

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015108.D
 Acq On : 24 Mar 2020 00:47
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 02:00:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 01:56:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	773828	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	730866	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	350279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1342855	309.02	ug/L	0.00
7) Chloroethane-d5	1.58	69	1138604	328.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	2254902	306.14	ug/L	0.00
21) 2-Butanone-d5	3.93	46	1912764	659.75	ug/L	0.00
24) Chloroform-d	4.38	84	2123972	220.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	1379736	226.87	ug/L	0.00
32) Benzene-d6	5.08	84	4286539	234.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	1403170	254.13	ug/L	0.00
41) Toluene-d8	7.34	98	3938849	217.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	756783	259.92	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	1460573	564.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	2009651	247.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	1470558	203.45	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1062742	165.723	ug/L	99
3) Chloromethane	1.25	50	1403223	276.503	ug/L	98
5) Vinyl chloride	1.32	62	1354127	275.585	ug/L	99
6) Bromomethane	1.53	94	862773	273.512	ug/L	100
8) Chloroethane	1.60	64	897219	307.627	ug/L	100
9) Trichlorofluoromethane	1.76	101	1750134	236.837	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	842958	236.467	ug/L	99
12) 1,1-Dichloroethene	2.13	96	901148	261.702	ug/L	92
13) Acetone	2.22	43	1141147	519.823	ug/L	99
14) Carbon disulfide	2.31	76	2426629	212.686	ug/L	99
15) Methyl Acetate	2.46	43	1302954	318.503	ug/L	99
16) Methylene chloride	2.52	84	1117350	218.354	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	935923	198.100	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	3634464	237.255	ug/L	100
19) 1,1-Dichloroethane	3.21	63	1936031	229.458	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	1134753	212.135	ug/L	# 99
22) 2-Butanone	4.01	43	1891842	592.730	ug/L	98
23) Bromochloromethane	4.28	128	561902	196.929	ug/L	100
25) Chloroform	4.40	83	1916144	208.112	ug/L	99
27) 1,2-Dichloroethane	5.16	62	1554835	223.893	ug/L	99
29) Cyclohexane	4.70	56	1447532	212.553	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	1576623	199.747	ug/L	99
31) Carbon tetrachloride	4.86	117	1308109	186.348	ug/L	99
33) Benzene	5.13	78	4201592	227.456	ug/L	100
34) Trichloroethene	5.94	95	1014159	206.772	ug/L	99
35) Methylcyclohexane	6.15	83	1433097	185.617	ug/L	98
37) 1,2-Dichloropropane	6.20	63	1154254	250.313	ug/L	99
38) Bromodichloromethane	6.53	83	1553566	234.628	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	1912351	250.807	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	3849491	576.659	ug/L	99

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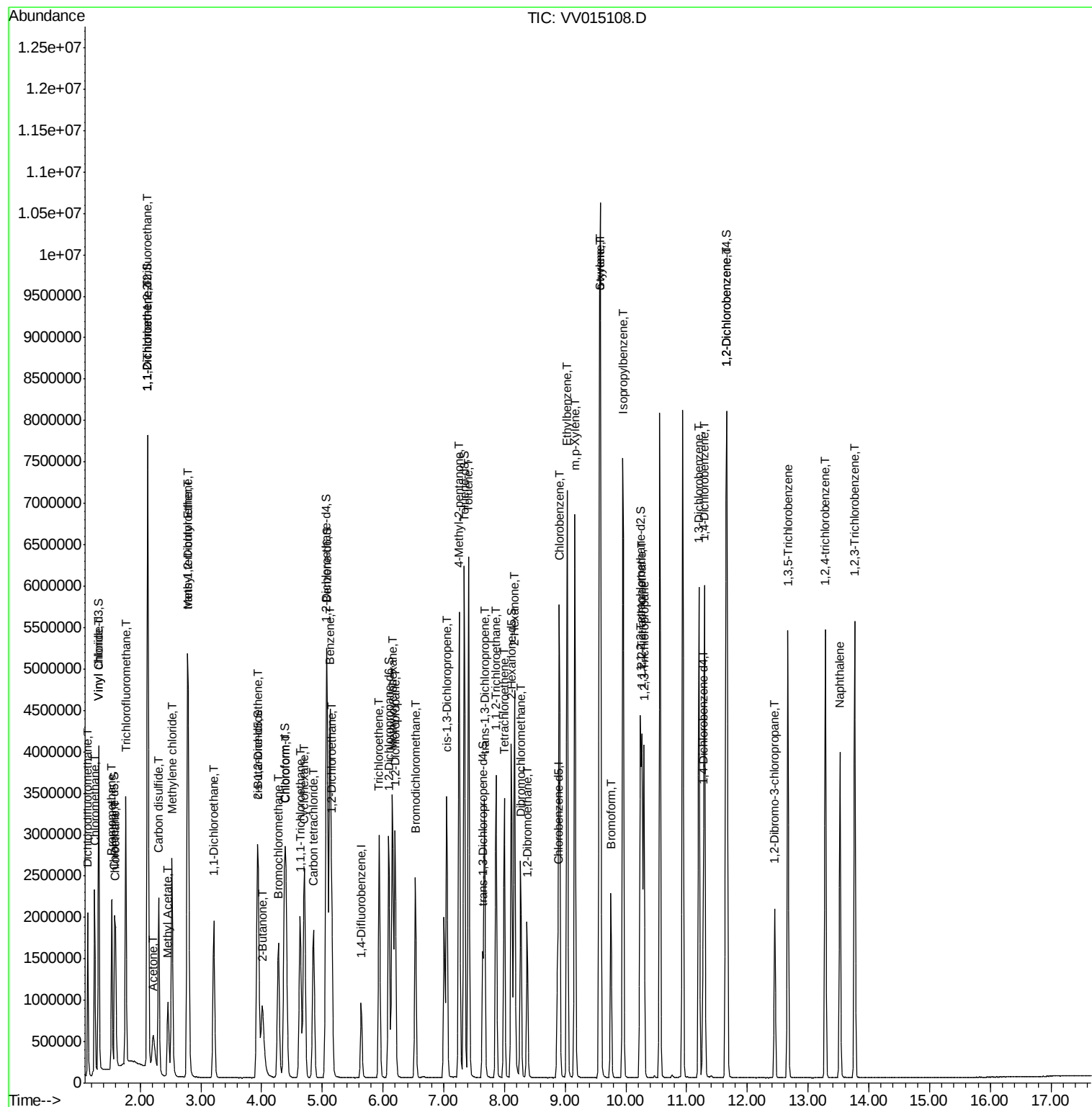
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	4426405	214.940	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1758691	254.667	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	1094912	225.889	ug/L	99
46) Tetrachloroethene	8.00	164	697322	158.531	ug/L	99
48) 2-Hexanone	8.16	43	3088807	615.207	ug/L	99
49) Dibromochloromethane	8.27	129	1281182	227.654	ug/L	99
50) 1,2-Dibromoethane	8.37	107	1195895	222.314	ug/L	99
51) Chlorobenzene	8.90	112	2827650	198.055	ug/L	99
52) Ethylbenzene	9.03	91	4827709	207.080	ug/L	100
53) m,p-Xylene	9.16	106	1838644	203.672	ug/L	100
54) o-xylene	9.57	106	1877738	209.078	ug/L	99
55) Styrene	9.58	104	3359314	221.009	ug/L	96
56) Isopropylbenzene	9.95	105	4626744	199.611	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	1926352	241.082	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	1532336	241.260	ug/L	100
61) Bromoform	9.75	173	922982	252.378	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	2165469	204.703	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	2175567	197.349	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	2228822	197.001	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	501136	284.594	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	1512896	185.328	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	1481304	194.929	ug/L	100
69) Naphthalene	13.52	128	2899132	266.604	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1504268	201.705	ug/L	99

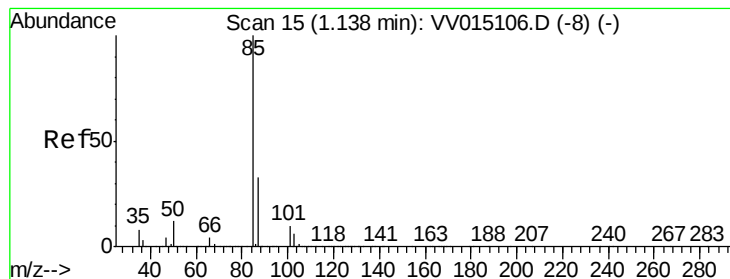
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 165.723 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

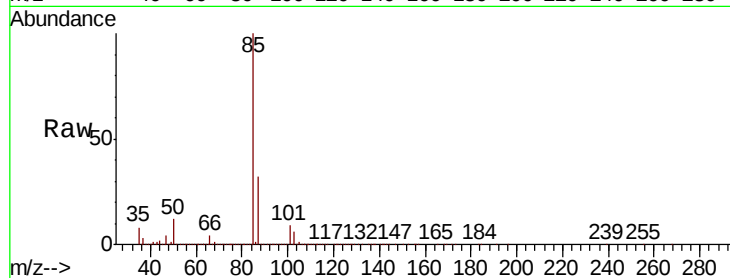
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 1062742

Ion Ratio Lower Upper

85 100

87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VV015108.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015108.D (-1) (-)

1.14

1200000

1000000

800000

600000

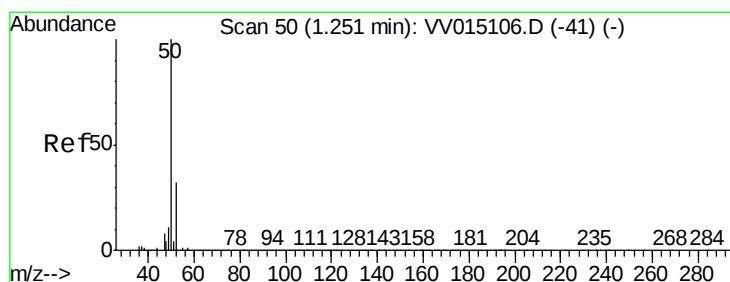
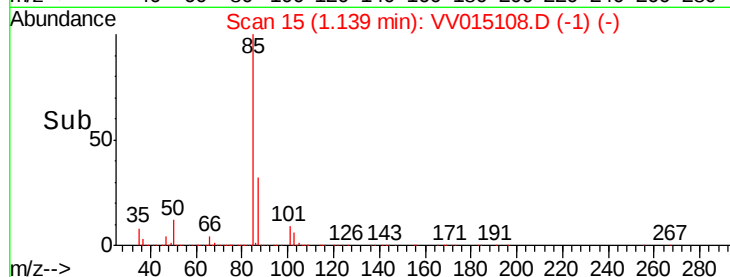
400000

200000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 276.503 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015108.D

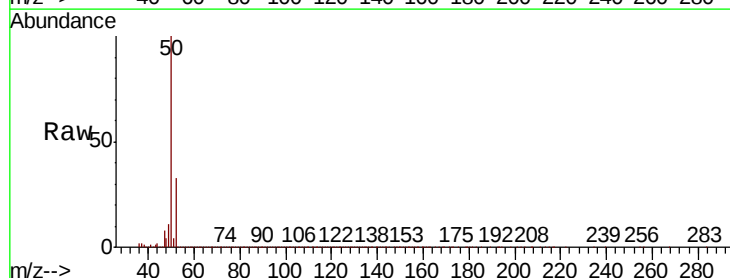
Acq: 24 Mar 2020 00:47

Tgt Ion: 50 Resp: 1403223

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV015108.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015108.D (-1) (-)

1.25

1500000

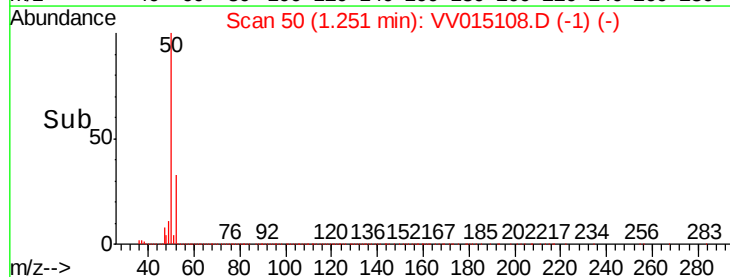
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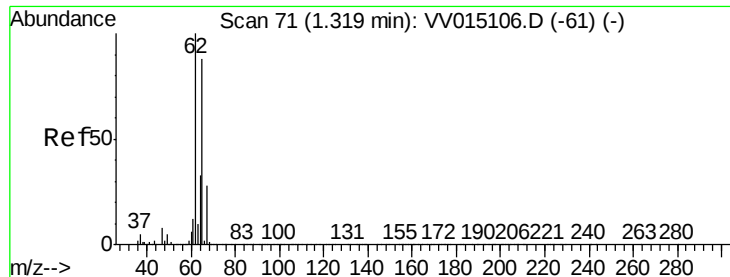
500000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 275.585 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

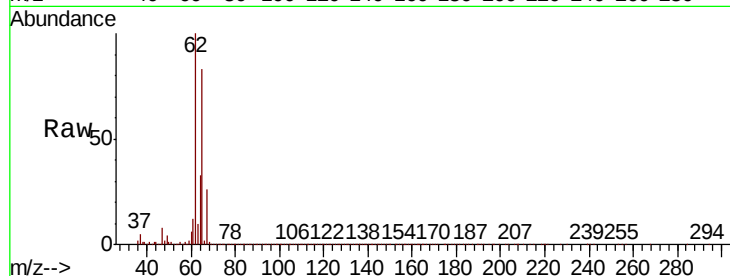
Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 1354127

Ion	Ratio	Lower	Upper
62	100		
64	33.4	23.6	43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

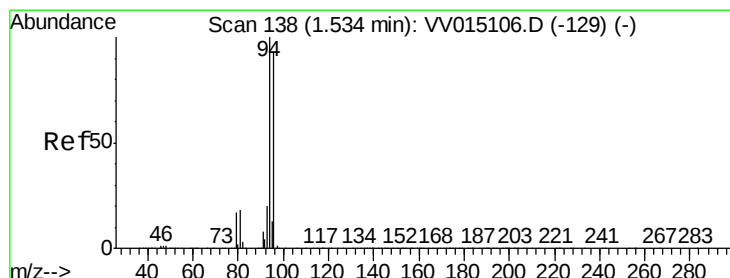
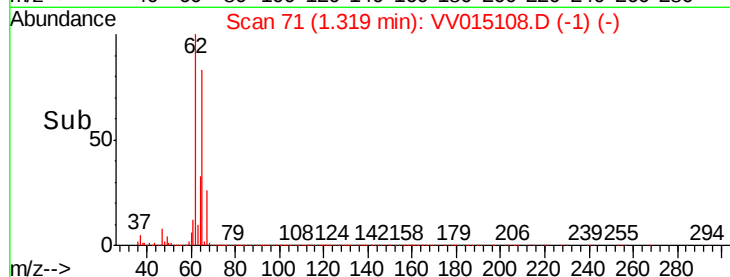
1.32

1000000

500000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 273.512 ug/L

RT: 1.53 min Scan# 138

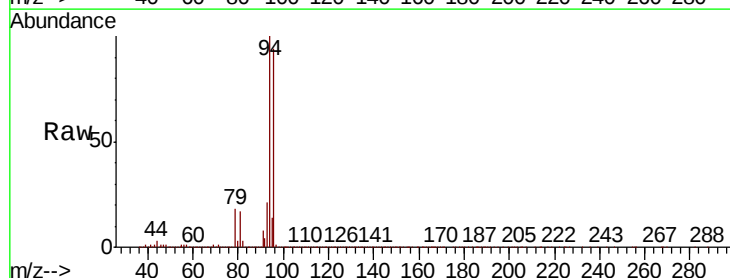
Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Tgt Ion: 94 Resp: 862773

Ion	Ratio	Lower	Upper
94	100		
96	94.1	65.9	122.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

800000

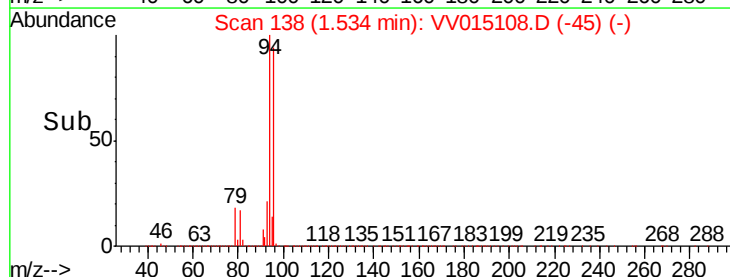
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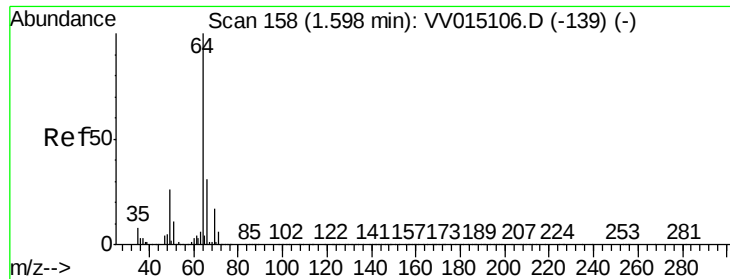
400000

200000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 307.627 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

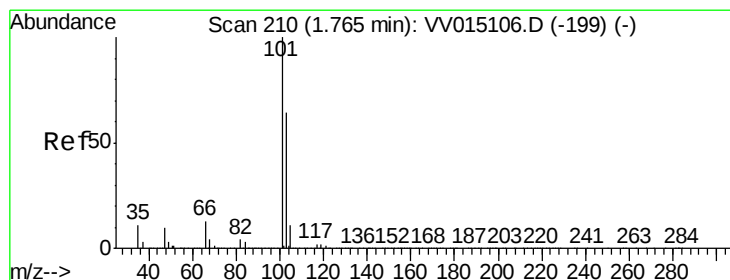
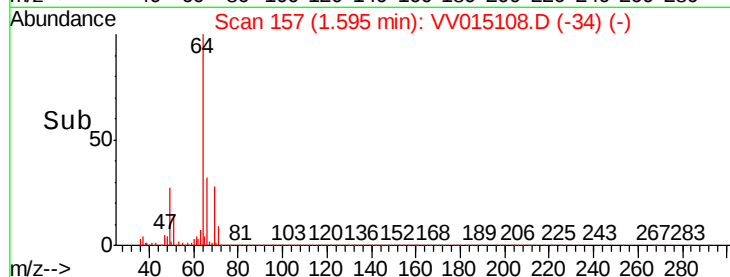
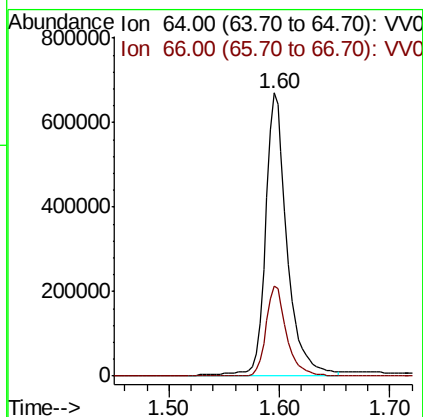
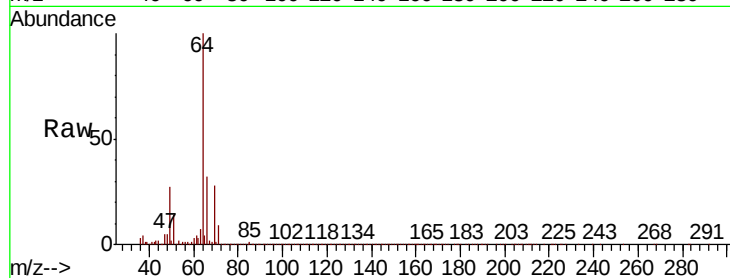
ClientSampleId :

Tot Ion: 64 Resp: 897219

Ion Ratio Lower Upper

64 100

66 31.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 236.837 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015108.D

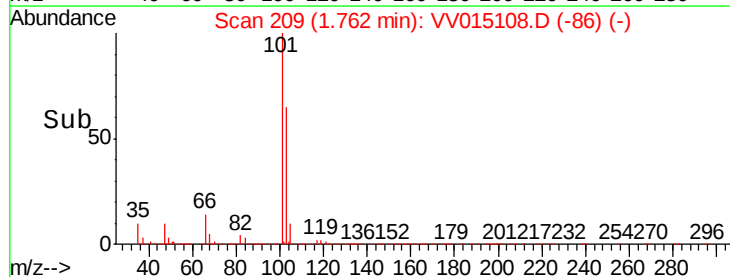
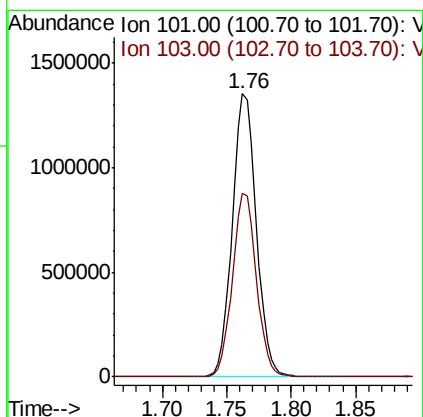
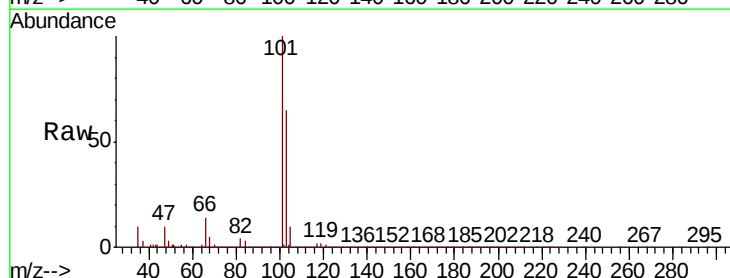
Acq: 24 Mar 2020 00:47

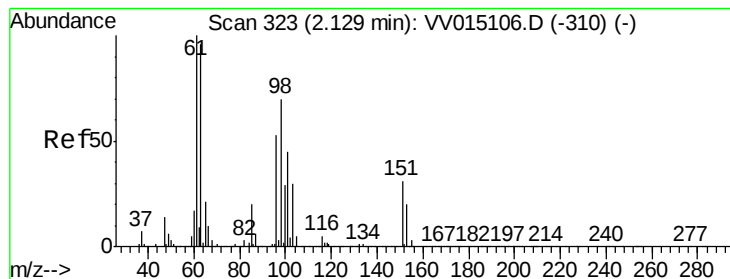
Tgt Ion: 101 Resp: 1750134

Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0





#10

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

Concen: 236.467 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

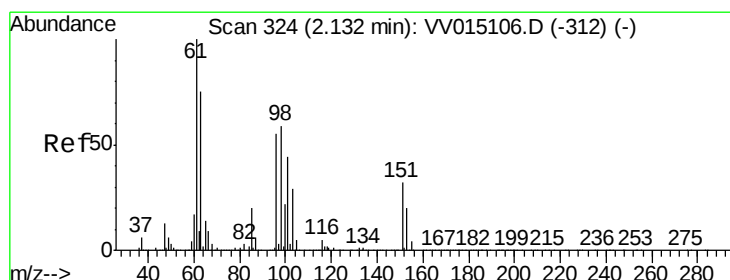
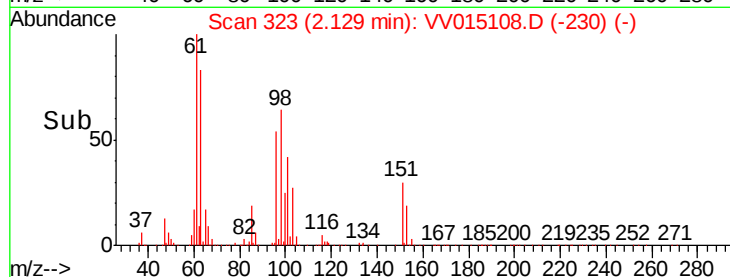
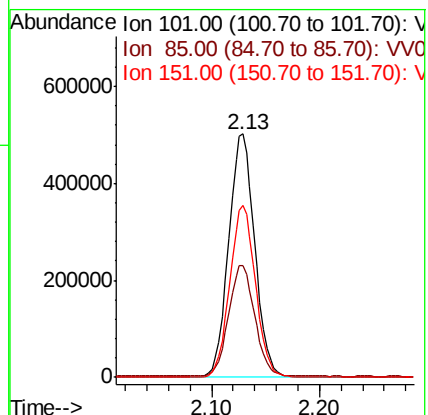
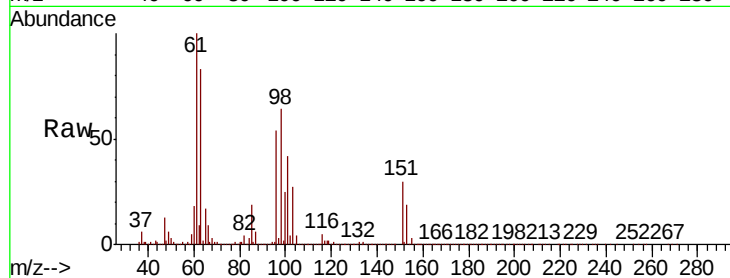
Tot Ion:101 Resp: 842958

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

151 69.7 56.3 84.5



#12

1,1-Dichloroethene

Concen: 261.702 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

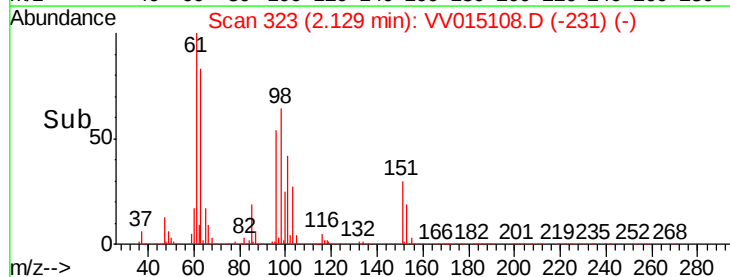
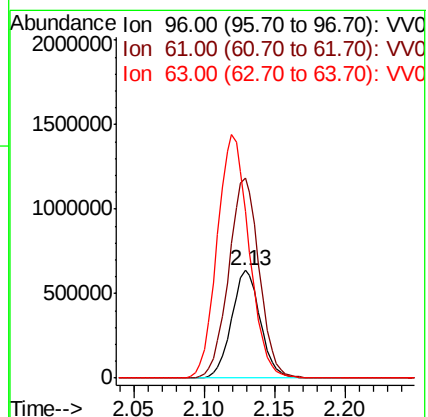
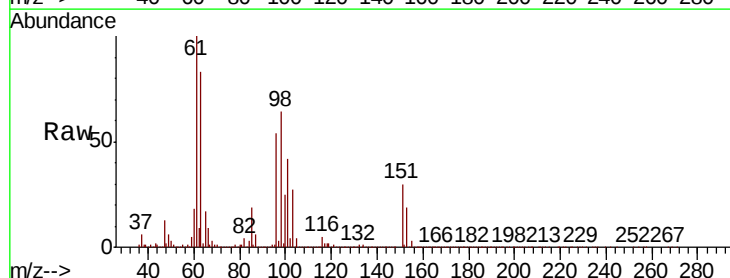
Tgt Ion: 96 Resp: 901148

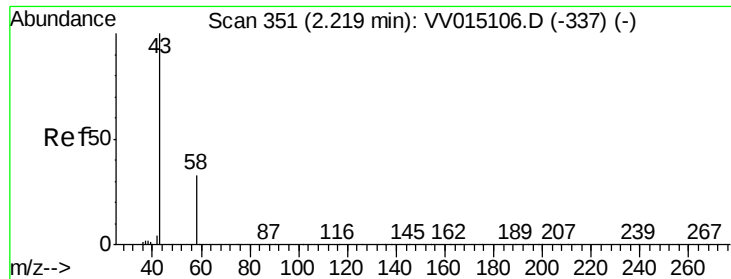
Ion Ratio Lower Upper

96 100

61 186.1 127.4 236.6

63 155.2 96.6 179.4





#13

Acetone

Concen: 519.823 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

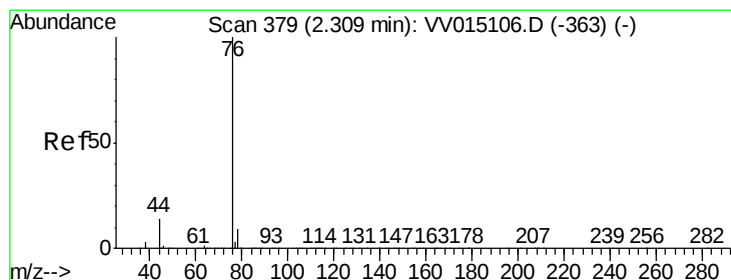
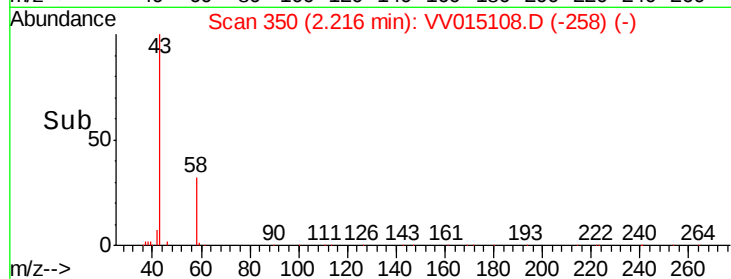
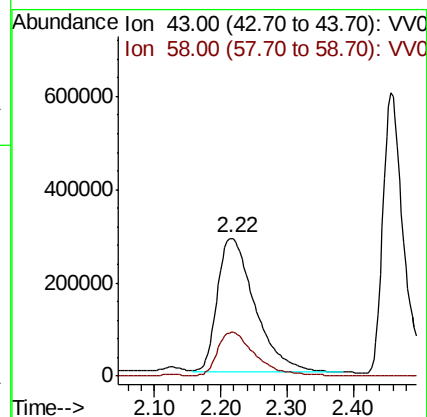
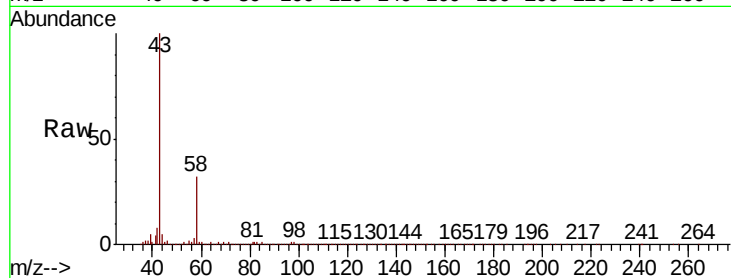
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1141147

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.2



#14

Carbon disulfide

Concen: 212.686 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015108.D

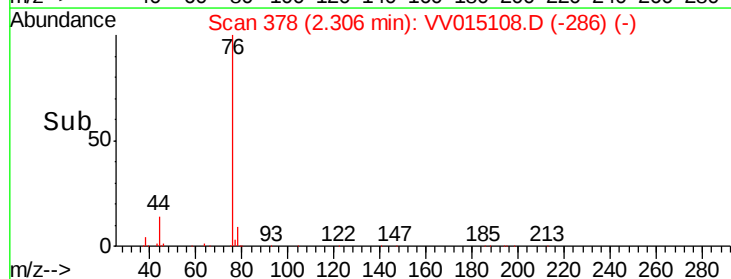
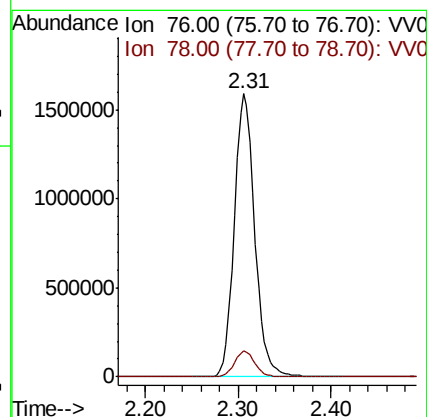
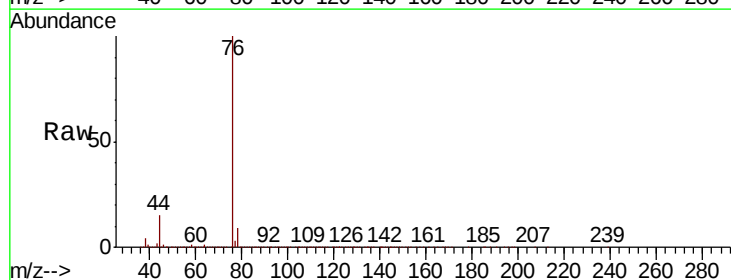
Acq: 24 Mar 2020 00:47

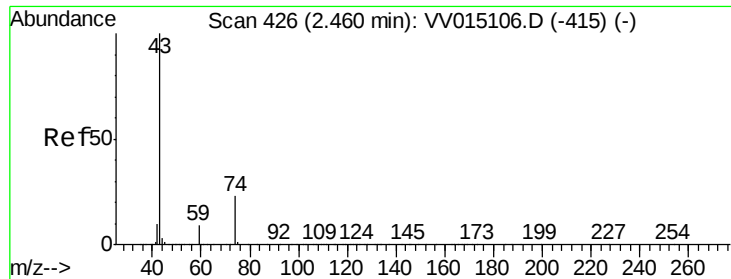
Tgt Ion: 76 Resp: 2426629

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

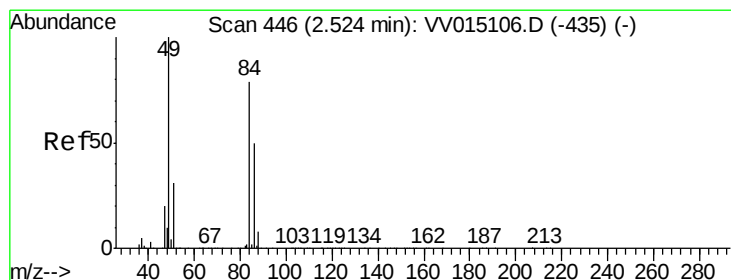
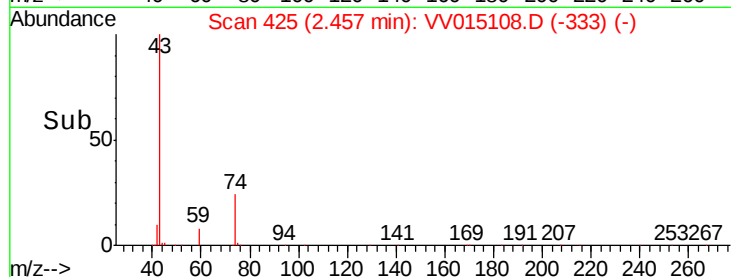
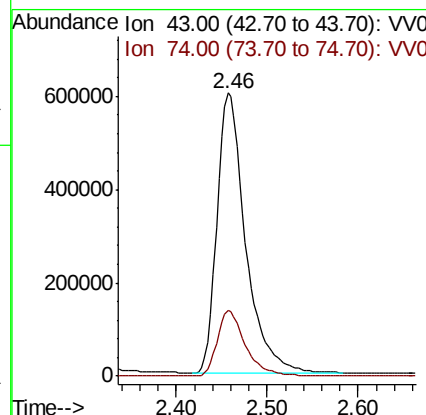
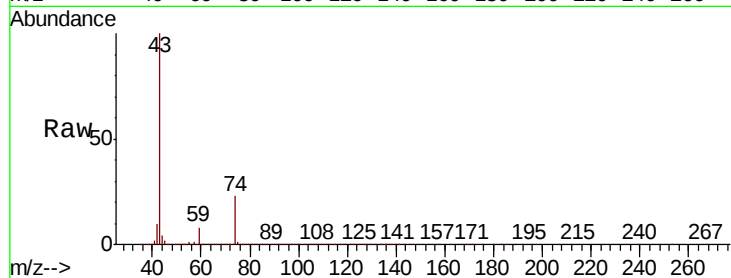




#15
Methvl Acetate
Concen: 318.503 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

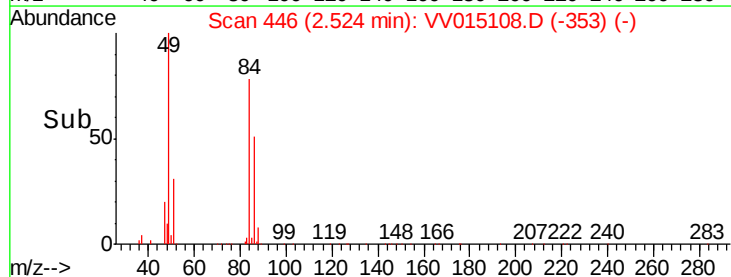
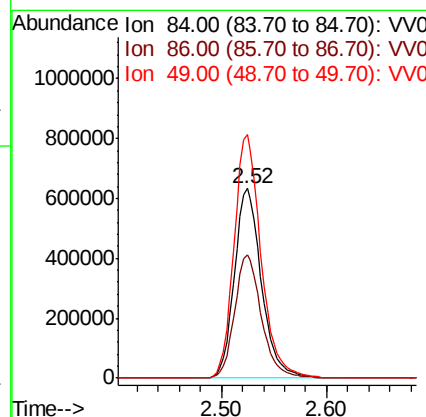
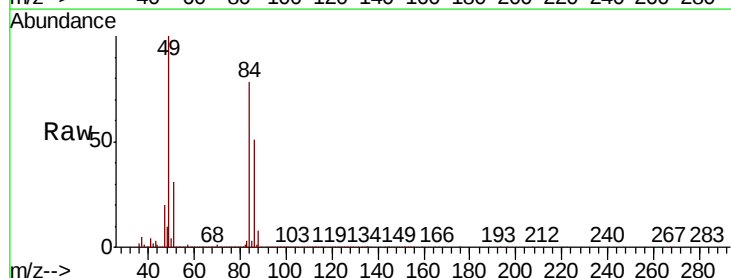
Instrument :
MSVOA_V
ClientSampleId :

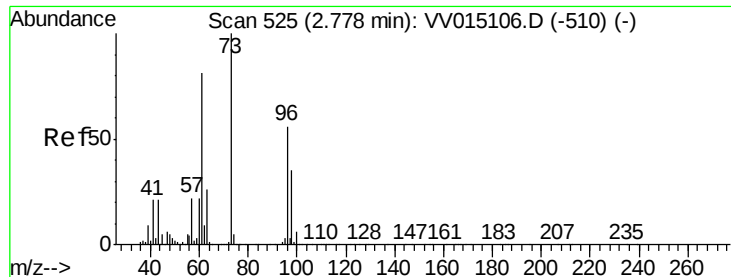
Tot Ion: 43 Resp: 1302954
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2



#16
Methylene chloride
Concen: 218.354 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Tgt Ion: 84 Resp: 1117350
Ion Ratio Lower Upper
84 100
86 65.1 44.6 82.8
49 128.4 88.4 164.2





#17

trans-1,2-Dichloroethene

Concen: 198.100 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :
MSVOA_V
ClientSampled :

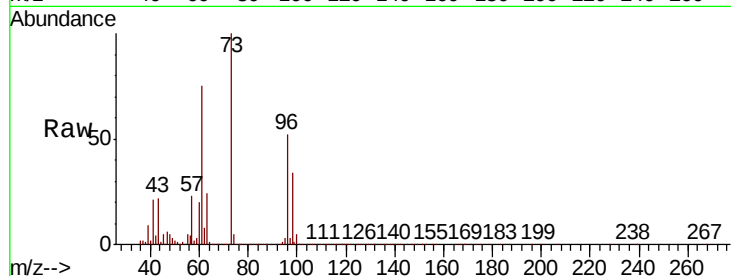
Tot Ion: 96 Resp: 935923

Ion Ratio Lower Upper

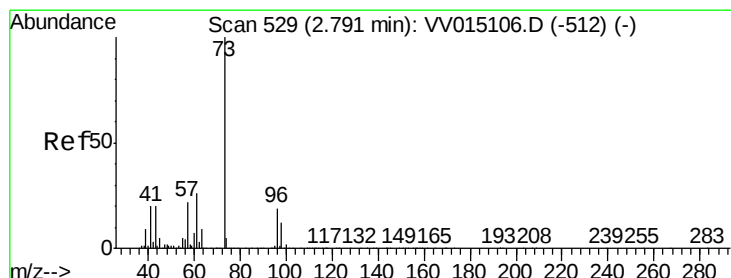
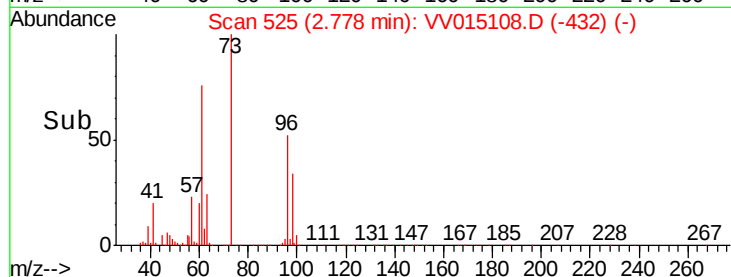
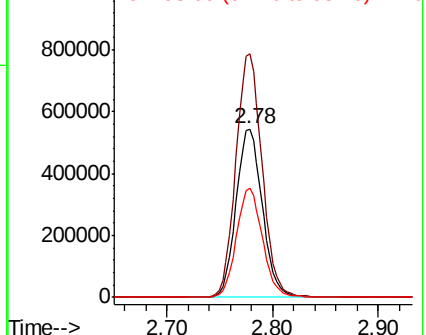
96 100

61 144.5 101.7 188.9

98 64.5 44.5 82.7



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: 237.255 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

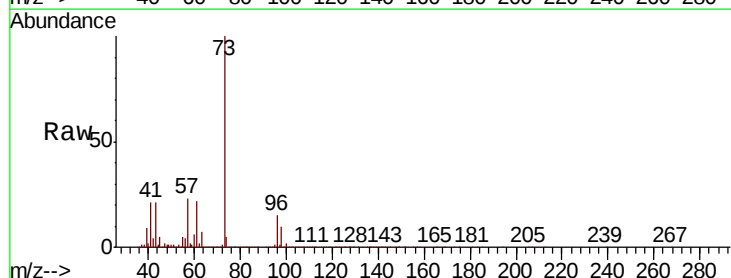
Tgt Ion: 73 Resp: 3634464

Ion Ratio Lower Upper

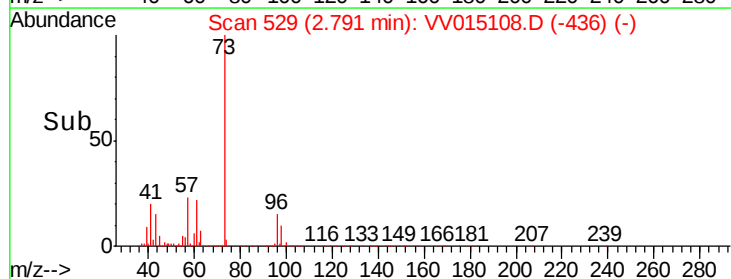
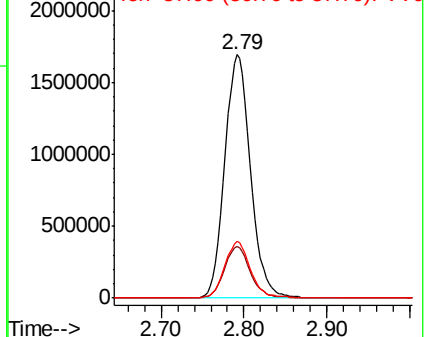
73 100

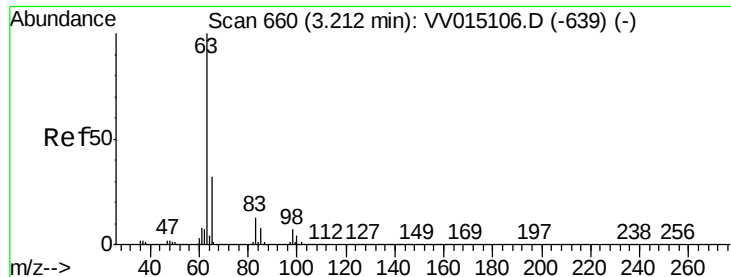
43 20.7 16.7 25.1

57 22.5 17.8 26.8



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: 229.458 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

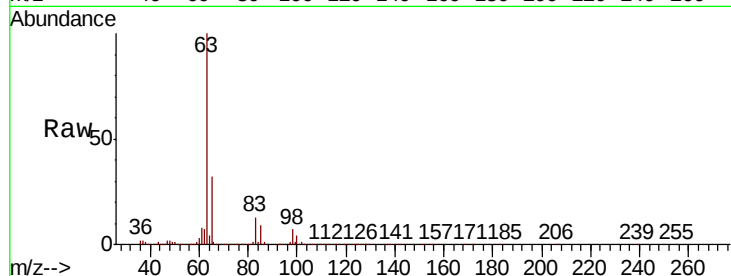
Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 1936031

Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.4	41.6
83	13.2	9.3	17.3

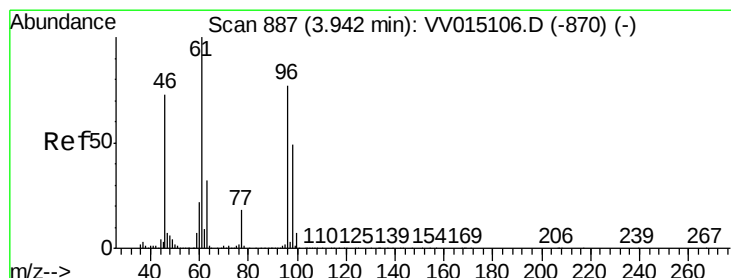
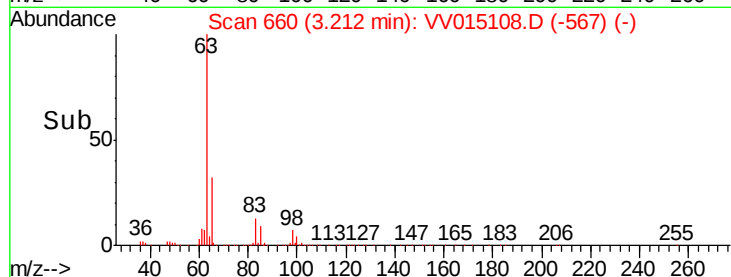
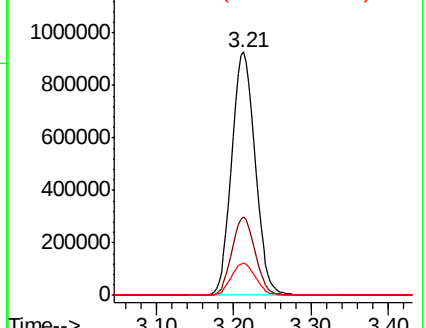


Abundance

Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 212.135 ug/L

RT: 3.94 min Scan# 886

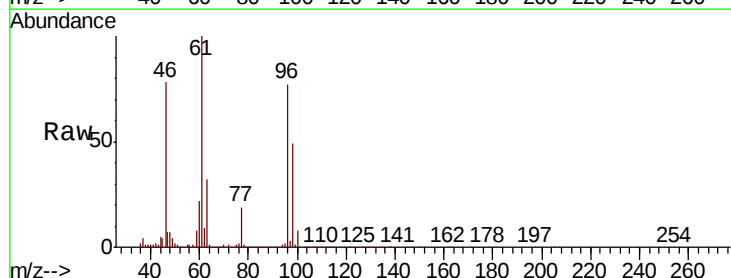
Delta R.T. -0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Tgt Ion: 96 Resp: 1134753

Ion	Ratio	Lower	Upper
96	100		
61	129.8	90.2	167.4
68	0.2	0.3	0.7#

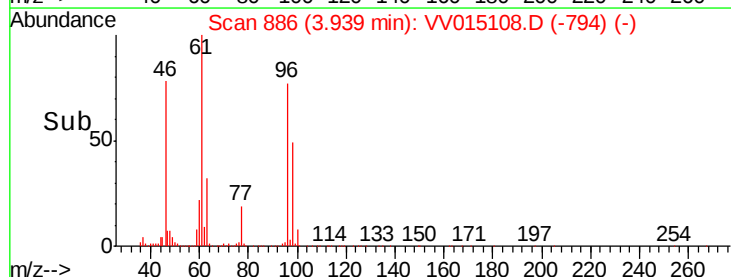
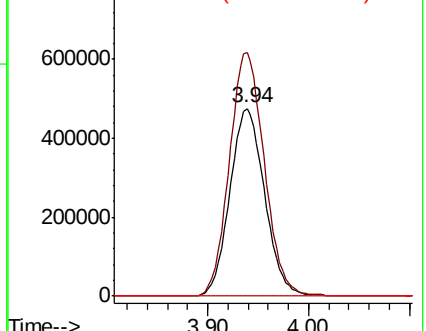


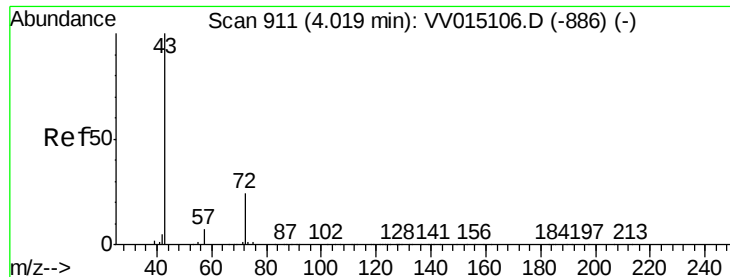
Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 592.730 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

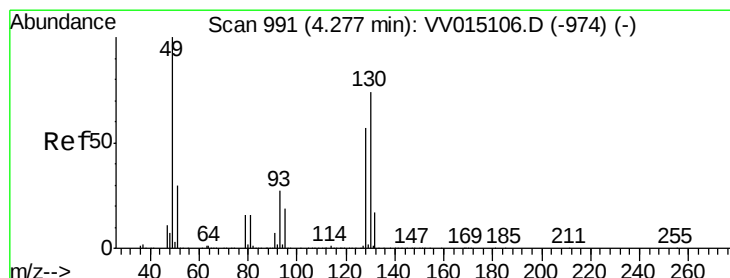
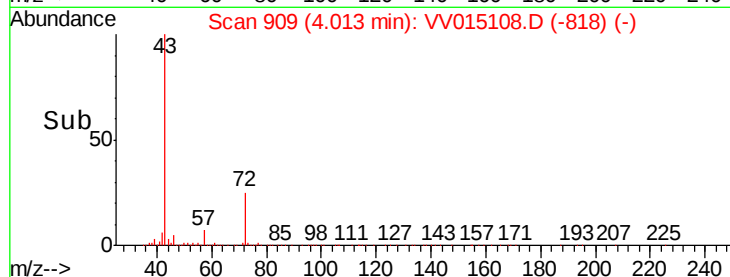
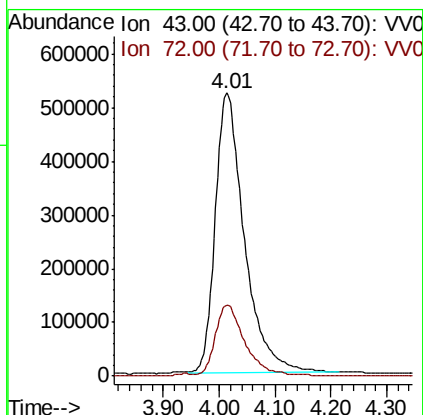
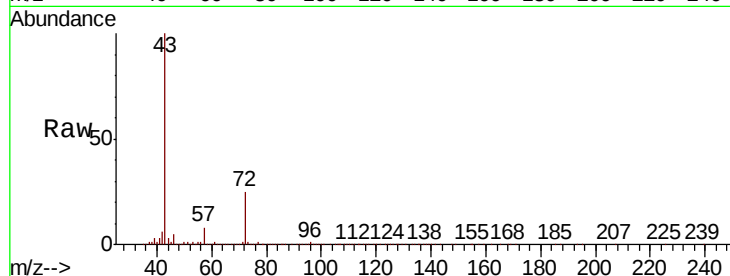
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1891842

Ion Ratio Lower Upper

43 100

72 24.2 11.6 34.8



#23

Bromochloromethane

Concen: 196.929 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Tgt Ion: 128 Resp: 561902

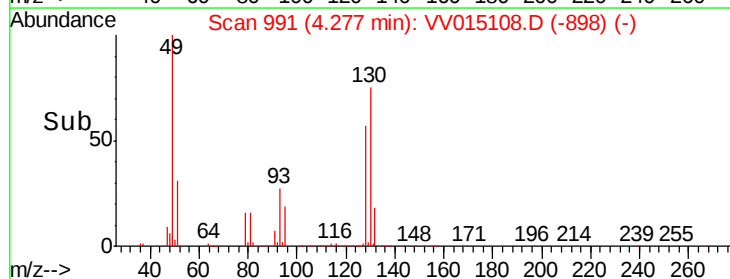
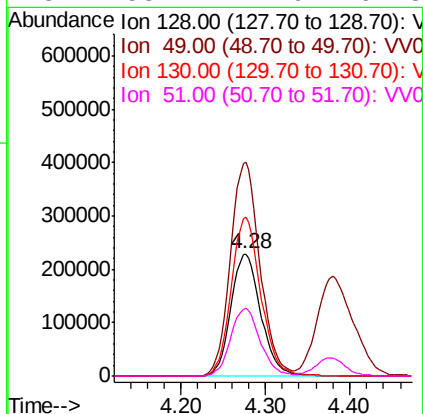
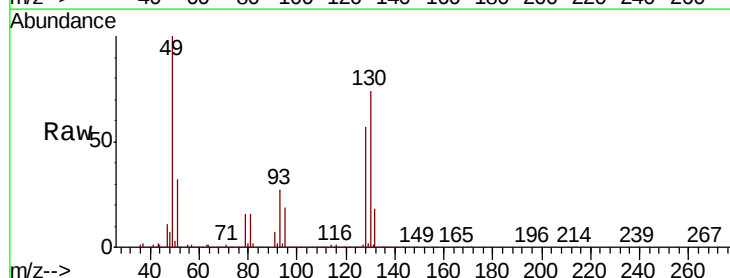
Ion Ratio Lower Upper

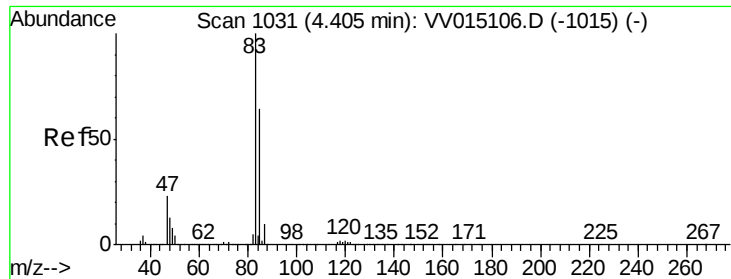
128 100

49 174.7 122.4 227.2

130 129.5 90.5 168.1

51 55.1 42.9 64.3

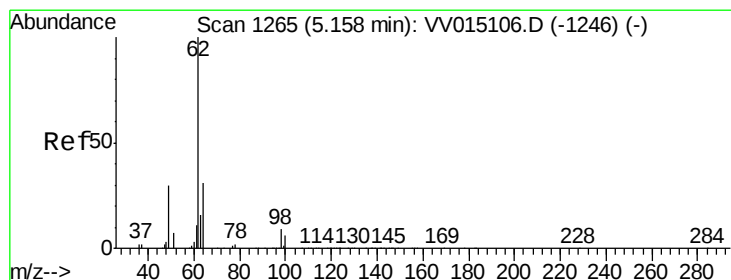
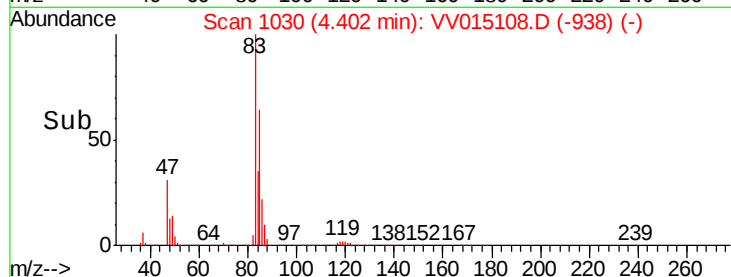
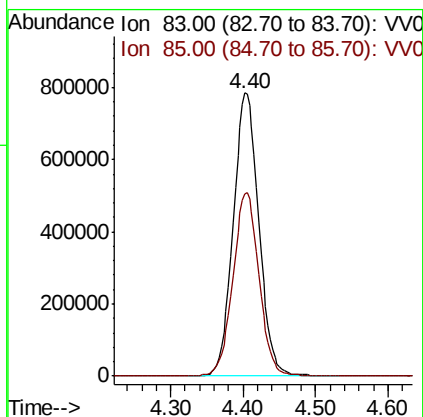
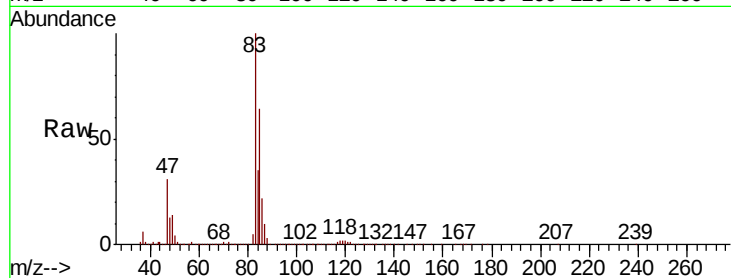




#25
Chloroform
Concen: 208.112 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

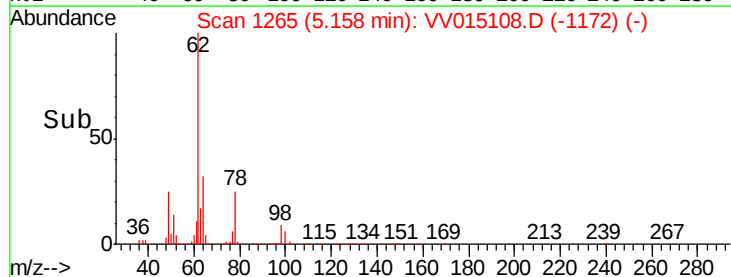
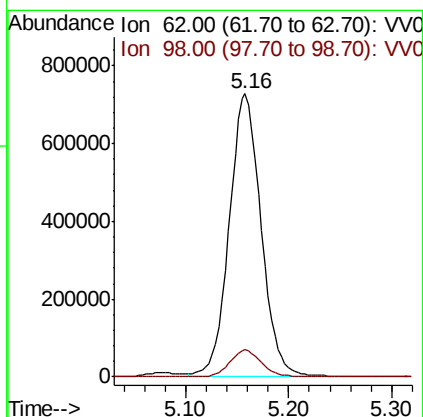
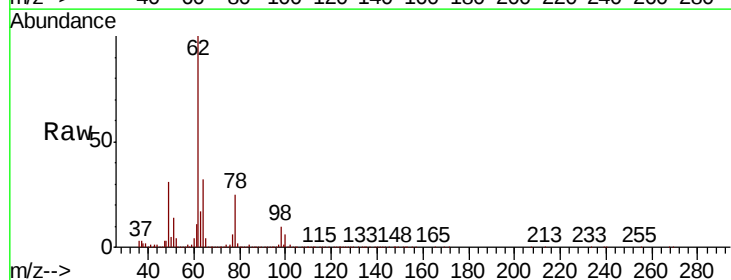
Instrument :
MSVOA_V
ClientSampleId :

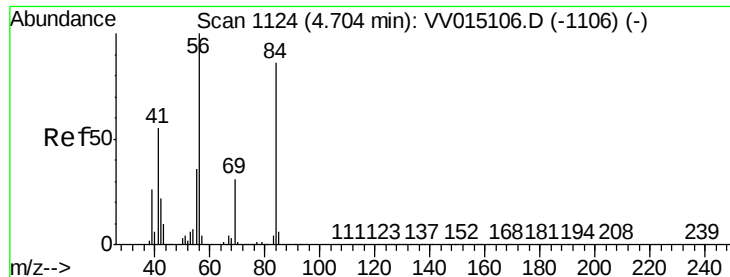
Tot Ion: 83 Resp: 1916144
Ion Ratio Lower Upper
83 100
85 64.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 223.893 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Tgt Ion: 62 Resp: 1554835
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0

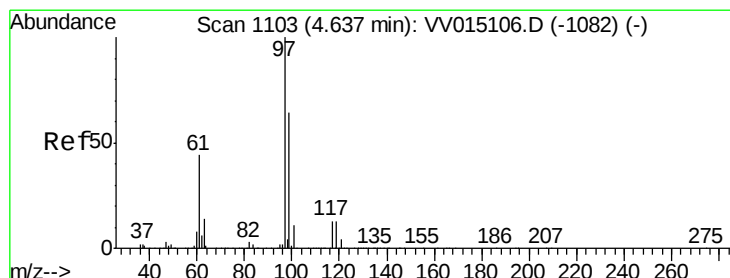
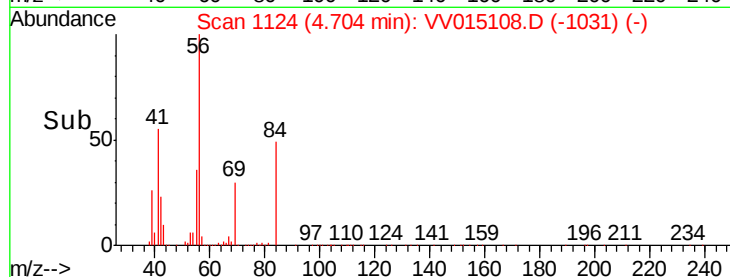
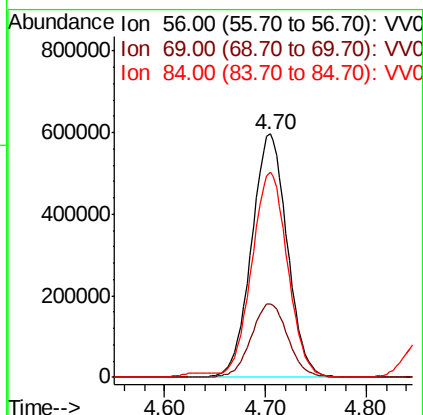
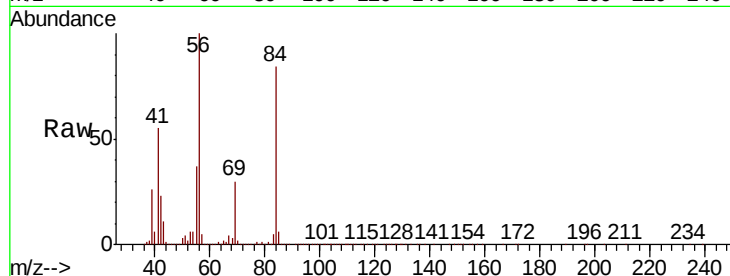




#29
Cyclohexane
Concen: 212.553 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

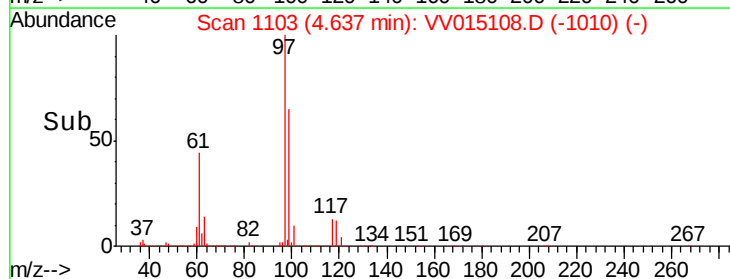
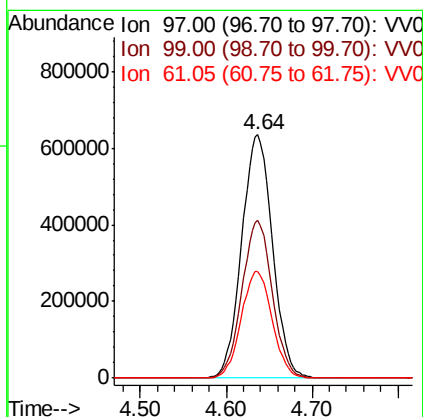
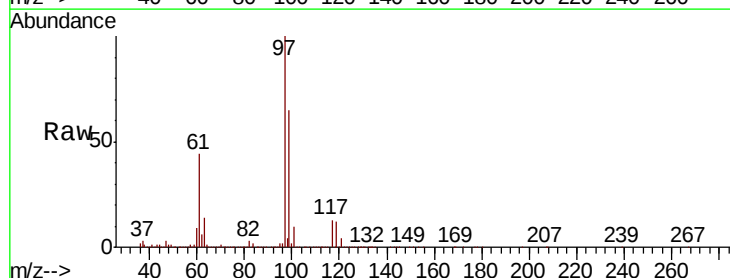
Instrument :
MSVOA_V
ClientSampleId :

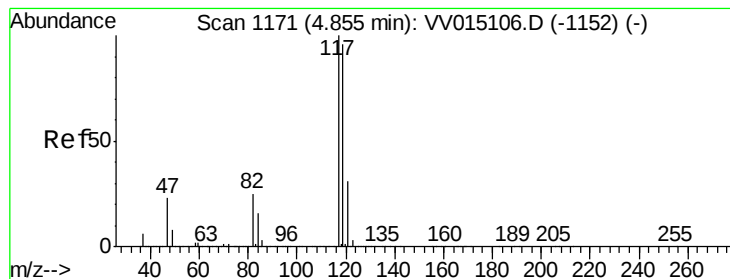
Tot Ion: 56 Resp: 1447532
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 85.3 68.9 103.3



#30
1,1,1-Trichloroethane
Concen: 199.747 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Tgt Ion: 97 Resp: 1576623
Ion Ratio Lower Upper
97 100
99 63.9 52.4 78.6
61 43.8 35.3 52.9





#31

Carbon tetrachloride

Concen: 186.348 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

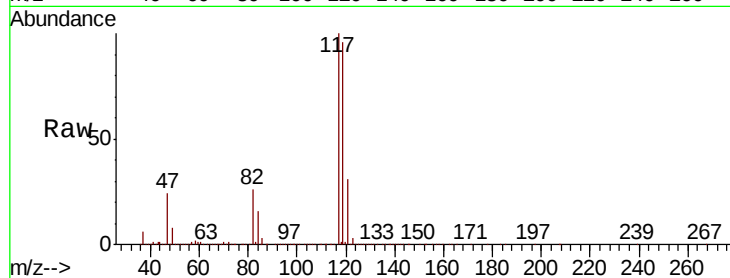
ClientSampled :

Tot Ion:117 Resp: 1308109

Ion Ratio Lower Upper

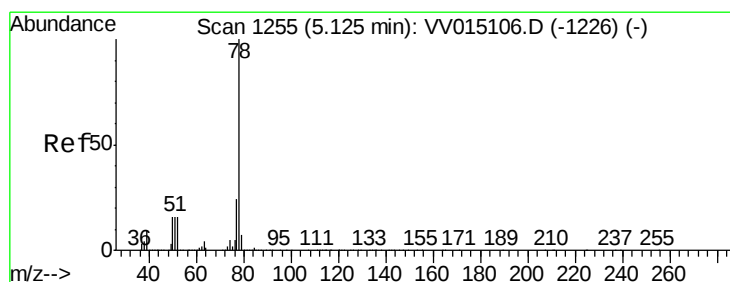
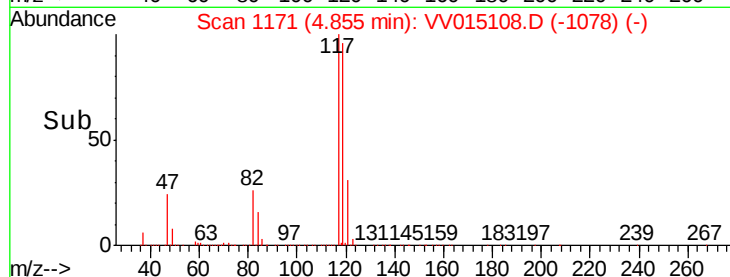
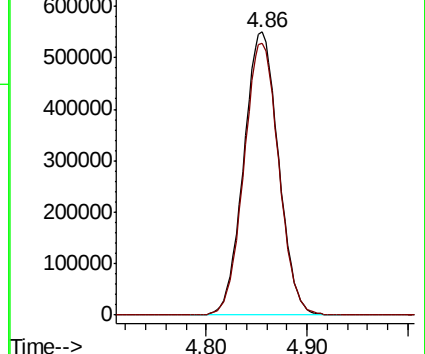
117 100

119 96.2 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 227.456 ug/L

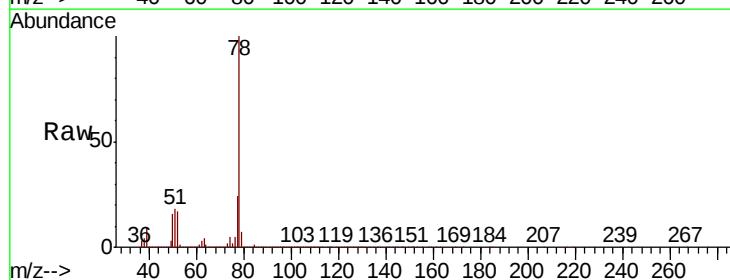
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

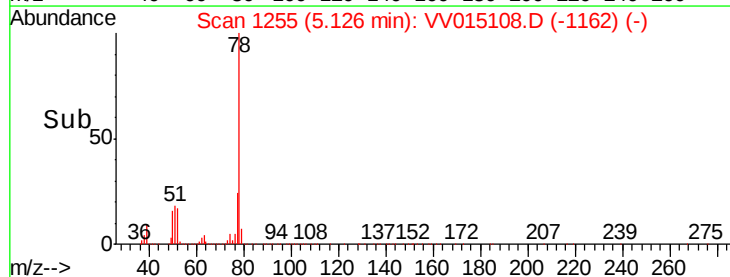
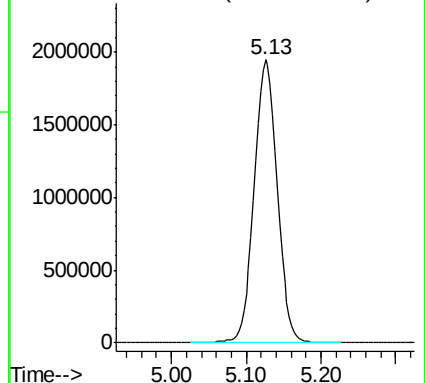
Lab File: VV015108.D

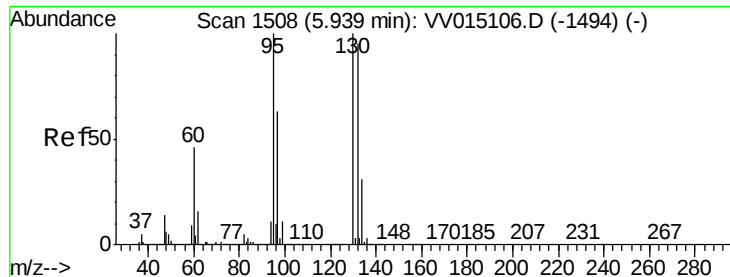
Acq: 24 Mar 2020 00:47

Tgt Ion: 78 Resp: 4201592



Abundance Ion 78.00 (77.70 to 78.70): VV0

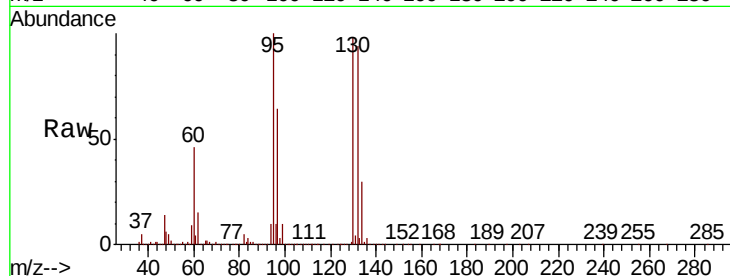




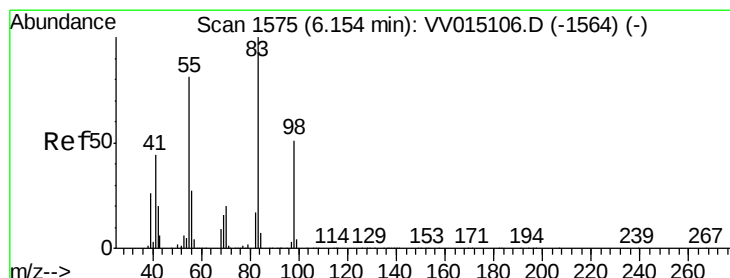
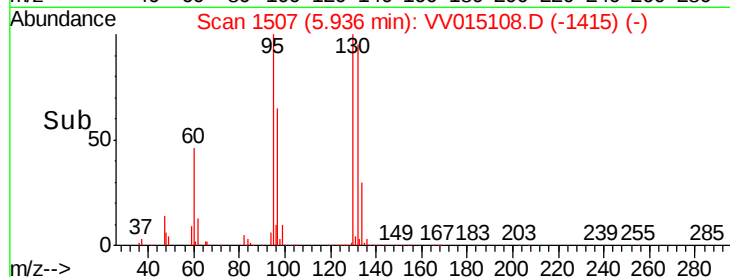
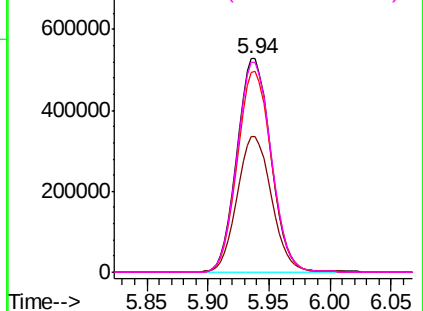
#34
 Trichloroethene
 Concen: 206.772 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 1014159
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.0 83.6
 132 93.6 66.4 123.2
 130 98.2 69.8 129.6

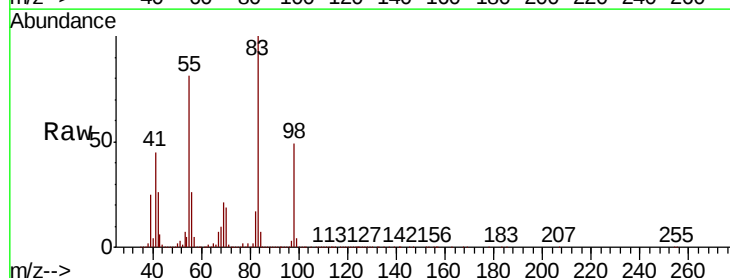


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

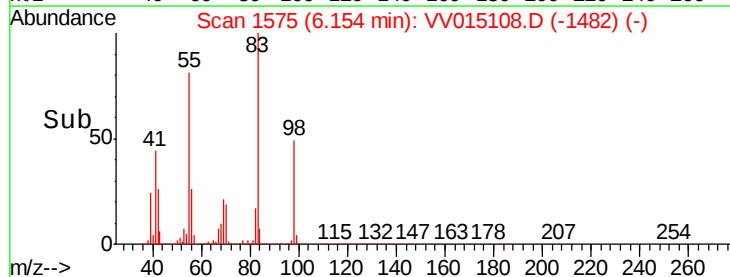
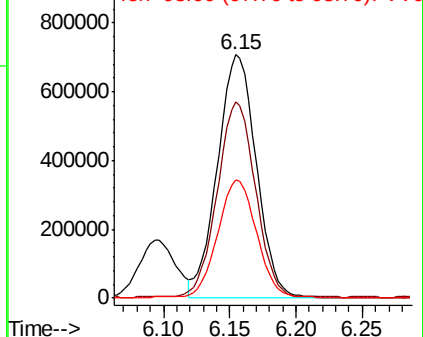


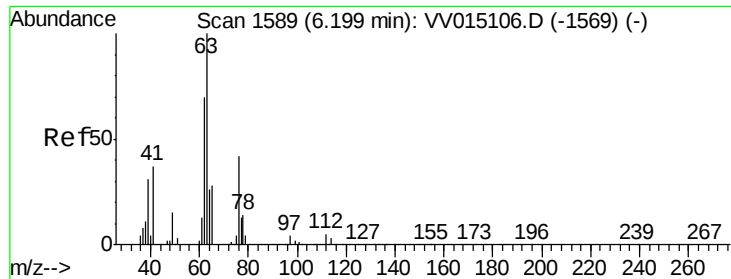
#35
 Methylcyclohexane
 Concen: 185.617 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Tgt Ion: 83 Resp: 1433097
 Ion Ratio Lower Upper
 83 100
 55 78.9 61.8 92.8
 98 48.9 38.1 57.1



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

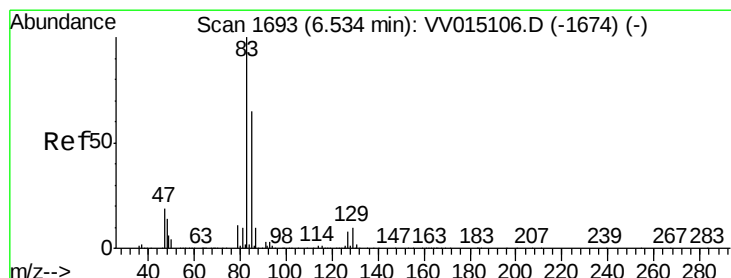
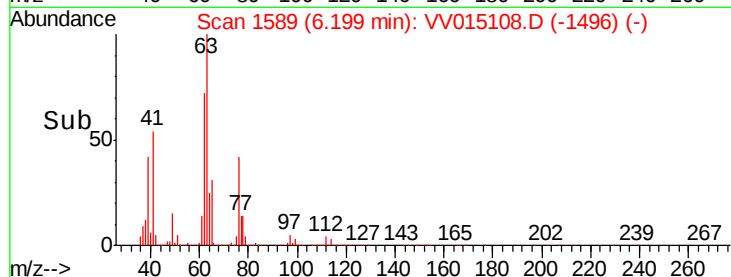
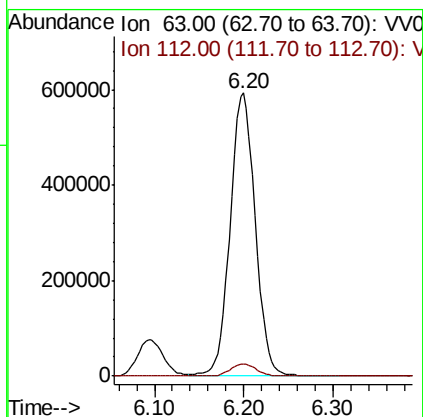
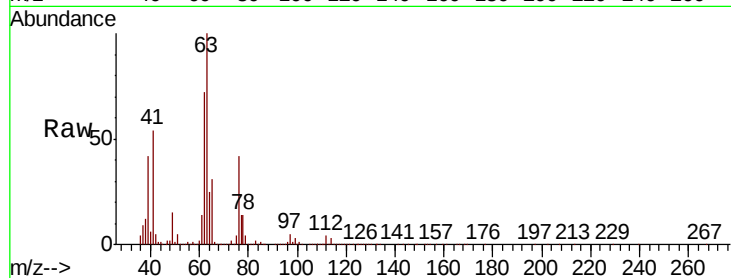




#37
 1,2-Dichloropropane
 Concen: 250.313 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

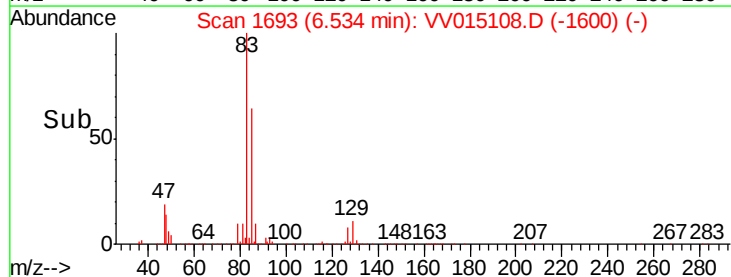
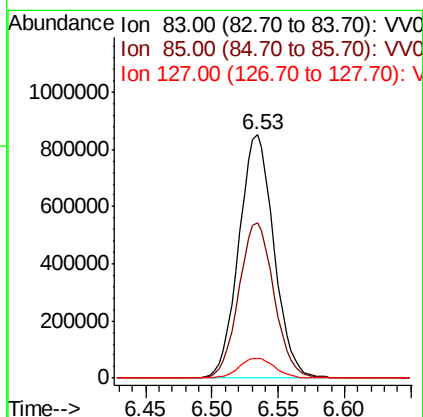
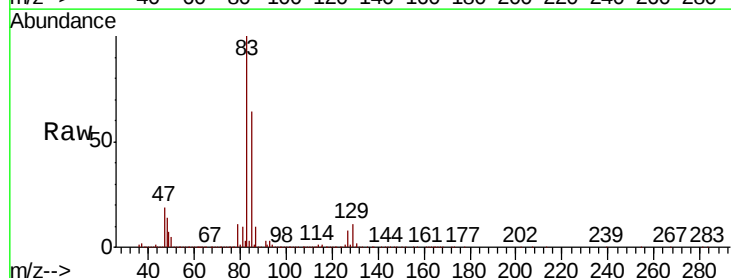
Instrument :
 MSVOA_V
 ClientSampleId :

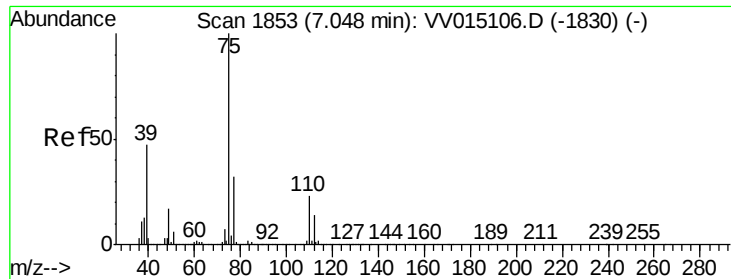
Tot Ion: 63 Resp: 1154254
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 234.628 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Tgt Ion: 83 Resp: 1553566
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.6 84.8
 127 8.3 6.5 9.7



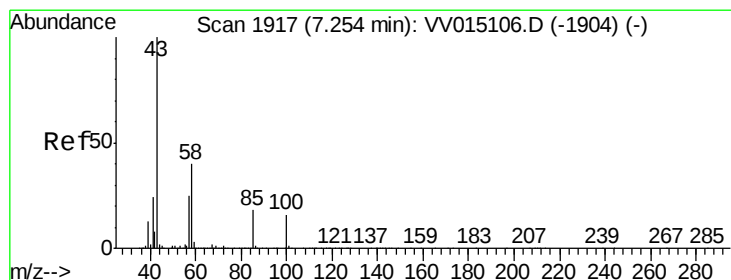
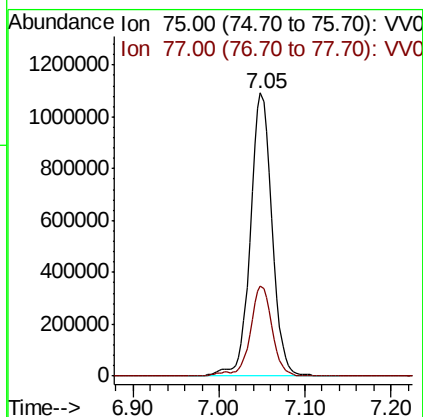
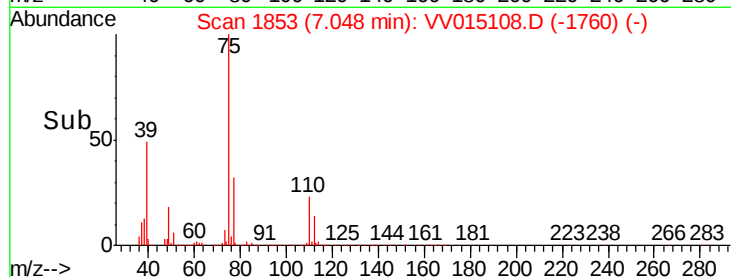
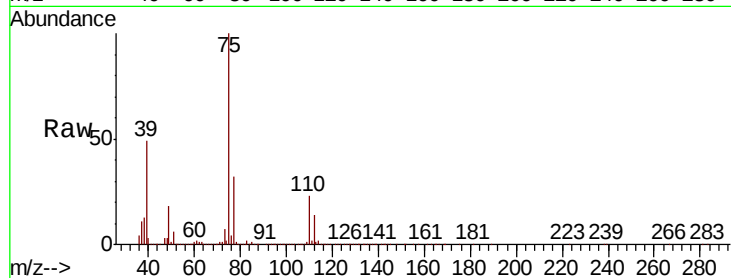


#39

cis-1,3-Dichloropropene
 Concen: 250.807 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Instrument :
 MSVOA_V
 ClientSampleId :

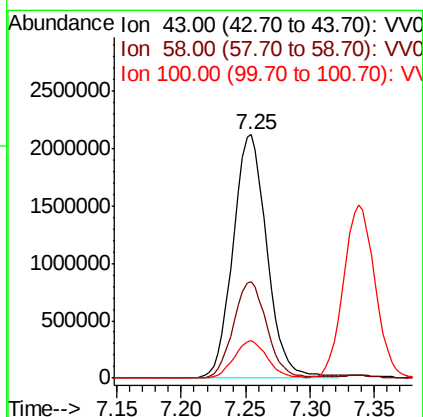
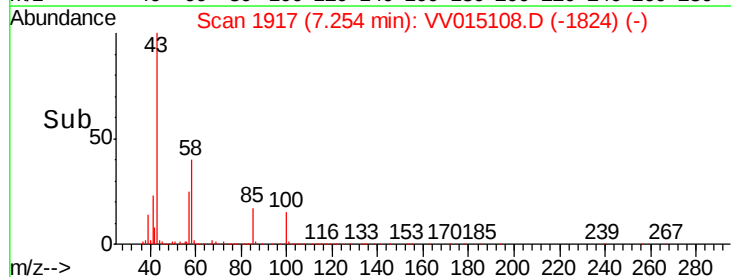
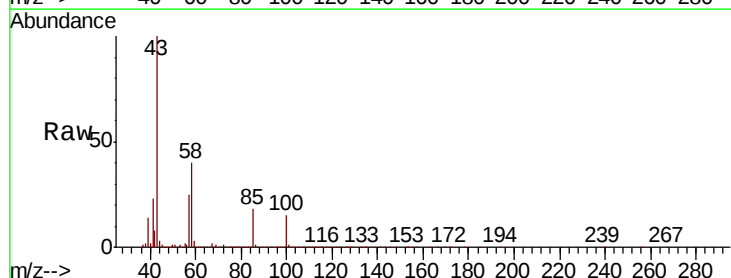
Tot Ion: 75 Resp: 1912351
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5

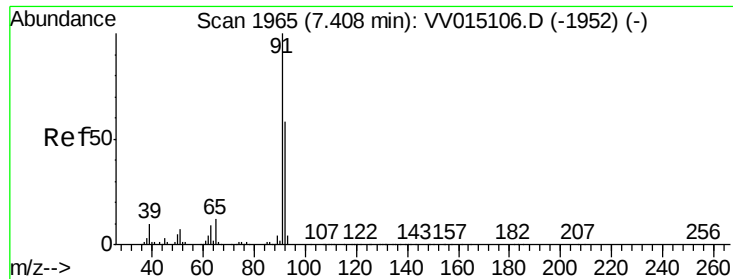


#40

4-Methyl-2-pentanone
 Concen: 576.659 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Tgt Ion: 43 Resp: 3849491
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8
 100 15.2 12.2 18.4





#42

Toluene

Concen: 214.940 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

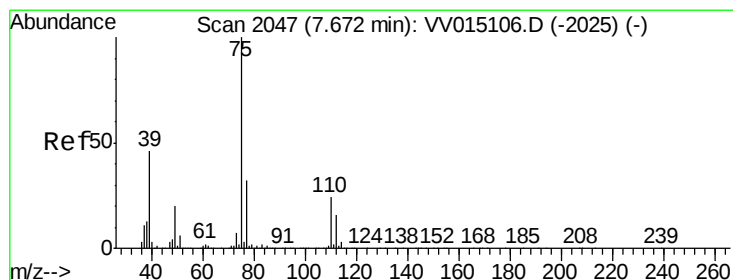
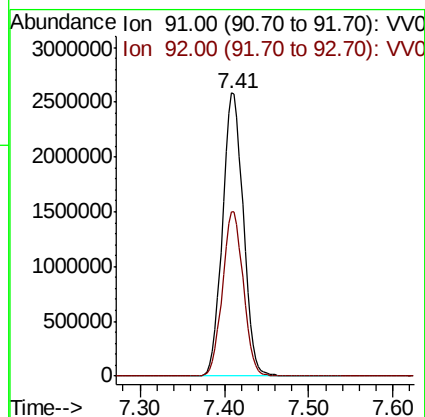
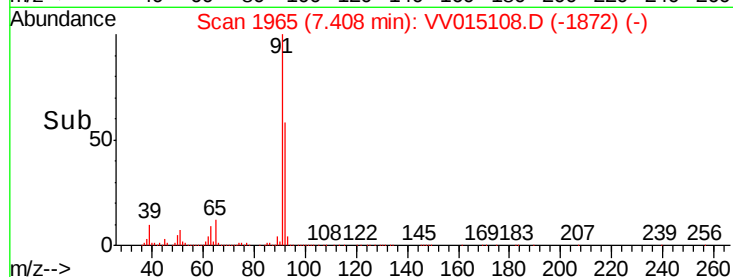
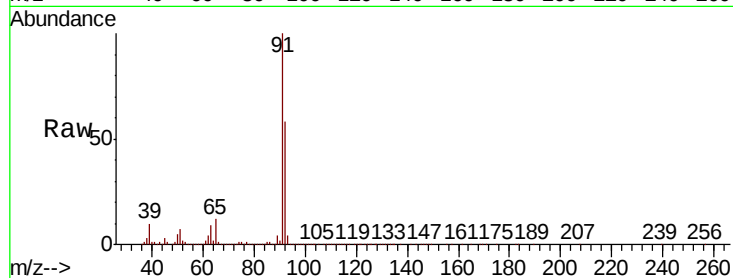
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4426405

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 254.667 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015108.D

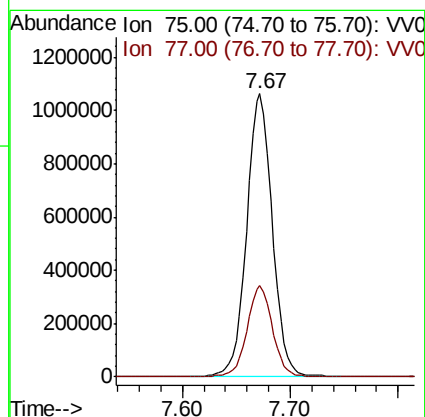
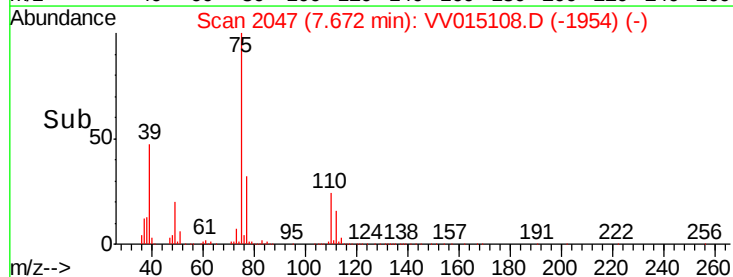
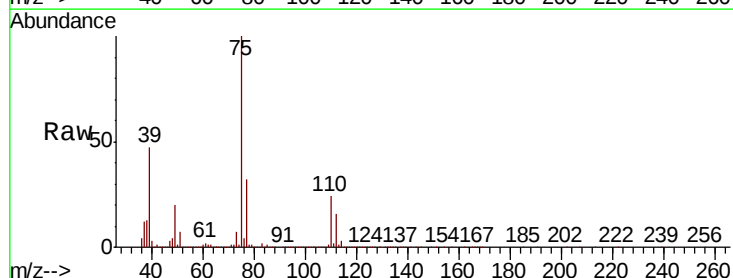
Acq: 24 Mar 2020 00:47

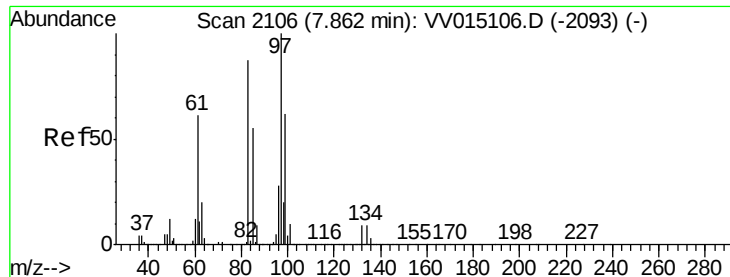
Tgt Ion: 75 Resp: 1758691

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2



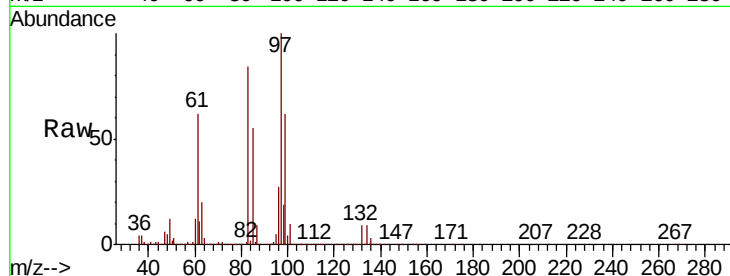


#45
 1,1,2-Trichloroethane
 Concen: 225.889 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 1094912

Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.8	81.3
83	84.5	61.0	113.4
85	55.5	38.7	71.9



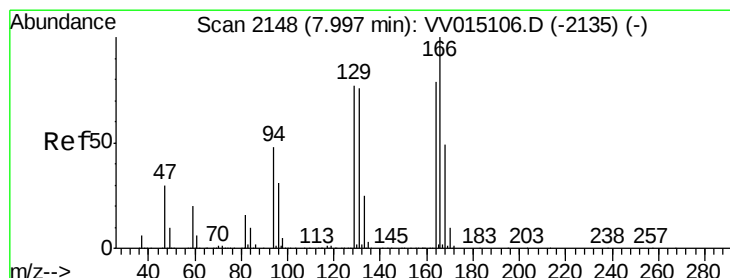
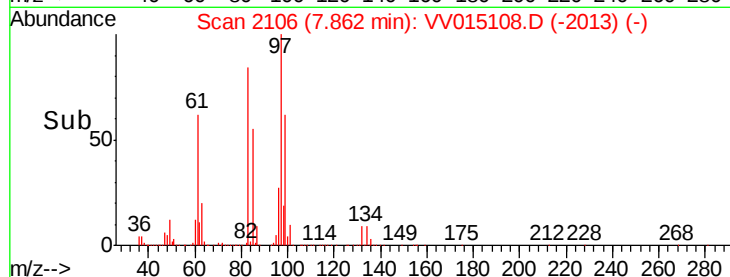
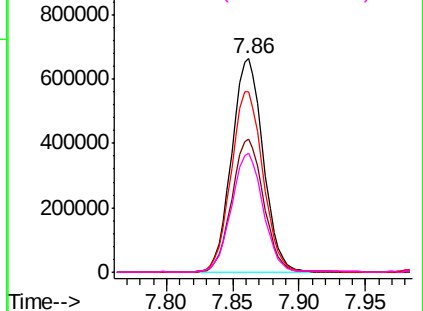
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 158.531 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Tgt Ion: 164 Resp: 697322

Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.3	126.8
131	95.1	67.3	125.1
166	127.0	88.1	163.7

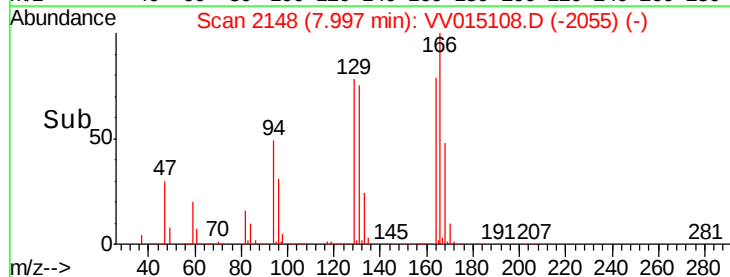
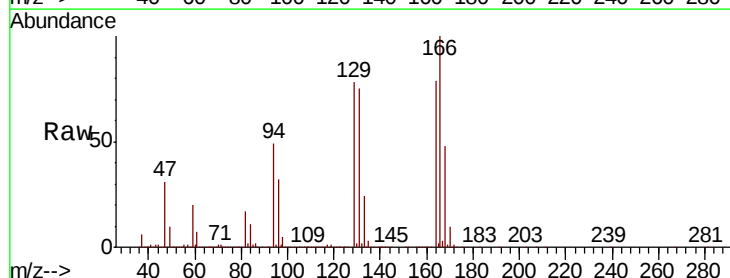
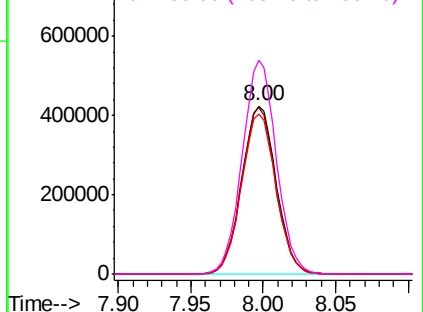
Abundance

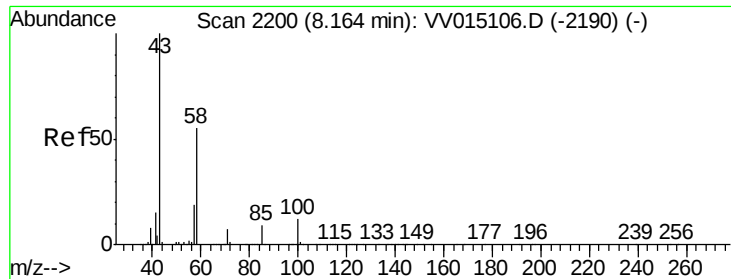
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

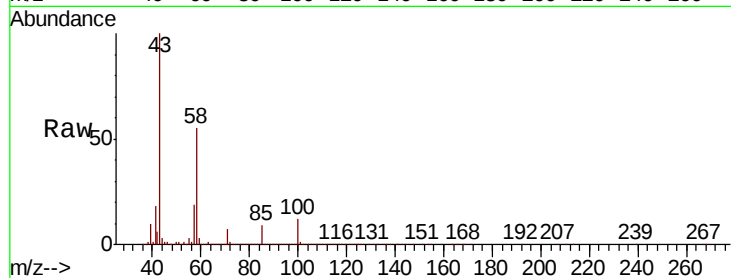




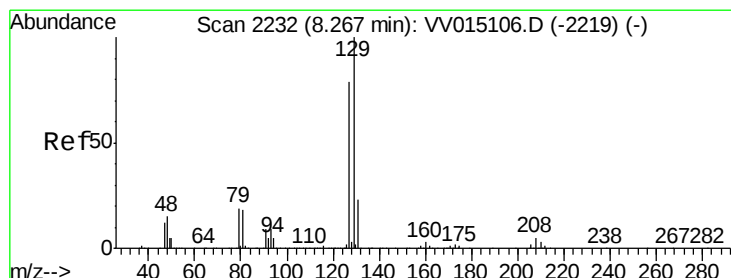
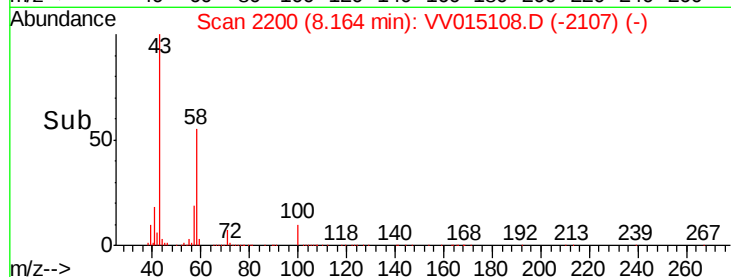
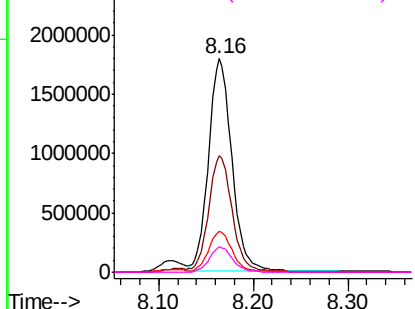
#48
2-Hexanone
Concen: 615.207 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3088807
Ion Ratio Lower Upper
43 100
58 55.0 44.2 66.2
57 18.9 14.0 21.0
100 11.8 9.6 14.4

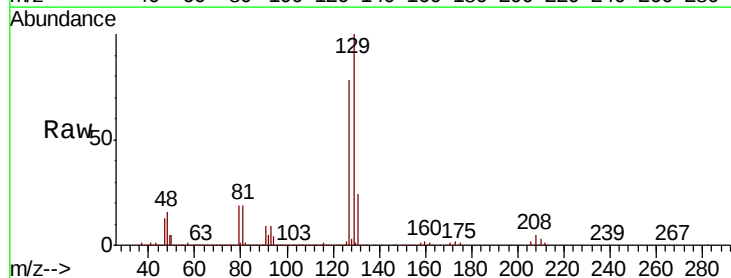


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

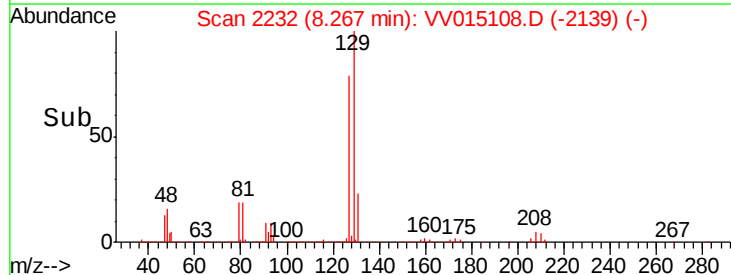
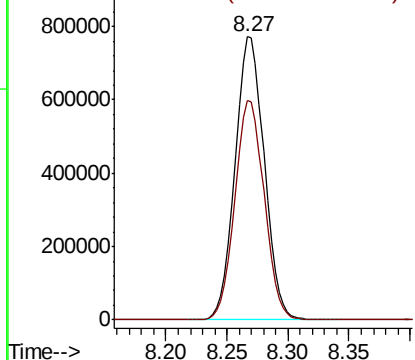


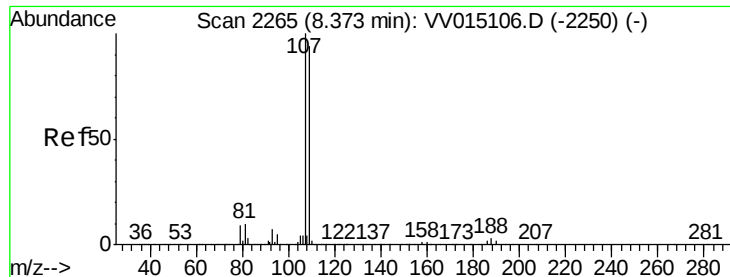
#49
Dibromochloromethane
Concen: 227.654 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Tgt Ion: 129 Resp: 1281182
Ion Ratio Lower Upper
129 100
127 77.6 55.2 102.6



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

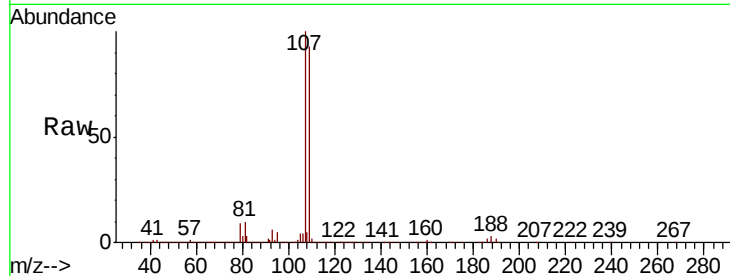




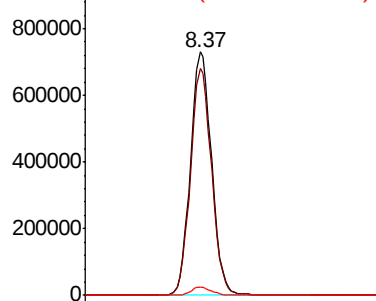
#50
1,2-Dibromoethane
Concen: 222.314 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

Instrument :
MSVOA_V
ClientSampleId :

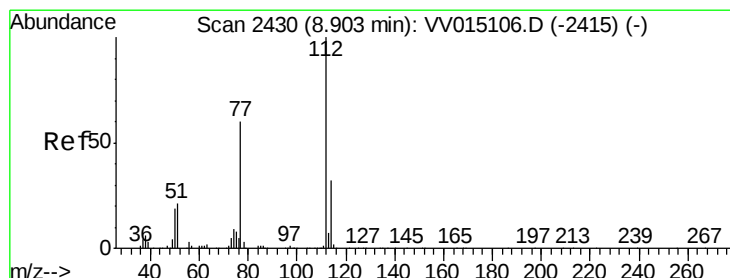
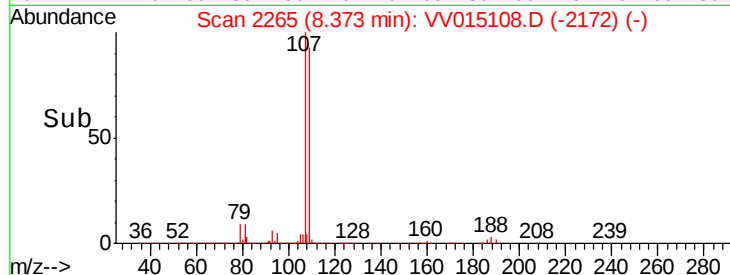
Tot Ion:107 Resp: 1195895
Ion Ratio Lower Upper
107 100
109 93.2 65.9 122.5
188 3.4 2.4 3.6



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

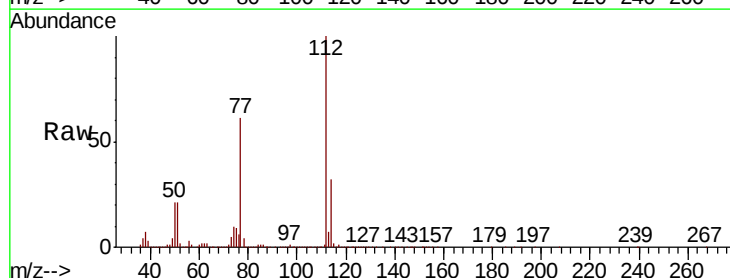


Time-->

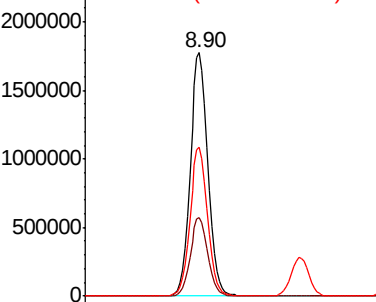


#51
Chlorobenzene
Concen: 198.055 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015108.D
Acq: 24 Mar 2020 00:47

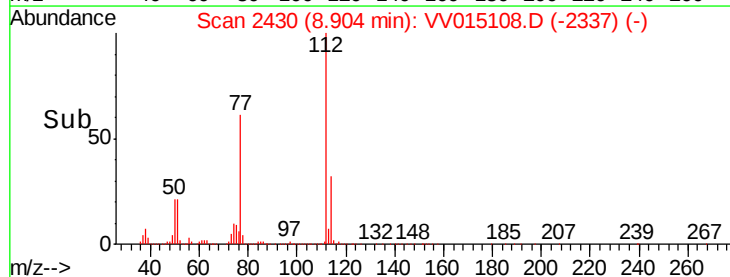
Tgt Ion:112 Resp: 2827650
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 61.1 48.1 72.1

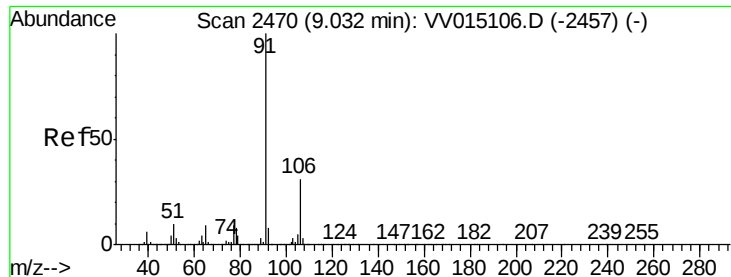


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 207.080 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

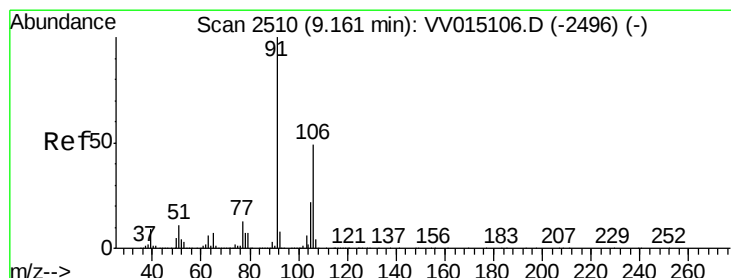
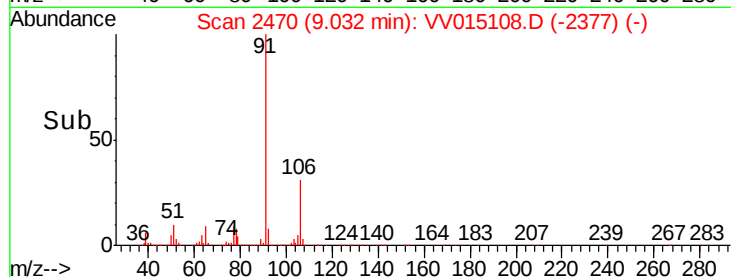
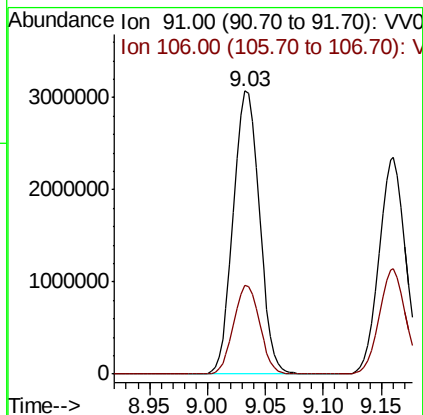
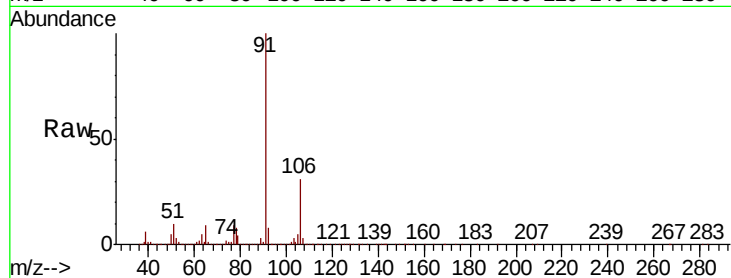
ClientSampleId :

Tot Ion: 91 Resp: 4827709

Ion Ratio Lower Upper

91 100

106 31.2 21.9 40.7



#53

m,p-Xylene

Concen: 203.672 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015108.D

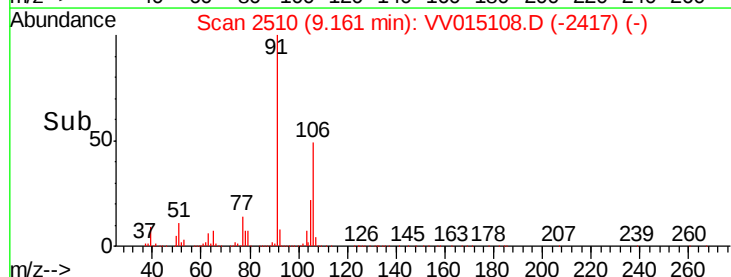
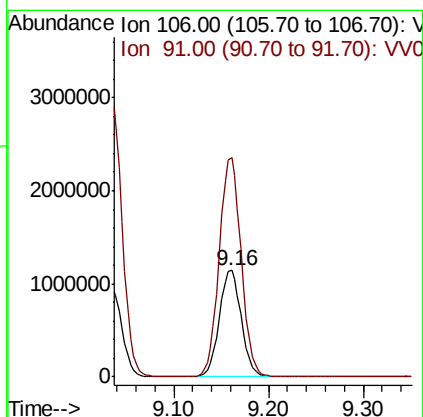
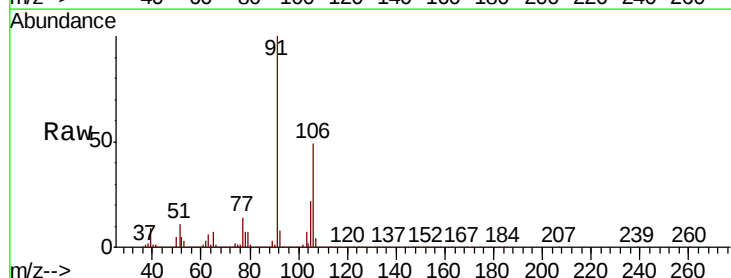
Acq: 24 Mar 2020 00:47

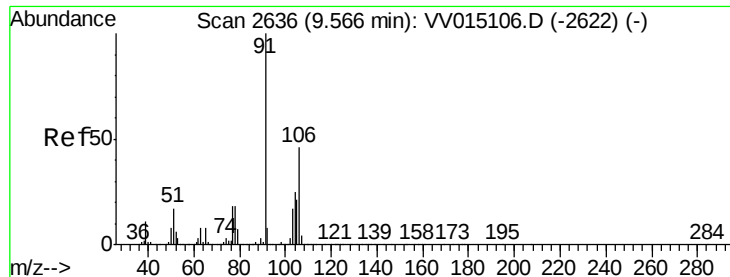
Tgt Ion: 106 Resp: 1838644

Ion Ratio Lower Upper

106 100

91 205.8 143.9 267.2





#54

o-xylene

Concen: 209.078 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

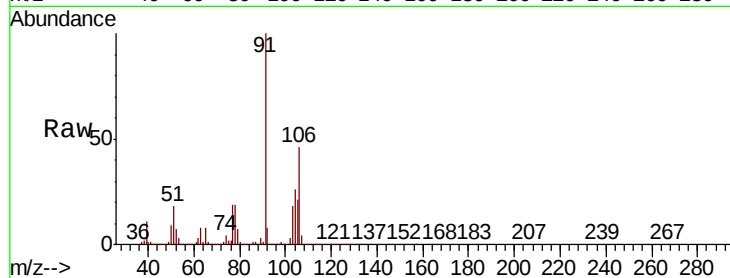
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1877738

Ion Ratio Lower Upper

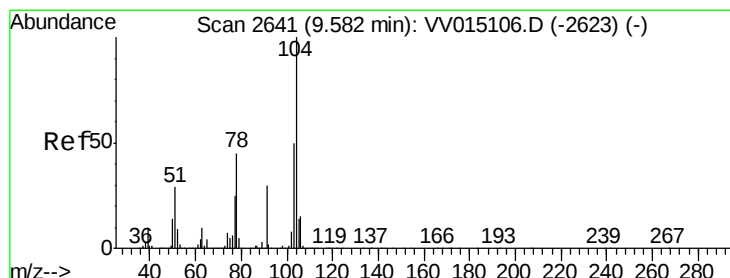
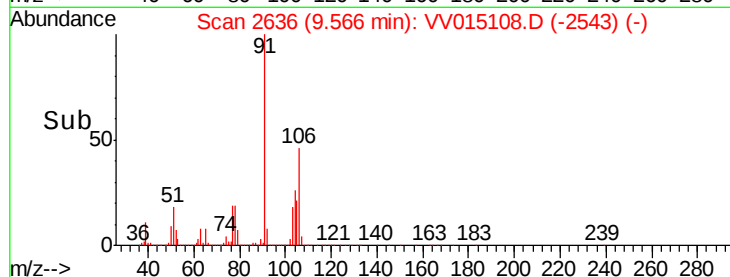
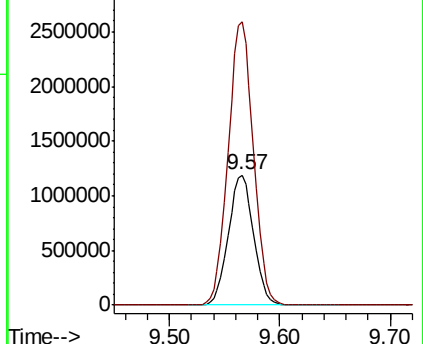
106 100

91 217.9 151.1 280.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 221.009 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015108.D

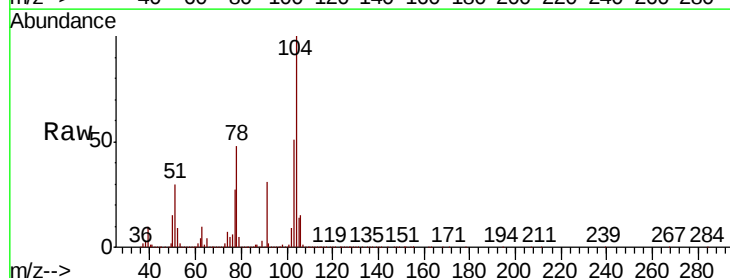
Acq: 24 Mar 2020 00:47

Tgt Ion:104 Resp: 3359314

Ion Ratio Lower Upper

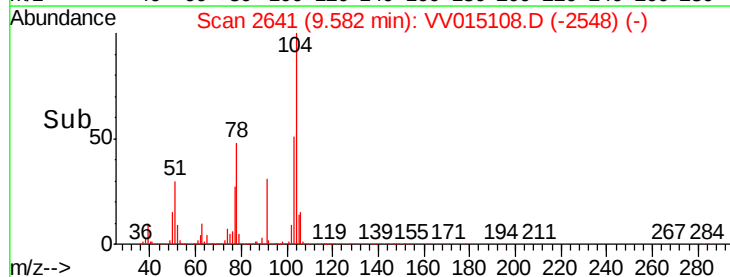
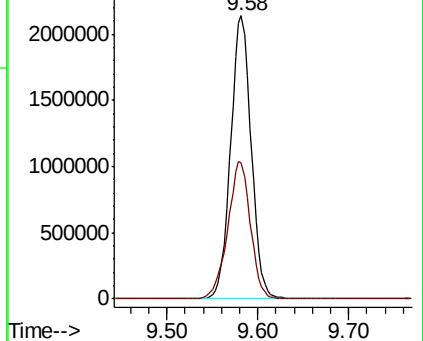
104 100

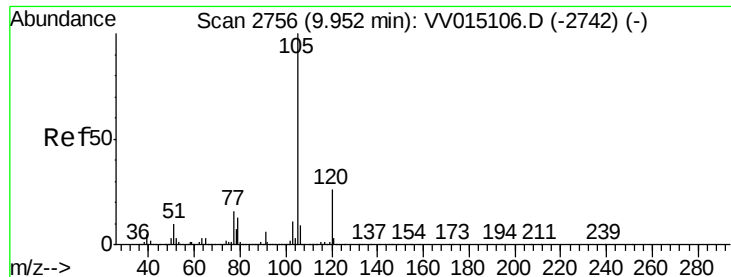
78 48.0 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 199.611 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

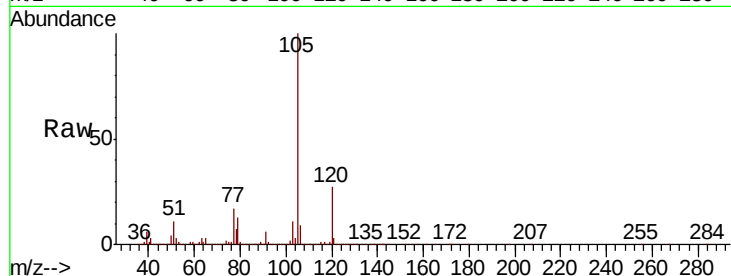
Tot Ion:105 Resp: 4626744

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

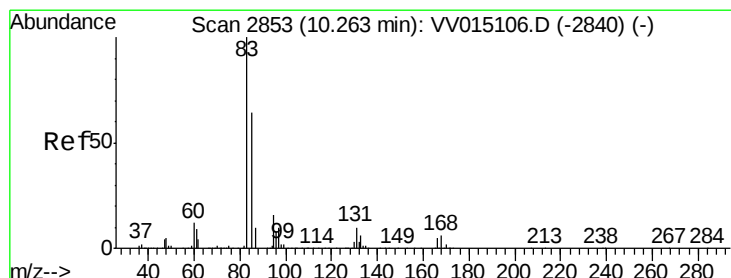
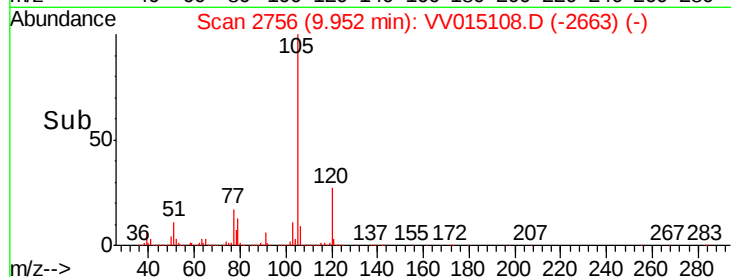
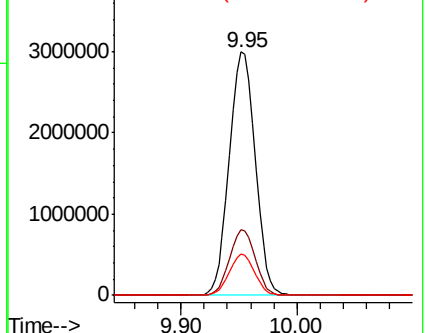
77 16.5 12.8 19.2



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: 241.082 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

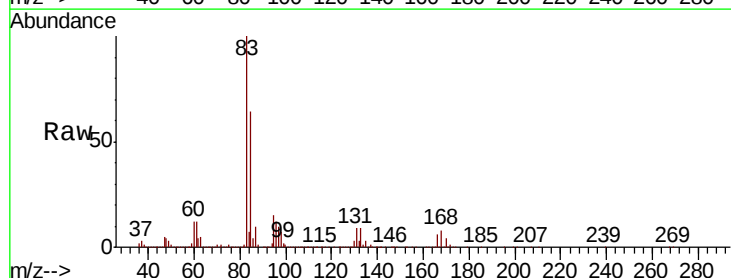
Tgt Ion: 83 Resp: 1926352

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

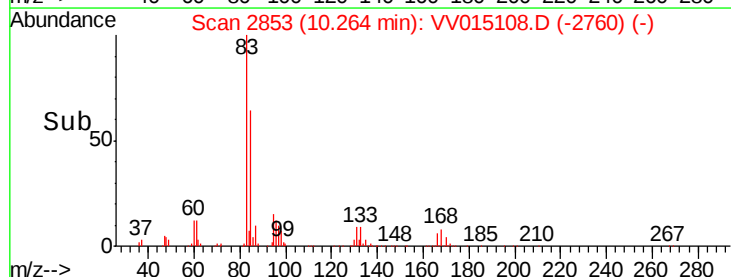
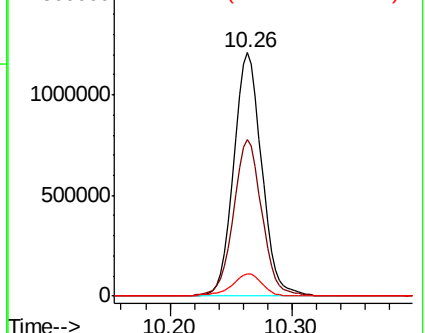
131 9.3 7.8 11.8

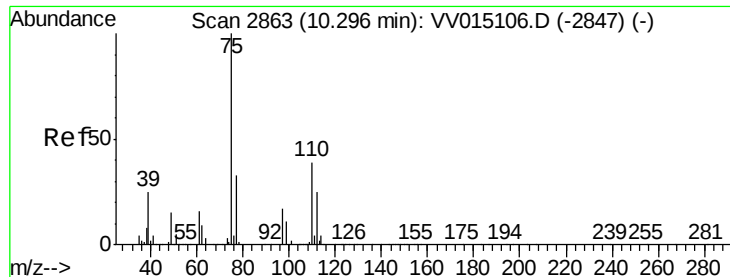


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 241.260 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

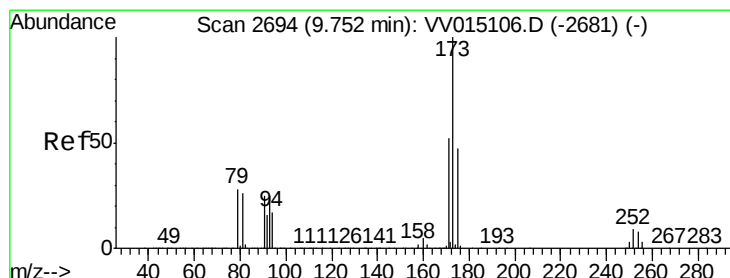
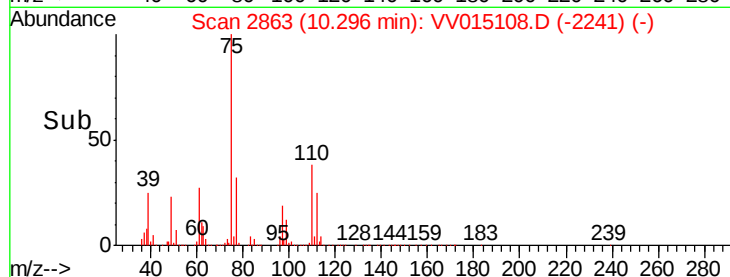
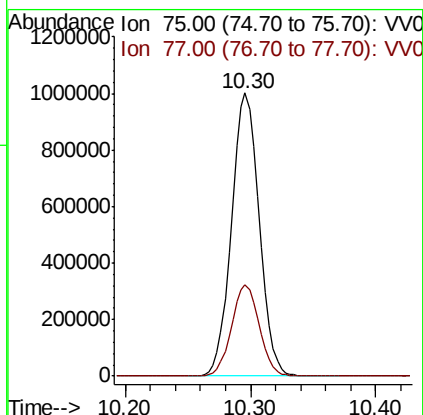
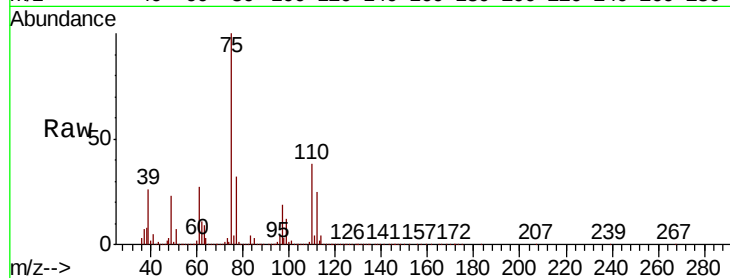
ClientSampleId :

Tot Ion: 75 Resp: 1532336

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#61

Bromoform

Concen: 252.378 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

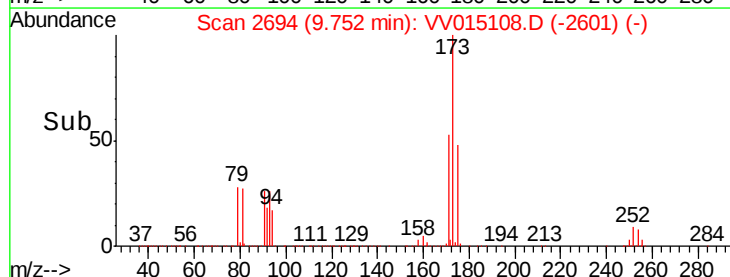
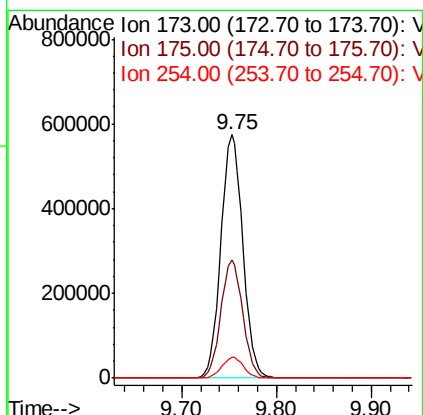
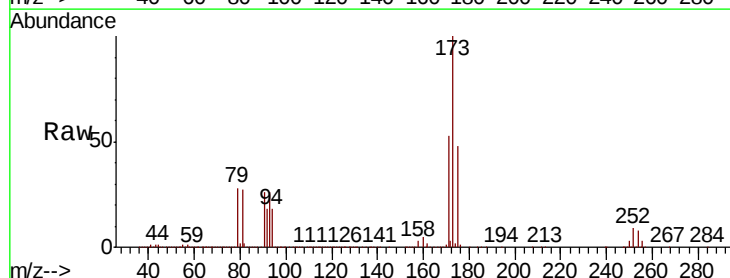
Tgt Ion: 173 Resp: 922982

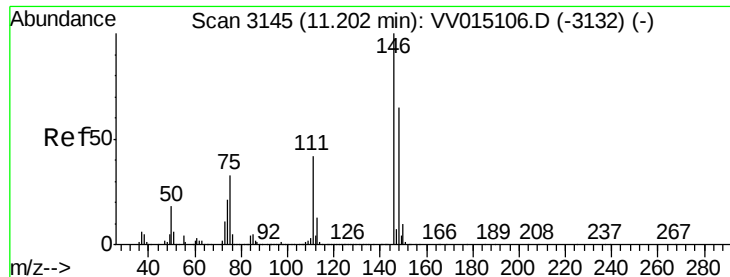
Ion Ratio Lower Upper

173 100

175 48.4 38.1 57.1

254 8.4 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 204.703 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

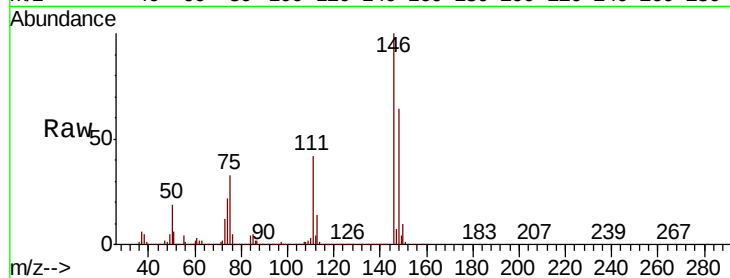
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 2165469

Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.7	55.1
148	63.9	45.3	84.1

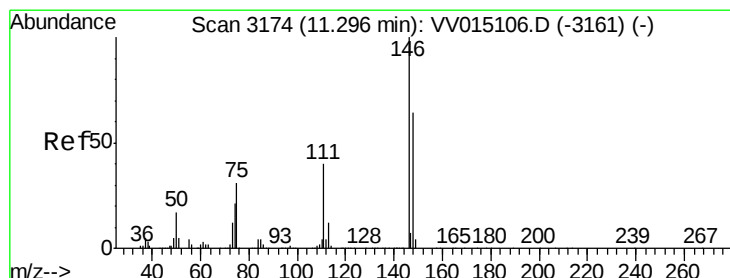
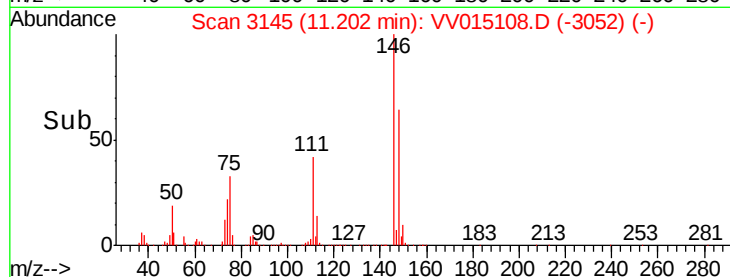
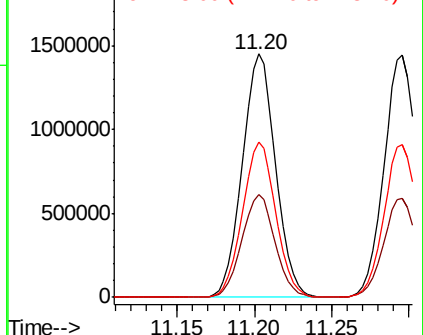


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 197.349 ug/L

RT: 11.30 min Scan# 3174

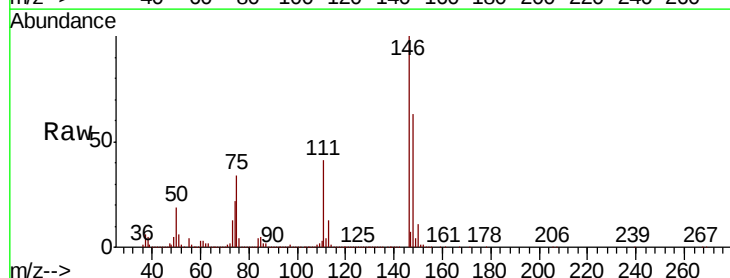
Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Tgt Ion:146 Resp: 2175567

Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.2	52.4
148	63.3	44.9	83.5

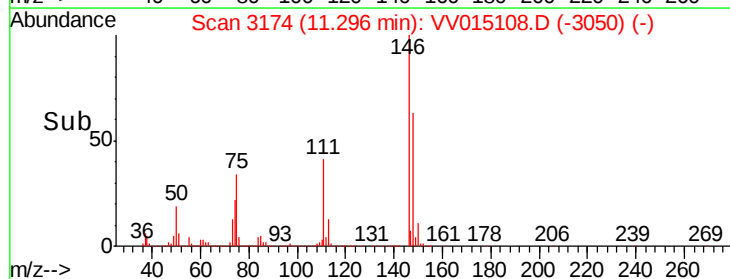
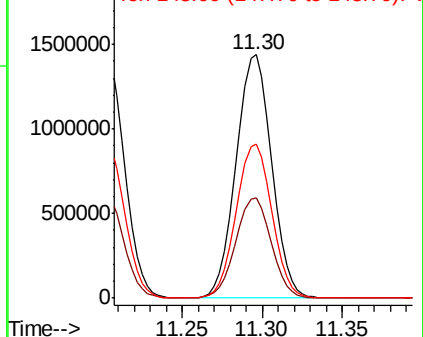


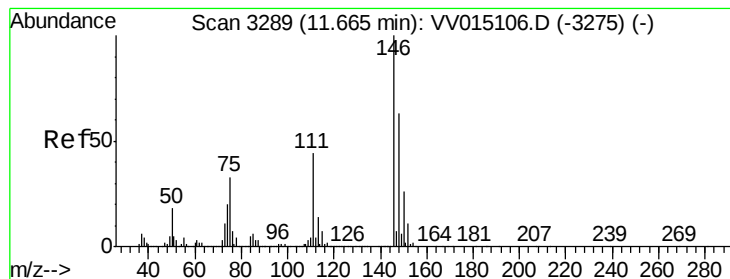
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 197.001 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

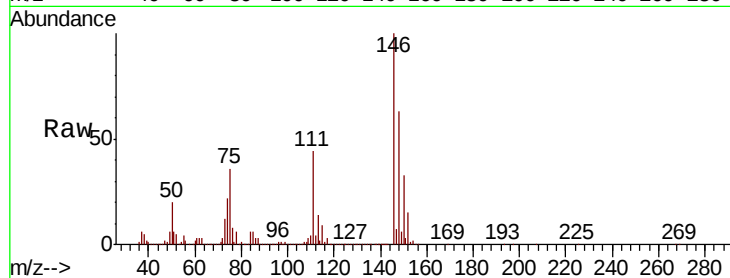
Tot Ion:146 Resp: 2228822

Ion Ratio Lower Upper

146 100

111 44.4 35.2 52.8

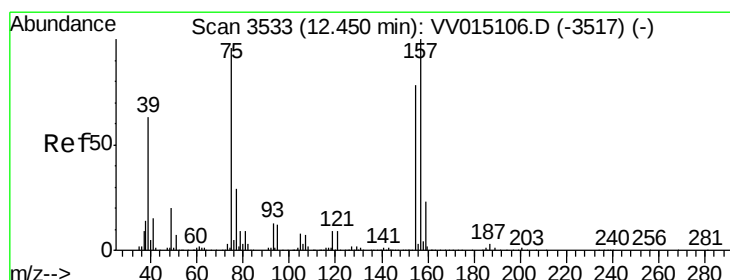
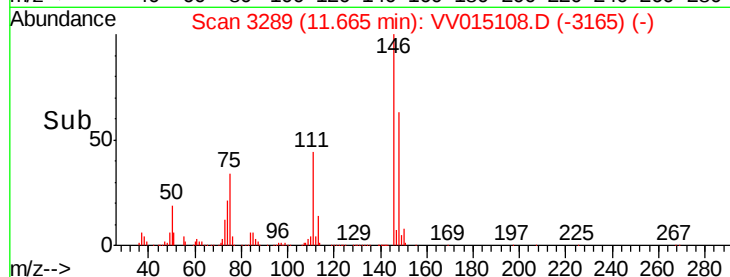
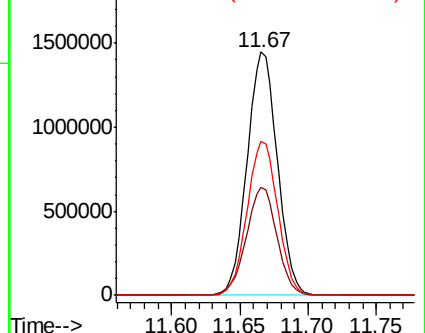
148 63.3 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 284.594 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

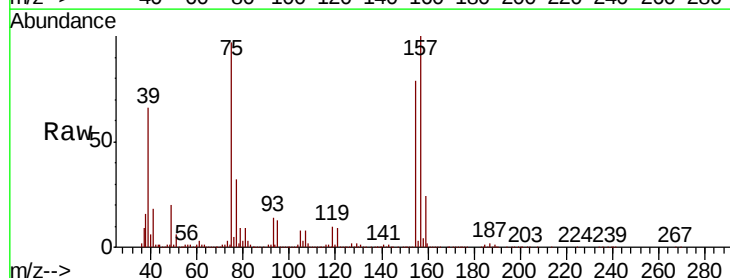
Tgt Ion: 75 Resp: 501136

Ion Ratio Lower Upper

75 100

155 81.0 65.2 97.8

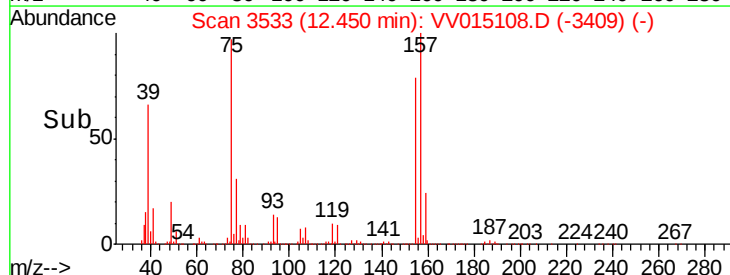
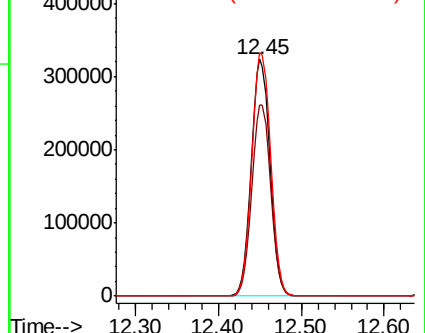
157 102.9 83.3 124.9

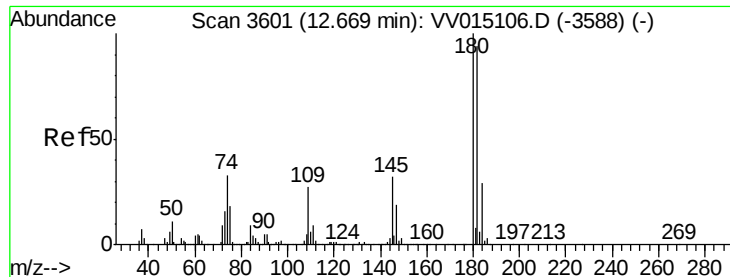


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

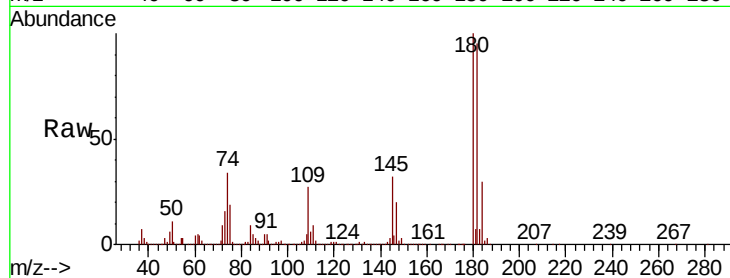




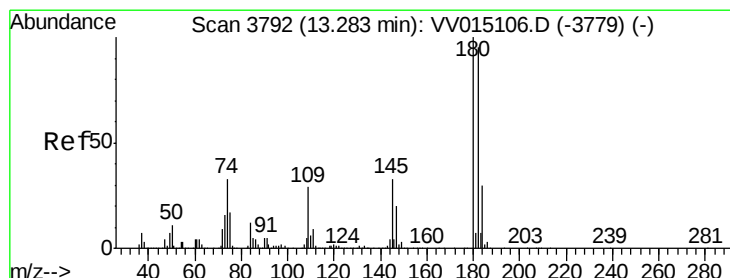
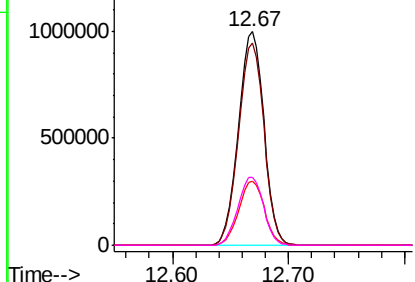
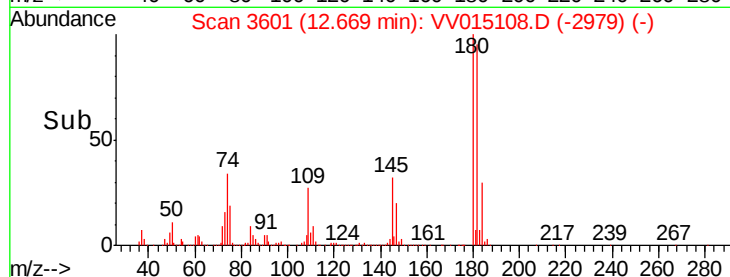
#67
 1,3,5-Trichlorobenzene
 Concen: 185.328 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1512896
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 30.2 23.7 35.5
 145 32.1 25.8 38.6

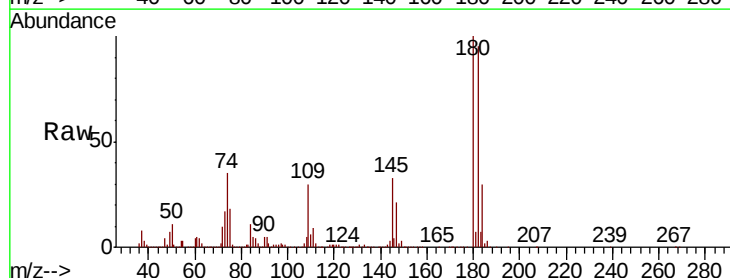


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

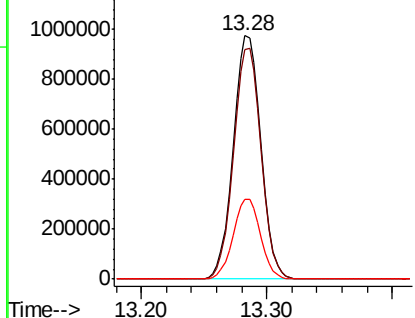
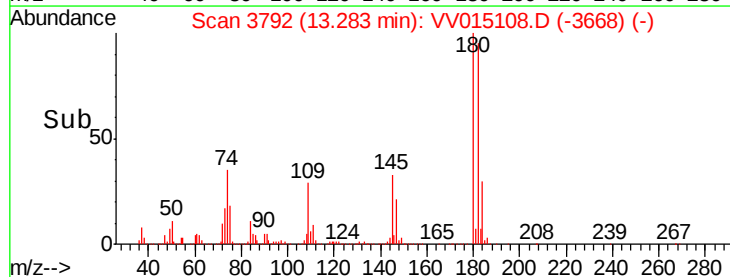


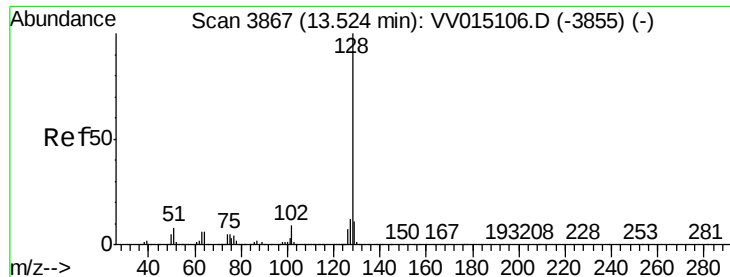
#68
 1,2,4-trichlorobenzene
 Concen: 194.929 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015108.D
 Acq: 24 Mar 2020 00:47

Tgt Ion:180 Resp: 1481304
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 145 32.7 26.4 39.6



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: 266.604 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

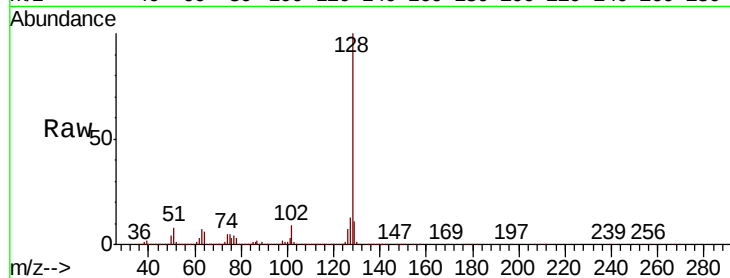
Tot Ion:128 Resp: 2899132

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

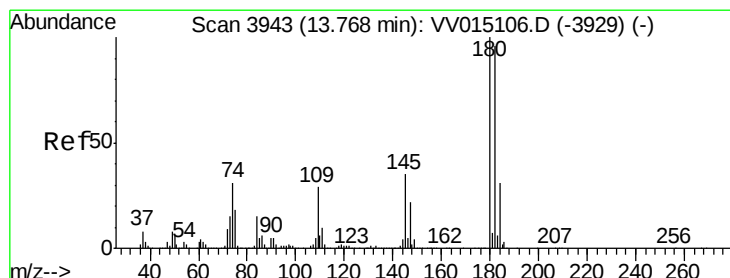
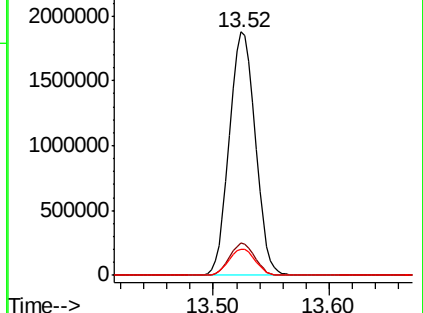
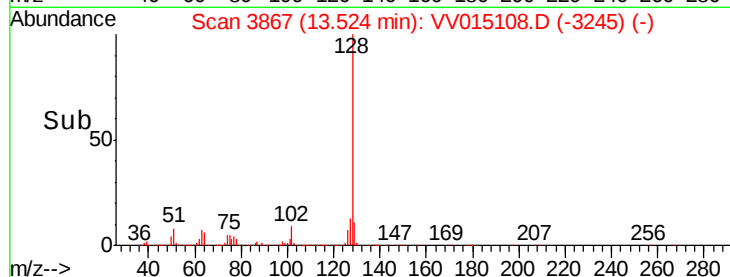
129 10.9 8.8 13.2



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: 201.705 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015108.D

Acq: 24 Mar 2020 00:47

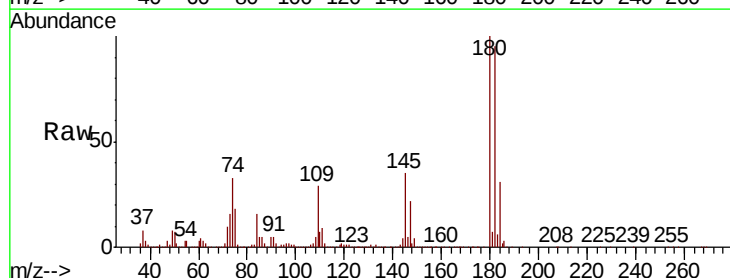
Tgt Ion:180 Resp: 1504268

Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

145 35.2 27.8 41.6



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

