

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041574.D
 Acq On : 12 Dec 2020 17:51
 Operator : SY/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Quant Time: Dec 13 09:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	141852	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139591	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	75026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10871	0.96	ug/L	0.00
7) Chloroethane-d5	1.92	69	8394	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	20950	1.02	ug/L	0.00
20) 2-Butanone-d5	4.65	46	32911	10.08	ug/L	0.00
24) Chloroform-d	5.08	84	20058	1.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	11620	1.09	ug/L	0.00
32) Benzene-d6	5.74	84	39731	0.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	13109	1.04	ug/L	0.00
41) Toluene-d8	7.91	98	34856	0.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	5074	0.88	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	27180	8.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	10573	0.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	13473	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12408	0.995	ug/L 96
3) Chloromethane	1.53	50	11657	0.944	ug/L 98
5) Vinyl chloride	1.61	62	13268	1.005	ug/L 95
6) Bromomethane	1.87	94	8347	1.003	ug/L 96
8) Chloroethane	1.94	64	15594	1.755	ug/L 100
9) Trichlorofluoromethane	2.15	101	15669	0.896	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	10309	1.017	ug/L 93
12) 1,1-Dichloroethene	2.60	96	9270	0.932	ug/L 90
13) Acetone	2.66	43	19501	9.347	ug/L 96
14) Carbon disulfide	2.81	76	33389	0.961	ug/L 100
15) Methyl Acetate	2.97	43	5544	0.992	ug/L 93
16) Methylene chloride	3.06	84	11879	1.045	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	25144	0.928	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	9760	0.920	ug/L 96
19) 1,1-Dichloroethane	3.89	63	19270	0.999	ug/L 98
21) 2-Butanone	4.73	43	31648	8.970	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	11106	0.968	ug/L 97
23) Bromochloromethane	5.00	128	5233	0.977	ug/L 93
25) Chloroform	5.11	83	18772	0.944	ug/L 92
27) 1,2-Dichloroethane	5.81	62	12794	0.957	ug/L 96
29) 1,1,1-Trichloroethane	5.33	97	15527	0.917	ug/L 97
30) Cyclohexane	5.41	56	16297	0.849	ug/L 99
31) Carbon tetrachloride	5.54	117	13257	0.896	ug/L 97
33) Benzene	5.79	78	42855	0.903	ug/L 100
34) Trichloroethene	6.56	95	11025	0.922	ug/L 96
35) Methylcyclohexane	6.77	83	16045	0.837	ug/L 93
37) 1,2-Dichloropropane	6.80	63	11653	0.990	ug/L # 93
38) Bromodichloromethane	7.11	83	14244	0.952	ug/L 96
39) cis-1,3-Dichloropropene	7.61	75	15526	0.852	ug/L 99
40) 4-Methyl-2-pentanone	7.80	43	69730	7.864	ug/L 98

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 ALS Vial : 4 Sample Multiplier: 1

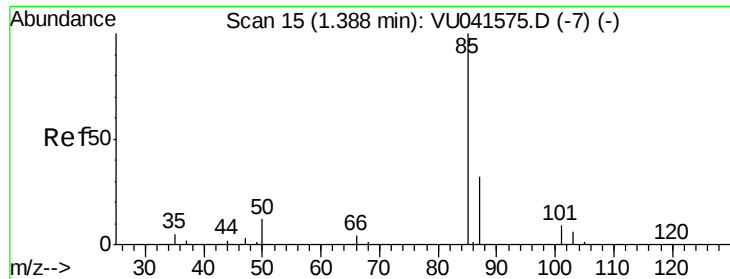
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Quant Time: Dec 13 09:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 09:47:34 2020
 Response via : Initial Calibration

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

42) Toluene	7.98	91	43625	0.871	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	13890	0.849	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	7891	0.838	ug/L	93
47) Tetrachloroethene	8.56	164	7858	0.940	ug/L	95
48) 2-Hexanone	8.69	43	52189	8.032	ug/L	100
49) Dibromochloromethane	8.81	129	9069	0.879	ug/L	97
50) 1,2-Dibromoethane	8.93	107	7791	0.870	ug/L #	95
51) Chlorobenzene	9.45	112	27479	0.898	ug/L	98
52) Ethylbenzene	9.57	91	44637	0.831	ug/L	96
53) m,p-Xylene	9.69	106	16314	0.779	ug/L	87
54) o-Xylene	10.10	106	15570	0.787	ug/L	98
55) Styrene	10.11	104	27604	0.800	ug/L	100
56) Isopropylbenzene	10.48	105	42954	0.830	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	11180	0.909	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	8536	0.945	ug/L	96
61) Bromoform	10.29	173	5066	0.819	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	22429	0.925	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	22578	0.914	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	22419	0.961	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	1913	0.841	ug/L	86
67) 1,3,5-Trichlorobenzene	13.21	180	16632	0.896	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	12744	0.745	ug/L	96
69) Naphthalene	14.07	128	24887	0.734	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	11577	0.726	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.995 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

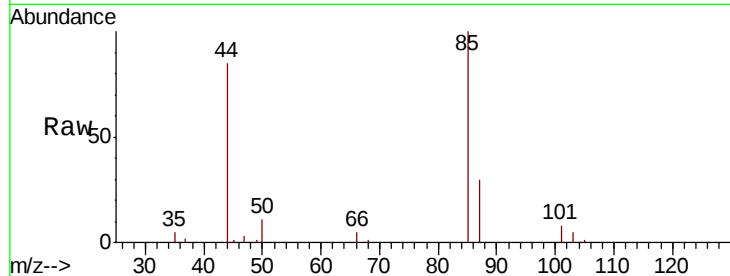
VSTD00102

Tot Ion: 85 Resp: 12408

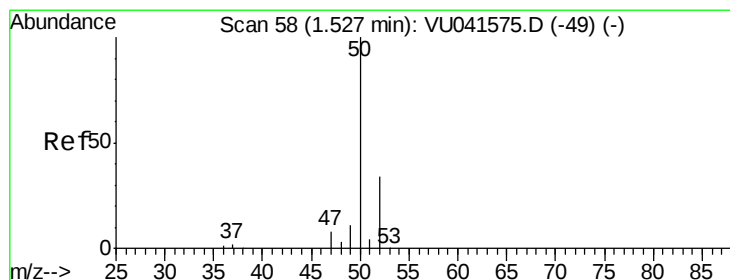
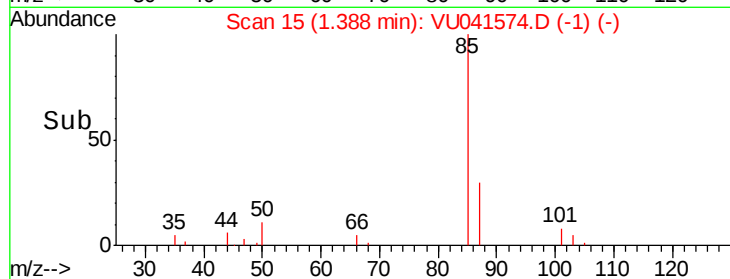
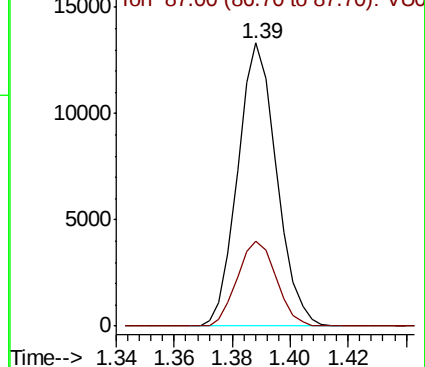
Ion Ratio Lower Upper

85 100

87 30.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041575.D (-7) (-)



#3

Chloromethane

Concen: 0.944 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041574.D

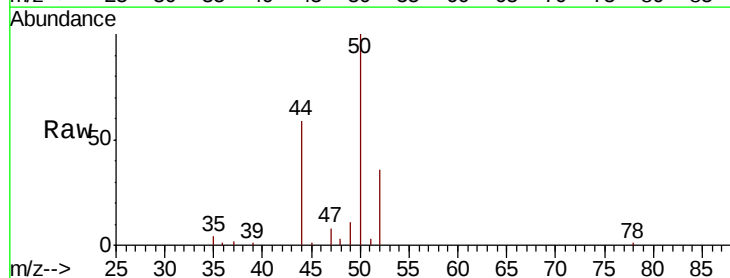
Acq: 12 Dec 2020 17:51

Tgt Ion: 50 Resp: 11657

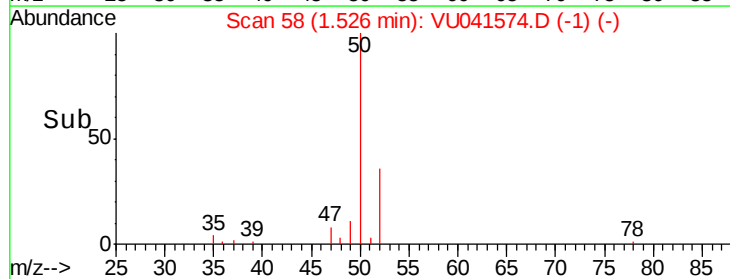
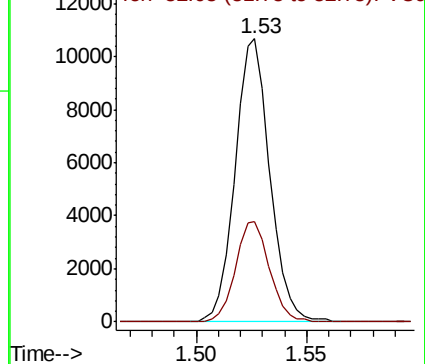
Ion Ratio Lower Upper

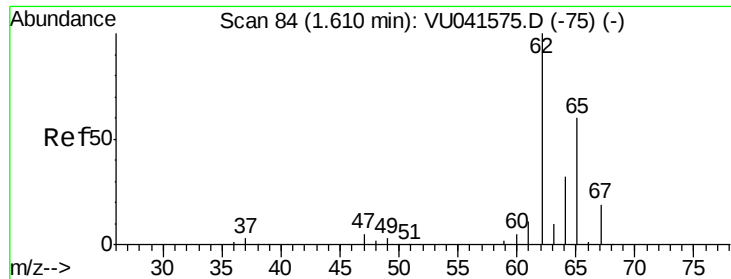
50 100

52 35.6 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041575.D (-49) (-)





#5

Vinyl chloride

Concen: 1.005 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

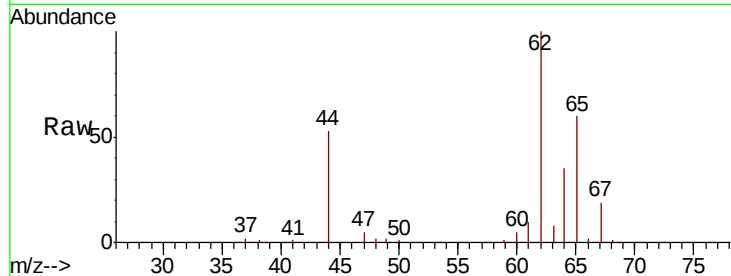
VSTD00102

Tot Ion: 62 Resp: 13268

Ion Ratio Lower Upper

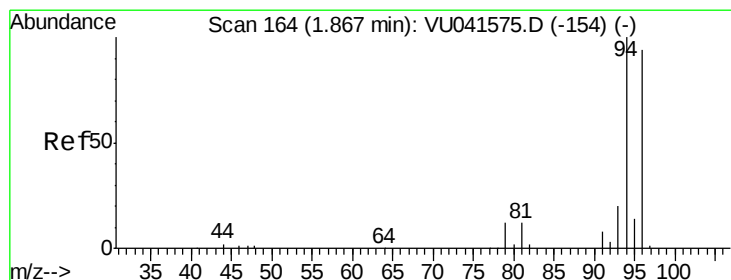
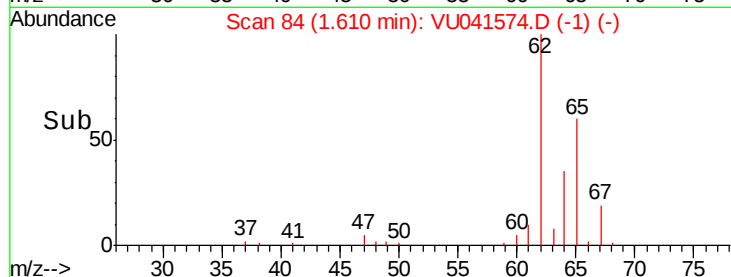
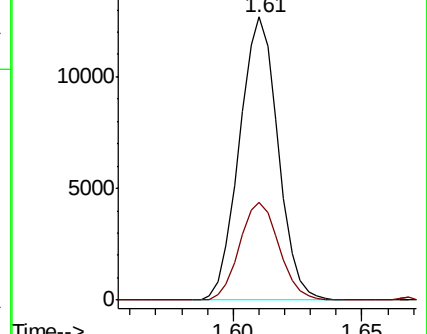
62 100

64 34.8 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.003 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041574.D

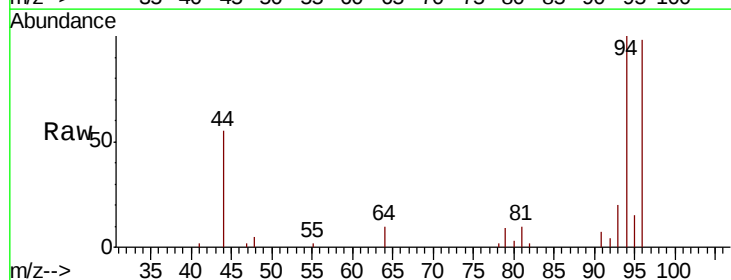
Acq: 12 Dec 2020 17:51

Tgt Ion: 94 Resp: 8347

Ion Ratio Lower Upper

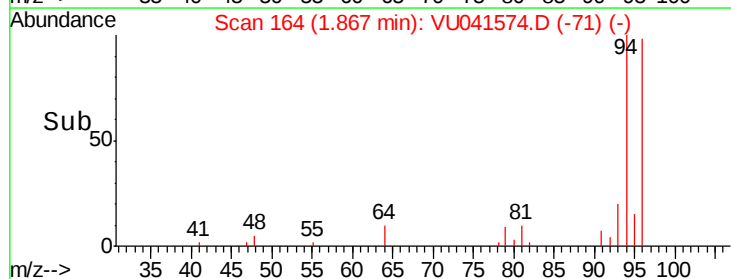
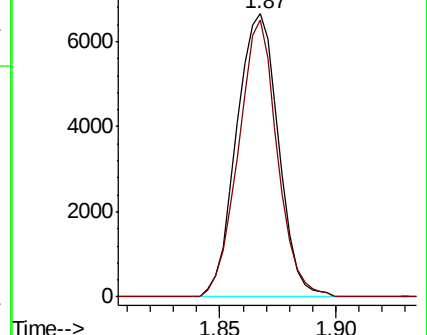
94 100

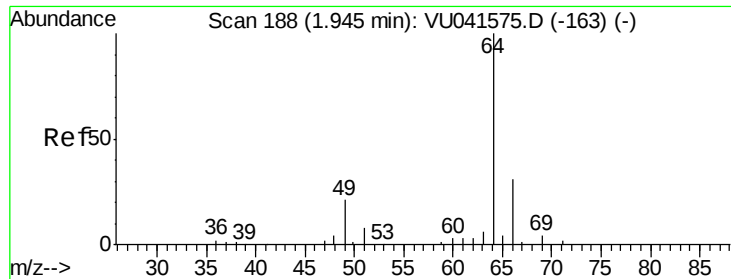
96 98.1 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

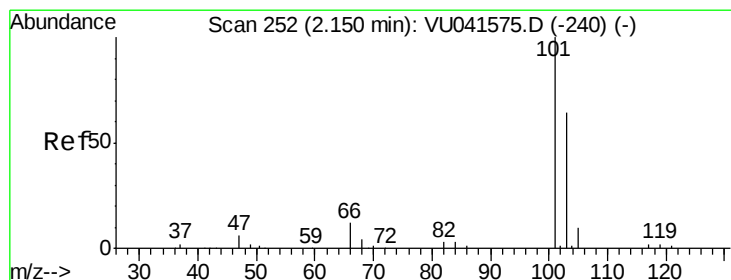
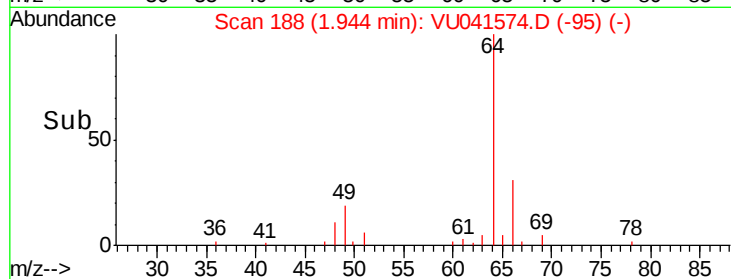
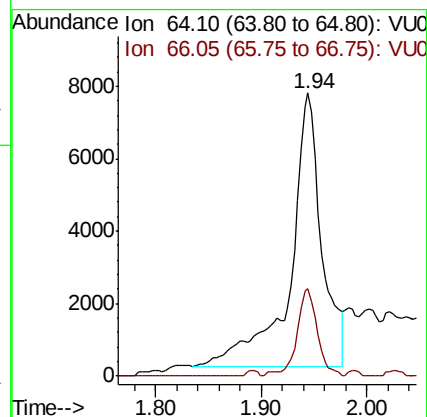
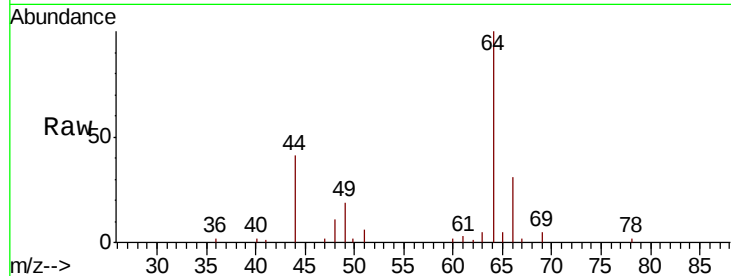




#8
Chloroethane
Concen: 1.755 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

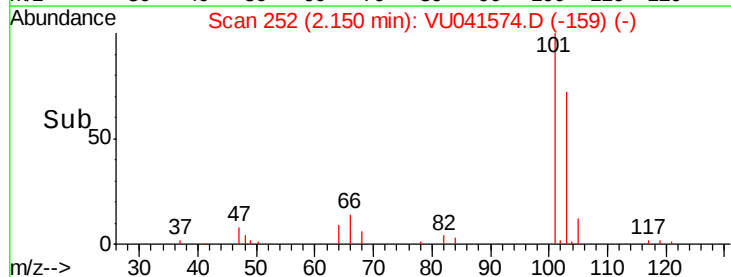
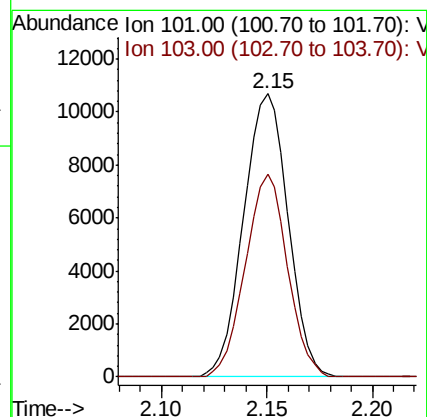
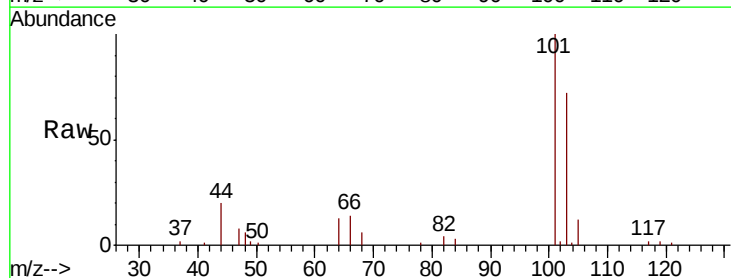
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

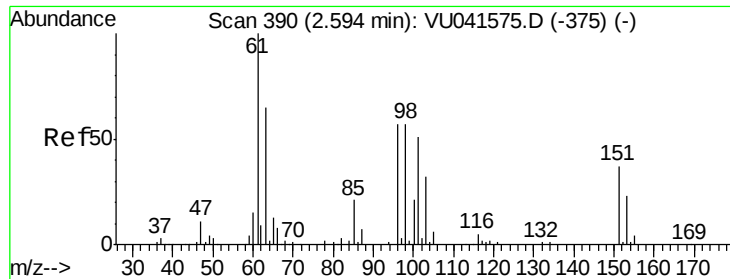
Tot Ion: 64 Resp: 15594
Ion Ratio Lower Upper
64 100
66 30.8 21.6 40.0



#9
Trichlorofluoromethane
Concen: 0.896 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion: 101 Resp: 15669
Ion Ratio Lower Upper
101 100
103 67.8 51.1 76.7





#10

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

Concen: 1.017 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

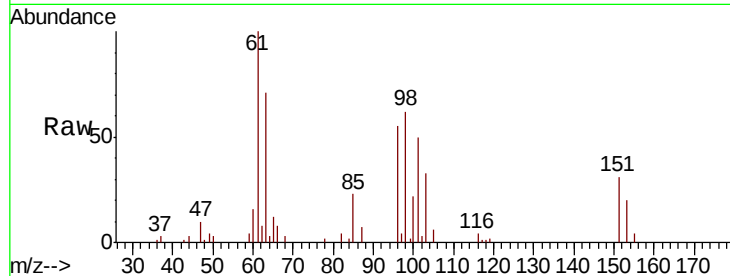
Tot Ion:101 Resp: 10309

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

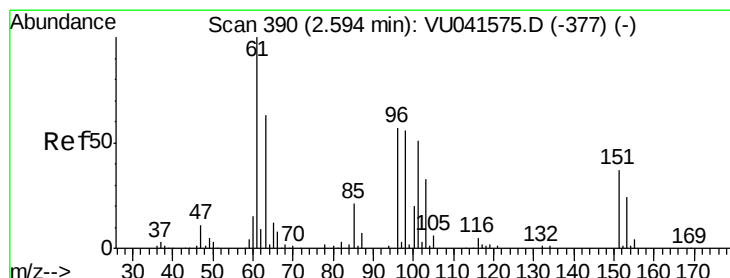
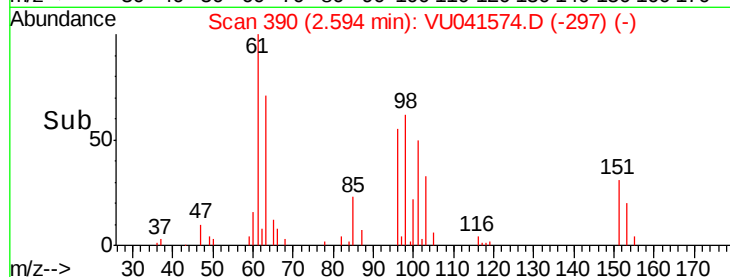
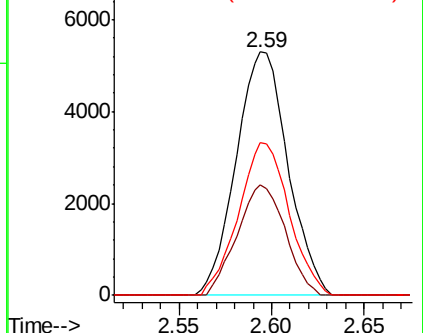
151 61.2 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.932 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

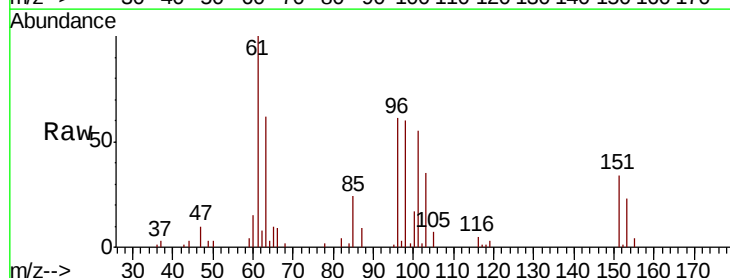
Tgt Ion: 96 Resp: 9270

Ion Ratio Lower Upper

96 100

61 164.9 123.8 230.0

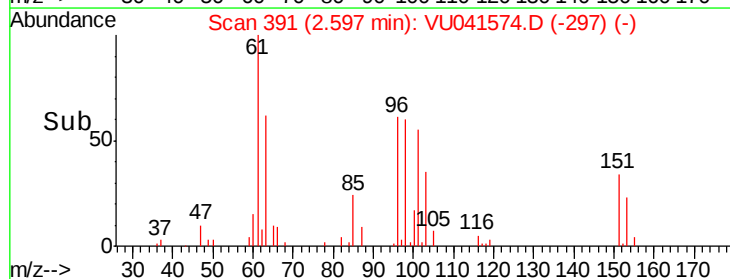
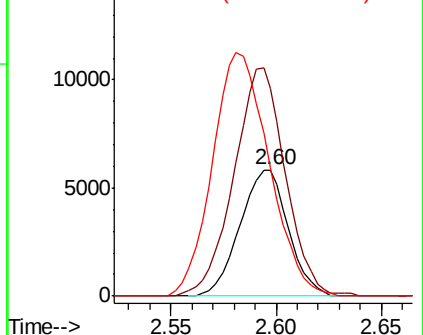
63 102.2 81.0 150.4

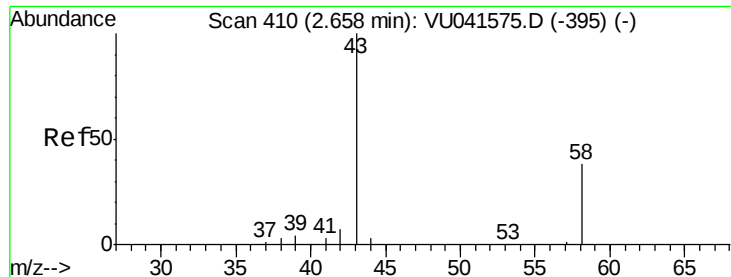


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.347 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

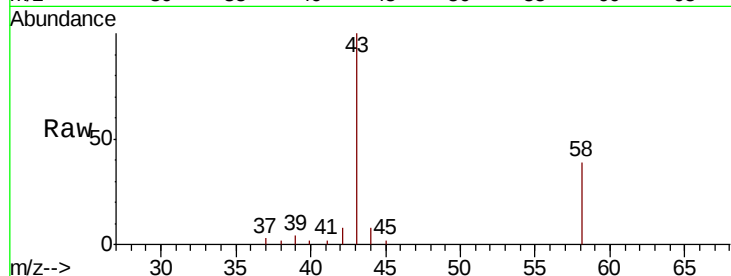
VSTD00102

Tot Ion: 43 Resp: 19501

Ion Ratio Lower Upper

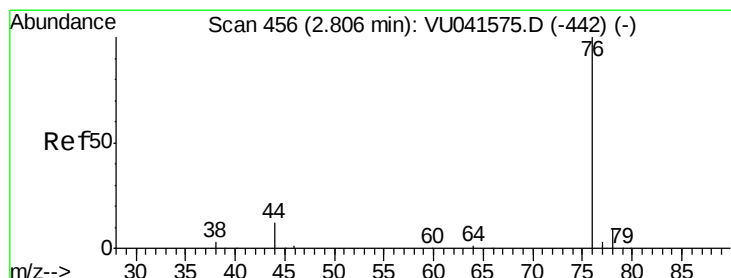
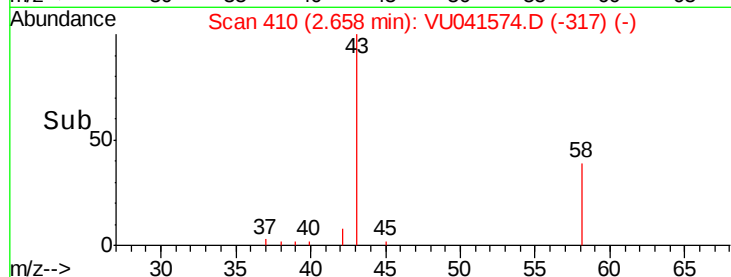
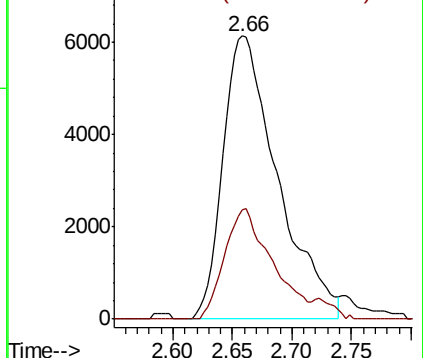
43 100

58 34.1 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.961 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041574.D

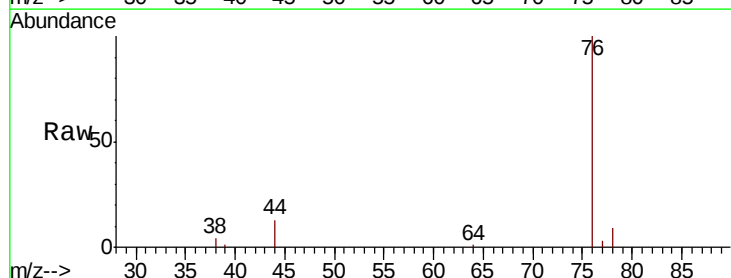
Acq: 12 Dec 2020 17:51

Tgt Ion: 76 Resp: 33389

Ion Ratio Lower Upper

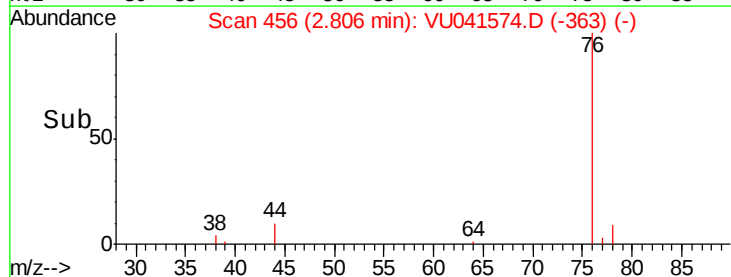
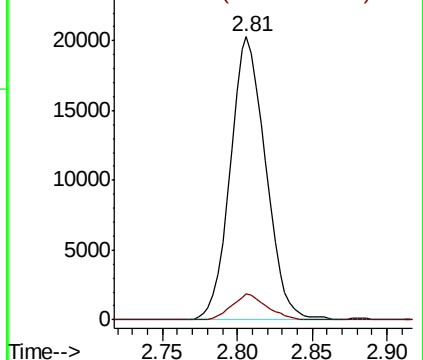
76 100

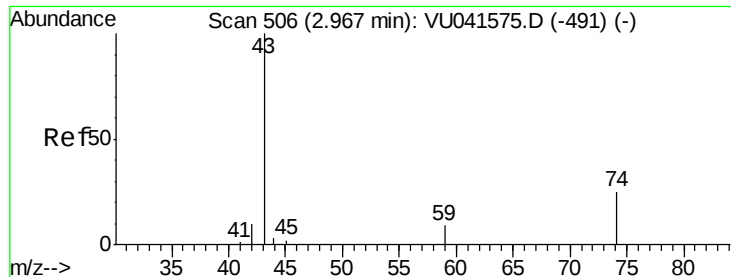
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

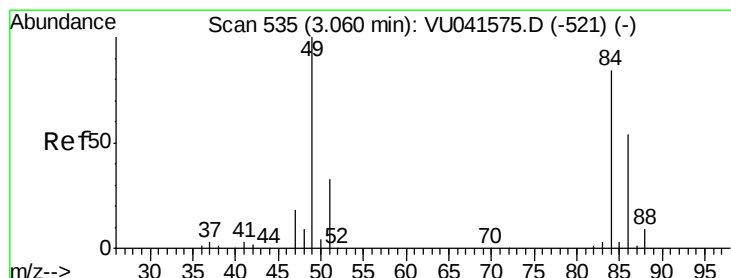
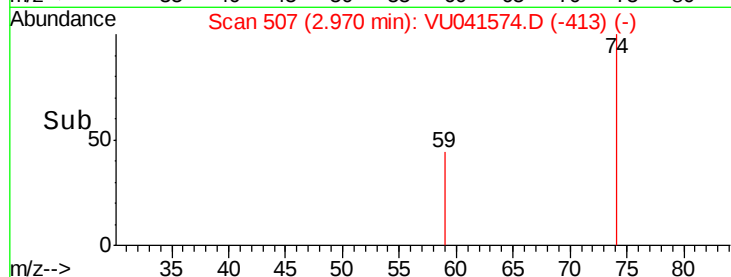
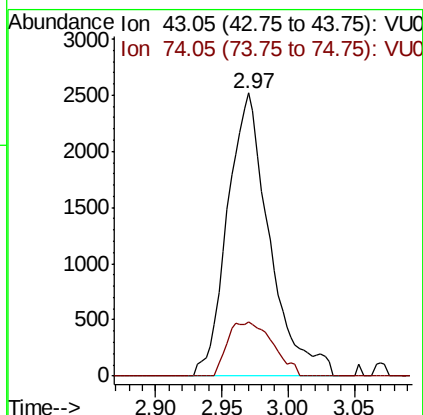
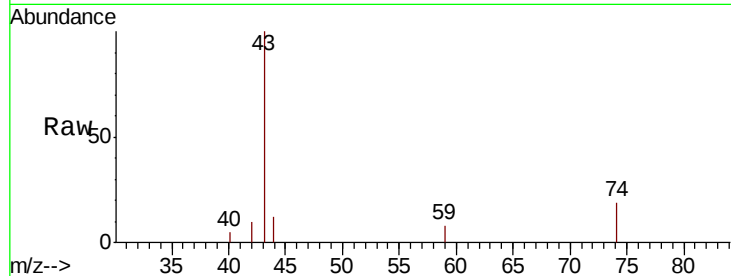




#15
Methvl Acetate
Concen: 0.992 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

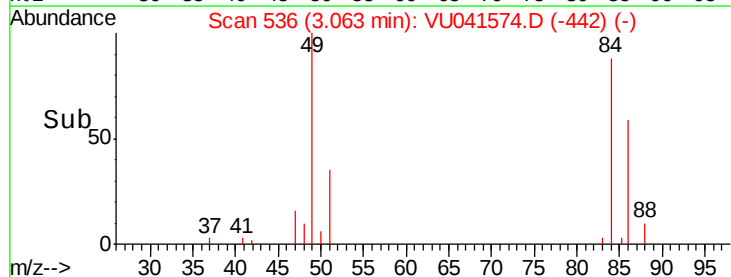
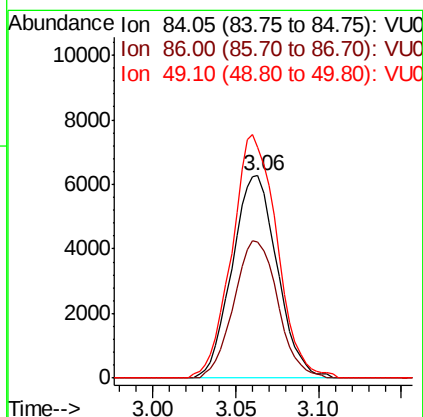
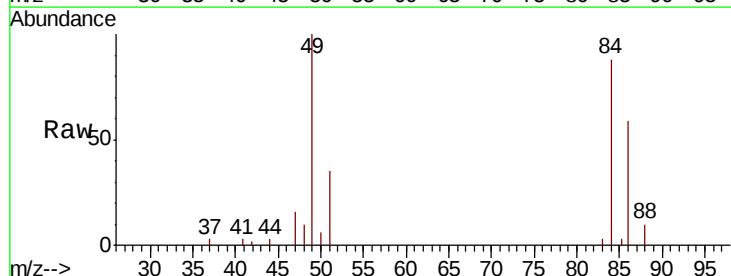
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

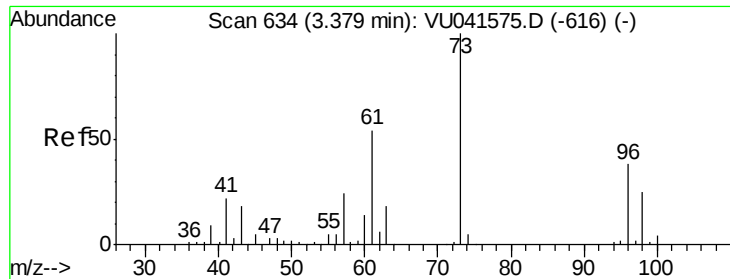
Tot Ion: 43 Resp: 5544
Ion Ratio Lower Upper
43 100
74 20.6 19.2 28.8



#16
Methylene chloride
Concen: 1.045 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion: 84 Resp: 11879
Ion Ratio Lower Upper
84 100
86 67.3 45.1 83.7
49 114.2 83.1 154.3

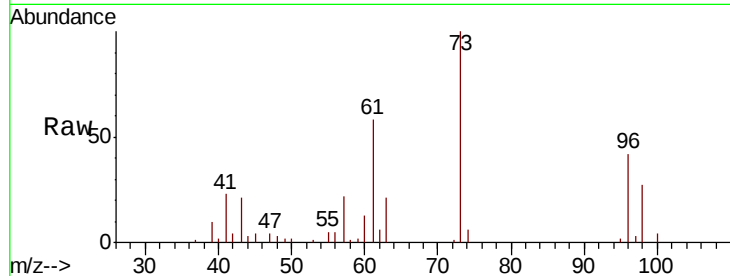




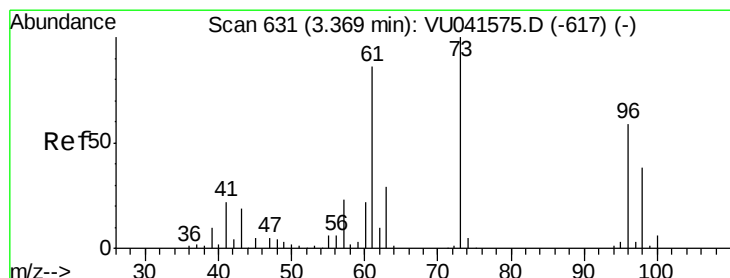
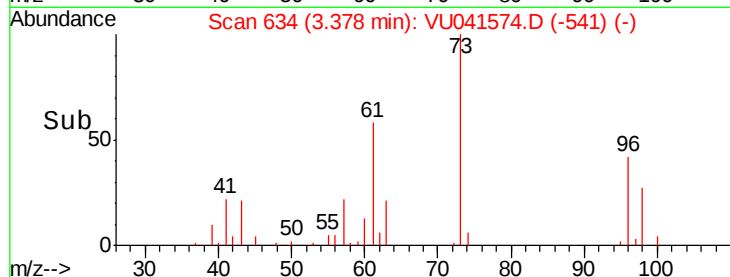
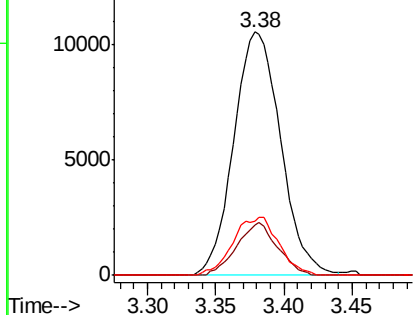
#17
Methvl tert-butvl Ether
Concen: 0.928 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion: 73 Resp: 25144
Ion Ratio Lower Upper
73 100
43 18.6 14.7 22.1
57 23.3 18.2 27.4

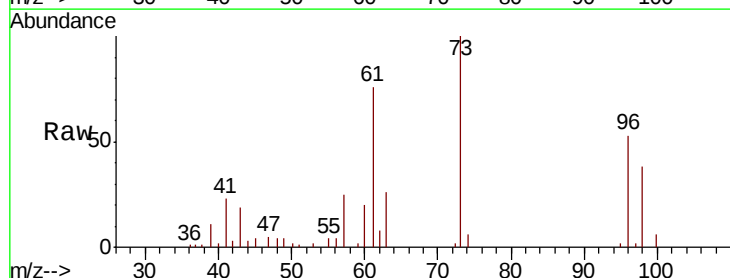


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

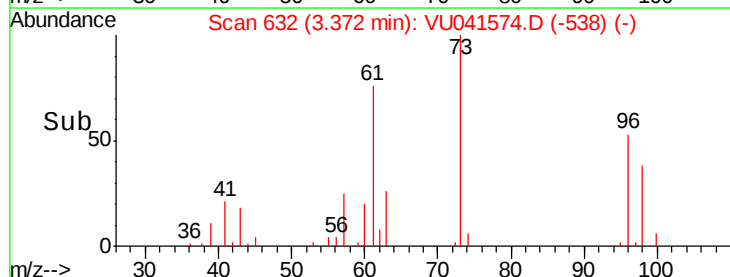
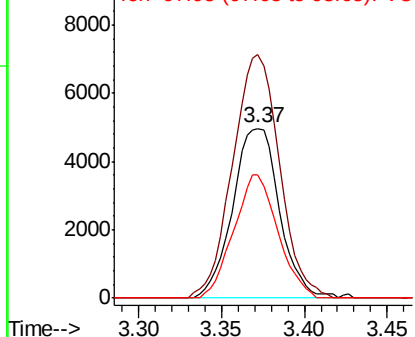


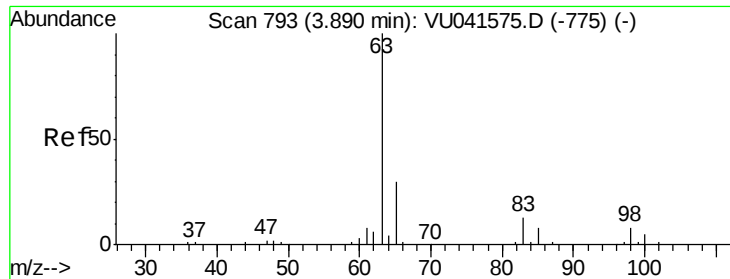
#18
trans-1,2-Dichloroethene
Concen: 0.920 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion: 96 Resp: 9760
Ion Ratio Lower Upper
96 100
61 143.6 101.8 189.0
98 72.4 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

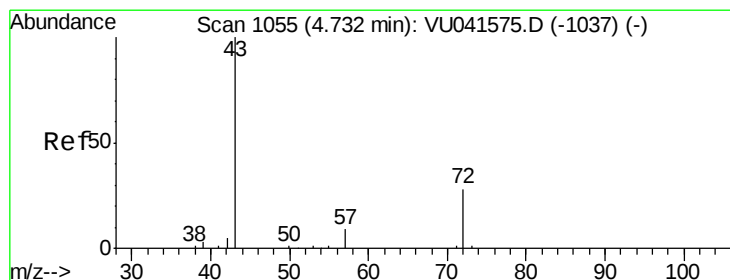
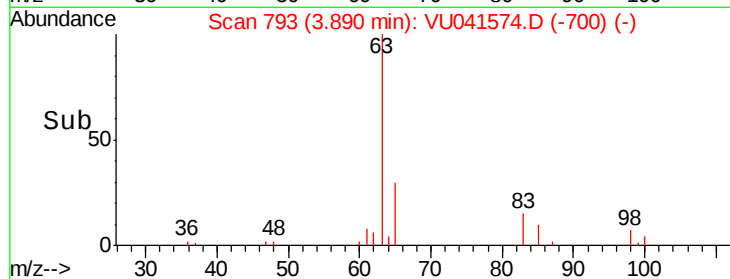
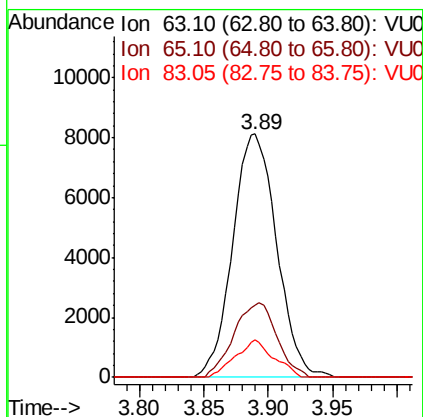
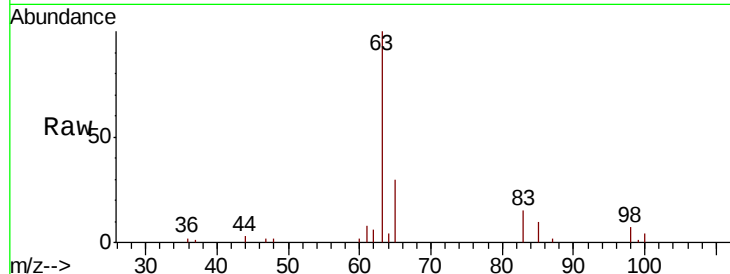




#19
 1,1-Dichloroethane
 Concen: 0.999 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

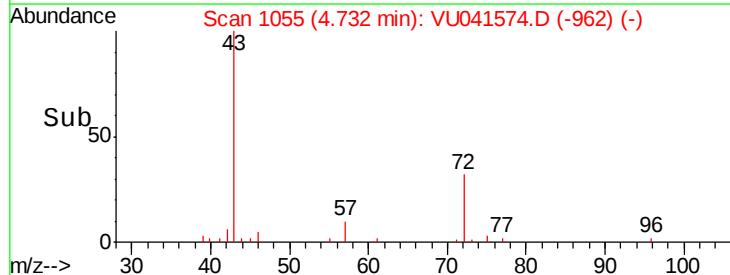
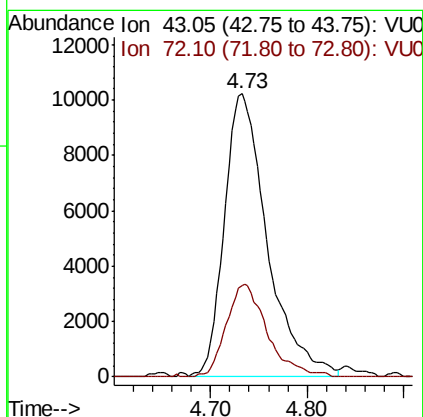
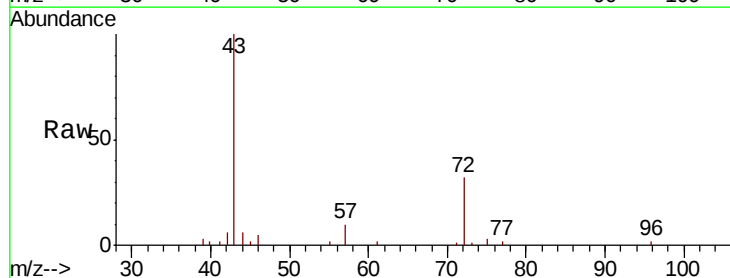
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

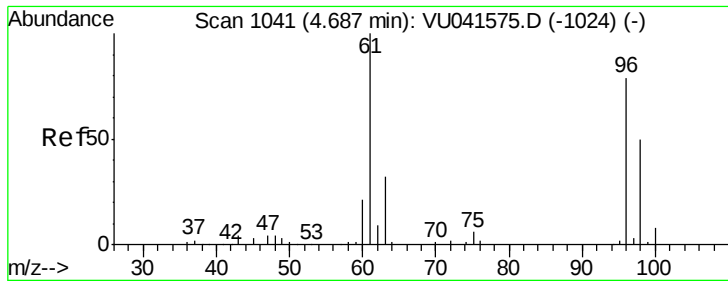
Tot Ion: 63 Resp: 19270
 Ion Ratio Lower Upper
 63 100
 65 29.8 21.3 39.6
 83 15.4 9.3 17.3



#21
 2-Butanone
 Concen: 8.970 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion: 43 Resp: 31648
 Ion Ratio Lower Upper
 43 100
 72 30.8 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 0.968 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

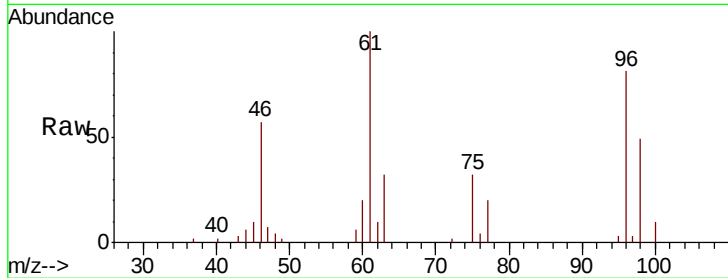
Tot Ion: 96 Resp: 11106

Ion Ratio Lower Upper

96 100

61 123.1 88.8 165.0

68 0.0 0.0 0.0

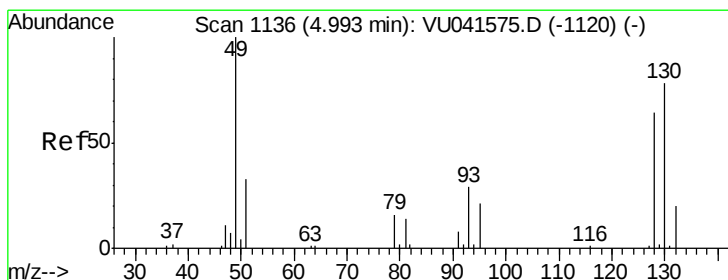
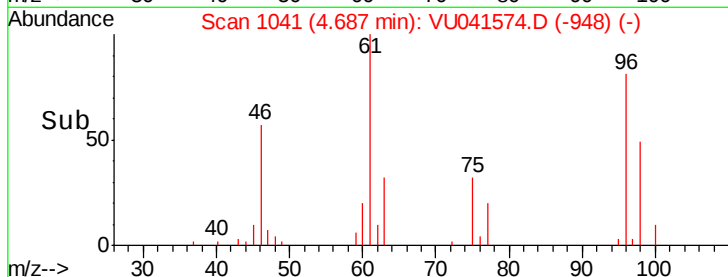
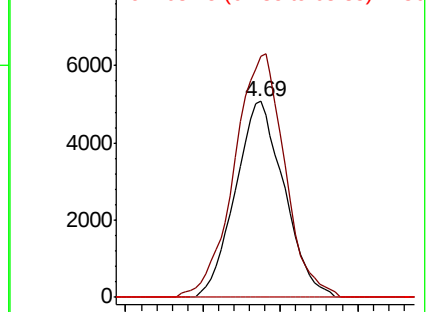


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.977 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Tgt Ion: 128 Resp: 5233

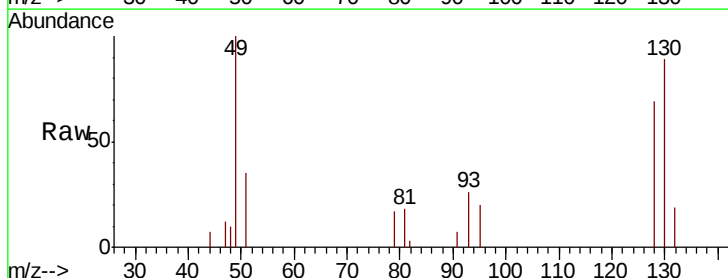
Ion Ratio Lower Upper

128 100

49 145.1 109.3 203.1

130 128.7 84.8 157.6

51 50.8 40.6 61.0



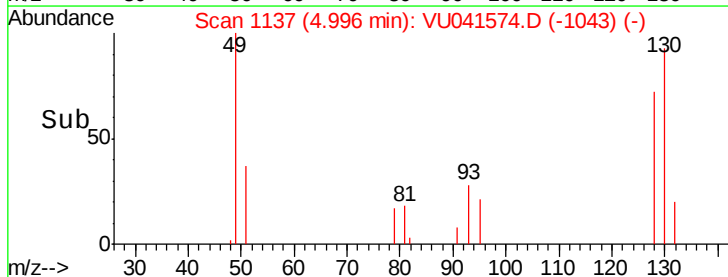
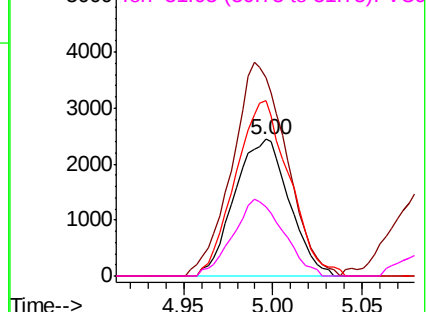
Abundance

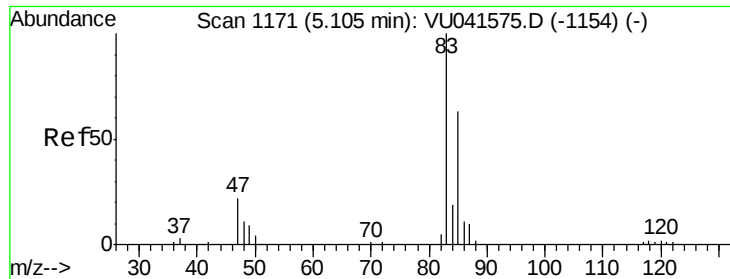
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

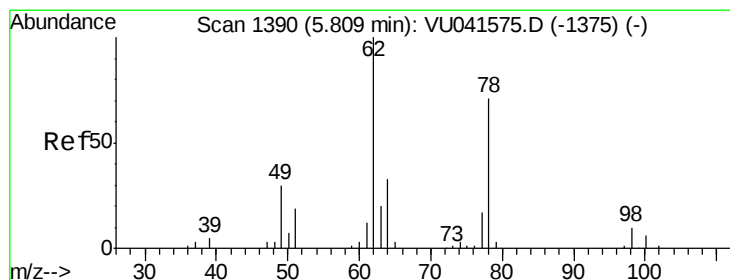
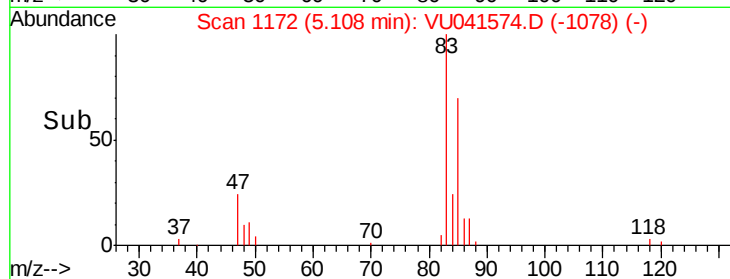
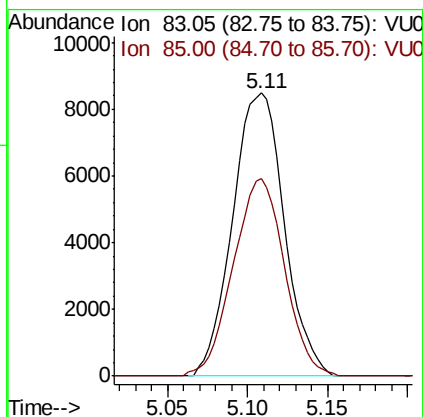
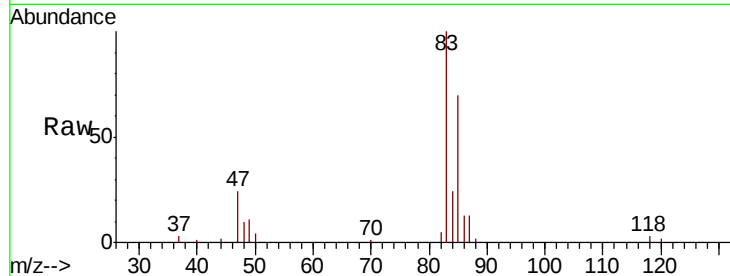




#25
Chloroform
Concen: 0.944 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

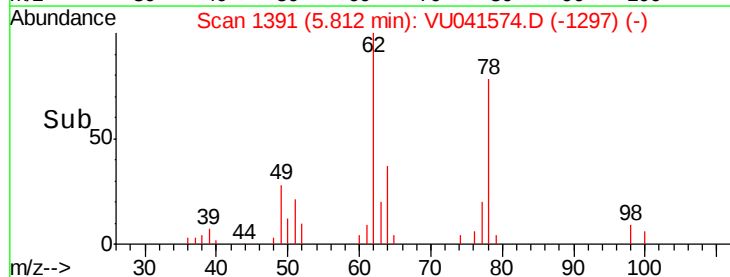
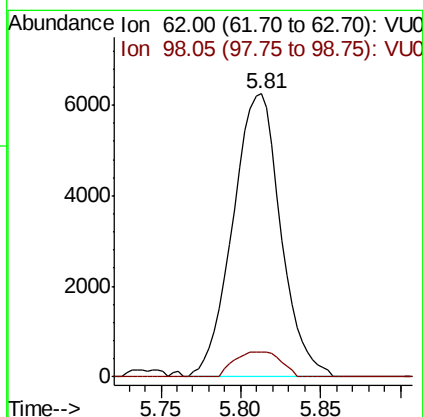
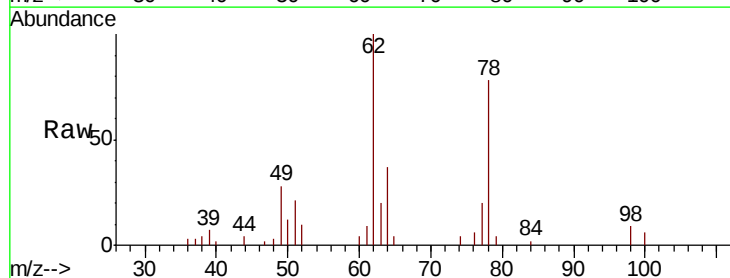
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

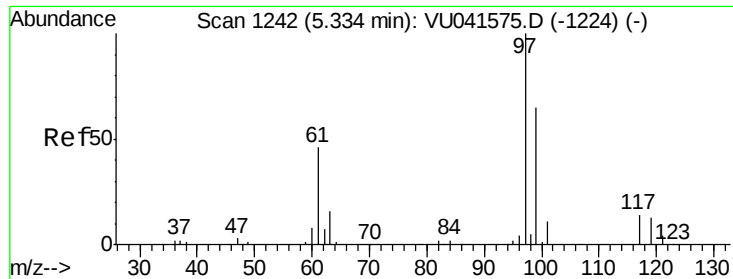
Tot Ion: 83 Resp: 18772
Ion Ratio Lower Upper
83 100
85 69.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.957 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion: 62 Resp: 12794
Ion Ratio Lower Upper
62 100
98 8.8 8.2 12.2

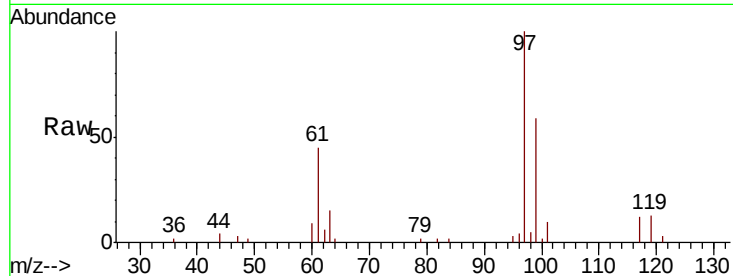




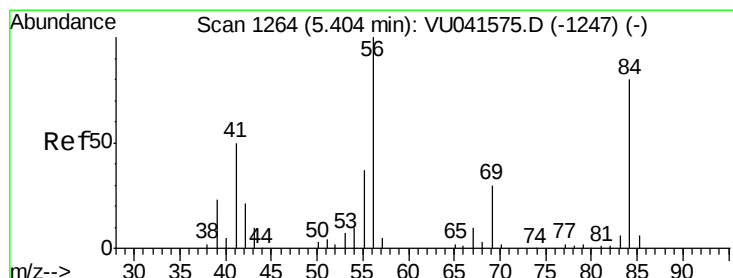
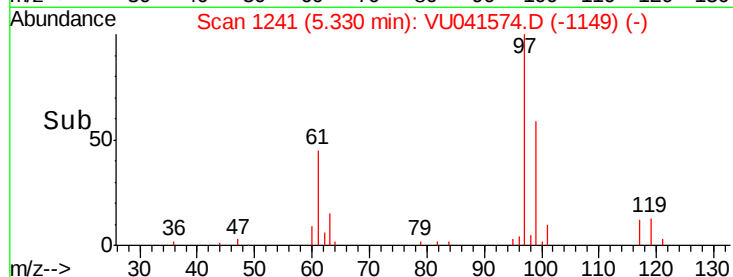
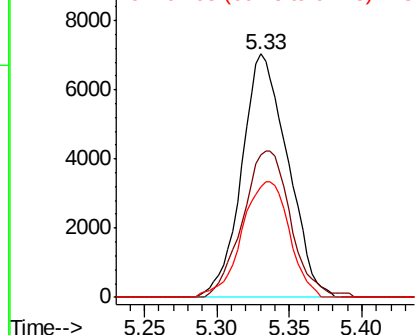
#29
 1,1,1-Trichloroethane
 Concen: 0.917 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion: 97 Resp: 15527
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.3 76.9
 61 48.9 36.5 54.7

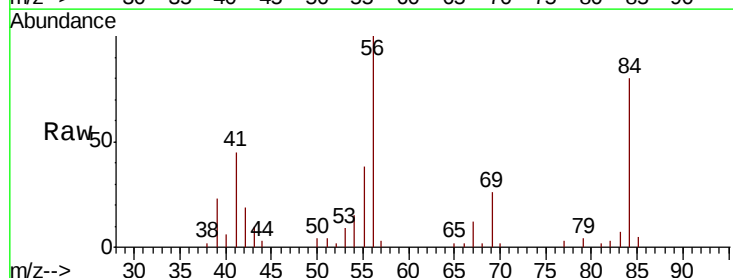


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

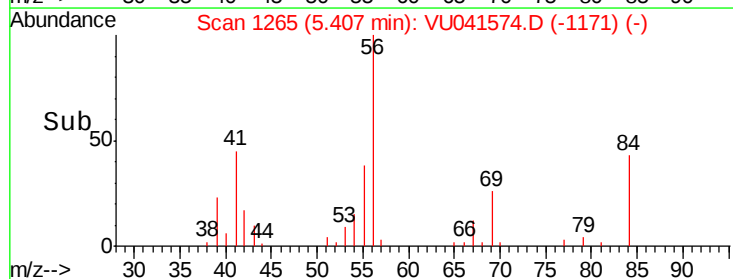
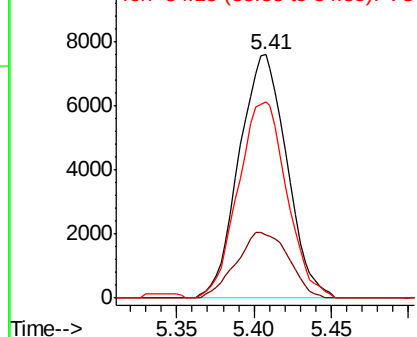


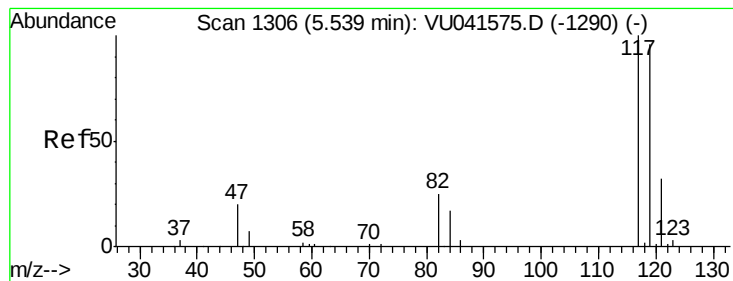
#30
 Cyclohexane
 Concen: 0.849 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion: 56 Resp: 16297
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.8 35.8
 84 82.0 66.2 99.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.896 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

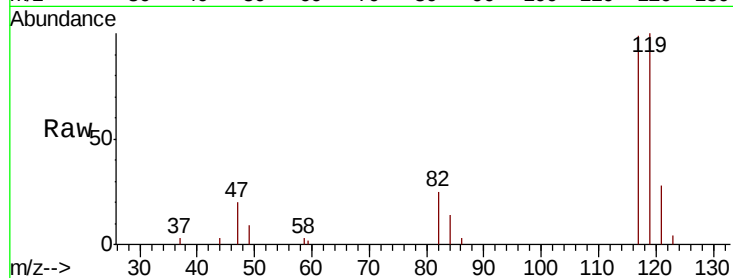
VSTD00102

Tot Ion:117 Resp: 13257

Ion Ratio Lower Upper

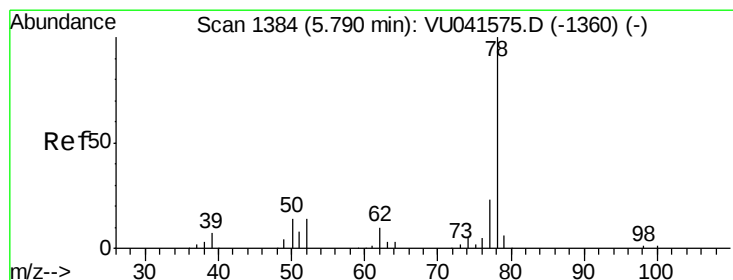
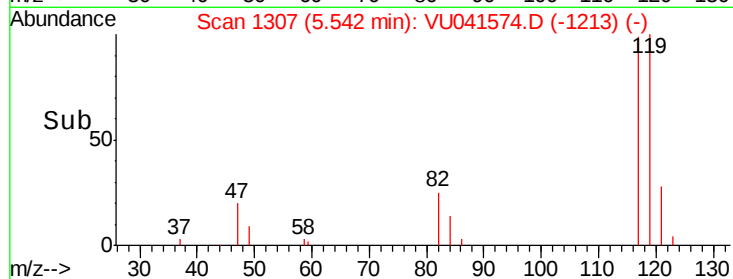
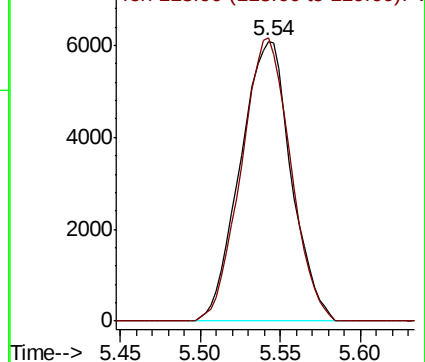
117 100

119 98.0 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.903 ug/L

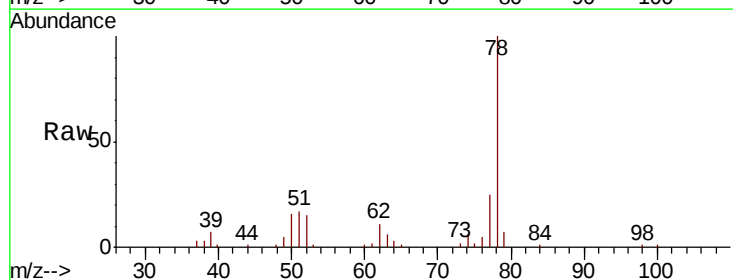
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

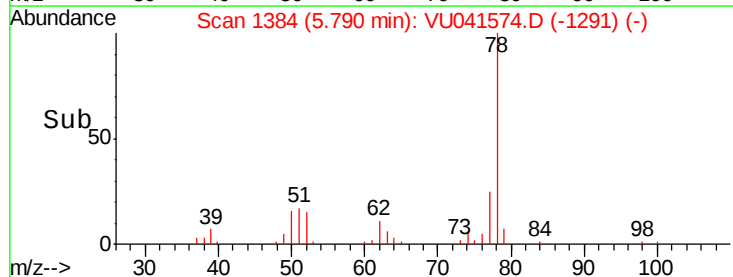
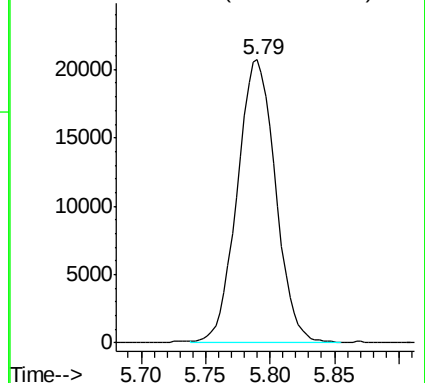
Lab File: VU041574.D

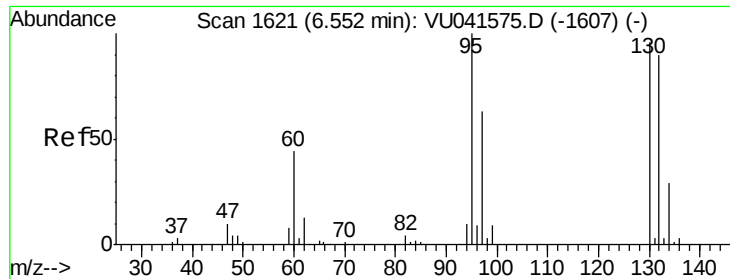
Acq: 12 Dec 2020 17:51

Tgt Ion: 78 Resp: 42855



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.922 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

Tot Ion: 95 Resp: 11025

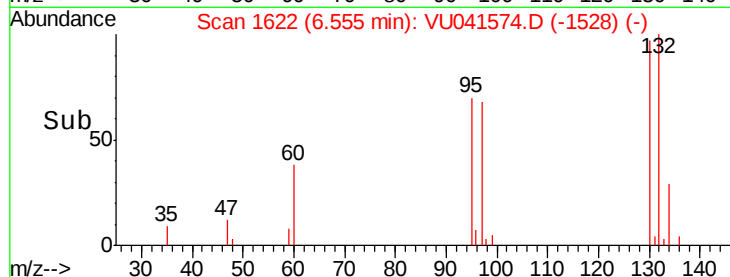
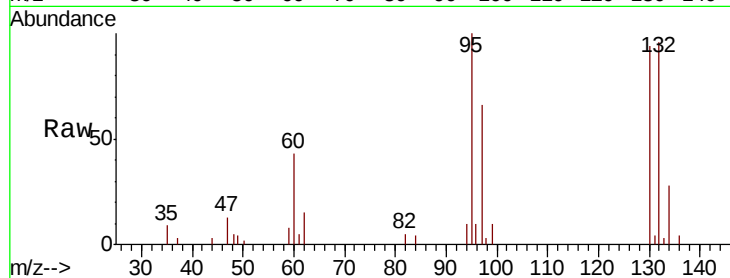
Ion Ratio Lower Upper

95 100

97 65.8 43.9 81.5

132 96.3 63.1 117.3

130 93.8 67.4 125.2



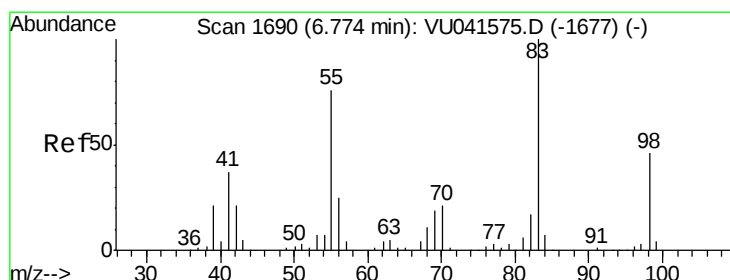
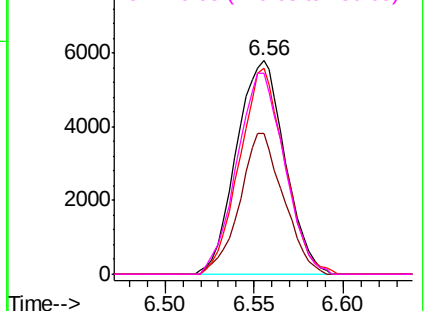
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.837 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

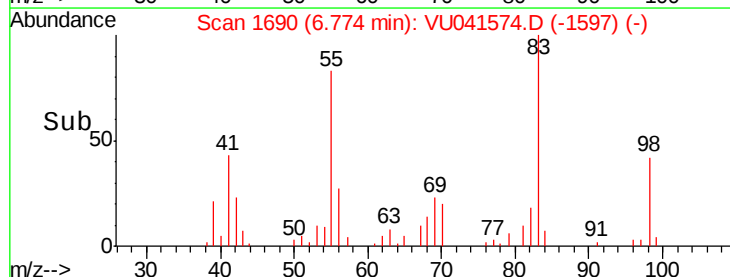
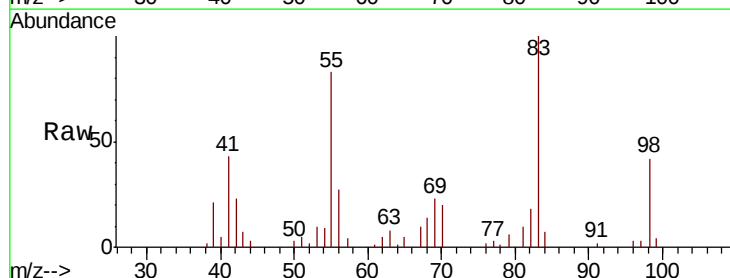
Tgt Ion: 83 Resp: 16045

Ion Ratio Lower Upper

83 100

55 84.7 61.2 91.8

98 44.5 36.6 54.8

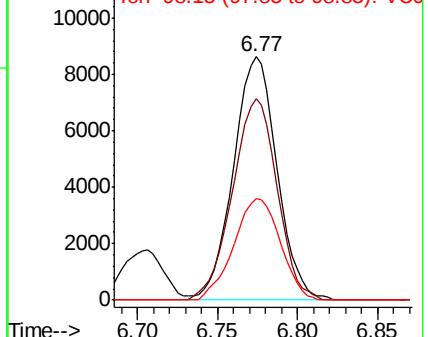


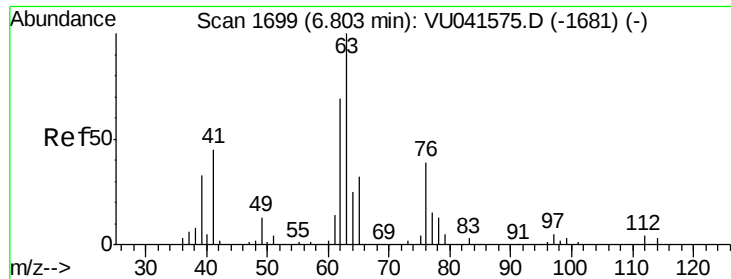
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

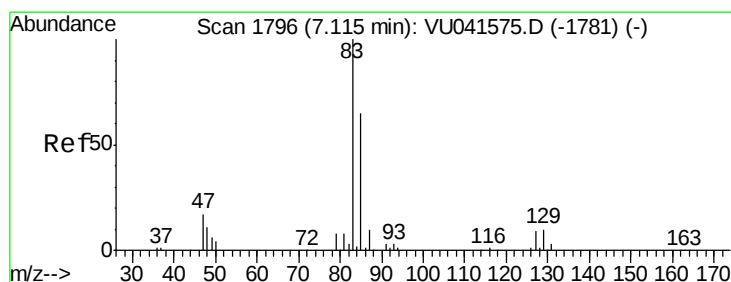
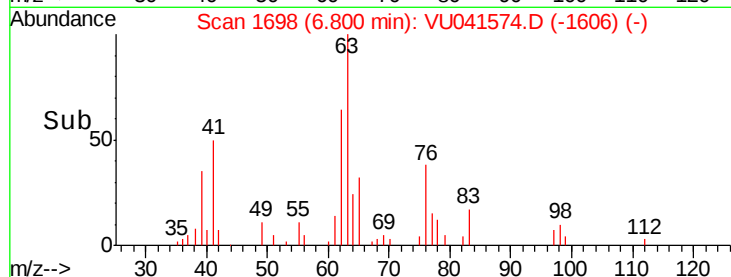
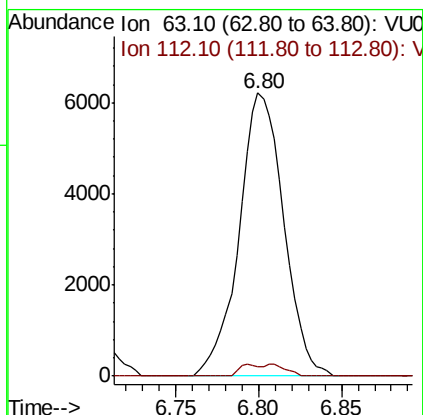
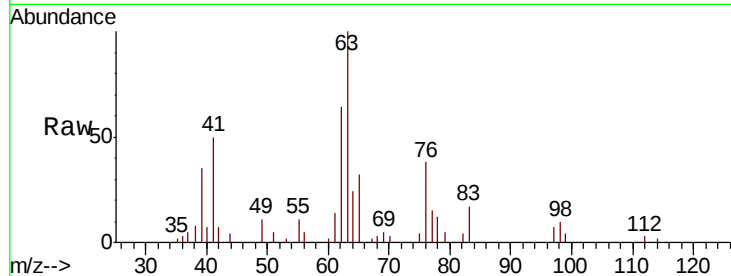




#37
 1,2-Dichloropropane
 Concen: 0.990 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

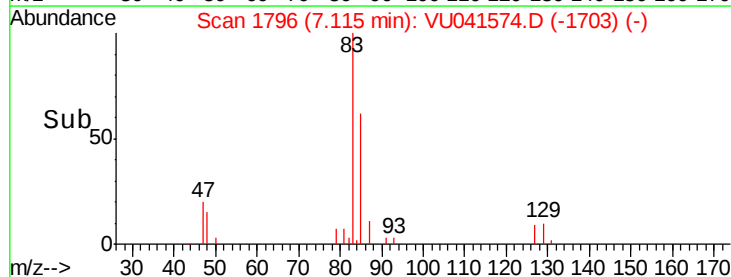
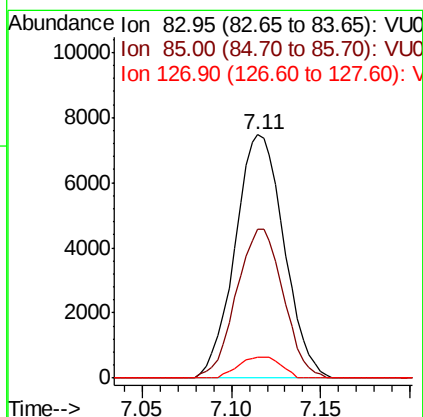
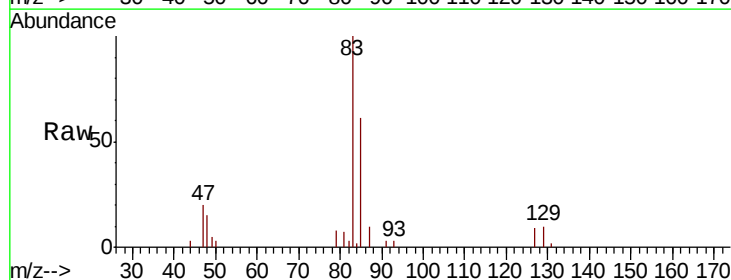
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

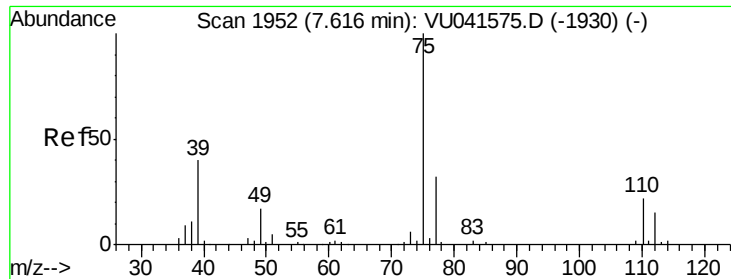
Tot Ion: 63 Resp: 11653
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.952 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion: 83 Resp: 14244
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.5 84.5
 127 8.6 7.0 10.6

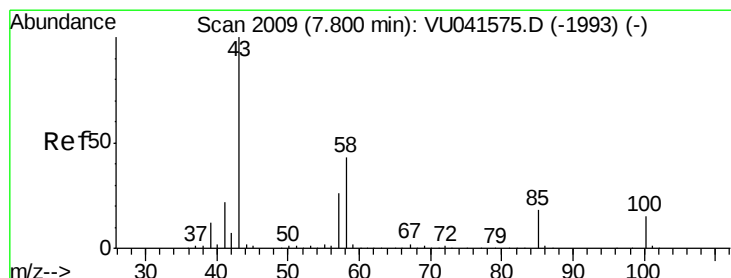
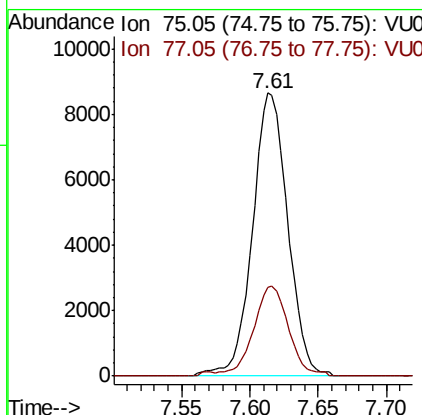
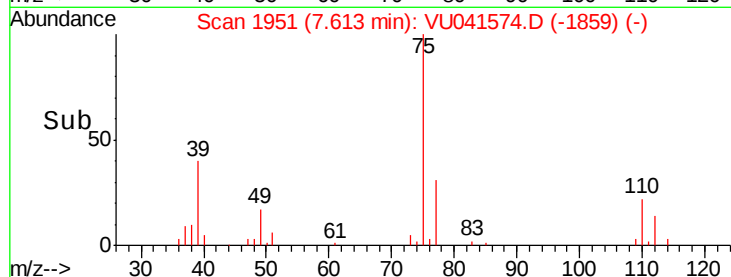
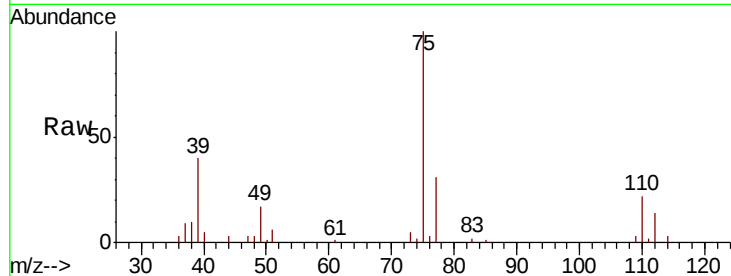




#39
 cis-1,3-Dichloropropene
 Concen: 0.852 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

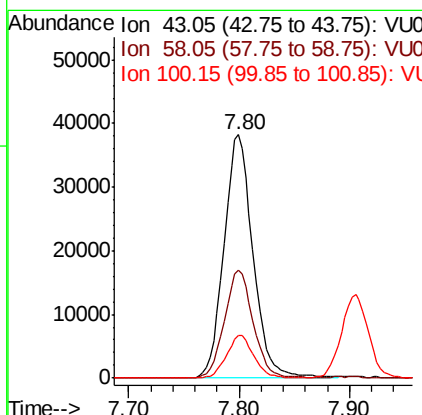
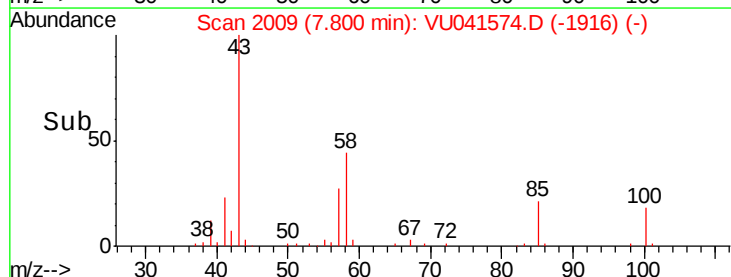
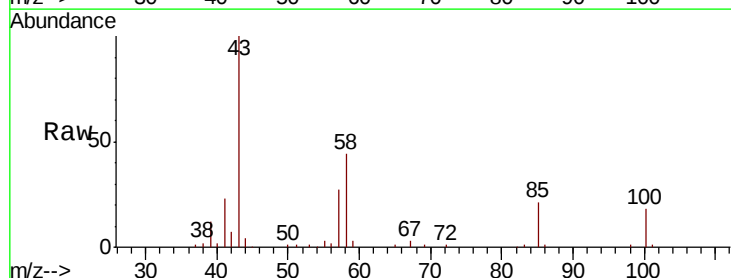
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

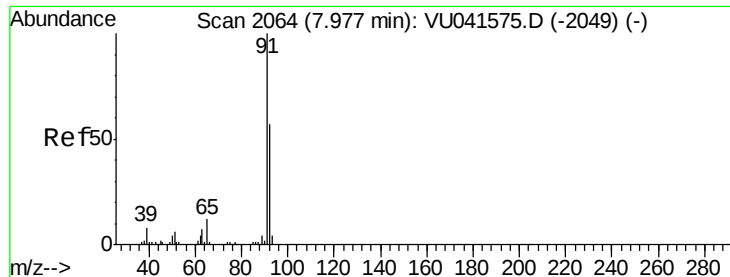
Tot Ion: 75 Resp: 15526
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 7.864 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion: 43 Resp: 69730
 Ion Ratio Lower Upper
 43 100
 58 44.0 34.2 51.2
 100 16.4 12.3 18.5





#42

Toluene

Concen: 0.871 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

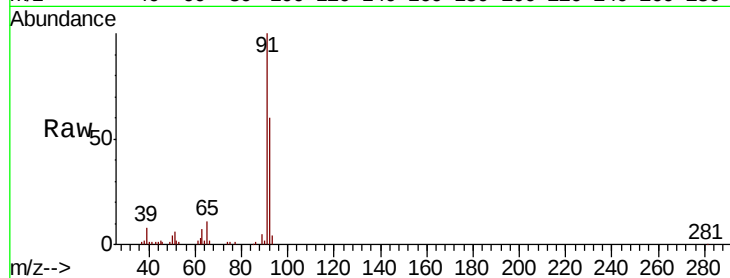
VSTD00102

Tot Ion: 91 Resp: 43625

Ion Ratio Lower Upper

91 100

92 60.2 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041575.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041575.D (-2049) (-)

7.98

25000

20000

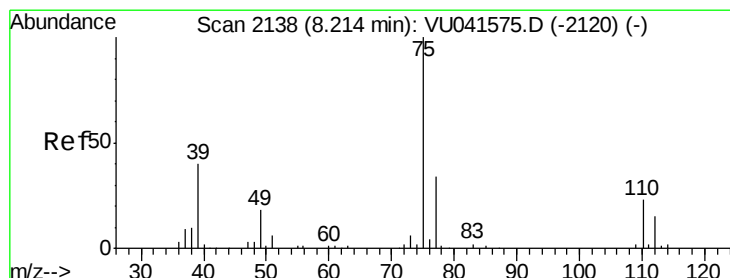
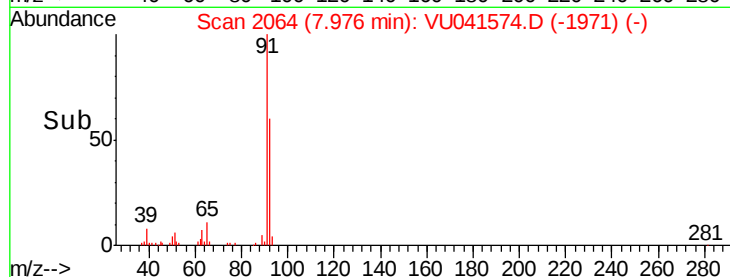
15000

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.849 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041574.D

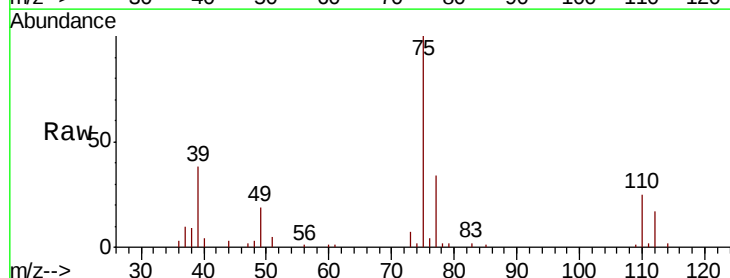
Acq: 12 Dec 2020 17:51

Tgt Ion: 75 Resp: 13890

Ion Ratio Lower Upper

75 100

77 34.3 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041575.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041575.D (-2120) (-)

8.21

8000

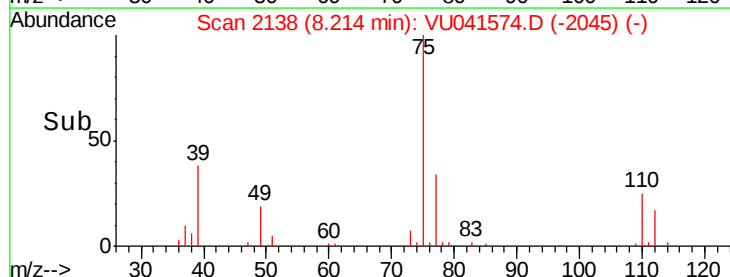
6000

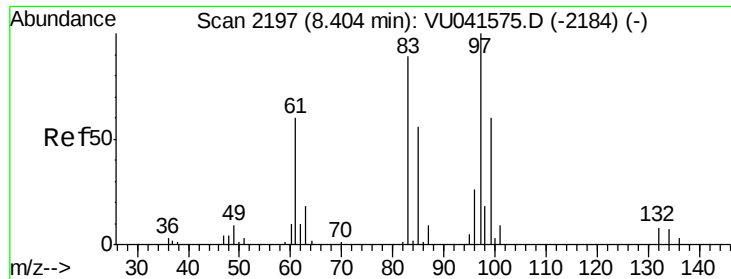
4000

2000

0

Time-->

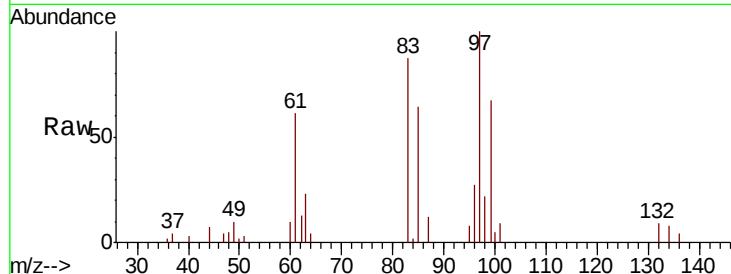




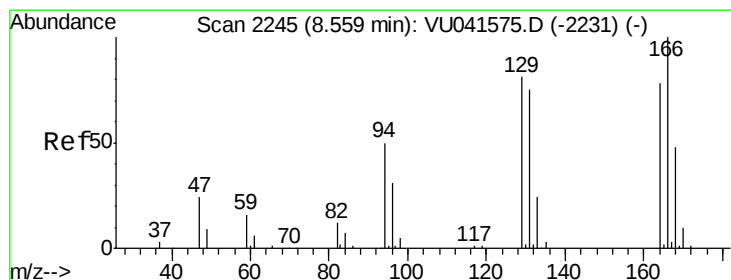
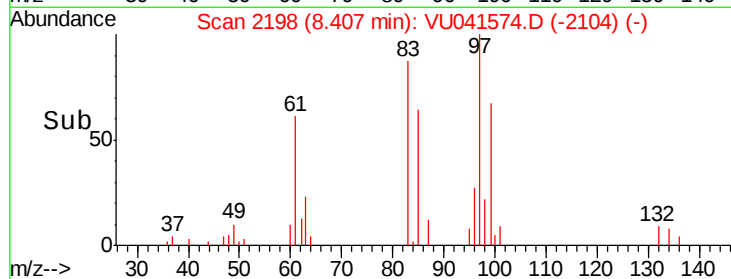
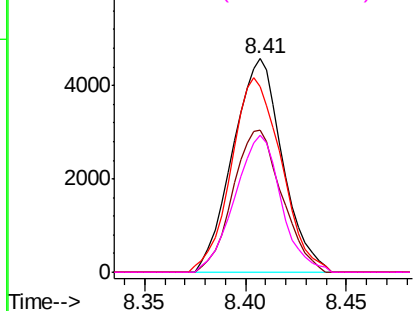
#45
 1,1,2-Trichloroethane
 Concen: 0.838 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion:	97	Resp:	7891
Ion	Ratio	Lower	Upper
97	100		
99	66.8	42.1	78.3
83	87.1	62.6	116.2
85	63.9	39.1	72.7

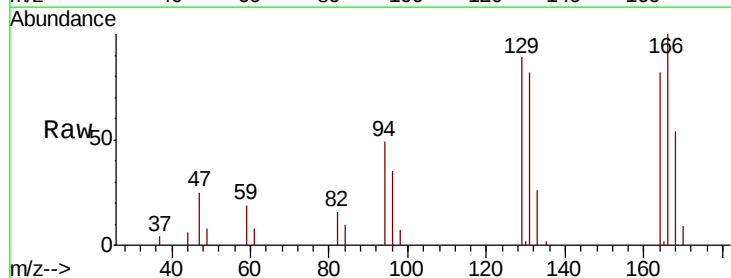


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

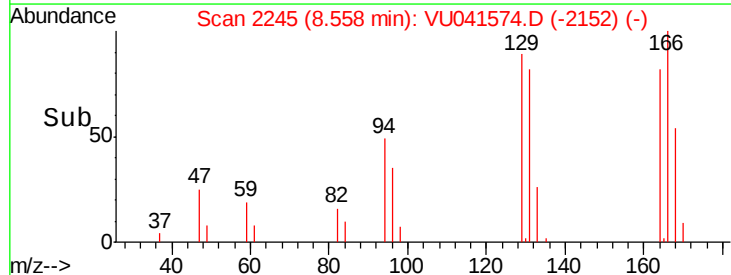
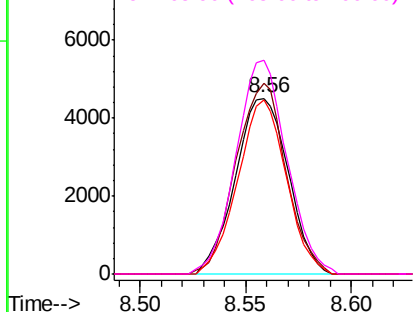


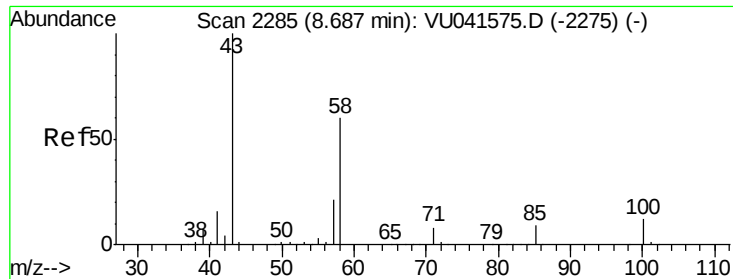
#47
 Tetrachloroethene
 Concen: 0.940 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion:	164	Resp:	7858
Ion	Ratio	Lower	Upper
164	100		
129	108.7	72.2	134.0
131	99.4	66.9	124.3
166	121.7	89.6	166.4



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

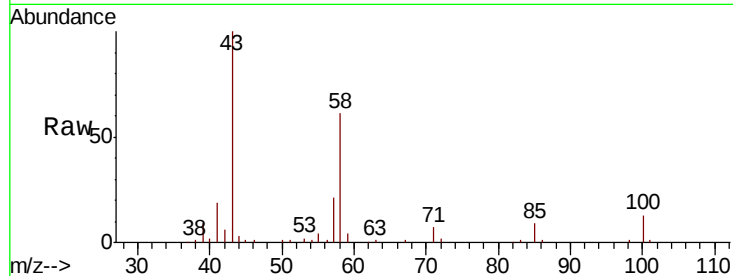




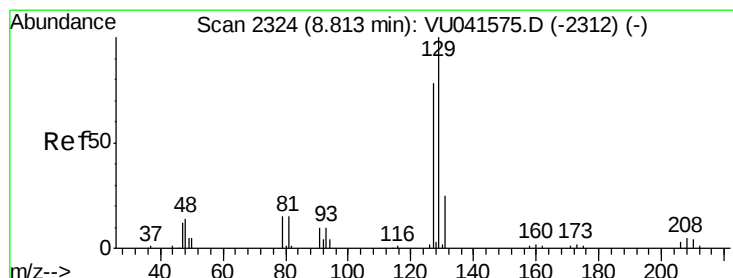
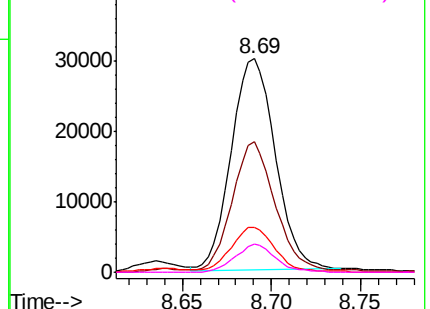
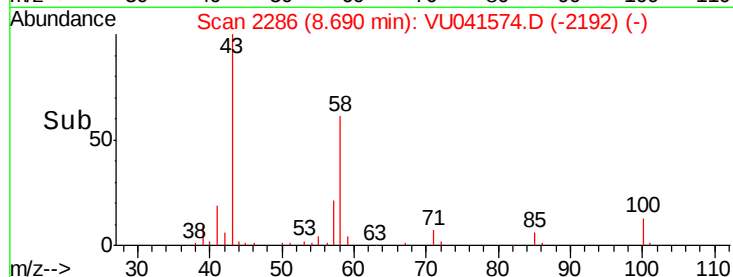
#48
2-Hexanone
Concen: 8.032 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:	43	Resp:	52189
Ion	Ratio	Lower	Upper
43	100		
58	60.0	47.9	71.9
57	21.1	16.5	24.7
100	11.9	9.4	14.2

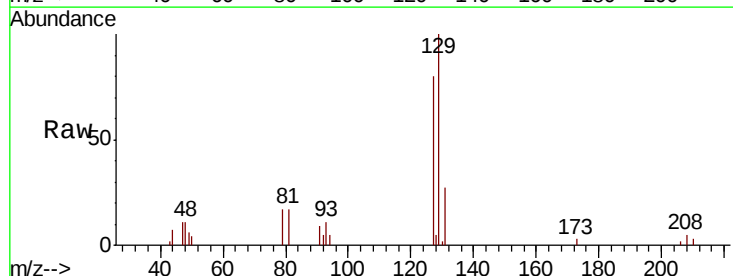


Abundance Ion 43.05 (42.75 to 43.75): VU041574.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041574.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041574.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041574.D (-2192) (-)

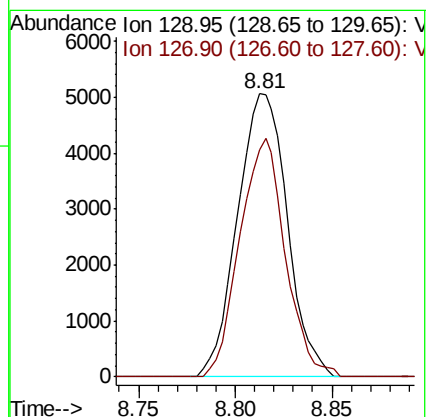
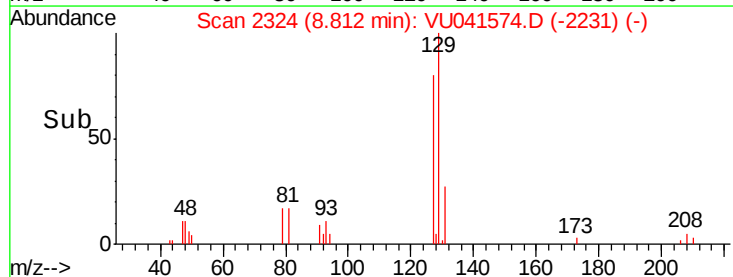


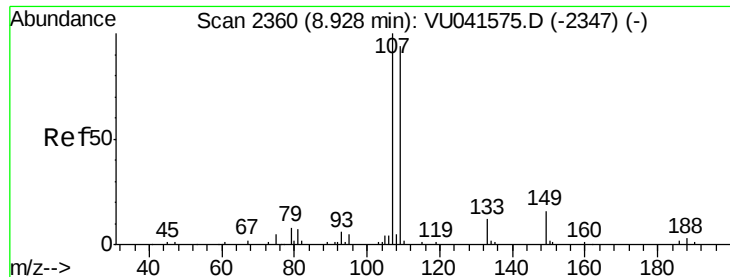
#49
Dibromochloromethane
Concen: 0.879 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion:	129	Resp:	9069
Ion	Ratio	Lower	Upper
129	100		
127	80.4	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041574.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041574.D (-2231) (-)

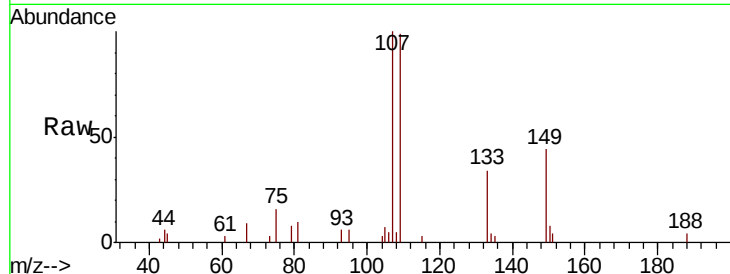




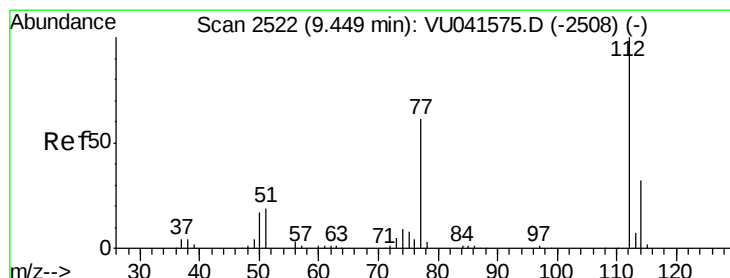
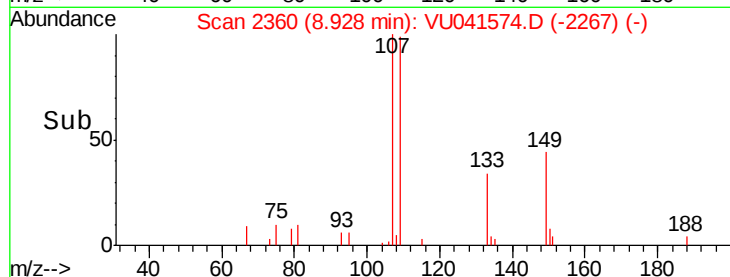
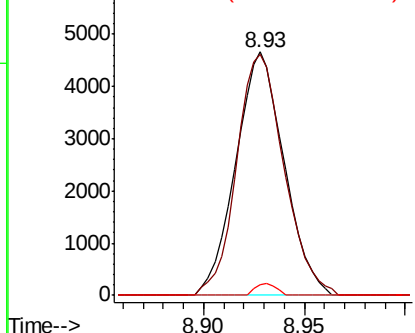
#50
1,2-Dibromoethane
Concen: 0.870 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:107 Resp: 7791
Ion Ratio Lower Upper
107 100
109 99.1 65.6 121.8
188 4.2 2.6 4.0#

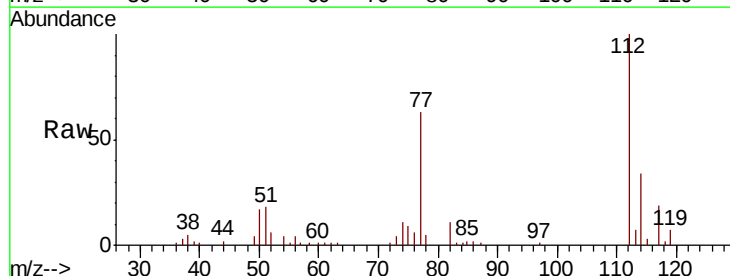


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

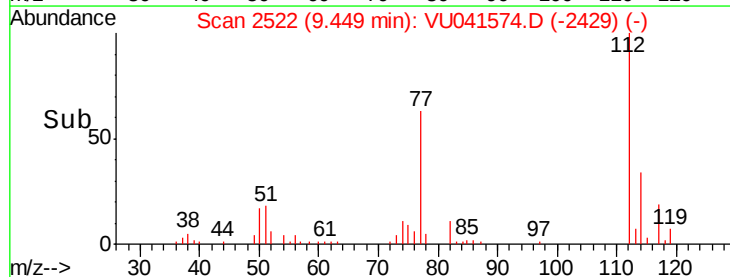
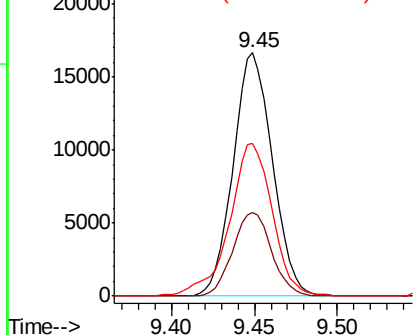


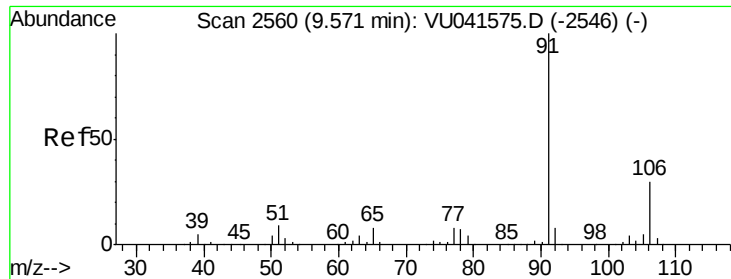
#51
Chlorobenzene
Concen: 0.898 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion:112 Resp: 27479
Ion Ratio Lower Upper
112 100
114 34.3 22.7 42.3
77 63.0 49.1 73.7



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): VU

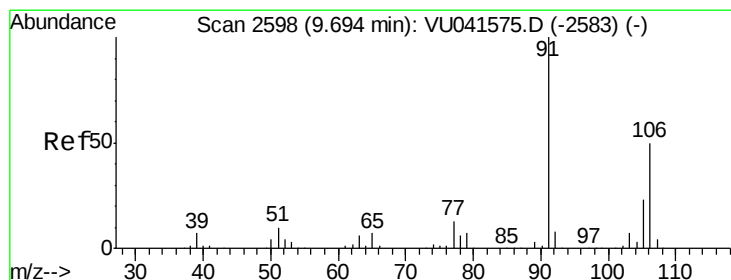
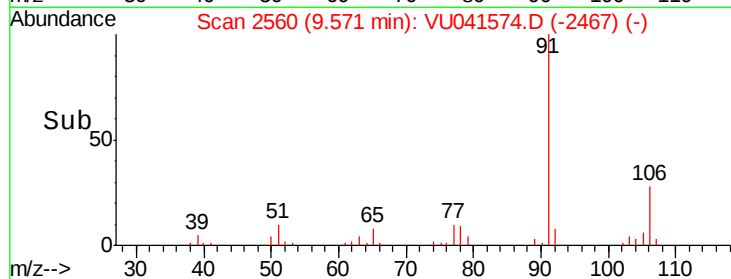
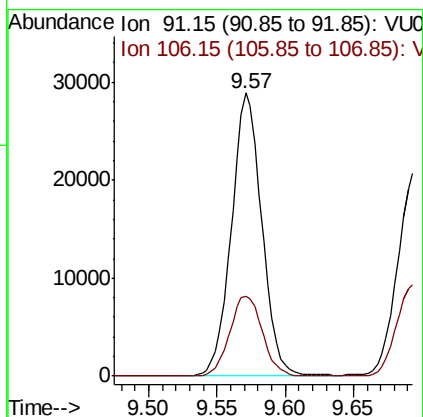
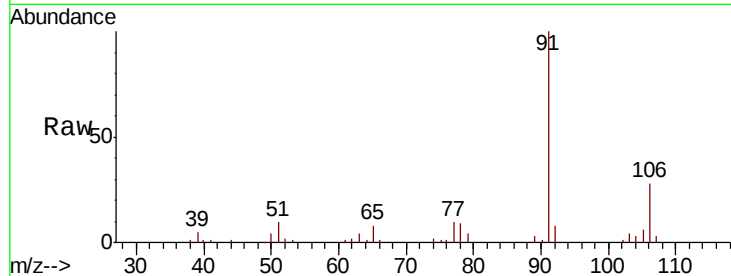




#52
Ethylbenzene
Concen: 0.831 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

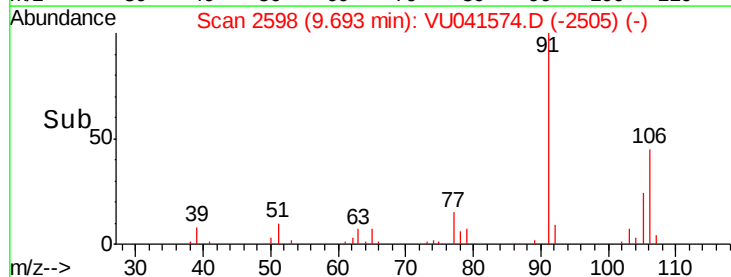
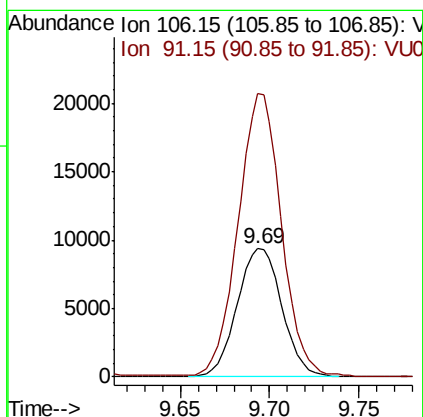
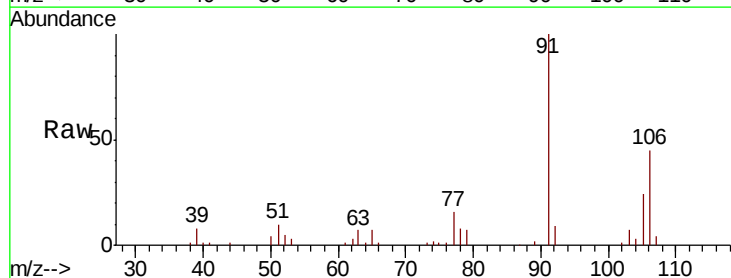
Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

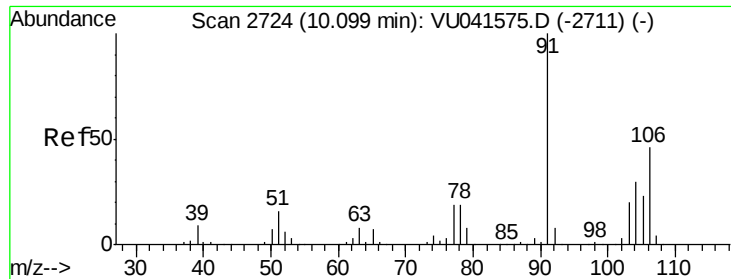
Tot Ion: 91 Resp: 44637
Ion Ratio Lower Upper
91 100
106 28.2 21.1 39.3



#53
m,p-Xylene
Concen: 0.779 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion: 106 Resp: 16314
Ion Ratio Lower Upper
106 100
91 220.4 140.4 260.8

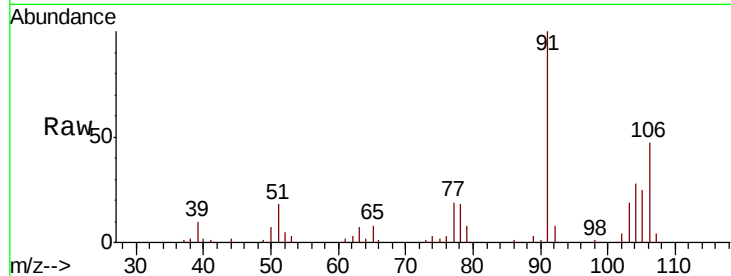




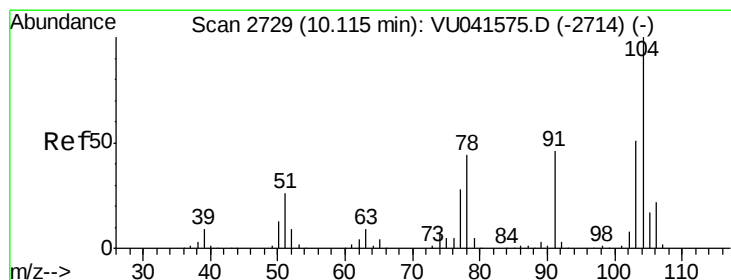
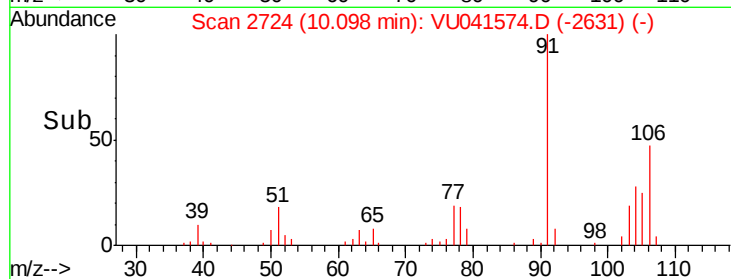
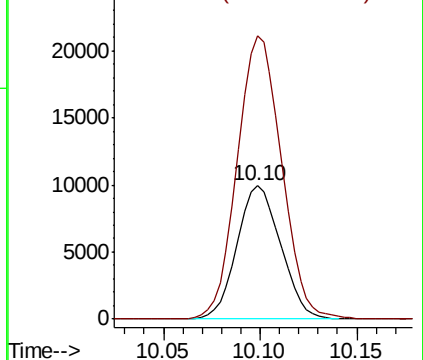
#54
o-Xylene
Concen: 0.787 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00102

Tot Ion:106 Resp: 15570
Ion Ratio Lower Upper
106 100
91 212.6 151.3 281.1

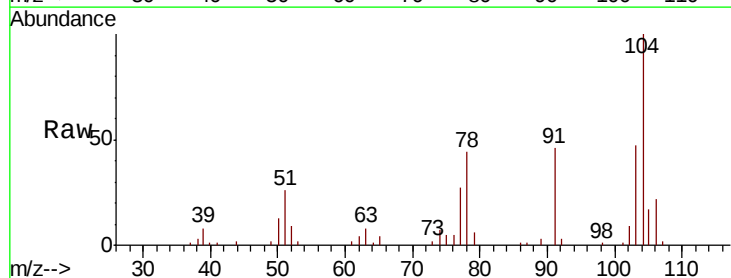


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

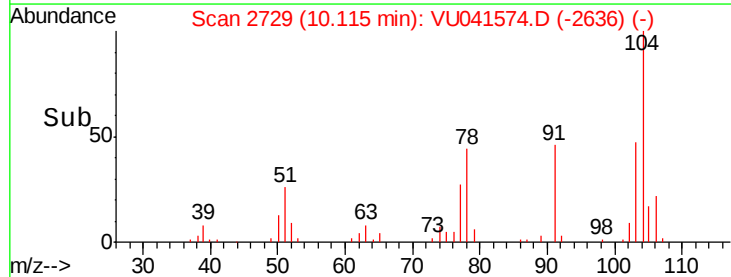
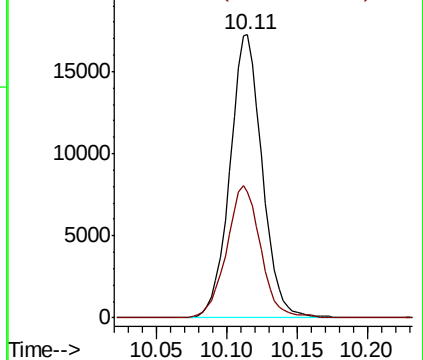


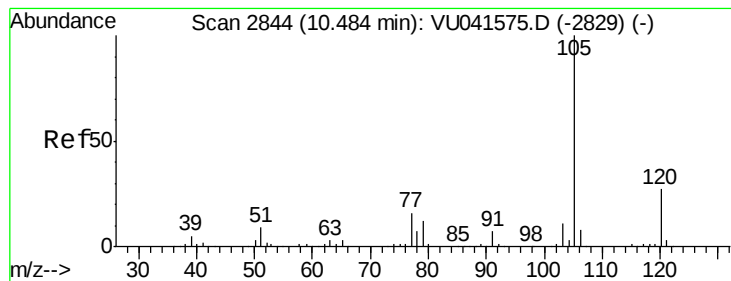
#55
Styrene
Concen: 0.800 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041574.D
Acq: 12 Dec 2020 17:51

Tgt Ion:104 Resp: 27604
Ion Ratio Lower Upper
104 100
78 44.5 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.830 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

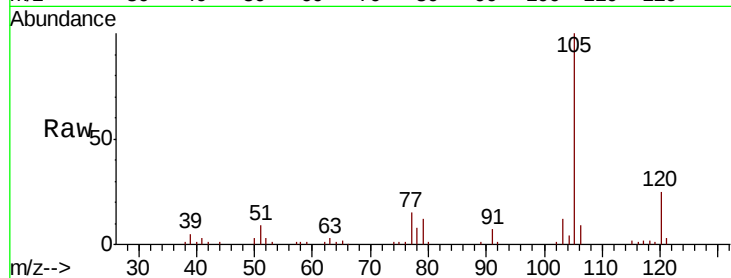
Tot Ion: 105 Resp: 42954

Ion Ratio Lower Upper

105 100

120 24.2 20.5 30.7

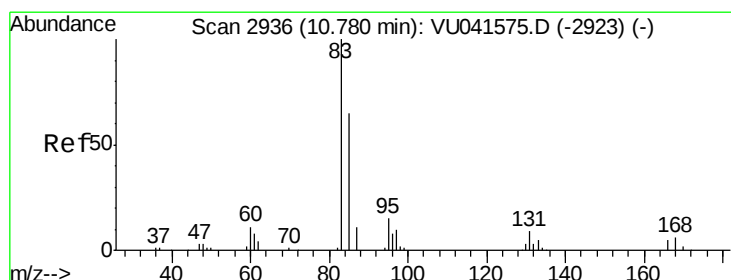
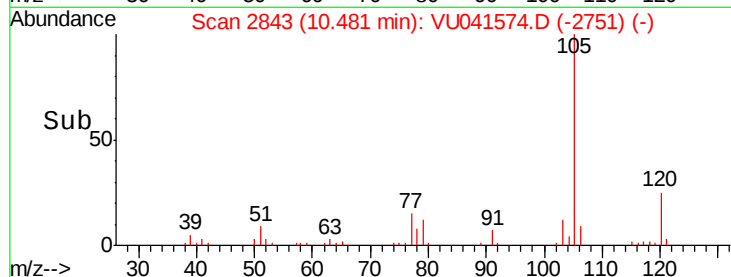
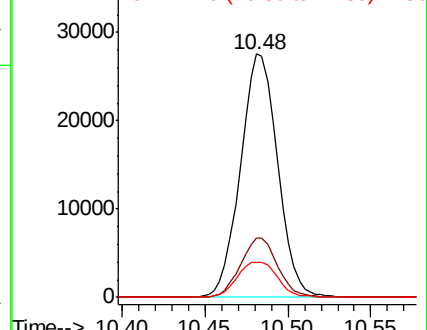
77 15.6 12.7 19.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.909 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

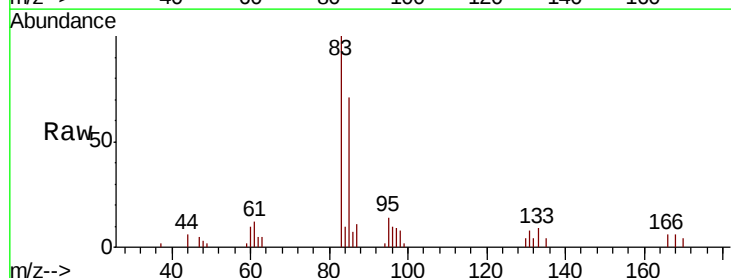
Tgt Ion: 83 Resp: 11180

Ion Ratio Lower Upper

83 100

85 70.8 46.1 85.7

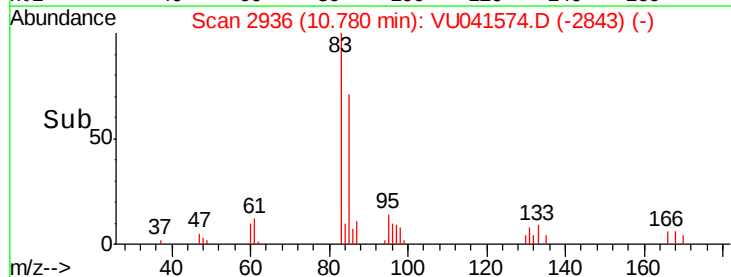
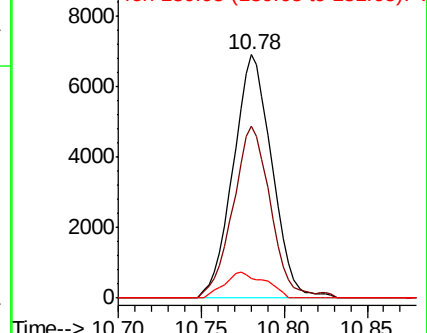
131 7.9 7.8 11.6

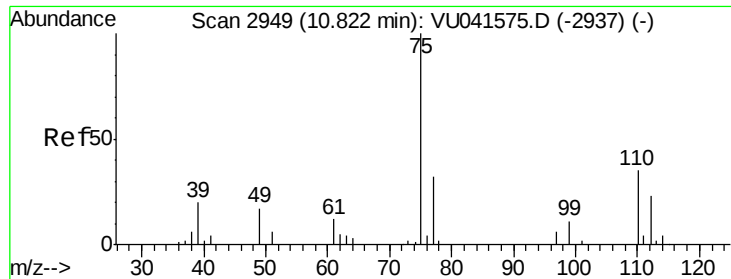


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

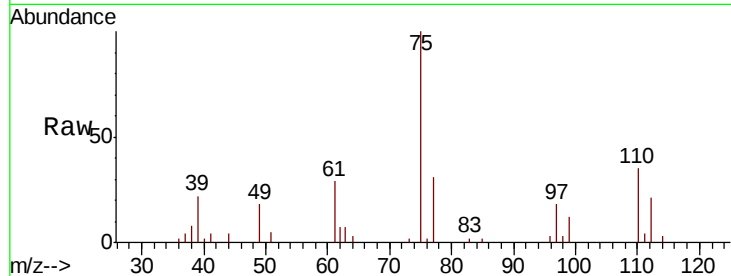
VSTD00102

Tot Ion: 75 Resp: 8536

Ion Ratio Lower Upper

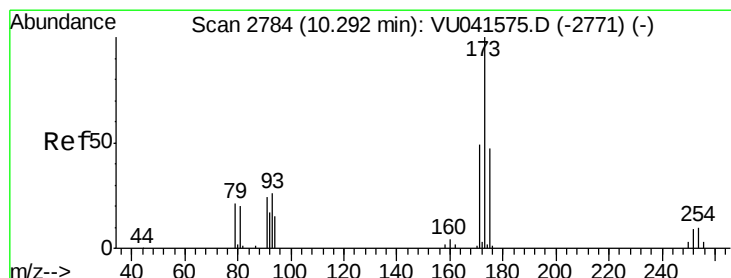
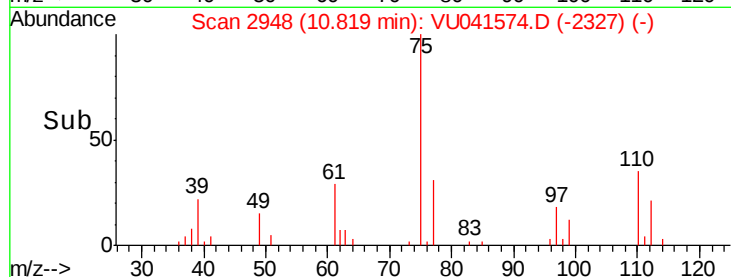
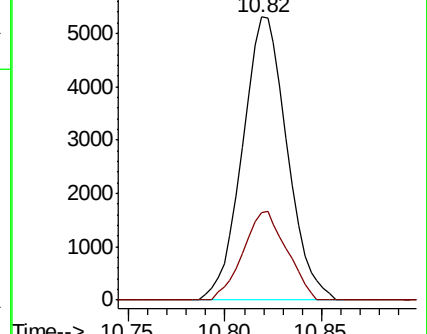
75 100

77 30.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041575.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041575.D (-2937) (-)



#61

Bromoform

Concen: 0.819 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

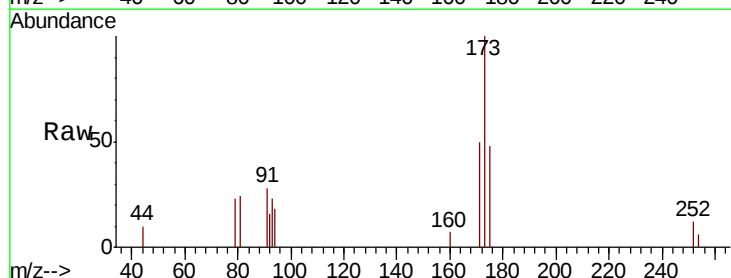
Tgt Ion: 173 Resp: 5066

Ion Ratio Lower Upper

173 100

175 49.7 37.3 55.9

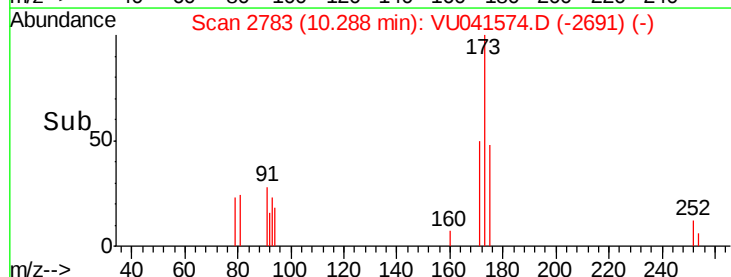
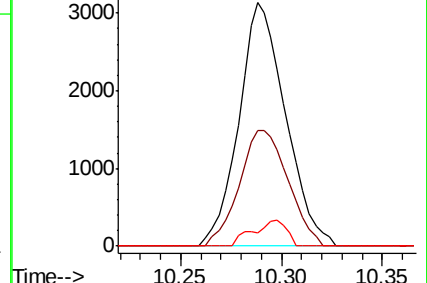
254 7.6 7.4 11.2

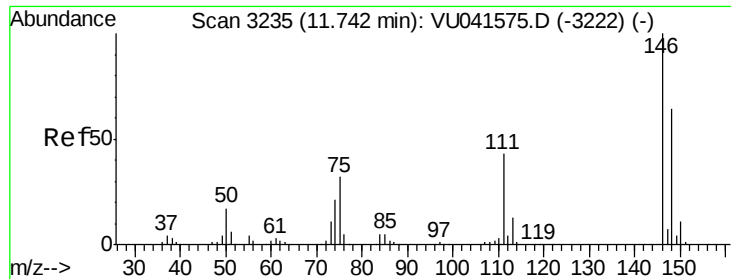


Abundance Ion 172.90 (172.60 to 173.60): VU041575.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041575.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041575.D (-2771) (-)

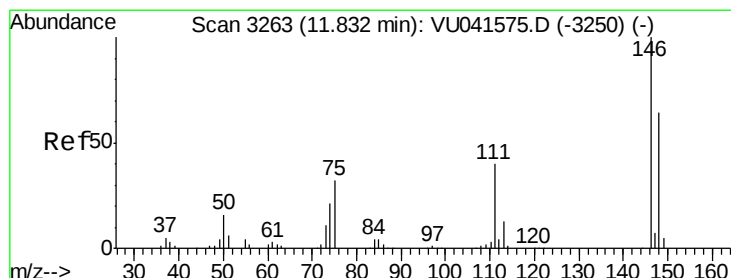
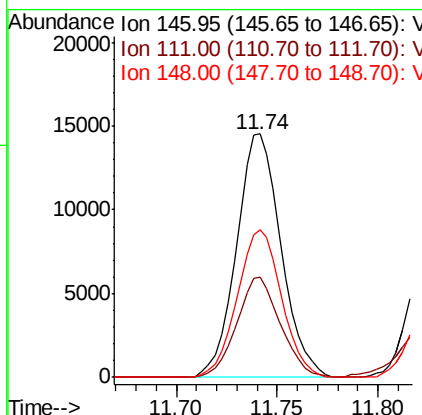
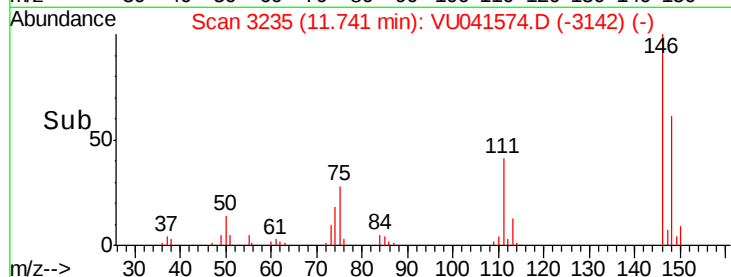
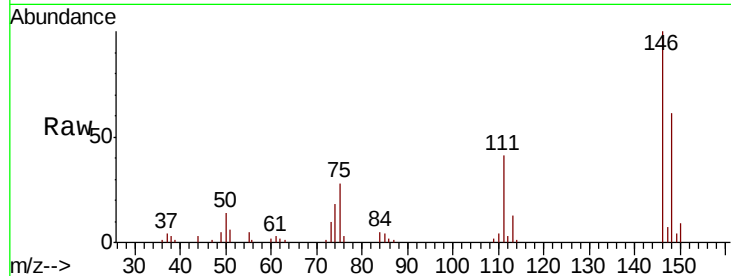




#62
 1,3-Dichlorobenzene
 Concen: 0.925 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

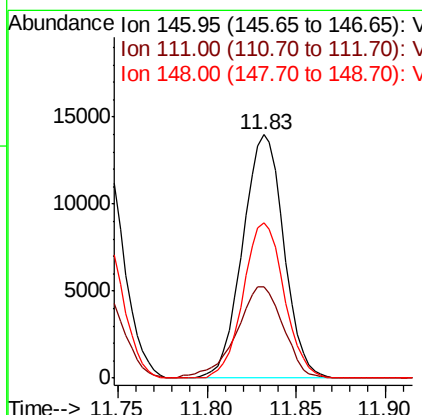
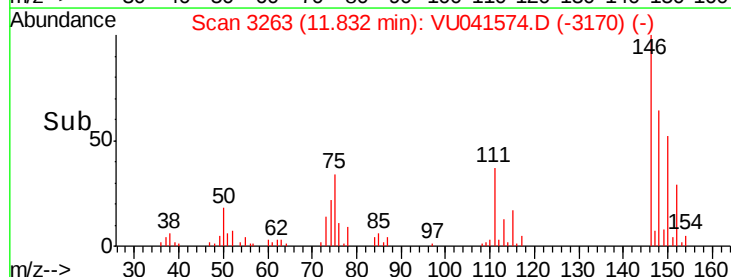
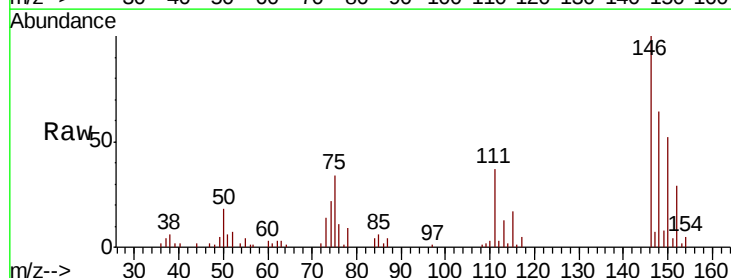
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

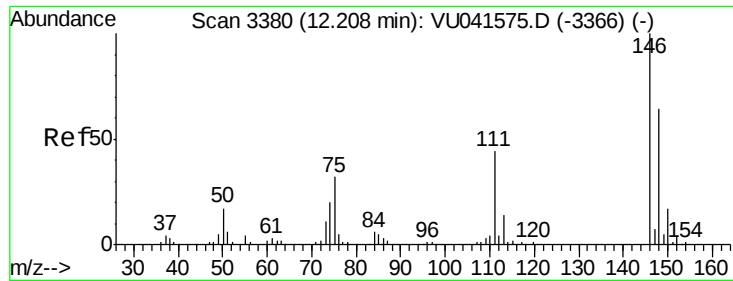
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	30.0	55.8
148	60.8	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 0.914 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	27.9	51.9
148	63.9	45.0	83.6

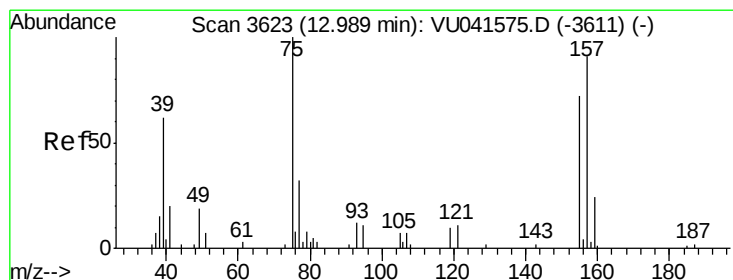
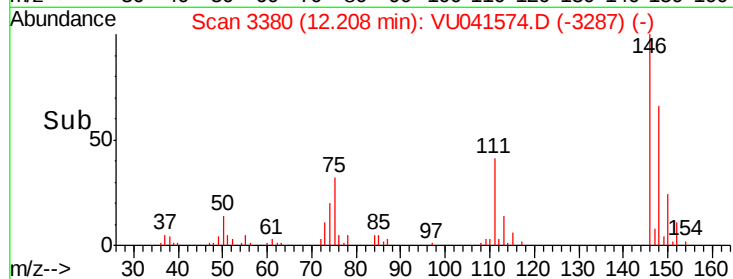
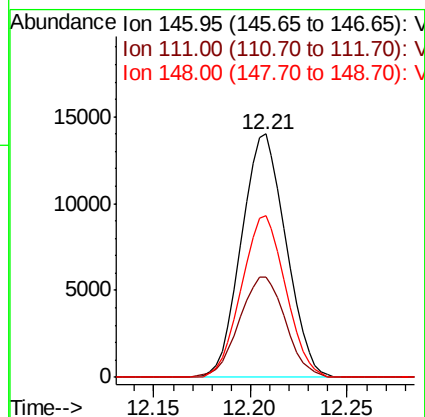
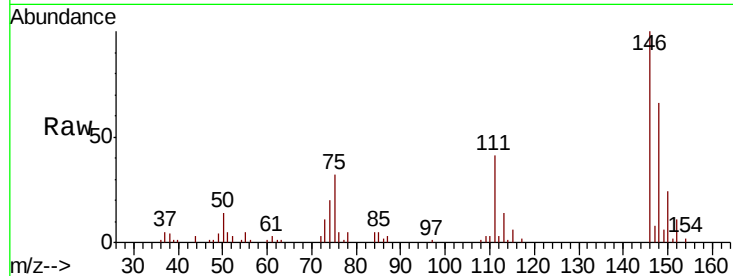




#65
 1,2-Dichlorobenzene
 Concen: 0.961 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

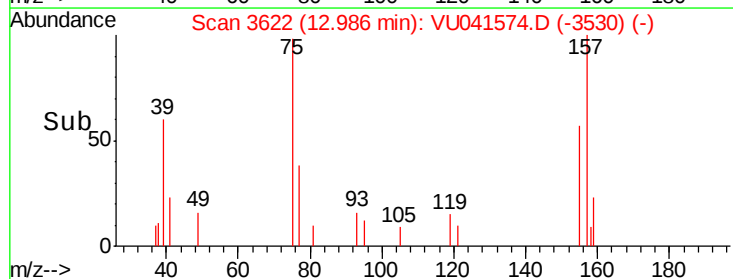
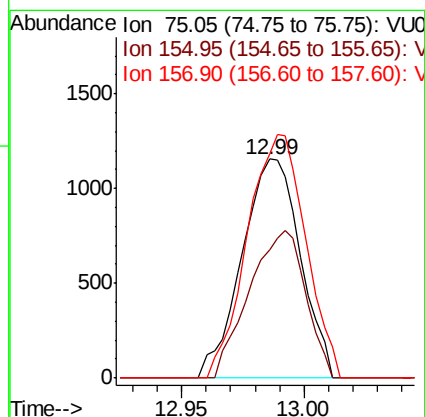
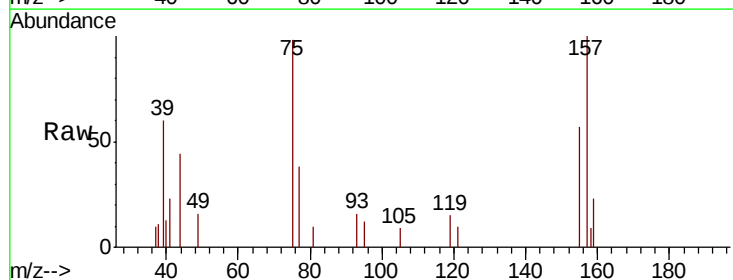
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

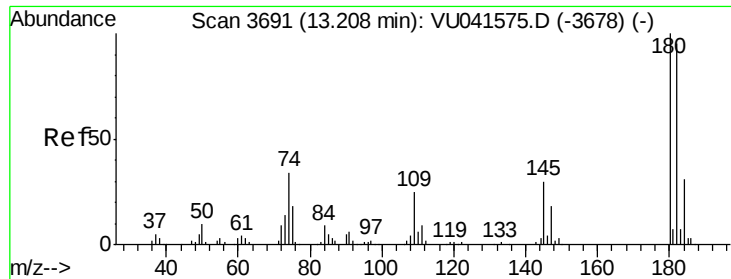
Tot Ion:146 Resp: 22419
 Ion Ratio Lower Upper
 146 100
 111 41.3 35.0 52.6
 148 66.3 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.841 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion: 75 Resp: 1913
 Ion Ratio Lower Upper
 75 100
 155 58.6 57.4 86.0
 157 102.5 72.4 108.6

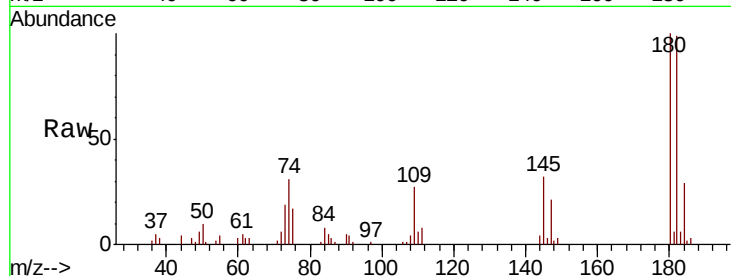




#67
 1,3,5-Trichlorobenzene
 Concen: 0.896 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00102

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	28.4	24.1	36.1
145	30.9	24.1	36.1



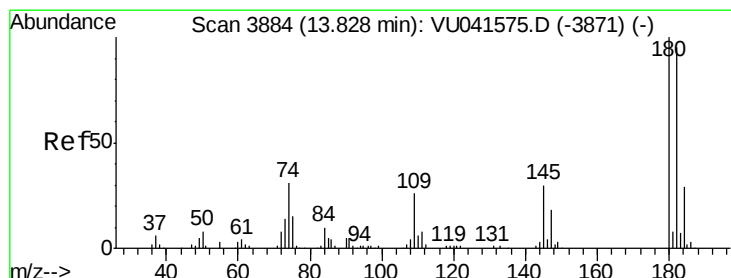
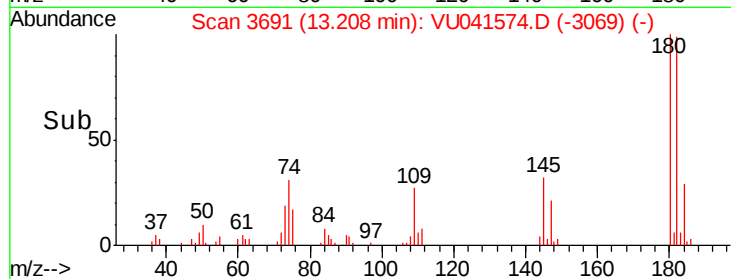
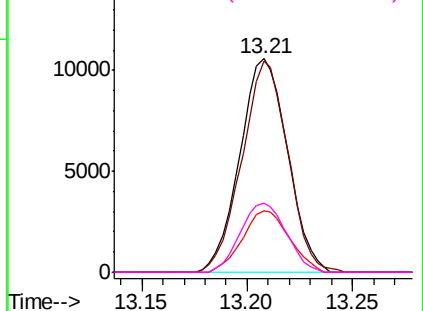
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

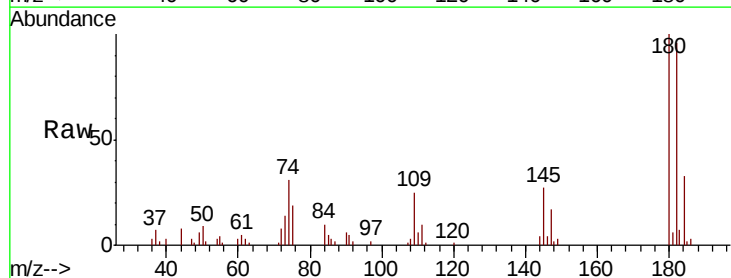
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.745 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041574.D
 Acq: 12 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	75.4	113.0
145	29.4	24.5	36.7

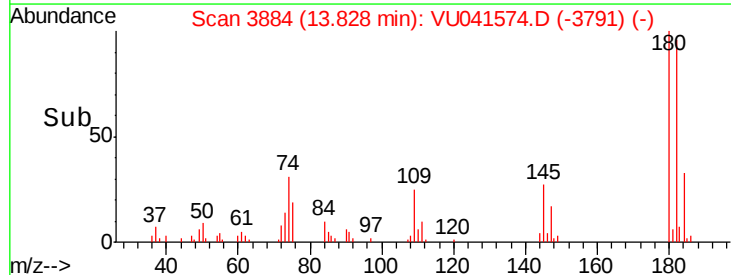
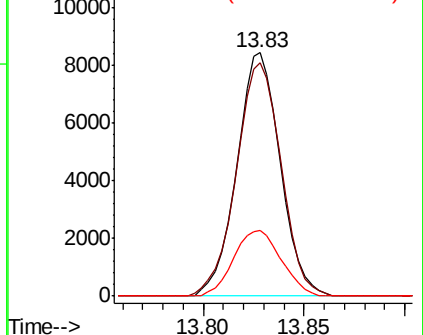


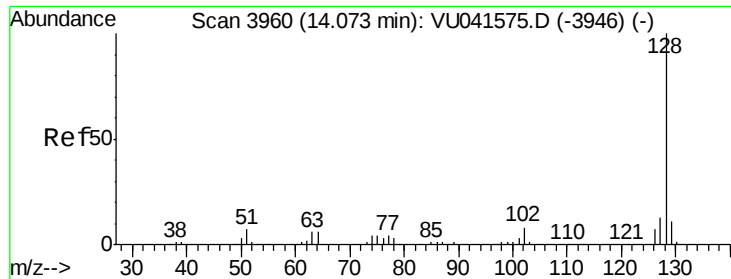
Abundance

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





#69

Naphthalene

Concen: 0.734 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00102

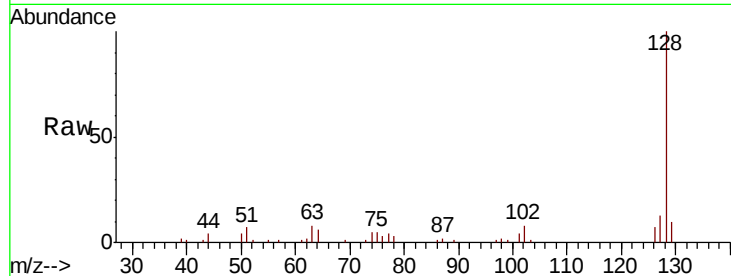
Tot Ion:128 Resp: 24887

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

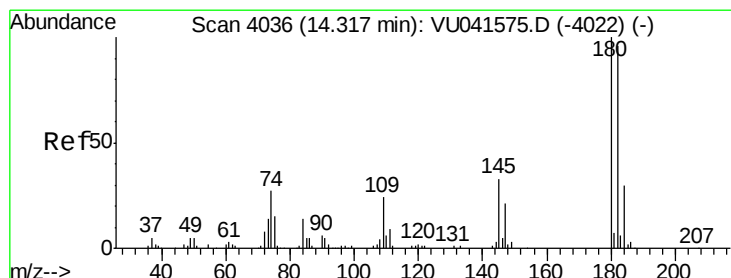
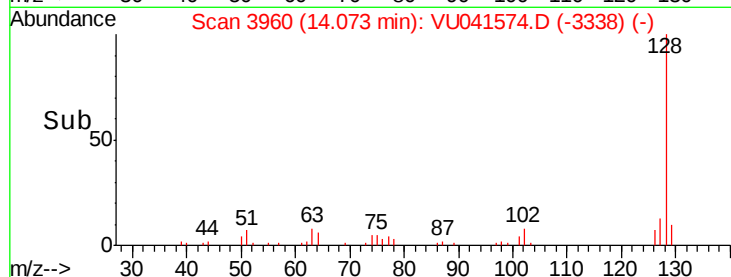
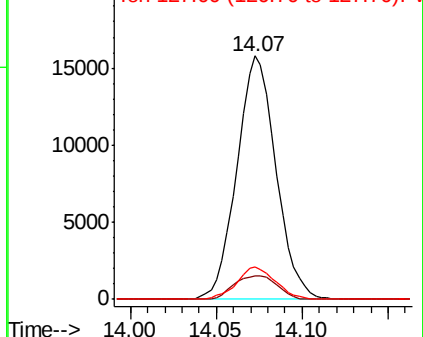
127 12.8 10.2 15.4



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



#70

1,2,3-Trichlorobenzene

Concen: 0.726 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041574.D

Acq: 12 Dec 2020 17:51

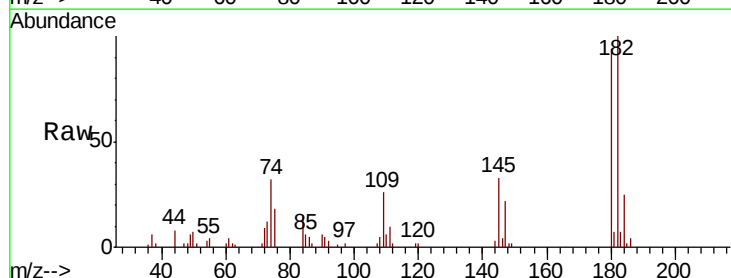
Tgt Ion:180 Resp: 11577

Ion Ratio Lower Upper

180 100

182 100.7 77.0 115.4

145 35.9 26.4 39.6



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

