

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017473.D
 Acq On : 14 Jul 2020 09:54
 Operator : SY/MD
 Sample : VSTD00136
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Quant Time: Jul 15 02:02:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138866	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135448	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71210	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7608	0.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	6037	0.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17630	1.09	ug/L	0.00
20) 2-Butanone-d5	3.97	46	5268	2.58	ug/L	0.02
24) Chloroform-d	4.38	84	18145	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	8912	0.92	ug/L	0.00
32) Benzene-d6	5.07	84	30419	0.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	8562	0.84	ug/L	0.00
41) Toluene-d8	7.34	98	29611	0.91	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	3702	0.84	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	10382	6.50	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	5760	0.84	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	12302	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16273	1.338	ug/L 97
3) Chloromethane	1.25	50	11853	1.225	ug/L 92
5) Vinyl chloride	1.32	62	11239	1.182	ug/L 92
6) Bromomethane	1.53	94	6890	1.233	ug/L 94
8) Chloroethane	1.60	64	6382	1.199	ug/L 99
9) Trichlorofluoromethane	1.77	101	20503	1.291	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9630	1.246	ug/L 95
12) 1,1-Dichloroethene	2.14	96	8500	1.220	ug/L 85
13) Acetone	2.23	43	2935	2.698	ug/L 86
14) Carbon disulfide	2.31	76	26299	1.236	ug/L 100
15) Methyl Acetate	2.47	43	2061	0.819	ug/L 99
16) Methylene chloride	2.52	84	11012	1.472	ug/L 94
17) Methyl tert-butyl Ether	2.79	73	20906	1.196	ug/L 95
18) trans-1,2-Dichloroethene	2.78	96	9308	1.243	ug/L 95
19) 1,1-Dichloroethane	3.21	63	17820	1.102	ug/L 96
21) 2-Butanone	4.05	43	6137	3.094	ug/L # 48
22) cis-1,2-Dichloroethene	3.95	96	9687	1.002	ug/L 84
23) Bromochloromethane	4.27	128	4505	1.074	ug/L # 78
25) Chloroform	4.41	83	18979	1.078	ug/L 99
27) 1,2-Dichloroethane	5.16	62	12110	1.088	ug/L 97
29) 1,1,1-Trichloroethane	4.63	97	18924	1.121	ug/L 97
30) Cyclohexane	4.70	56	14373	0.937	ug/L 99
31) Carbon tetrachloride	4.85	117	17319	1.130	ug/L 100
33) Benzene	5.13	78	34724	0.972	ug/L 100
34) Trichloroethene	5.94	95	11048	1.049	ug/L 94
35) Methylcyclohexane	6.15	83	15680	0.969	ug/L 99
37) 1,2-Dichloropropane	6.20	63	8030	0.930	ug/L # 97
38) Bromodichloromethane	6.54	83	11944	0.976	ug/L 93
39) cis-1,3-Dichloropropene	7.05	75	13095	0.996	ug/L 96
40) 4-Methyl-2-pentanone	7.26	43	41837	8.391	ug/L 99

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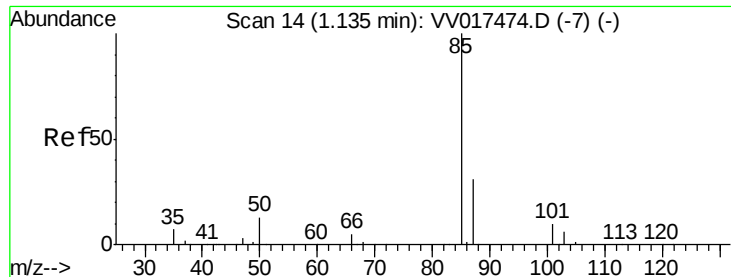
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.41	91	37701	0.909	ug/L	92
43) 1,3,5-Trimethylbenzene	10.56	105	35479	0.946	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	34907	0.917	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	10530	0.915	ug/L	87
47) 1,1,2-Trichloroethane	7.87	97	6357	1.021	ug/L	94
49) Tetrachloroethene	8.00	164	9120	1.059	ug/L	94
50) 2-Hexanone	8.17	43	30786	8.681	ug/L	99
51) Dibromochloromethane	8.27	129	8189	1.052	ug/L	98
52) 1,2-Dibromoethane	8.38	107	6372	1.071	ug/L #	98
53) Chlorobenzene	8.90	112	26082	1.002	ug/L	97
54) Ethylbenzene	9.04	91	42430	0.955	ug/L	99
55) m,p-xylene	9.16	106	16109	0.925	ug/L	93
56) o-xylene	9.56	106	15363	0.947	ug/L	92
57) Styrene	9.59	104	26081	0.962	ug/L	99
58) Isopropylbenzene	9.95	105	43693	0.970	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	5925	0.924	ug/L	99
62) Bromoform	9.76	173	4405	1.109	ug/L	97
63) 1,3-Dichlorobenzene	11.21	146	22257	1.030	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	22265	1.016	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	20002	1.022	ug/L	94
67) 1,2-Dibromo-3-chloropropan	12.45	75	1305	1.166	ug/L #	85
68) 1,3,5-Trichlorobenzene	12.67	180	18692	1.075	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	14633	1.022	ug/L	94
70) Naphthalene	13.53	128	18841	0.932	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	12361	1.039	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.338 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

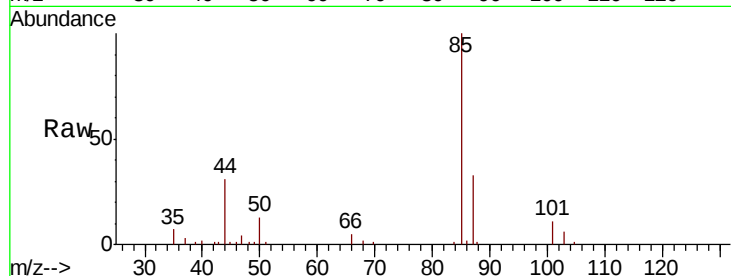
VSTD00136

Tot Ion: 85 Resp: 16273

Ion Ratio Lower Upper

85 100

87 33.2 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

20000

15000

10000

5000

0

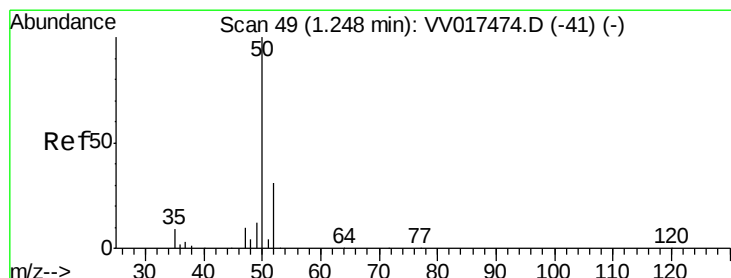
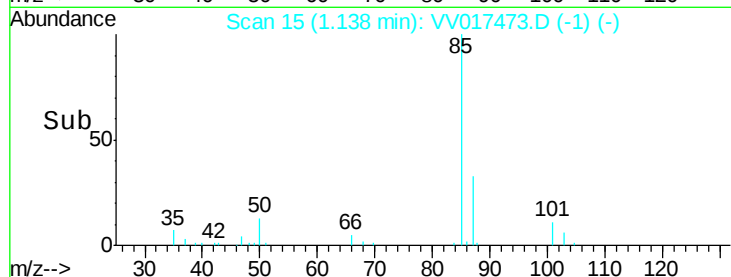
1.14

1.10

1.15

1.20

Time-->



#3

Chloromethane

Concen: 1.225 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017473.D

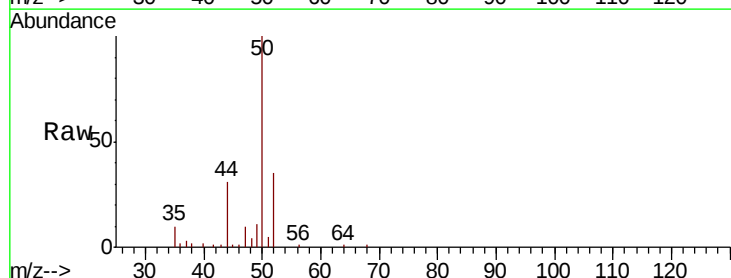
Acq: 14 Jul 2020 09:54

Tgt Ion: 50 Resp: 11853

Ion Ratio Lower Upper

50 100

52 35.2 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

12000

10000

8000

6000

4000

2000

0

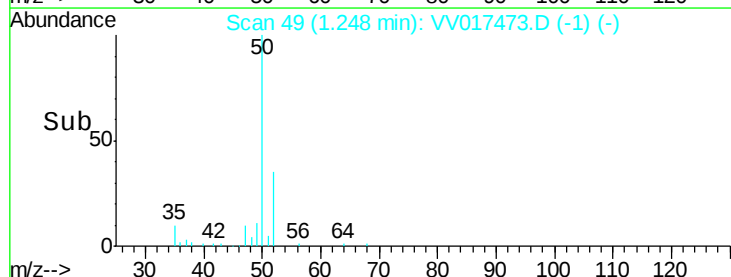
1.25

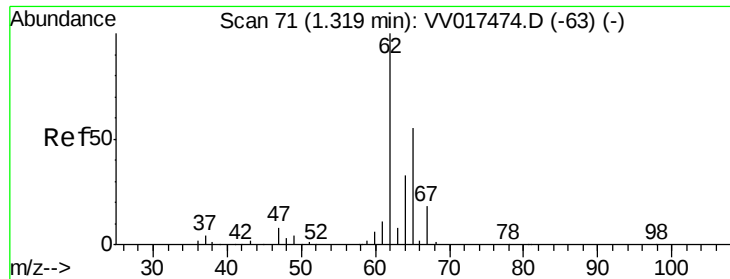
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 1.182 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

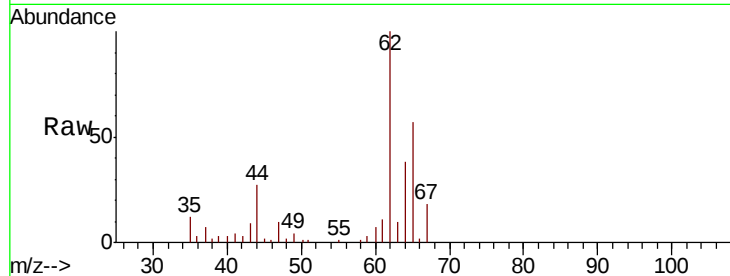
VSTD00136

Tot Ion: 62 Resp: 11239

Ion Ratio Lower Upper

62 100

64 37.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

12000

10000

8000

6000

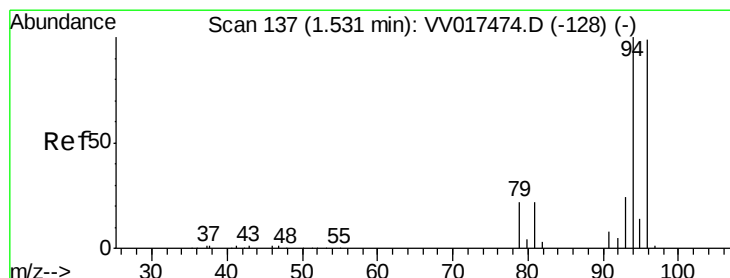
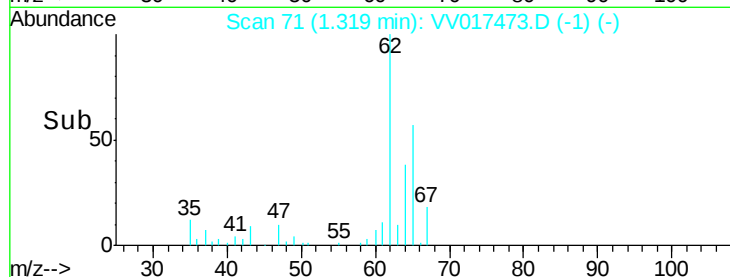
4000

2000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 1.233 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017473.D

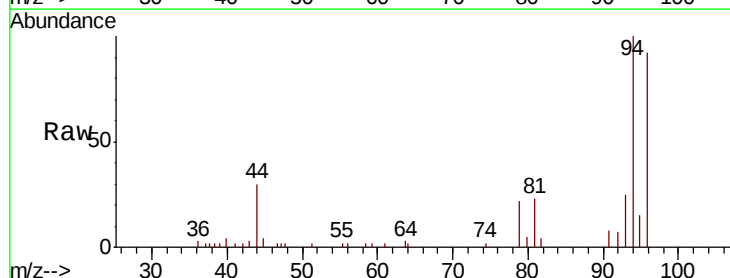
Acq: 14 Jul 2020 09:54

Tgt Ion: 94 Resp: 6890

Ion Ratio Lower Upper

94 100

96 92.4 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

6000

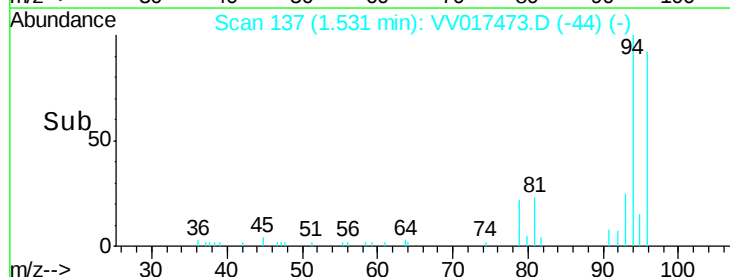
4000

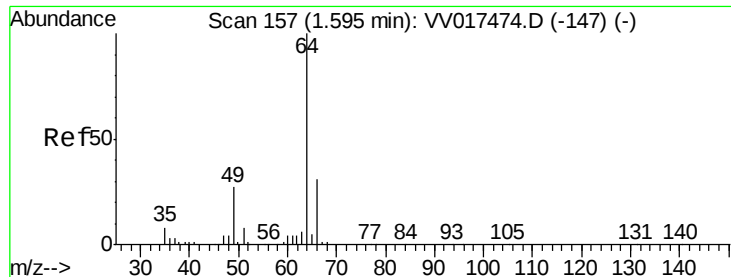
2000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 1.199 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

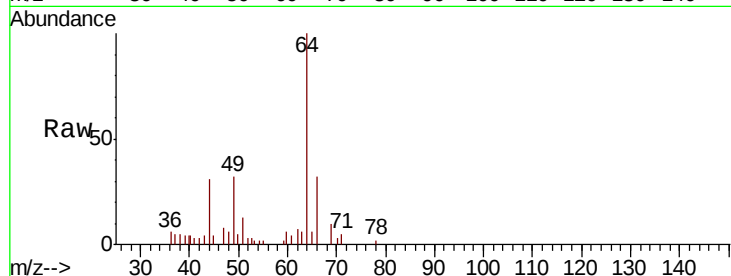
VSTD00136

Tot Ion: 64 Resp: 6382

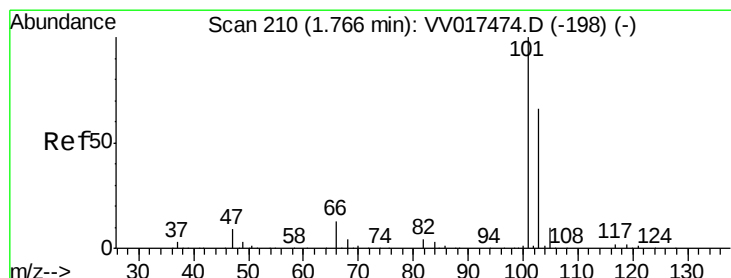
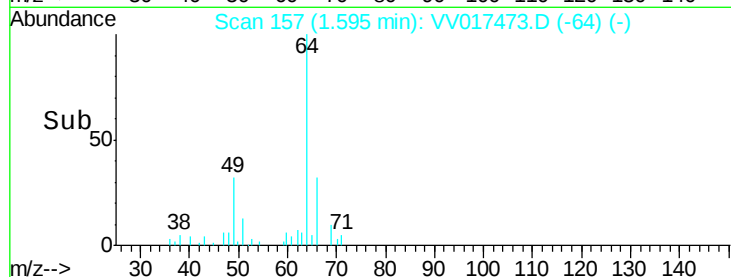
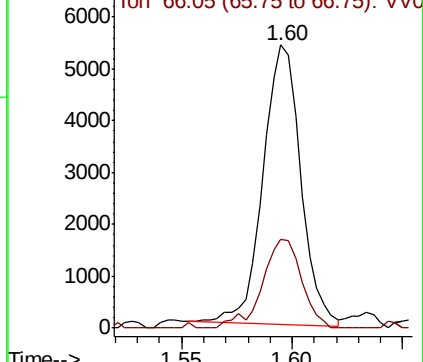
Ion Ratio Lower Upper

64 100

66 31.5 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VV0



#9

Trichlorofluoromethane

Concen: 1.291 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV017473.D

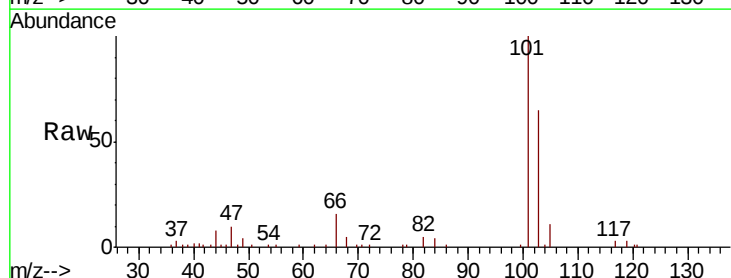
Acq: 14 Jul 2020 09:54

Tgt Ion:101 Resp: 20503

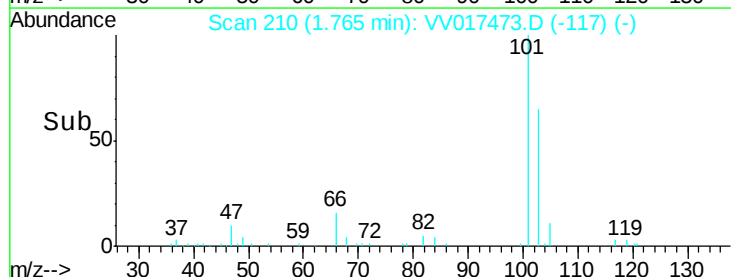
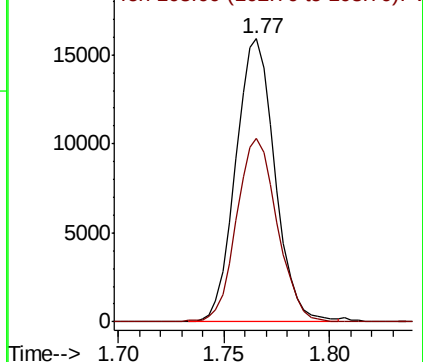
Ion Ratio Lower Upper

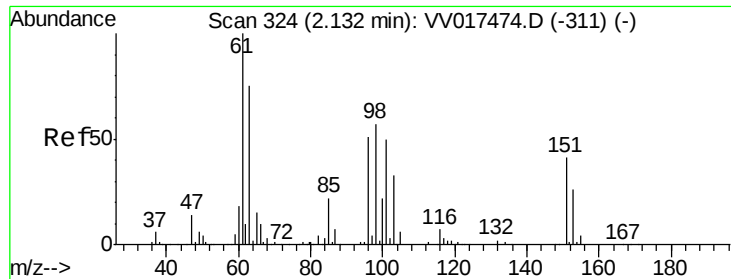
101 100

103 67.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V





#10

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

Concen: 1.246 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

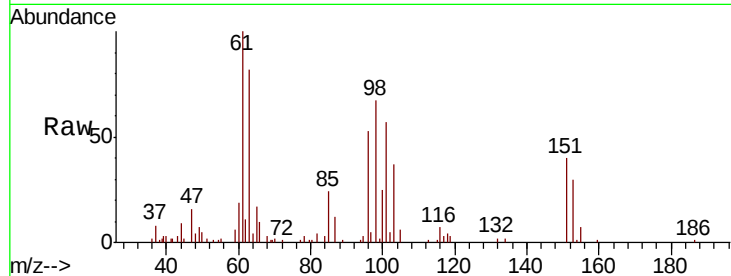
Tot Ion:101 Resp: 9630

Ion Ratio Lower Upper

101 100

85 48.2 35.4 53.2

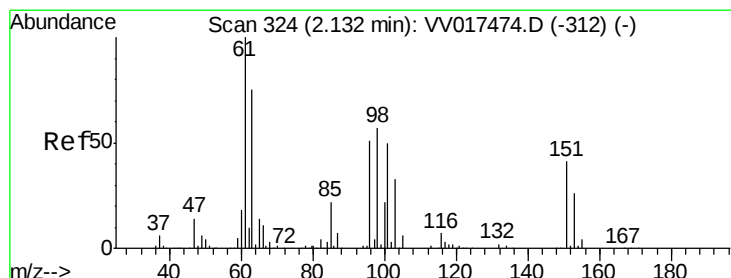
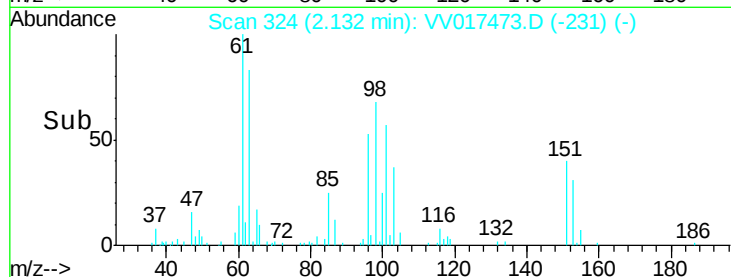
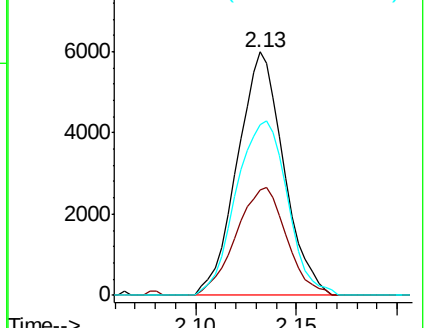
151 79.3 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.220 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

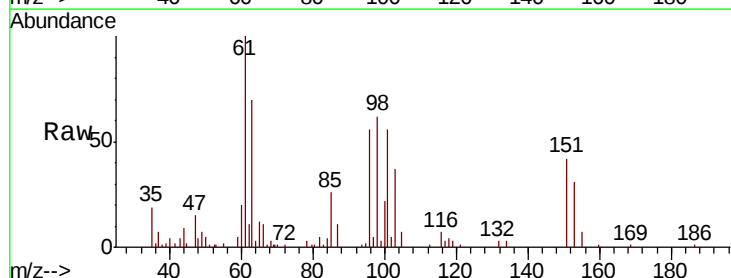
Tgt Ion: 96 Resp: 8500

Ion Ratio Lower Upper

96 100

61 177.5 137.2 254.8

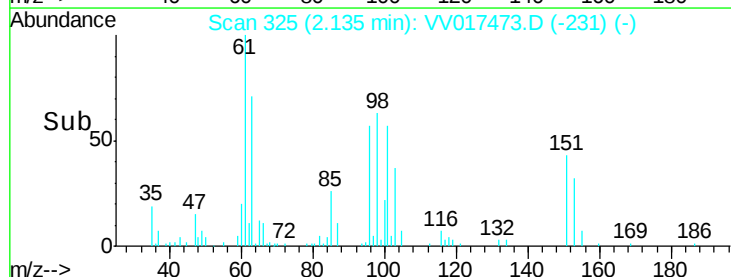
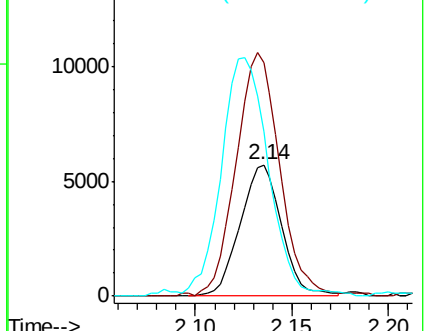
63 124.5 103.6 192.4

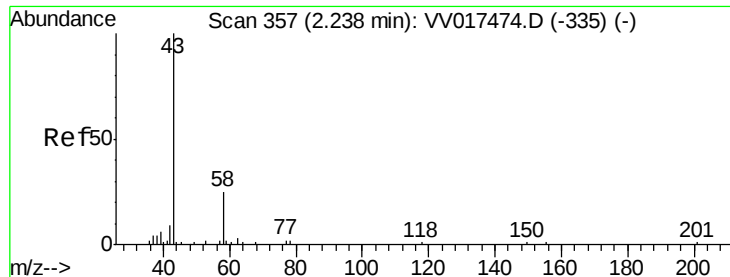


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.698 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

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MSVOA_V

ClientSampleId :

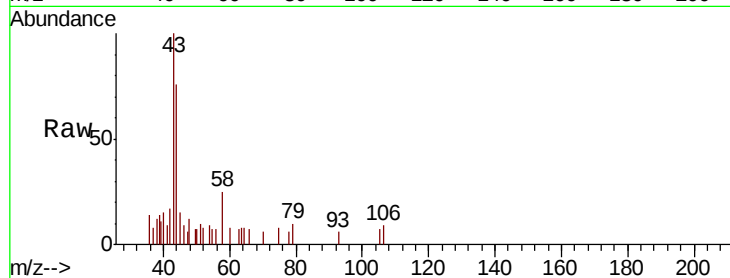
VSTD00136

Tot Ion: 43 Resp: 2935

Ion Ratio Lower Upper

43 100

58 10.7 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2000

1500

1000

500

0

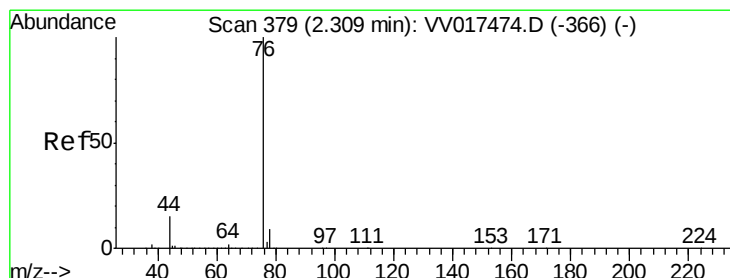
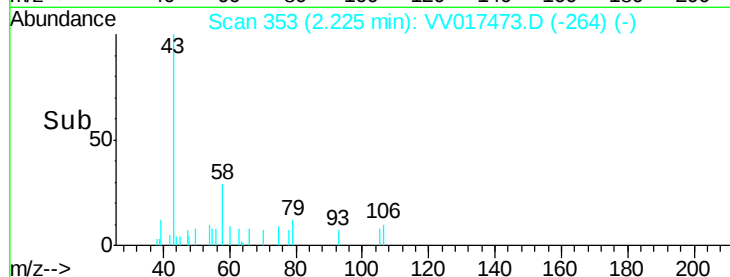
2.15

2.20

2.23

2.25

Time-->



#14

Carbon disulfide

Concen: 1.236 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017473.D

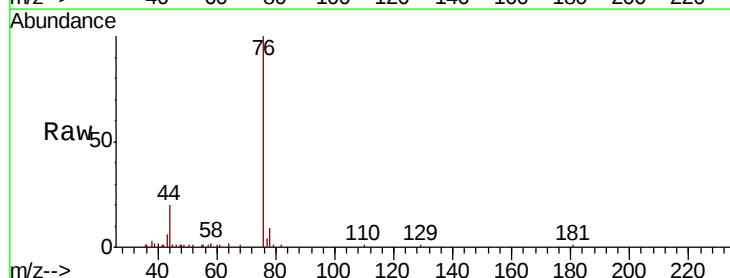
Acq: 14 Jul 2020 09:54

Tgt Ion: 76 Resp: 26299

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

20000

15000

10000

5000

0

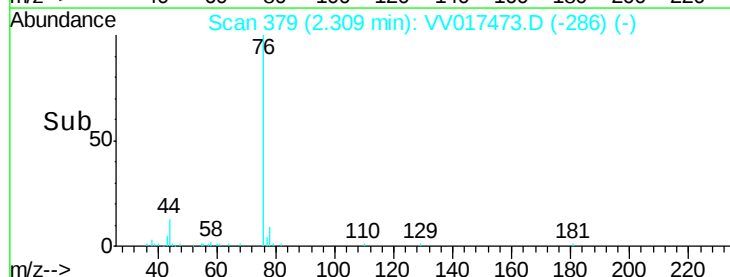
2.25

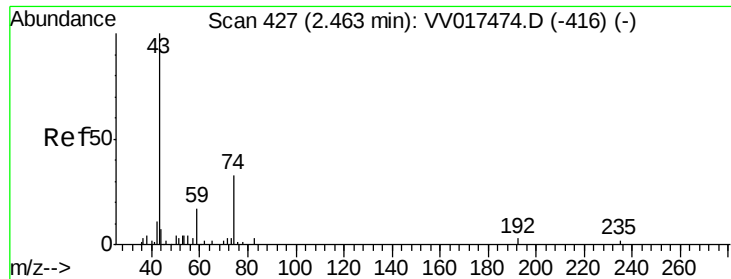
2.30

2.31

2.35

Time-->





#15

Methyl Acetate

Concen: 0.819 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampled :

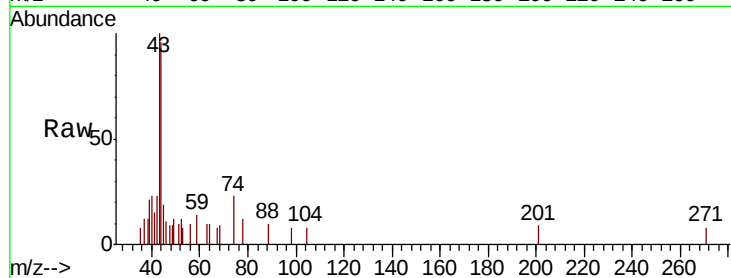
VSTD00136

Tot Ion: 43 Resp: 2061

Ion Ratio Lower Upper

43 100

74 25.0 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

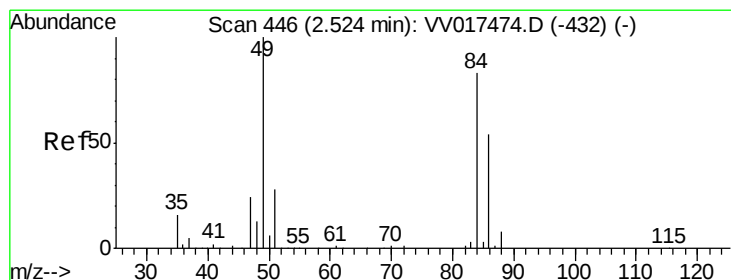
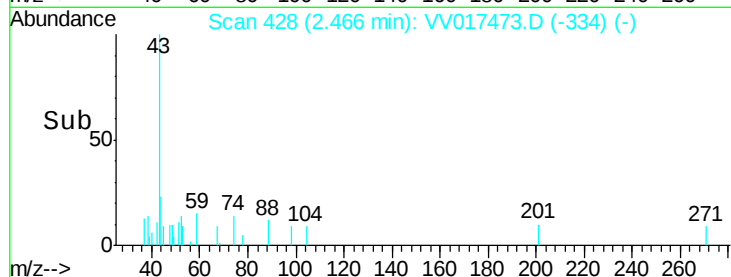
1500

1000

500

0

Time--> 2.40 2.45 2.50



#16

Methylene chloride

Concen: 1.472 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

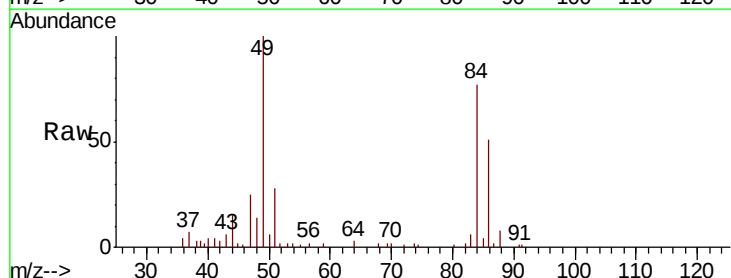
Tgt Ion: 84 Resp: 11012

Ion Ratio Lower Upper

84 100

86 66.8 45.5 84.5

49 130.2 84.6 157.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

10000

8000

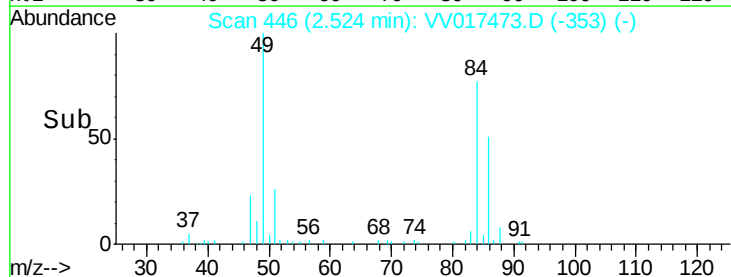
6000

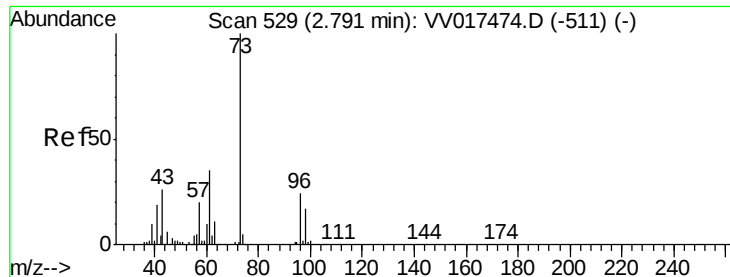
4000

2000

0

Time--> 2.45 2.50 2.55 2.60

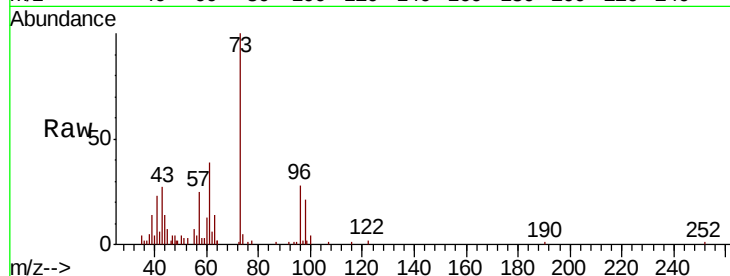




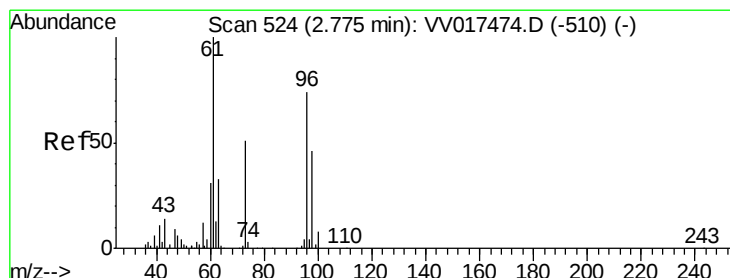
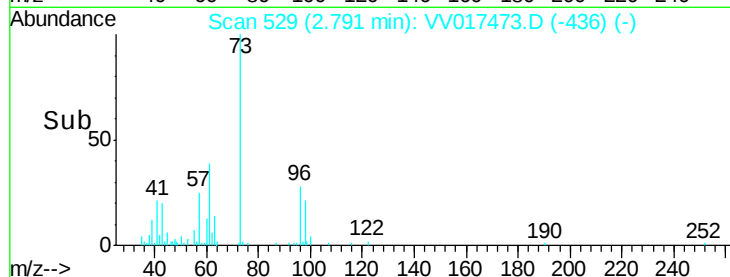
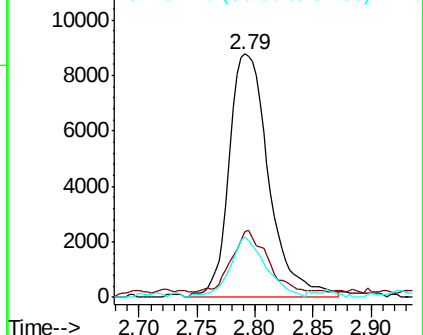
#17
Methvl tert-butvl Ether
Concen: 1.196 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tot Ion: 73 Resp: 20906
Ion Ratio Lower Upper
73 100
43 22.1 20.4 30.6
57 22.3 16.7 25.1

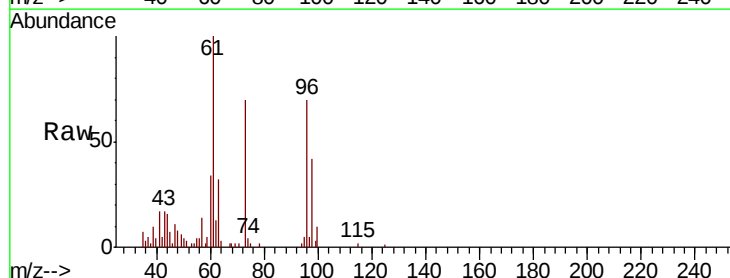


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

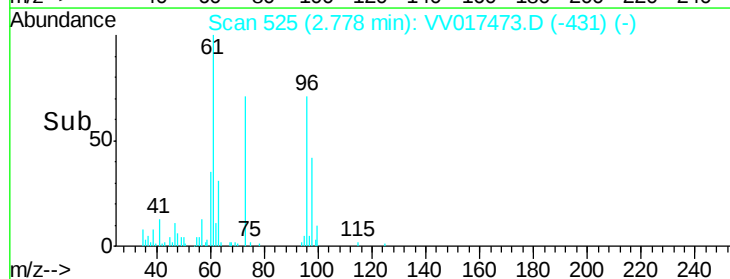
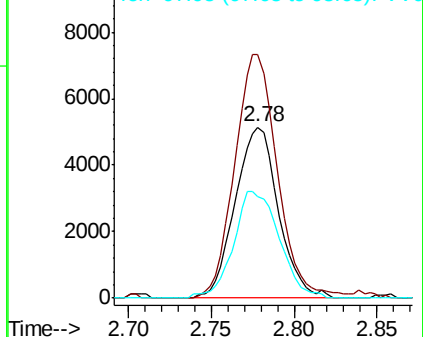


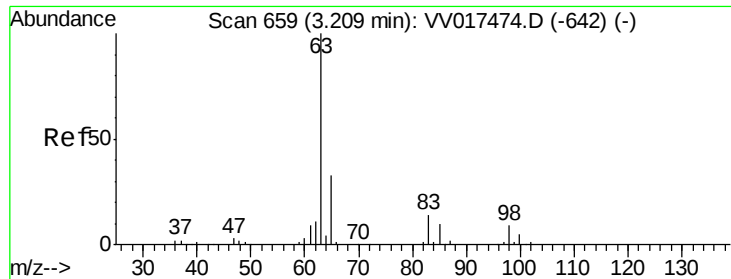
#18
trans-1,2-Dichloroethene
Concen: 1.243 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion: 96 Resp: 9308
Ion Ratio Lower Upper
96 100
61 142.3 95.1 176.7
98 59.3 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

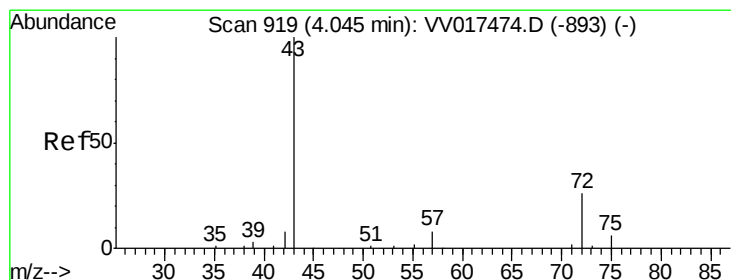
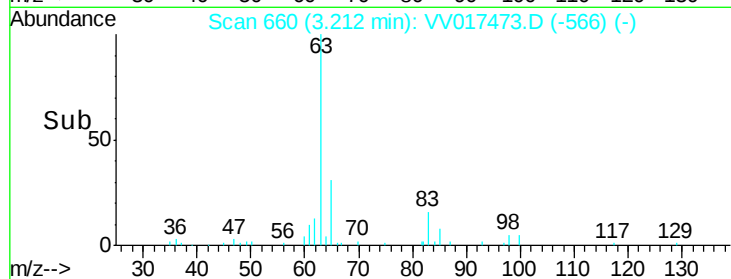
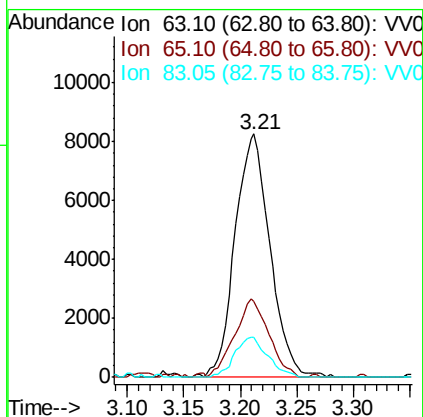
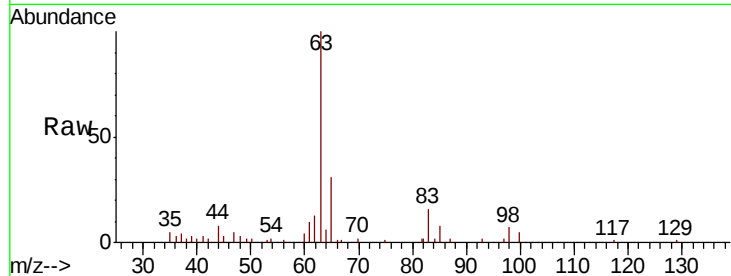




#19
 1,1-Dichloroethane
 Concen: 1.102 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

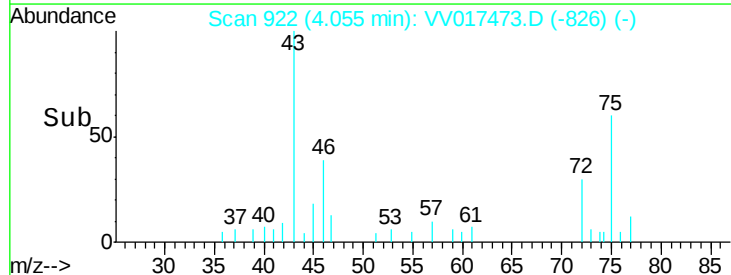
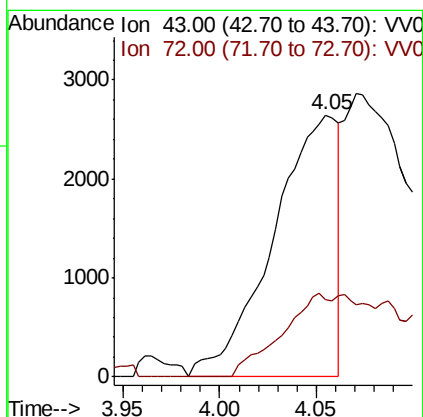
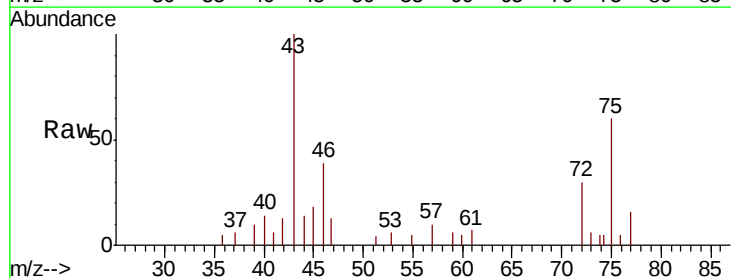
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

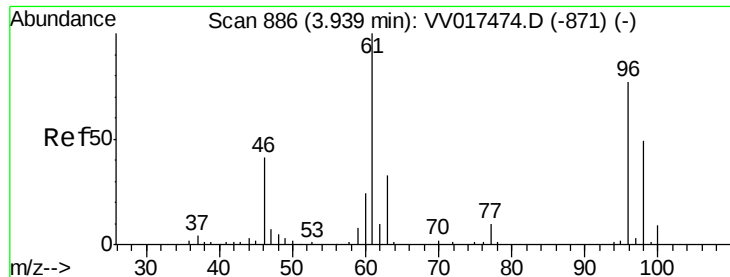
Tot Ion: 63 Resp: 17820
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.2 43.0
 83 16.3 10.1 18.7



#21
 2-Butanone
 Concen: 3.094 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Tgt Ion: 43 Resp: 6137
 Ion Ratio Lower Upper
 43 100
 72 24.6 3.4 10.1#



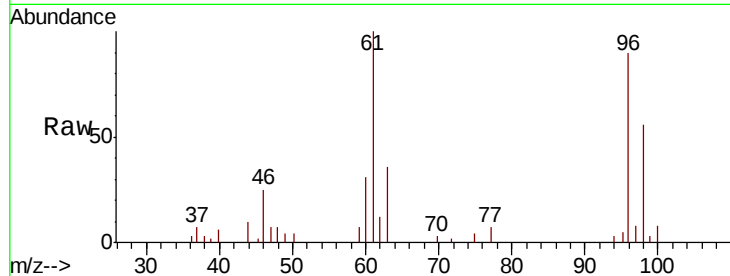


#22

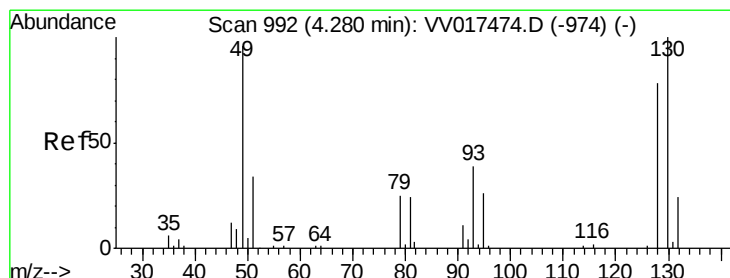
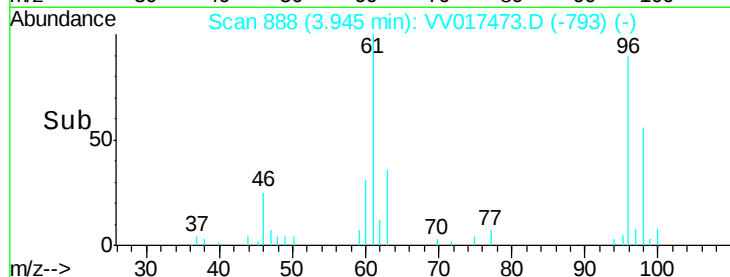
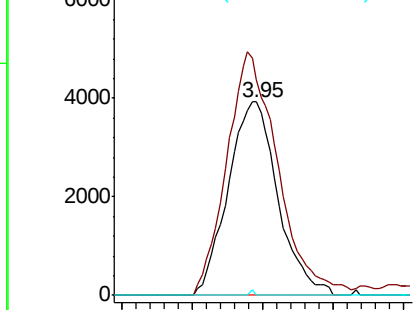
cis-1,2-Dichloroethene
Concen: 1.002 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tot Ion: 96 Resp: 9687
Ion Ratio Lower Upper
96 100
61 111.5 91.5 169.9
68 0.0 0.0 0.0



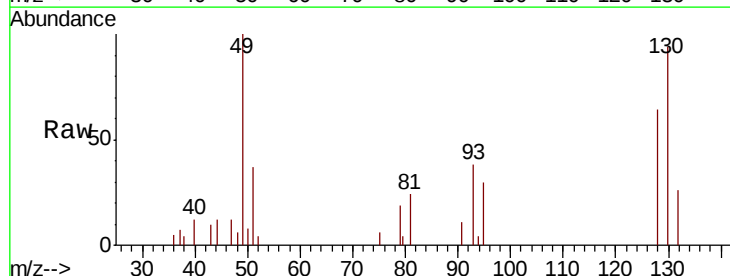
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



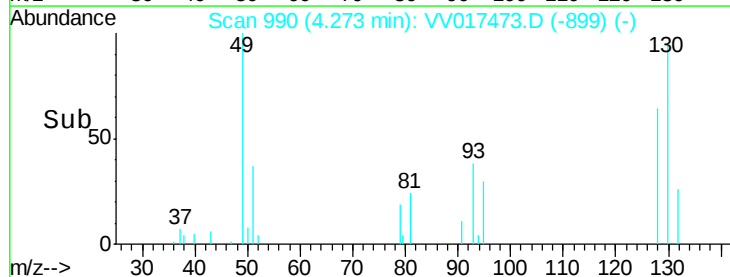
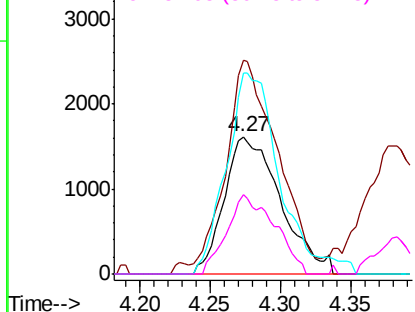
#23

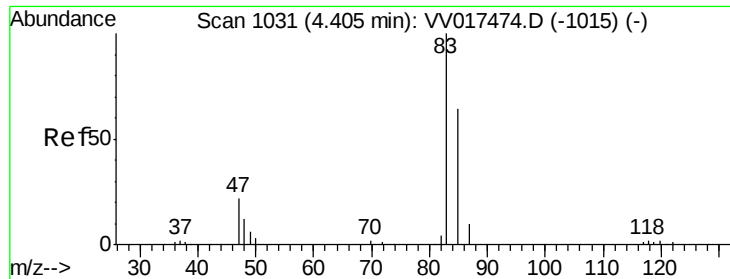
Bromochloromethane
Concen: 1.074 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion: 128 Resp: 4505
Ion Ratio Lower Upper
128 100
49 155.6 86.0 159.6
130 146.4 89.7 166.5
51 58.1 34.7 52.1#



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

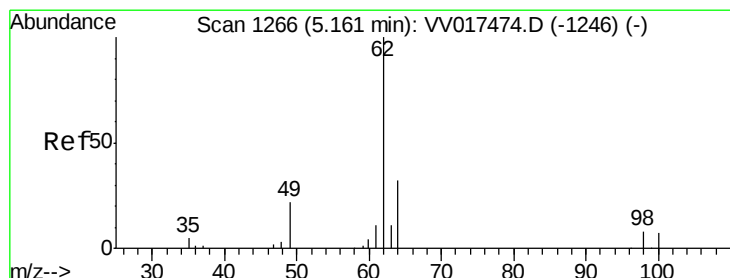
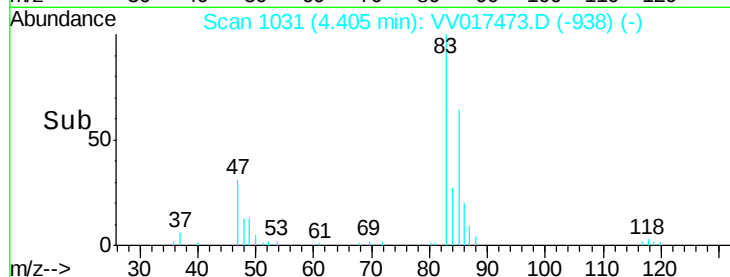
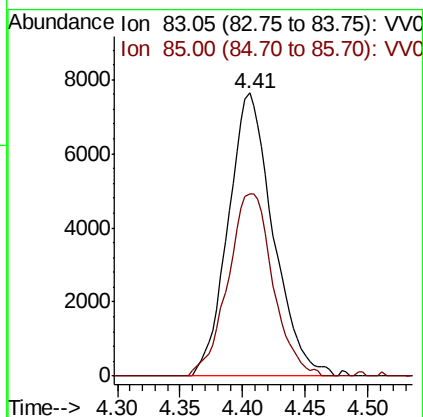
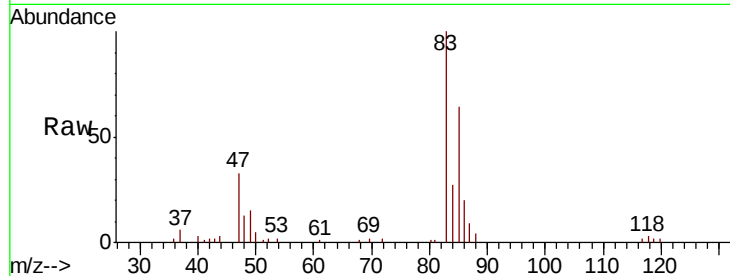




#25
Chloroform
Concen: 1.078 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

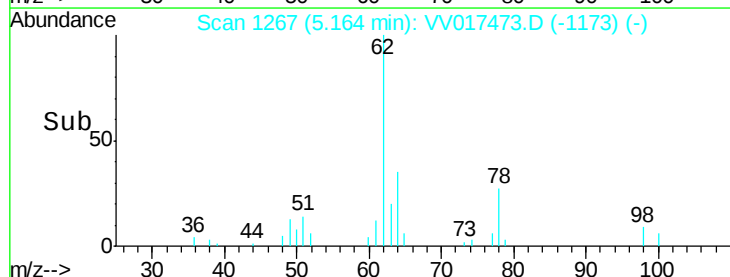
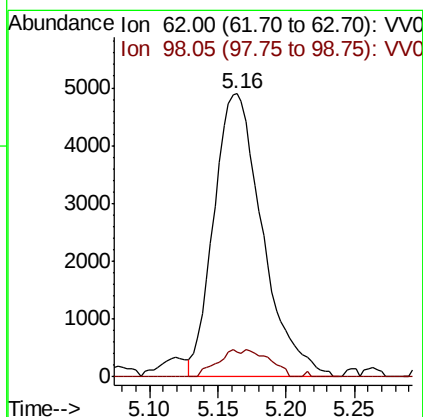
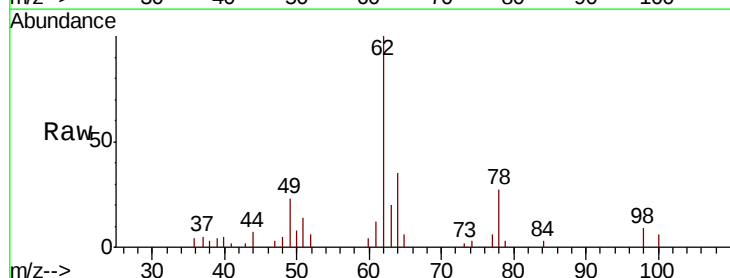
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

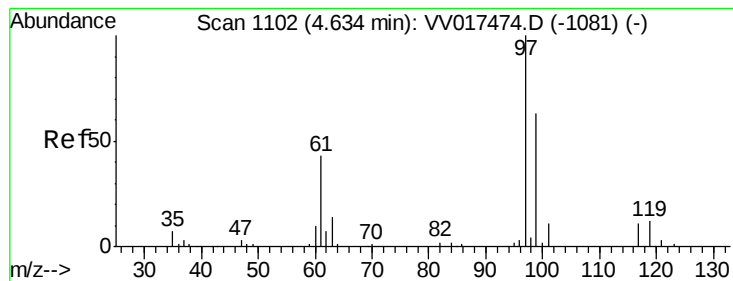
Tot Ion: 83 Resp: 18979
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.088 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion: 62 Resp: 12110
Ion Ratio Lower Upper
62 100
98 8.6 6.2 9.2





#29

1,1,1-Trichloroethane

Concen: 1.121 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

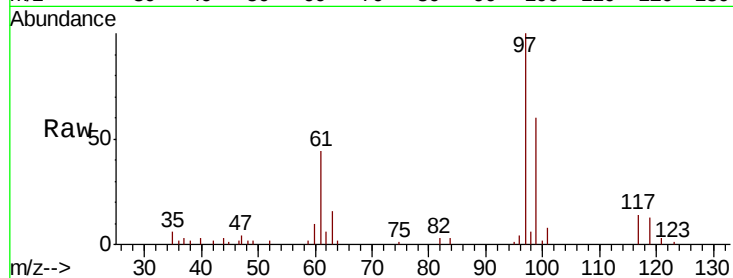
Tot Ion: 97 Resp: 18924

Ion Ratio Lower Upper

97 100

99 64.5 49.1 73.7

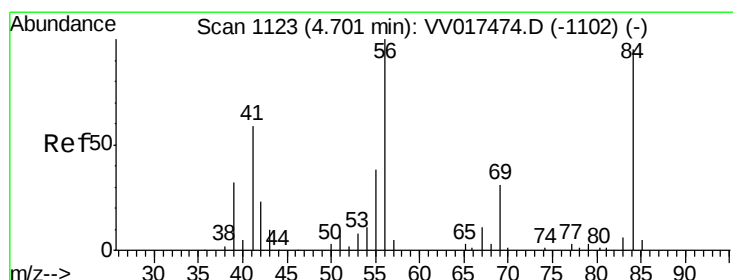
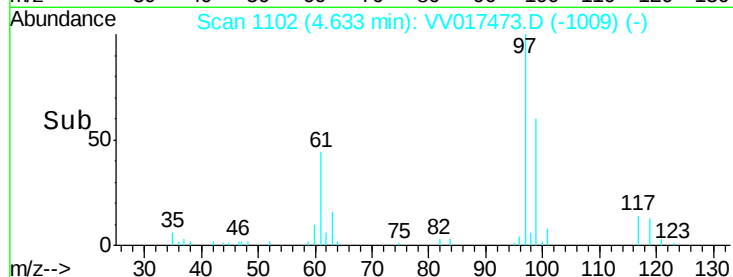
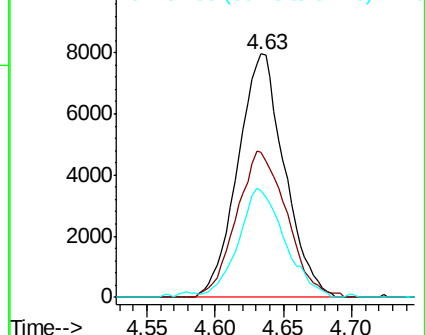
61 44.2 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.937 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

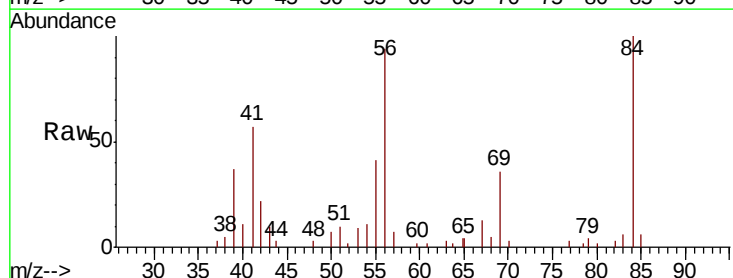
Tgt Ion: 56 Resp: 14373

Ion Ratio Lower Upper

56 100

69 34.8 26.0 39.0

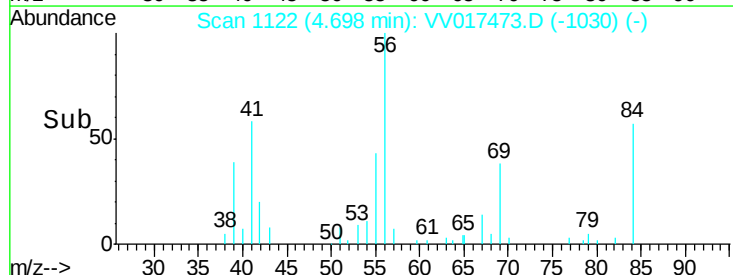
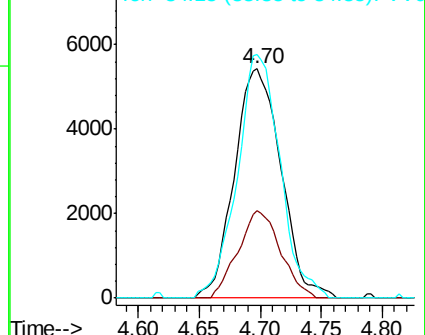
84 97.5 77.9 116.9

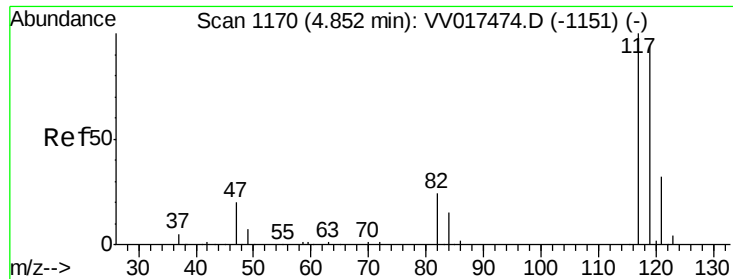


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

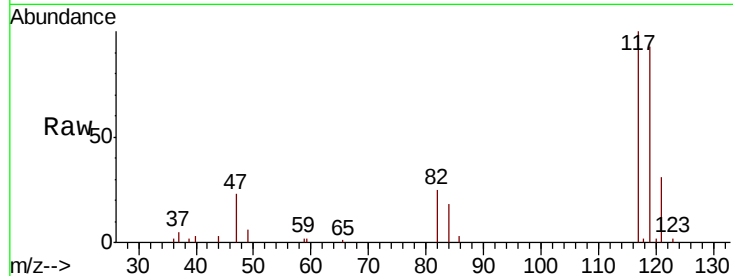




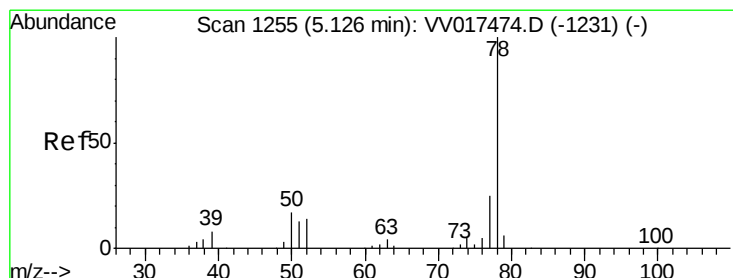
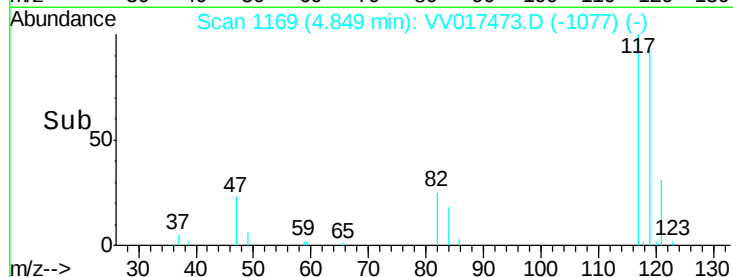
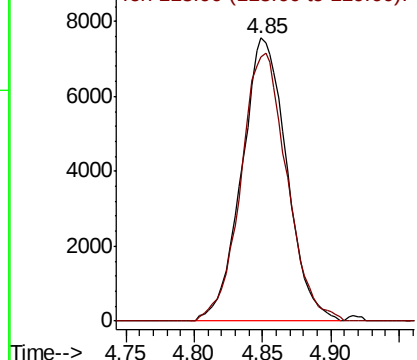
#31
Carbon tetrachloride
Concen: 1.130 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

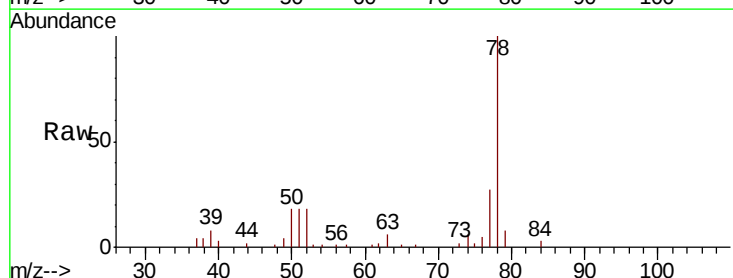
Tot Ion:117 Resp: 17319
Ion Ratio Lower Upper
117 100
119 96.9 77.6 116.4



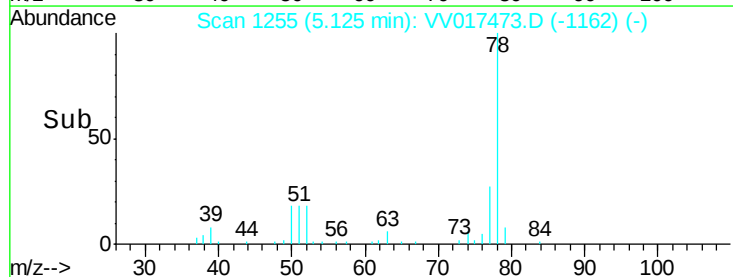
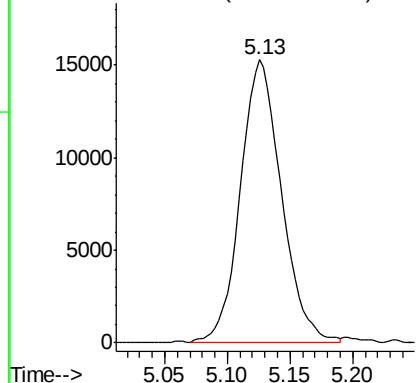
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

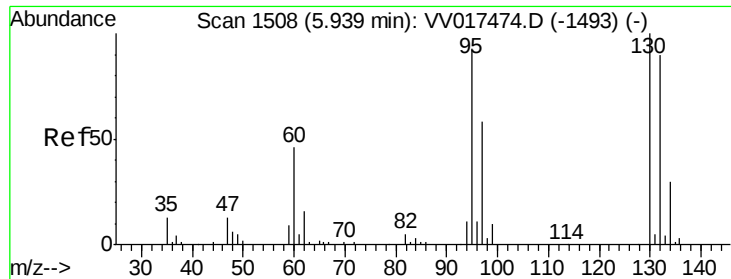


#33
Benzene
Concen: 0.972 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54
Tgt Ion: 78 Resp: 34724



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.049 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

Tot Ion: 95 Resp: 11048

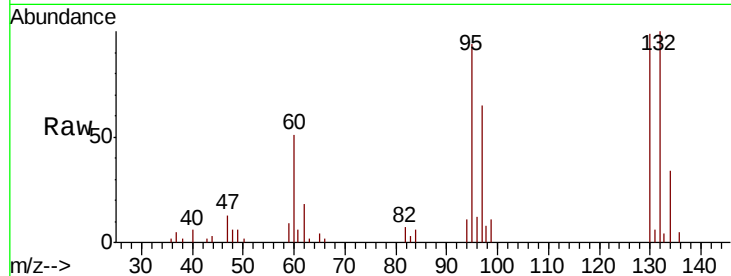
Ion Ratio Lower Upper

95 100

97 68.8 43.9 81.5

132 106.2 67.9 126.1

130 105.6 75.2 139.6

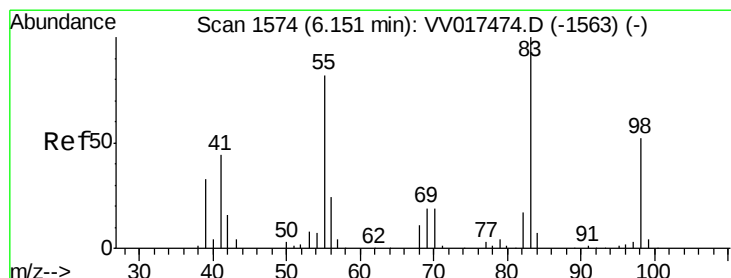
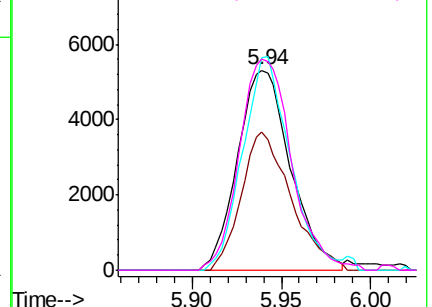
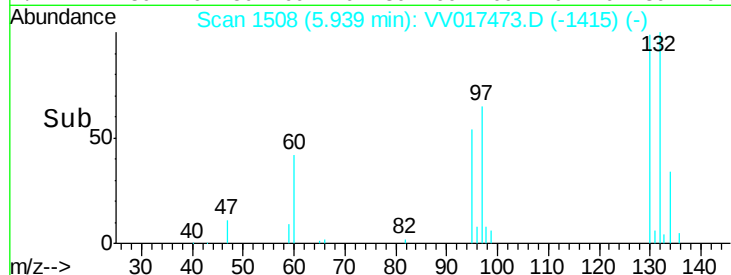


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.969 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

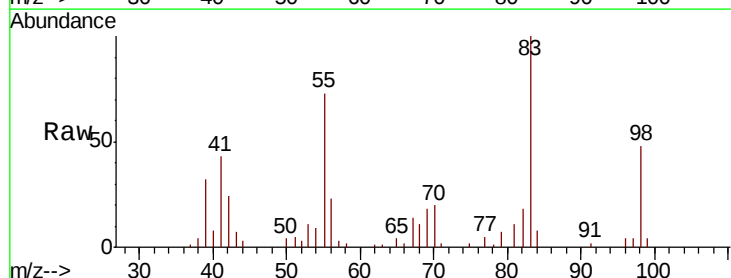
Tgt Ion: 83 Resp: 15680

Ion Ratio Lower Upper

83 100

55 76.4 62.0 93.0

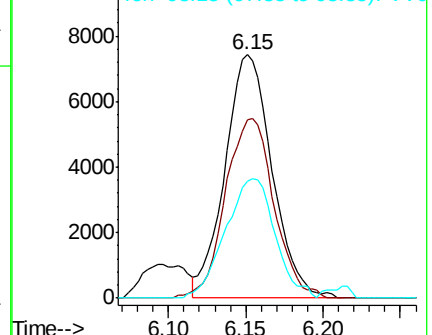
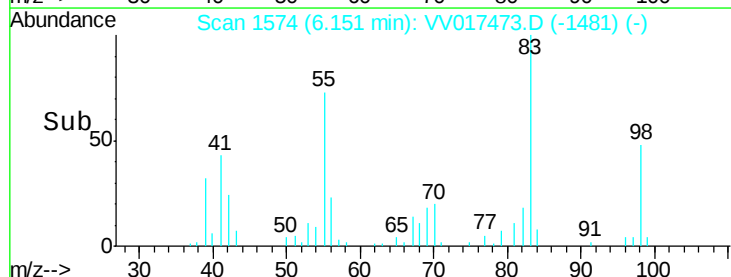
98 51.9 41.4 62.2

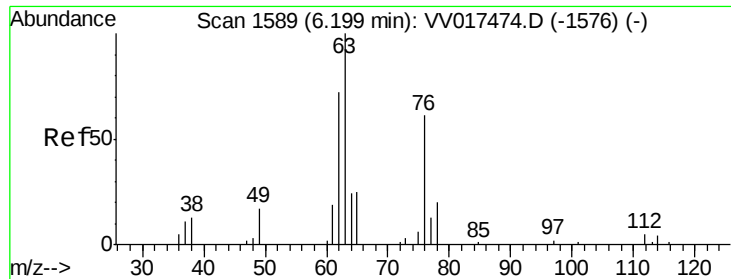


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

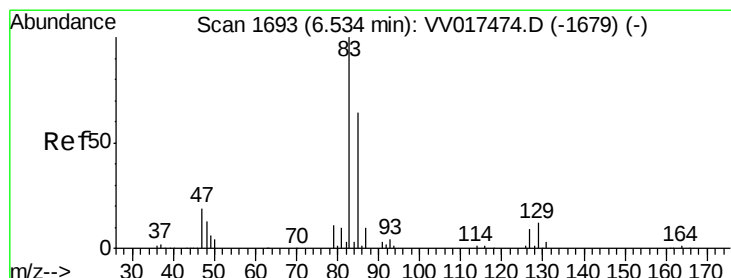
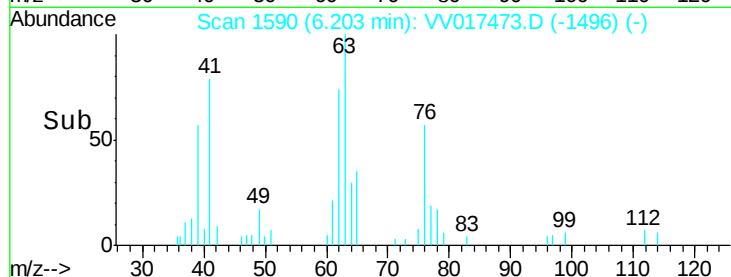
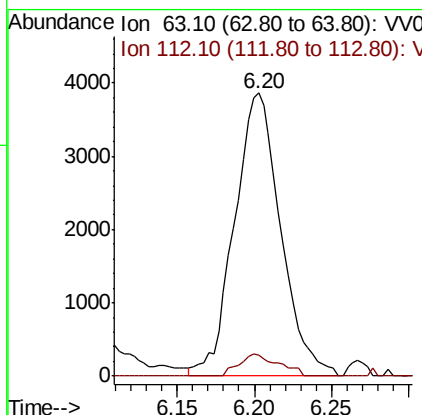
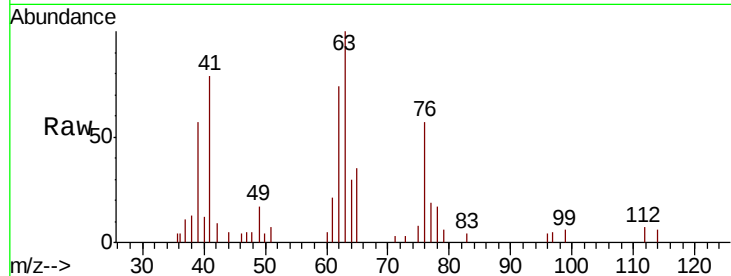




#37
 1,2-Dichloropropane
 Concen: 0.930 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

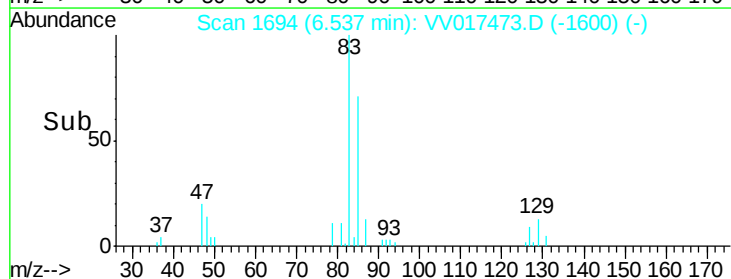
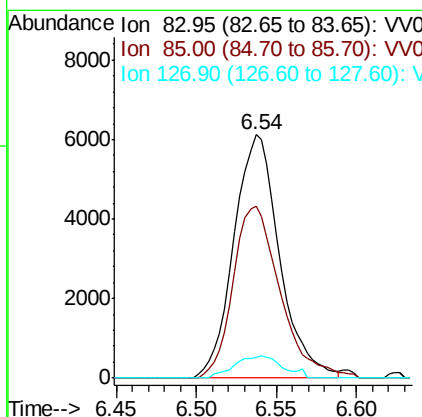
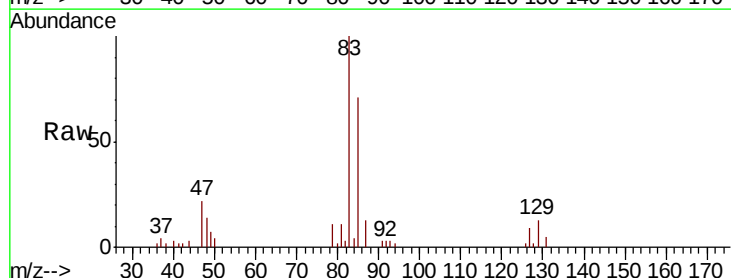
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

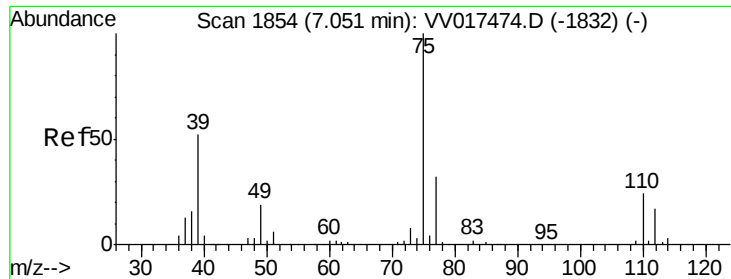
Tot Ion: 63 Resp: 8030
 Ion Ratio Lower Upper
 63 100
 112 6.6 4.4 6.6#



#38
 Bromodichloromethane
 Concen: 0.976 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Tgt Ion: 83 Resp: 11944
 Ion Ratio Lower Upper
 83 100
 85 70.6 45.0 83.6
 127 8.7 7.5 11.3

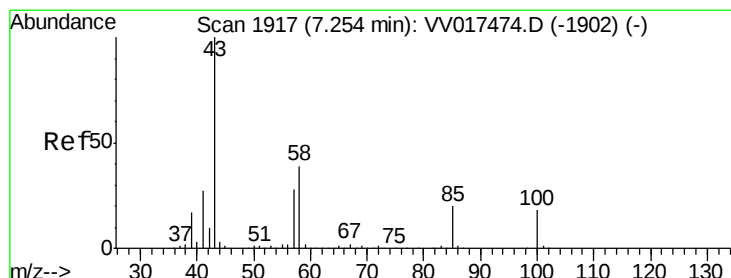
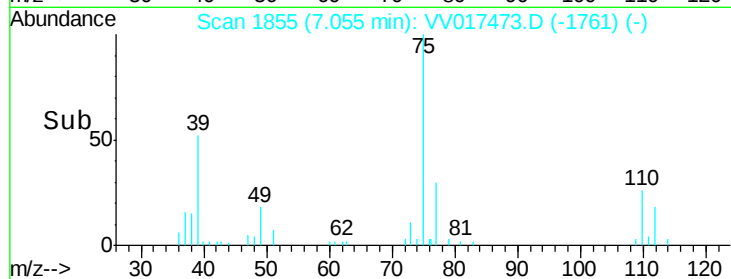
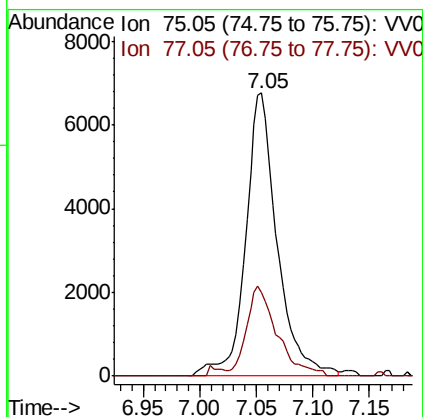
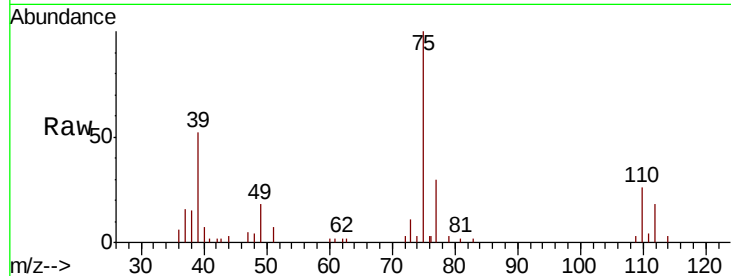




#39
 cis-1,3-Dichloropropene
 Concen: 0.996 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

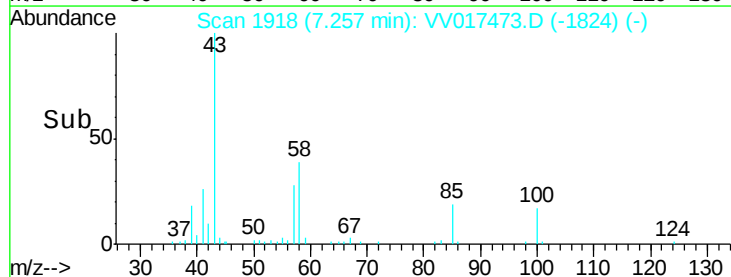
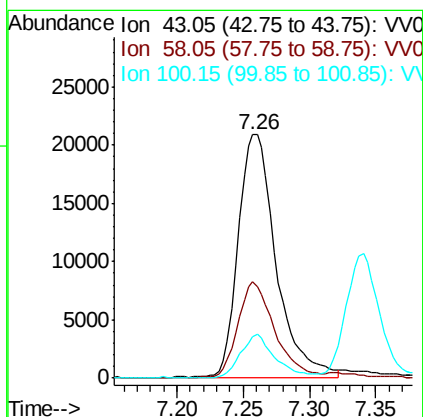
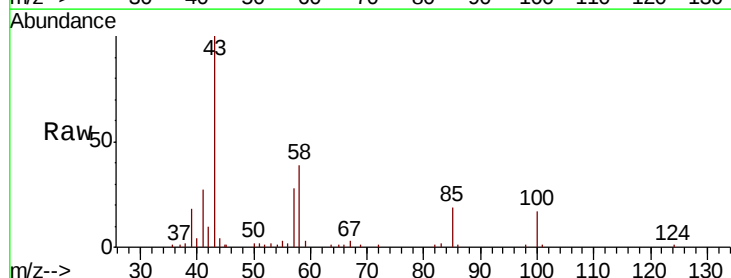
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

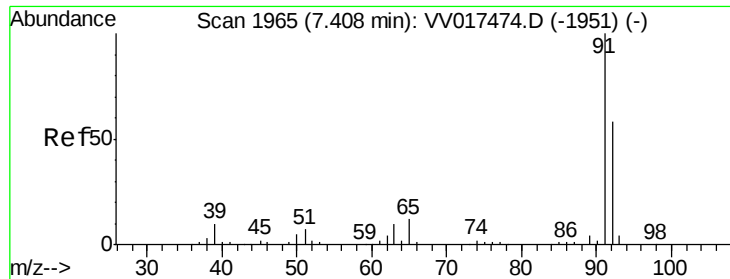
Tot Ion: 75 Resp: 13095
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 8.391 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Tgt Ion: 43 Resp: 41837
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.0 46.4
 100 16.4 14.4 21.6





#42

Toluene

Concen: 0.909 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

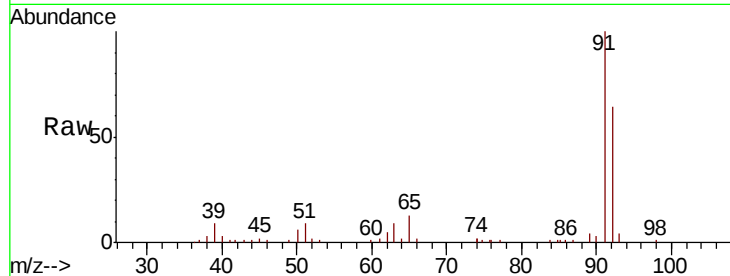
VSTD00136

Tot Ion: 91 Resp: 37701

Ion Ratio Lower Upper

91 100

92 63.7 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV017473.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV017473.D (-1872) (-)

7.41

25000

20000

15000

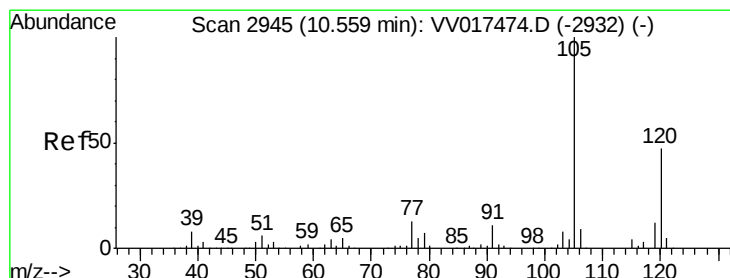
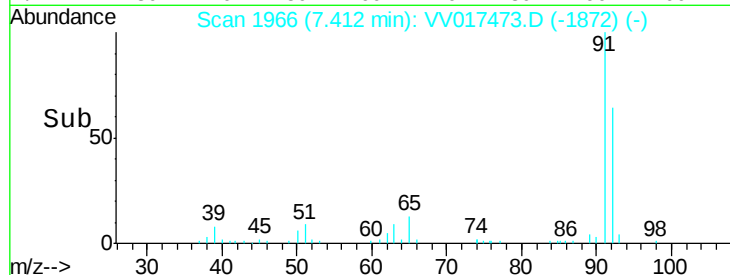
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 0.946 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017473.D

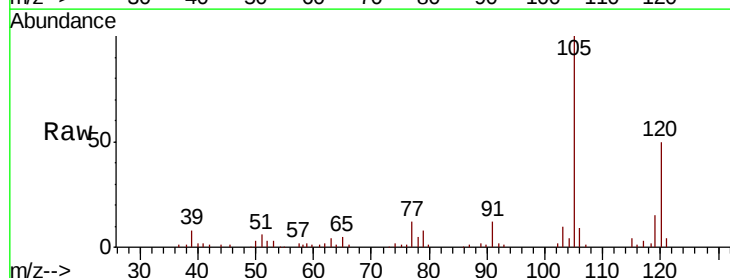
Acq: 14 Jul 2020 09:54

Tgt Ion: 105 Resp: 35479

Ion Ratio Lower Upper

105 100

120 49.9 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): VV017473.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV017473.D (-2323) (-)

10.56

25000

20000

15000

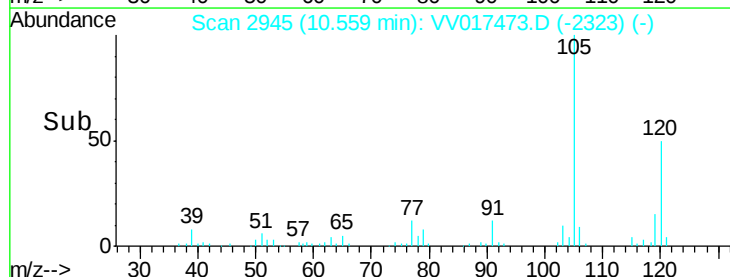
10000

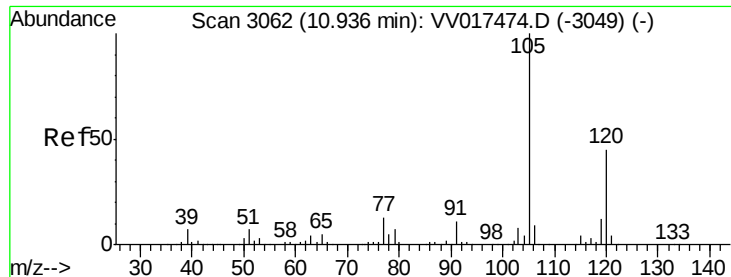
5000

0

Time-->

10.50 10.55 10.60 10.65

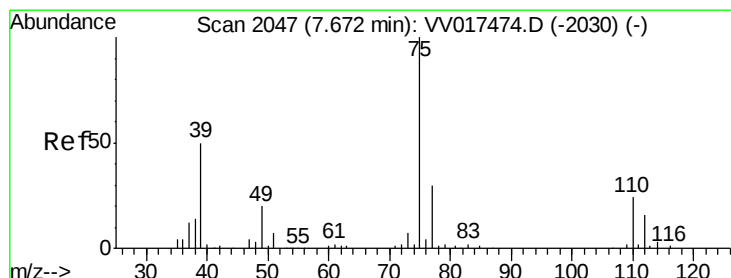
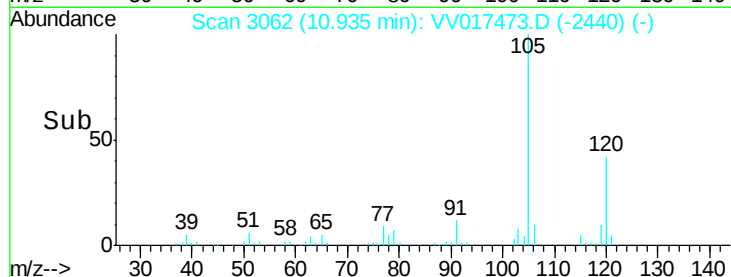
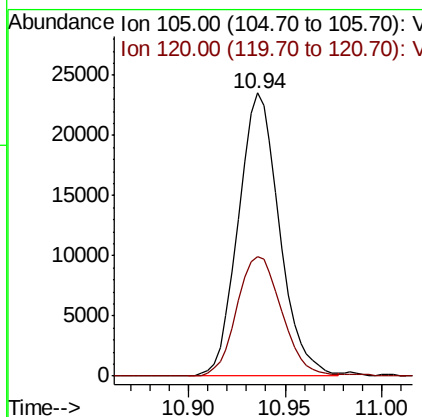
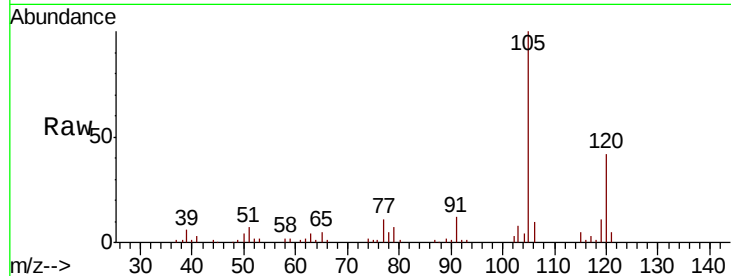




#44
1,2,4-Trimethylbenzene
Concen: 0.917 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

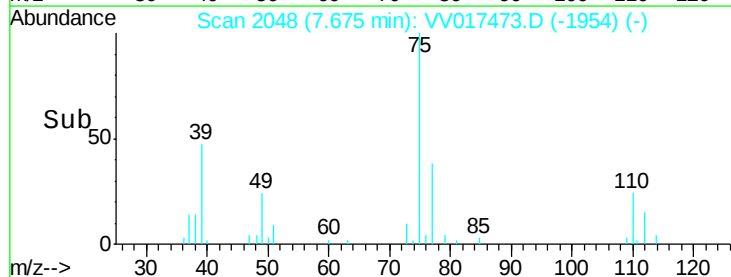
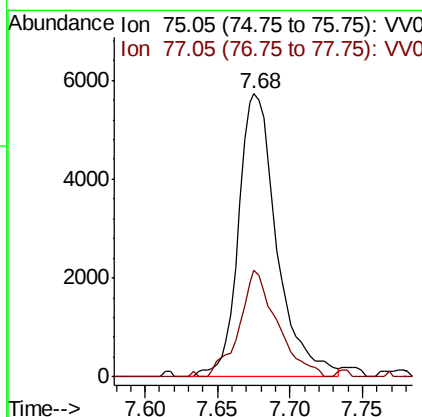
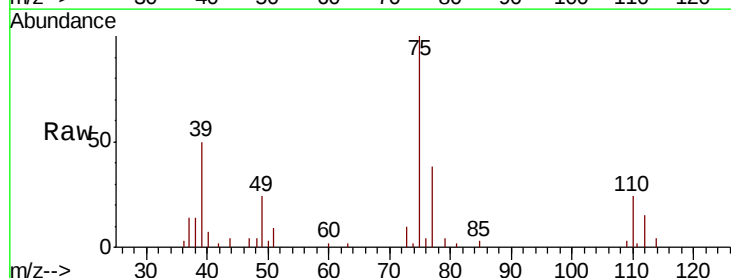
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

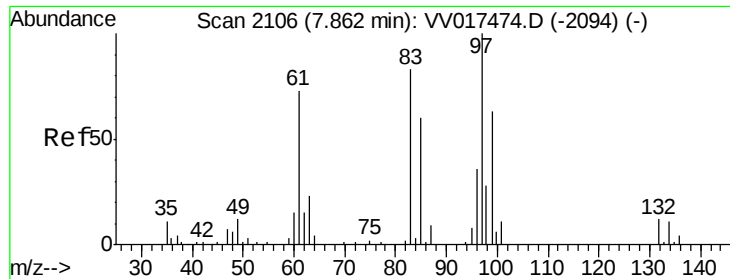
Tot Ion:105 Resp: 34907
Ion Ratio Lower Upper
105 100
120 46.0 35.6 53.4



#46
trans-1,3-Dichloropropene
Concen: 0.915 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion: 75 Resp: 10530
Ion Ratio Lower Upper
75 100
77 37.6 21.2 39.4

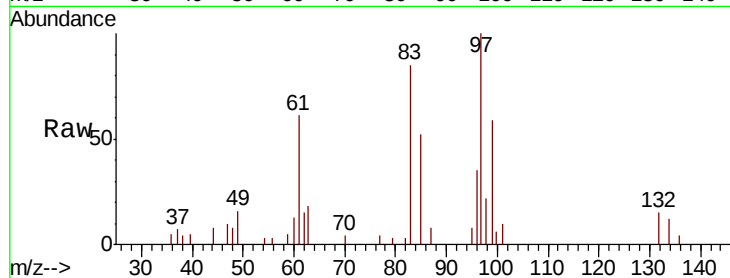




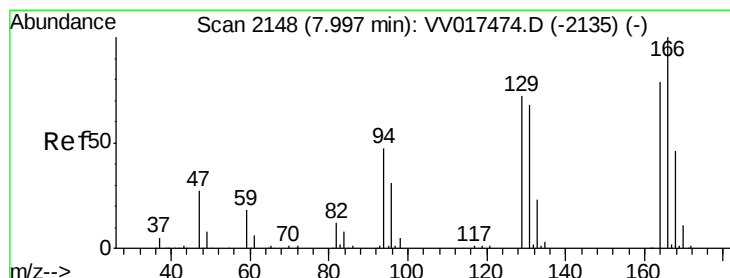
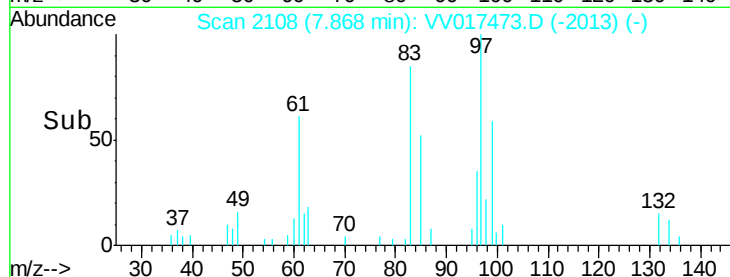
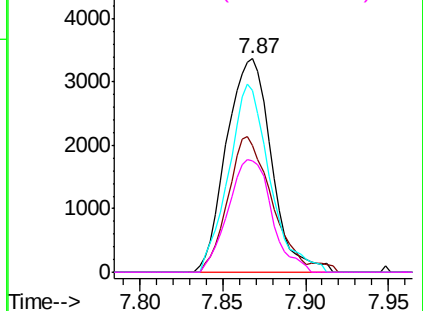
#47
 1,1,2-Trichloroethane
 Concen: 1.021 ug/L
 RT: 7.87 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tot Ion: 97 Resp: 6357
 Ion Ratio Lower Upper
 97 100
 99 59.3 44.0 81.6
 83 85.0 57.7 107.3
 85 52.1 41.9 77.9

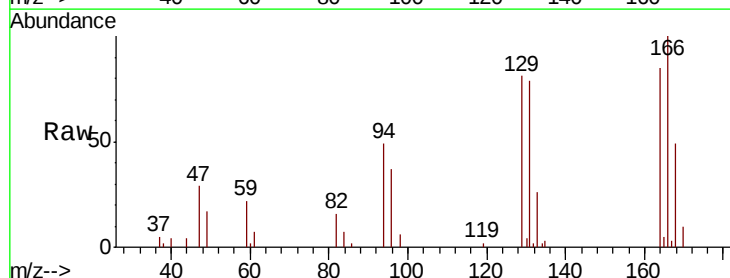


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

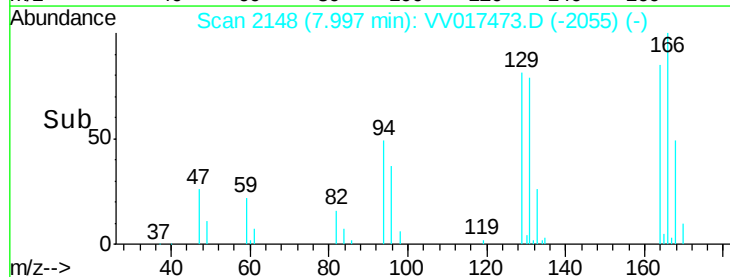
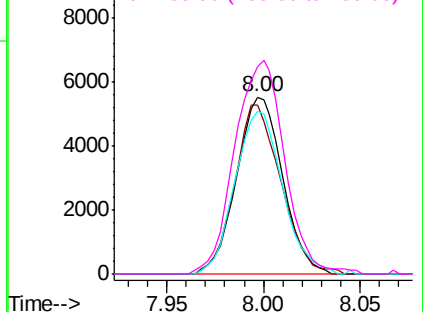


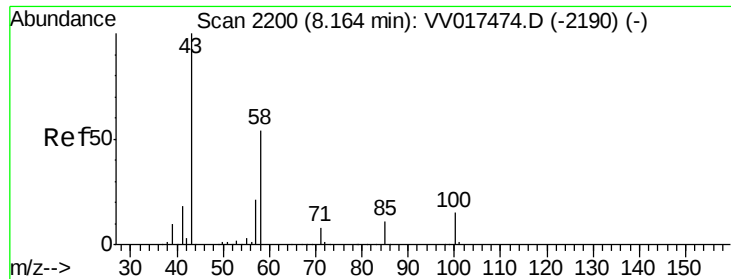
#49
 Tetrachloroethene
 Concen: 1.059 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Tgt Ion: 164 Resp: 9120
 Ion Ratio Lower Upper
 164 100
 129 95.7 64.1 119.1
 131 92.3 60.6 112.6
 166 117.5 88.8 164.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

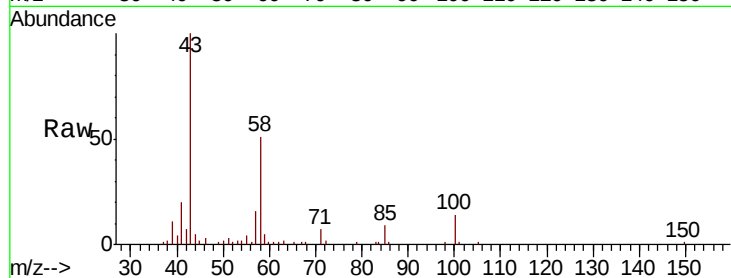




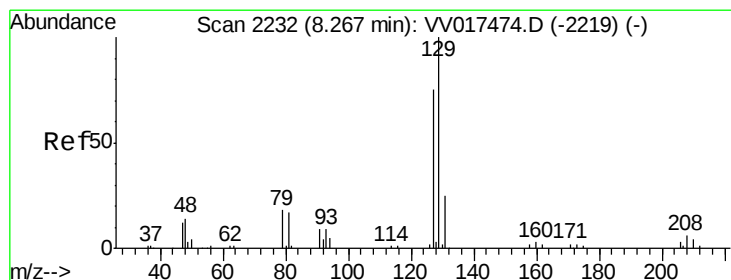
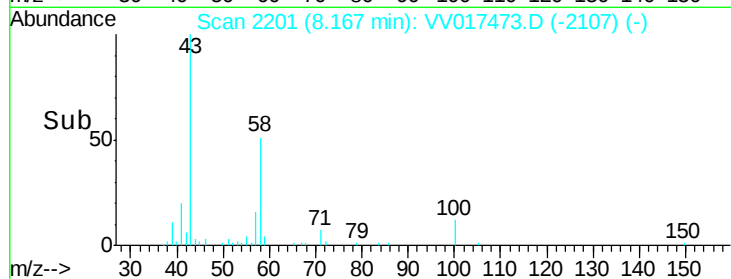
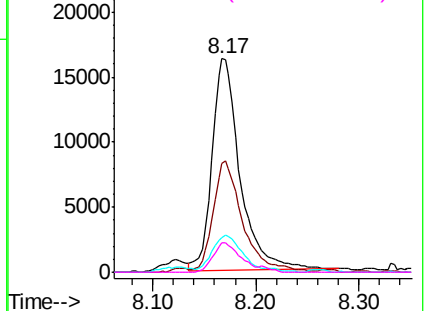
#50
2-Hexanone
Concen: 8.681 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tot Ion: 43 Resp: 30786
Ion Ratio Lower Upper
43 100
58 53.9 43.0 64.4
57 19.8 16.8 25.2
100 13.6 11.8 17.6

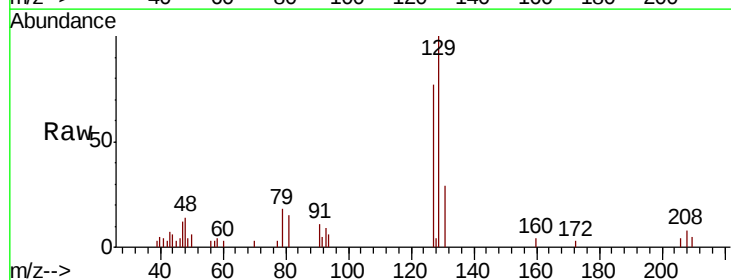


Abundance Ion 43.05 (42.75 to 43.75): VV017473.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV017473.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV017473.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV017473.D (-2107) (-)

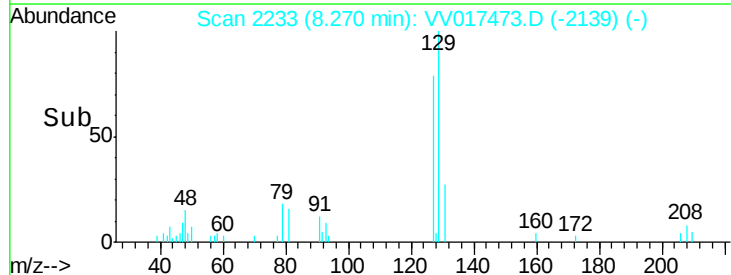
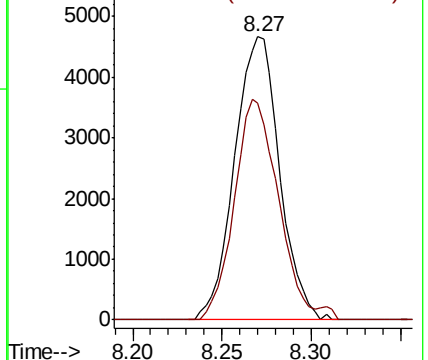


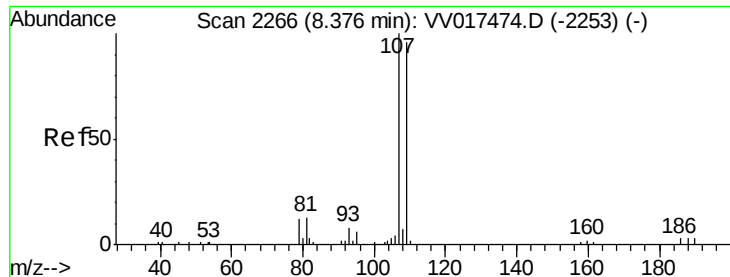
#51
Dibromochloromethane
Concen: 1.052 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion: 129 Resp: 8189
Ion Ratio Lower Upper
129 100
127 76.6 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): VV017473.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017473.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 1.071 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

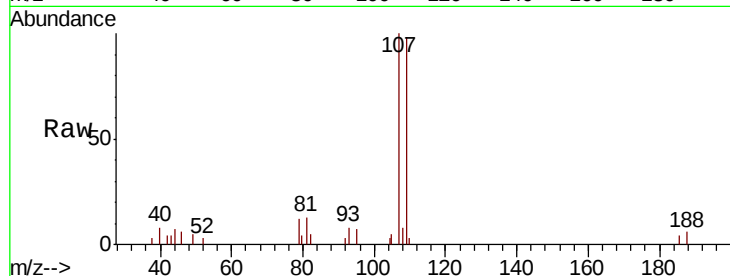
Tot Ion:107 Resp: 6372

Ion Ratio Lower Upper

107 100

109 97.6 67.0 124.4

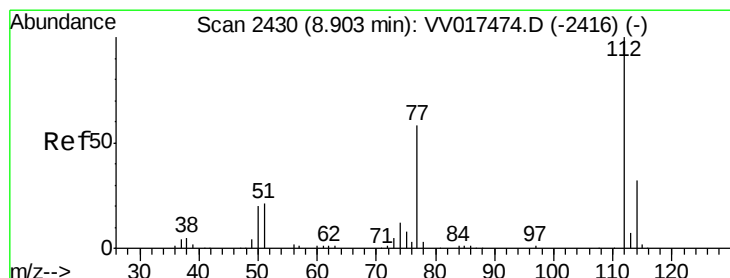
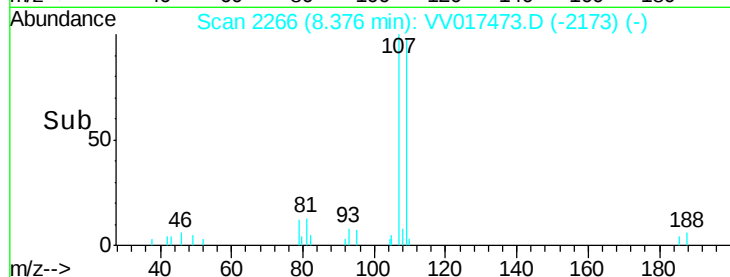
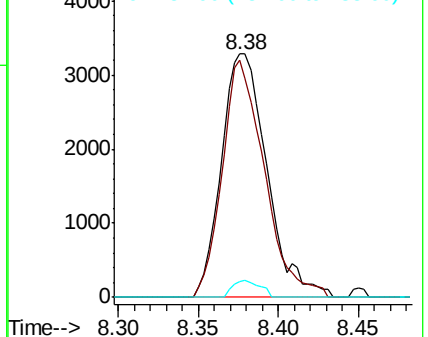
188 6.4 2.7 4.1#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 1.002 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

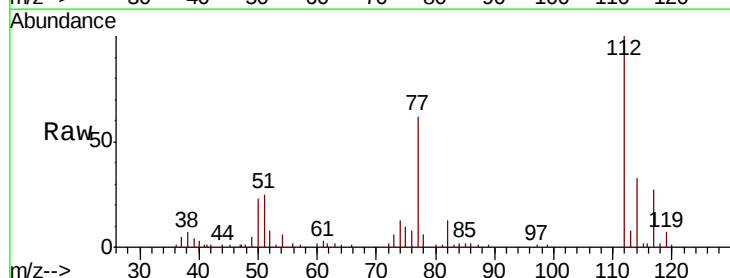
Tgt Ion:112 Resp: 26082

Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

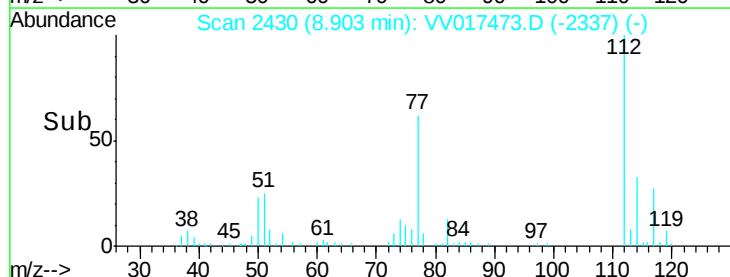
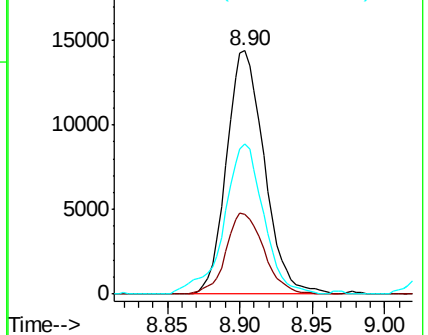
77 61.9 47.0 70.4

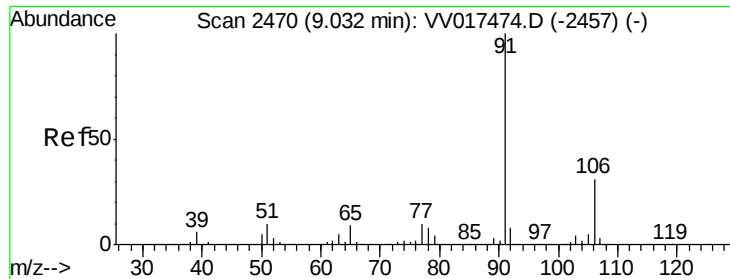


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 0.955 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

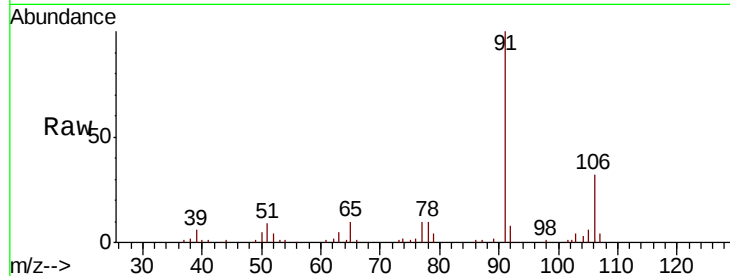
VSTD00136

Tot Ion: 91 Resp: 42430

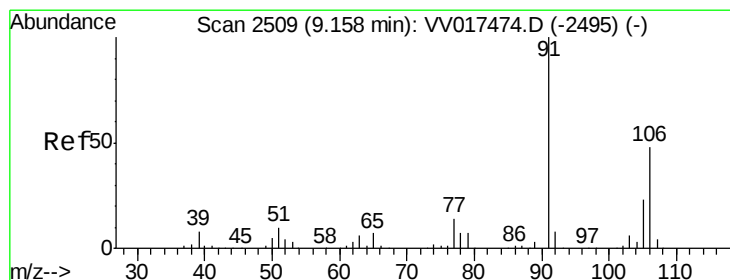
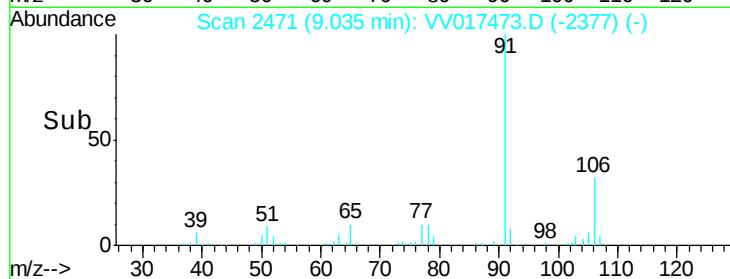
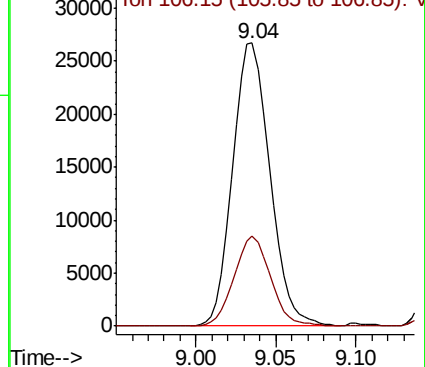
Ion Ratio Lower Upper

91 100

106 31.7 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV017473.D (-2457) (-)



#55

m,p-xylene

Concen: 0.925 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017473.D

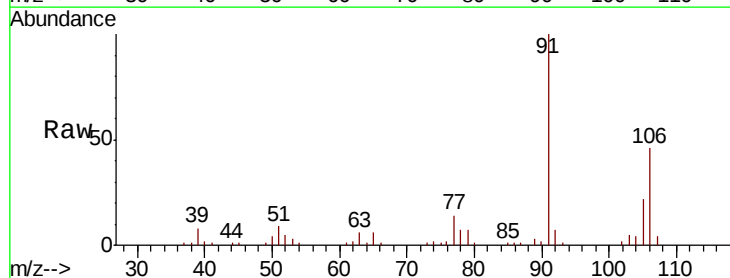
Acq: 14 Jul 2020 09:54

Tgt Ion: 106 Resp: 16109

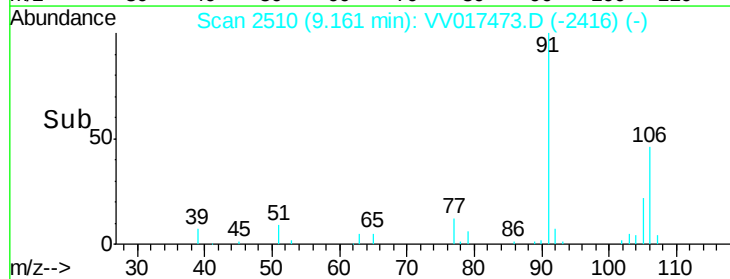
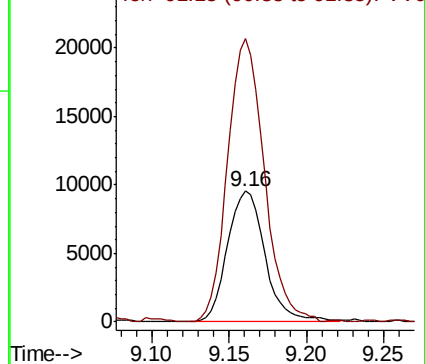
Ion Ratio Lower Upper

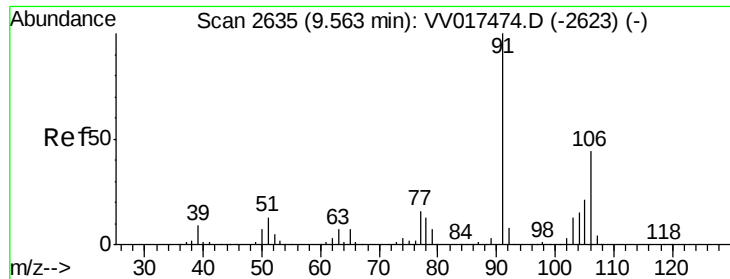
106 100

91 217.0 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): VV017473.D (-2495) (-)

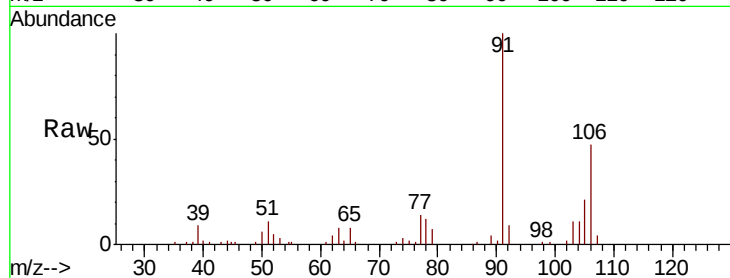




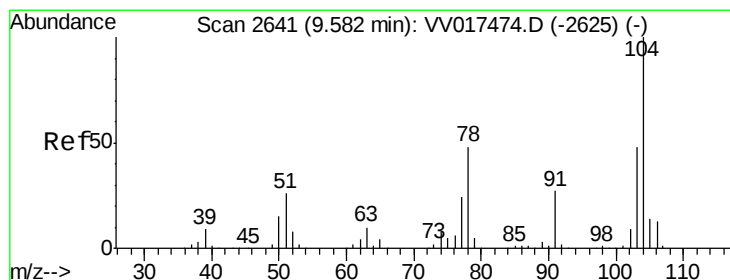
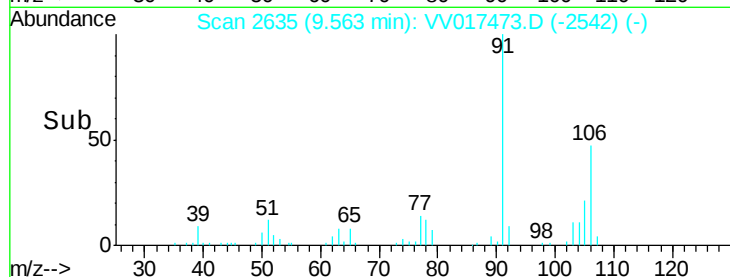
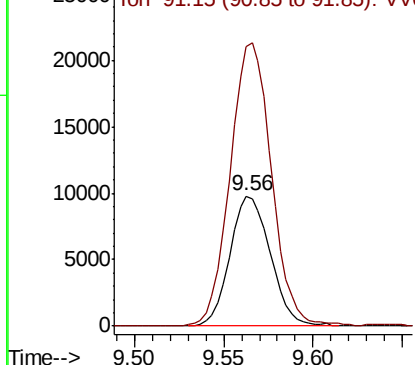
#56
o-xylene
Concen: 0.947 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tot Ion:106 Resp: 15363
Ion Ratio Lower Upper
106 100
91 214.0 158.8 294.8

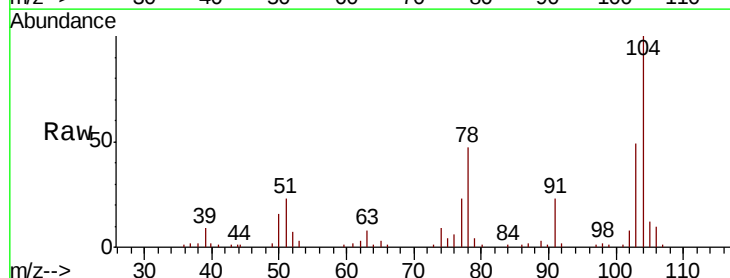


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

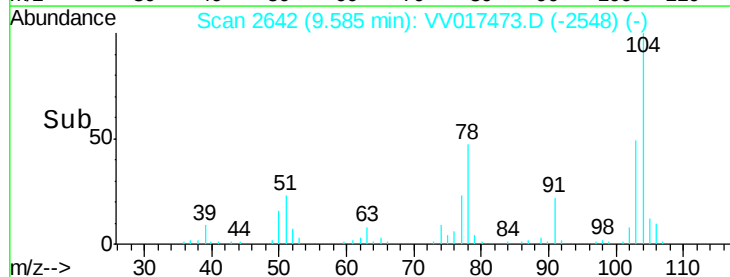
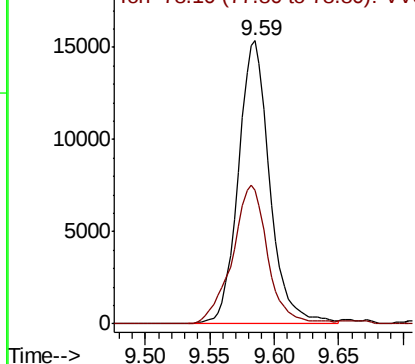


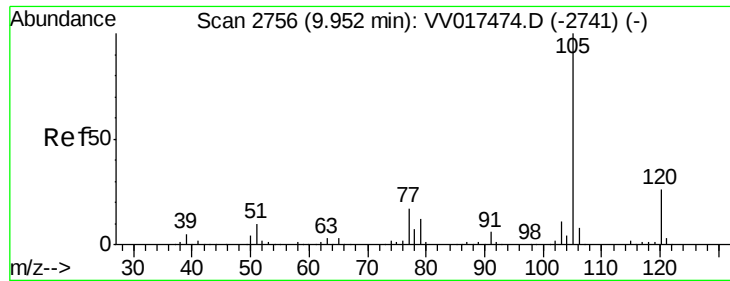
#57
Styrene
Concen: 0.962 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV017473.D
Acq: 14 Jul 2020 09:54

Tgt Ion:104 Resp: 26081
Ion Ratio Lower Upper
104 100
78 47.4 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.970 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

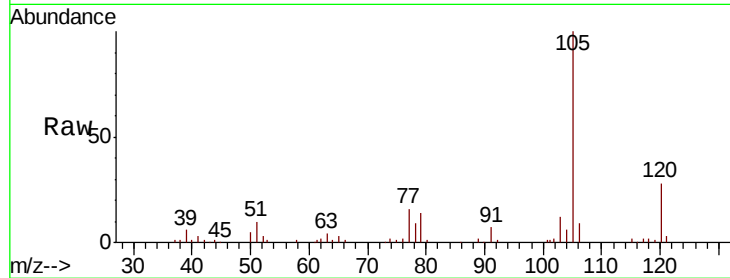
Tot Ion:105 Resp: 43693

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

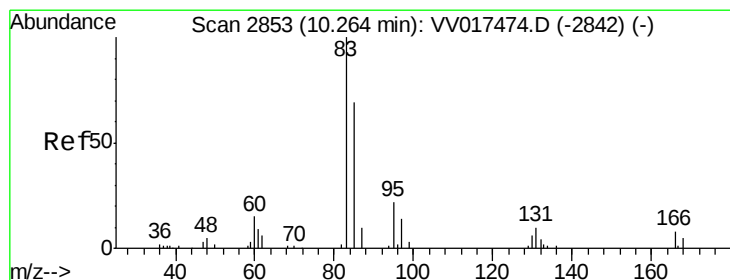
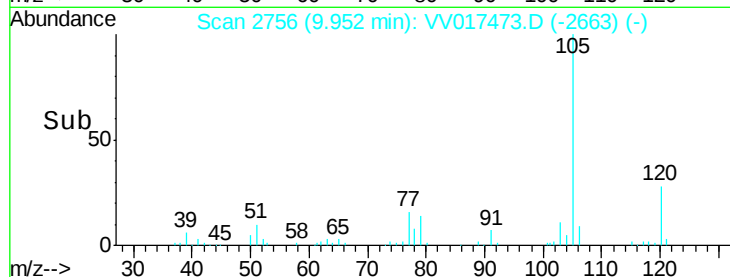
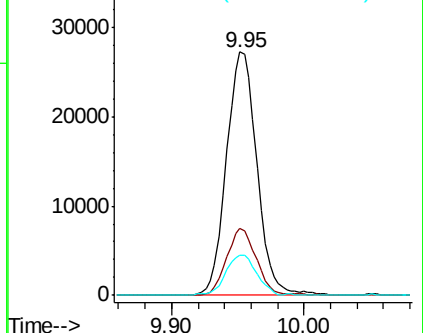
77 16.5 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.924 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

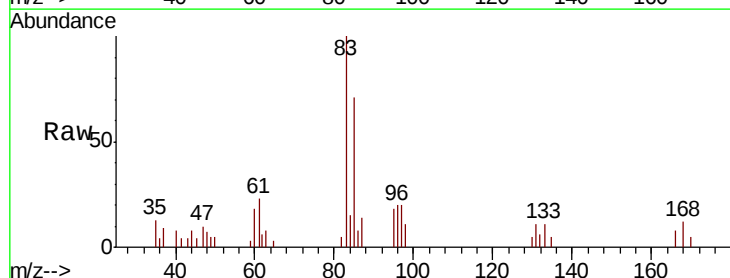
Tgt Ion: 83 Resp: 5925

Ion Ratio Lower Upper

83 100

85 71.0 49.1 91.3

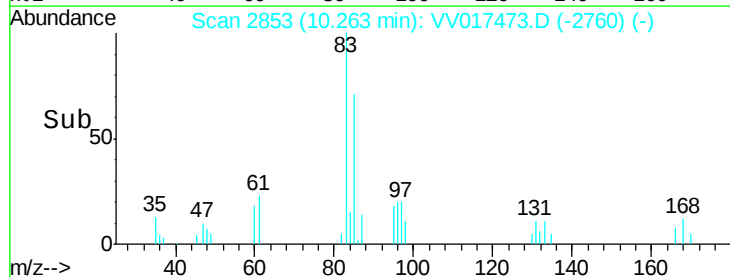
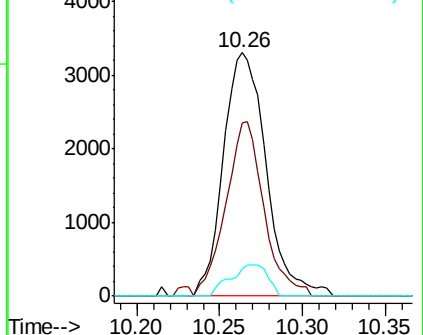
131 11.1 9.8 14.6

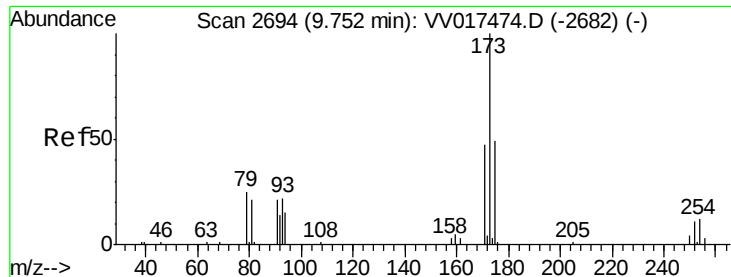


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 1.109 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

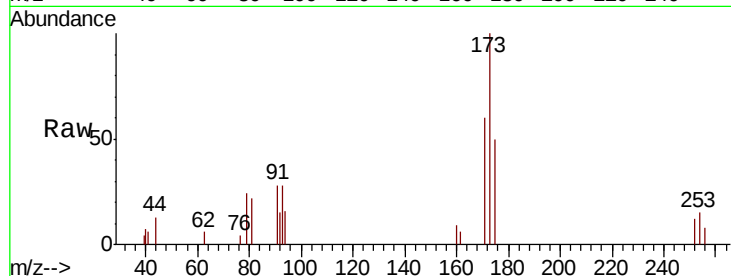
Tot Ion:173 Resp: 4405

Ion Ratio Lower Upper

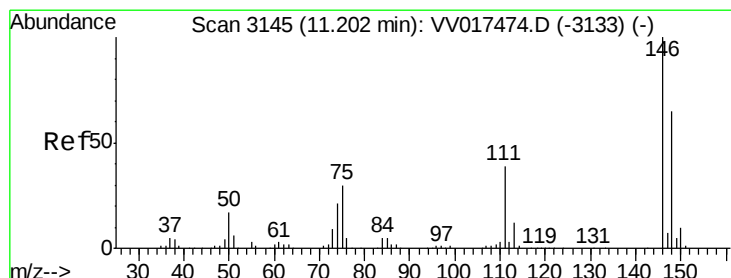
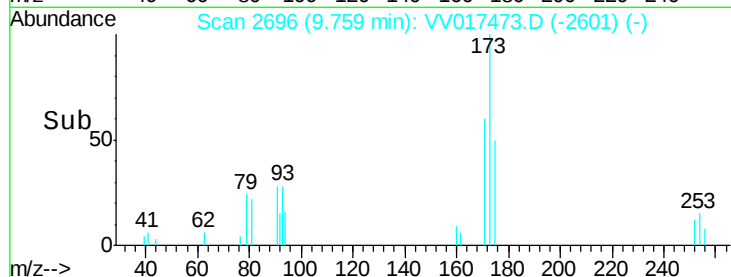
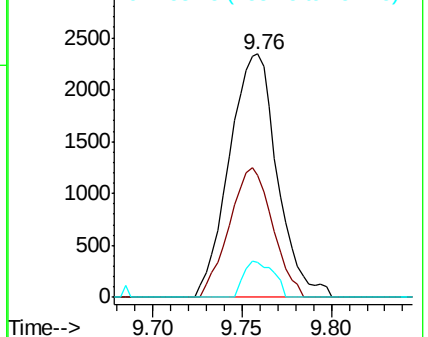
173 100

175 47.9 39.8 59.8

254 9.2 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 1.030 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

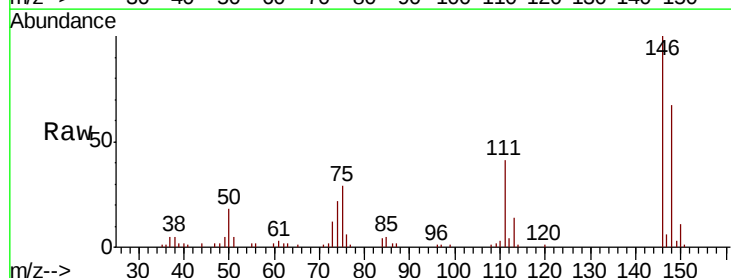
Tgt Ion:146 Resp: 22257

Ion Ratio Lower Upper

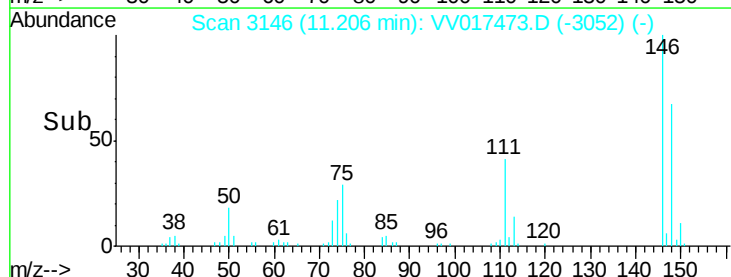
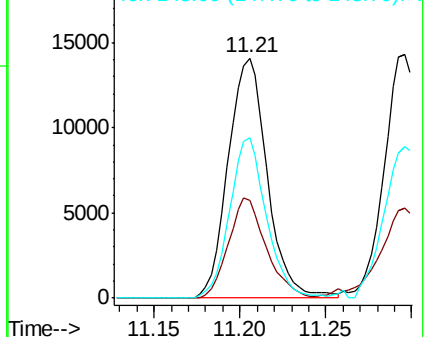
146 100

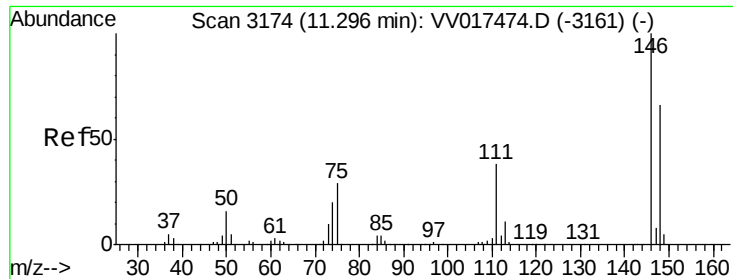
111 40.8 27.2 50.6

148 66.7 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.016 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

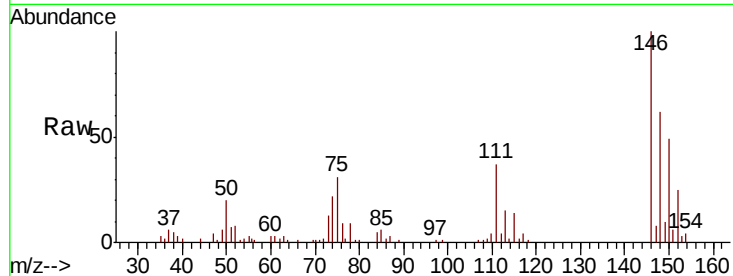
Tot Ion:146 Resp: 22265

Ion Ratio Lower Upper

146 100

111 36.8 26.9 50.1

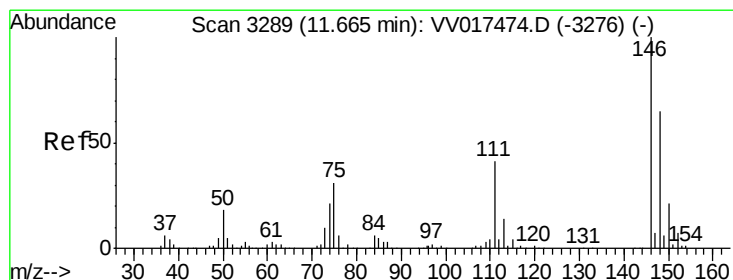
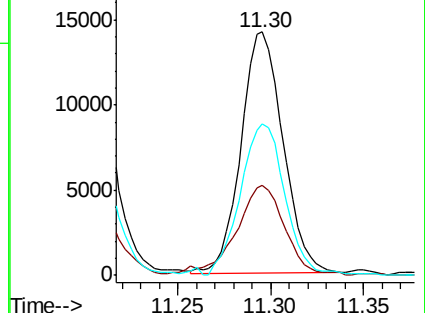
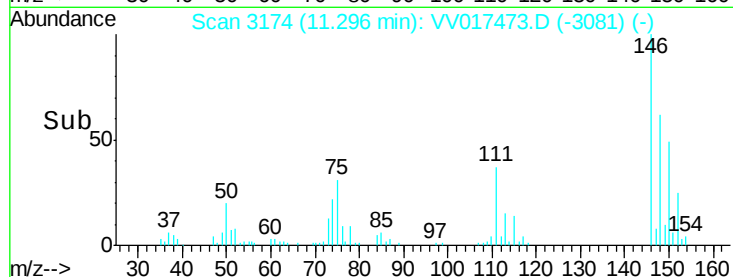
148 62.1 46.1 85.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 1.022 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

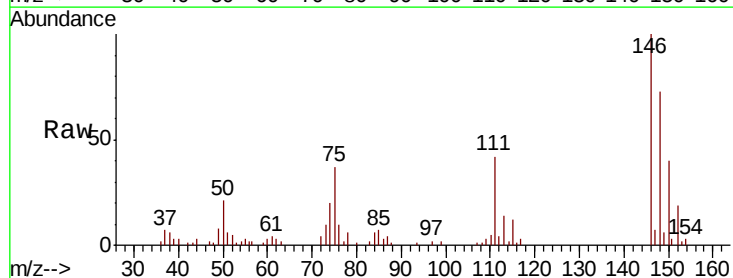
Tgt Ion:146 Resp: 20002

Ion Ratio Lower Upper

146 100

111 41.6 32.7 49.1

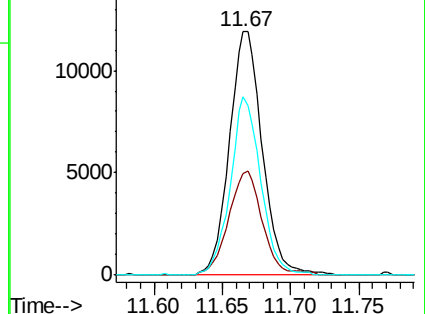
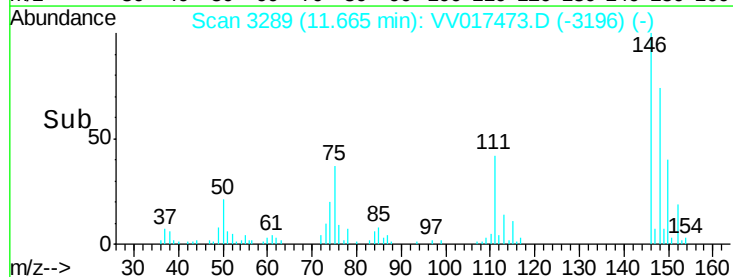
148 73.1 52.3 78.5

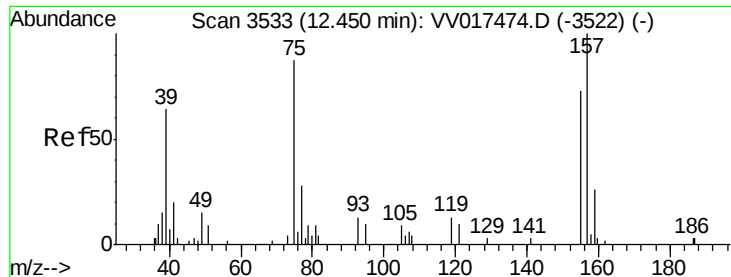


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

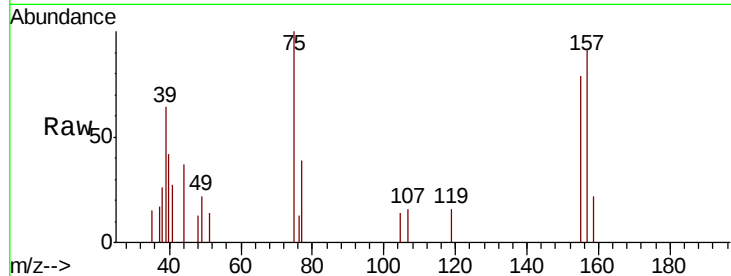




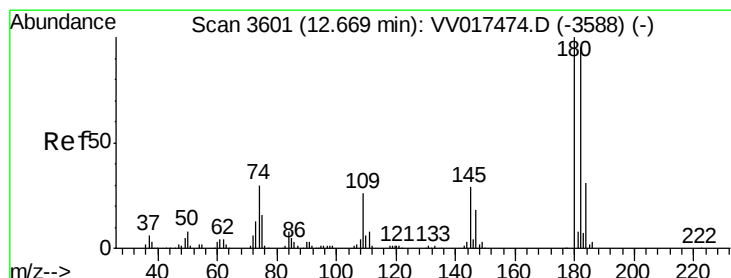
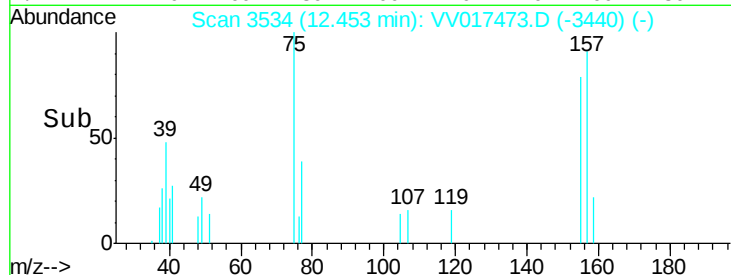
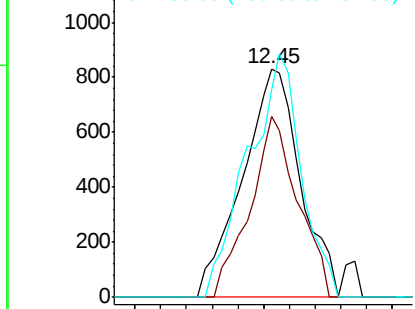
#67
 1,2-Dibromo-3-chloropropane
 Concen: 1.166 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tot Ion: 75 Resp: 1305
 Ion Ratio Lower Upper
 75 100
 155 78.9 67.5 101.3
 157 91.2 92.5 138.7#

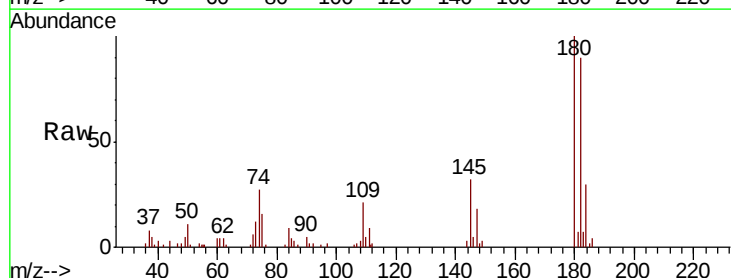


Abundance Ion 75.05 (74.75 to 75.75): VV017473.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV017473.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV017473.D (-3440) (-)

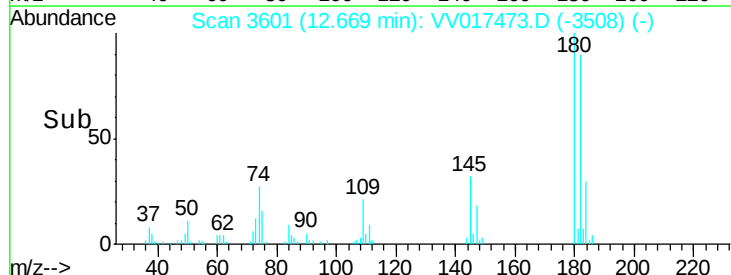
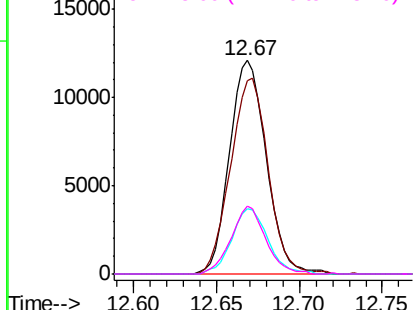


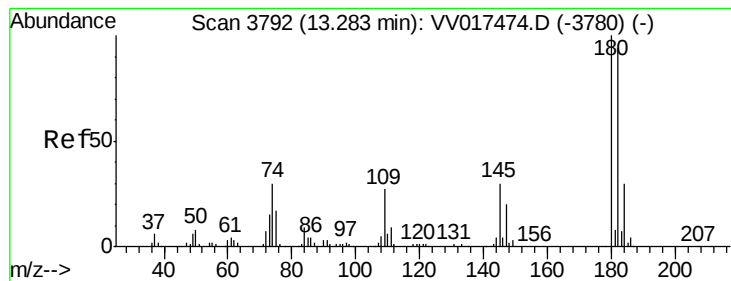
#68
 1,3,5-Trichlorobenzene
 Concen: 1.075 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017473.D
 Acq: 14 Jul 2020 09:54

Tgt Ion: 180 Resp: 18692
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.2 114.4
 184 29.9 24.3 36.5
 145 29.6 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): VV017473.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV017473.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV017473.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV017473.D (-3508) (-)





#69

1,2,4-trichlorobenzene

Concen: 1.022 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

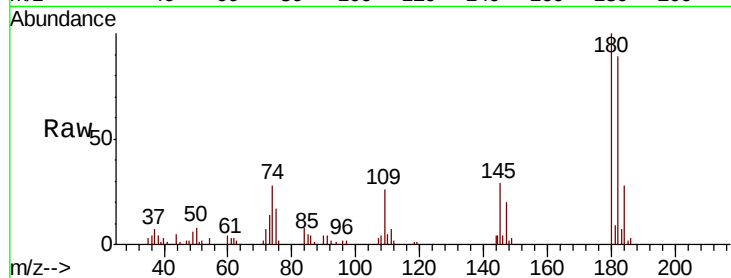
Tot Ion:180 Resp: 14633

Ion Ratio Lower Upper

180 100

182 87.8 75.0 112.6

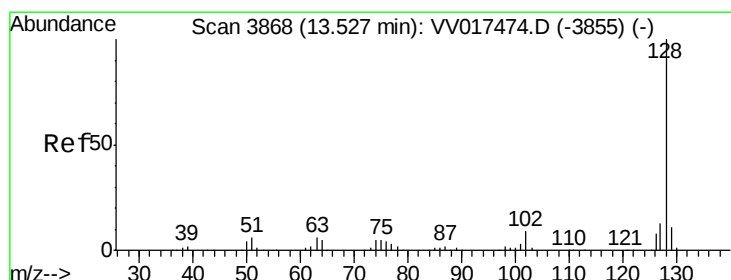
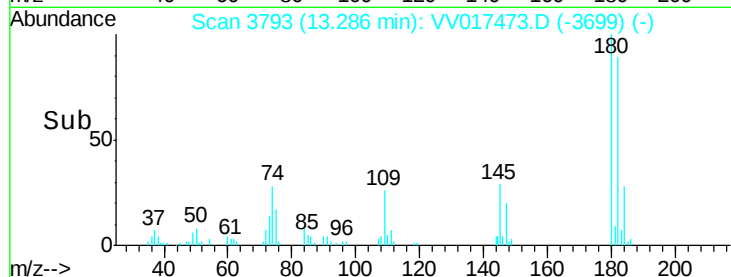
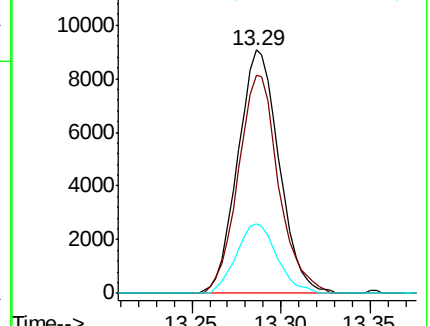
145 28.2 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 0.932 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

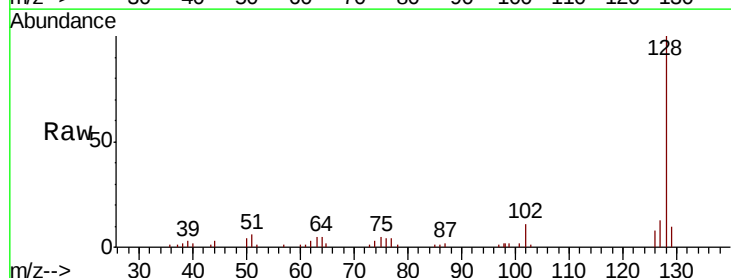
Tgt Ion:128 Resp: 18841

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

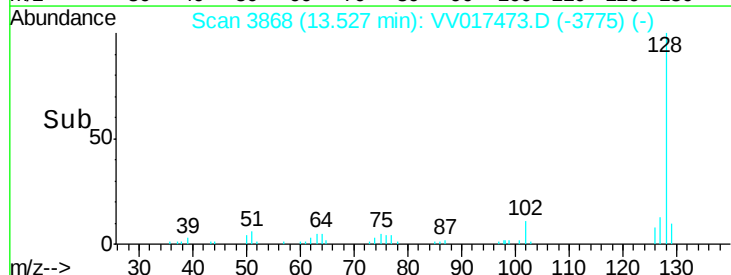
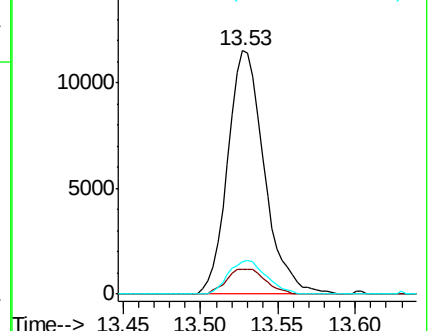
127 14.2 10.6 15.8

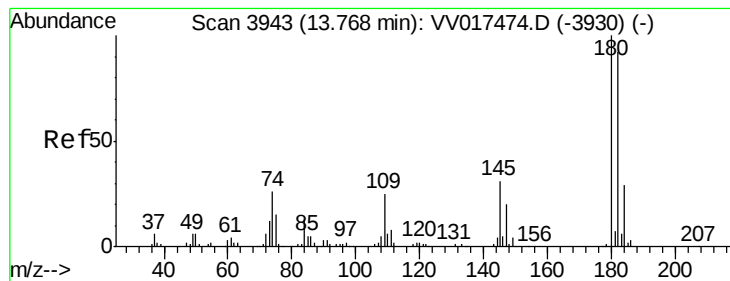


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 1.039 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV017473.D

Acq: 14 Jul 2020 09:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

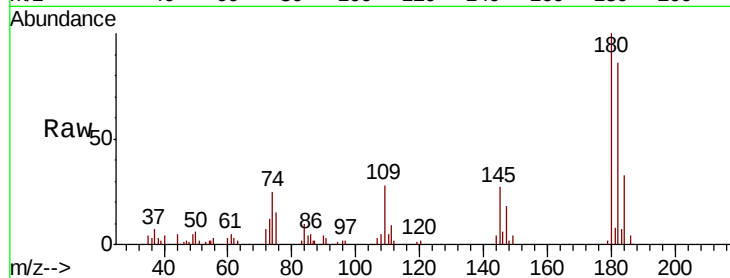
Tot Ion:180 Resp: 12361

Ion Ratio Lower Upper

180 100

182 94.5 74.0 111.0

145 30.2 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

