

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017851.D
 Acq On : 08 Aug 2020 13:03
 Operator : SY/MD
 Sample : VSTD20066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Quant Time: Aug 10 02:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 01:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	258645	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254686	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	280238	219.38	ug/L	0.00
7) Chloroethane-d5	1.58	69	229722	211.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	666165	218.30	ug/L	0.00
21) 2-Butanone-d5	3.91	46	370238	403.42	ug/L	0.00
24) Chloroform-d	4.37	84	723547	210.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	528749	210.24	ug/L	0.00
32) Benzene-d6	5.07	84	1191791	199.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	307570	191.02	ug/L	0.00
41) Toluene-d8	7.34	98	1223398	208.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	229737	213.13	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	256067	377.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	493963	199.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	627206	202.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	419455	168.403	ug/L	98
3) Chloromethane	1.24	50	248368	150.662	ug/L	99
5) Vinyl chloride	1.32	62	301652	170.515	ug/L	97
6) Bromomethane	1.53	94	213258	197.792	ug/L	100
8) Chloroethane	1.59	64	184957	170.576	ug/L	99
9) Trichlorofluoromethane	1.76	101	723618	200.574	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	329512	197.752	ug/L	100
12) 1,1-Dichloroethene	2.13	96	299076	194.039	ug/L	92
13) Acetone	2.20	43	401773	347.793	ug/L	98
14) Carbon disulfide	2.30	76	799445	175.167	ug/L	99
15) Methyl Acetate	2.45	43	249710	166.800	ug/L	99
16) Methylene chloride	2.52	84	311999	173.937	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	311357	181.866	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	1091721	192.830	ug/L	99
19) 1,1-Dichloroethane	3.21	63	517578	174.230	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	347508	188.750	ug/L	98
22) 2-Butanone	3.99	43	399061	376.895	ug/L	99
23) Bromochloromethane	4.27	128	201471	191.722	ug/L	99
25) Chloroform	4.40	83	655618	187.212	ug/L	100
27) 1,2-Dichloroethane	5.15	62	594733	192.703	ug/L	100
29) Cyclohexane	4.70	56	412392	167.657	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	699281	191.317	ug/L	99
31) Carbon tetrachloride	4.85	117	644745	194.695	ug/L	99
33) Benzene	5.12	78	1175840	175.121	ug/L	100
34) Trichloroethene	5.94	95	355988	183.747	ug/L	99
35) Methylcyclohexane	6.15	83	515324	182.565	ug/L	98
37) 1,2-Dichloropropane	6.20	63	264010	173.277	ug/L	98
38) Bromodichloromethane	6.53	83	497995	182.183	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	529940	189.725	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	715388	345.492	ug/L	98

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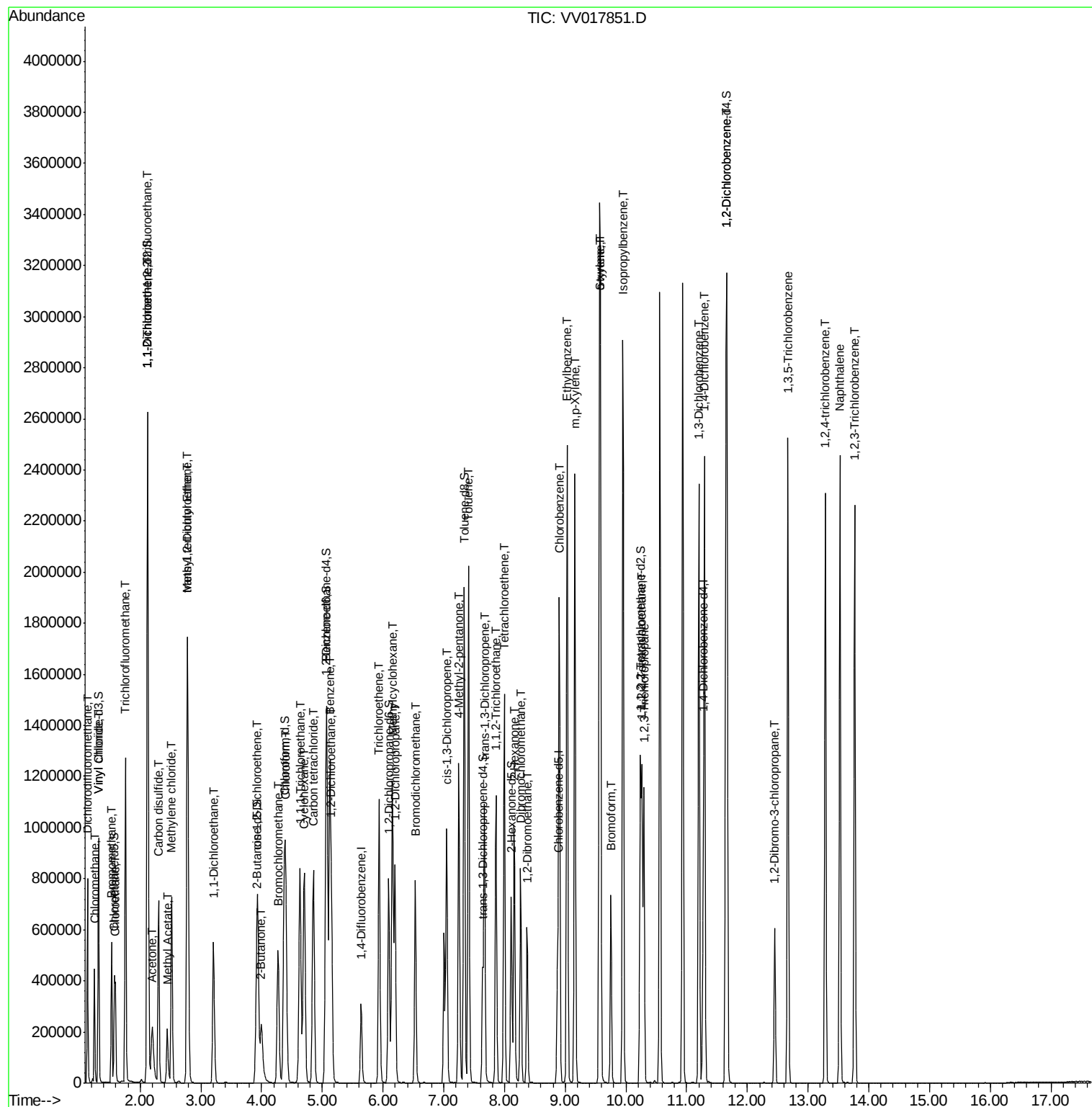
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1396817	186.279	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	570777	198.902	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	322029	182.295	ug/L	99
46) Tetrachloroethene	8.00	164	337721	193.848	ug/L	96
48) 2-Hexanone	8.16	43	600629	360.461	ug/L	99
49) Dibromochloromethane	8.27	129	422019	187.199	ug/L	98
50) 1,2-Dibromoethane	8.37	107	364610	188.513	ug/L	99
51) Chlorobenzene	8.90	112	971509	187.138	ug/L	98
52) Ethylbenzene	9.03	91	1657117	191.644	ug/L	99
53) m,p-Xylene	9.16	106	636573	192.111	ug/L	99
54) o-xylene	9.57	106	623269	194.457	ug/L	99
55) Styrene	9.58	104	1105384	198.609	ug/L	97
56) Isopropylbenzene	9.95	105	1767981	200.879	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	466985	183.526	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	413847	184.061	ug/L	98
61) Bromoform	9.75	173	328593	180.363	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	930122	185.862	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	941628	185.782	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	947437	189.824	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	143837	187.974	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	767880	195.806	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	694408	203.504	ug/L	99
69) Naphthalene	13.52	128	1841483	206.102	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	674178	198.281	ug/L	100

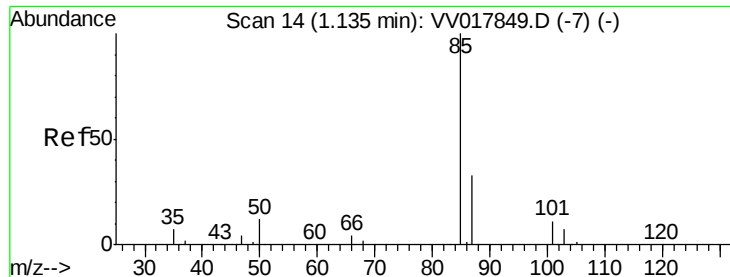
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 168.403 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

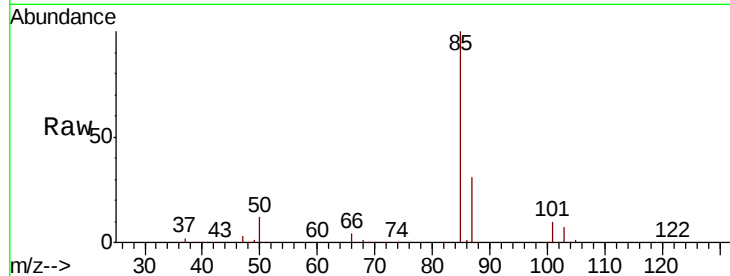
VSTD20066

Tot Ion: 85 Resp: 419455

Ion Ratio Lower Upper

85 100

87 31.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

400000

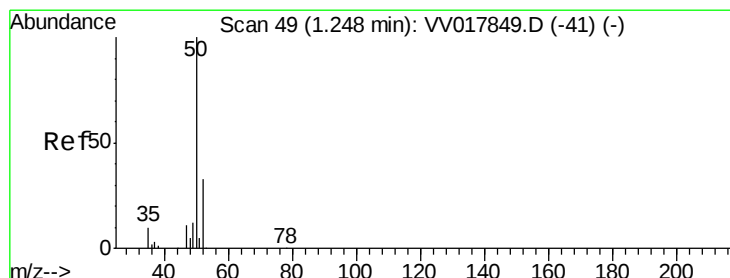
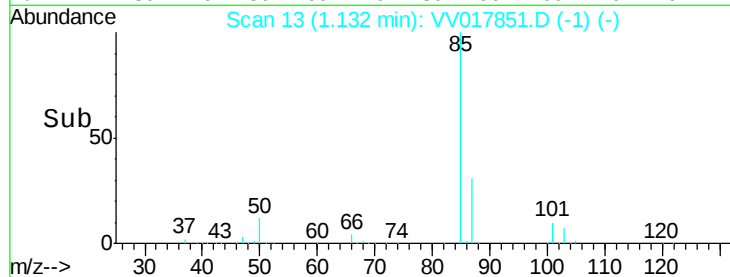
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 150.662 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV017851.D

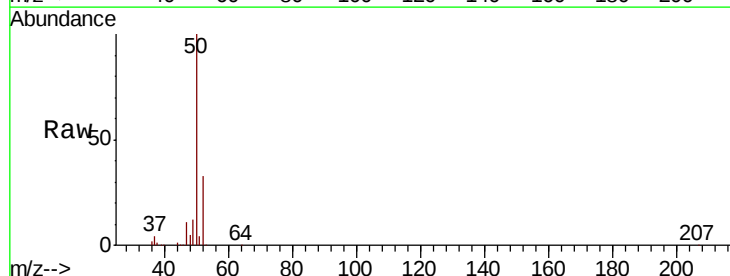
Acq: 08 Aug 2020 13:03

Tgt Ion: 50 Resp: 248368

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.24

250000

200000

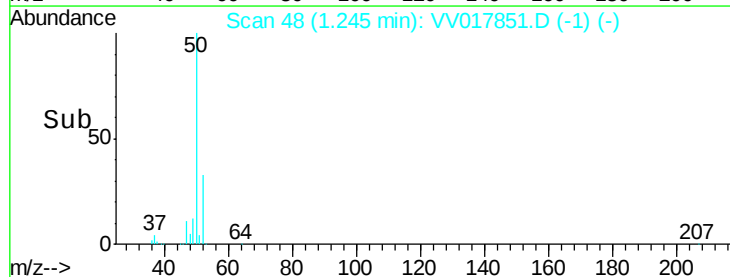
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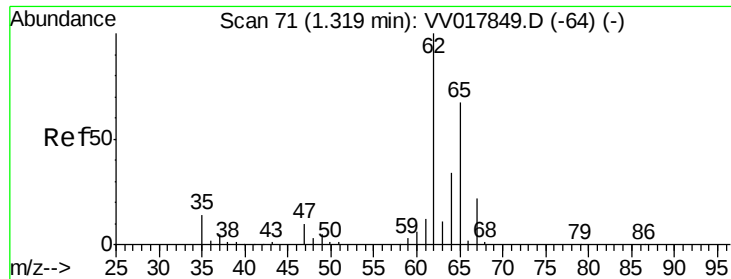
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 170.515 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

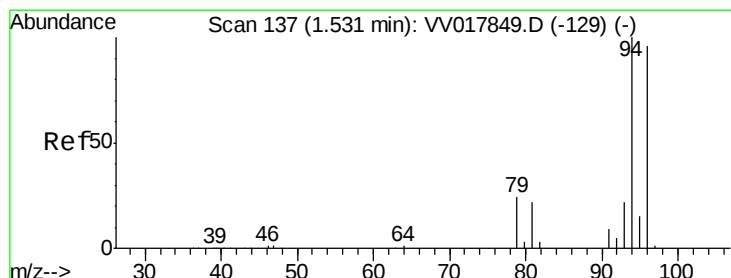
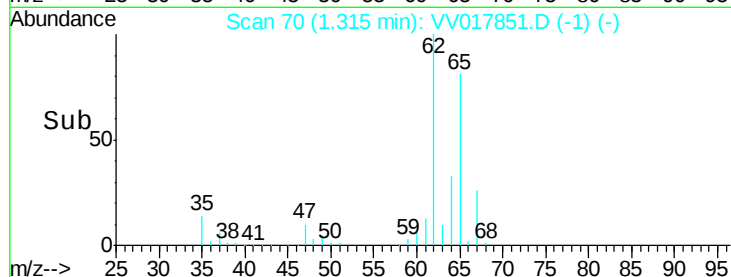
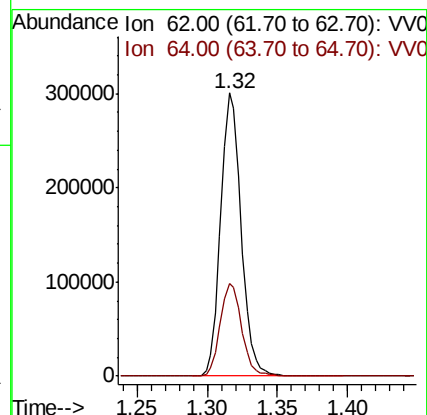
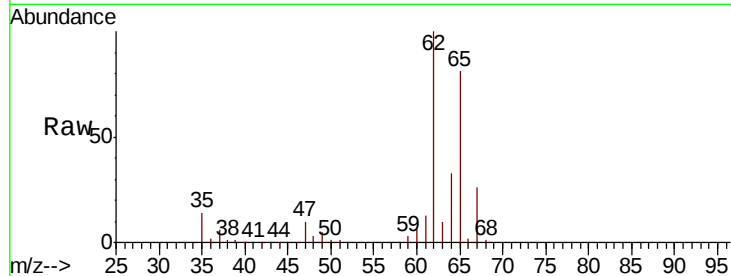
VSTD20066

Tot Ion: 62 Resp: 301652

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



#6

Bromomethane

Concen: 197.792 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017851.D

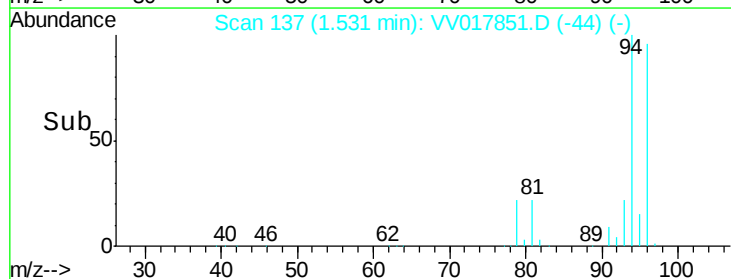
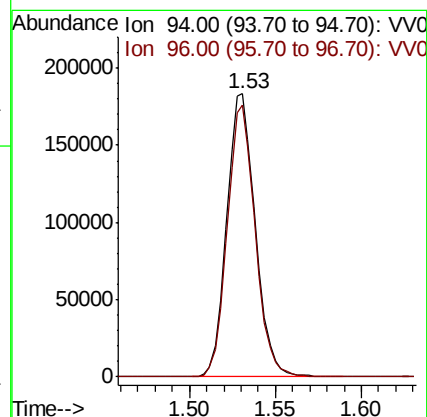
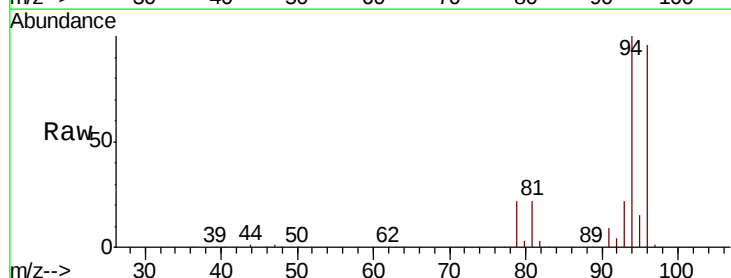
Acq: 08 Aug 2020 13:03

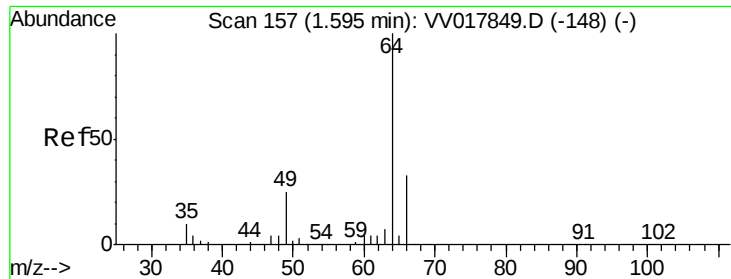
Tgt Ion: 94 Resp: 213258

Ion Ratio Lower Upper

94 100

96 96.0 67.5 125.3

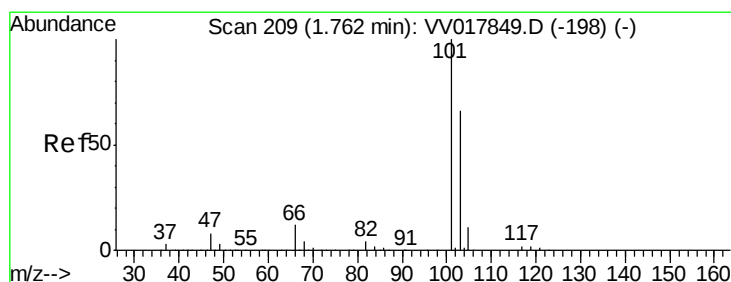
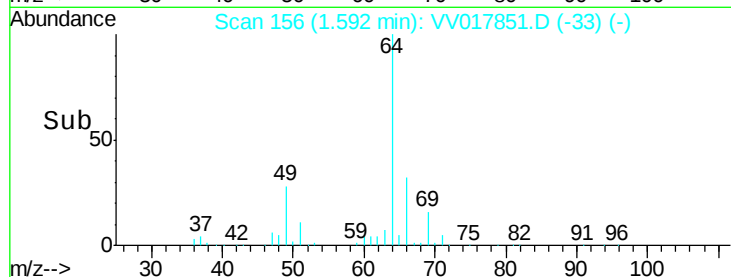
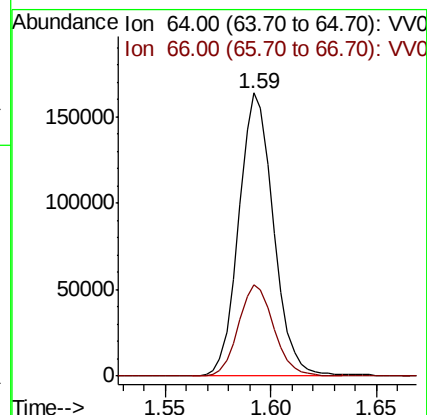
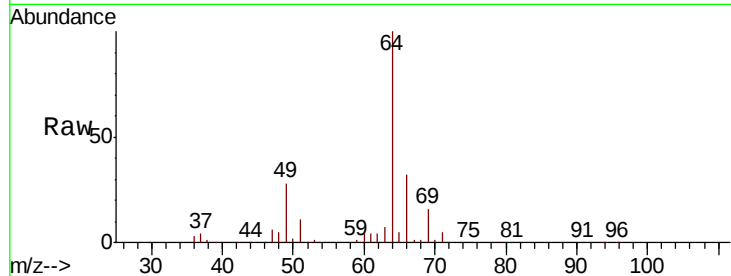




#8
Chloroethane
Concen: 170.576 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

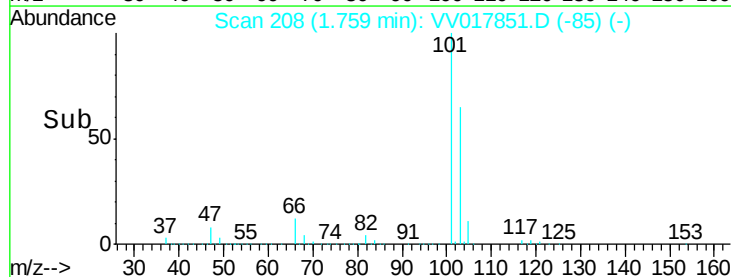
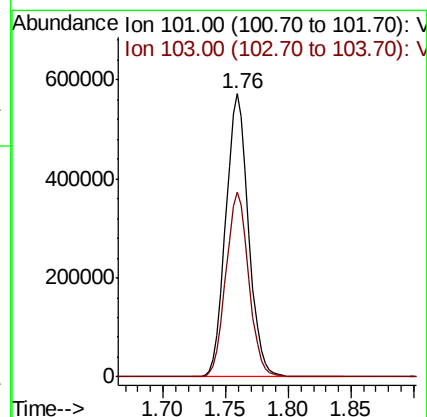
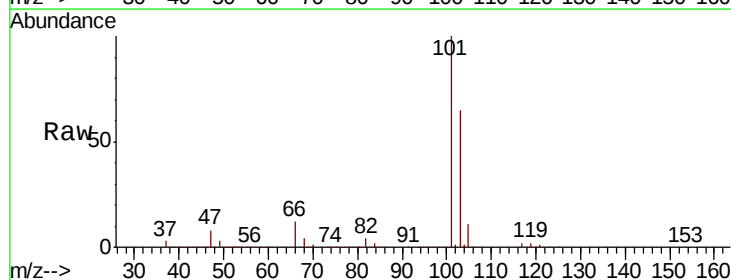
Instrument :
MSVOA_V
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VSTD20066

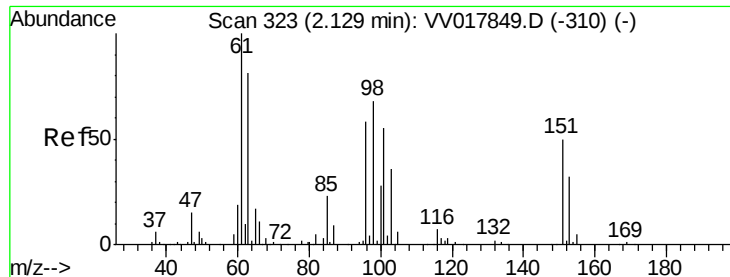
Tot Ion: 64 Resp: 184957
Ion Ratio Lower Upper
64 100
66 32.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 200.574 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion:101 Resp: 723618
Ion Ratio Lower Upper
101 100
103 65.6 53.2 79.8





#10

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

Concen: 197.752 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

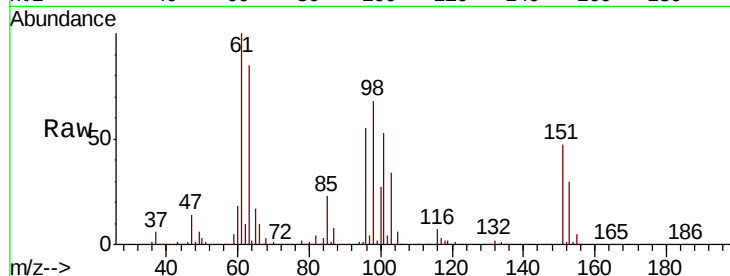
Tot Ion:101 Resp: 329512

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.6

151 89.1 71.0 106.6



Abundance Ion 101.00 (100.70 to 101.70): VV017851.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017851.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017851.D (-230) (-)

2.13

205000

150000

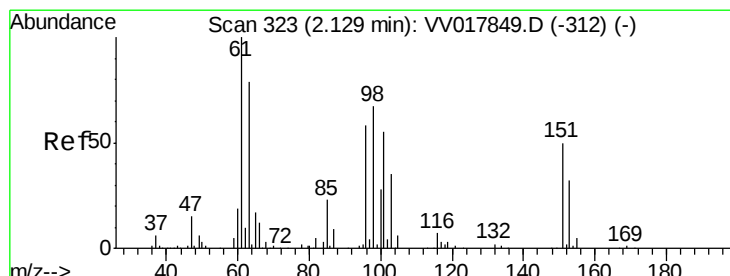
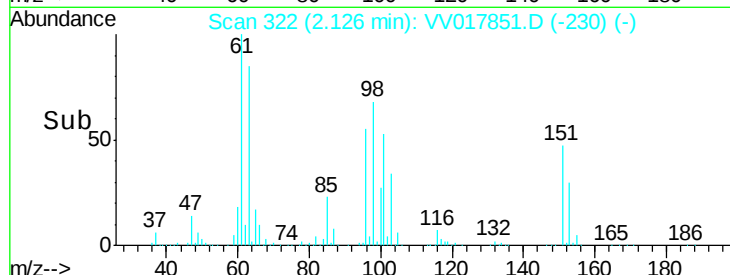
100000

50000

0

Time-->

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 194.039 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

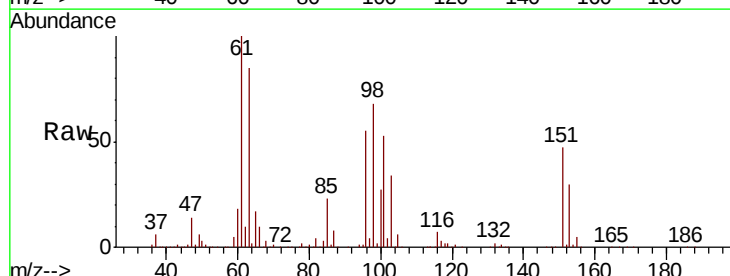
Tgt Ion: 96 Resp: 299076

Ion Ratio Lower Upper

96 100

61 180.5 121.1 224.9

63 153.3 98.1 182.1



Abundance Ion 96.00 (95.70 to 96.70): VV017851.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017851.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017851.D (-230) (-)

2.13

500000

400000

300000

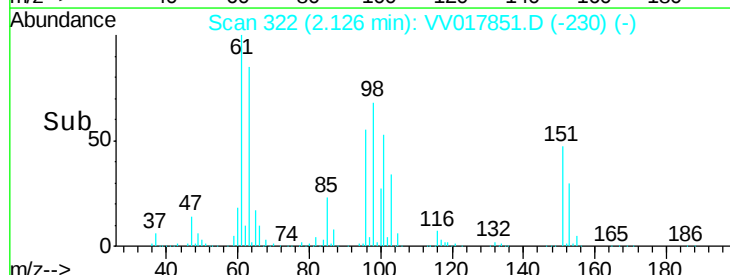
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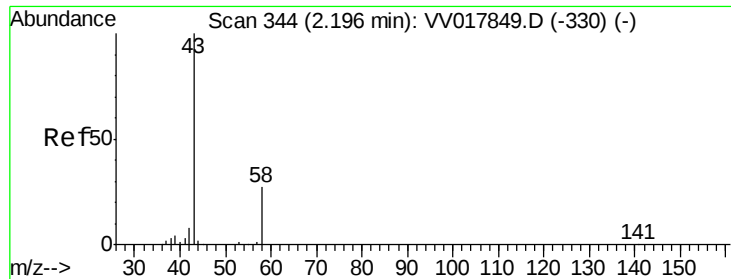
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Time-->

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 347.793 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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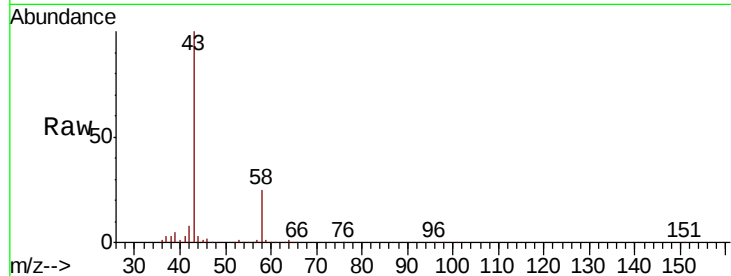
VSTD20066

Tot Ion: 43 Resp: 401773

Ion Ratio Lower Upper

43 100

58 26.5 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV017849.D (-330) (-)

2.20

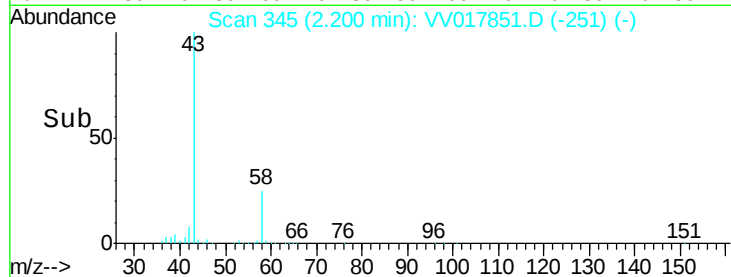
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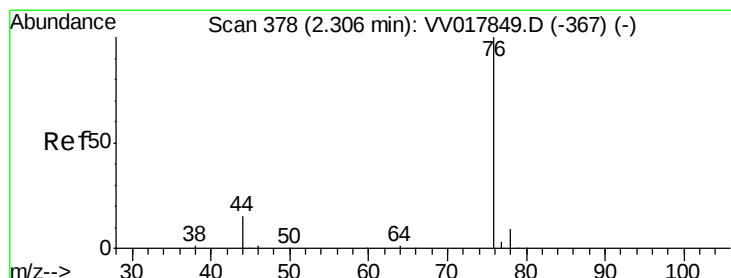
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 175.167 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV017851.D

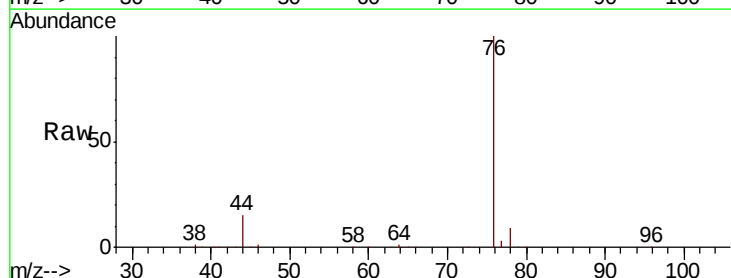
Acq: 08 Aug 2020 13:03

Tgt Ion: 76 Resp: 799445

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV017849.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017849.D (-367) (-)

2.30

600000

500000

400000

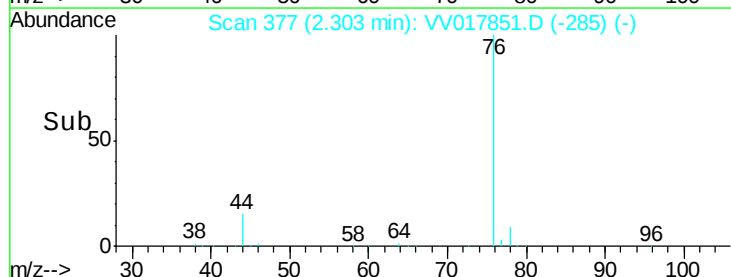
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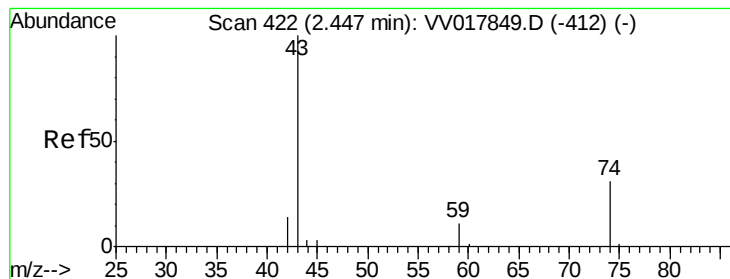
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 166.800 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

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ClientSampleId :

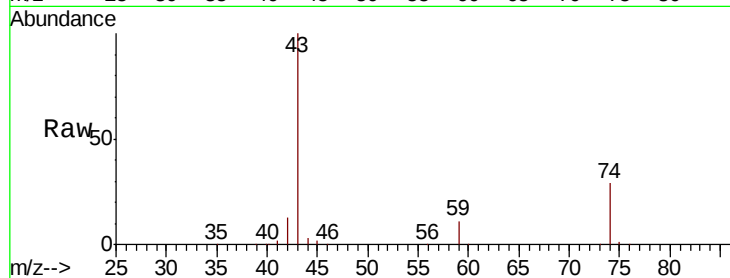
VSTD20066

Tot Ion: 43 Resp: 249710

Ion Ratio Lower Upper

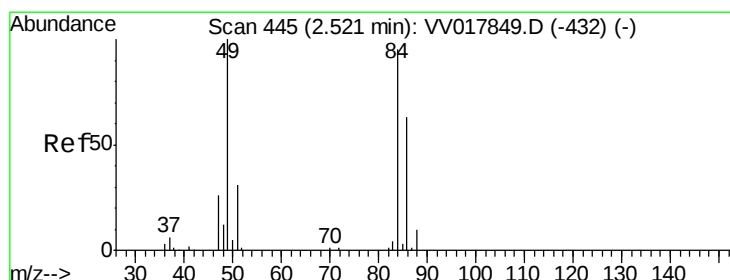
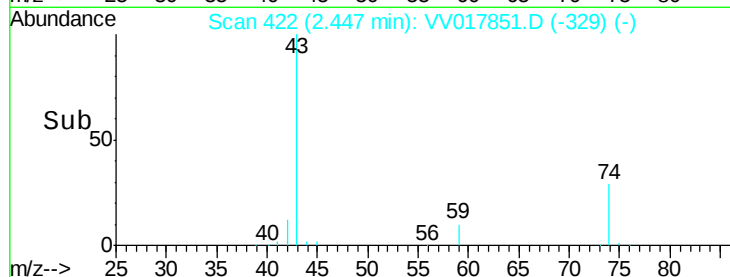
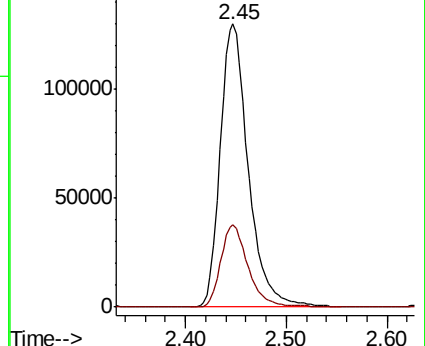
43 100

74 28.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VV017851.D (-329) (-)

Ion 74.00 (73.70 to 74.70): VV017851.D (-329) (-)



#16

Methylene chloride

Concen: 173.937 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

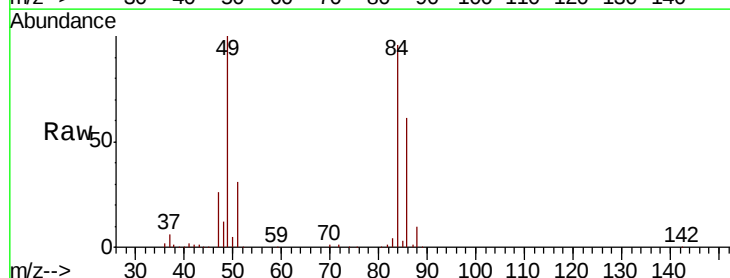
Tgt Ion: 84 Resp: 311999

Ion Ratio Lower Upper

84 100

86 63.2 46.2 85.8

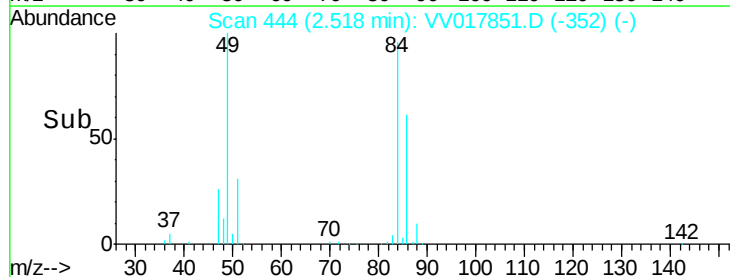
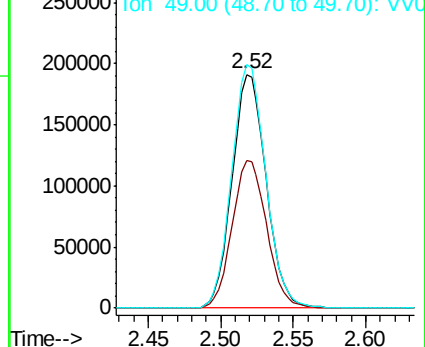
49 104.3 73.6 136.6

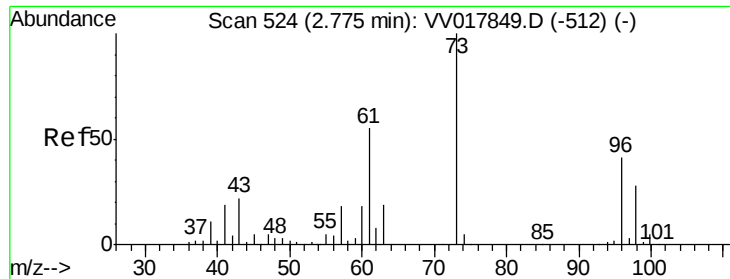


Abundance Ion 84.00 (83.70 to 84.70): VV017851.D (-352) (-)

Ion 86.00 (85.70 to 86.70): VV017851.D (-352) (-)

Ion 49.00 (48.70 to 49.70): VV017851.D (-352) (-)

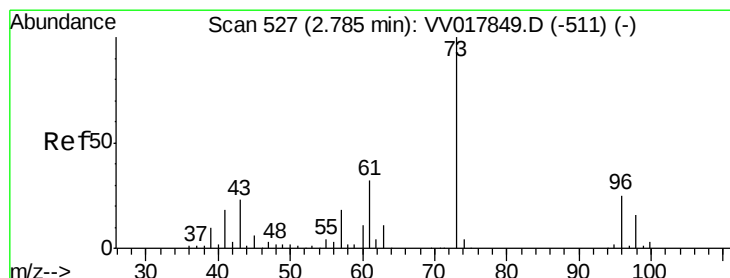
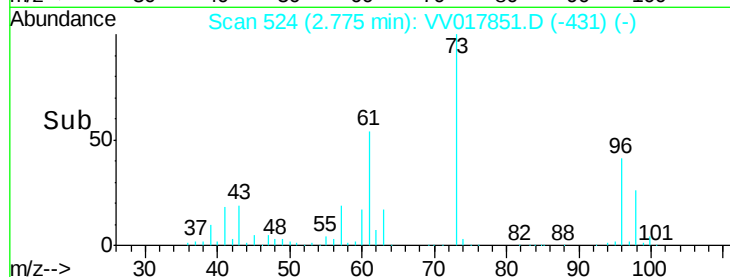
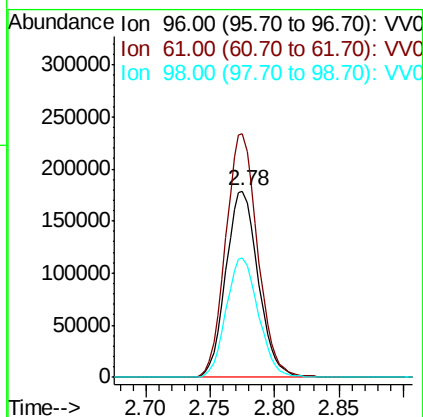
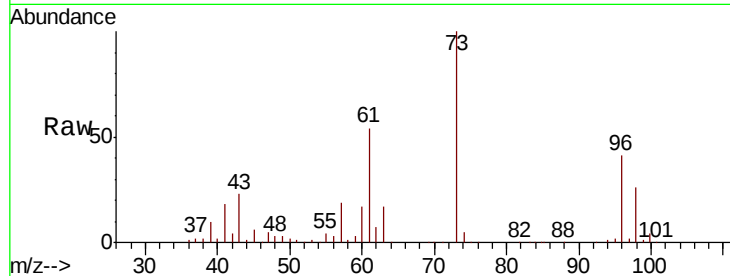




#17
trans-1,2-Dichloroethene
Concen: 181.866 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

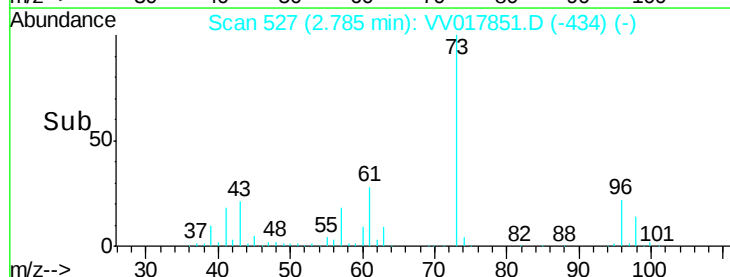
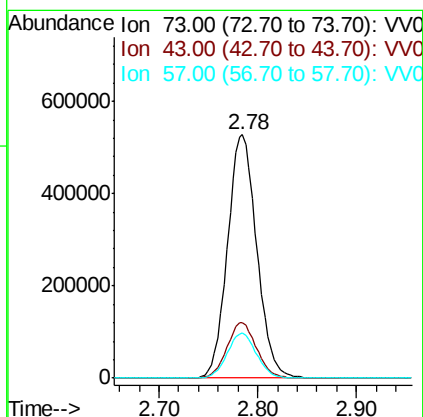
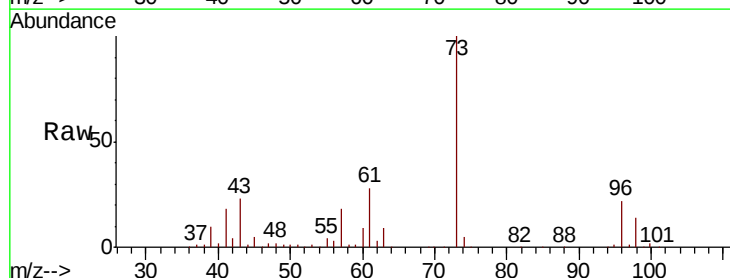
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

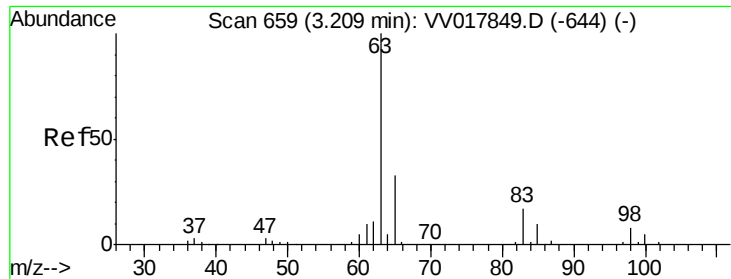
Tot Ion: 96 Resp: 311357
Ion Ratio Lower Upper
96 100
61 130.6 92.4 171.6
98 64.1 47.5 88.1



#18
Methyl tert-butyl Ether
Concen: 192.830 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion: 73 Resp: 1091721
Ion Ratio Lower Upper
73 100
43 22.9 18.1 27.1
57 18.4 14.5 21.7





#19

1,1-Dichloroethane

Concen: 174.230 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

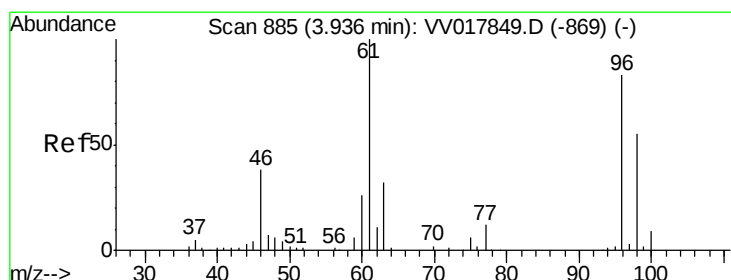
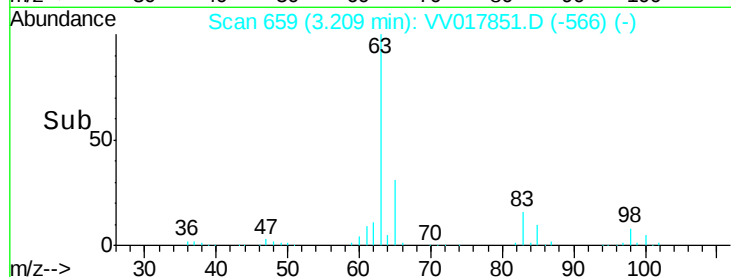
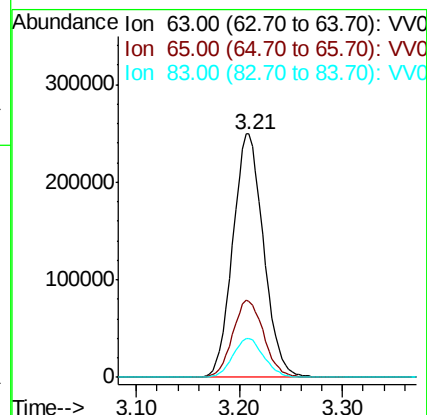
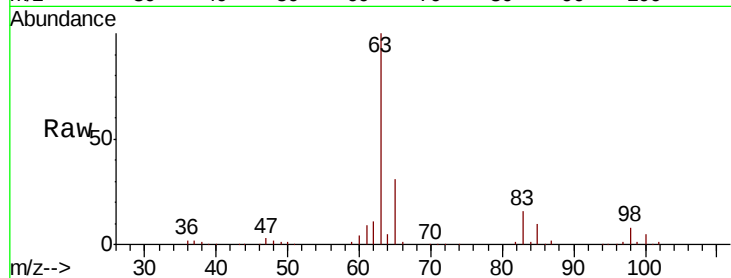
Tot Ion: 63 Resp: 517578

Ion Ratio Lower Upper

63 100

65 31.4 23.4 43.6

83 16.0 11.5 21.5



#20

cis-1,2-Dichloroethene

Concen: 188.750 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

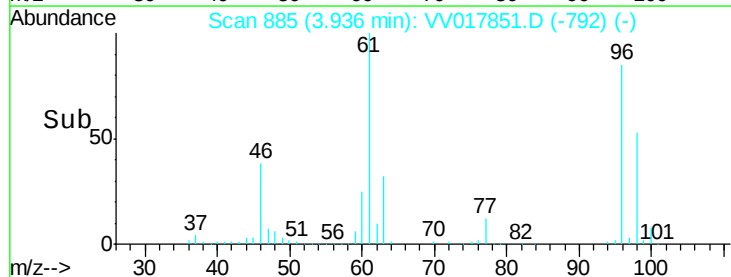
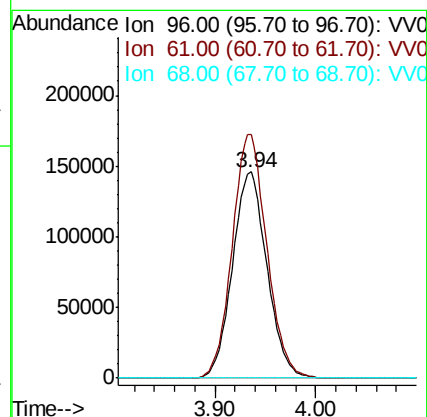
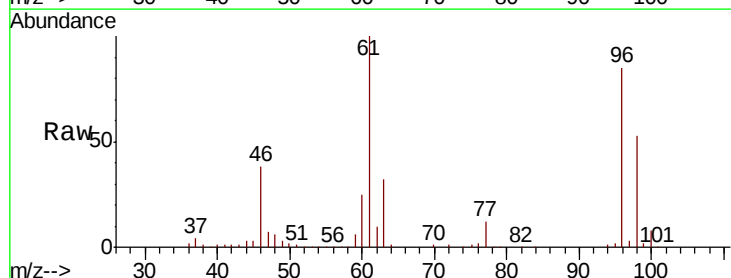
Tgt Ion: 96 Resp: 347508

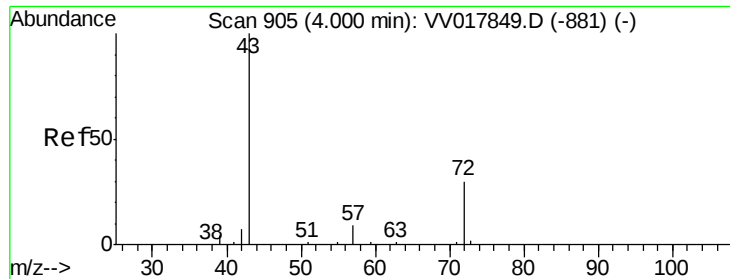
Ion Ratio Lower Upper

96 100

61 118.0 84.4 156.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 376.895 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

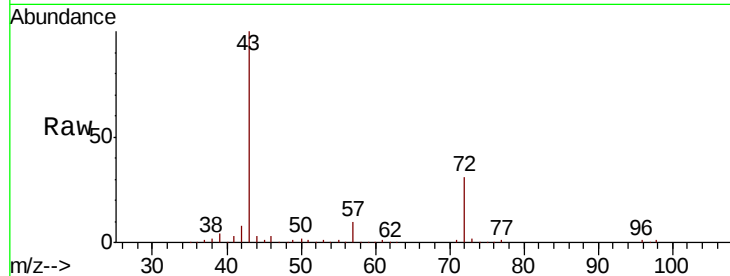
VSTD20066

Tot Ion: 43 Resp: 399061

Ion Ratio Lower Upper

43 100

72 30.1 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV017849.D (-881) (-)

3.99

150000

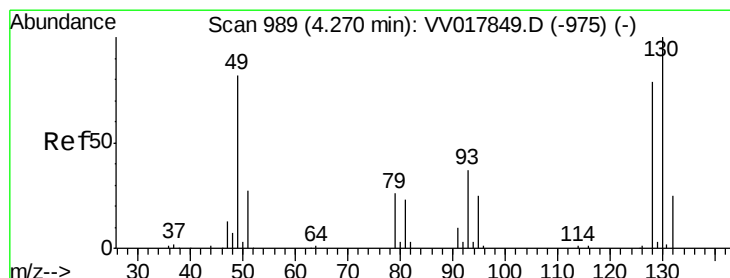
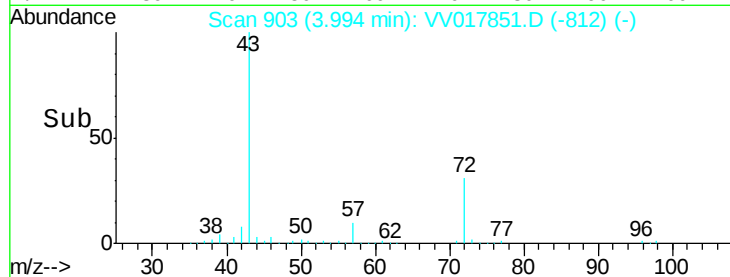
100000

50000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 191.722 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Tgt Ion:128 Resp: 201471

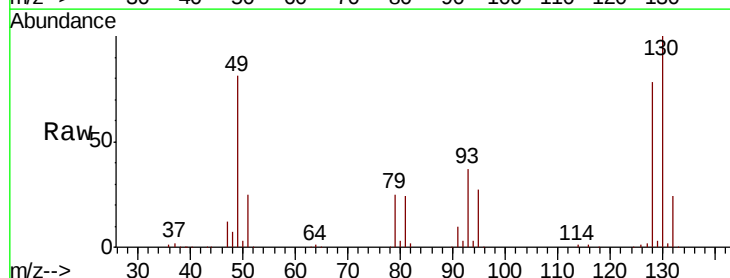
Ion Ratio Lower Upper

128 100

49 103.2 73.7 136.9

130 127.4 89.3 165.9

51 31.6 27.2 40.8



Abundance Ion 128.00 (127.70 to 128.70): VV017849.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017849.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017849.D (-975) (-)

150000

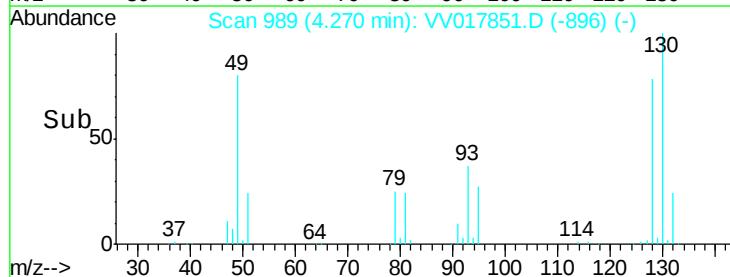
100000

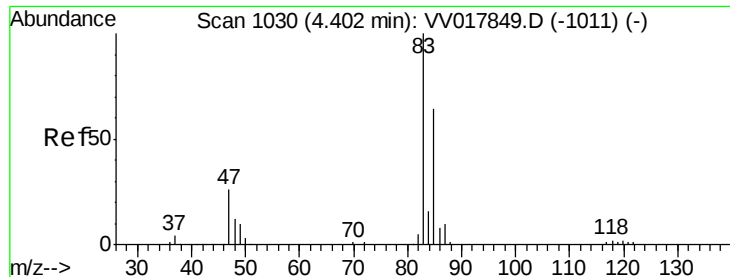
50000

0

Time-->

4.20 4.30 4.40

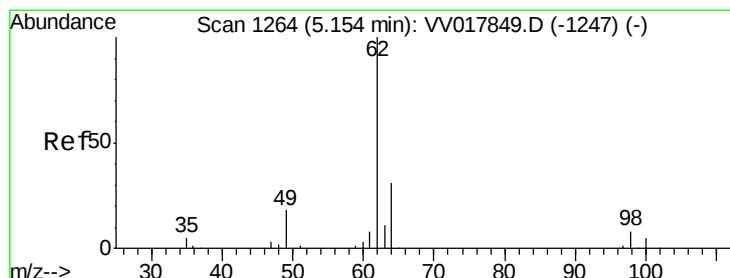
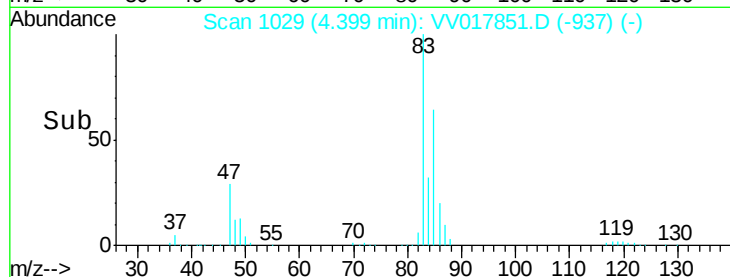
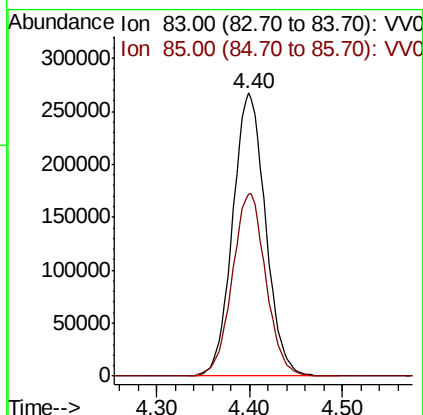
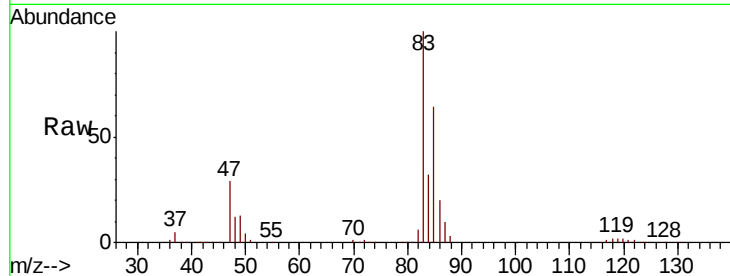




#25
Chloroform
Concen: 187.212 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

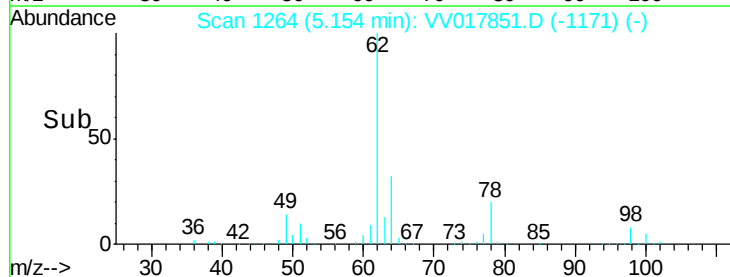
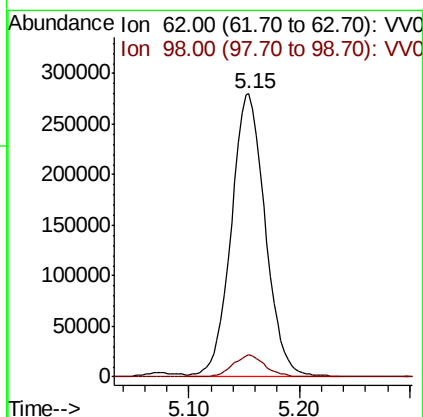
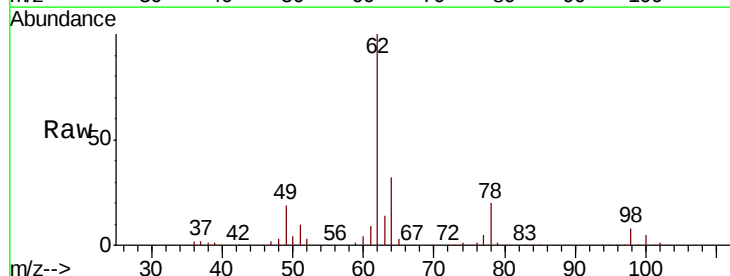
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

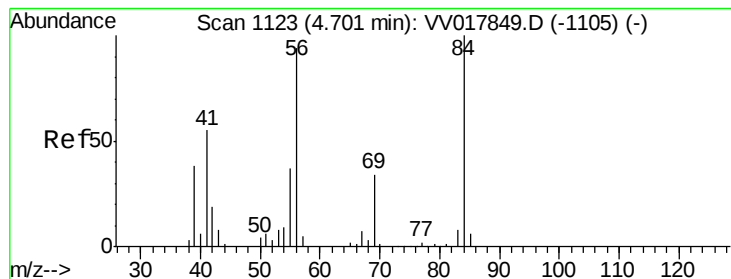
Tot Ion: 83 Resp: 655618
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 192.703 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion: 62 Resp: 594733
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 167.657 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

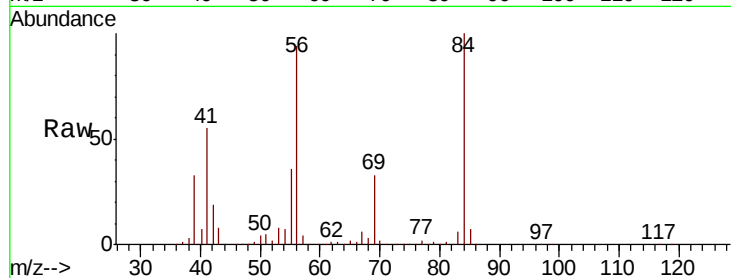
Tot Ion: 56 Resp: 412392

Ion Ratio Lower Upper

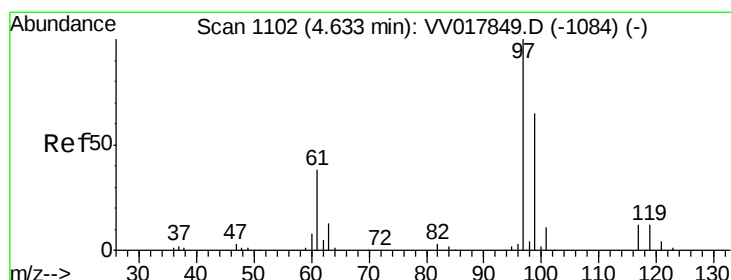
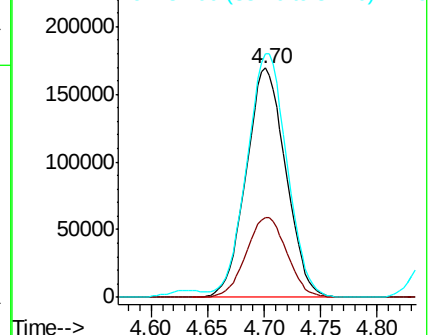
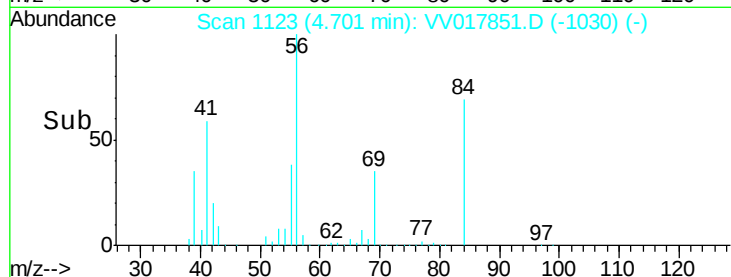
56 100

69 35.7 29.6 44.4

84 108.1 88.5 132.7



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: 191.317 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

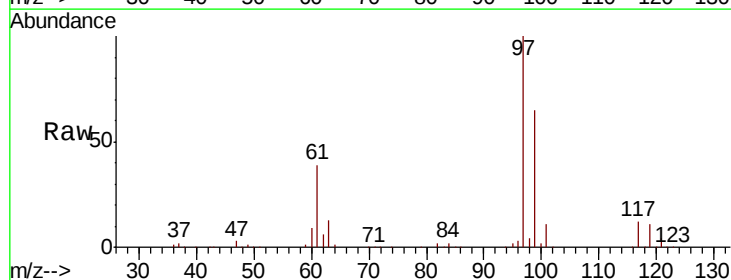
Tgt Ion: 97 Resp: 699281

Ion Ratio Lower Upper

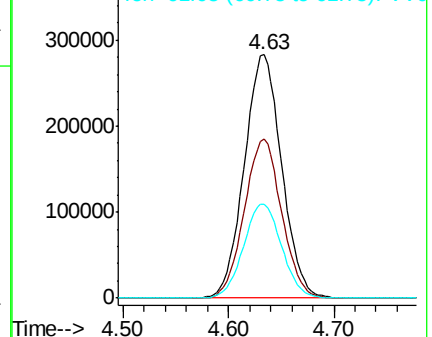
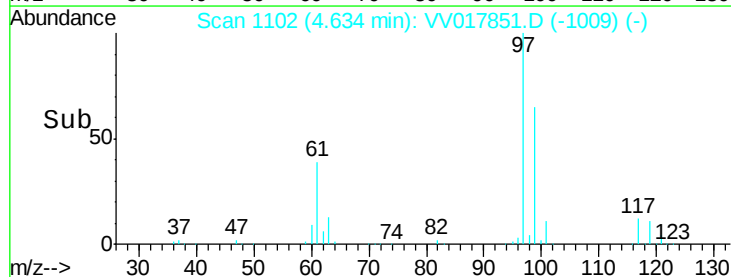
97 100

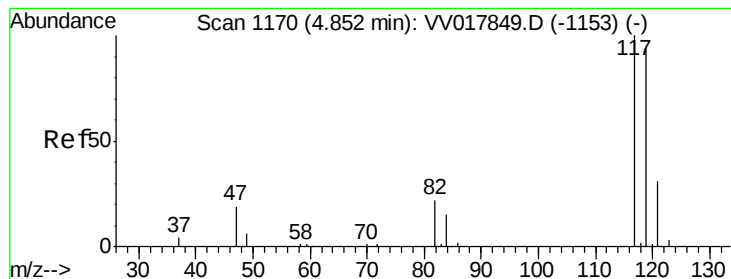
99 65.4 51.0 76.6

61 39.3 31.5 47.3



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: 194.695 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

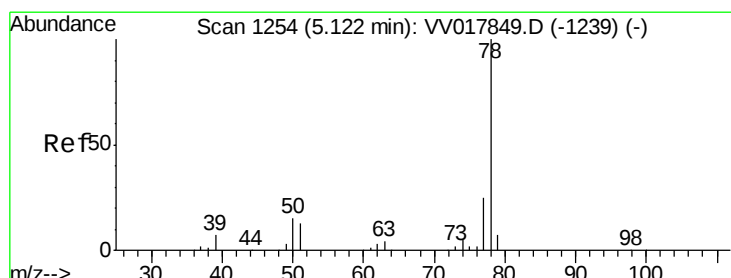
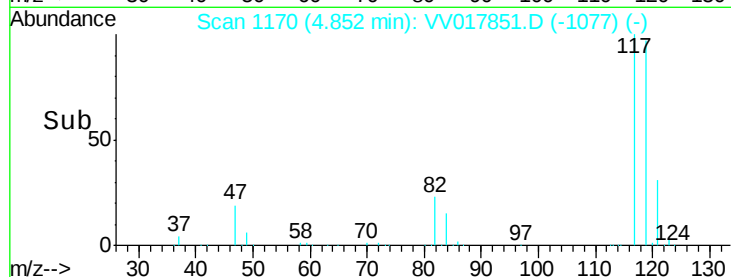
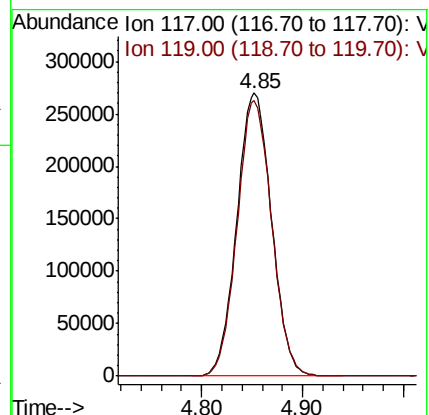
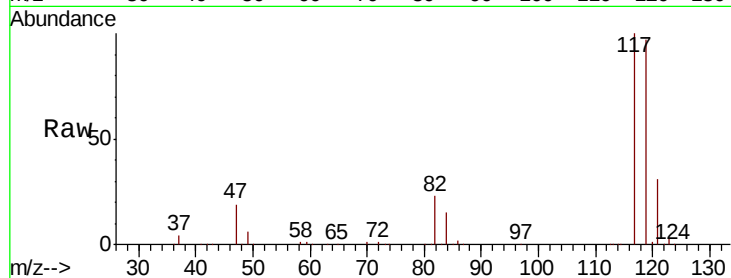
VSTD20066

Tot Ion:117 Resp: 644745

Ion Ratio Lower Upper

117 100

119 96.8 78.2 117.4



#33

Benzene

Concen: 175.121 ug/L

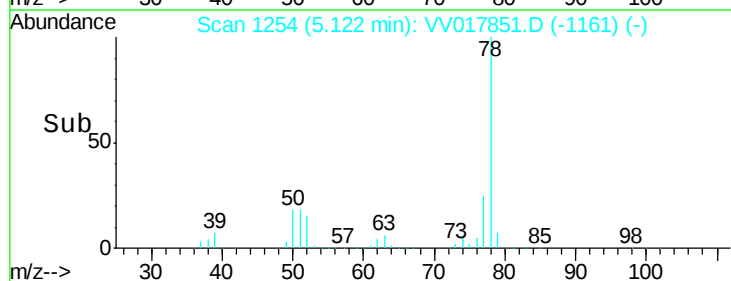
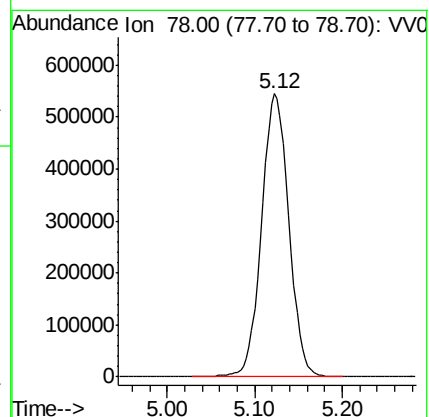
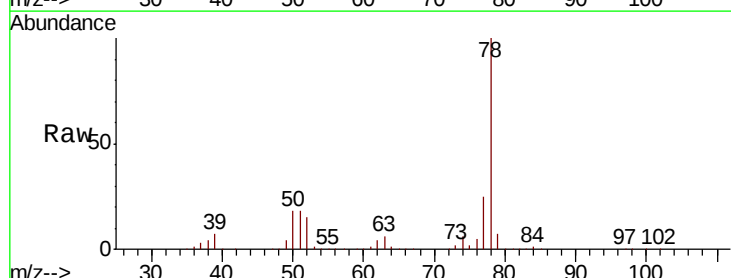
RT: 5.12 min Scan# 1254

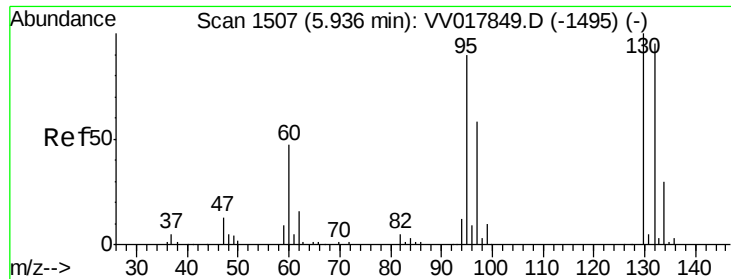
Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Tgt Ion: 78 Resp: 1175840

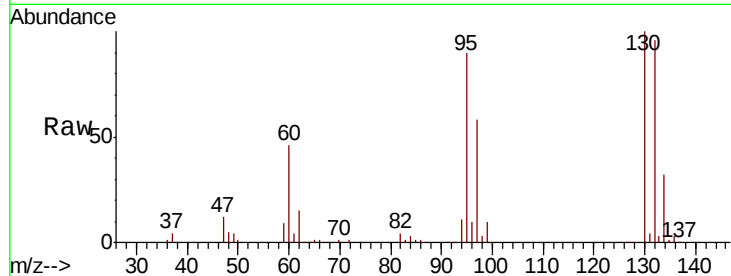




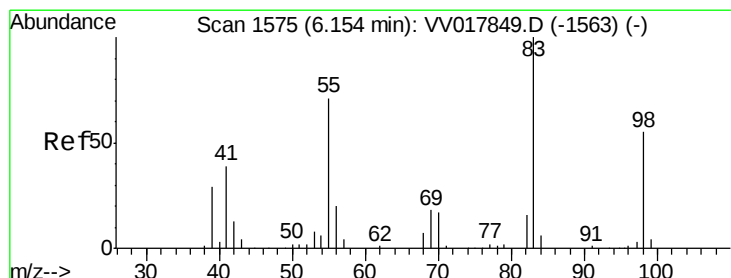
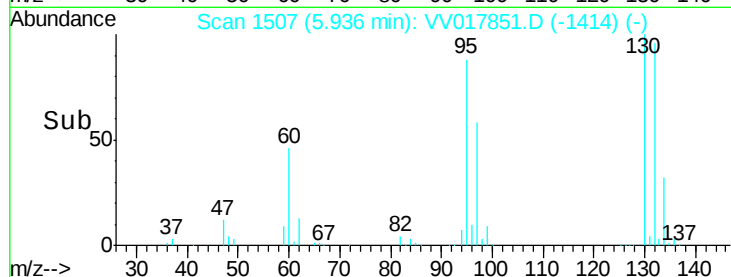
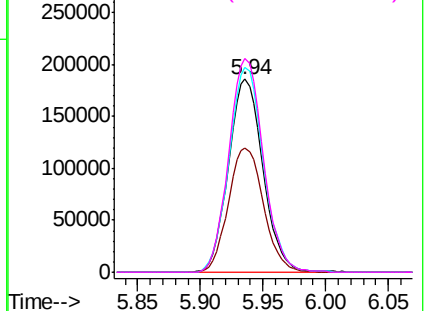
#34
 Trichloroethene
 Concen: 183.747 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Tot Ion: 95 Resp: 355988
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 83.1
 132 106.4 73.6 136.8
 130 110.6 77.6 144.0

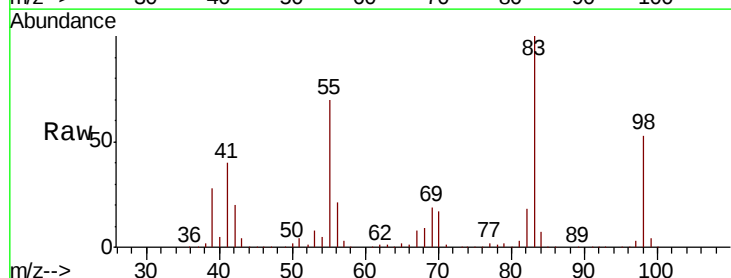


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

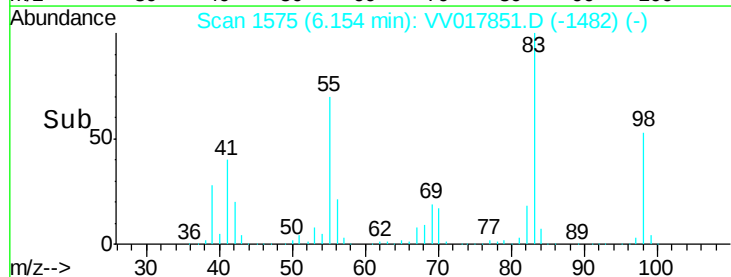
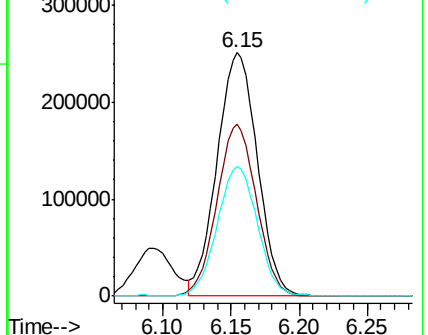


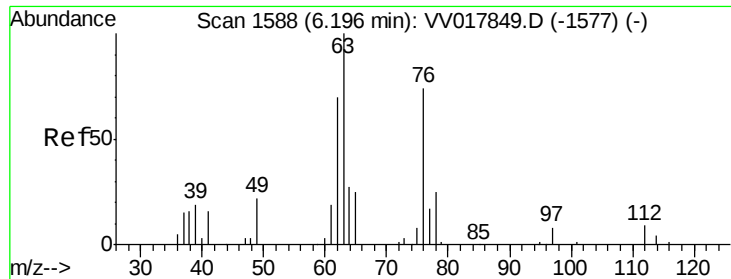
#35
 Methylcyclohexane
 Concen: 182.565 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

Tgt Ion: 83 Resp: 515324
 Ion Ratio Lower Upper
 83 100
 55 68.9 54.6 82.0
 98 53.2 41.1 61.7



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

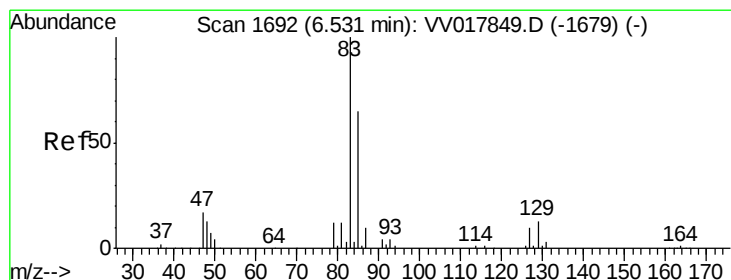
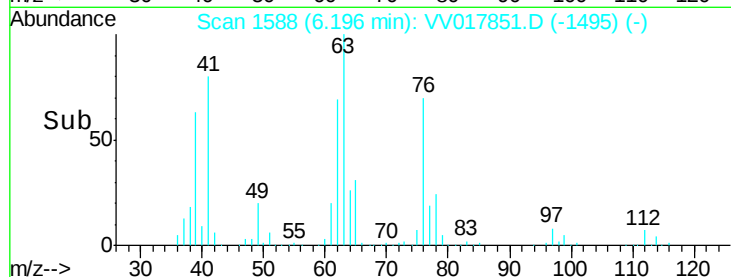
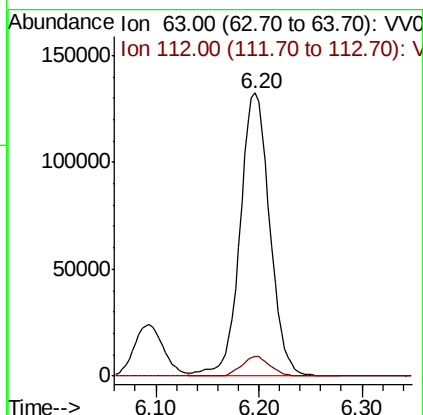
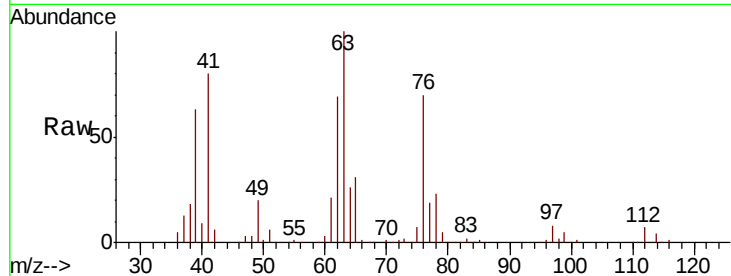




#37
 1,2-Dichloropropane
 Concen: 173.277 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

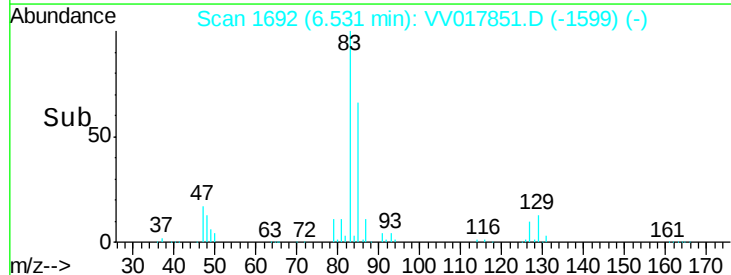
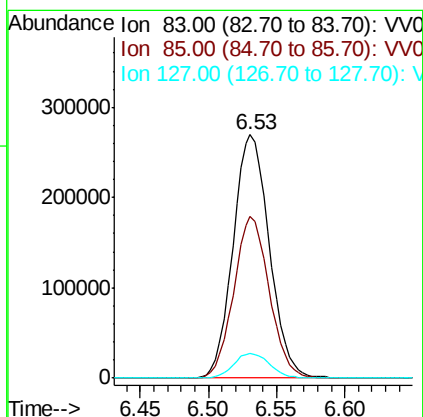
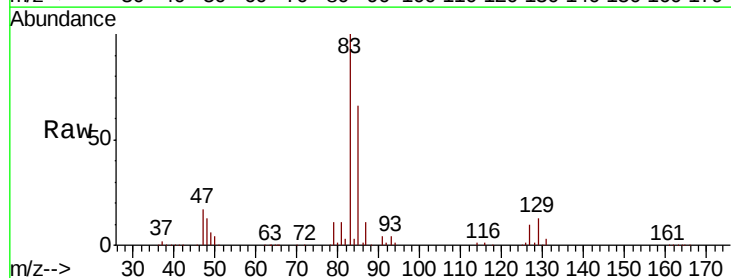
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

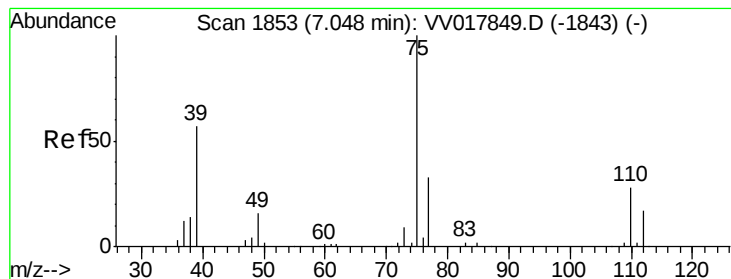
Tot Ion: 63 Resp: 264010
 Ion Ratio Lower Upper
 63 100
 112 6.7 5.8 8.6



#38
 Bromodichloromethane
 Concen: 182.183 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

Tgt Ion: 83 Resp: 497995
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.4 84.2
 127 10.1 7.8 11.8



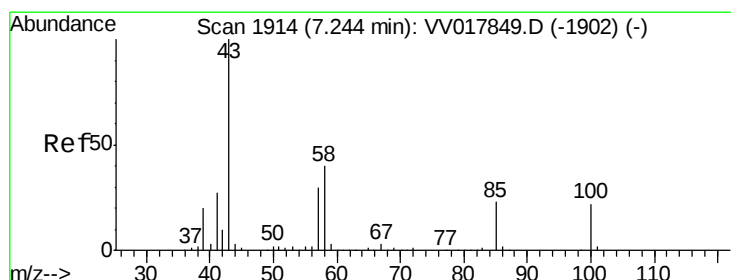
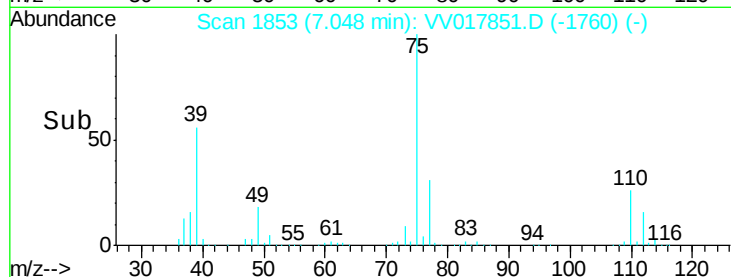
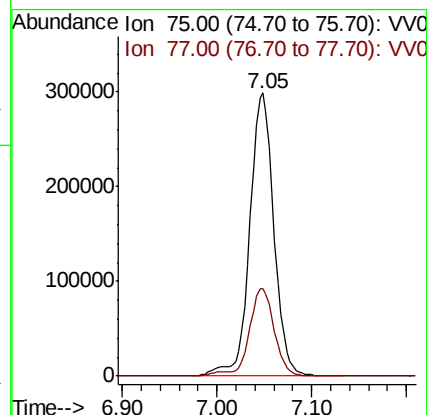
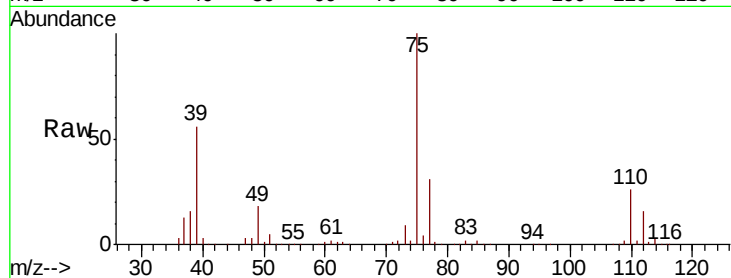


#39

cis-1,3-Dichloropropene
Concen: 189.725 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

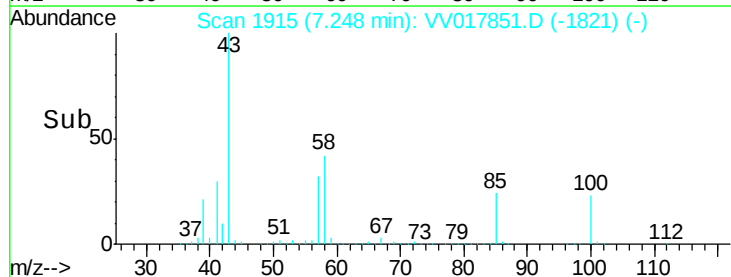
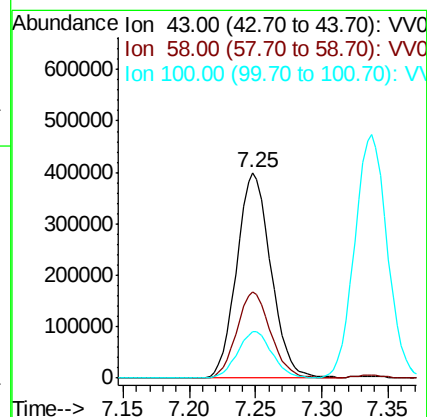
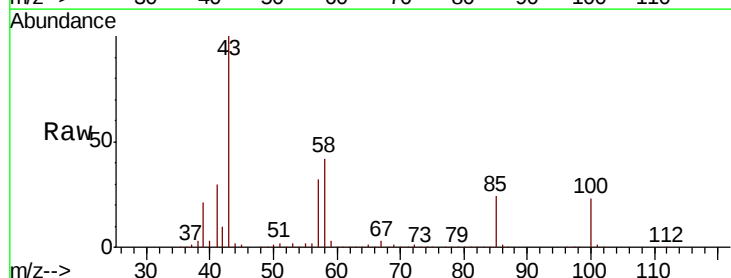
Tot Ion: 75 Resp: 529940
Ion Ratio Lower Upper
75 100
77 31.0 23.7 44.1

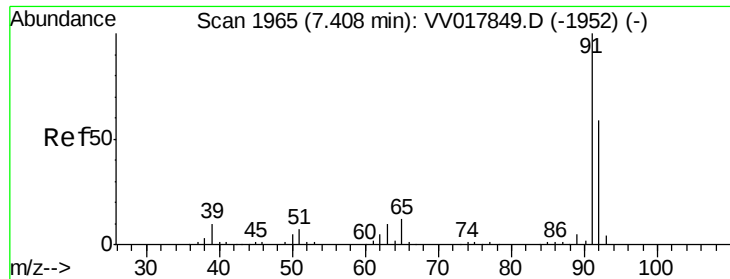


#40

4-Methyl-2-pentanone
Concen: 345.492 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion: 43 Resp: 715388
Ion Ratio Lower Upper
43 100
58 41.6 32.3 48.5
100 22.8 17.4 26.0





#42

Toluene

Concen: 186.279 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

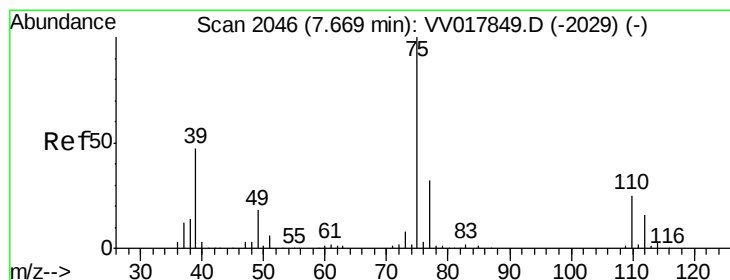
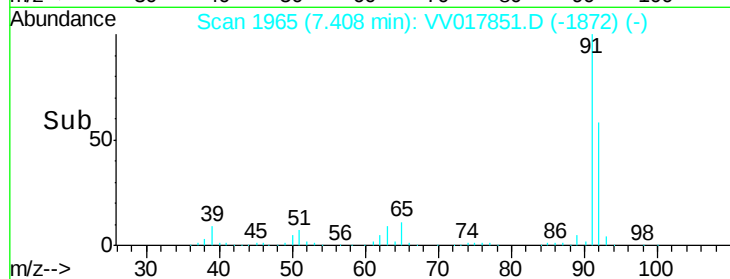
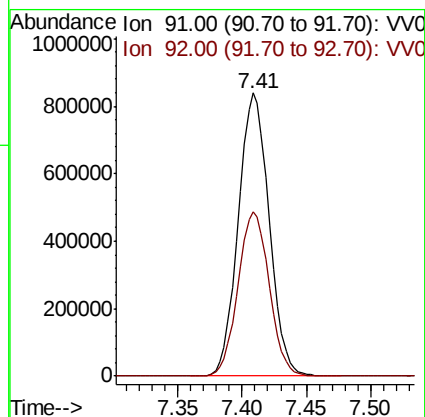
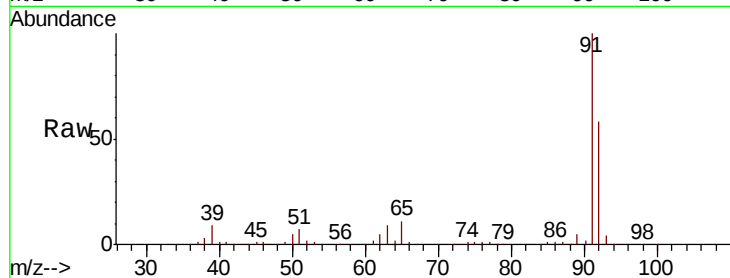
VSTD20066

Tot Ion: 91 Resp: 1396817

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 198.902 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017851.D

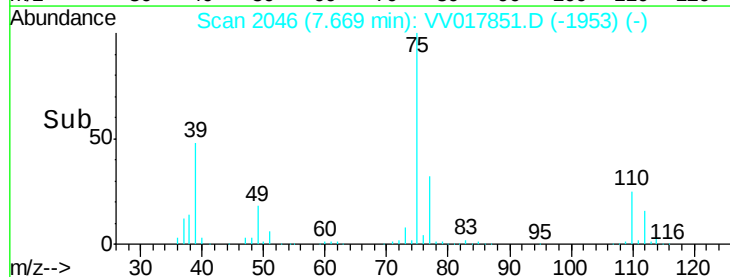
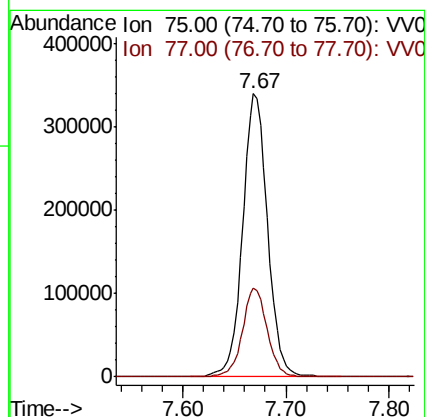
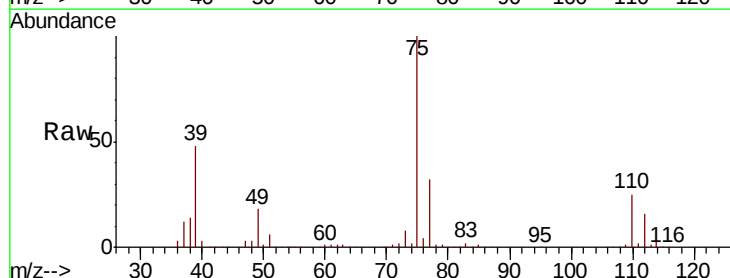
Acq: 08 Aug 2020 13:03

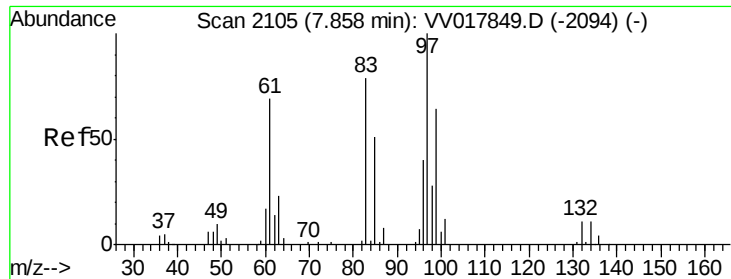
Tgt Ion: 75 Resp: 570777

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5

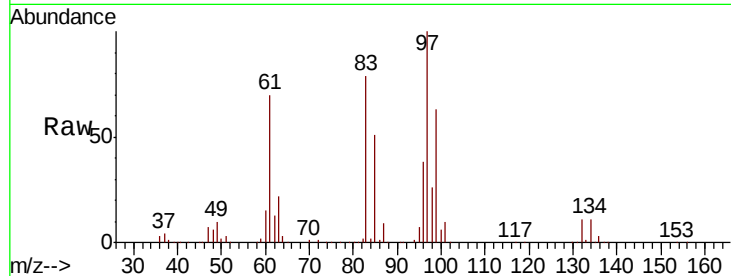




#45
 1,1,2-Trichloroethane
 Concen: 182.295 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Tot Ion:	97	Resp:	322029
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.7	82.9
83	79.3	55.7	103.5
85	51.3	35.4	65.8



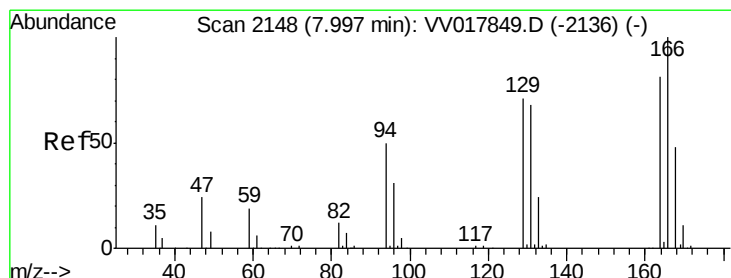
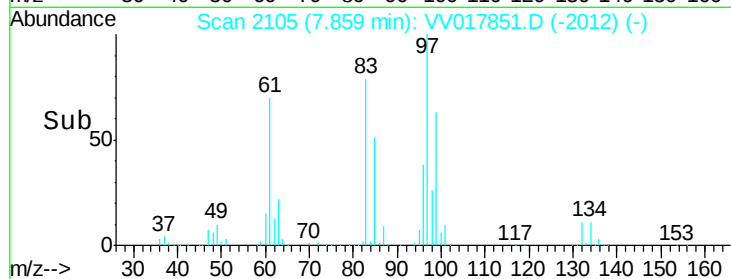
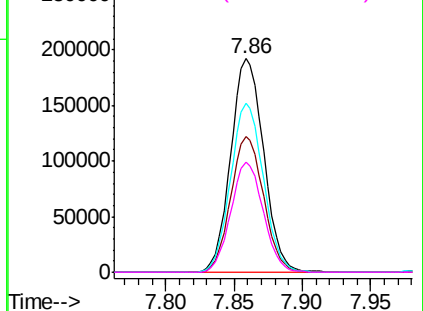
Abundance

Ion 97.00 (96.70 to 97.70): VV017851.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV017851.D (-2094) (-)

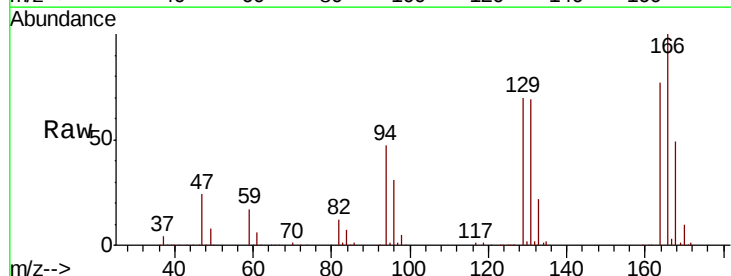
Ion 83.00 (82.70 to 83.70): VV017851.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV017851.D (-2094) (-)



#46
 Tetrachloroethene
 Concen: 193.848 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017851.D
 Acq: 08 Aug 2020 13:03

Tgt Ion:	164	Resp:	337721
Ion	Ratio	Lower	Upper
164	100		
129	91.2	61.6	114.4
131	89.3	59.6	110.8
166	130.2	87.2	161.9



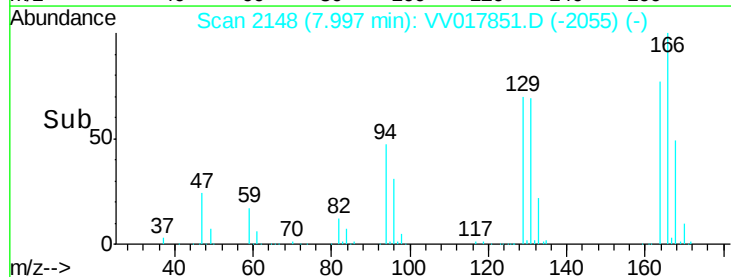
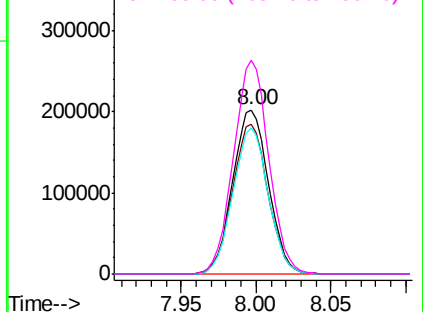
Abundance

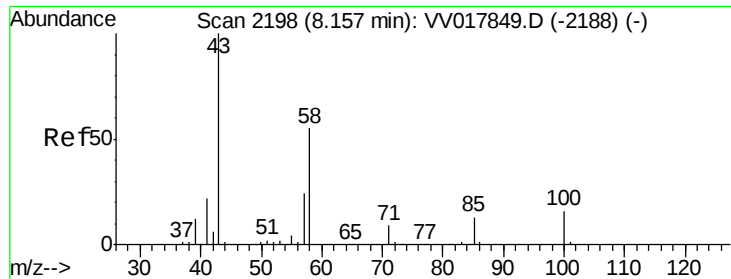
Ion 164.00 (163.70 to 164.70): VV017851.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV017851.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV017851.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV017851.D (-2136) (-)

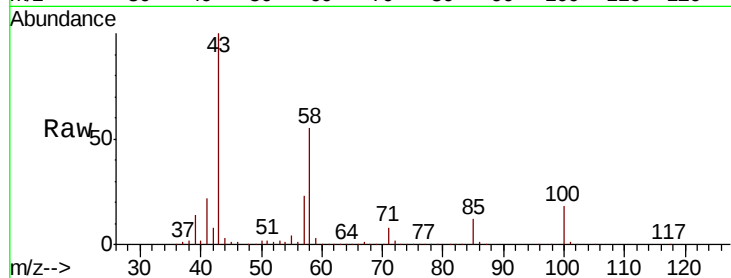




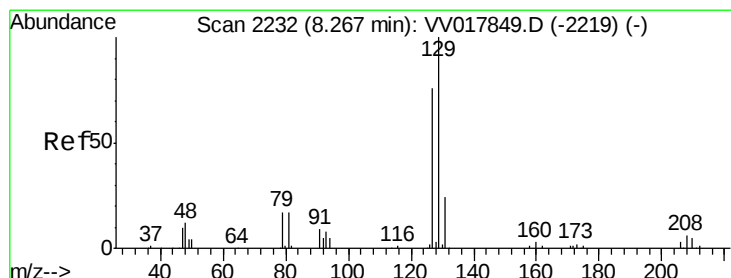
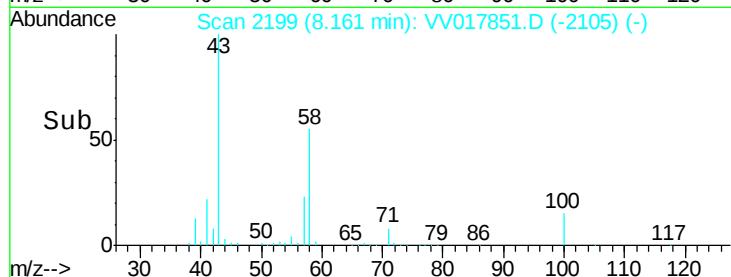
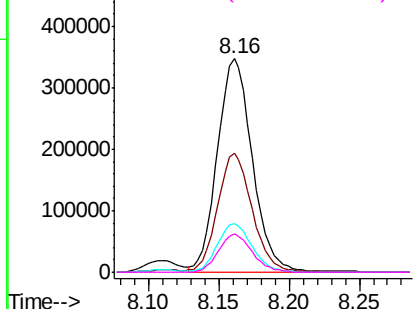
#48
2-Hexanone
Concen: 360.461 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tot Ion: 43 Resp: 600629
Ion Ratio Lower Upper
43 100
58 54.1 43.8 65.8
57 22.6 18.0 27.0
100 17.2 13.8 20.8

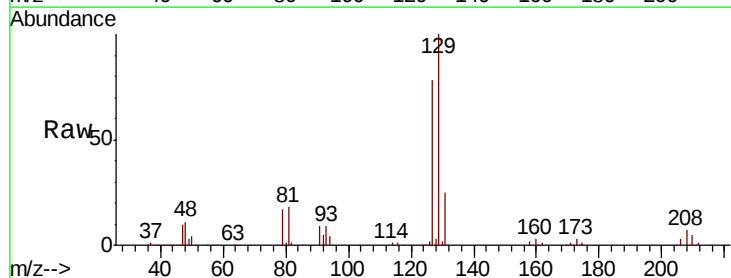


Abundance Ion 43.00 (42.70 to 43.70): VV017851.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV017851.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV017851.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV017851.D (-2195) (-)

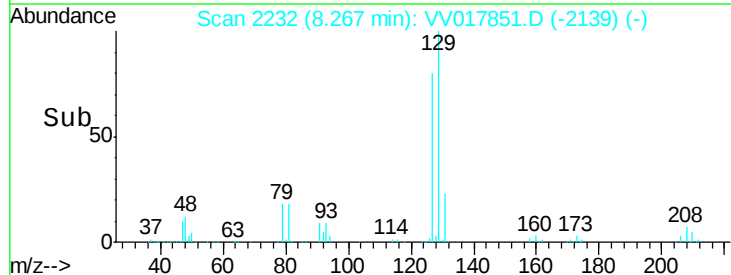
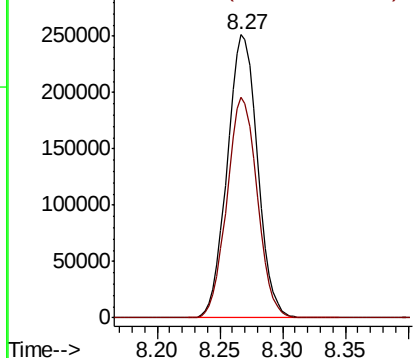


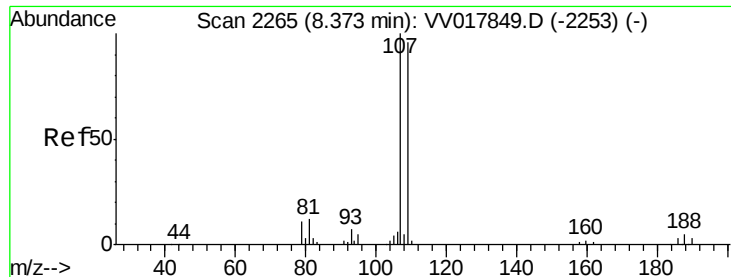
#49
Dibromochloromethane
Concen: 187.199 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion: 129 Resp: 422019
Ion Ratio Lower Upper
129 100
127 77.9 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017851.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV017851.D (-2225) (-)

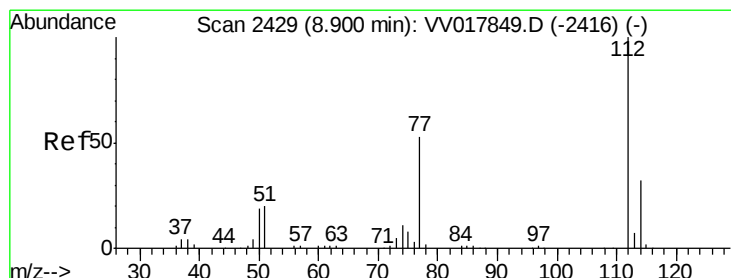
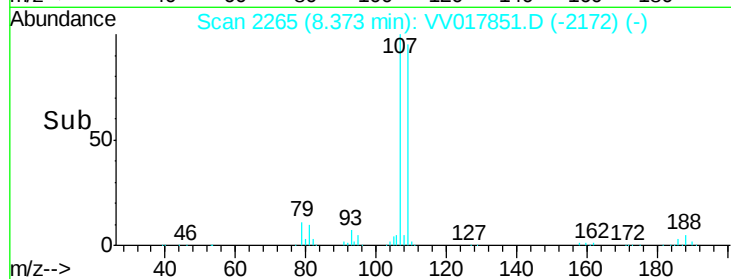
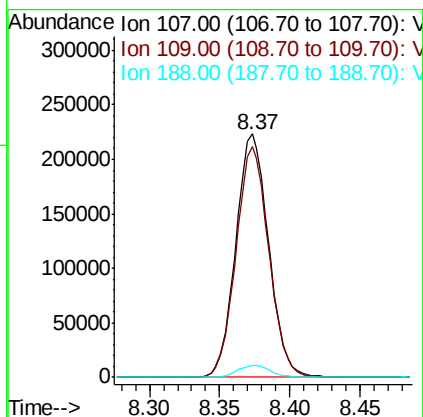
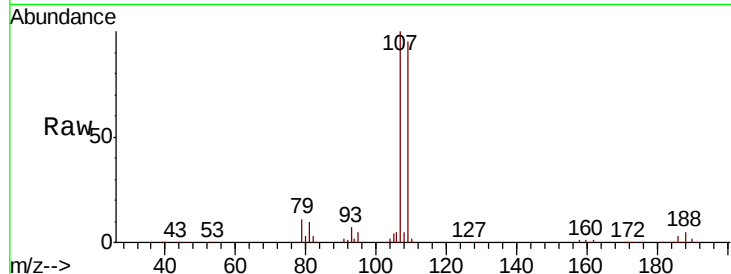




#50
1,2-Dibromoethane
Concen: 188.513 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

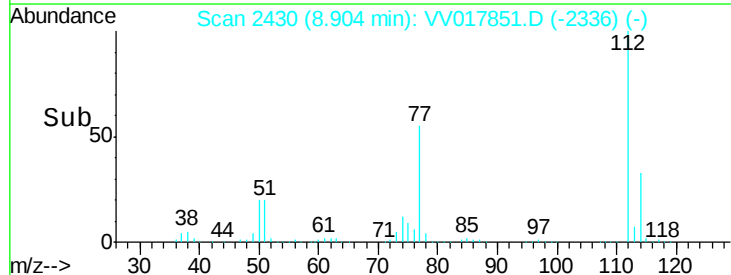
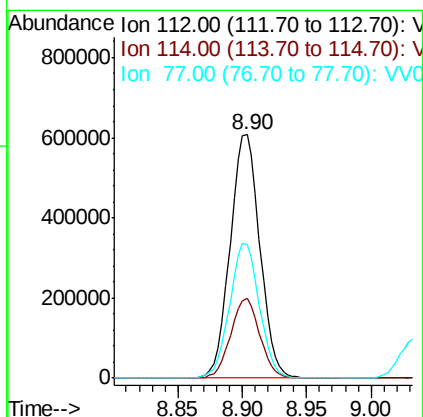
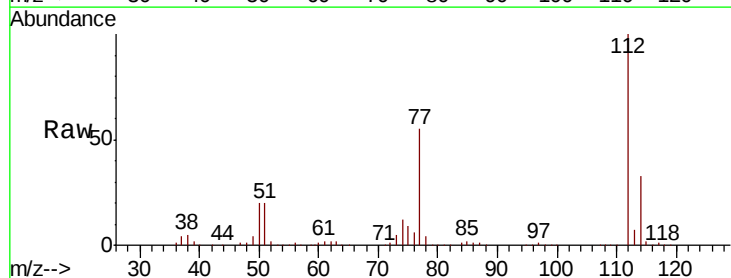
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

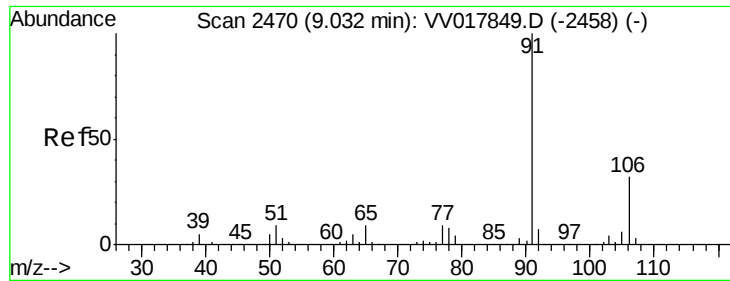
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	67.3	125.1
188	4.8	4.3	6.5



#51
Chlorobenzene
Concen: 187.138 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.4	41.6
77	54.9	42.7	64.1





#52

Ethylbenzene

Concen: 191.644 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

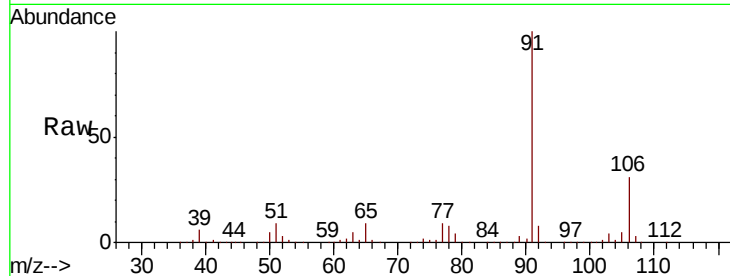
VSTD20066

Tot Ion: 91 Resp: 1657117

Ion Ratio Lower Upper

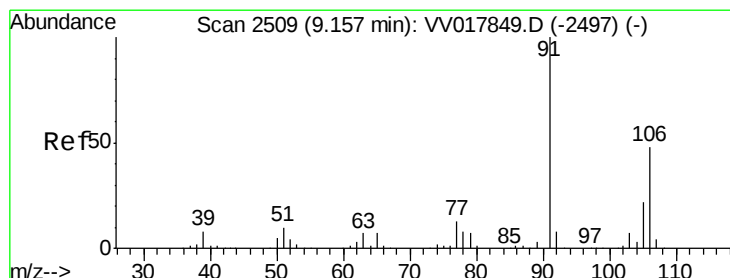
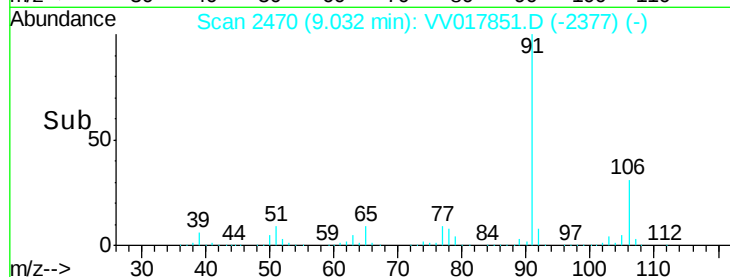
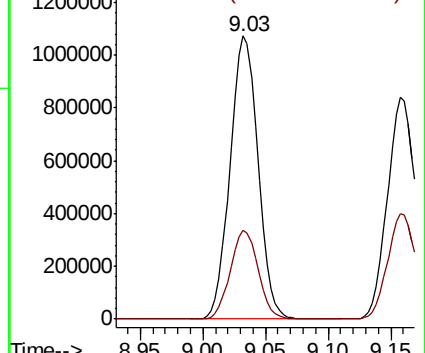
91 100

106 31.4 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017851.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017851.D (-2377) (-)



#53

m,p-Xylene

Concen: 192.111 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017851.D

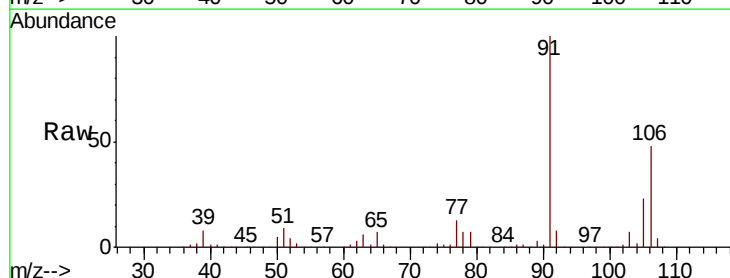
Acq: 08 Aug 2020 13:03

Tgt Ion: 106 Resp: 636573

Ion Ratio Lower Upper

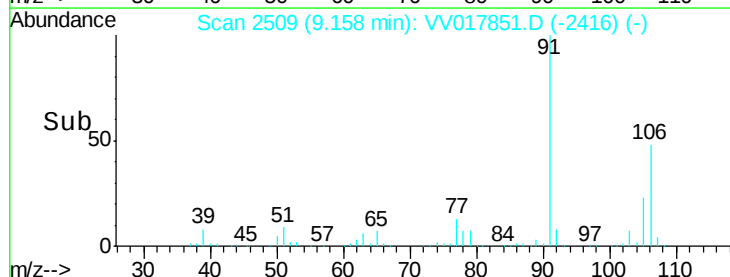
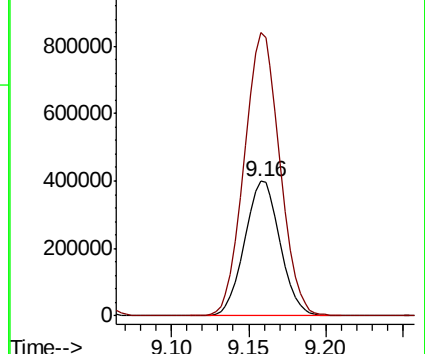
106 100

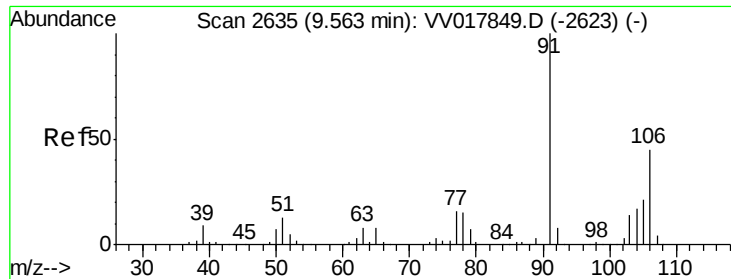
91 210.4 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017851.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017851.D (-2416) (-)

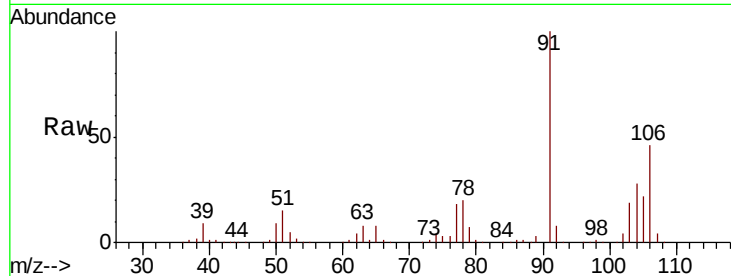




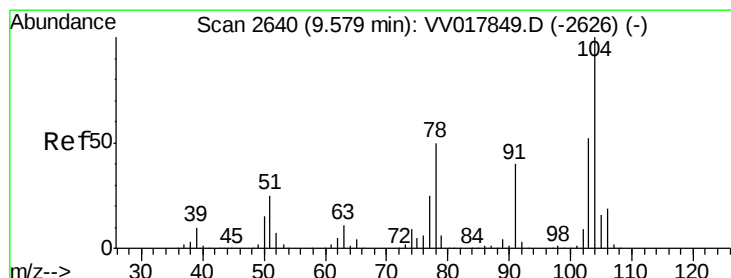
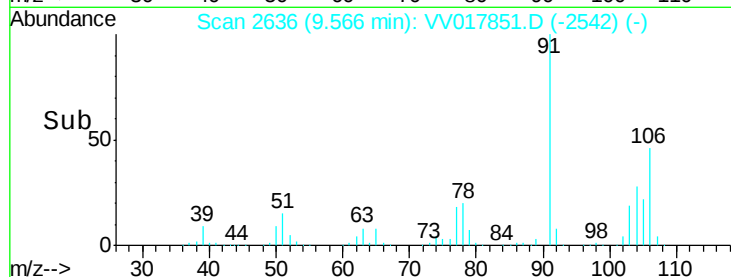
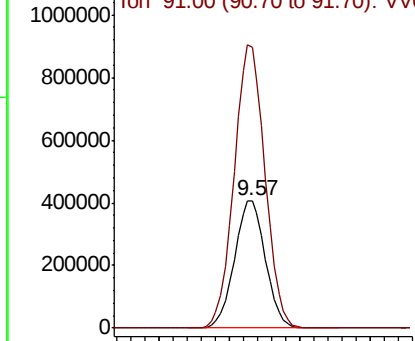
#54
o-xylene
Concen: 194.457 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tot Ion:106 Resp: 623269
Ion Ratio Lower Upper
106 100
91 219.6 155.2 288.2

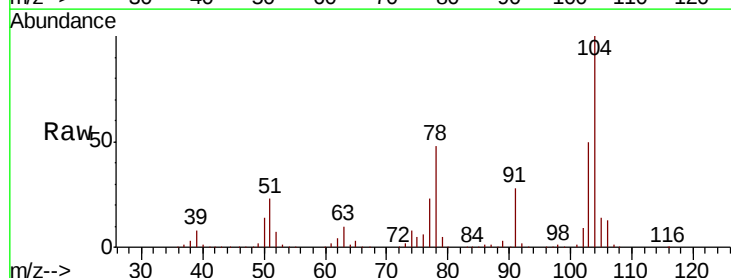


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

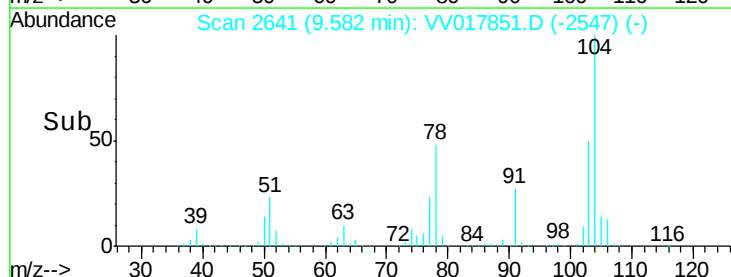
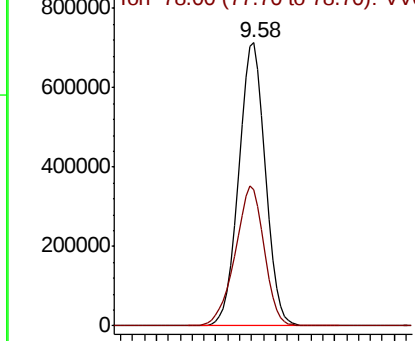


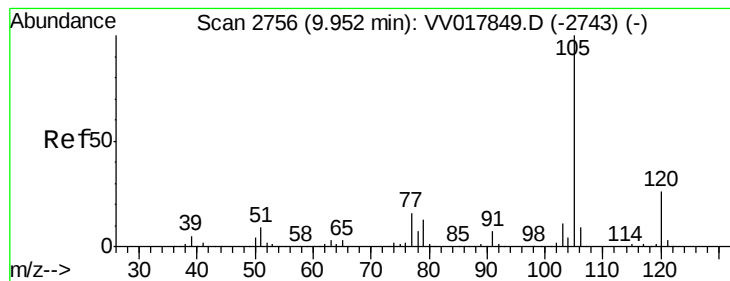
#55
Styrene
Concen: 198.609 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017851.D
Acq: 08 Aug 2020 13:03

Tgt Ion:104 Resp: 1105384
Ion Ratio Lower Upper
104 100
78 48.3 35.4 65.7



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





#56

Isopropylbenzene

Concen: 200.879 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

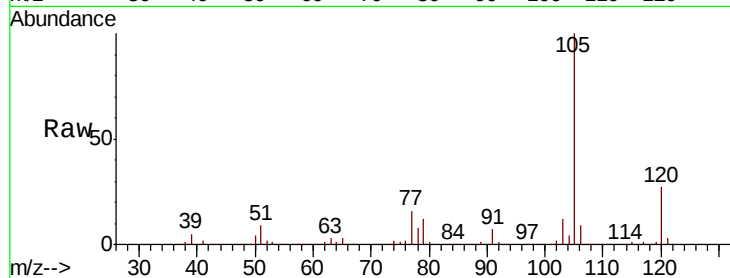
Tot Ion:105 Resp: 1767981

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

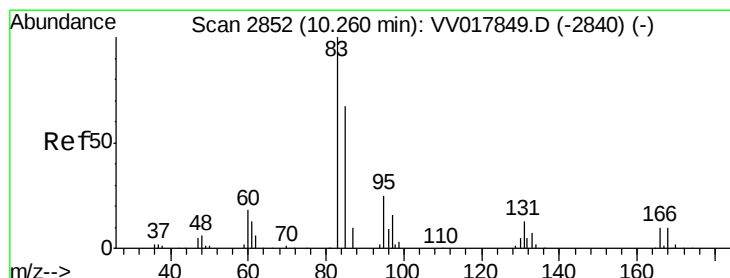
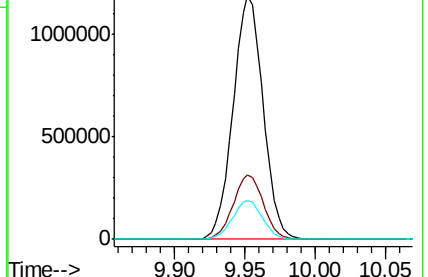
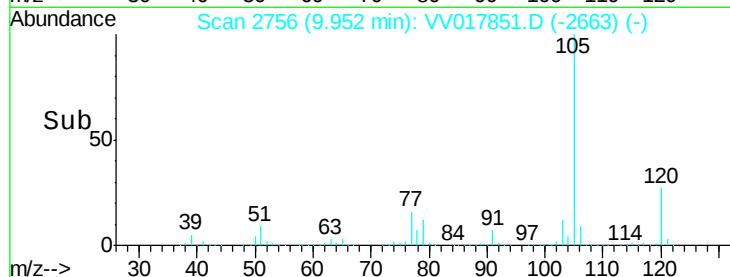
77 16.0 13.0 19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 183.526 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

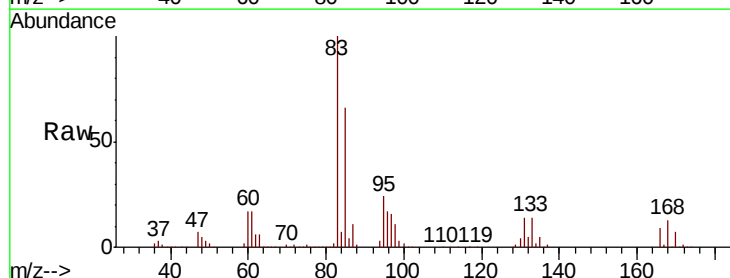
Tgt Ion: 83 Resp: 466985

Ion Ratio Lower Upper

83 100

85 65.7 47.5 88.1

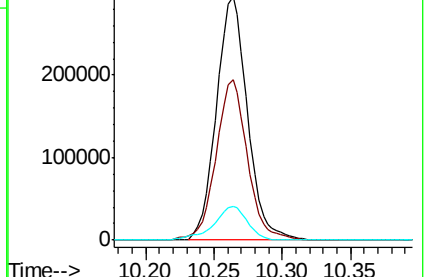
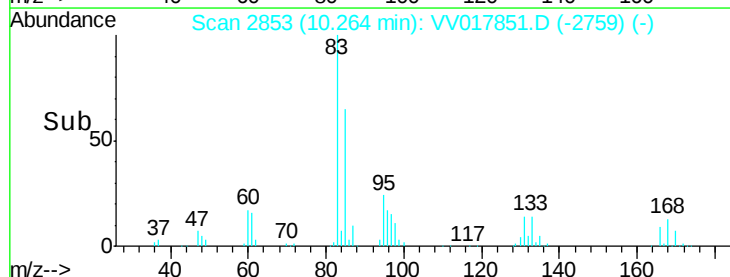
131 14.0 11.1 16.7

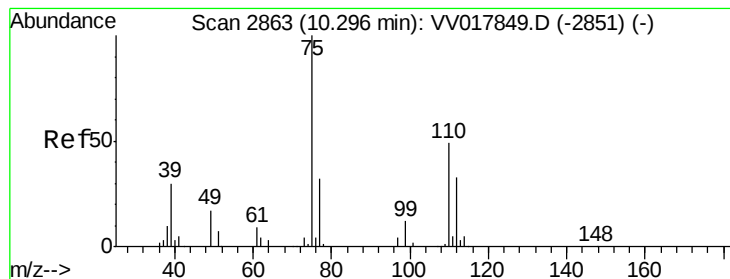


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 184.061 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

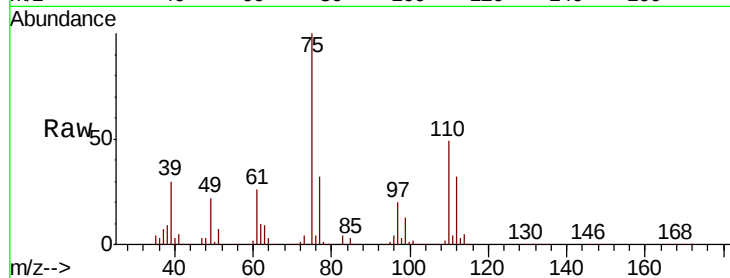
VSTD20066

Tot Ion: 75 Resp: 413847

Ion Ratio Lower Upper

75 100

77 32.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2851) (-)

10.30

250000

200000

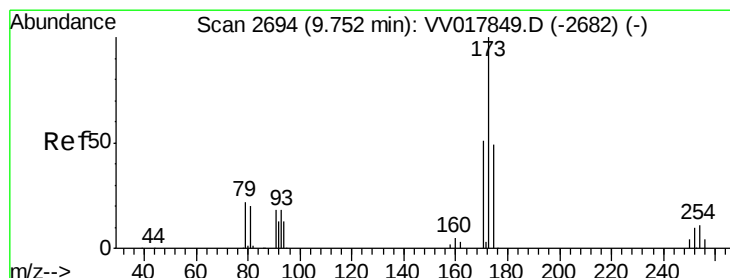
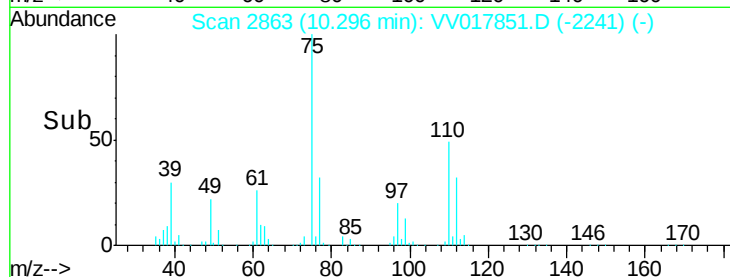
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 180.363 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

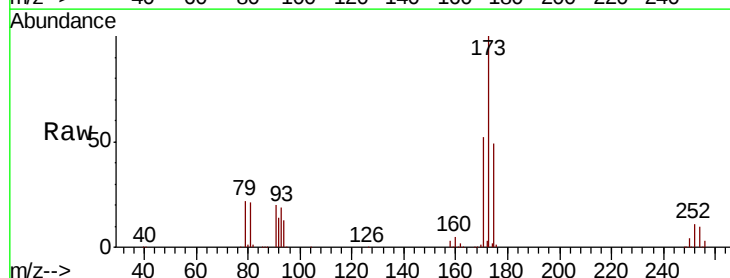
Tgt Ion: 173 Resp: 328593

Ion Ratio Lower Upper

173 100

175 48.7 40.6 60.8

254 10.3 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): VV017849.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017849.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017849.D (-2682) (-)

250000

200000

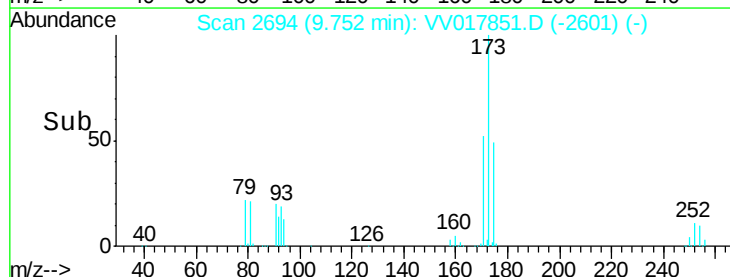
150000

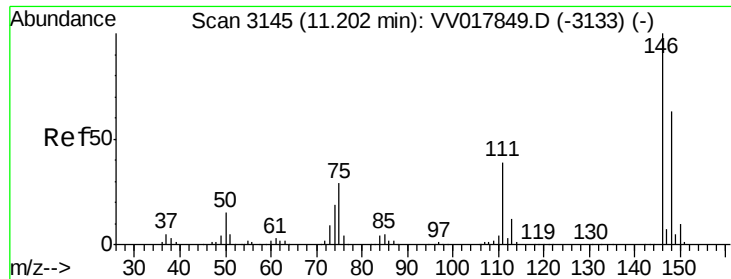
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 185.862 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

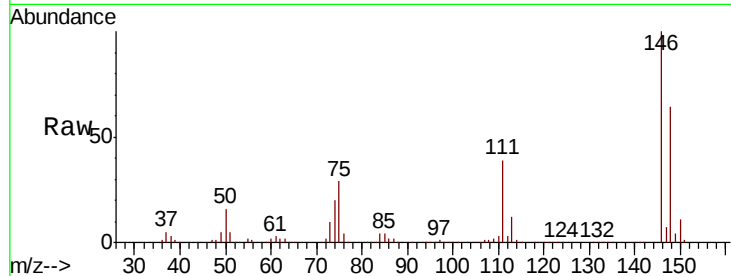
Tot Ion:146 Resp: 930122

Ion Ratio Lower Upper

146 100

111 39.1 27.1 50.3

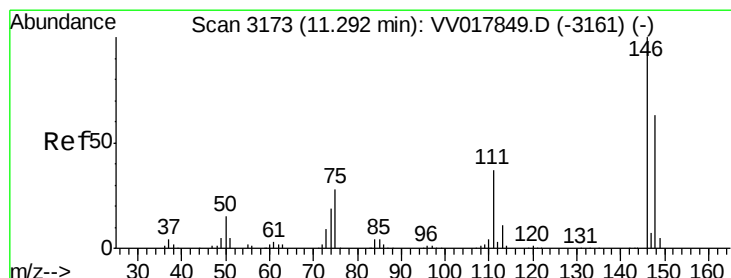
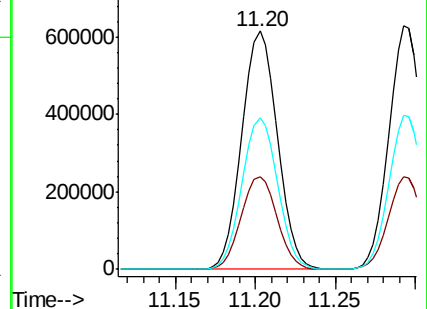
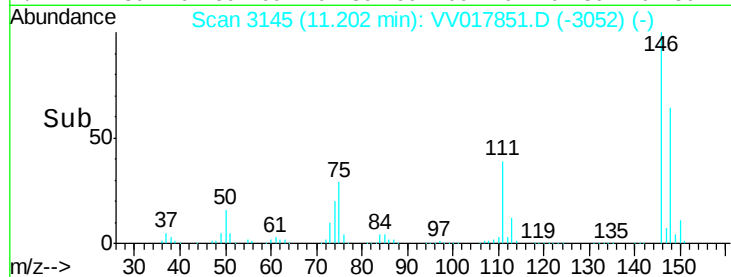
148 63.6 43.8 81.4



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: 185.782 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

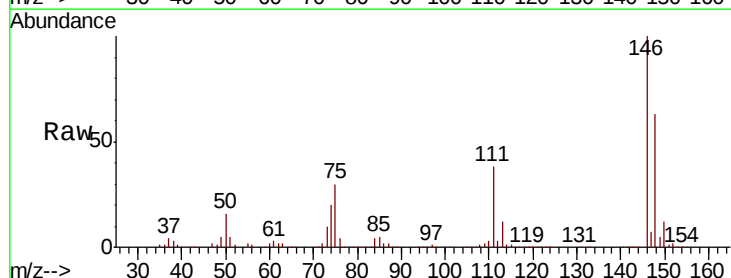
Tgt Ion:146 Resp: 941628

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.8

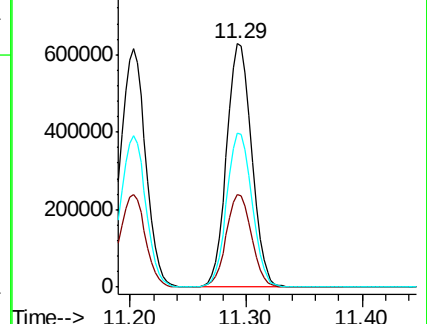
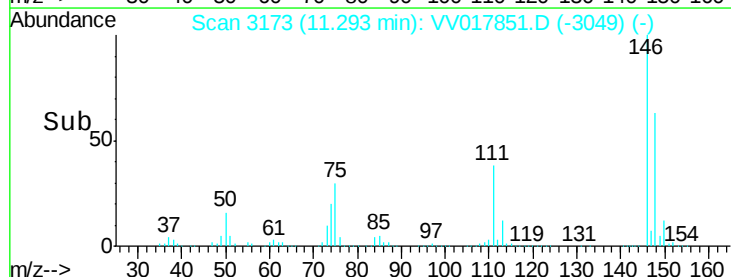
148 63.2 44.3 82.3

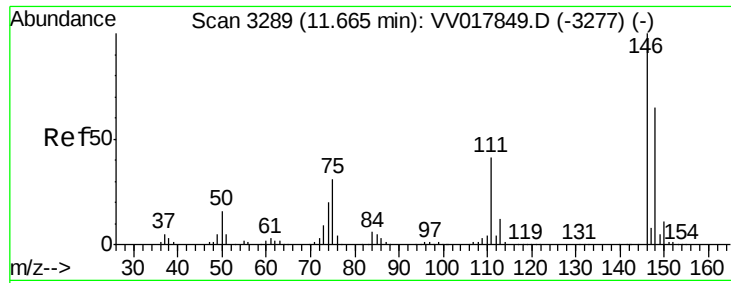


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 189.824 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

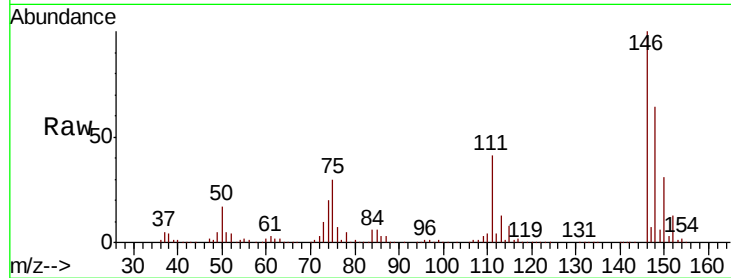
Tot Ion:146 Resp: 947437

Ion Ratio Lower Upper

146 100

111 40.6 32.9 49.3

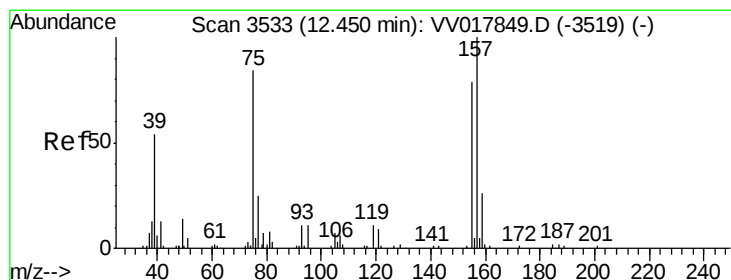
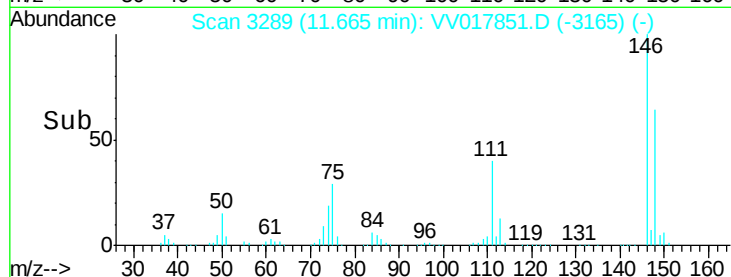
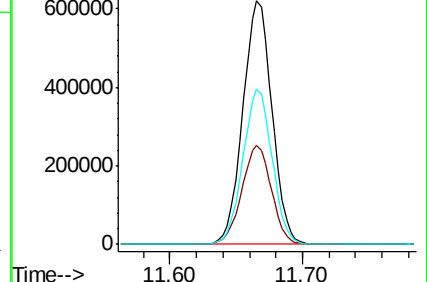
148 63.7 51.9 77.9



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: 187.974 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

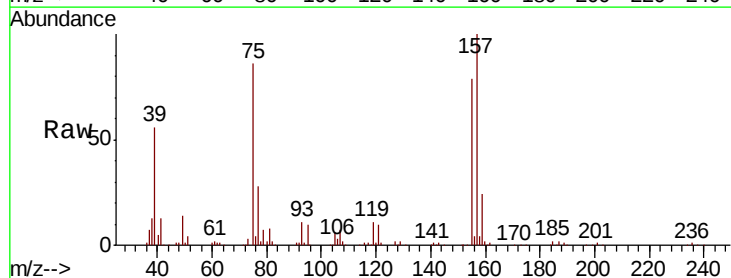
Tgt Ion: 75 Resp: 143837

Ion Ratio Lower Upper

75 100

155 91.4 75.0 112.6

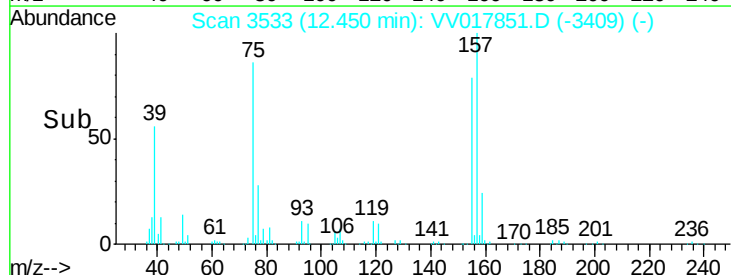
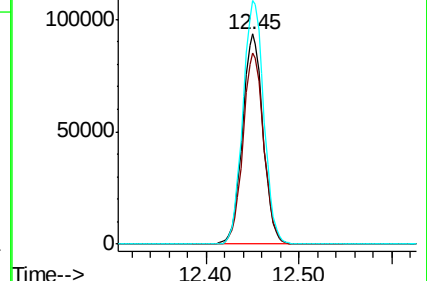
157 116.1 95.0 142.4

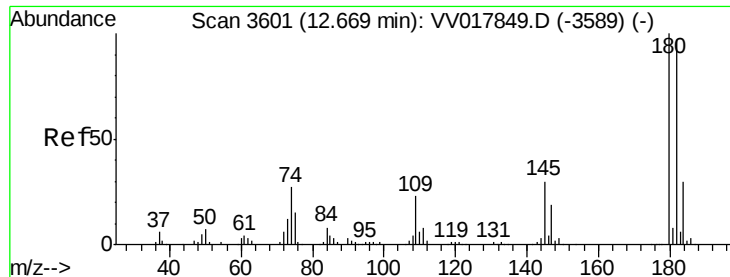


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 195.806 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

Tot Ion:180 Resp: 767880

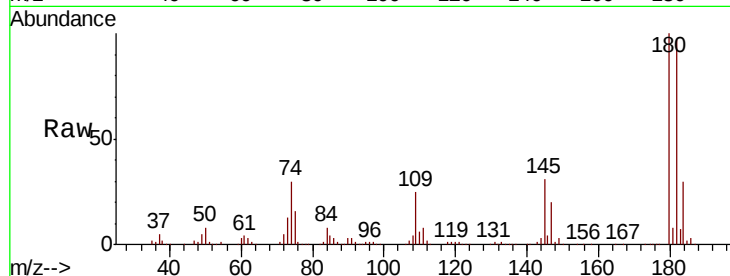
Ion Ratio Lower Upper

180 100

182 96.2 76.7 115.1

184 30.3 24.4 36.6

145 30.9 24.2 36.4

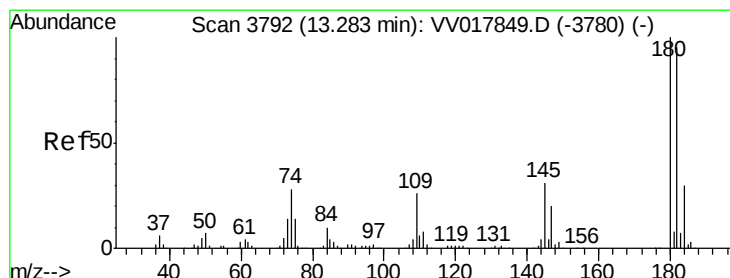
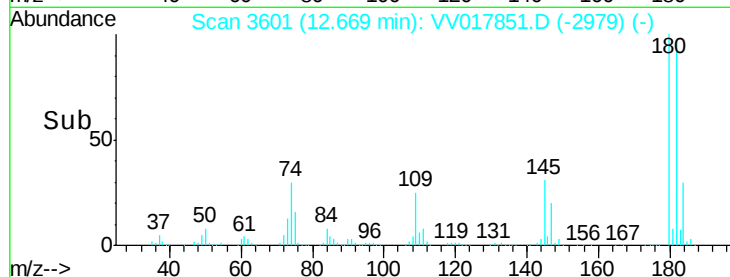
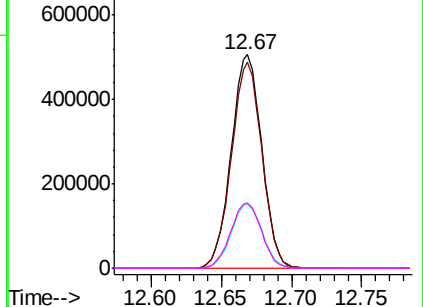


Abundance Ion 180.00 (179.70 to 180.70): V

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: 203.504 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

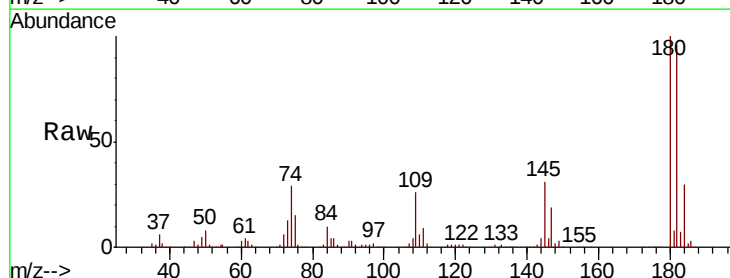
Tgt Ion:180 Resp: 694408

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

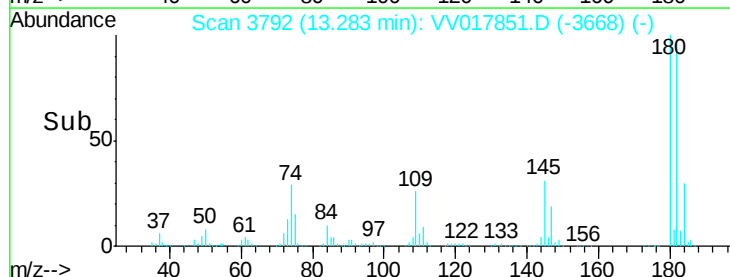
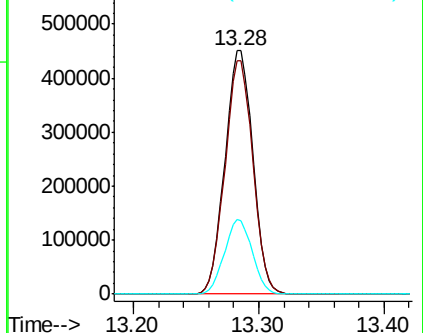
145 30.5 24.1 36.1

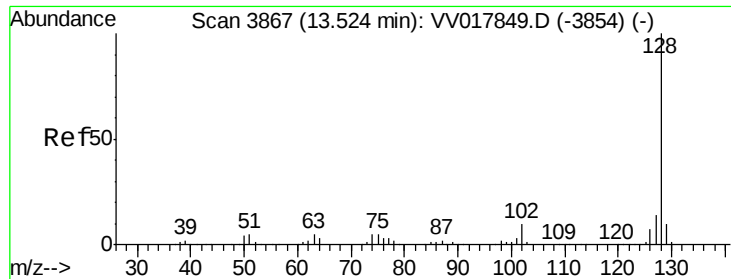


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 206.102 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

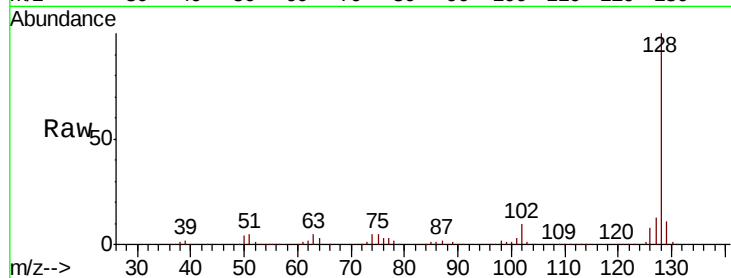
Tot Ion:128 Resp: 1841483

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

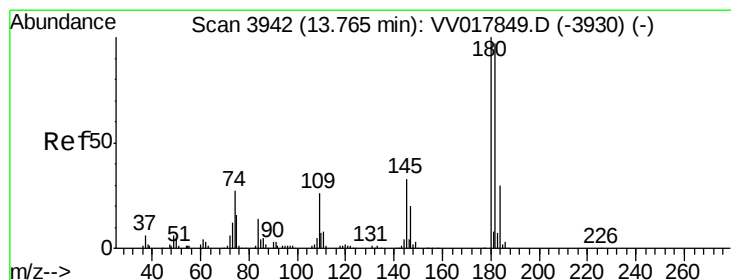
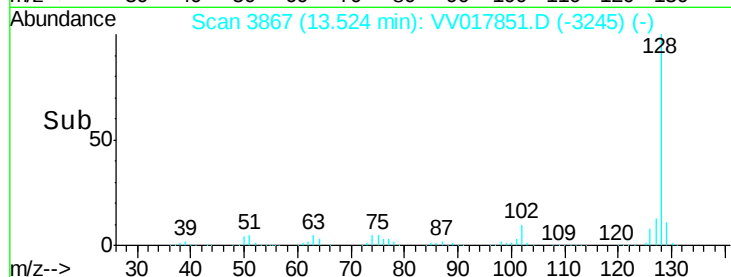
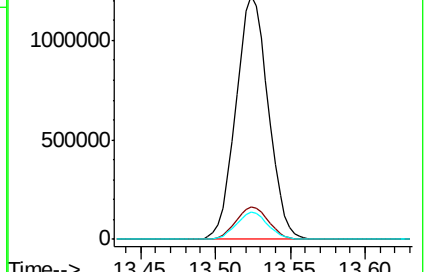
129 10.9 8.5 12.7



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: 198.281 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017851.D

Acq: 08 Aug 2020 13:03

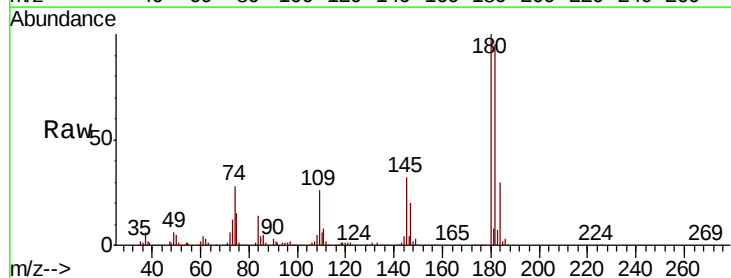
Tgt Ion:180 Resp: 674178

Ion Ratio Lower Upper

180 100

182 95.8 76.7 115.1

145 32.4 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

