

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
 Data File : VU041461.D
 Acq On : 04 Dec 2020 10:05
 Operator : SY/MD
 Sample : VSTD00101
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Quant Time: Dec 05 04:55:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 04:54:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56187	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53615	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	2600	0.84	ug/L	0.00
7) Chloroethane-d5	1.92	69	2428	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	6415	0.86	ug/L	0.00
20) 2-Butanone-d5	4.66	46	9176	8.54	ug/L	0.00
24) Chloroform-d	5.08	84	7375	0.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5018	0.93	ug/L	0.00
32) Benzene-d6	5.74	84	11305	0.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	2938	0.83	ug/L	0.00
41) Toluene-d8	7.90	98	10662	0.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1915	0.93	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	7675	9.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3699	0.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	4307	0.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4444	0.786 ug/L	99
3) Chloromethane	1.53	50	2926	0.812 ug/L	96
5) Vinyl chloride	1.61	62	3681	0.904 ug/L	86
6) Bromomethane	1.87	94	2329	0.832 ug/L	94
8) Chloroethane	1.94	64	2800	1.015 ug/L	89
9) Trichlorofluoromethane	2.15	101	7727	0.852 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3828	1.008 ug/L	90
12) 1,1-Dichloroethene	2.59	96	2907	0.867 ug/L	94
13) Acetone	2.67	43	4669	5.594 ug/L	87
14) Carbon disulfide	2.81	76	9665	1.020 ug/L	100
15) Methyl Acetate	2.97	43	1253	0.725 ug/L #	74
16) Methylene chloride	3.06	84	4503	0.933 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	8521	0.806 ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	3077	0.880 ug/L	96
19) 1,1-Dichloroethane	3.89	63	5506	0.821 ug/L	95
21) 2-Butanone	4.74	43	10216	9.310 ug/L	91
22) cis-1,2-Dichloroethene	4.68	96	3189	0.828 ug/L	90
23) Bromochloromethane	4.99	128	1725	0.875 ug/L #	89
25) Chloroform	5.11	83	7025	0.843 ug/L	93
27) 1,2-Dichloroethane	5.81	62	5535	0.857 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	7355	0.919 ug/L	94
30) Cyclohexane	5.40	56	4026	0.833 ug/L	92
31) Carbon tetrachloride	5.54	117	6551	0.908 ug/L	97
33) Benzene	5.79	78	11571	0.829 ug/L	100
34) Trichloroethene	6.56	95	3645	0.884 ug/L	89
35) Methylcyclohexane	6.77	83	4737	0.870 ug/L	97
37) 1,2-Dichloropropane	6.80	63	2822	0.808 ug/L #	84
38) Bromodichloromethane	7.12	83	4978	0.830 ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	4901	0.859 ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	21919	8.558 ug/L	98

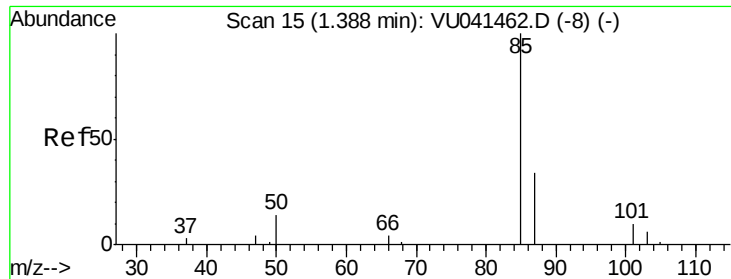
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120420\
 Data File : VU041461.D
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	13167	0.860	ug/L	93
44) trans-1,3-Dichloropropene	8.21	75	4629	0.777	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	2889	0.955	ug/L	95
47) Tetrachloroethene	8.56	164	2873	0.924	ug/L	92
48) 2-Hexanone	8.69	43	17669	8.958	ug/L	99
49) Dibromochloromethane	8.81	129	3604	0.855	ug/L	94
50) 1,2-Dibromoethane	8.93	107	2610	0.875	ug/L #	96
51) Chlorobenzene	9.45	112	8964	0.860	ug/L	97
52) Ethylbenzene	9.57	91	14781	0.828	ug/L	96
53) m,p-Xylene	9.69	106	5195	0.795	ug/L	97
54) o-Xylene	10.10	106	4889	0.795	ug/L	92
55) Styrene	10.11	104	8443	0.764	ug/L	94
56) Isopropylbenzene	10.48	105	14105	0.797	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	3319	0.866	ug/L	92
59) 1,2,3-Trichloropropane	10.82	75	2866	0.899	ug/L	95
61) Bromoform	10.29	173	2269	0.907	ug/L #	91
62) 1,3-Dichlorobenzene	11.74	146	7352	0.857	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	7586	0.879	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	7378	0.881	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	779	0.948	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	5856	0.883	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	4171	0.777	ug/L	95
69) Naphthalene	14.08	128	5510	0.618	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	3544	0.712	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.786 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampled :

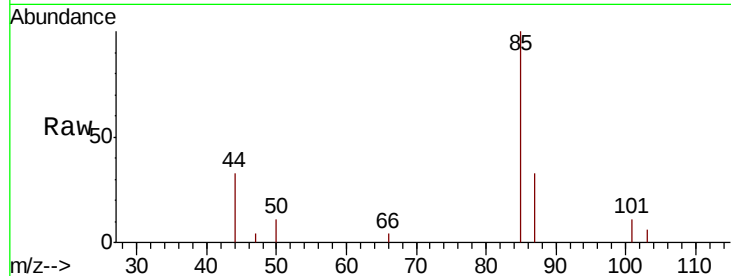
VSTD00101

Tot Ion: 85 Resp: 4444

Ion Ratio Lower Upper

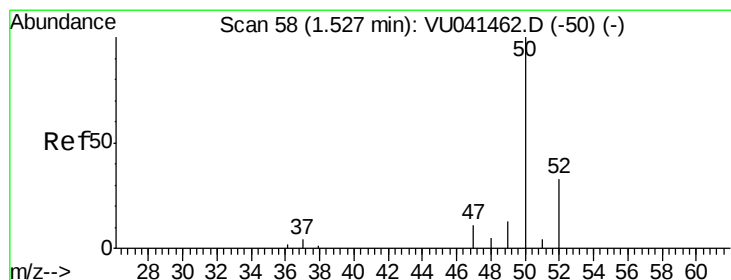
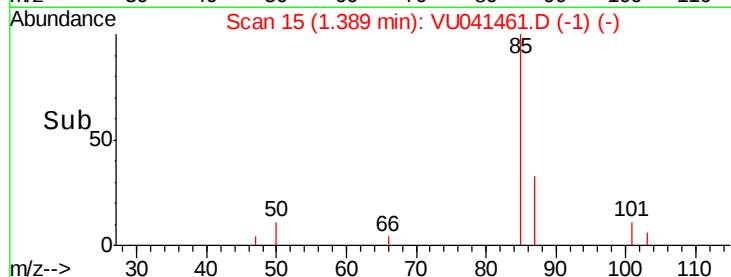
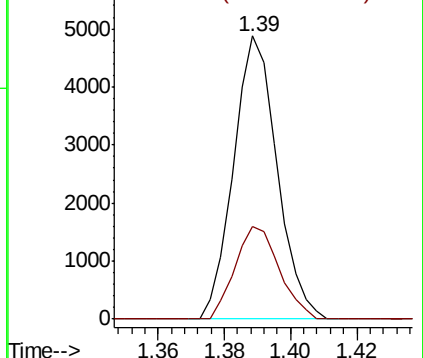
85 100

87 33.1 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.812 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041461.D

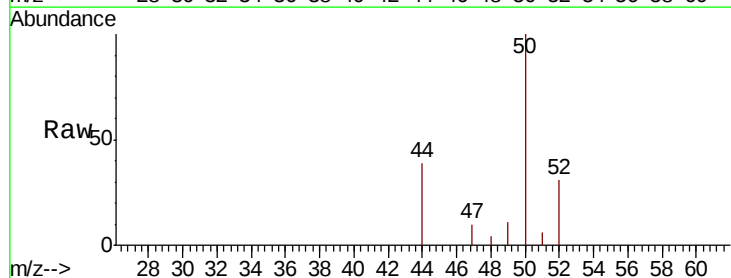
Acq: 04 Dec 2020 10:05

Tgt Ion: 50 Resp: 2926

Ion Ratio Lower Upper

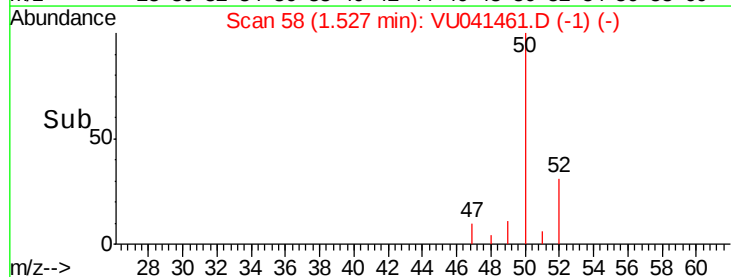
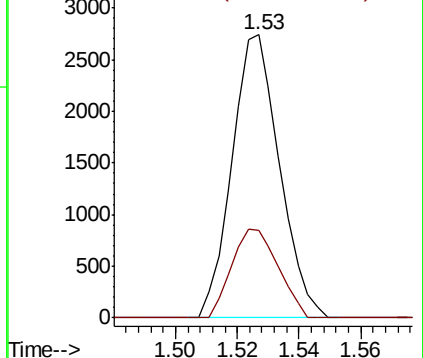
50 100

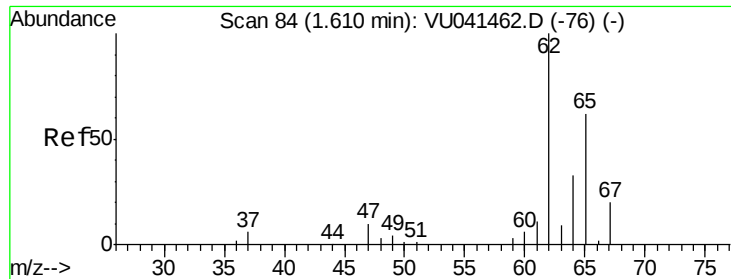
52 31.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.904 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

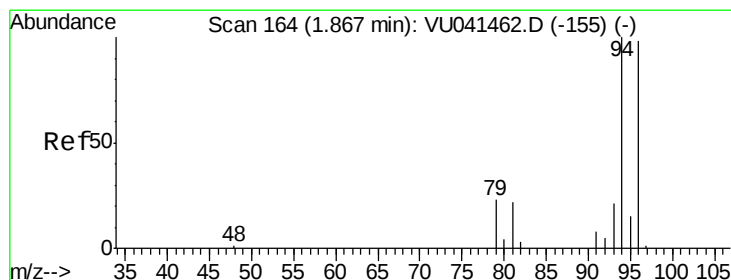
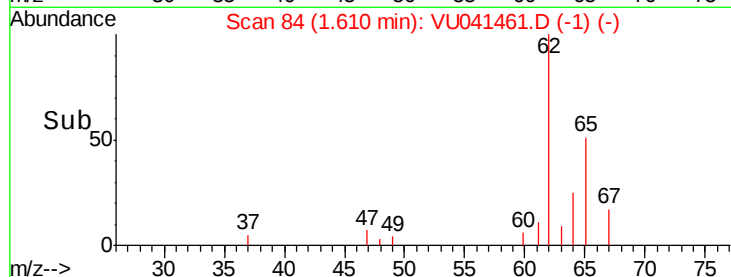
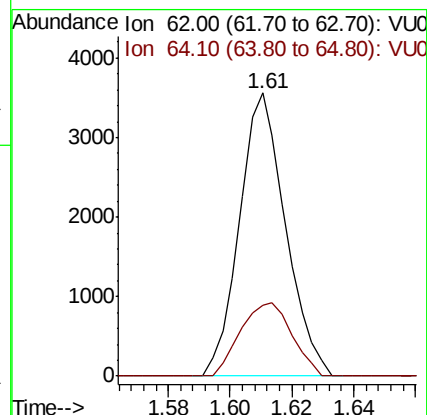
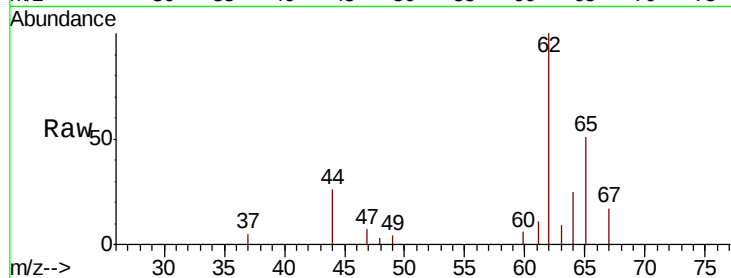
VSTD00101

Tot Ion: 62 Resp: 3681

Ion Ratio Lower Upper

62 100

64 25.2 23.0 42.8



#6

Bromomethane

Concen: 0.832 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041461.D

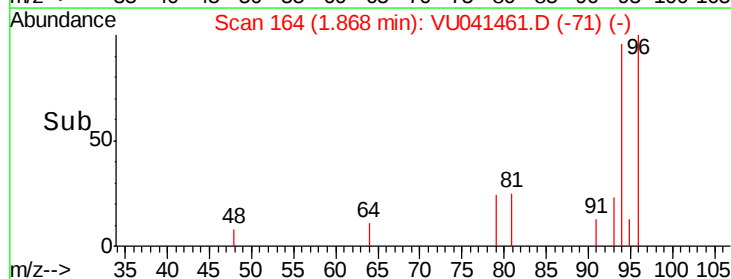
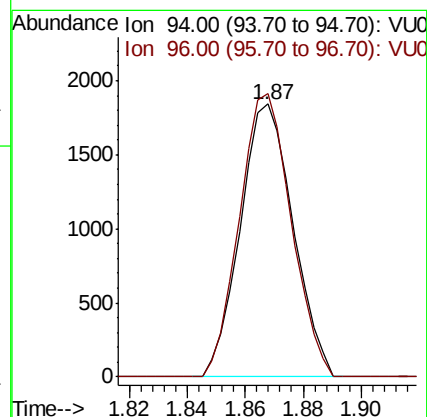
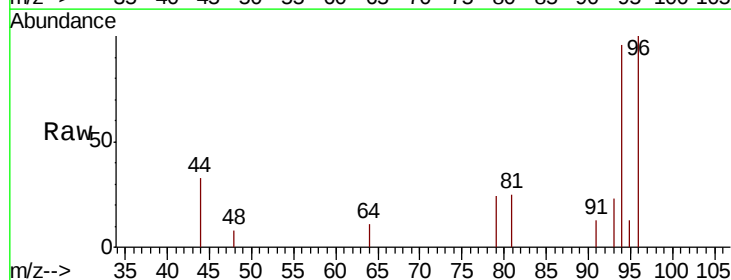
Acq: 04 Dec 2020 10:05

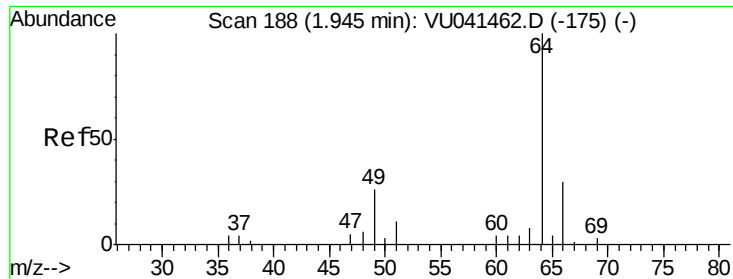
Tgt Ion: 94 Resp: 2329

Ion Ratio Lower Upper

94 100

96 103.8 68.5 127.1

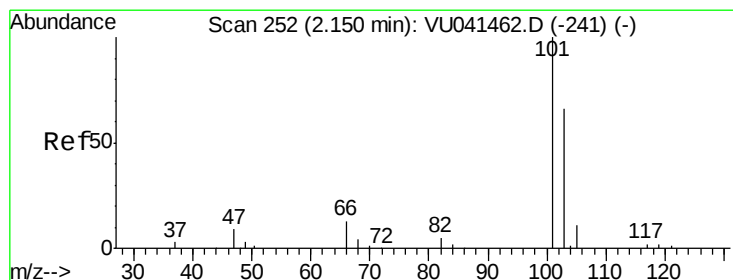
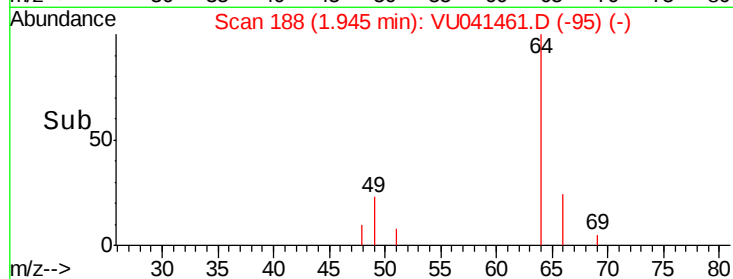
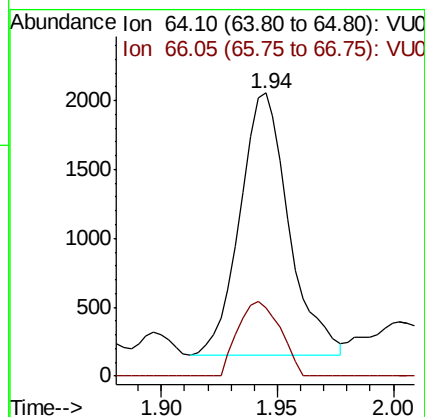
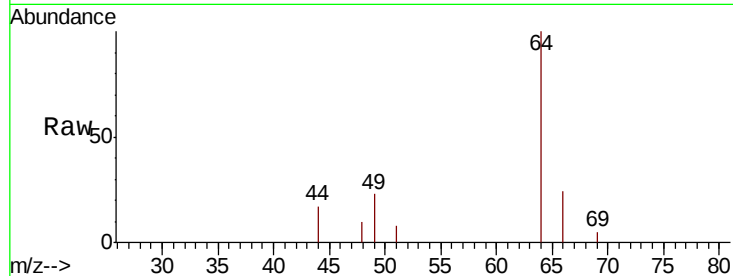




#8
Chloroethane
Concen: 1.015 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

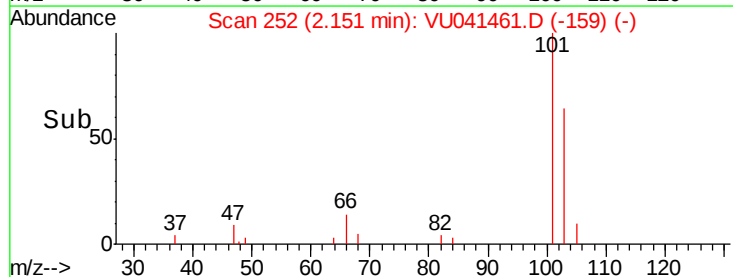
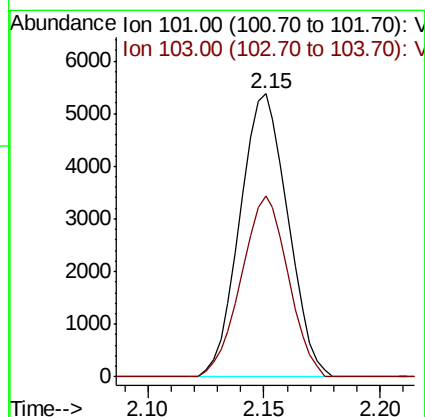
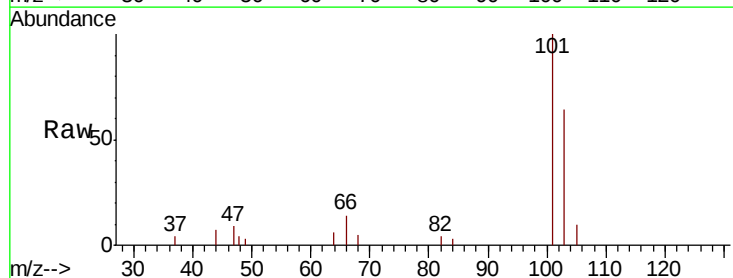
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

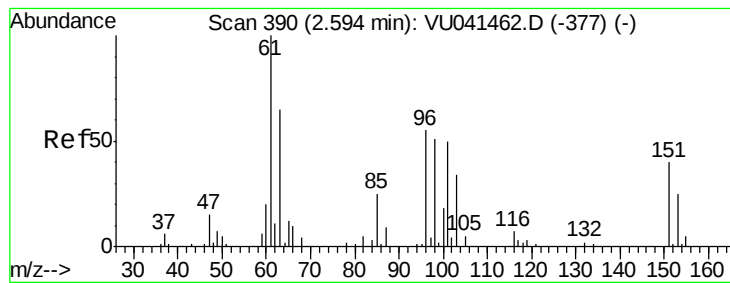
Tot Ion: 64 Resp: 2800
Ion Ratio Lower Upper
64 100
66 24.0 20.9 38.9



#9
Trichlorofluoromethane
Concen: 0.852 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion: 101 Resp: 7727
Ion Ratio Lower Upper
101 100
103 62.7 51.4 77.0





#10

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

Concen: 1.008 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

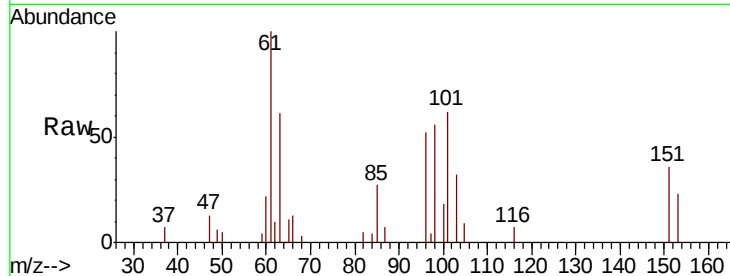
Tot Ion:101 Resp: 3828

Ion Ratio Lower Upper

101 100

85 46.7 39.4 59.2

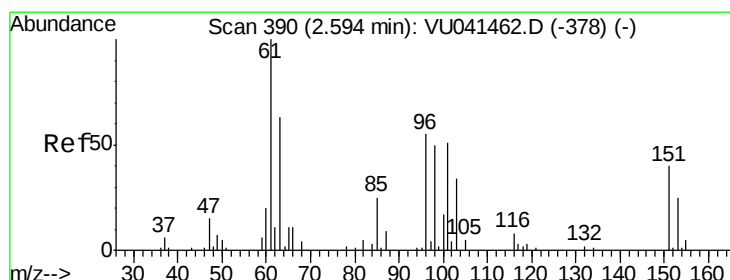
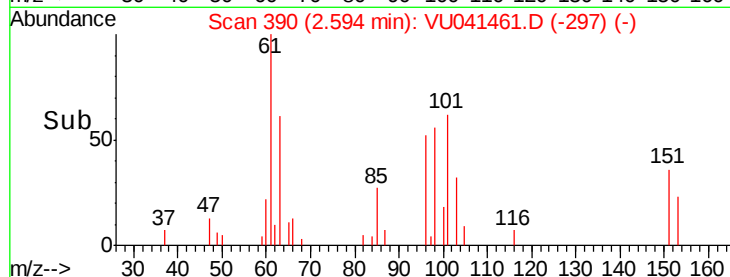
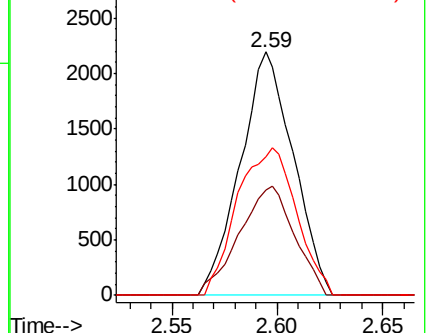
151 67.9 63.8 95.8



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: 0.867 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

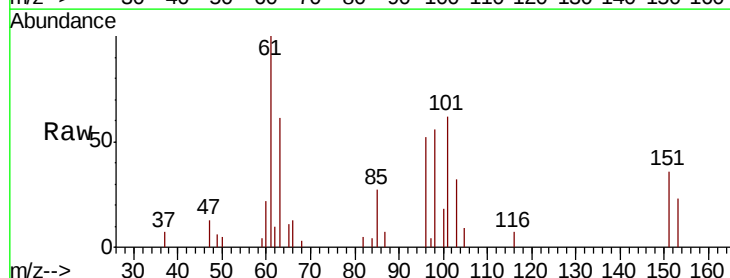
Tgt Ion: 96 Resp: 2907

Ion Ratio Lower Upper

96 100

61 191.4 127.8 237.4

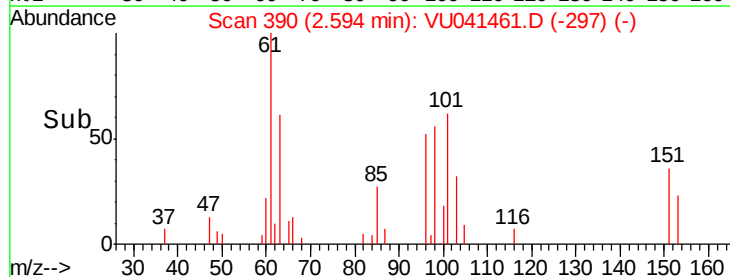
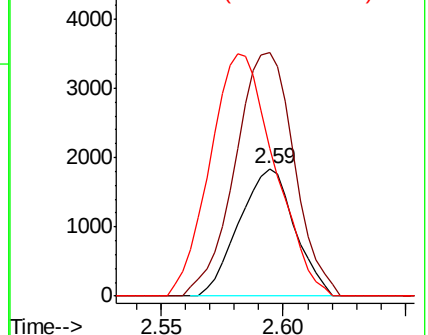
63 116.4 86.2 160.0

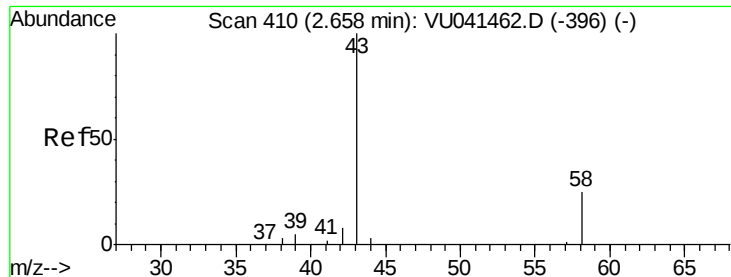


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.594 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

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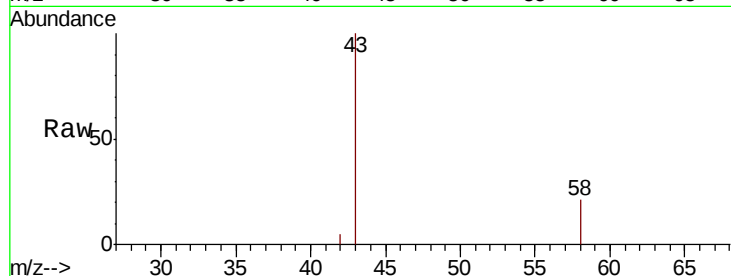
VSTD00101

Tot Ion: 43 Resp: 4669

Ion Ratio Lower Upper

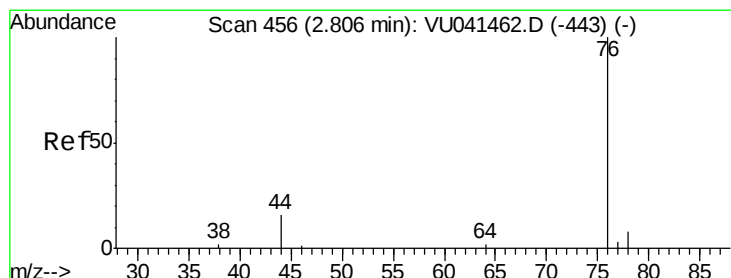
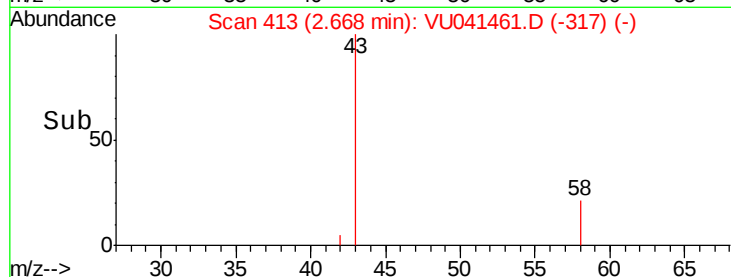
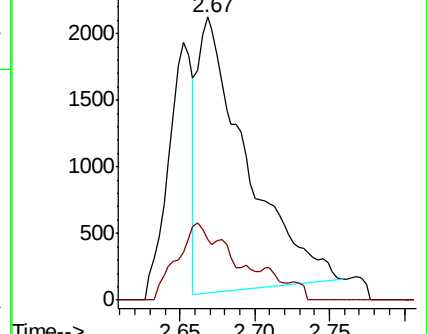
43 100

58 18.7 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041461.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041461.D (-317) (-)



#14

Carbon disulfide

Concen: 1.020 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041461.D

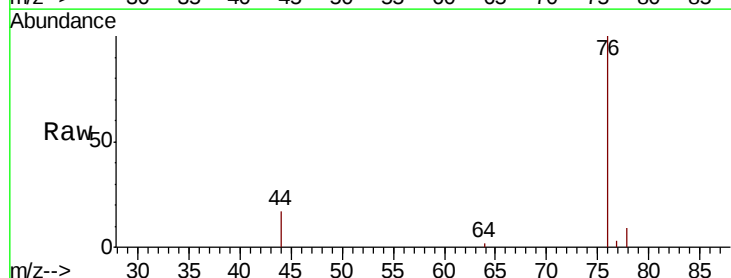
Acq: 04 Dec 2020 10:05

Tgt Ion: 76 Resp: 9665

Ion Ratio Lower Upper

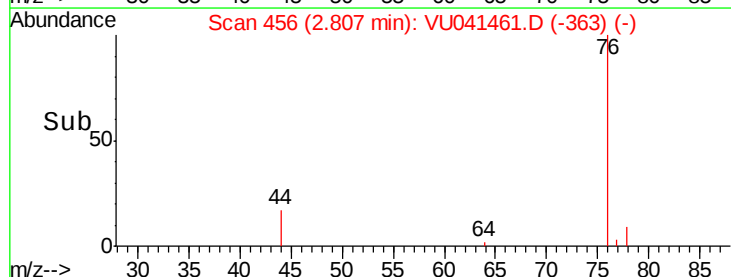
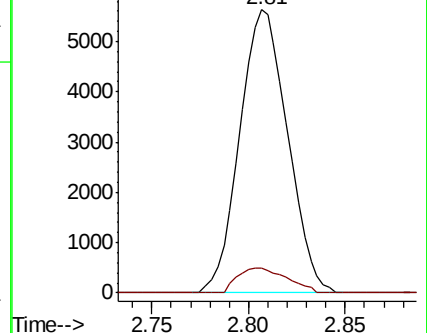
76 100

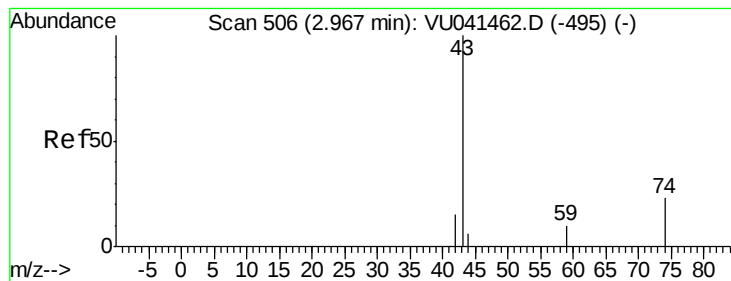
78 8.6 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041461.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041461.D (-363) (-)





#15

Methyl Acetate

Concen: 0.725 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

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MSVOA_U

ClientSampleId :

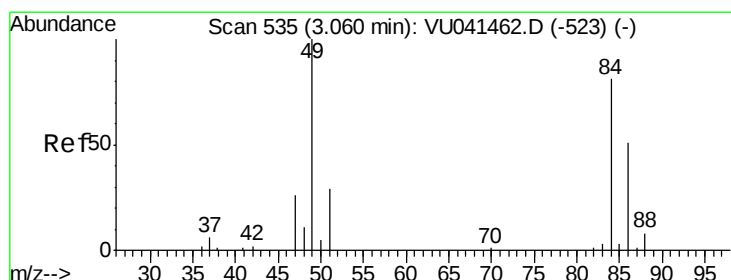
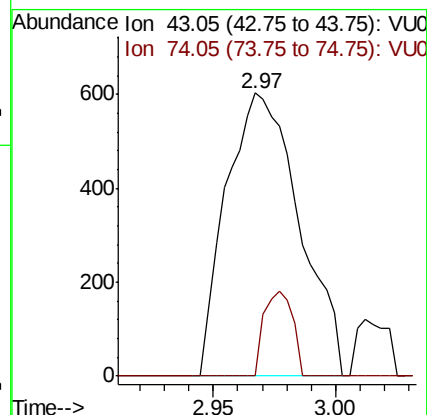
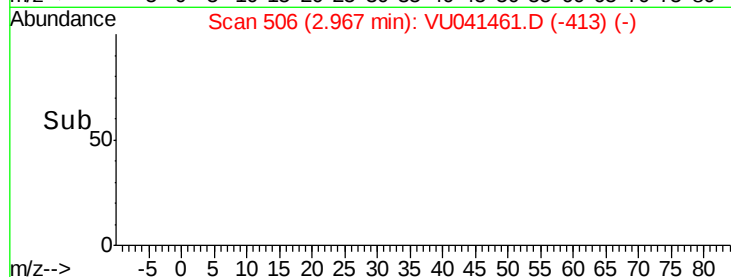
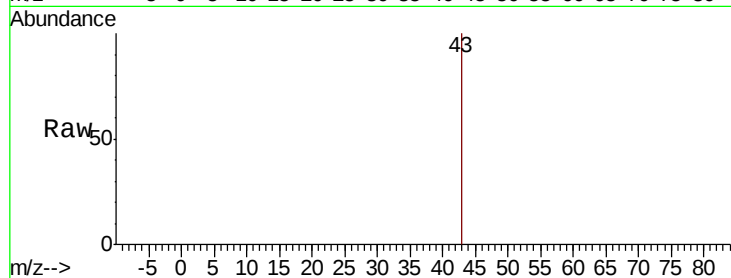
VSTD00101

Tot Ion: 43 Resp: 1253

Ion Ratio Lower Upper

43 100

74 11.7 19.7 29.5#



#16

Methylene chloride

Concen: 0.933 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

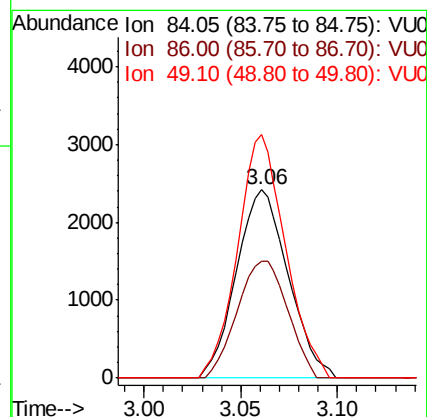
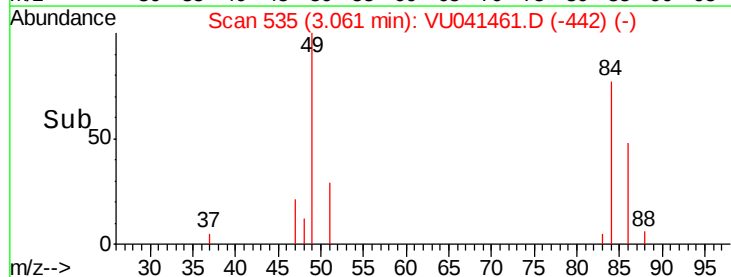
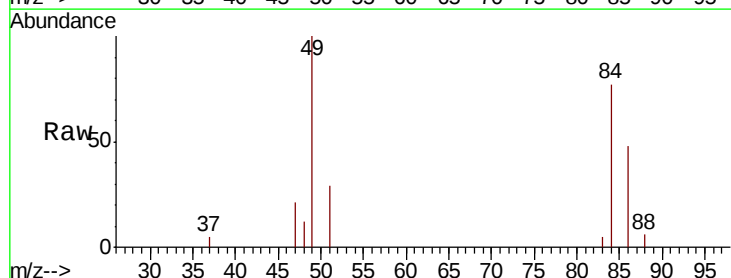
Tgt Ion: 84 Resp: 4503

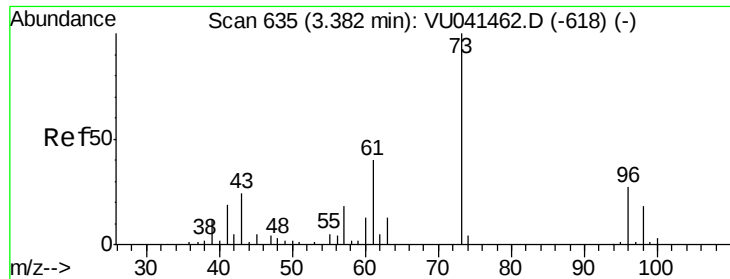
Ion Ratio Lower Upper

84 100

86 62.3 44.1 81.9

49 129.5 86.1 159.9

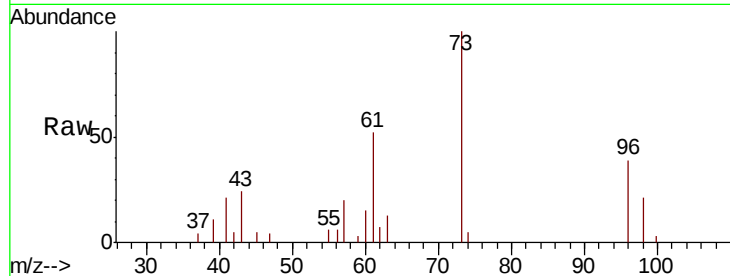




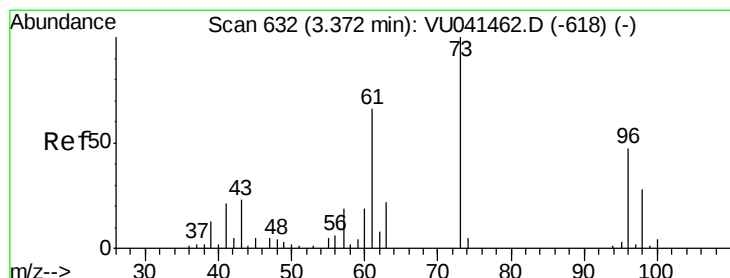
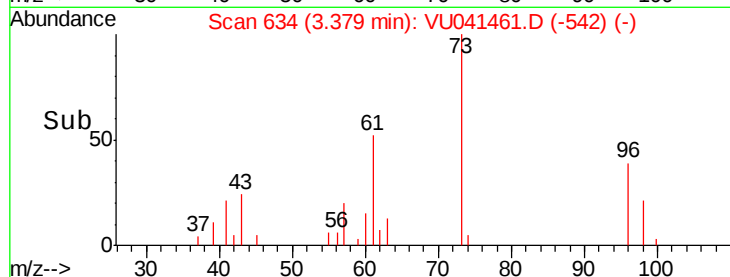
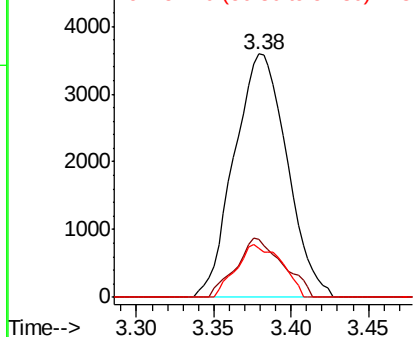
#17
Methvl tert-butvl Ether
Concen: 0.806 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion: 73 Resp: 8521
Ion Ratio Lower Upper
73 100
43 21.5 19.1 28.7
57 18.6 15.5 23.3

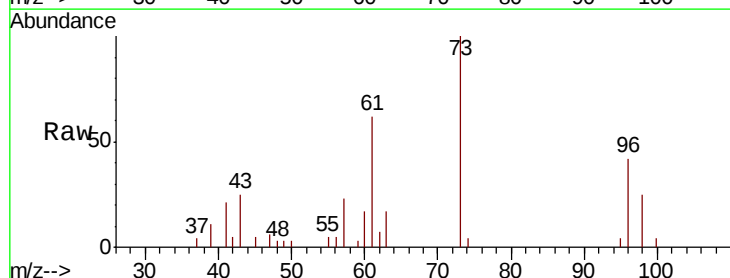


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

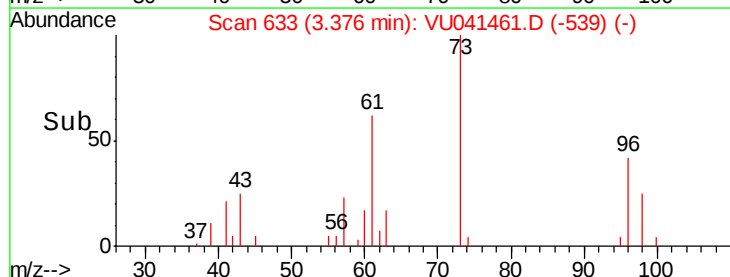
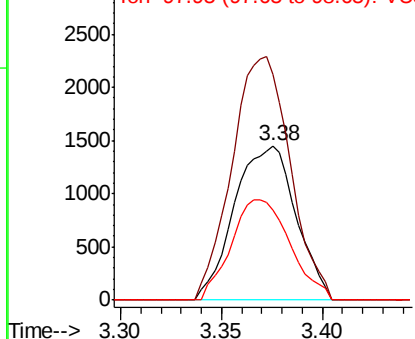


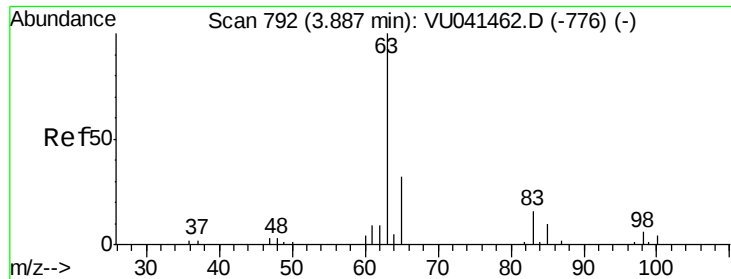
#18
trans-1,2-Dichloroethene
Concen: 0.880 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion: 96 Resp: 3077
Ion Ratio Lower Upper
96 100
61 146.8 98.8 183.4
98 58.7 41.7 77.5



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

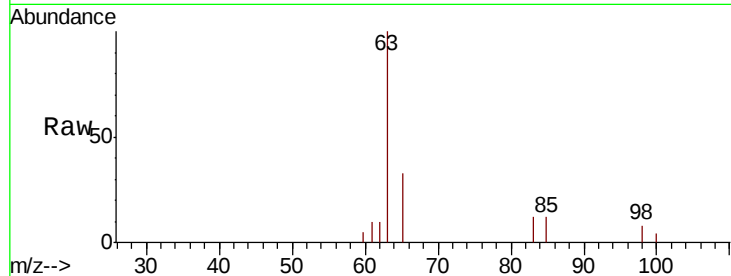




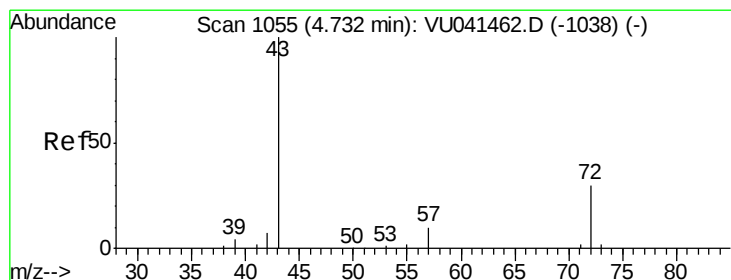
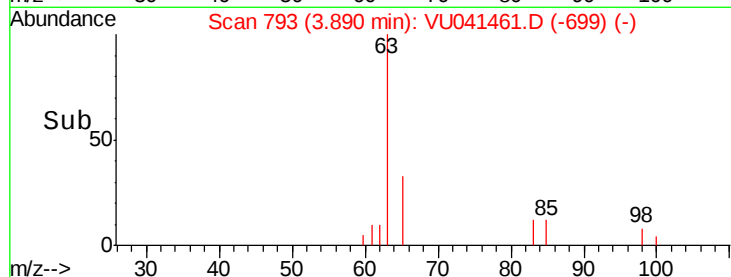
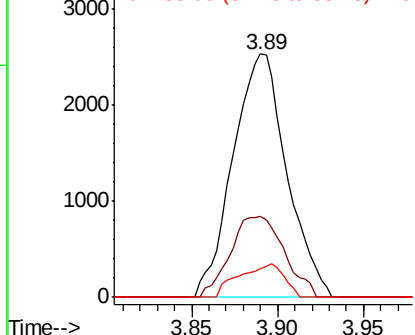
#19
 1,1-Dichloroethane
 Concen: 0.821 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tot Ion: 63 Resp: 5506
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.3 41.5
 83 11.5 11.1 20.7

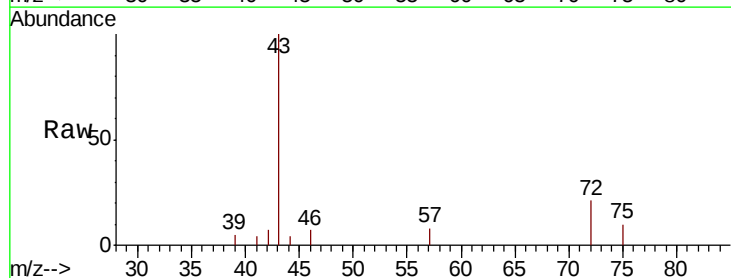


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

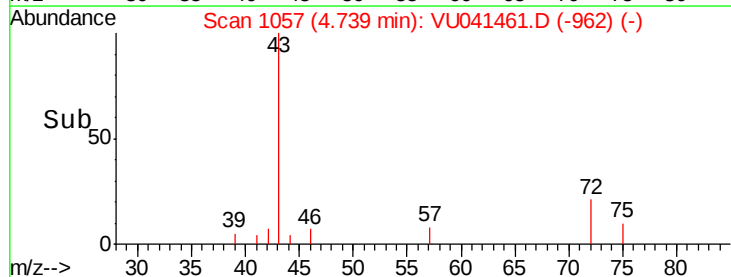
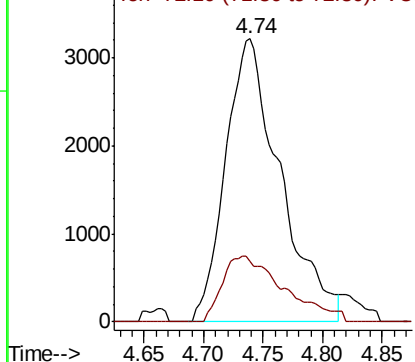


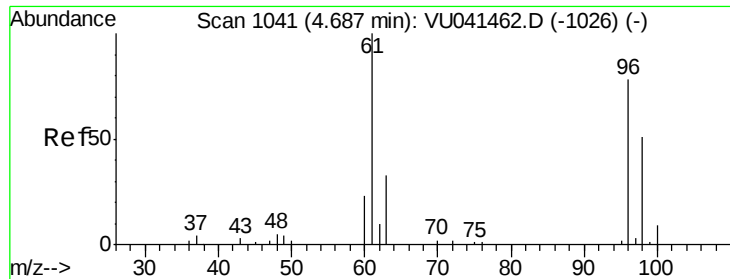
#21
 2-Butanone
 Concen: 9.310 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Tgt Ion: 43 Resp: 10216
 Ion Ratio Lower Upper
 43 100
 72 26.4 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.828 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

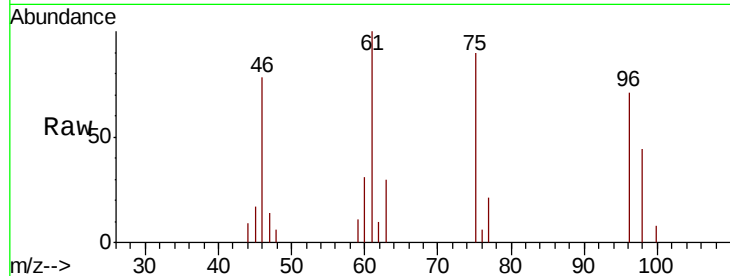
Tot Ion: 96 Resp: 3189

Ion Ratio Lower Upper

96 100

61 140.7 90.5 168.1

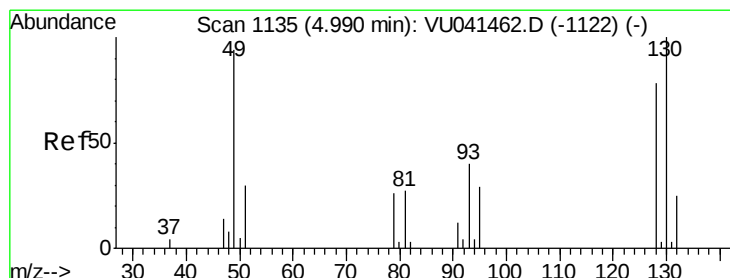
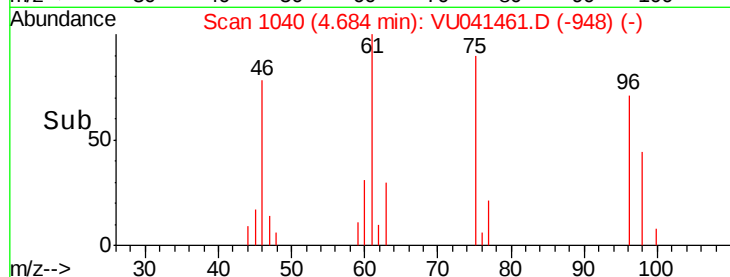
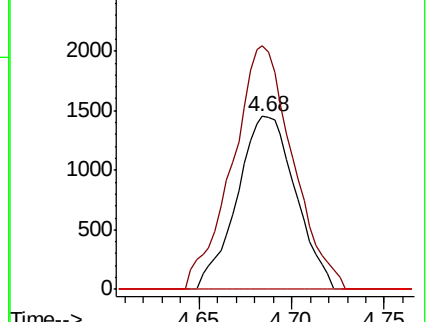
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041461.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041461.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041461.D (-948) (-)



#23

Bromochloromethane

Concen: 0.875 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Tgt Ion: 128 Resp: 1725

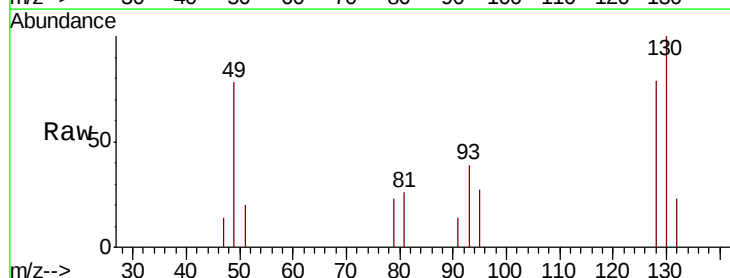
Ion Ratio Lower Upper

128 100

49 98.5 84.2 156.4

130 127.0 89.9 167.0

51 25.9 30.4 45.6#

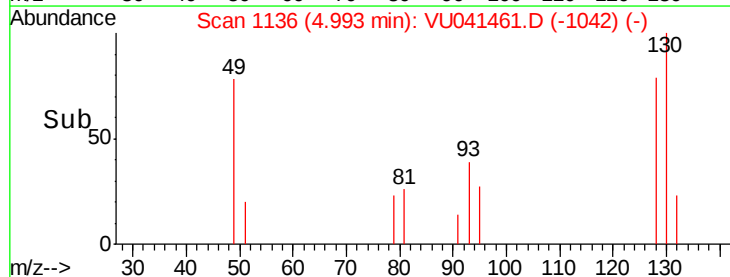
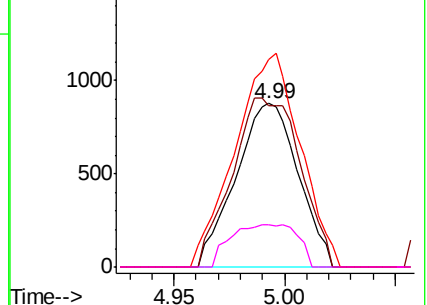


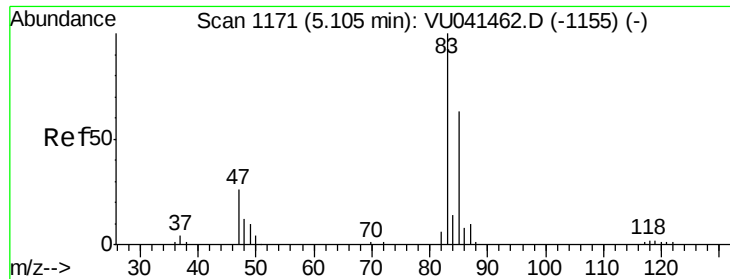
Abundance Ion 127.90 (127.60 to 128.60): VU041461.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041461.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041461.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041461.D (-1042) (-)

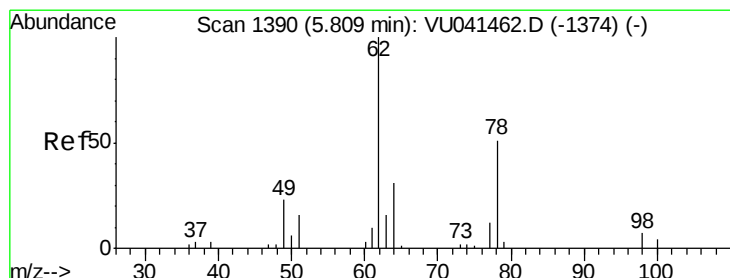
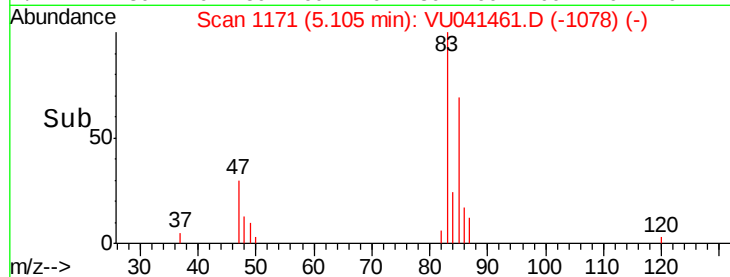
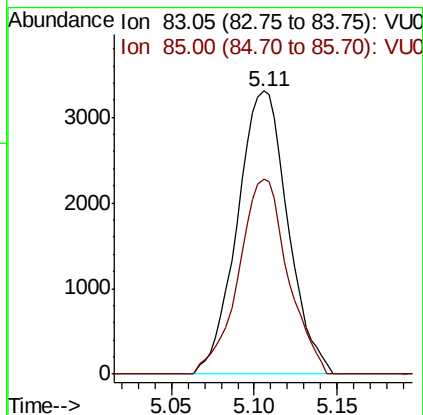
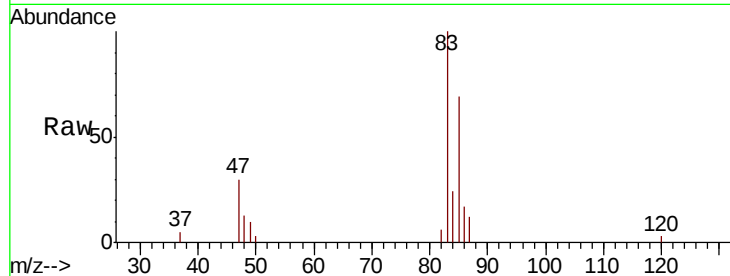




#25
Chloroform
Concen: 0.843 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

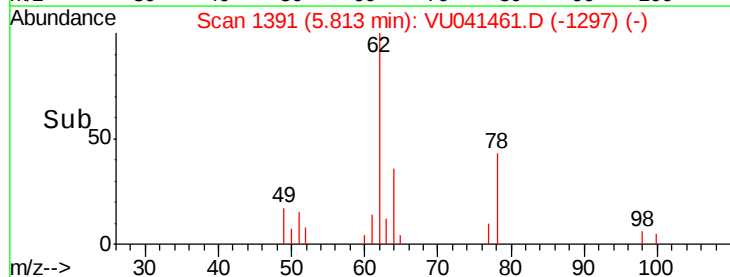
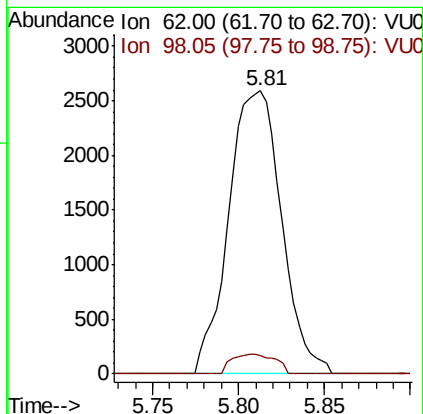
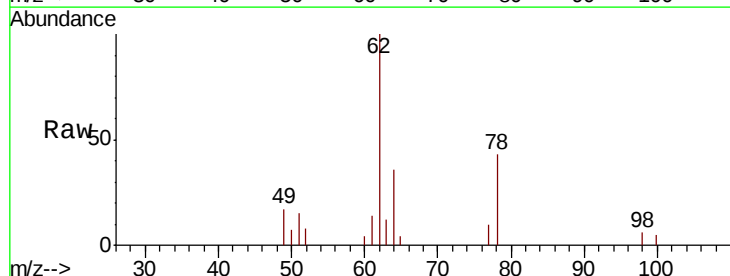
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

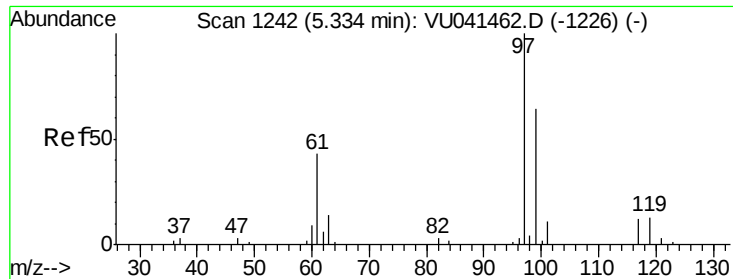
Tot Ion: 83 Resp: 7025
Ion Ratio Lower Upper
83 100
85 69.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.857 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion: 62 Resp: 5535
Ion Ratio Lower Upper
62 100
98 6.4 5.7 8.5

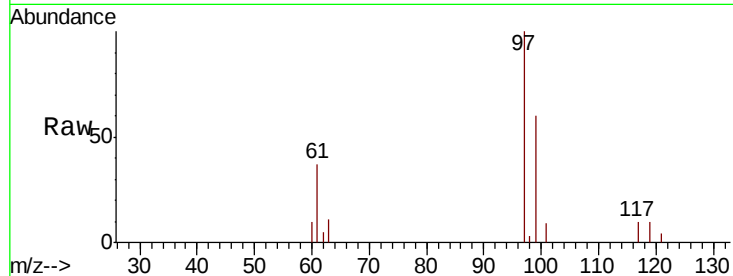




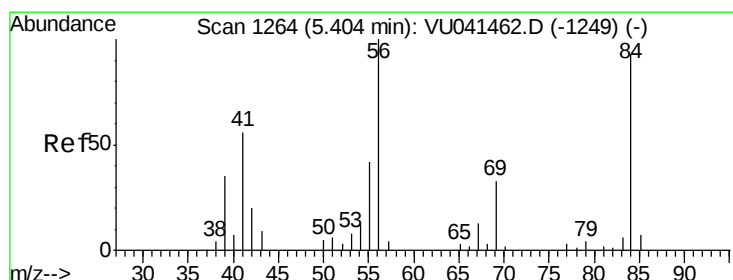
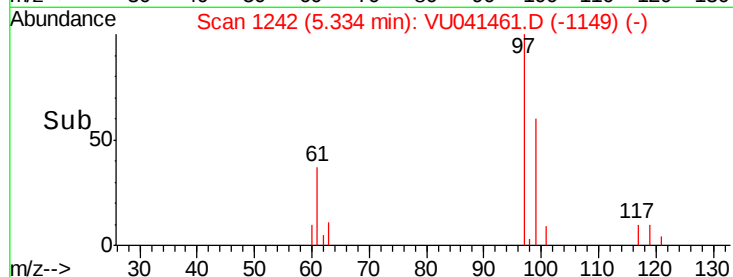
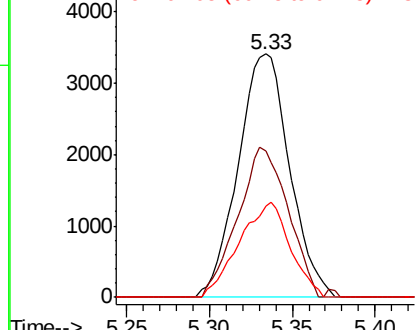
#29
1,1,1-Trichloroethane
Concen: 0.919 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion: 97 Resp: 7355
Ion Ratio Lower Upper
97 100
99 60.1 51.0 76.6
61 38.7 34.6 52.0

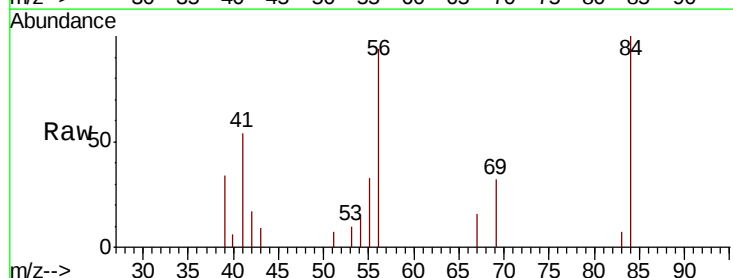


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

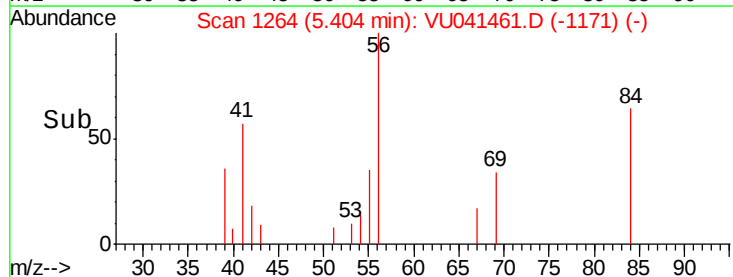
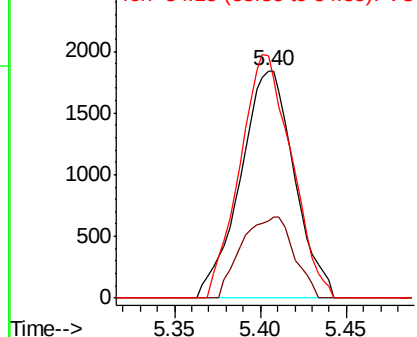


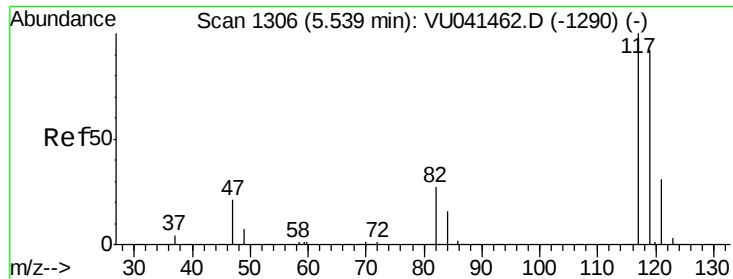
#30
Cyclohexane
Concen: 0.833 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion: 56 Resp: 4026
Ion Ratio Lower Upper
56 100
69 34.6 25.9 38.9
84 102.2 74.9 112.3



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: 0.908 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

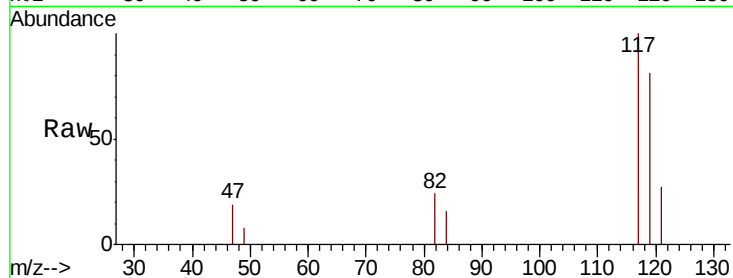
VSTD00101

Tot Ion:117 Resp: 6551

Ion Ratio Lower Upper

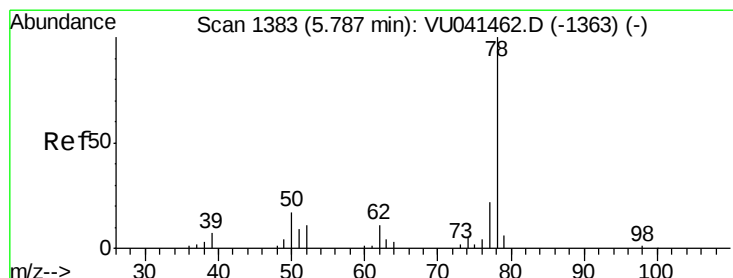
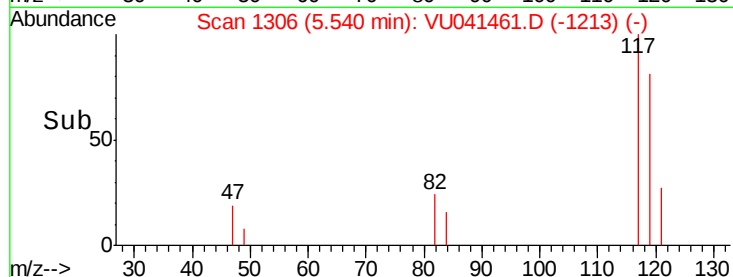
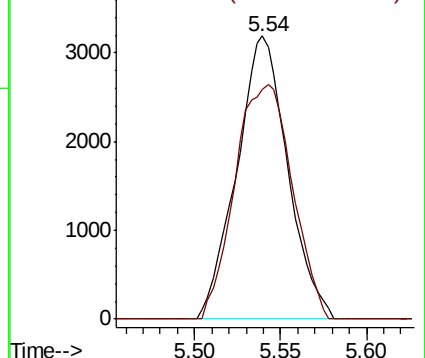
117 100

119 93.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.829 ug/L

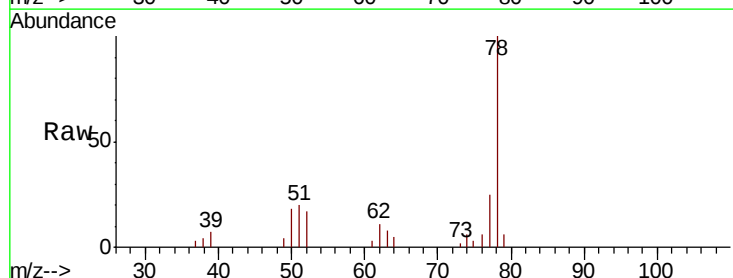
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

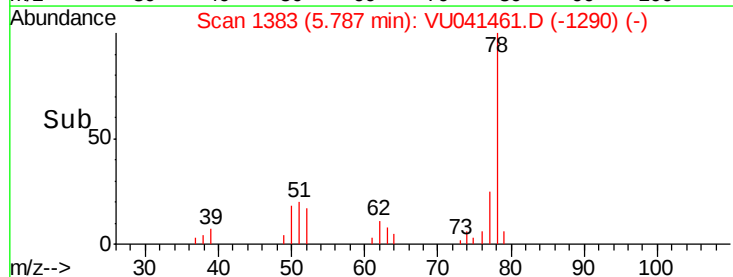
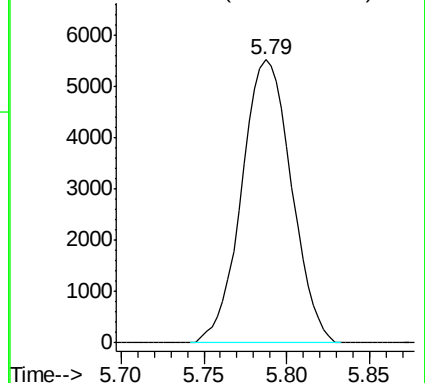
Lab File: VU041461.D

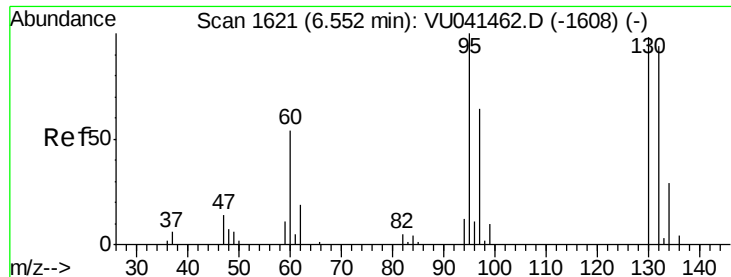
Acq: 04 Dec 2020 10:05

Tgt Ion: 78 Resp: 11571



Abundance Ion 78.10 (77.80 to 78.80): VU0

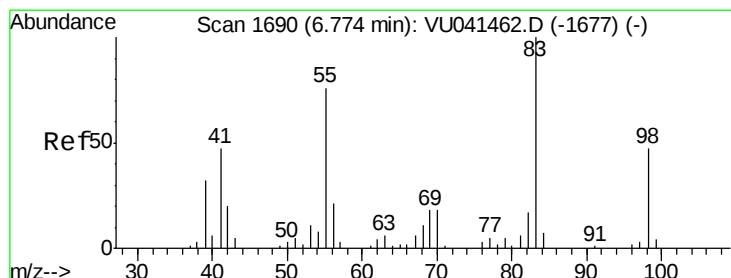
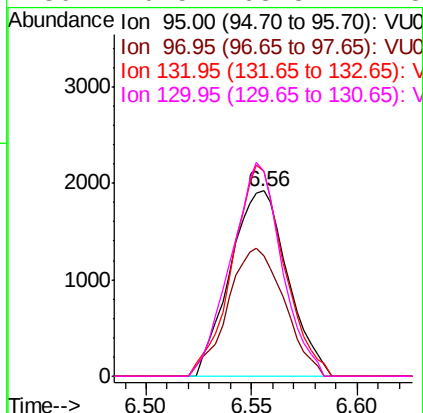
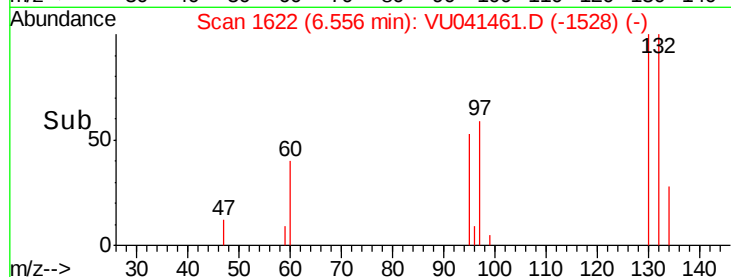
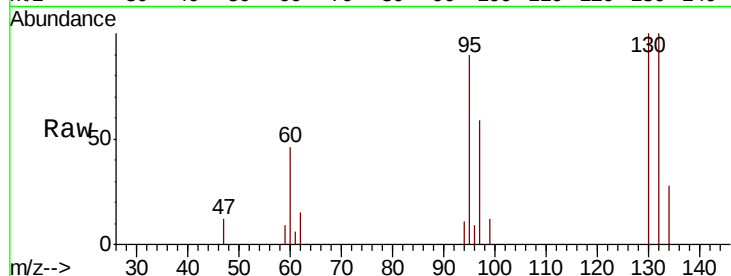




#34
 Trichloroethene
 Concen: 0.884 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

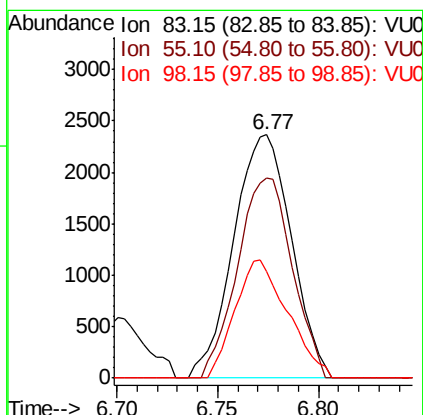
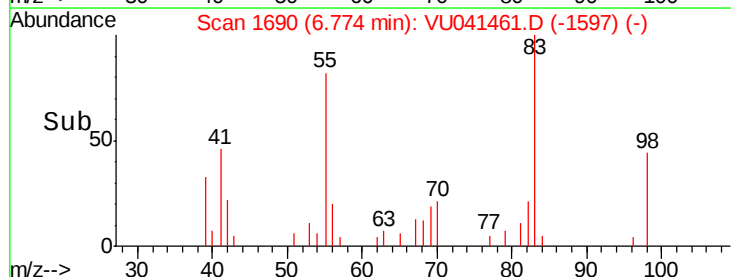
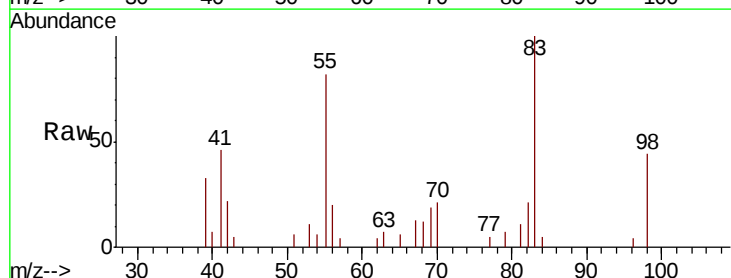
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

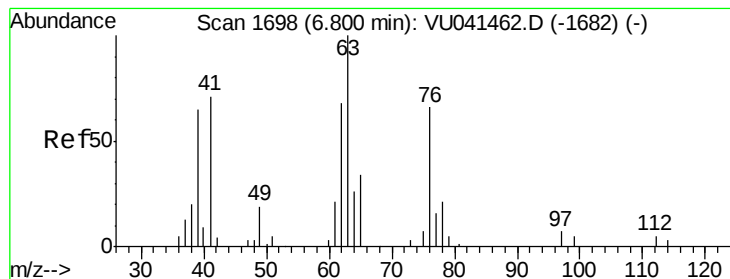
Tot Ion: 95 Resp: 3645
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 110.7 65.7 121.9
 130 110.5 68.8 127.8



#35
 Methylcyclohexane
 Concen: 0.870 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Tgt Ion: 83 Resp: 4737
 Ion Ratio Lower Upper
 83 100
 55 77.9 62.1 93.1
 98 44.3 38.7 58.1





#37

1,2-Dichloropropane

Concen: 0.808 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

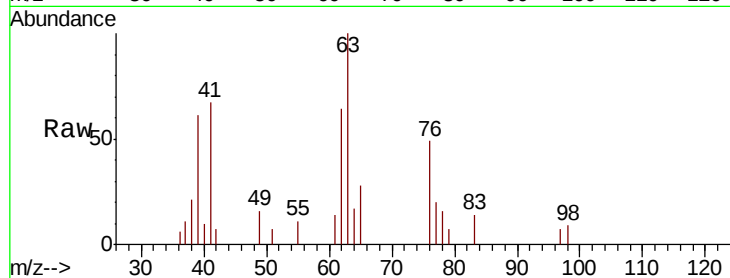
VSTD00101

Tot Ion: 63 Resp: 2822

Ion Ratio Lower Upper

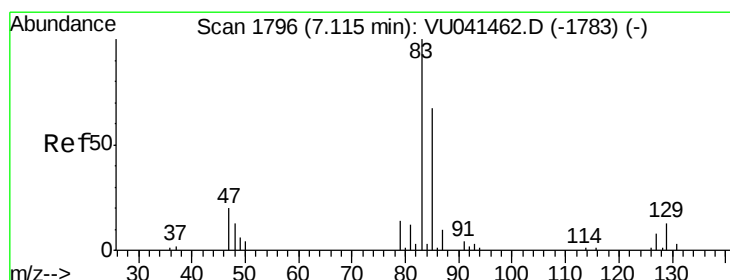
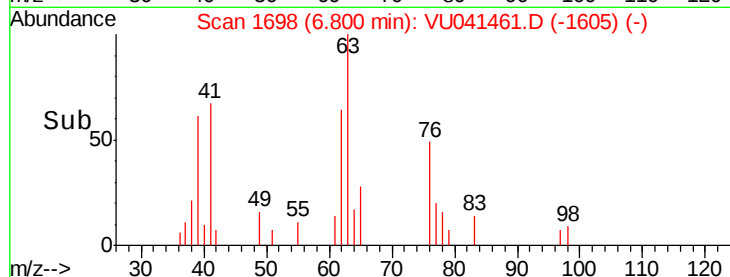
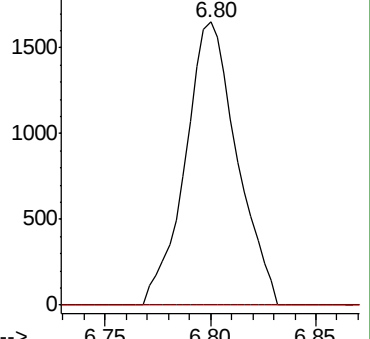
63 100

112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VU041461.D (-1605) (-)

Ion 112.10 (111.80 to 112.80): VU041461.D (-1605) (-)



#38

Bromodichloromethane

Concen: 0.830 ug/L

RT: 7.12 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

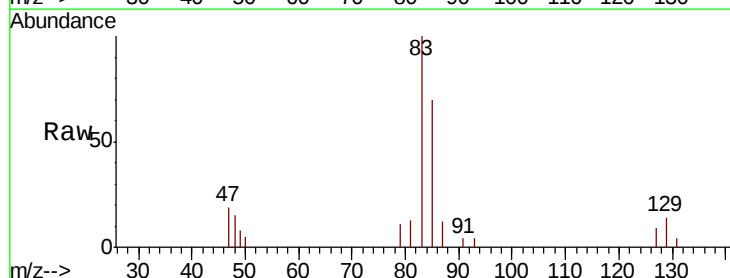
Tgt Ion: 83 Resp: 4978

Ion Ratio Lower Upper

83 100

85 70.0 46.7 86.7

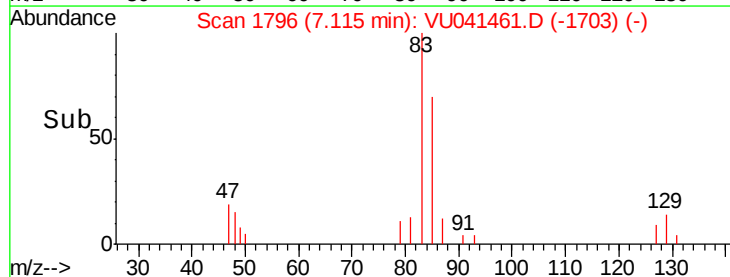
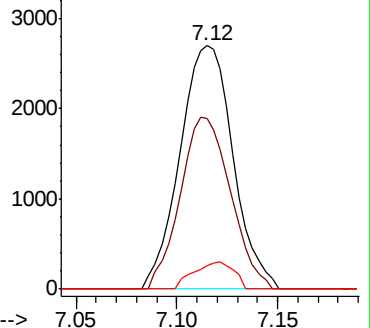
127 9.4 6.6 10.0

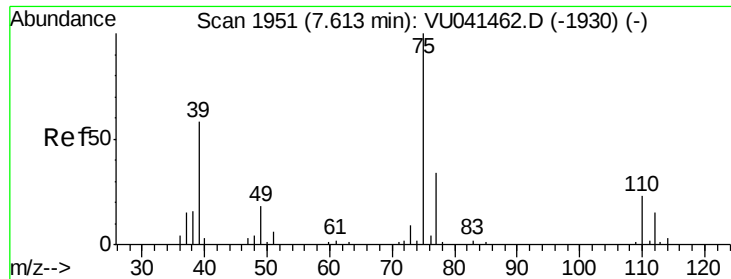


Abundance Ion 82.95 (82.65 to 83.65): VU041461.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU041461.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU041461.D (-1703) (-)

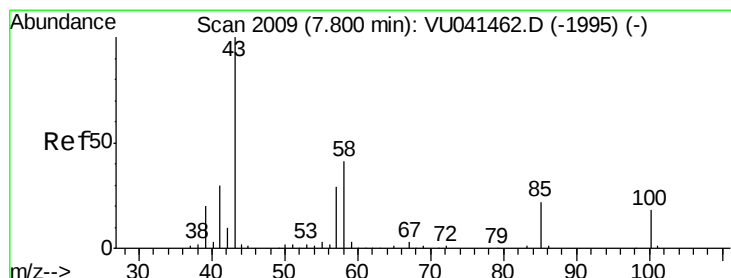
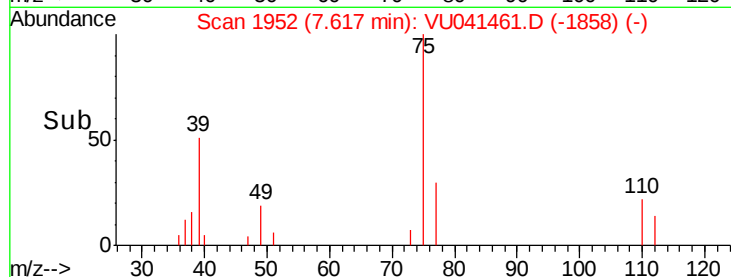
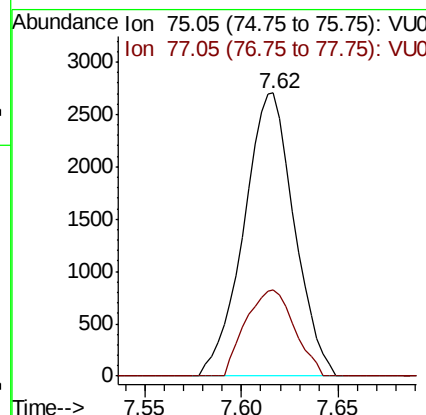
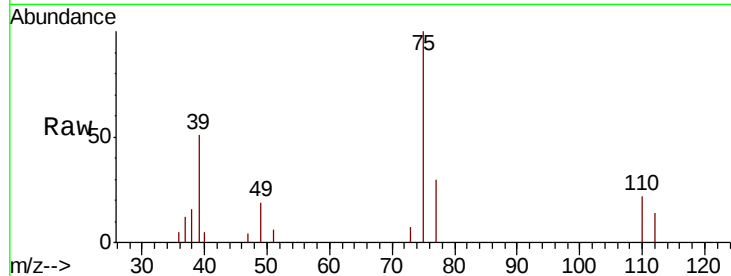




#39
 cis-1,3-Dichloropropene
 Concen: 0.859 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

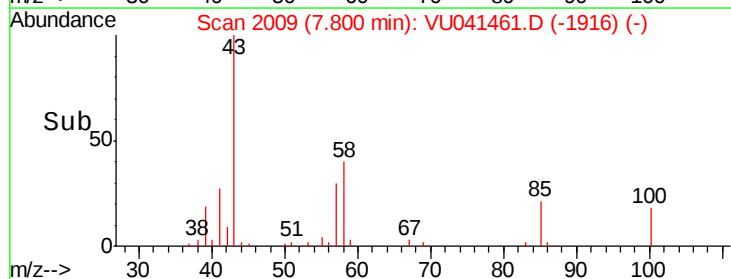
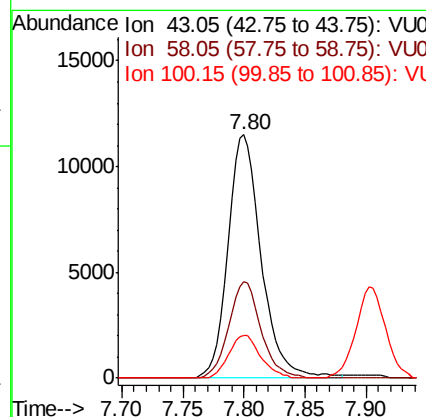
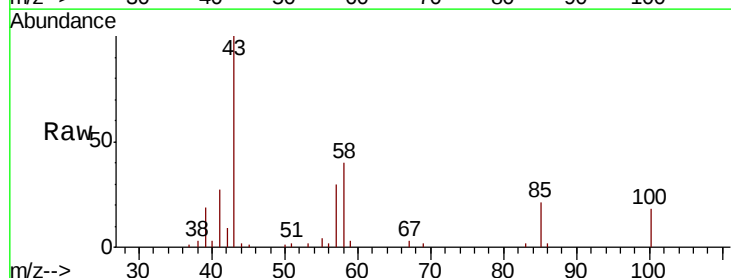
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

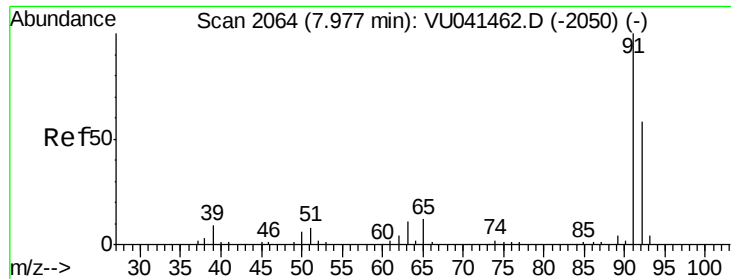
Tot Ion: 75 Resp: 4901
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.0 44.6



#40
 4-Methyl-2-pentanone
 Concen: 8.558 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Tgt Ion: 43 Resp: 21919
 Ion Ratio Lower Upper
 43 100
 58 38.4 32.0 48.0
 100 16.7 14.2 21.2





#42

Toluene

Concen: 0.860 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

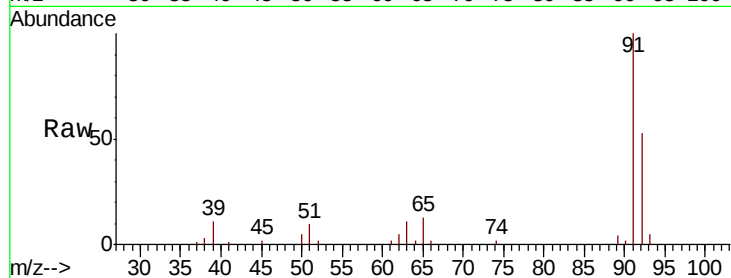
VSTD00101

Tot Ion: 91 Resp: 13167

Ion Ratio Lower Upper

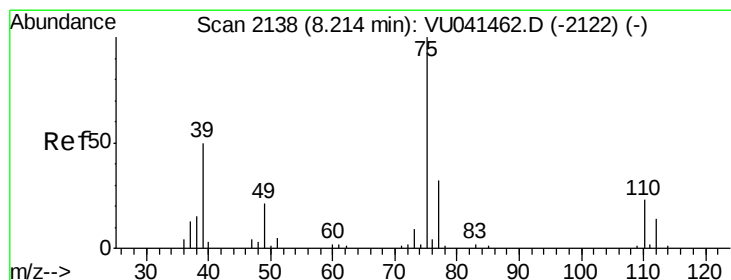
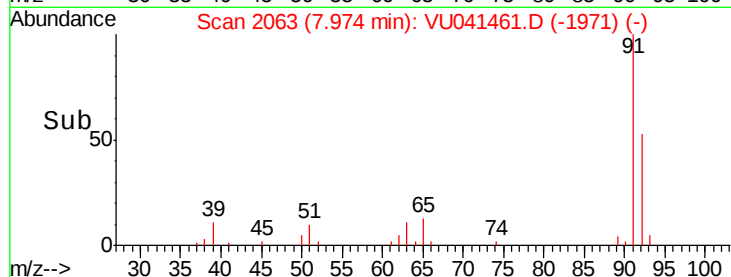
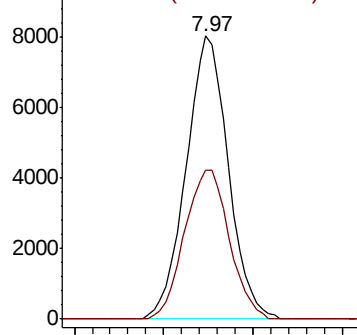
91 100

92 52.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.777 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041461.D

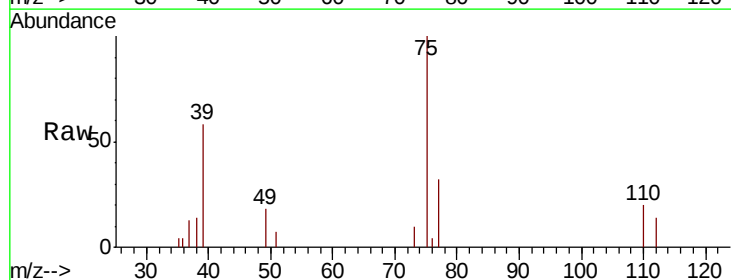
Acq: 04 Dec 2020 10:05

Tgt Ion: 75 Resp: 4629

Ion Ratio Lower Upper

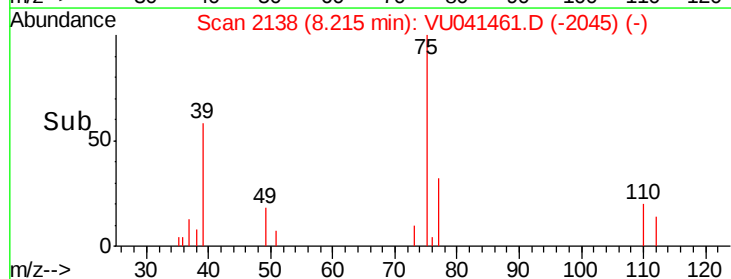
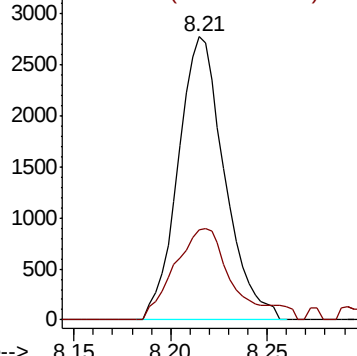
75 100

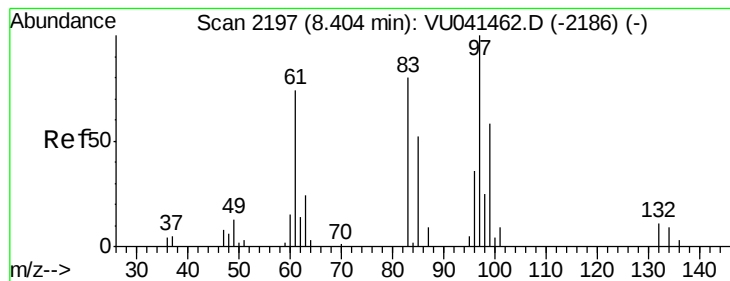
77 32.0 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.955 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tot Ion: 97 Resp: 2889

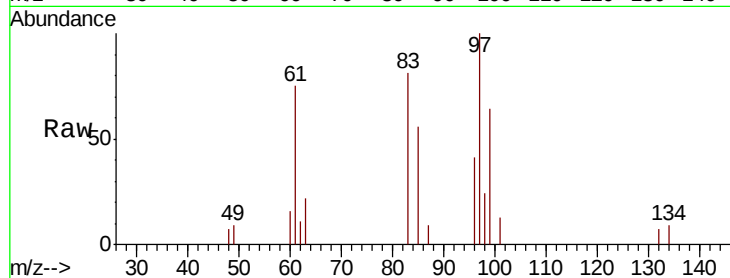
Ion Ratio Lower Upper

97 100

99 64.1 40.7 75.7

83 80.9 56.2 104.4

85 56.3 36.0 67.0

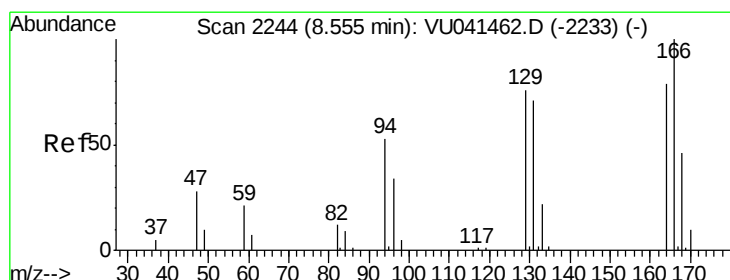
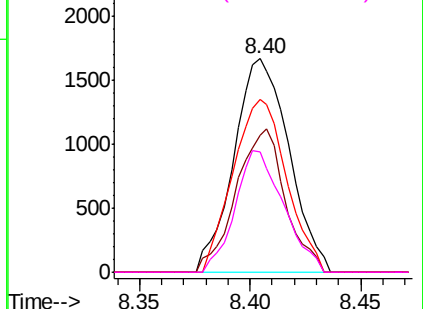
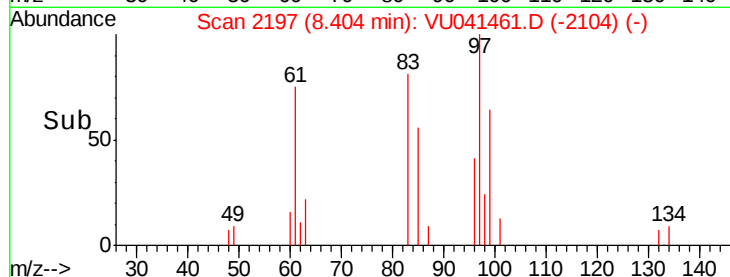


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.924 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Tgt Ion: 164 Resp: 2873

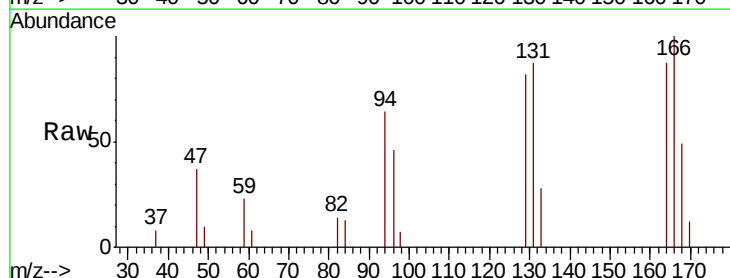
Ion Ratio Lower Upper

164 100

129 94.1 67.1 124.7

131 100.2 63.3 117.7

166 115.1 88.8 164.8

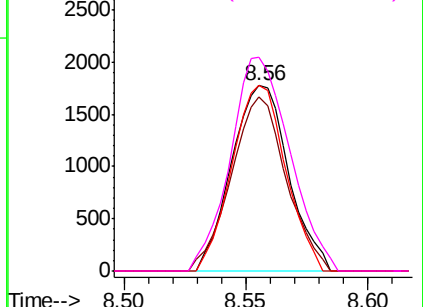
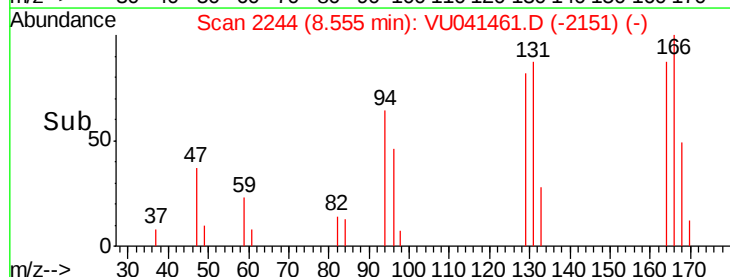


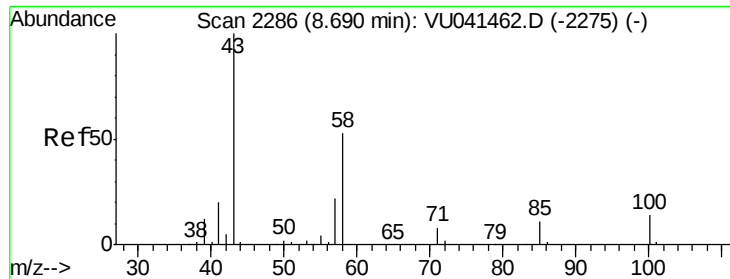
Abundance Ion 163.90 (163.60 to 164.60): V

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

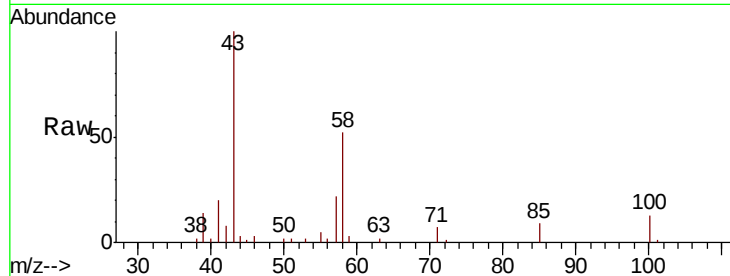




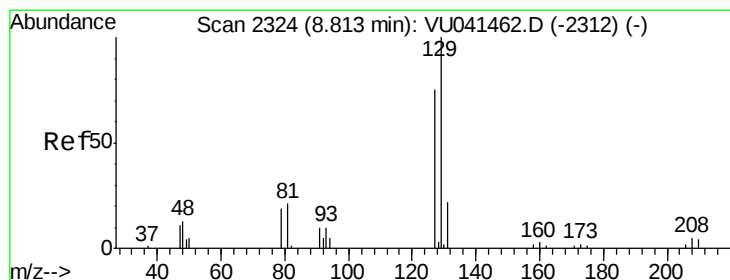
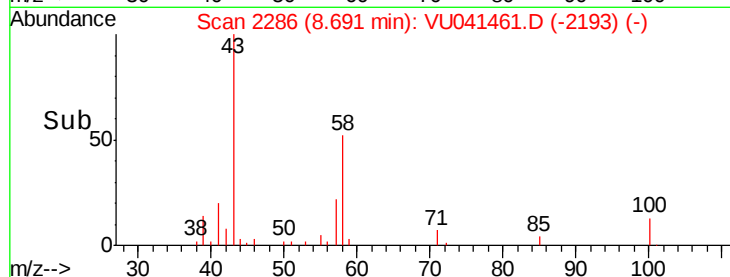
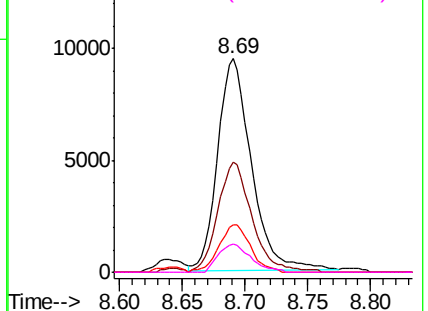
#48
2-Hexanone
Concen: 8.958 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion: 43 Resp: 17669
Ion Ratio Lower Upper
43 100
58 52.7 41.4 62.0
57 21.1 17.1 25.7
100 12.8 10.6 16.0

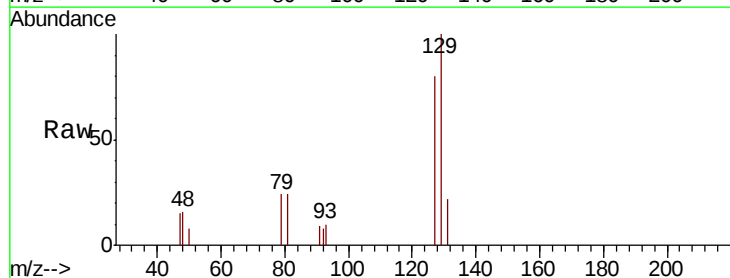


Abundance Ion 43.05 (42.75 to 43.75): VU041461.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041461.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041461.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041461.D (-2193) (-)

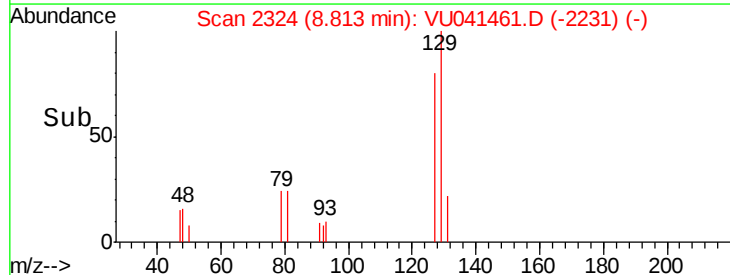
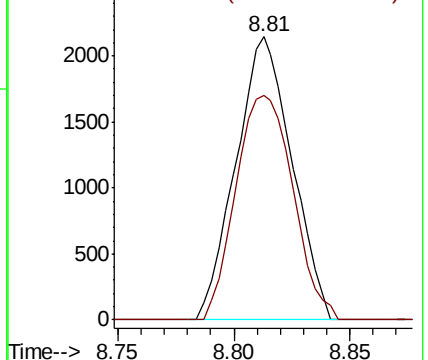


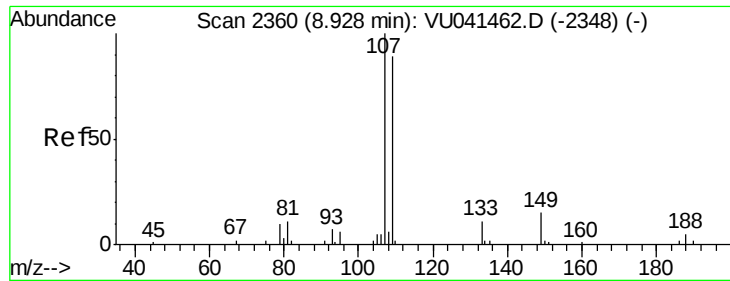
#49
Dibromochloromethane
Concen: 0.855 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion: 129 Resp: 3604
Ion Ratio Lower Upper
129 100
127 79.5 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041461.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041461.D (-2231) (-)

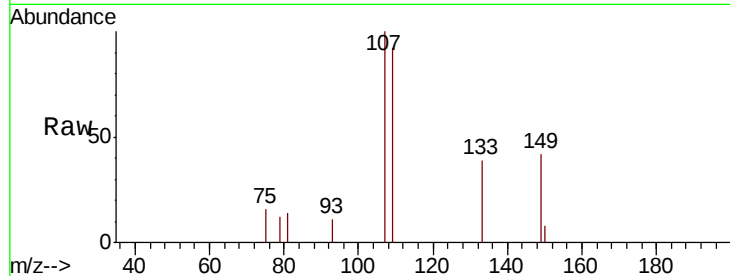




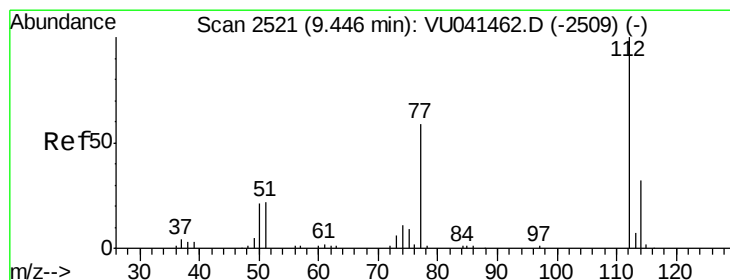
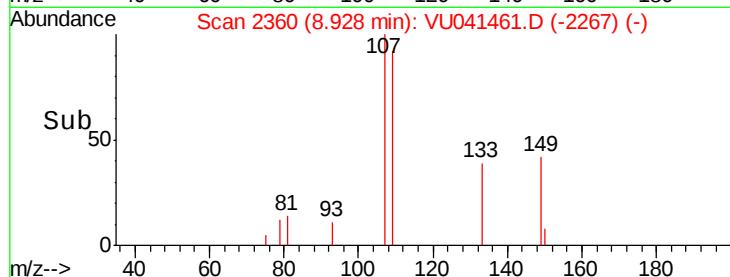
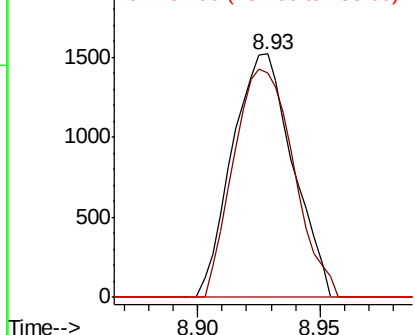
#50
1,2-Dibromoethane
Concen: 0.875 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion:107 Resp: 2610
Ion Ratio Lower Upper
107 100
109 91.9 62.3 115.7
188 0.0 4.2 6.4#

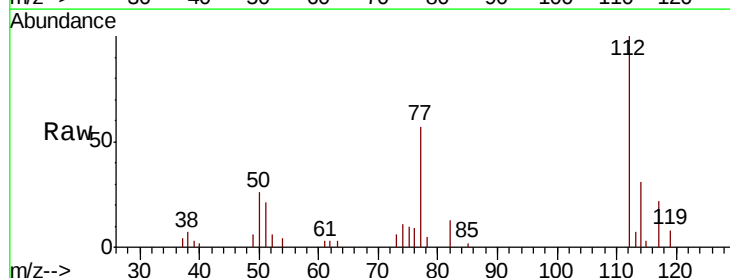


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

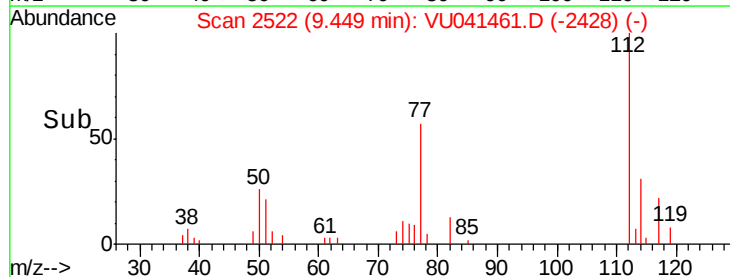
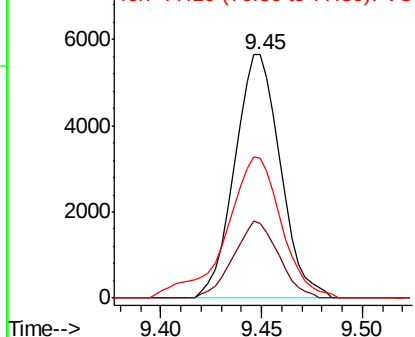


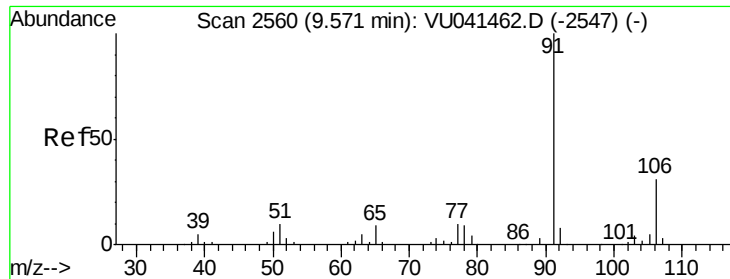
#51
Chlorobenzene
Concen: 0.860 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion:112 Resp: 8964
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.1
77 57.3 48.2 72.2



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: 0.828 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

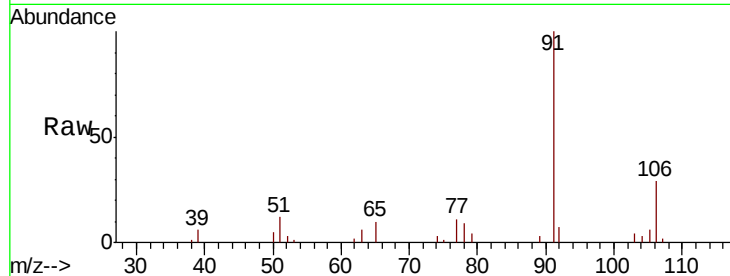
VSTD00101

Tot Ion: 91 Resp: 14781

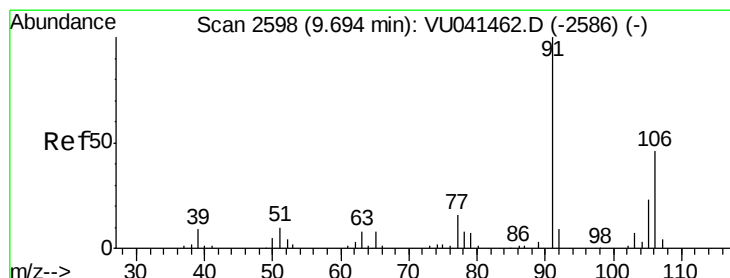
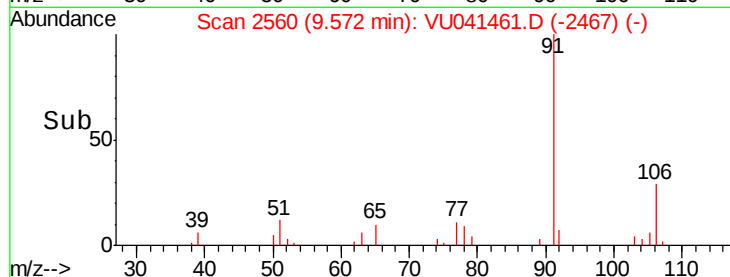
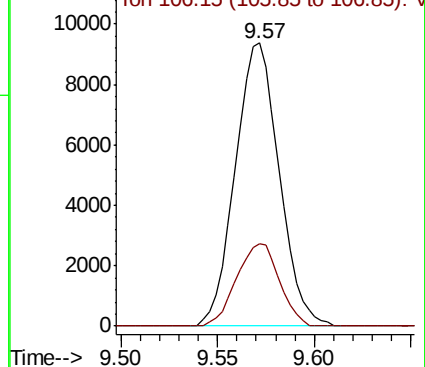
Ion Ratio Lower Upper

91 100

106 29.1 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041461.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.795 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041461.D

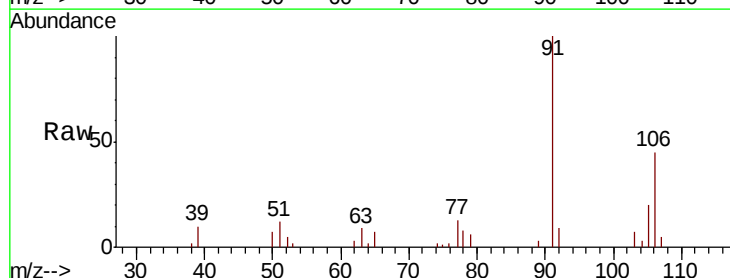
Acq: 04 Dec 2020 10:05

Tgt Ion: 106 Resp: 5195

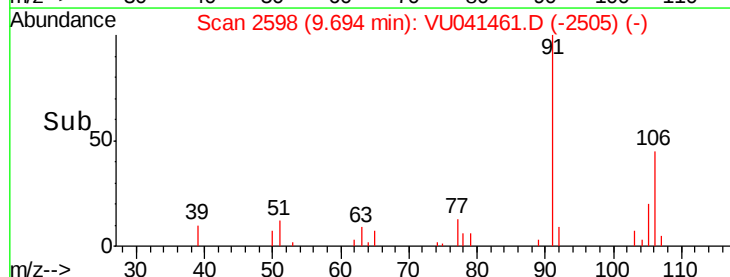
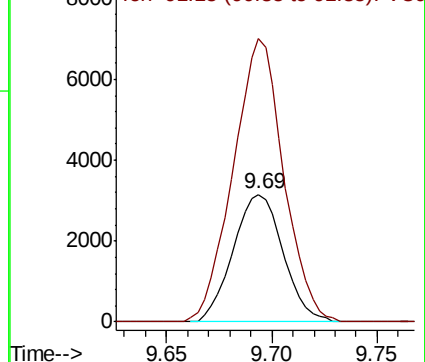
Ion Ratio Lower Upper

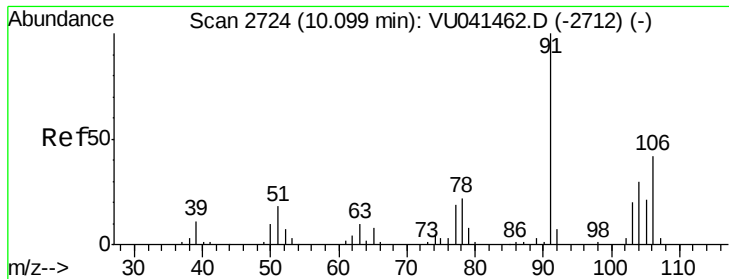
106 100

91 222.0 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041461.D (-2598) (-)

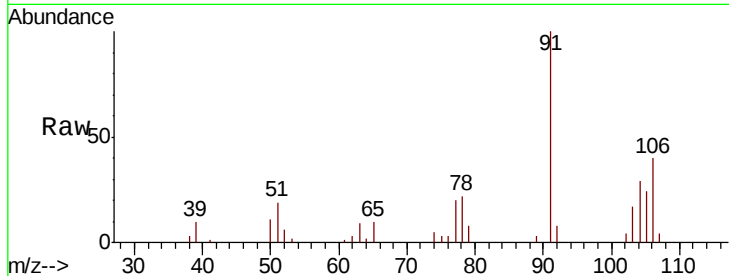




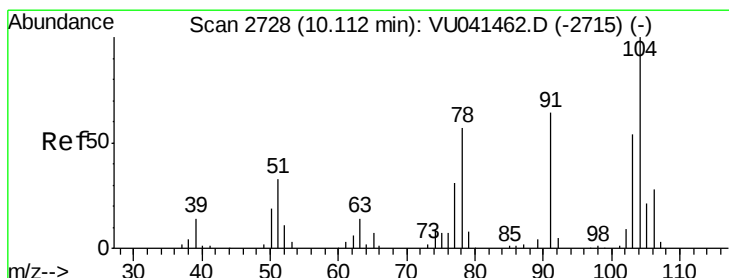
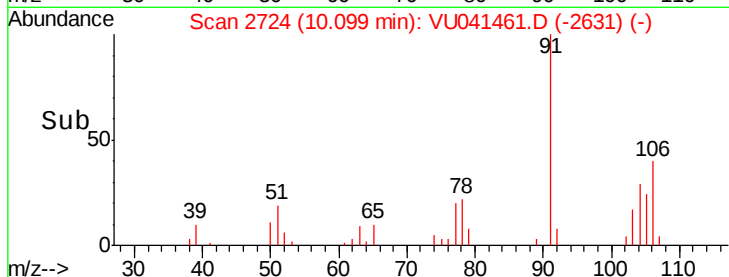
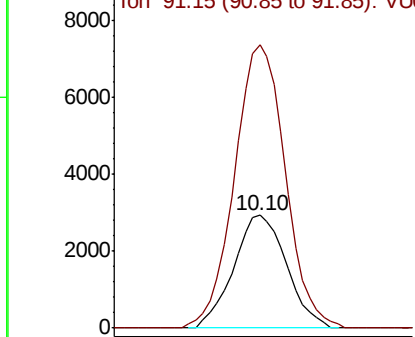
#54
o-Xylene
Concen: 0.795 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion:106 Resp: 4889
Ion Ratio Lower Upper
106 100
91 250.3 165.8 308.0

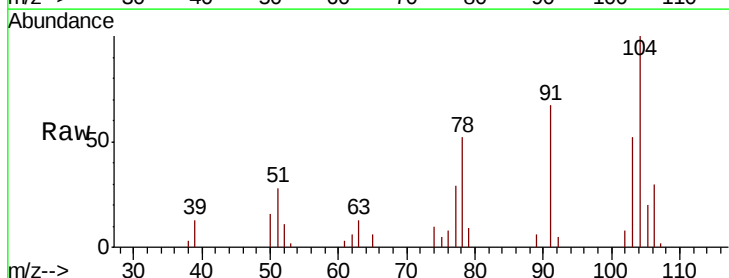


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

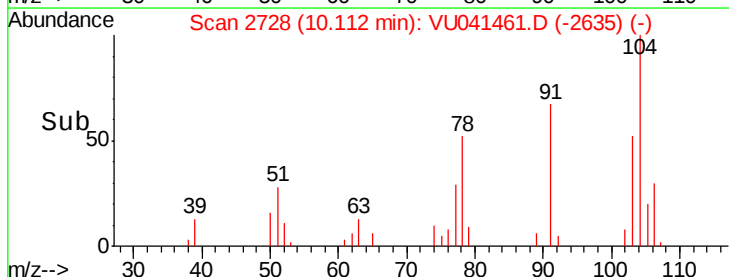
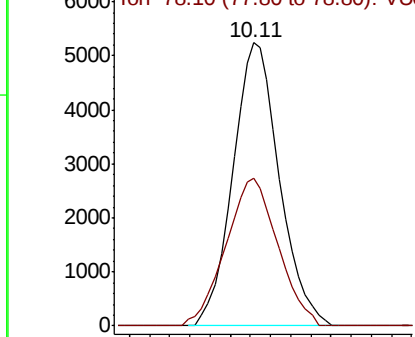


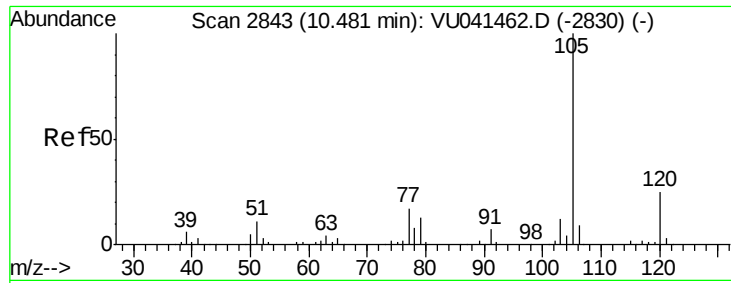
#55
Styrene
Concen: 0.764 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041461.D
Acq: 04 Dec 2020 10:05

Tgt Ion:104 Resp: 8443
Ion Ratio Lower Upper
104 100
78 52.3 39.8 74.0



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





#56

Isopropylbenzene

Concen: 0.797 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

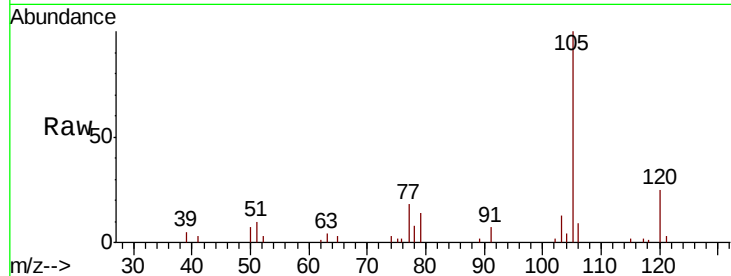
Tot Ion:105 Resp: 14105

Ion Ratio Lower Upper

105 100

120 25.4 20.0 30.0

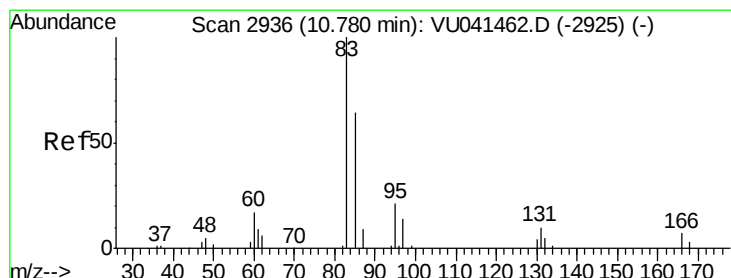
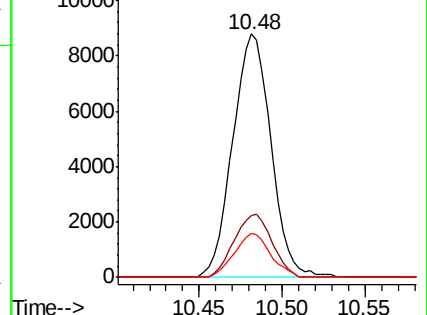
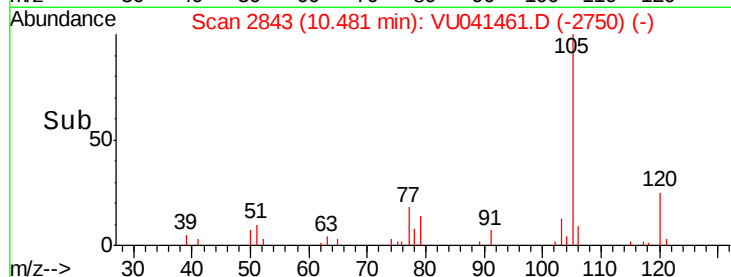
77 17.0 13.9 20.9



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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.866 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

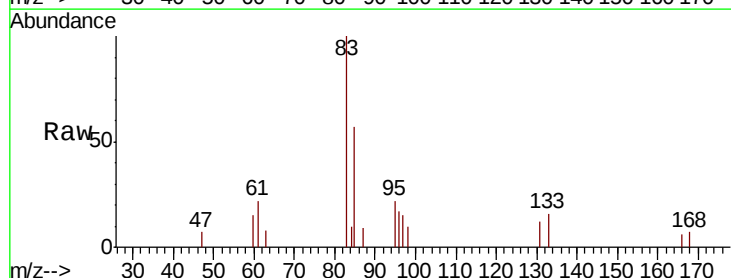
Tgt Ion: 83 Resp: 3319

Ion Ratio Lower Upper

83 100

85 57.2 45.2 84.0

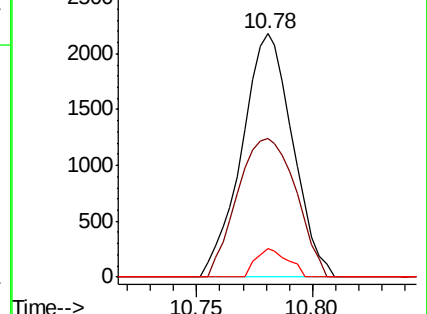
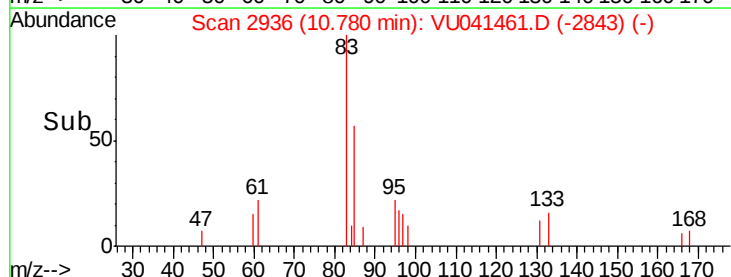
131 11.6 9.1 13.7

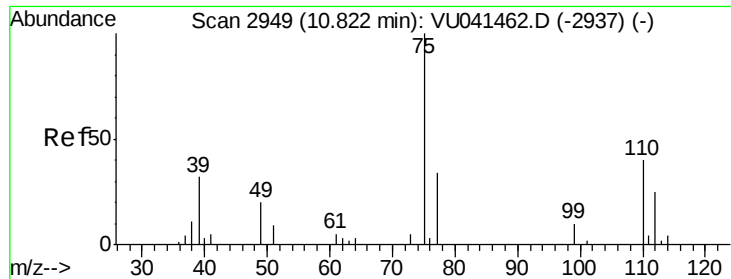


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.899 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

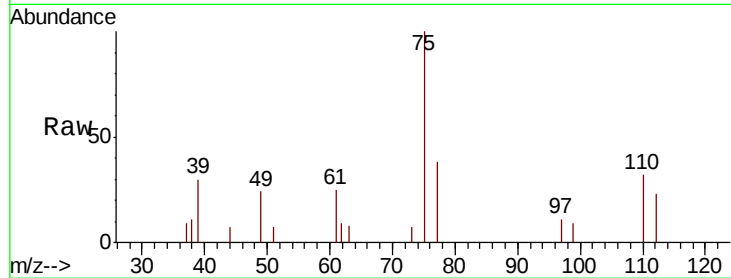
VSTD00101

Tot Ion: 75 Resp: 2866

Ion Ratio Lower Upper

75 100

77 35.5 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU041461.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041461.D (-2937) (-)

10.82

1500

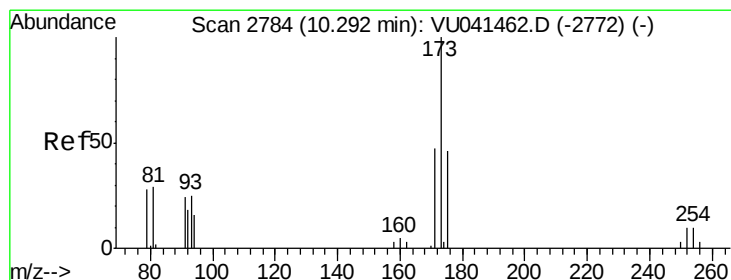
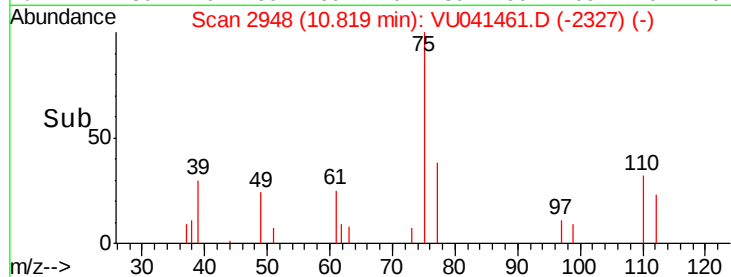
1000

500

0

10.80 10.85

Time-->



#61

Bromoform

Concen: 0.907 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

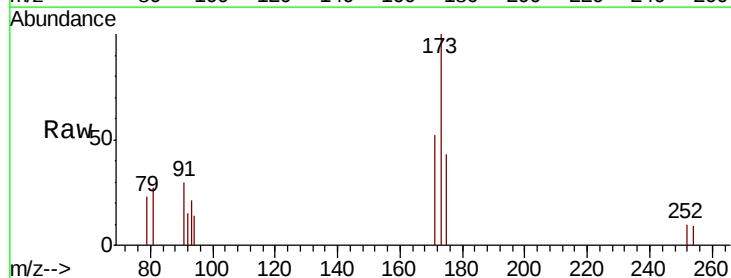
Tgt Ion: 173 Resp: 2269

Ion Ratio Lower Upper

173 100

175 42.7 38.8 58.2

254 5.1 7.6 11.4#



Abundance Ion 172.90 (172.60 to 173.60): VU041461.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041461.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041461.D (-2691) (-)

10.29

1500

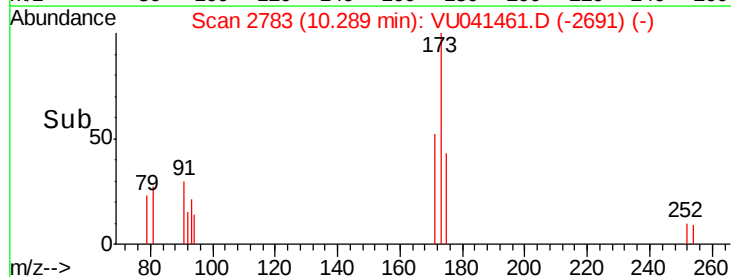
1000

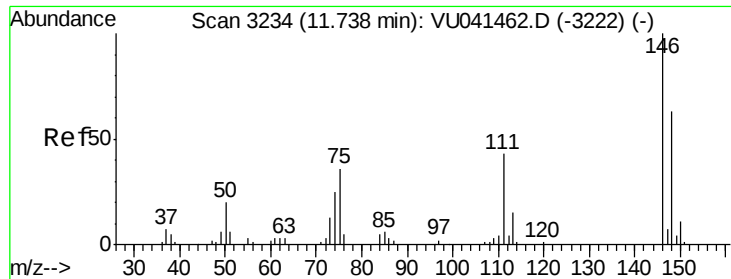
500

0

10.25 10.30

Time-->

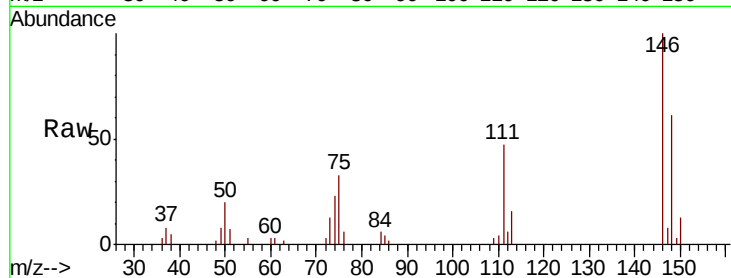




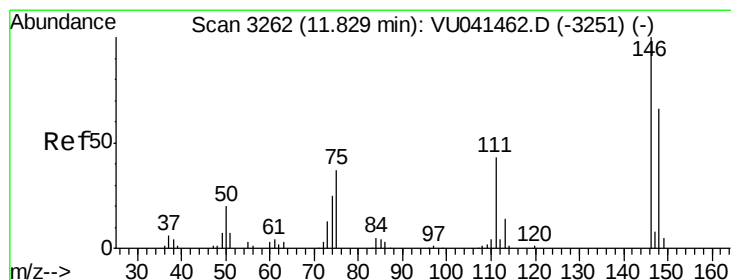
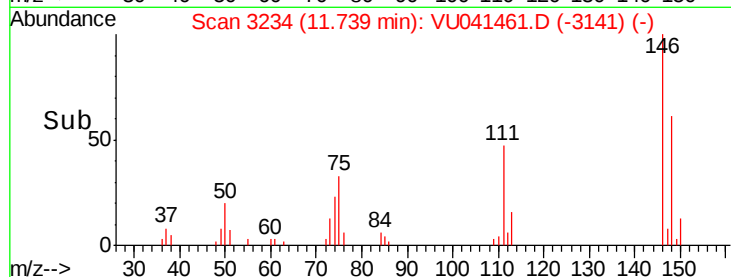
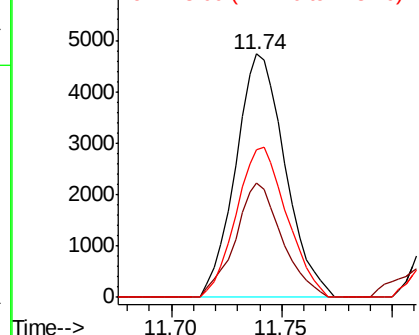
#62
 1,3-Dichlorobenzene
 Concen: 0.857 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00101

Tot Ion:146 Resp: 7352
 Ion Ratio Lower Upper
 146 100
 111 46.7 30.2 56.0
 148 60.8 44.0 81.6

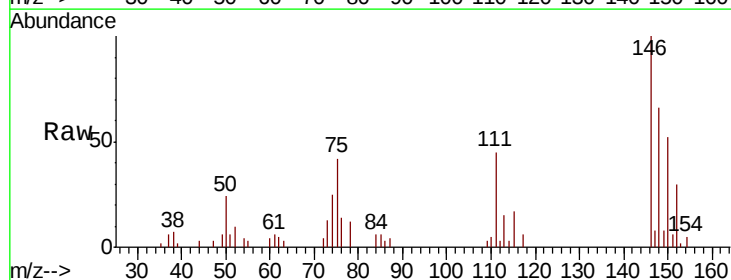


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

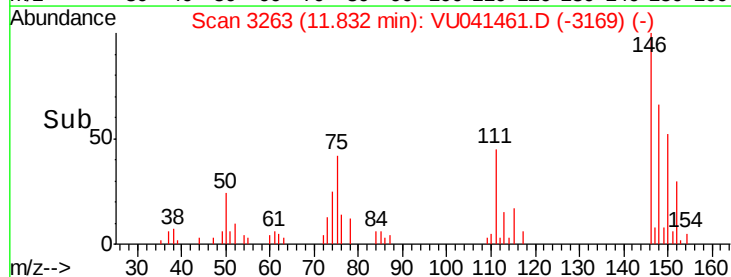
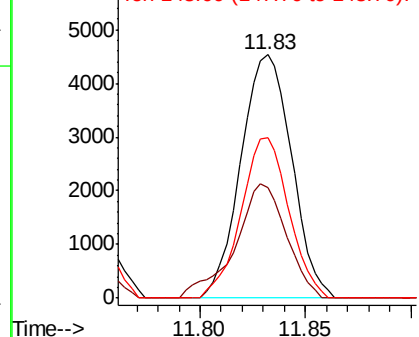


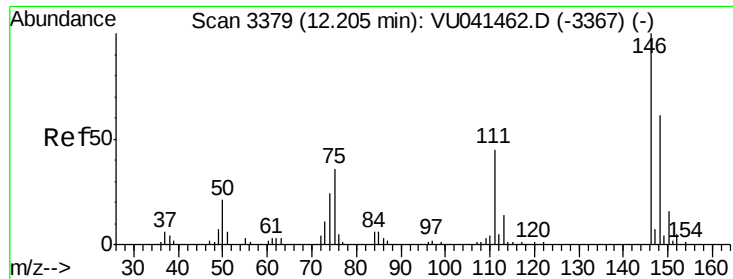
#63
 1,4-Dichlorobenzene
 Concen: 0.879 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Tgt Ion:146 Resp: 7586
 Ion Ratio Lower Upper
 146 100
 111 45.1 30.7 57.1
 148 65.7 45.8 85.2



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





#65

1,2-Dichlorobenzene

Concen: 0.881 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

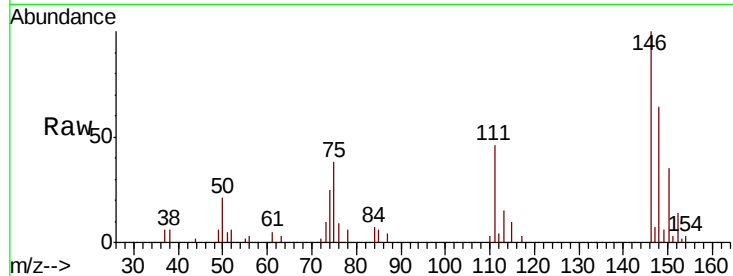
Tot Ion:146 Resp: 7378

Ion Ratio Lower Upper

146 100

111 45.5 36.0 54.0

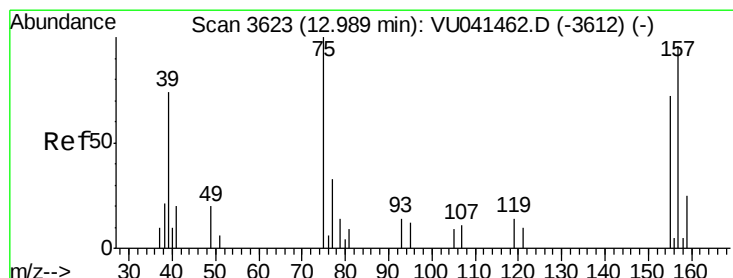
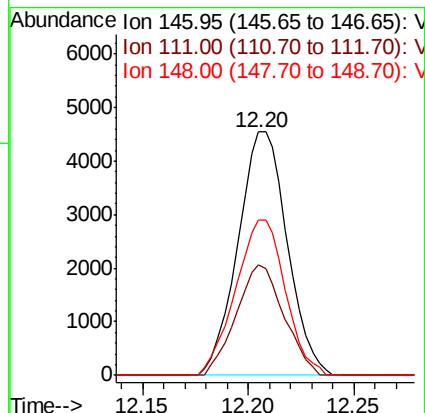
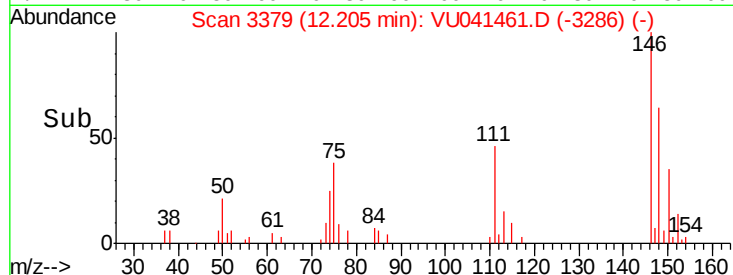
148 63.8 49.0 73.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.948 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

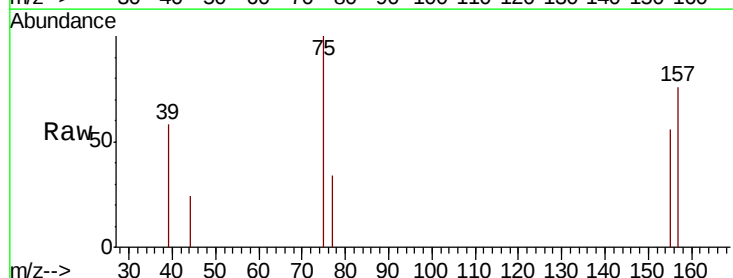
Tgt Ion: 75 Resp: 779

Ion Ratio Lower Upper

75 100

155 56.2 58.0 87.0#

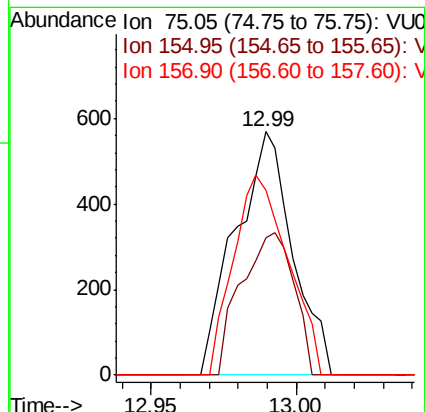
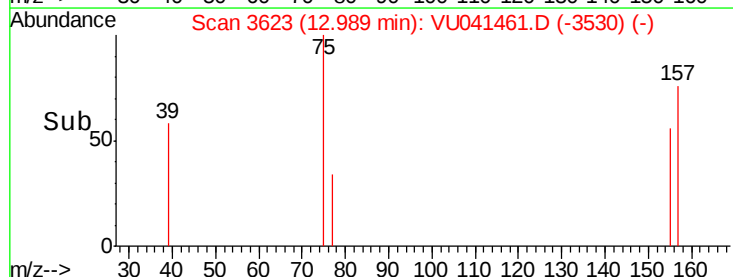
157 76.1 77.1 115.7#

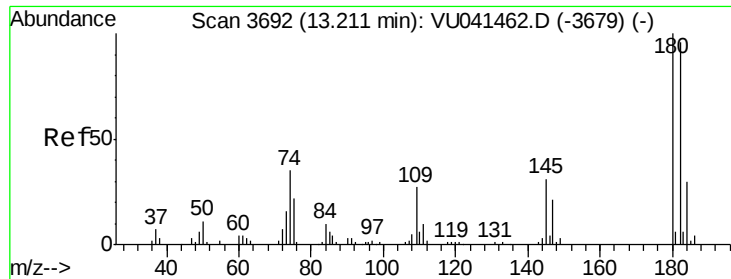


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

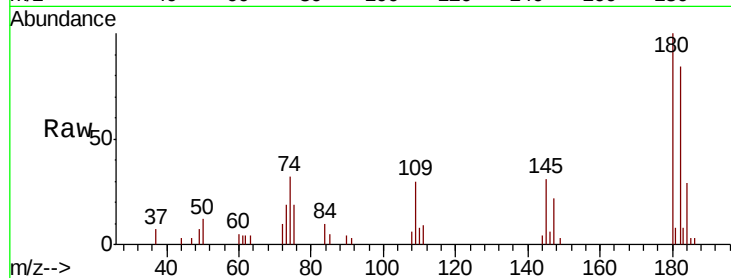




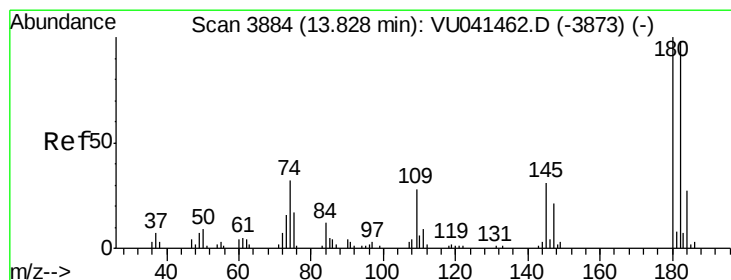
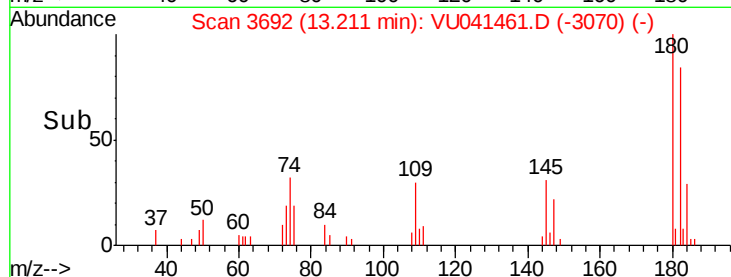
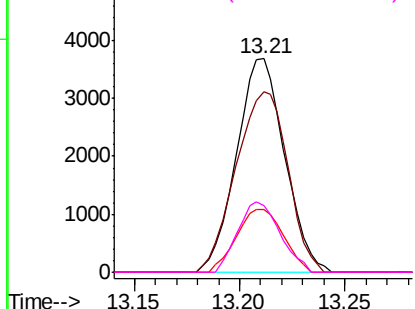
#67
 1,3,5-Trichlorobenzene
 Concen: 0.883 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tot Ion:180 Resp: 5856
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.3 114.5
 184 28.6 23.8 35.6
 145 29.0 25.1 37.7

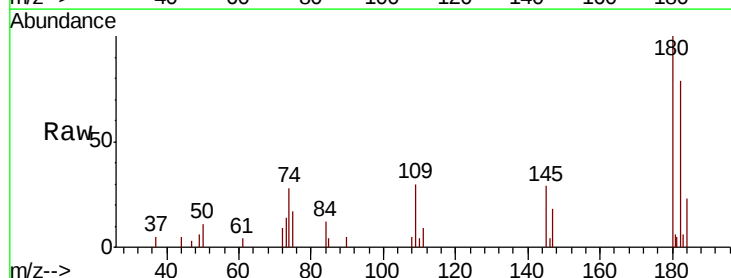


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

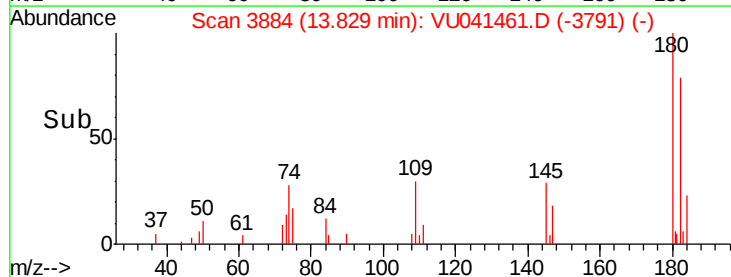
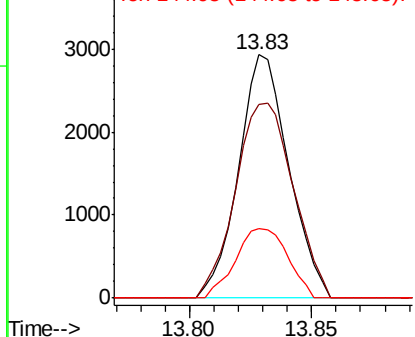


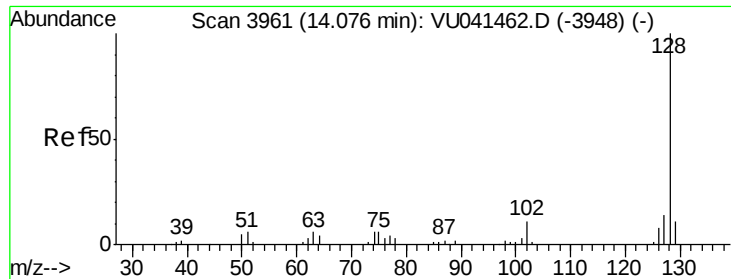
#68
 1,2,4-trichlorobenzene
 Concen: 0.777 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041461.D
 Acq: 04 Dec 2020 10:05

Tgt Ion:180 Resp: 4171
 Ion Ratio Lower Upper
 180 100
 182 92.3 77.8 116.8
 145 29.7 26.4 39.6



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: 0.618 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

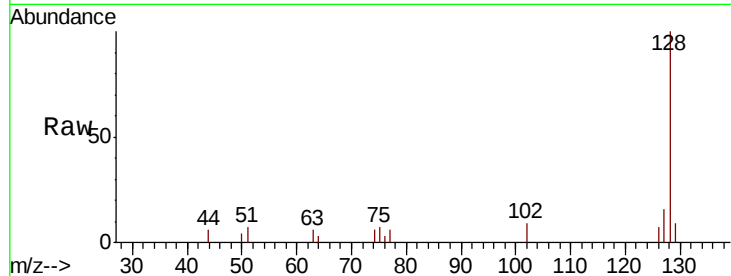
Tot Ion:128 Resp: 5510

Ion Ratio Lower Upper

128 100

129 7.8 8.6 12.8#

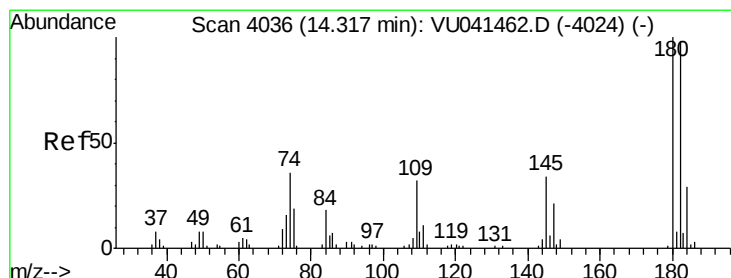
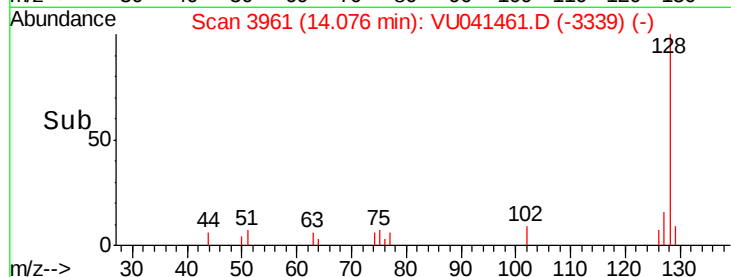
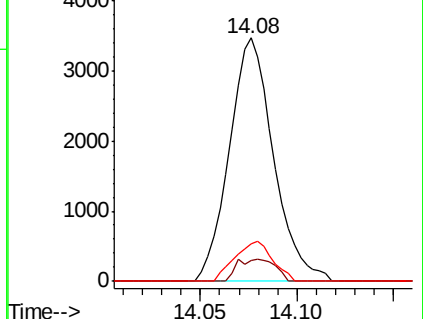
127 14.1 10.9 16.3



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: 0.712 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041461.D

Acq: 04 Dec 2020 10:05

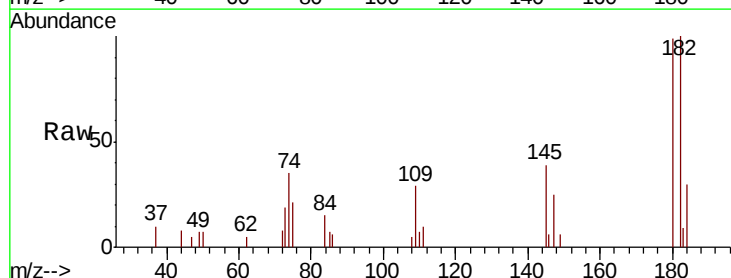
Tgt Ion:180 Resp: 3544

Ion Ratio Lower Upper

180 100

182 98.6 79.1 118.7

145 37.6 27.8 41.8



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

