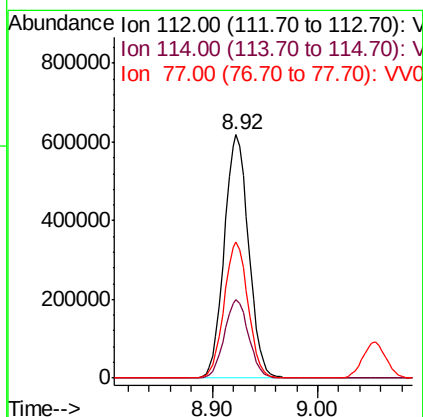
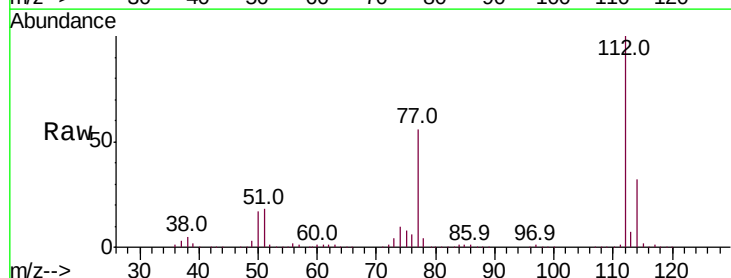
Instrument :
 MSVOA_V
 ClientSampleId :

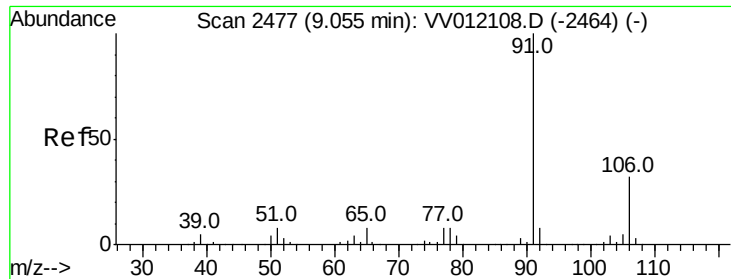
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	67.0	124.4
188	4.6	3.9	5.9



#51
 Chlorobenzene
 Concen: 217.660 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	56.0	44.7	67.1





#52

Ethylbenzene

Concen: 219.781 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

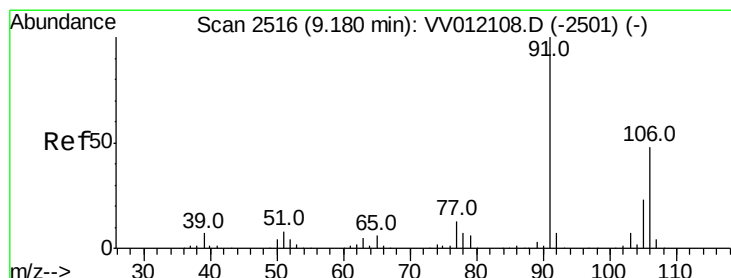
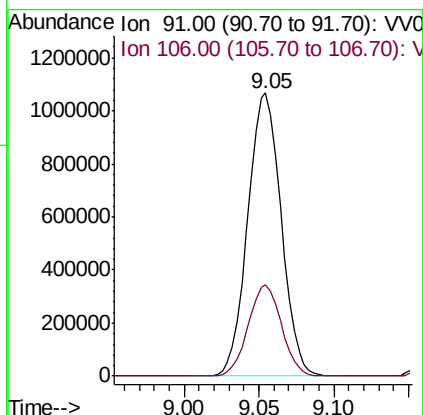
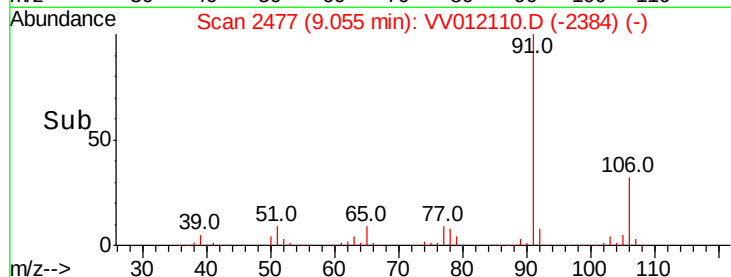
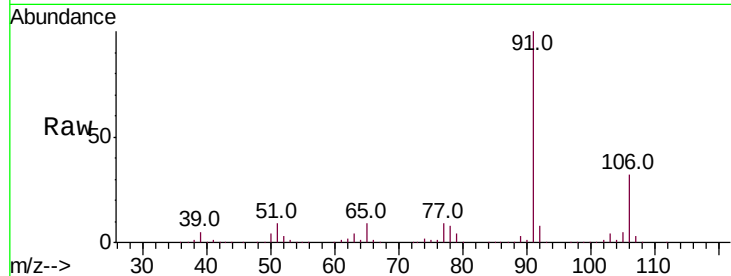
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1660791

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



#53

m,p-Xylene

Concen: 221.612 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012110.D

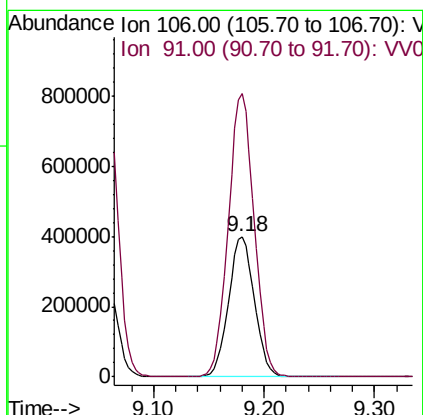
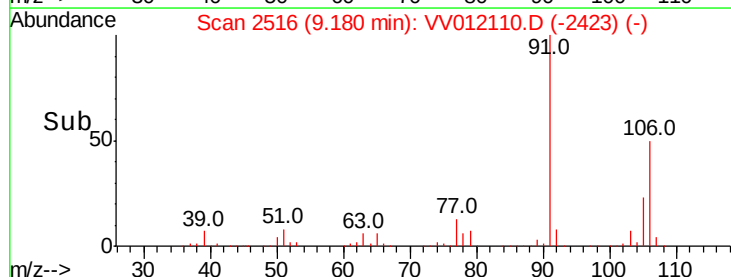
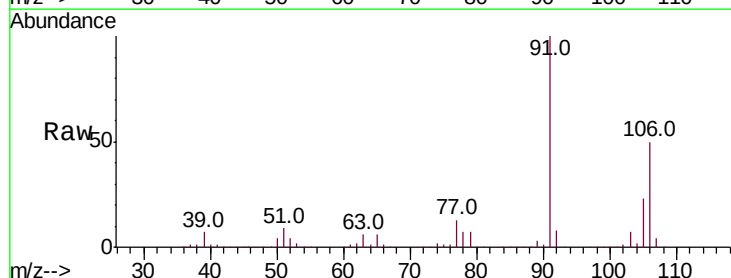
Acq: 06 Aug 2019 11:34

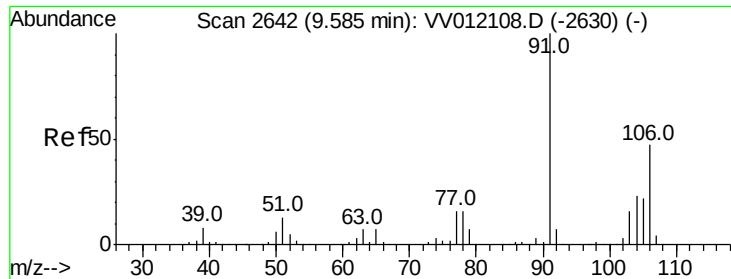
Tgt Ion: 106 Resp: 646016

Ion Ratio Lower Upper

106 100

91 202.0 146.7 272.5

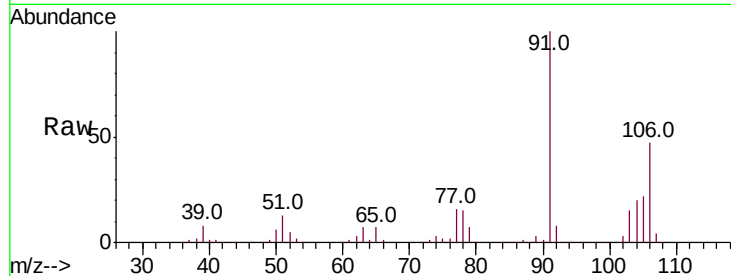




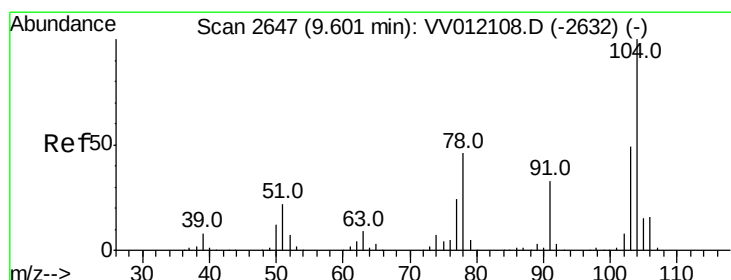
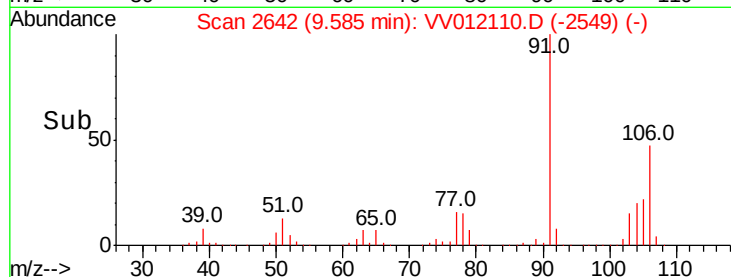
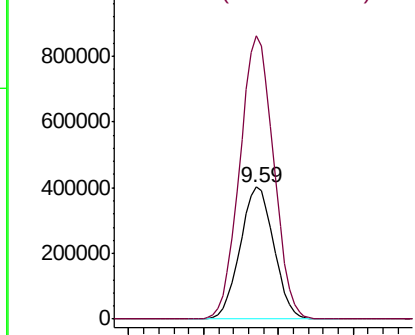
#54
o-Xylene
Concen: 218.640 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 632451
Ion Ratio Lower Upper
106 100
91 214.4 150.4 279.2

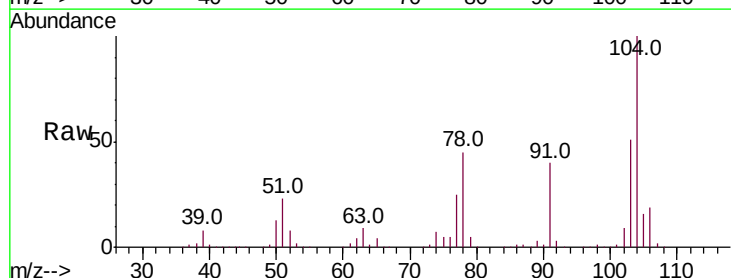


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

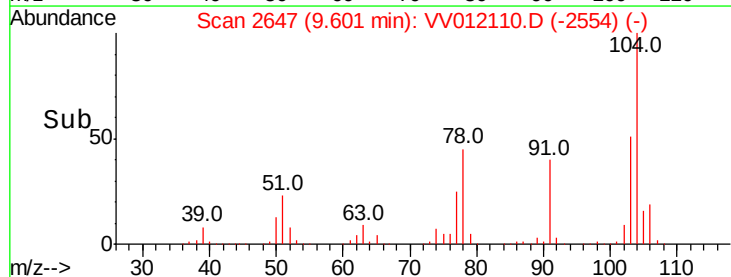
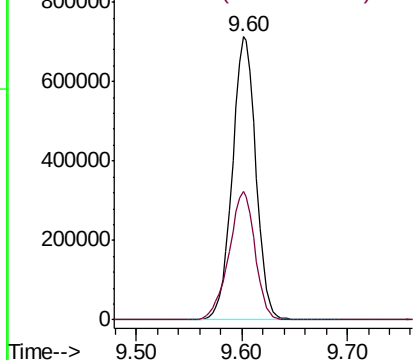


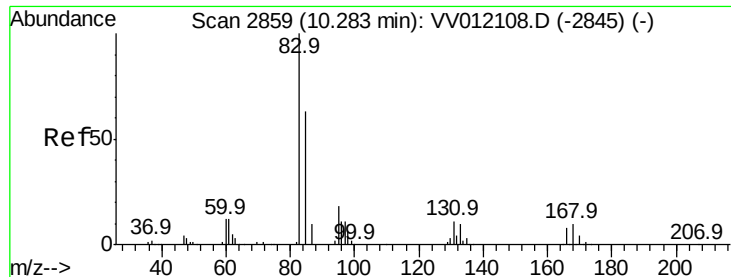
#55
Styrene
Concen: 224.959 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012110.D
Acq: 06 Aug 2019 11:34

Tgt Ion:104 Resp: 1096205
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4



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

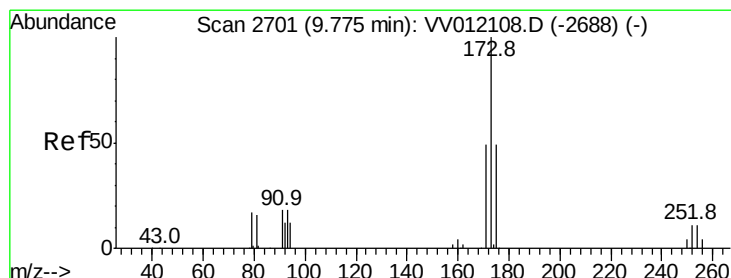
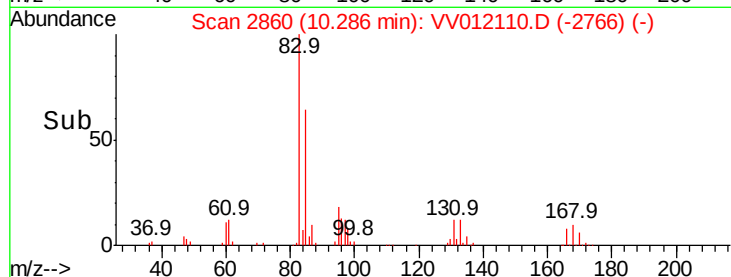
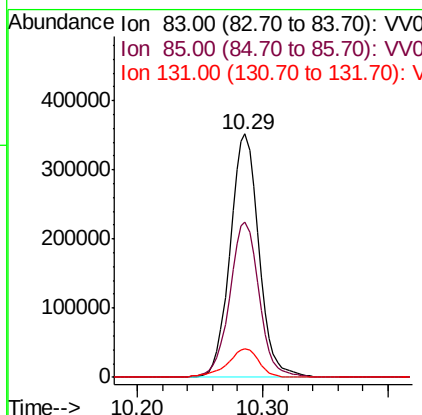
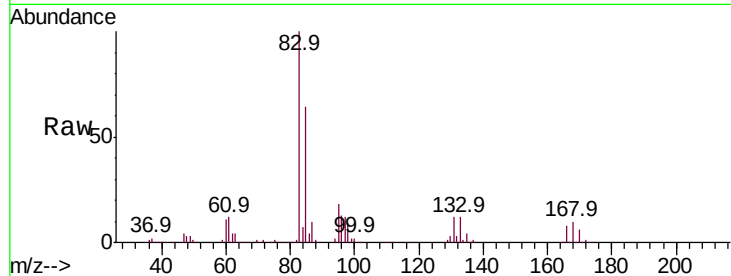




#57
 1,1,2,2-Tetrachloroethane
 Concen: 227.733 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

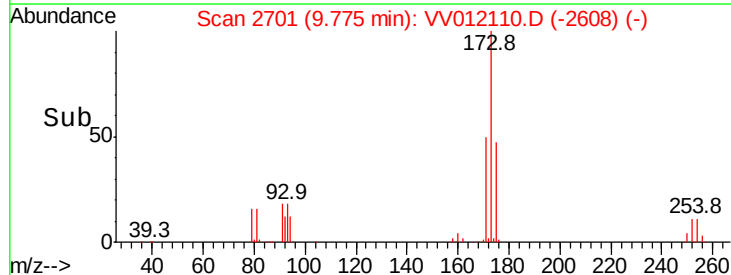
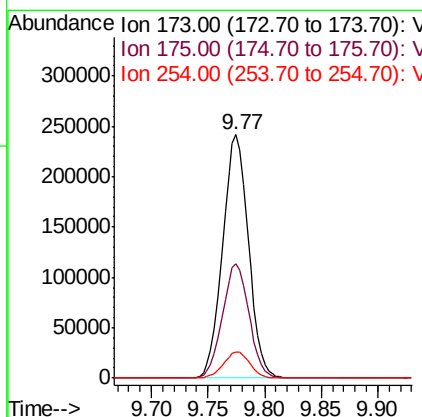
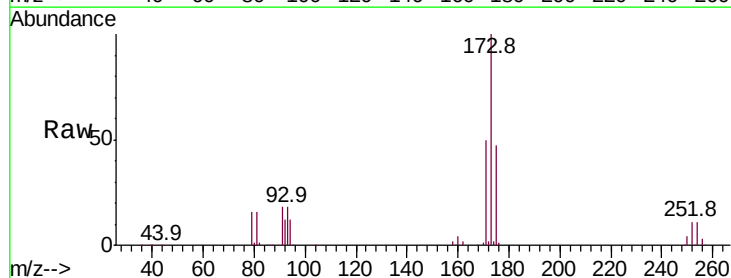
Instrument :
 MSVOA_V
 ClientSampleId :

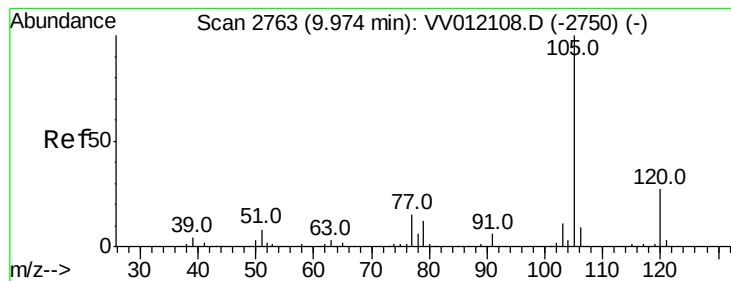
Tot Ion	83	Resp	558087
Ion Ratio	100	Lower	Upper
85	64.0	44.6	82.8
131	11.9	9.3	13.9



#59
 Bromoform
 Concen: 219.030 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion	173	Resp	384445
Ion Ratio	100	Lower	Upper
175	48.2	38.3	57.5
254	10.9	8.9	13.3





#60

Isopropylbenzene

Concen: 209.288 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

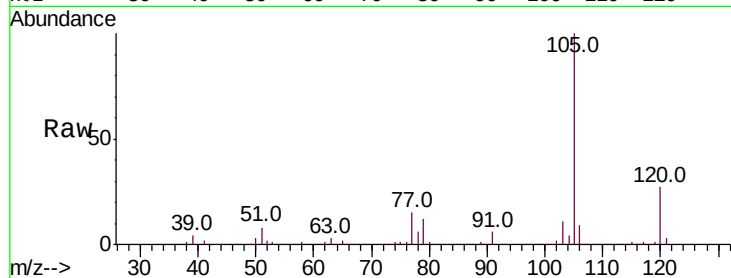
Tot Ion:105 Resp: 1714369

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

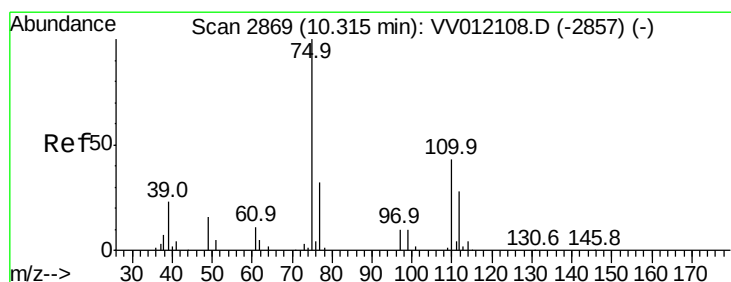
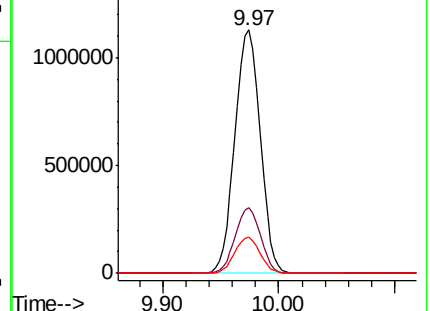
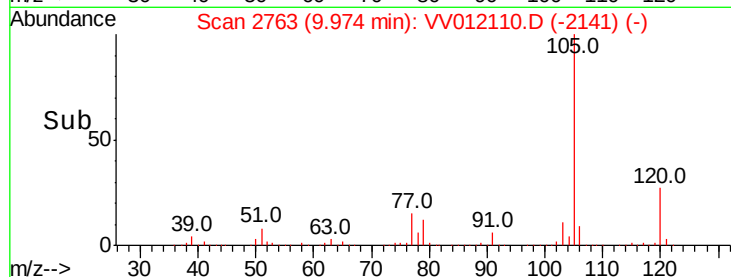
77 14.9 11.6 17.4



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



#61

1,2,3-Trichloropropane

Concen: 210.505 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

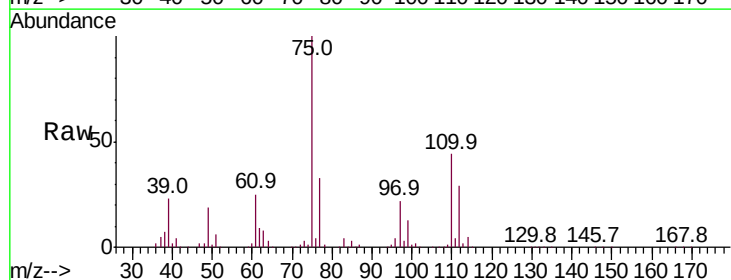
Tgt Ion: 75 Resp: 427725

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

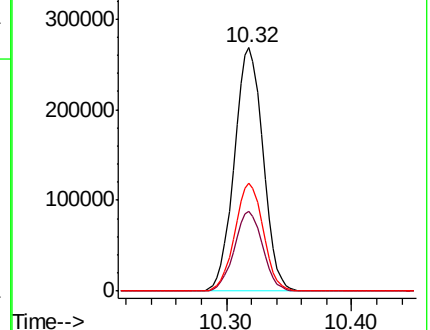
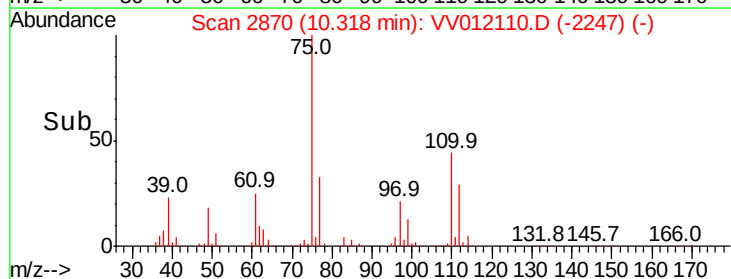
110 43.9 34.2 51.4

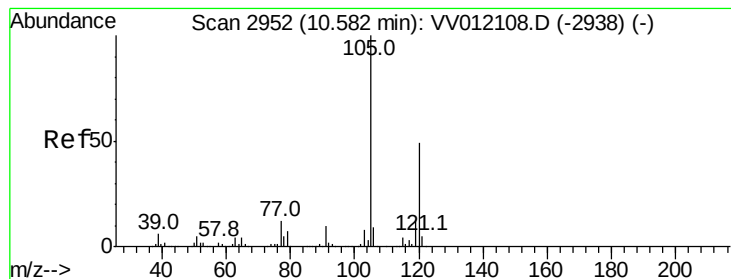


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 212.311 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :

MSVOA_V

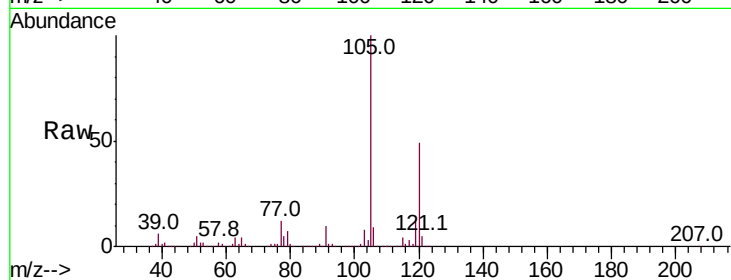
ClientSampled :

Tot Ion:105 Resp: 1490132

Ion Ratio Lower Upper

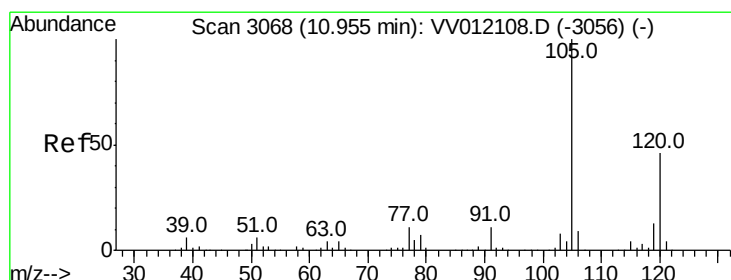
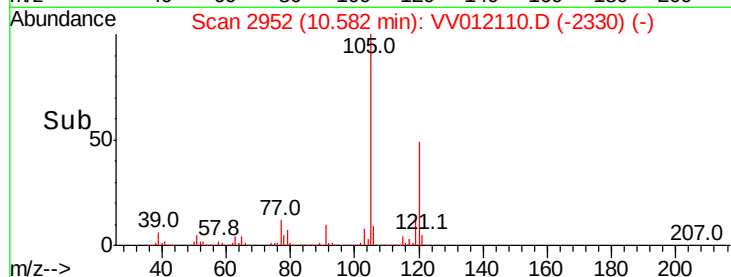
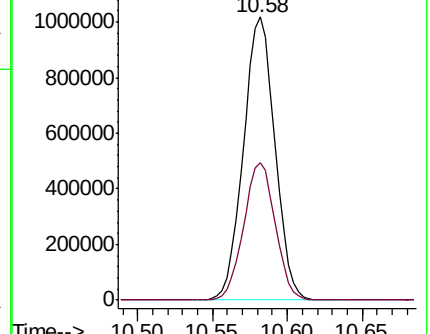
105 100

120 48.8 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 212.693 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012110.D

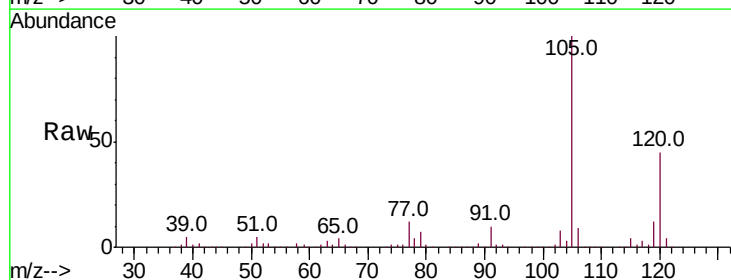
Acq: 06 Aug 2019 11:34

Tgt Ion:105 Resp: 1499933

Ion Ratio Lower Upper

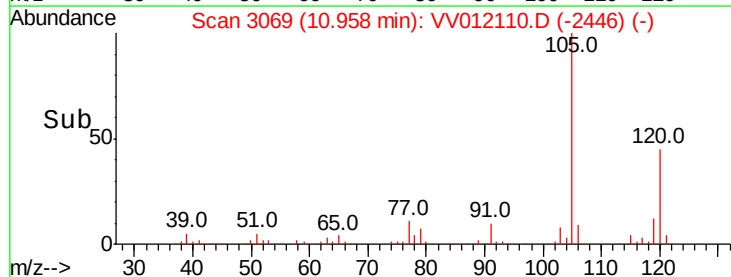
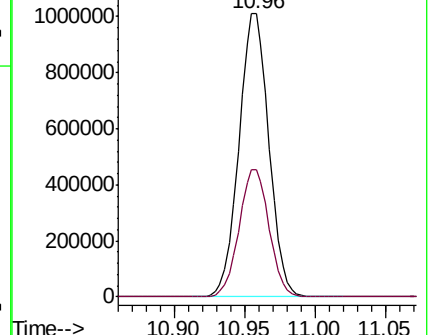
105 100

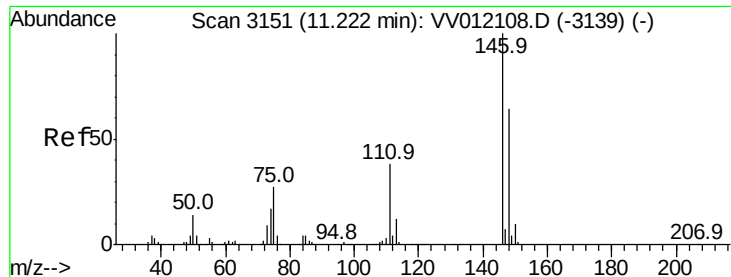
120 45.1 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 212.572 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

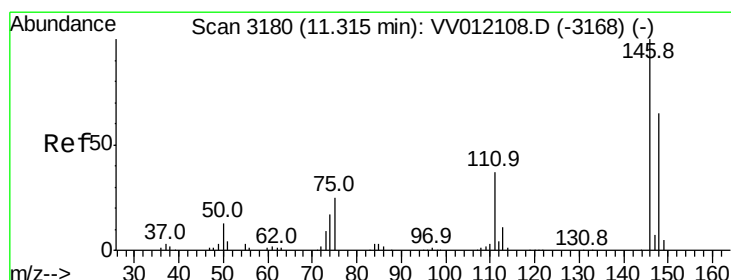
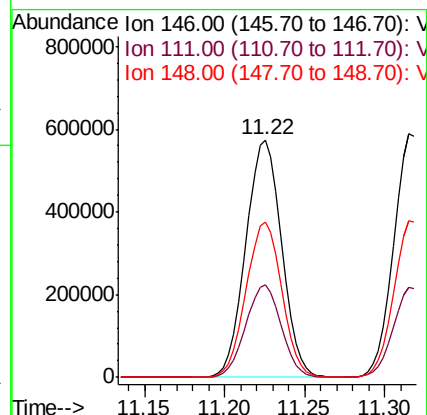
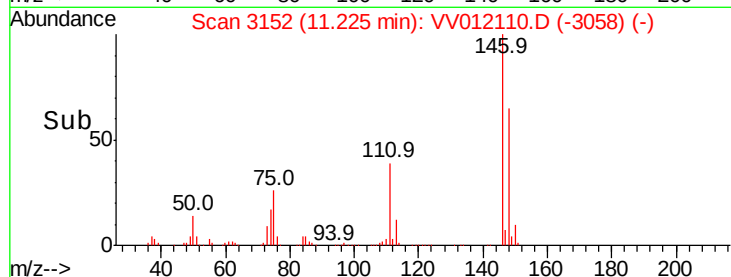
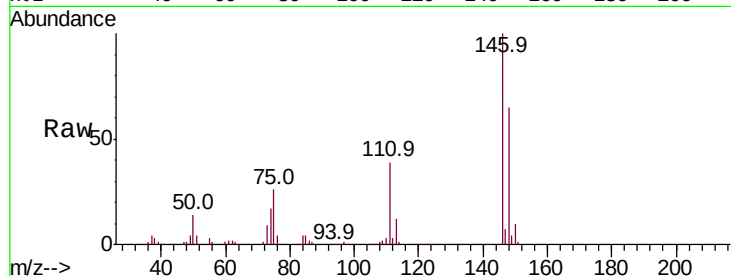
Tot Ion:146 Resp: 878577

Ion Ratio Lower Upper

146 100

111 38.7 26.8 49.8

148 65.4 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 214.150 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

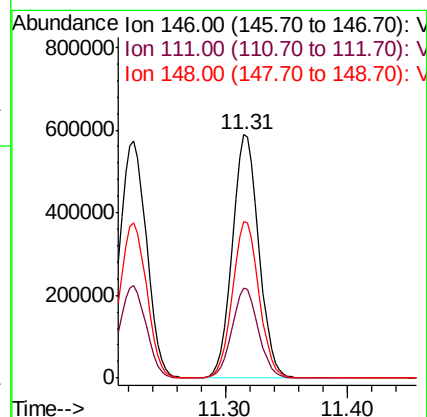
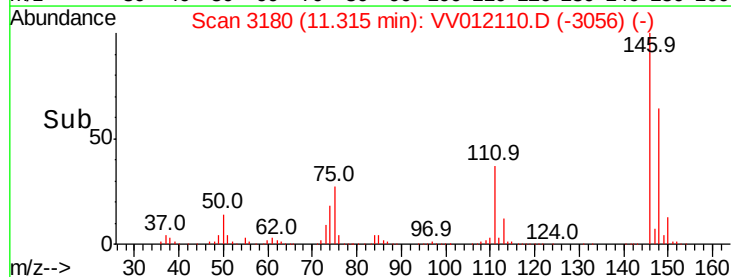
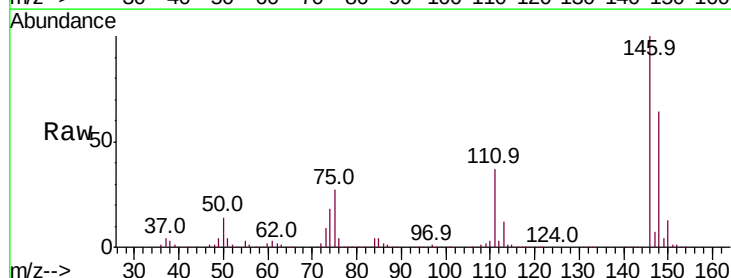
Tgt Ion:146 Resp: 894656

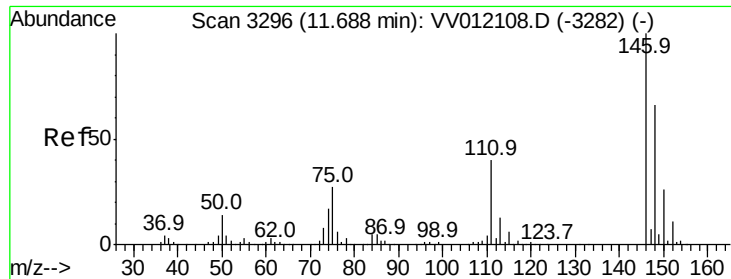
Ion Ratio Lower Upper

146 100

111 37.1 25.8 47.8

148 64.3 45.2 84.0

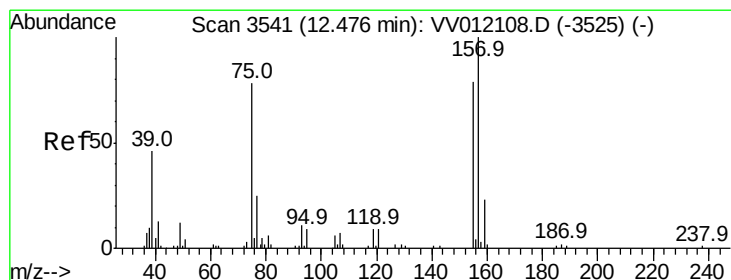
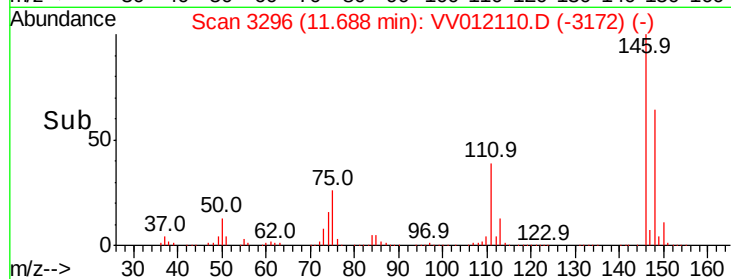
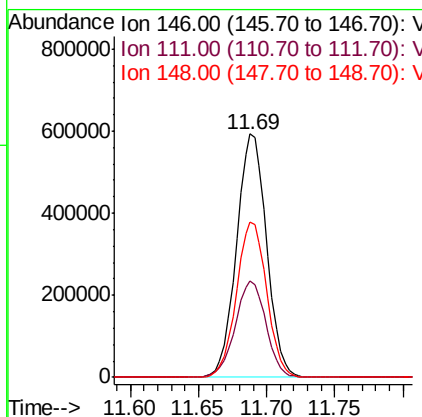
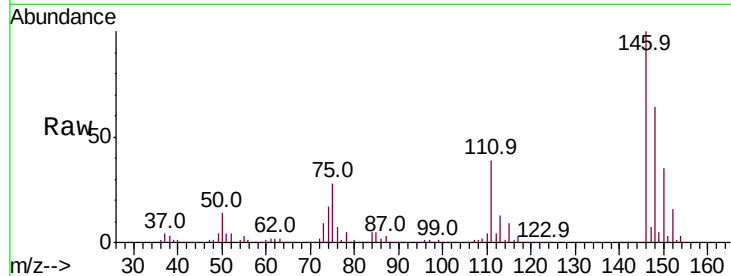




#67
 1,2-Dichlorobenzene
 Concen: 214.730 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

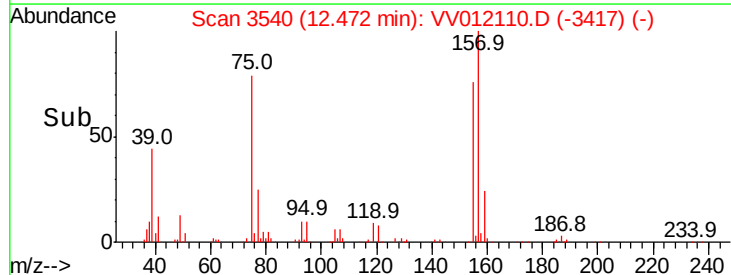
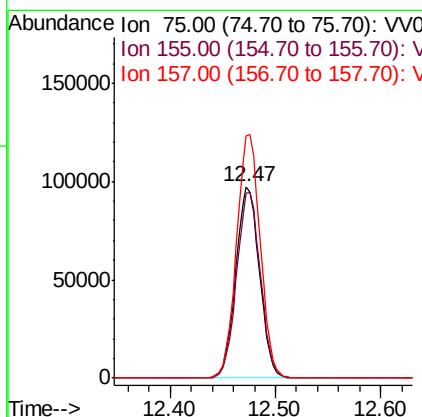
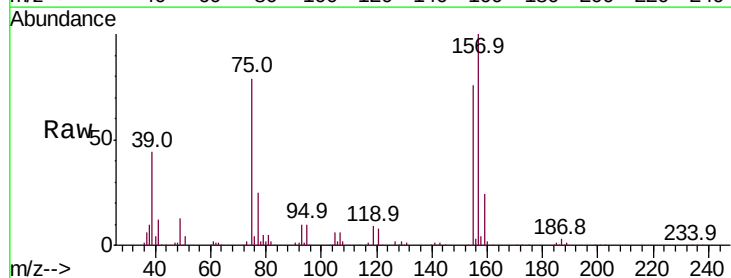
Instrument :
 MSVOA_V
 ClientSampled :

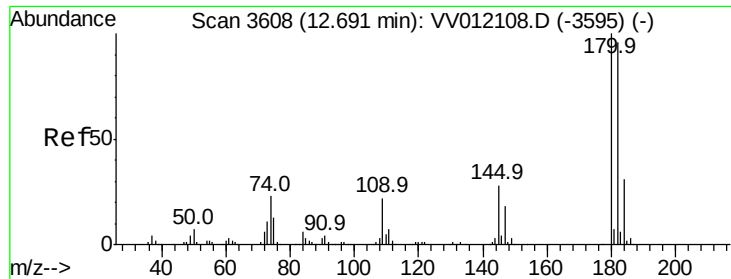
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.2	48.2
148	63.9	53.2	79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 225.861 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	81.2	121.8
157	126.7	102.3	153.5

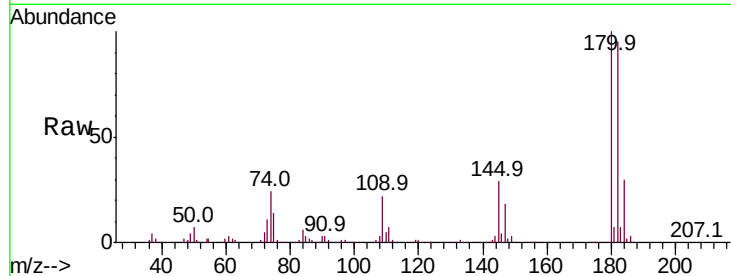




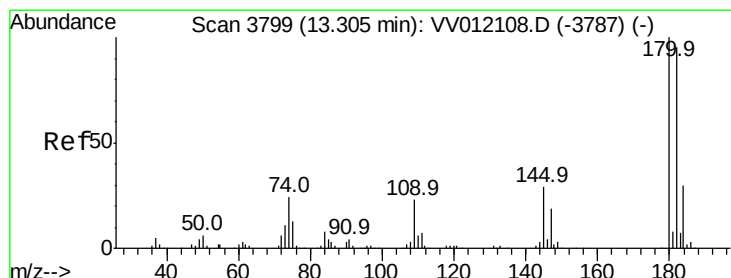
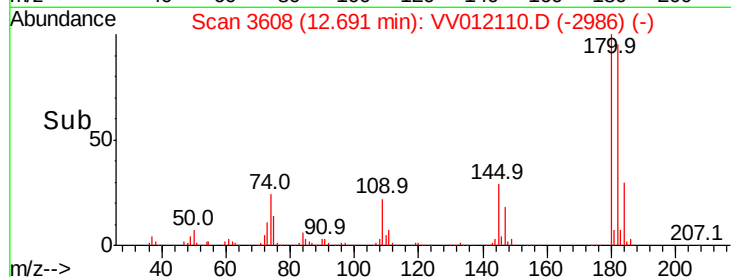
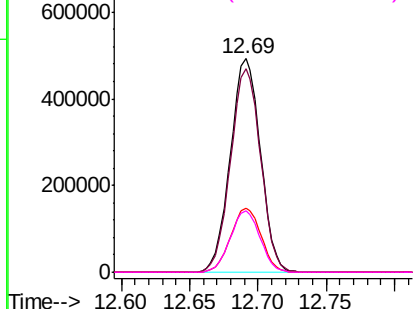
#69
 1,3,5-Trichlorobenzene
 Concen: 225.066 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	754072
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
184	30.4	24.6	36.8
145	28.5	22.5	33.7

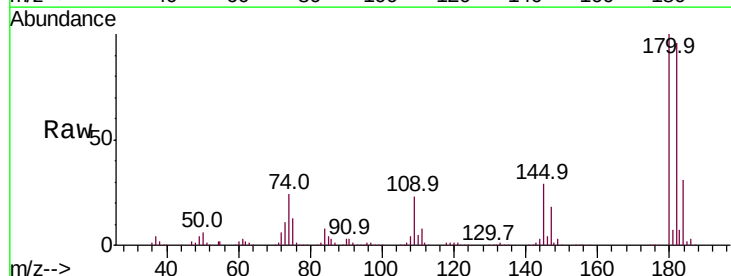


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

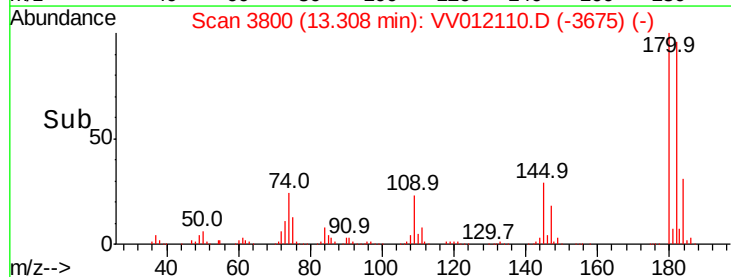
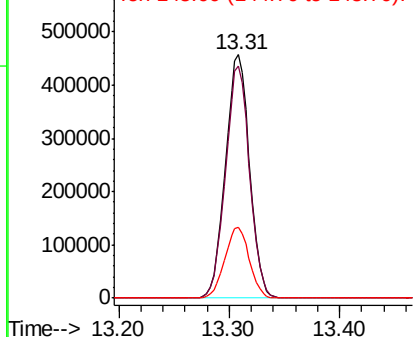


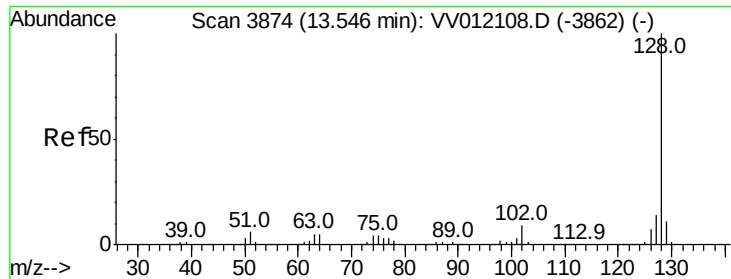
#70
 1,2,4-trichlorobenzene
 Concen: 238.325 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012110.D
 Acq: 06 Aug 2019 11:34

Tgt Ion:	180	Resp:	692342
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
145	29.5	23.3	34.9



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





#71

Naphthalene

Concen: 254.455 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

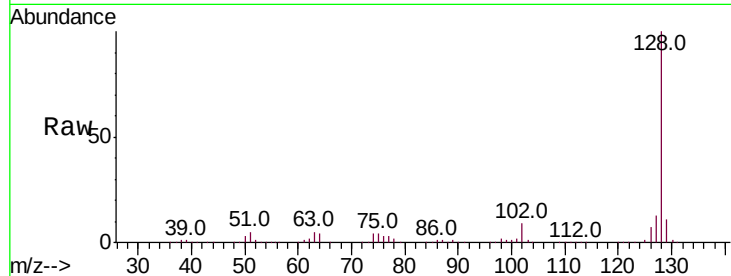
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1873501

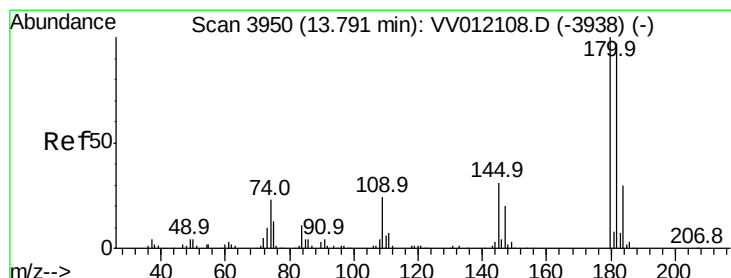
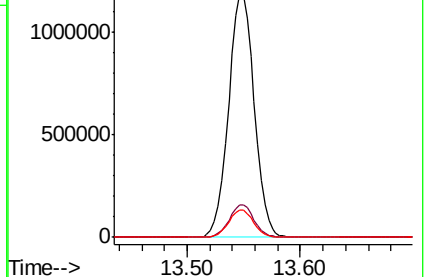
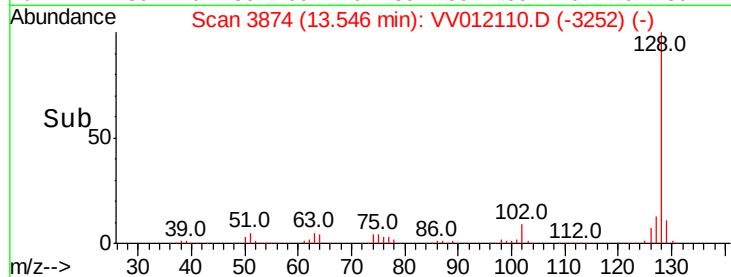
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	12.8



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



#72

1,2,3-Trichlorobenzene

Concen: 237.451 ug/L

RT: 13.79 min Scan# 3950

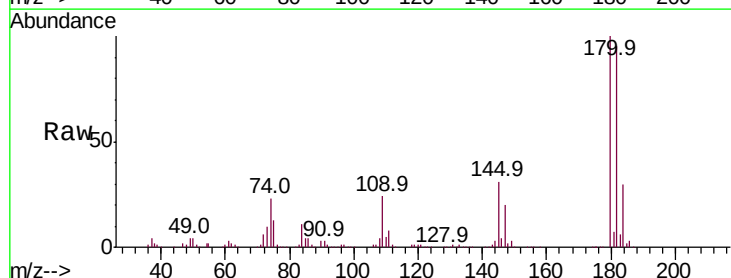
Delta R.T. -0.00 min

Lab File: VV012110.D

Acq: 06 Aug 2019 11:34

Tgt Ion:180 Resp: 694170

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
145	31.1	24.6	36.8



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

