

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
 Data File : VU040558.D
 Acq On : 08 Oct 2020 13:20
 Operator : SY/MD
 Sample : VSTD00106
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Quant Time: Oct 09 01:19:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132037	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133557	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	11144	1.48	ug/L	0.00
7) Chloroethane-d5	1.92	69	8511	1.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	21274	1.25	ug/L	0.00
20) 2-Butanone-d5	4.67	46	30622	9.18	ug/L	0.00
24) Chloroform-d	5.08	84	19019	1.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	12084	1.21	ug/L	0.00
32) Benzene-d6	5.74	84	35247	1.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	11704	1.13	ug/L	0.00
41) Toluene-d8	7.91	98	30731	1.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	4320	1.00	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	20792	8.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	10354	1.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	11759	1.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	11604	0.888 ug/L	99
3) Chloromethane	1.53	50	11563	0.912 ug/L	99
5) Vinyl chloride	1.61	62	12266	0.971 ug/L	99
6) Bromomethane	1.87	94	6363	1.015 ug/L	96
8) Chloroethane	1.94	64	7769	1.031 ug/L	89
9) Trichlorofluoromethane	2.15	101	17689	1.005 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	11102	0.987 ug/L	96
12) 1,1-Dichloroethene	2.59	96	9557	0.954 ug/L	88
13) Acetone	2.68	43	27937	10.132 ug/L	77
14) Carbon disulfide	2.81	76	27255	0.882 ug/L	97
15) Methyl Acetate	2.97	43	6497	0.993 ug/L	99
16) Methylene chloride	3.06	84	12697	1.004 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	25233	0.908 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	9802	0.952 ug/L	98
19) 1,1-Dichloroethane	3.89	63	20932	0.984 ug/L	94
21) 2-Butanone	4.75	43	42131	9.596 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	10148	0.893 ug/L	99
23) Bromochloromethane	5.00	128	5250	0.993 ug/L	95
25) Chloroform	5.11	83	21333	0.982 ug/L	98
27) 1,2-Dichloroethane	5.81	62	14794	0.980 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	17976	0.984 ug/L	99
30) Cyclohexane	5.40	56	14671	0.789 ug/L	98
31) Carbon tetrachloride	5.54	117	15093	0.961 ug/L	99
33) Benzene	5.79	78	41173	0.920 ug/L	100
34) Trichloroethene	6.56	95	10737	0.907 ug/L	95
35) Methylcyclohexane	6.77	83	13891	0.805 ug/L	96
37) 1,2-Dichloropropane	6.80	63	11442	0.909 ug/L	100
38) Bromodichloromethane	7.12	83	15146	0.980 ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	14702	0.876 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	85230	8.690 ug/L	98

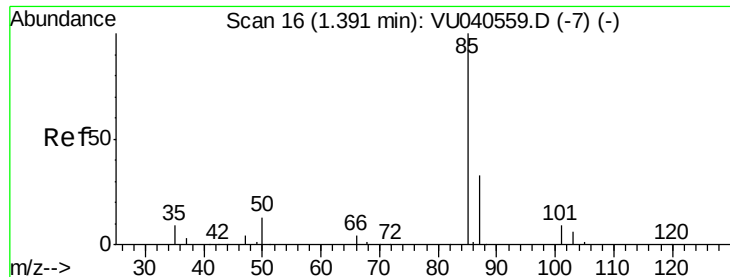
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	40460	0.882	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	13319	0.855	ug/L	90
45) 1,1,2-Trichloroethane	8.41	97	9086	1.029	ug/L	94
47) Tetrachloroethene	8.56	164	7769	0.915	ug/L	96
48) 2-Hexanone	8.69	43	62894	8.647	ug/L	99
49) Dibromochloromethane	8.81	129	9719	0.941	ug/L	97
50) 1,2-Dibromoethane	8.93	107	8298	0.990	ug/L	95
51) Chlorobenzene	9.45	112	28297	0.955	ug/L	99
52) Ethylbenzene	9.57	91	42613	0.856	ug/L	99
53) m,p-Xylene	9.69	106	15263	0.823	ug/L	98
54) o-Xylene	10.10	106	14471	0.830	ug/L	93
55) Styrene	10.11	104	24449	0.805	ug/L	93
56) Isopropylbenzene	10.48	105	38225	0.813	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	11766	0.990	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	8837	0.978	ug/L	97
61) Bromoform	10.29	173	5492	0.985	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	20784	0.947	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	22213	0.972	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	21002	0.983	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2014	1.040	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	14897	0.950	ug/L	94
68) 1,2,4-trichlorobenzene	13.83	180	9787	0.781	ug/L	99
69) Naphthalene	14.08	128	12850	0.605	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	8873	0.768	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.888 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

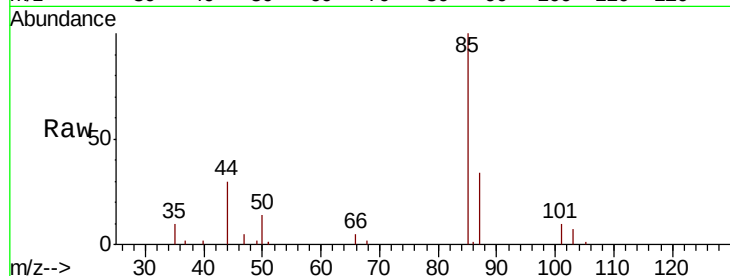
VSTD00106

Tot Ion: 85 Resp: 11604

Ion Ratio Lower Upper

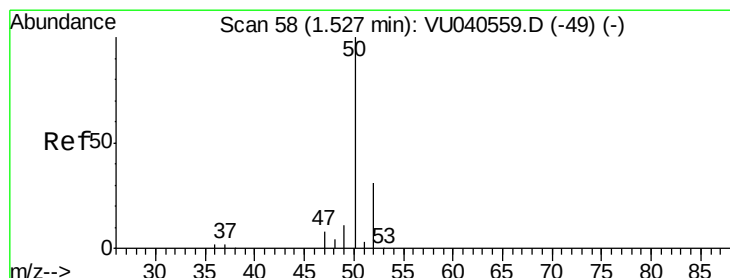
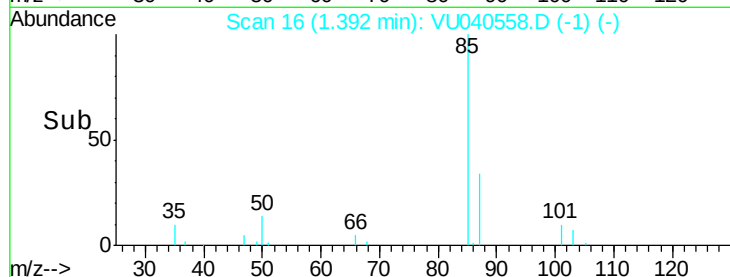
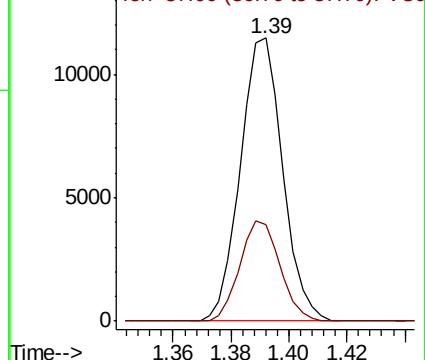
85 100

87 33.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.912 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040558.D

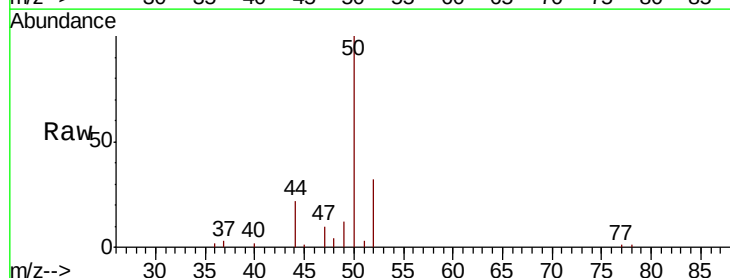
Acq: 08 Oct 2020 13:20

Tgt Ion: 50 Resp: 11563

Ion Ratio Lower Upper

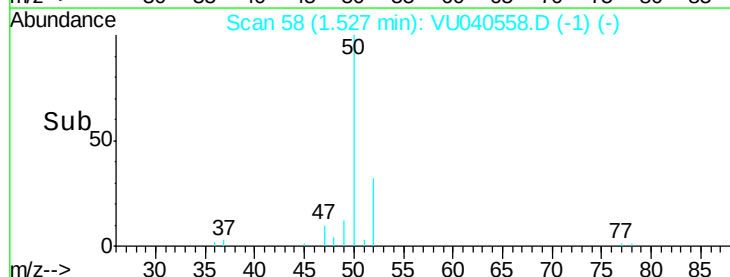
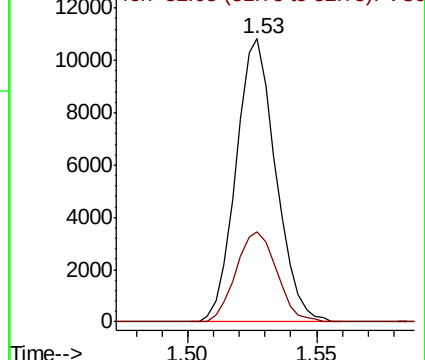
50 100

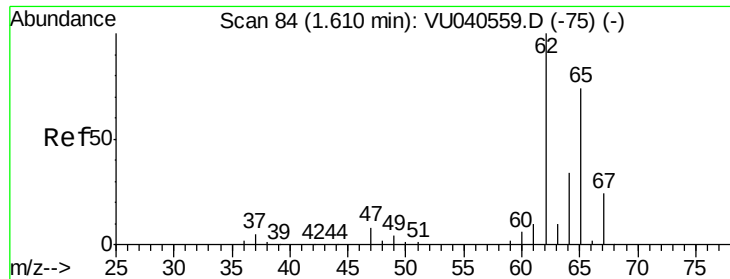
52 31.9 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.971 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

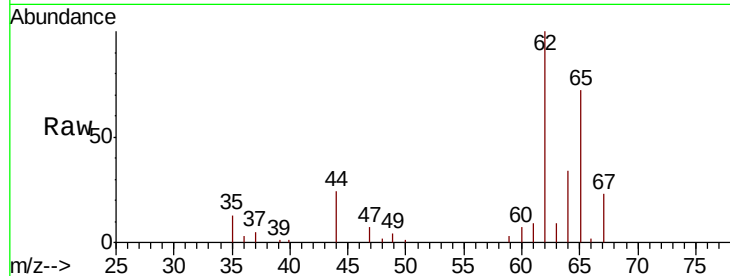
VSTD00106

Tot Ion: 62 Resp: 12266

Ion Ratio Lower Upper

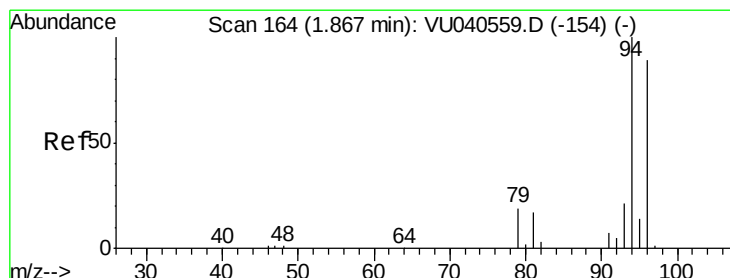
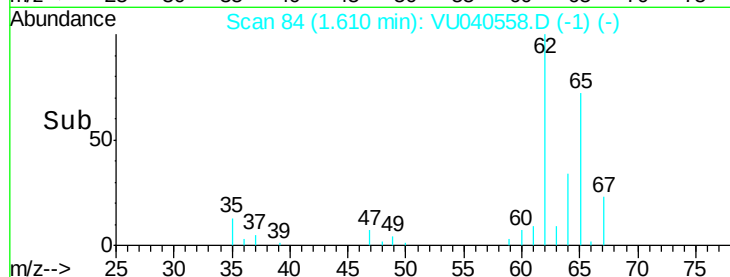
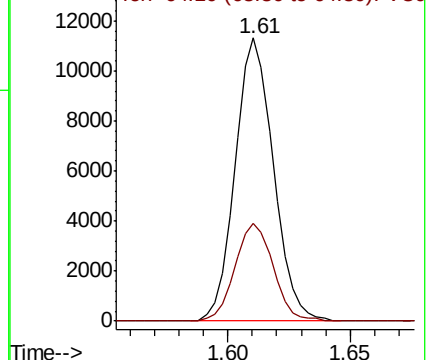
62 100

64 34.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.015 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040558.D

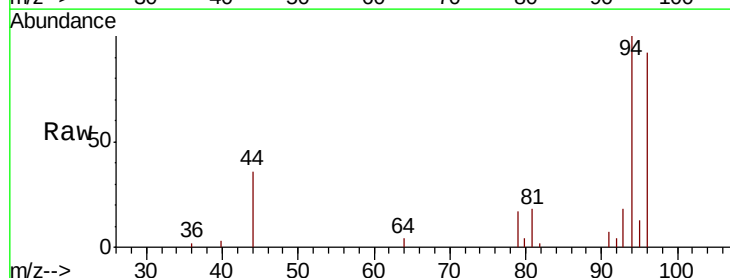
Acq: 08 Oct 2020 13:20

Tgt Ion: 94 Resp: 6363

Ion Ratio Lower Upper

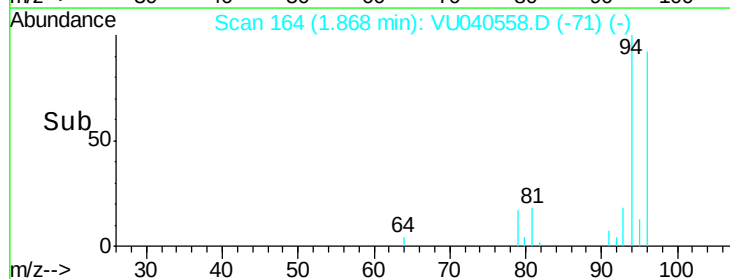
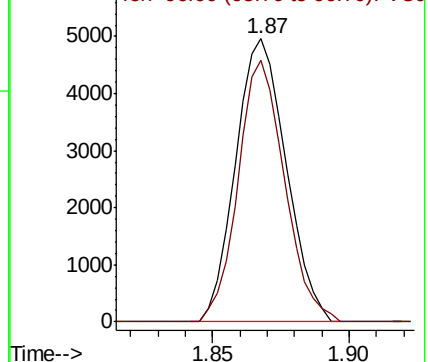
94 100

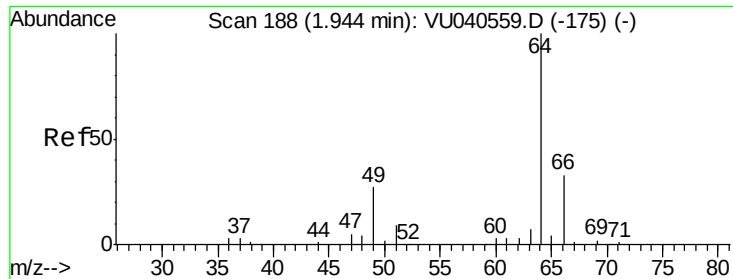
96 92.4 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.031 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

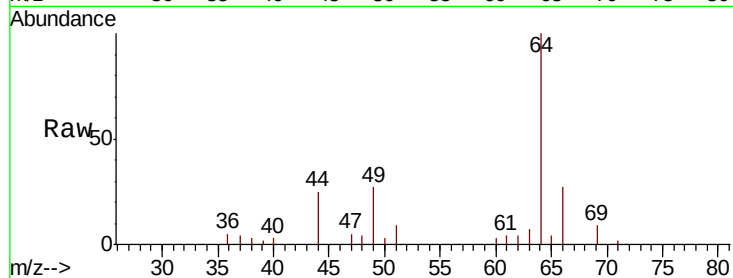
VSTD00106

Tot Ion: 64 Resp: 7769

Ion Ratio Lower Upper

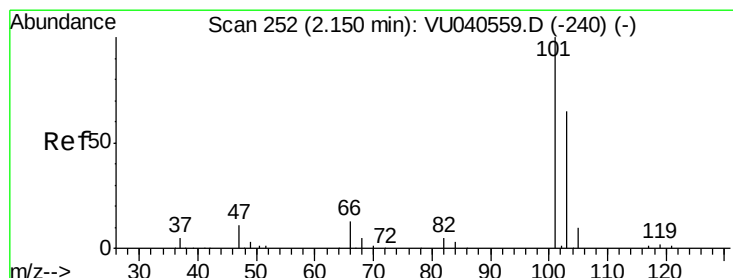
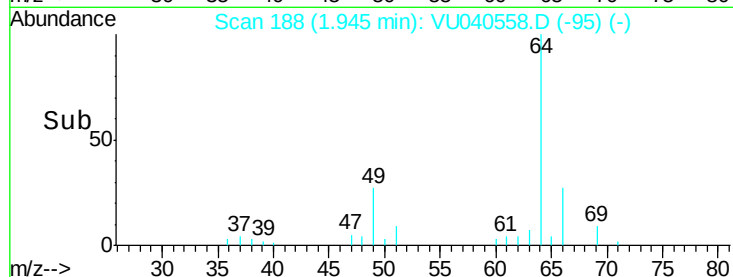
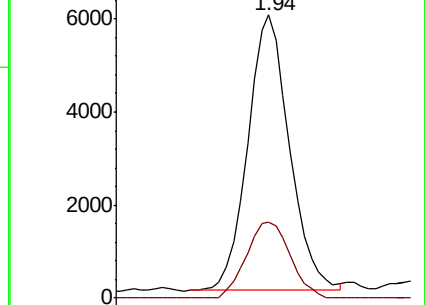
64 100

66 26.9 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040559.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040559.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 1.005 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040558.D

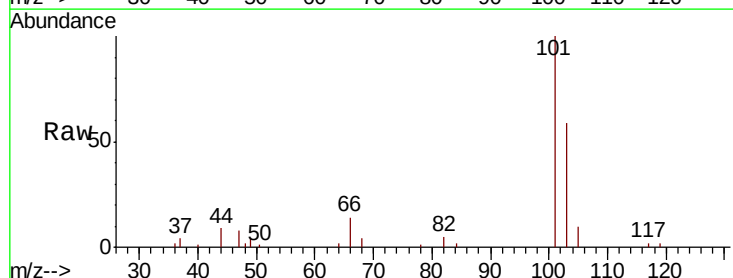
Acq: 08 Oct 2020 13:20

Tgt Ion: 101 Resp: 17689

Ion Ratio Lower Upper

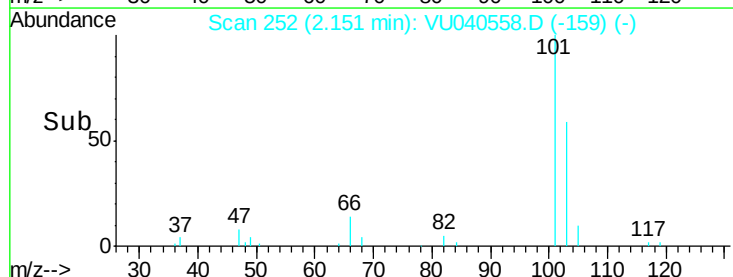
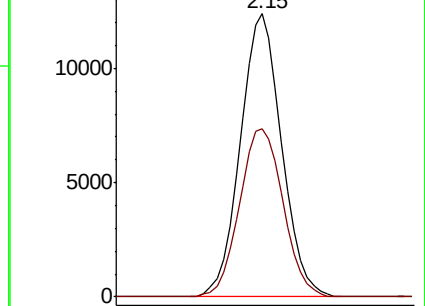
101 100

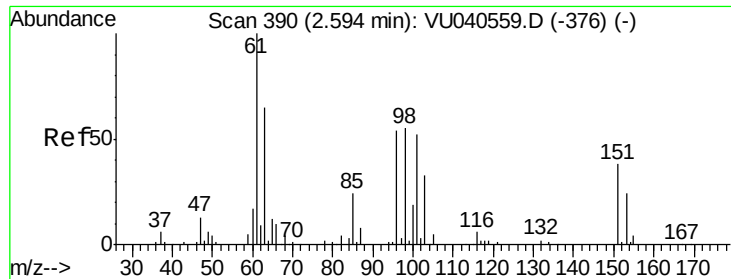
103 62.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040559.D (-240) (-)





#10

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

Concen: 0.987 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

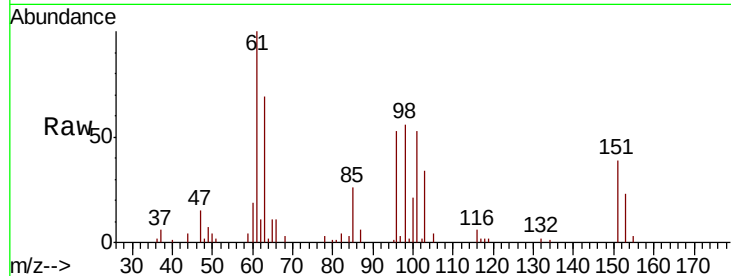
Tot Ion:101 Resp: 11102

Ion Ratio Lower Upper

101 100

85 47.1 36.7 55.1

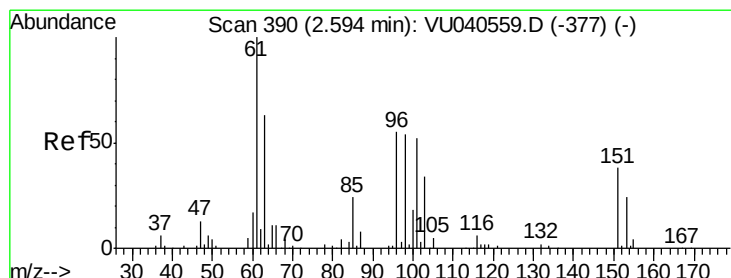
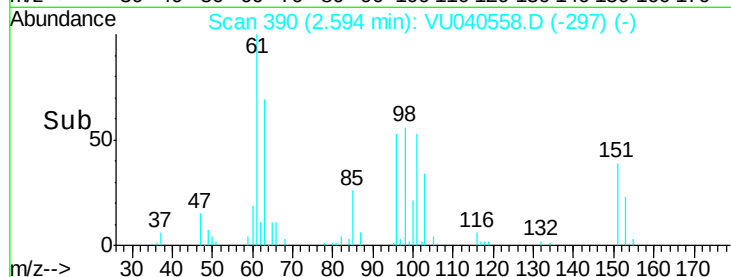
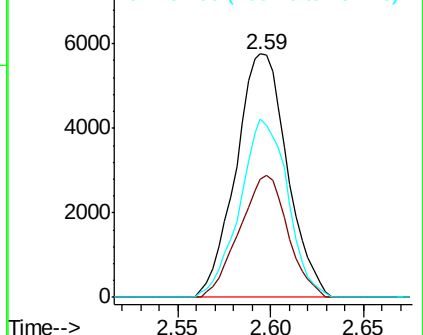
151 68.4 58.0 87.0



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: 0.954 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

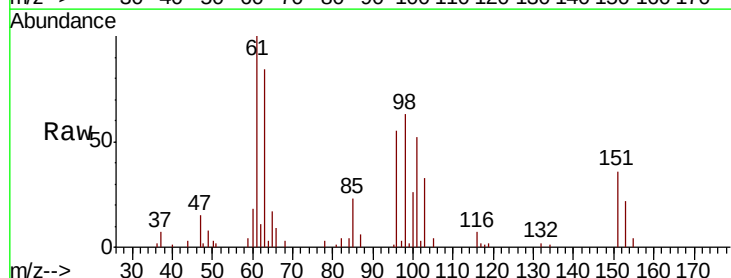
Tgt Ion: 96 Resp: 9557

Ion Ratio Lower Upper

96 100

61 182.9 128.8 239.2

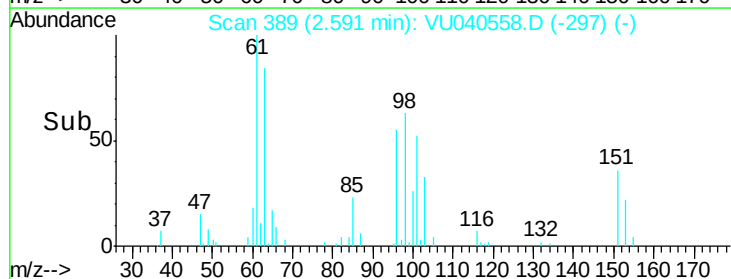
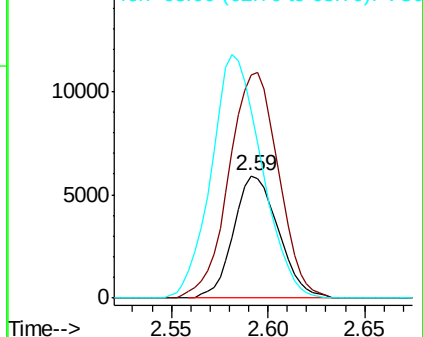
63 153.7 84.6 157.2

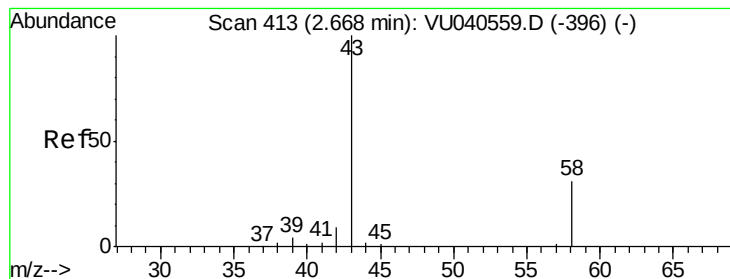


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.132 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

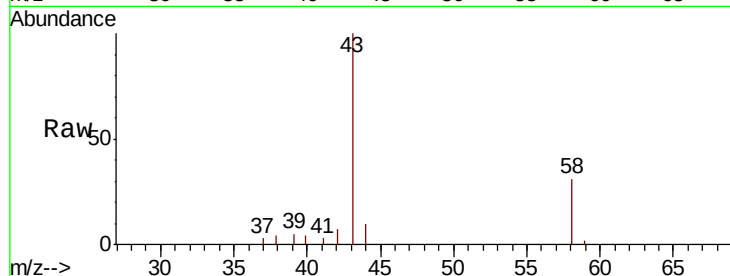
VSTD00106

Tot Ion: 43 Resp: 27937

Ion Ratio Lower Upper

43 100

58 17.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040558.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040558.D (-320) (-)

2.68

6000

5000

4000

3000

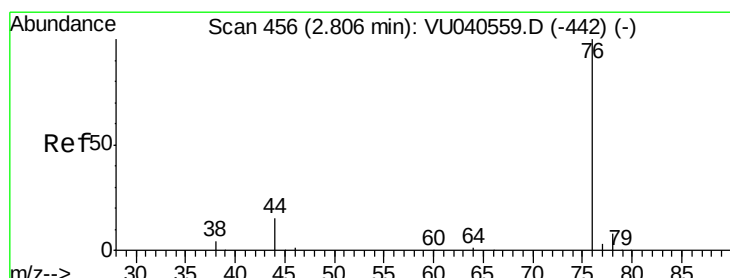
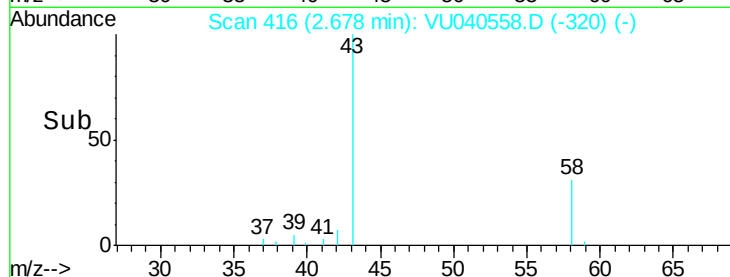
2000

1000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 0.882 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040558.D

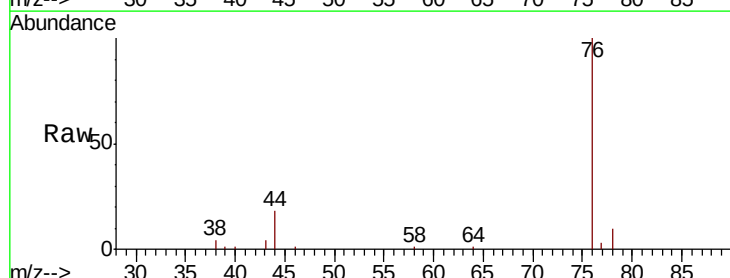
Acq: 08 Oct 2020 13:20

Tgt Ion: 76 Resp: 27255

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040558.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040558.D (-363) (-)

2.81

15000

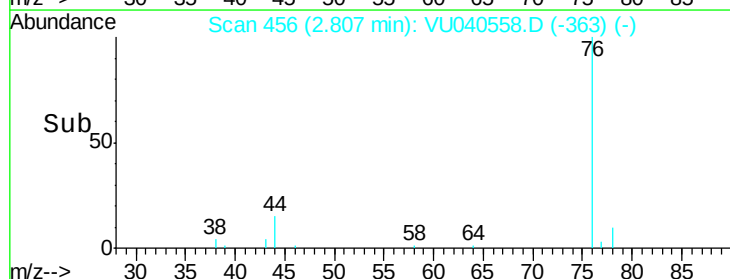
10000

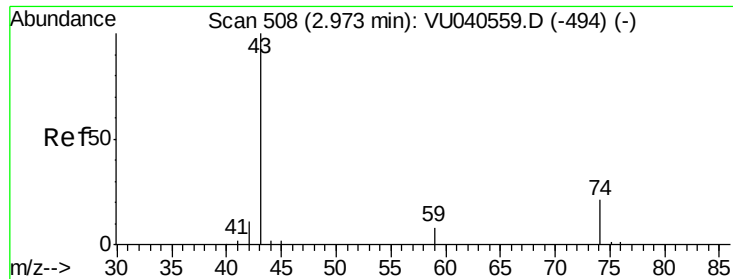
5000

0

Time-->

2.75 2.80 2.85

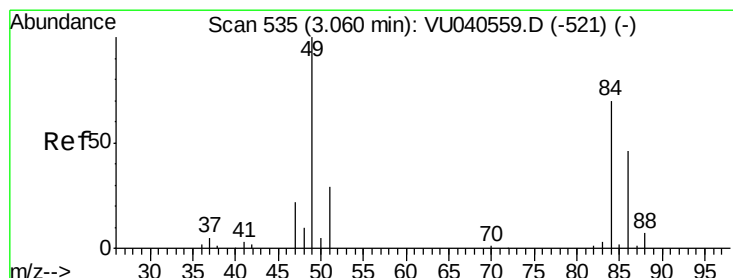
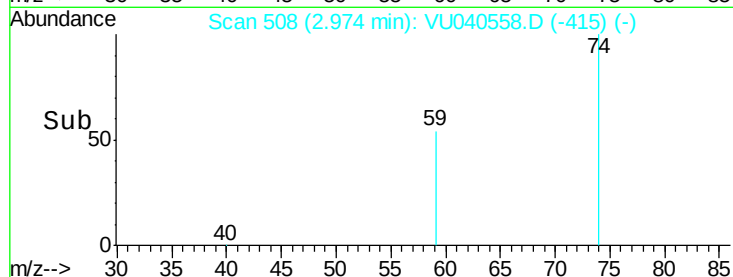
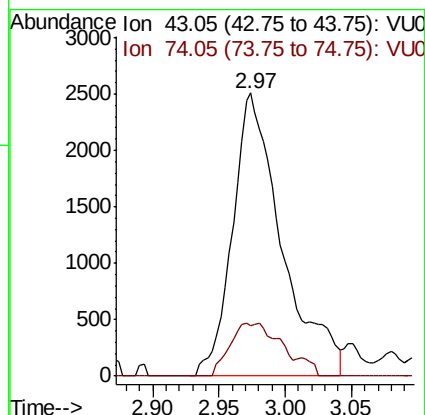
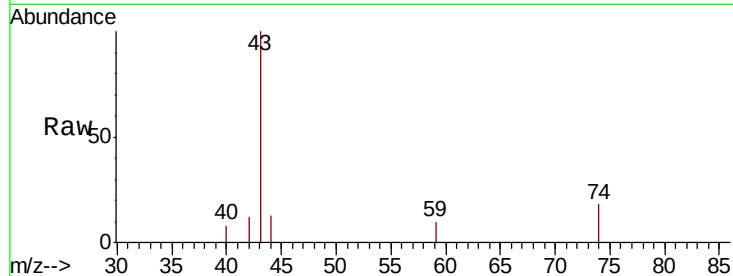




#15
Methvl Acetate
Concen: 0.993 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

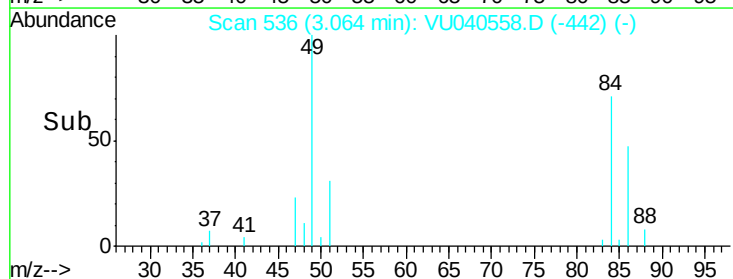
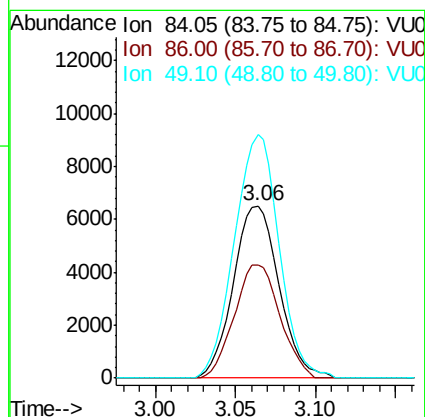
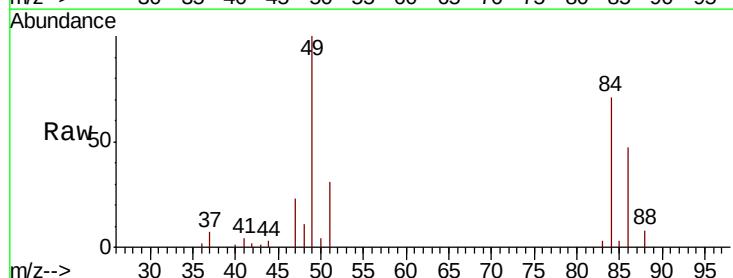
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

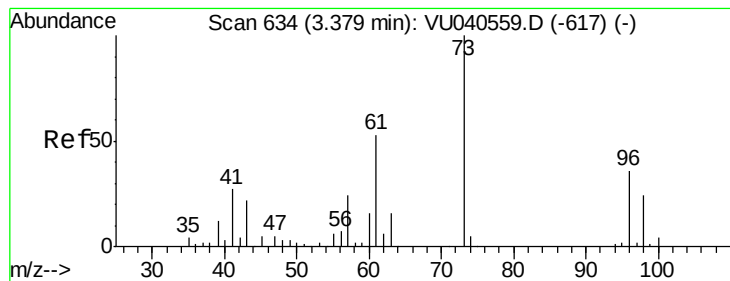
Tot Ion: 43 Resp: 6497
Ion Ratio Lower Upper
43 100
74 20.2 16.5 24.7



#16
Methylene chloride
Concen: 1.004 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion: 84 Resp: 12697
Ion Ratio Lower Upper
84 100
86 66.0 45.4 84.4
49 141.6 99.8 185.3



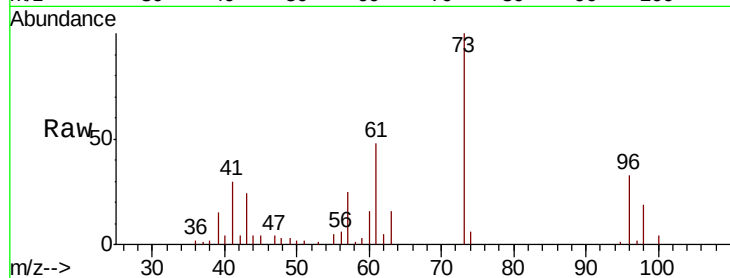


#17

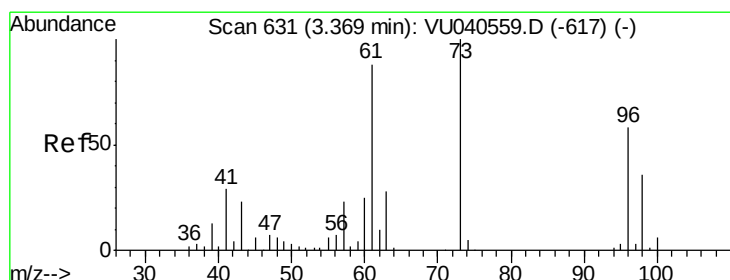
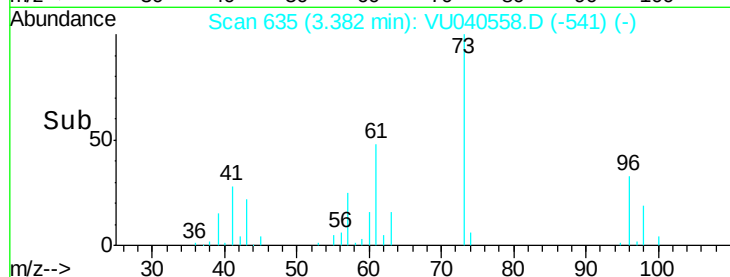
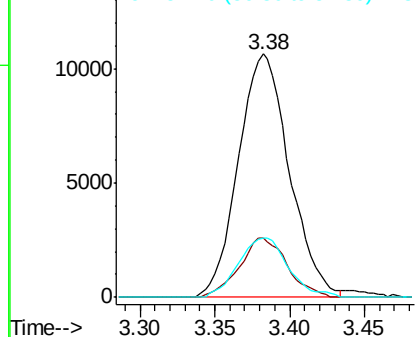
Methyl tert-butyl Ether
 Concen: 0.908 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tot Ion: 73 Resp: 25233
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.2 27.4
 57 24.0 18.6 28.0



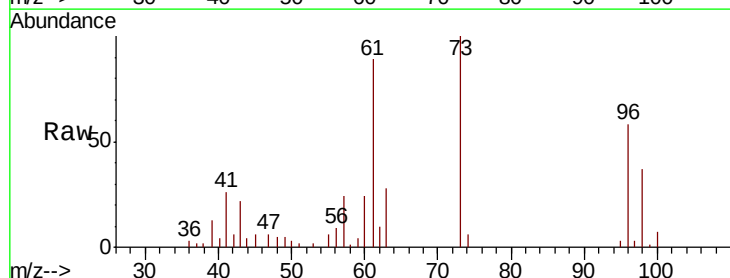
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



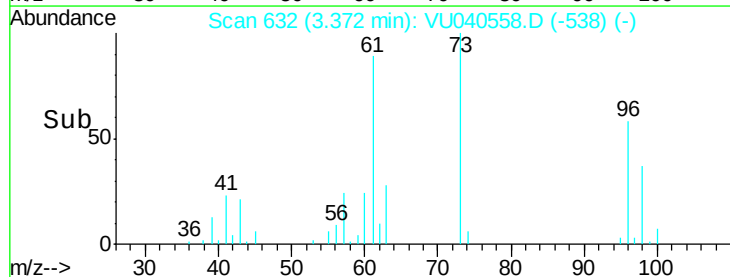
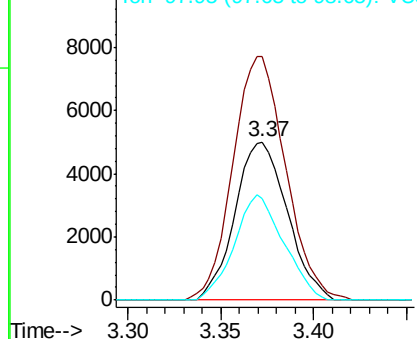
#18

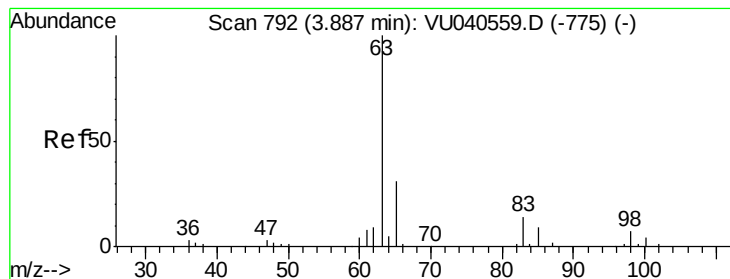
trans-1,2-Dichloroethene
 Concen: 0.952 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion: 96 Resp: 9802
 Ion Ratio Lower Upper
 96 100
 61 153.9 105.9 196.7
 98 64.3 43.8 81.3



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: 0.984 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

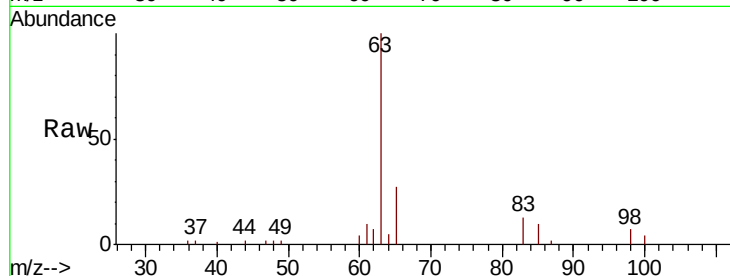
Tot Ion: 63 Resp: 20932

Ion Ratio Lower Upper

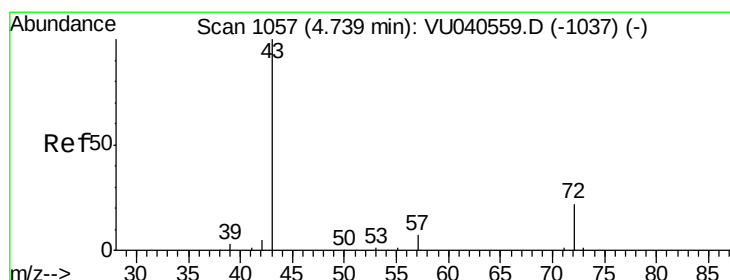
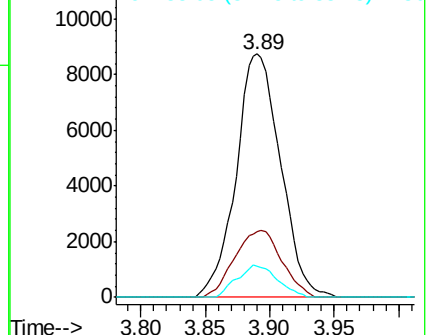
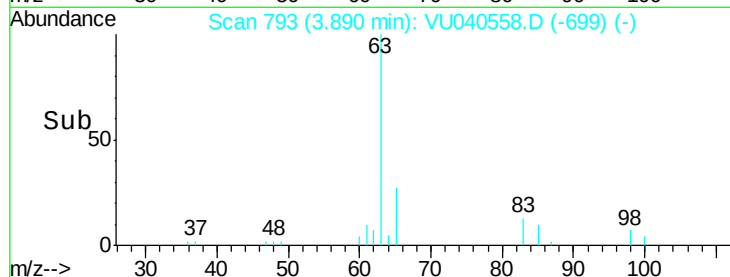
63 100

65 26.9 21.9 40.7

83 13.0 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040558.D (-699) (-)



#21

2-Butanone

Concen: 9.596 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU040558.D

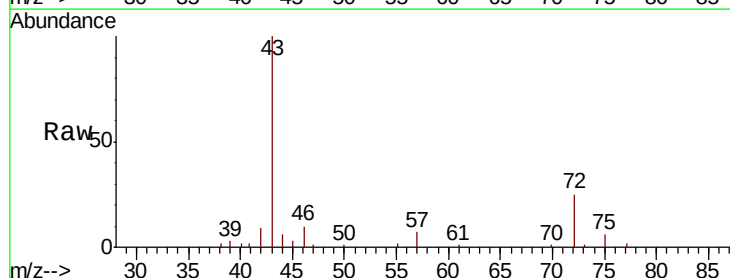
Acq: 08 Oct 2020 13:20

Tgt Ion: 43 Resp: 42131

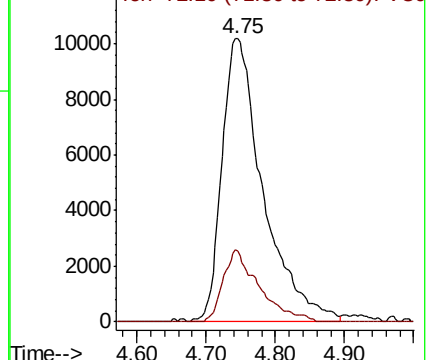
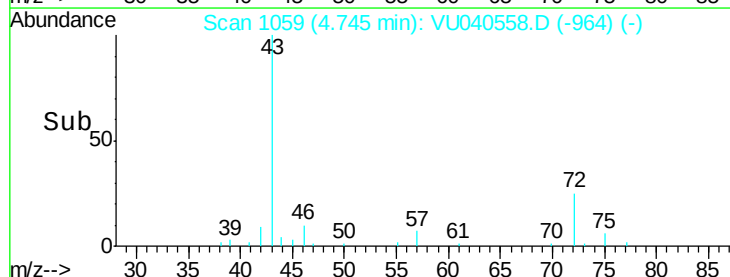
Ion Ratio Lower Upper

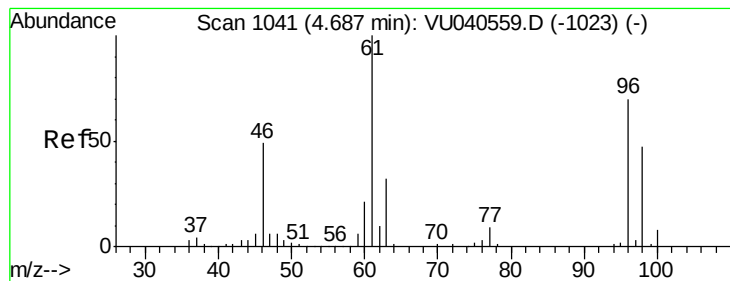
43 100

72 21.8 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040558.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.893 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

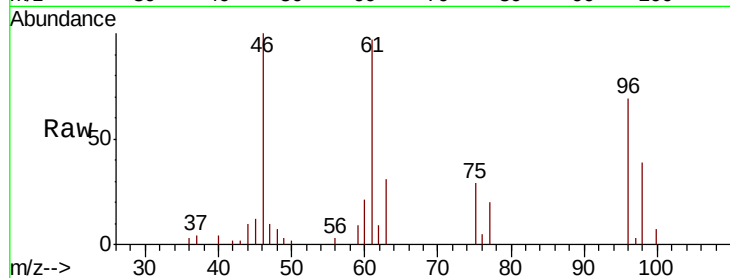
Tot Ion: 96 Resp: 10148

Ion Ratio Lower Upper

96 100

61 141.1 99.8 185.4

68 0.0 0.0 0.0

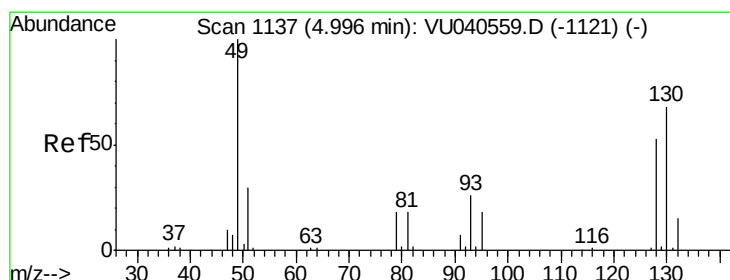
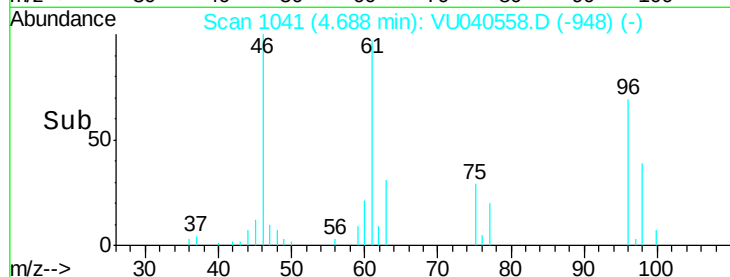


Abundance Ion 96.00 (95.70 to 96.70): VU040558.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU040558.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU040558.D (-1044) (-)

Time-->



#23

Bromochloromethane

Concen: 0.993 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Tgt Ion: 128 Resp: 5250

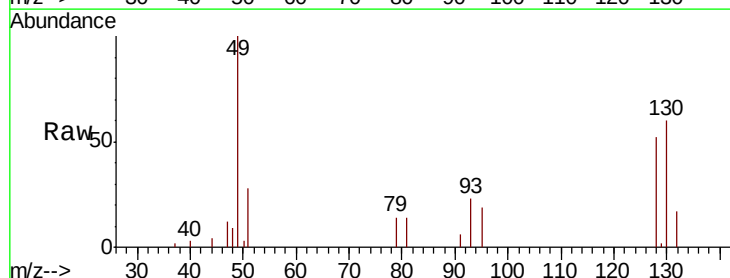
Ion Ratio Lower Upper

128 100

49 190.6 132.2 245.4

130 113.8 89.2 165.8

51 52.6 45.3 67.9



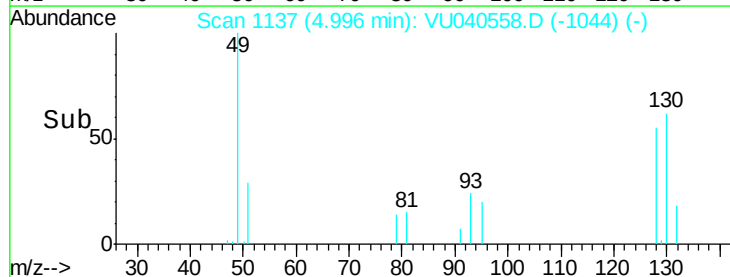
Abundance Ion 127.90 (127.60 to 128.60): VU040558.D (-1044) (-)

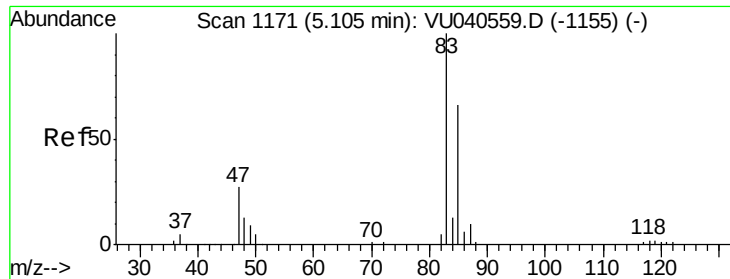
Ion 49.10 (48.80 to 49.80): VU040558.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU040558.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU040558.D (-1044) (-)

Time-->

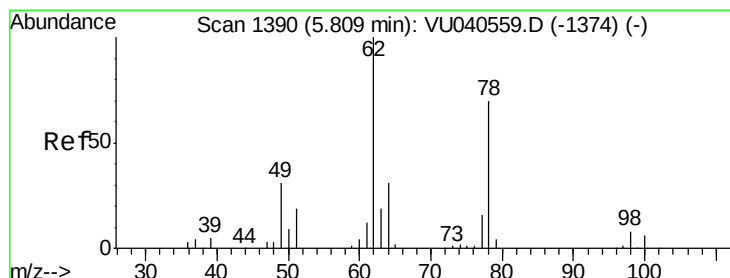
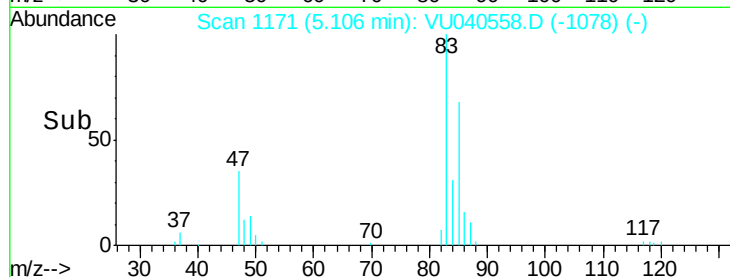
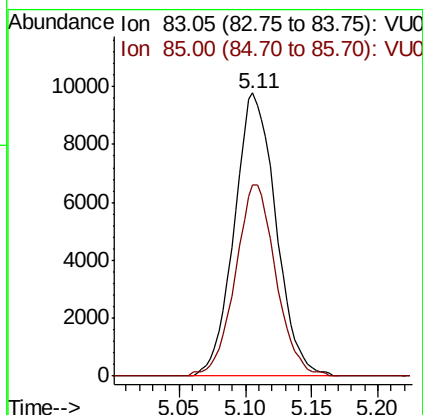
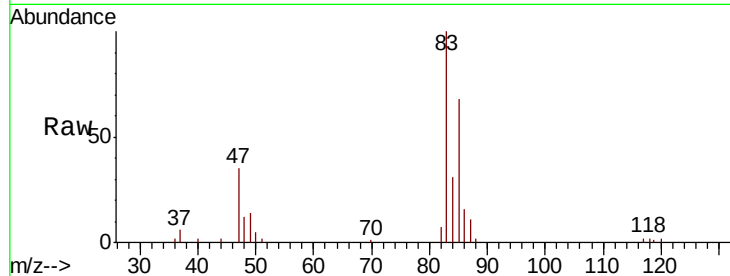




#25
Chloroform
Concen: 0.982 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

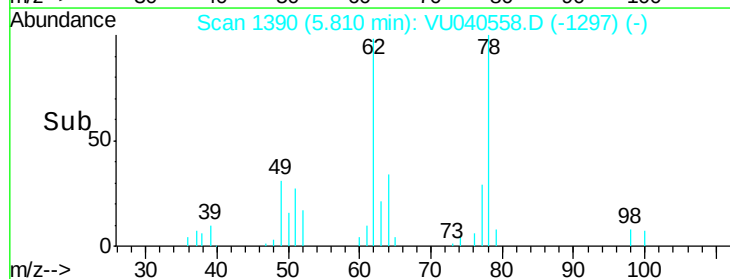
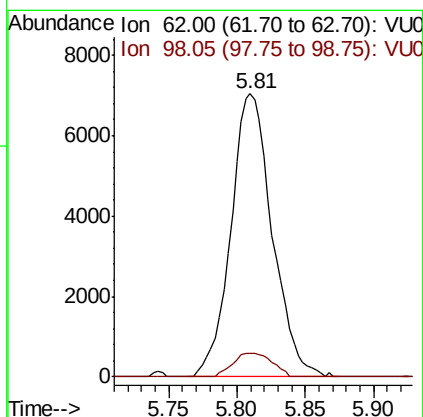
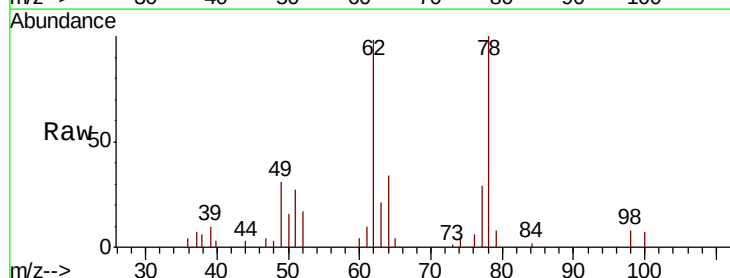
Instrument :
MSVOA_U
ClientSampled :
VSTD00106

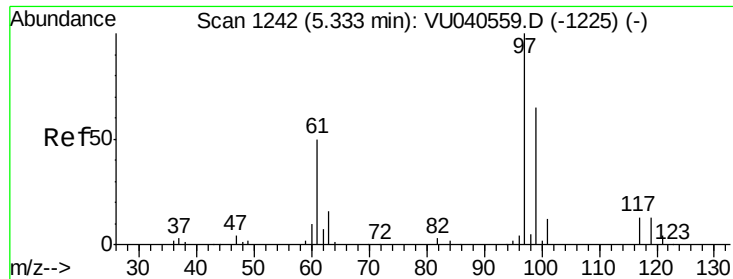
Tot Ion: 83 Resp: 21333
Ion Ratio Lower Upper
83 100
85 67.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.980 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion: 62 Resp: 14794
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0

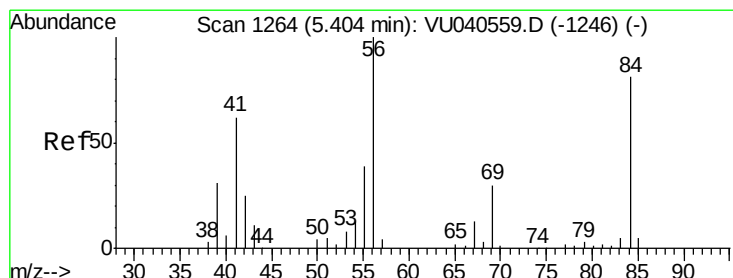
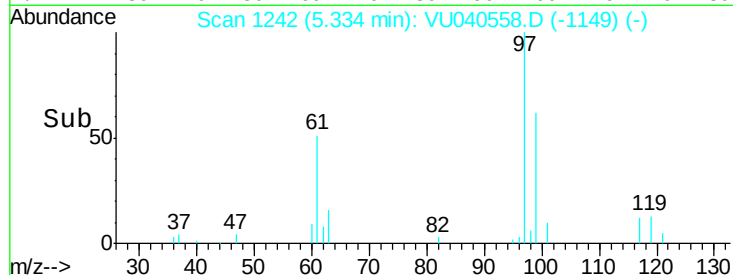
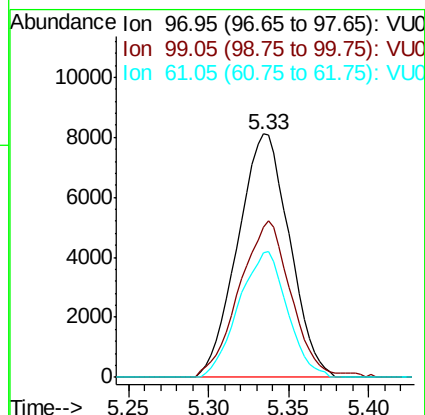
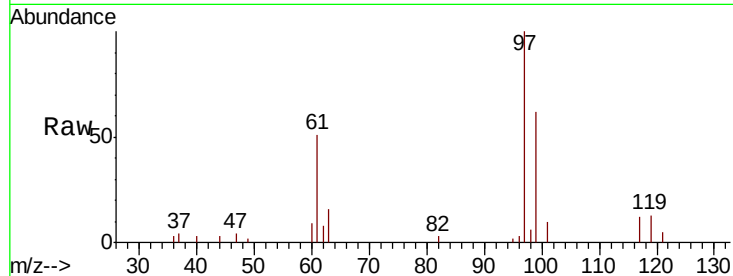




#29
 1,1,1-Trichloroethane
 Concen: 0.984 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

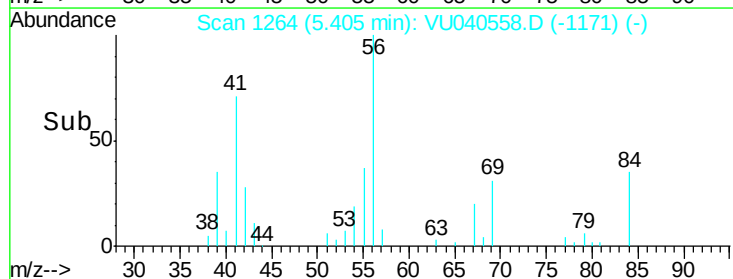
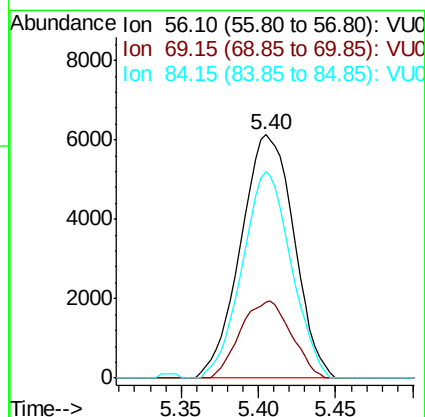
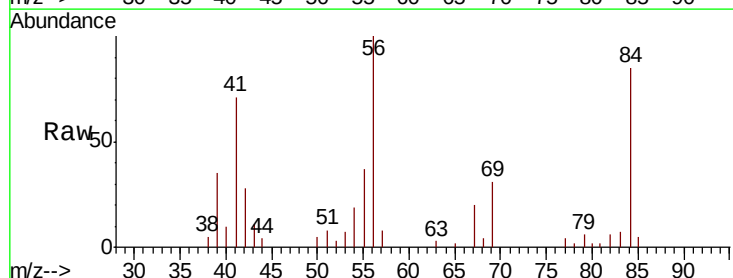
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00106

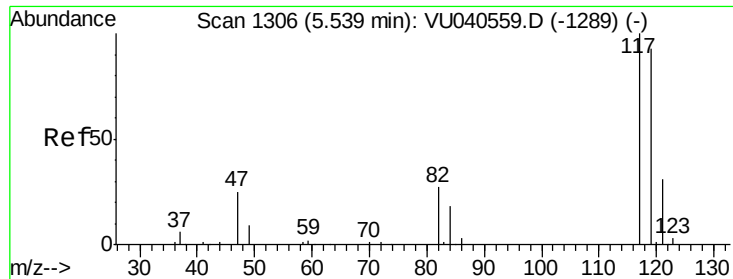
Tot Ion: 97 Resp: 17976
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 48.4 39.4 59.2



#30
 Cyclohexane
 Concen: 0.789 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion: 56 Resp: 14671
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.8 35.8
 84 77.9 64.0 96.0





#31

Carbon tetrachloride

Concen: 0.961 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

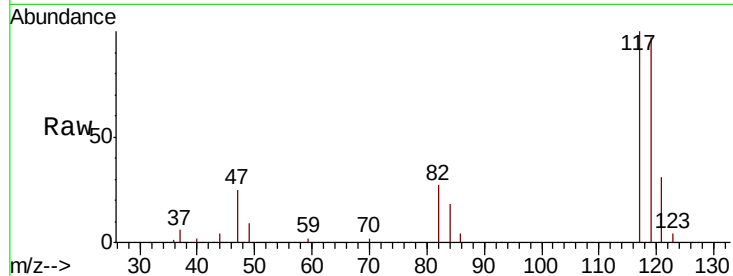
VSTD00106

Tot Ion:117 Resp: 15093

Ion Ratio Lower Upper

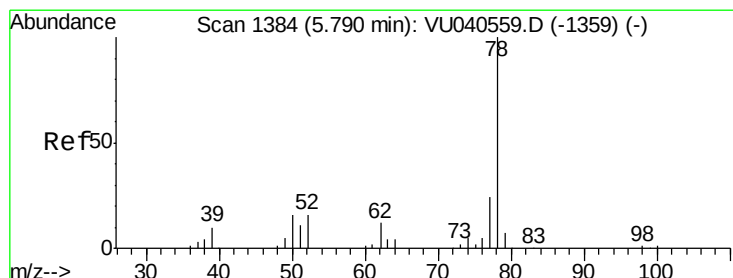
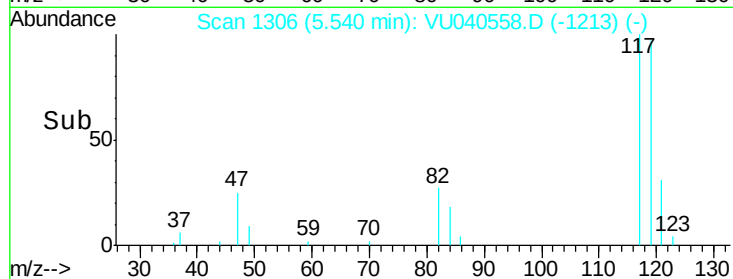
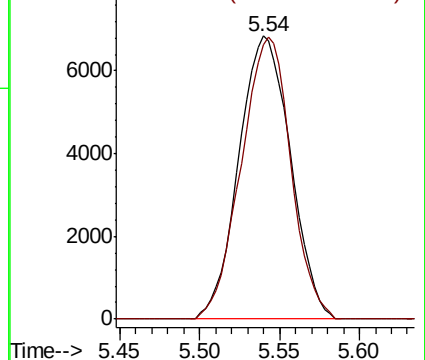
117 100

119 96.1 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: 0.920 ug/L

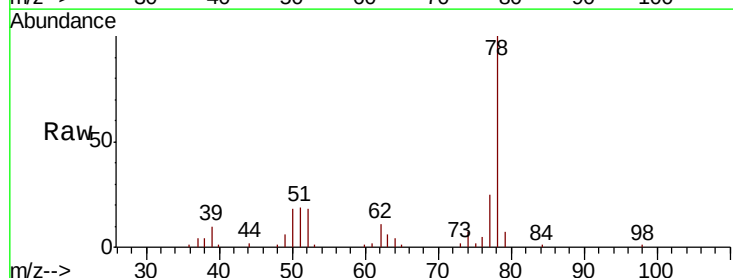
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

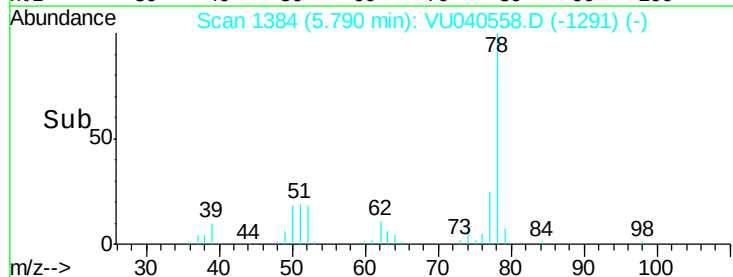
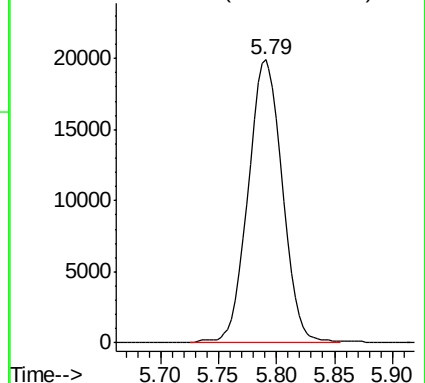
Lab File: VU040558.D

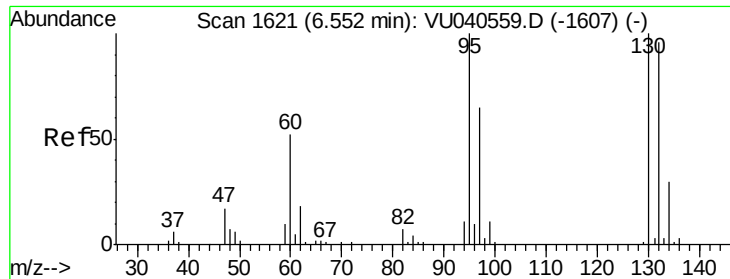
Acq: 08 Oct 2020 13:20

Tgt Ion: 78 Resp: 41173



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.907 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

Tot Ion: 95 Resp: 10737

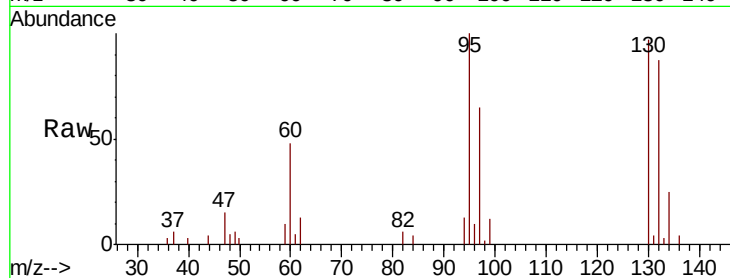
Ion Ratio Lower Upper

95 100

97 65.2 45.5 84.5

132 86.7 67.5 125.4

130 96.5 69.9 129.9

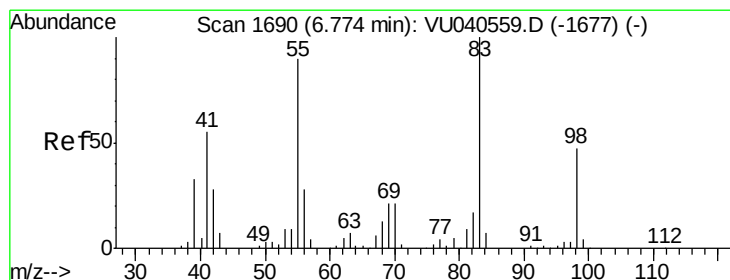
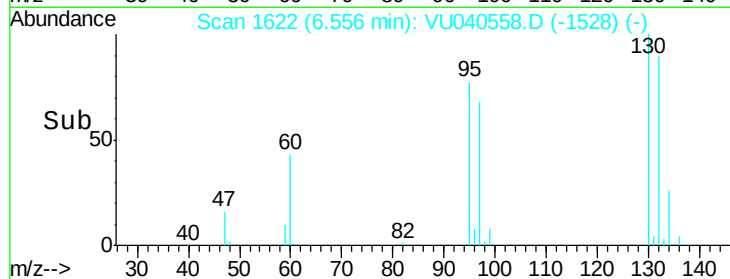
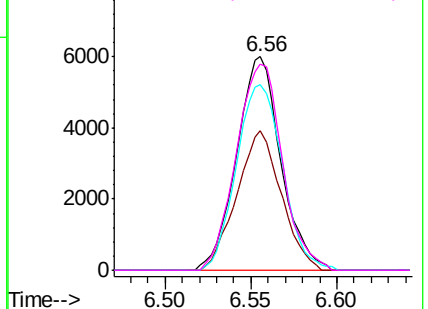


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.805 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

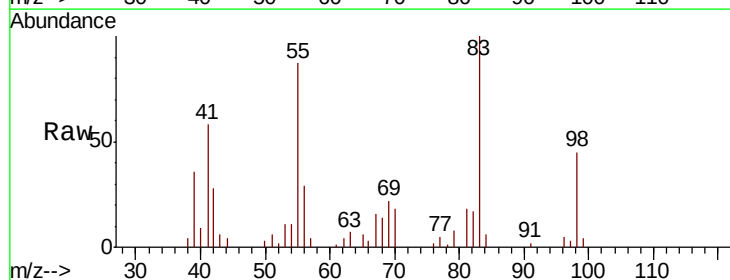
Tgt Ion: 83 Resp: 13891

Ion Ratio Lower Upper

83 100

55 94.4 70.7 106.1

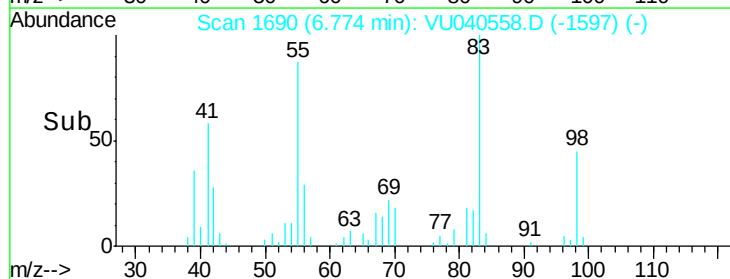
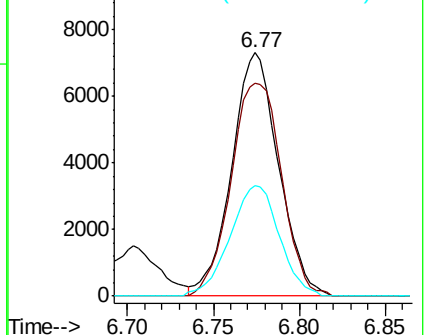
98 47.8 38.4 57.6

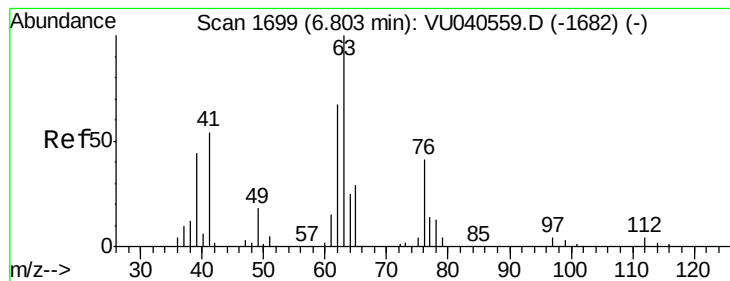


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.909 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

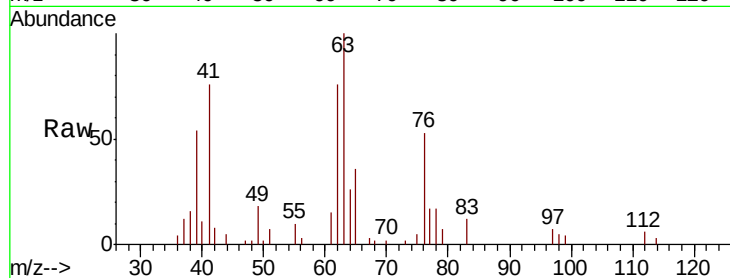
VSTD00106

Tot Ion: 63 Resp: 11442

Ion Ratio Lower Upper

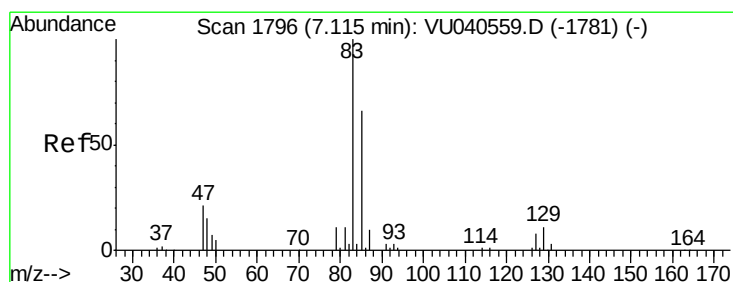
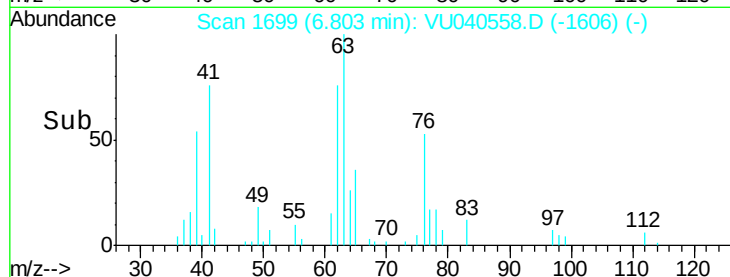
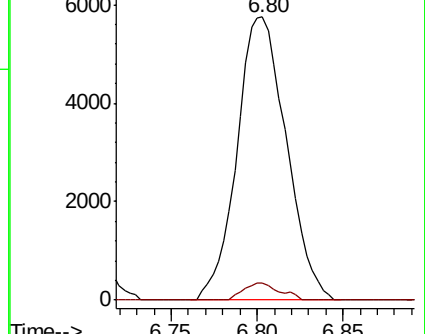
63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040558.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040558.D (-1606) (-)



#38

Bromodichloromethane

Concen: 0.980 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

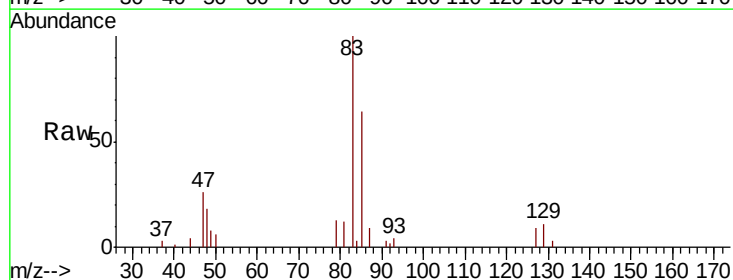
Tgt Ion: 83 Resp: 15146

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

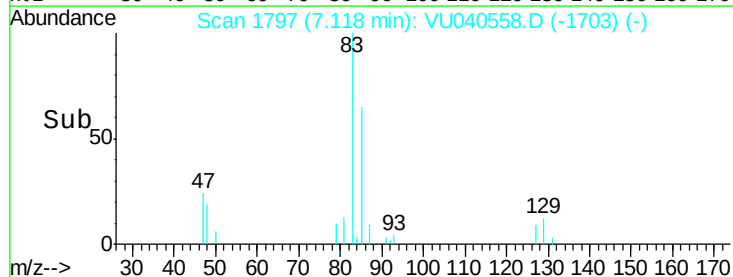
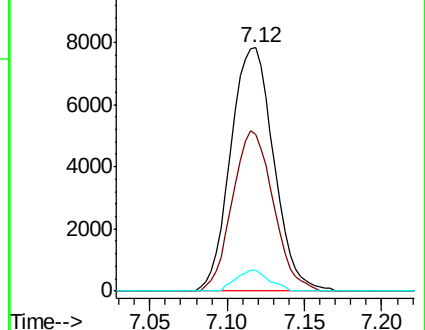
127 8.5 6.7 10.1

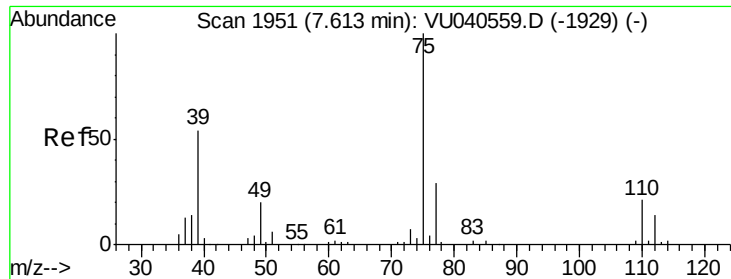


Abundance Ion 82.95 (82.65 to 83.65): VU040558.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU040558.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU040558.D (-1703) (-)

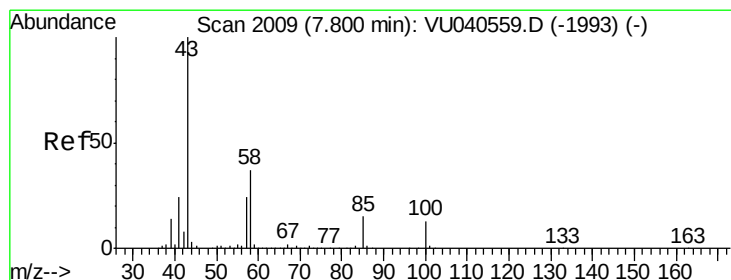
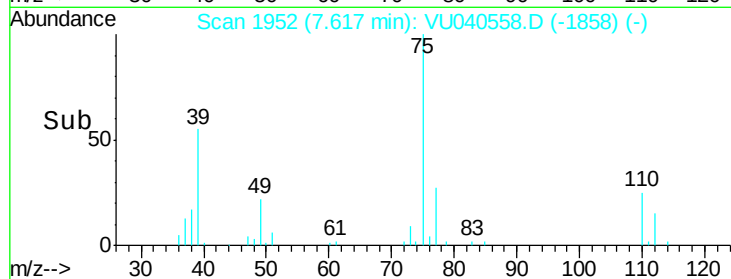
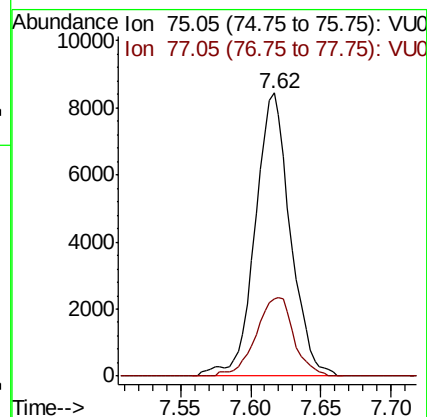
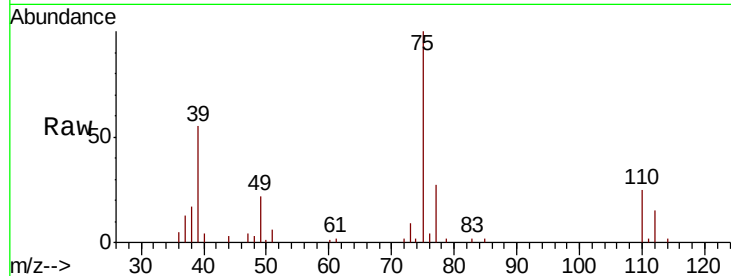




#39
 cis-1,3-Dichloropropene
 Concen: 0.876 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

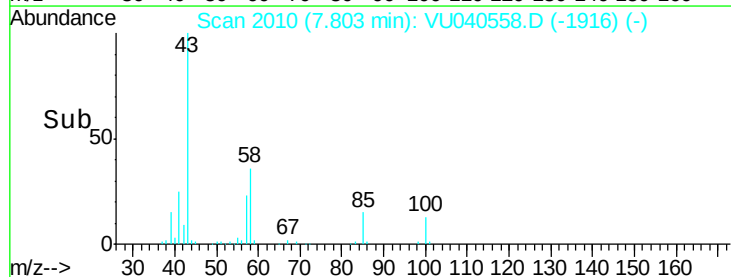
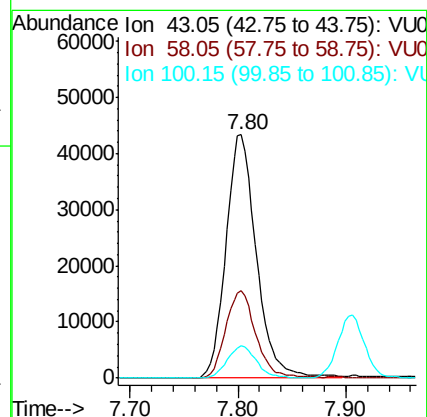
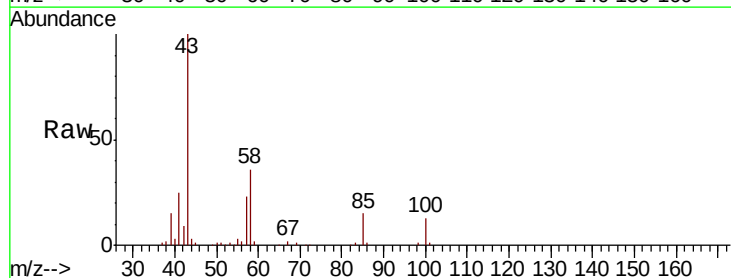
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

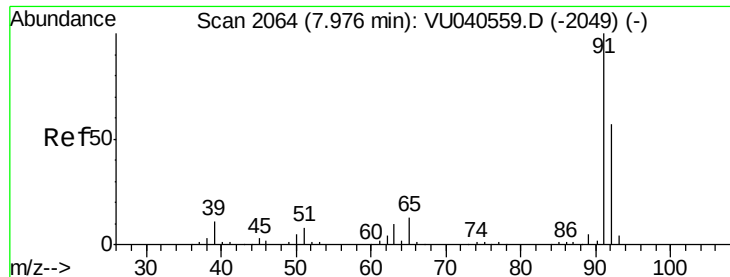
Tot Ion: 75 Resp: 14702
 Ion Ratio Lower Upper
 75 100
 77 27.2 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 8.690 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion: 43 Resp: 85230
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.7 44.5
 100 12.7 10.7 16.1





#42

Toluene

Concen: 0.882 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

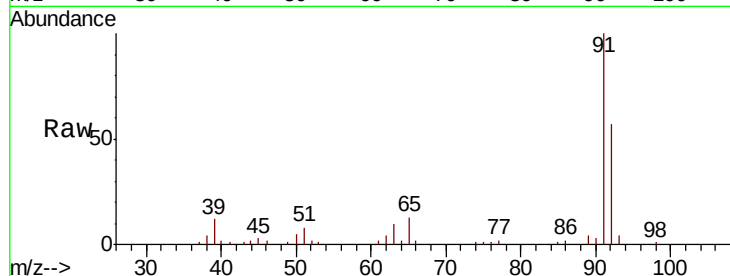
VSTD00106

Tot Ion: 91 Resp: 40460

Ion Ratio Lower Upper

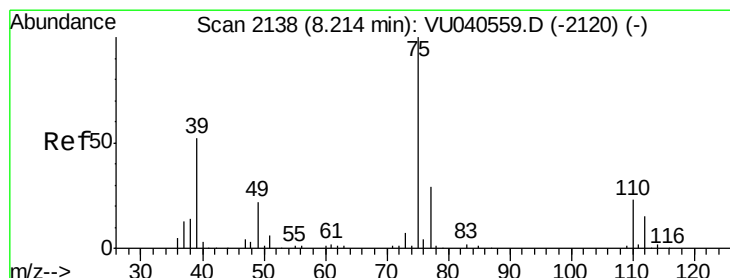
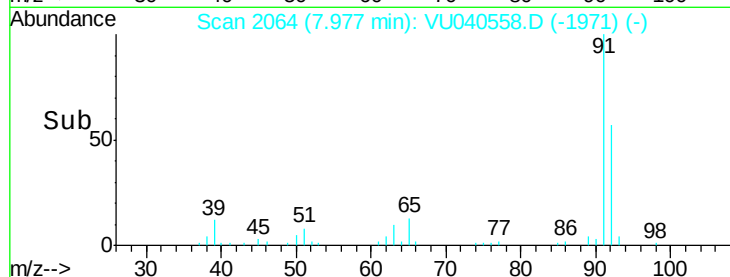
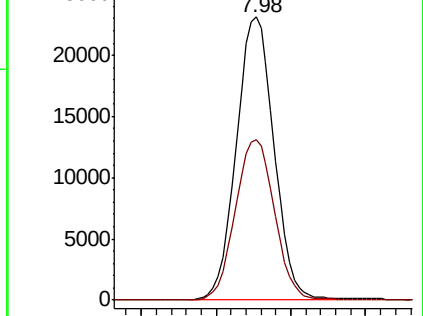
91 100

92 56.5 40.2 74.6



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: 0.855 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040558.D

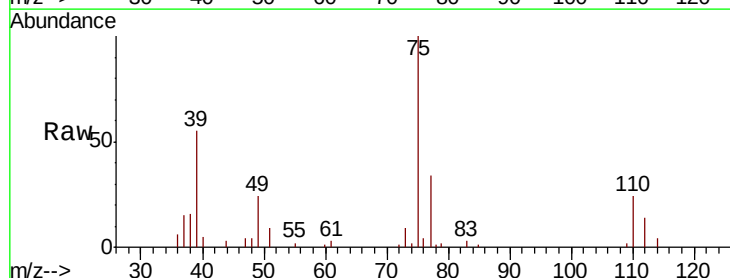
Acq: 08 Oct 2020 13:20

Tgt Ion: 75 Resp: 13319

Ion Ratio Lower Upper

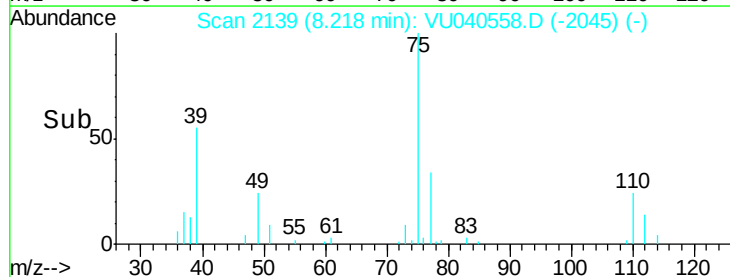
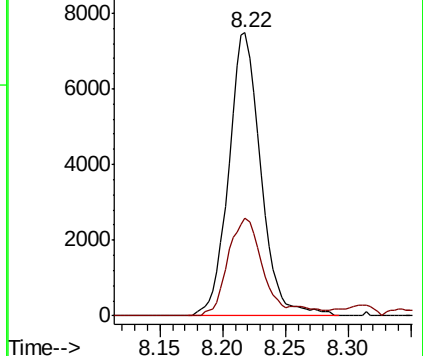
75 100

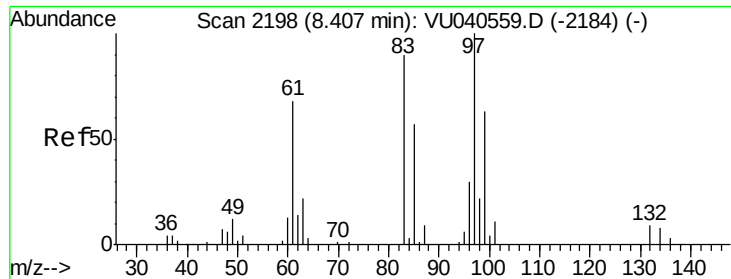
77 34.4 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

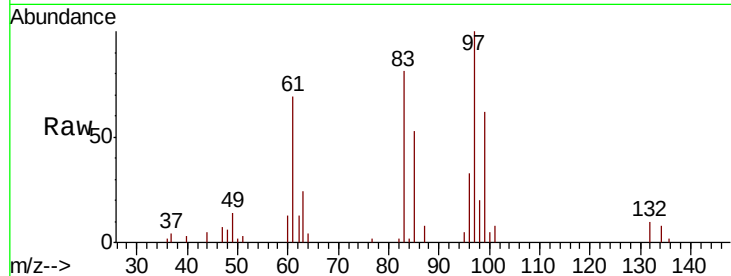




#45
1,1,2-Trichloroethane
Concen: 1.029 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tot Ion:	97	Resp:	9086
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.0	81.6
83	81.1	62.9	116.9
85	53.0	40.3	74.8



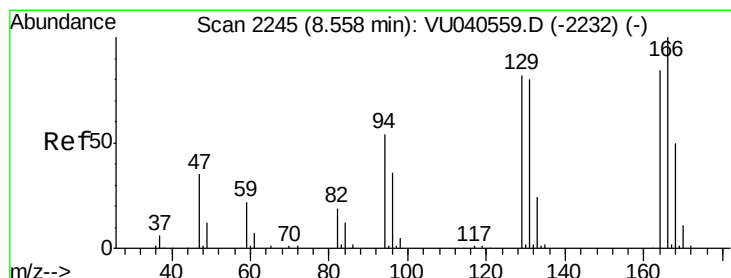
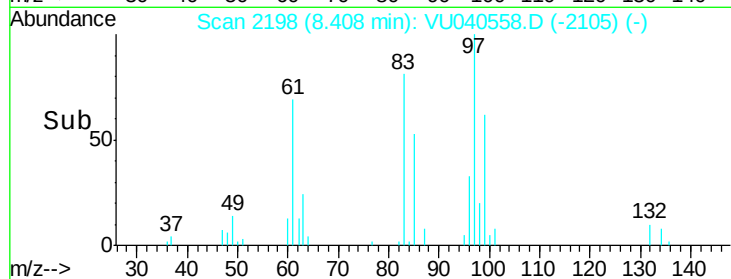
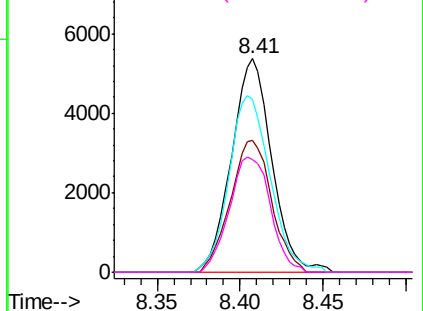
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

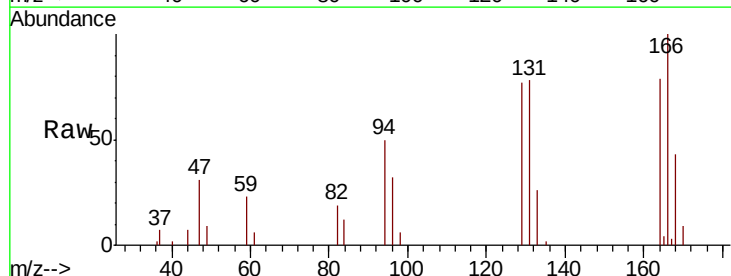
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 0.915 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion:	164	Resp:	7769
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.8	127.8
131	97.9	66.7	123.9
166	126.1	83.9	155.7



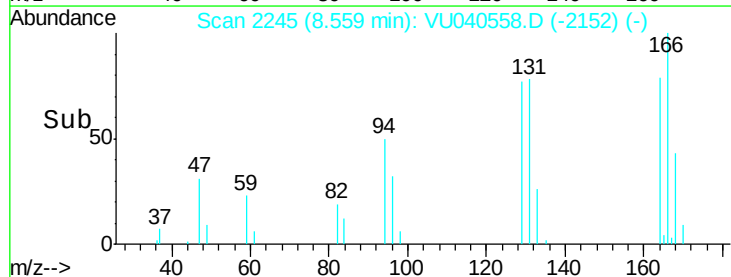
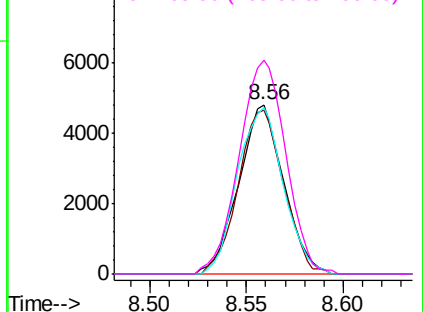
Abundance

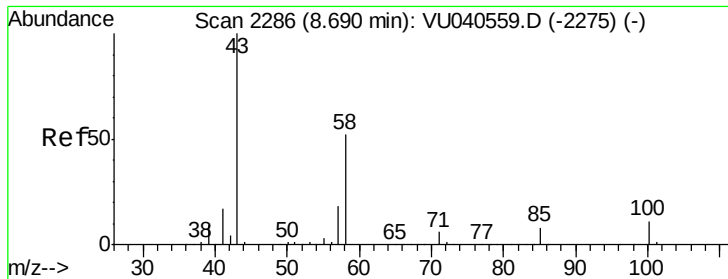
Ion 163.90 (163.60 to 164.60): V

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

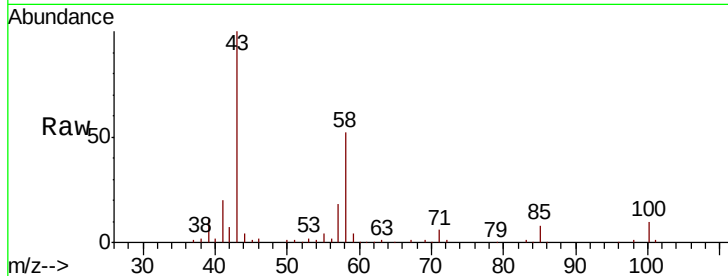




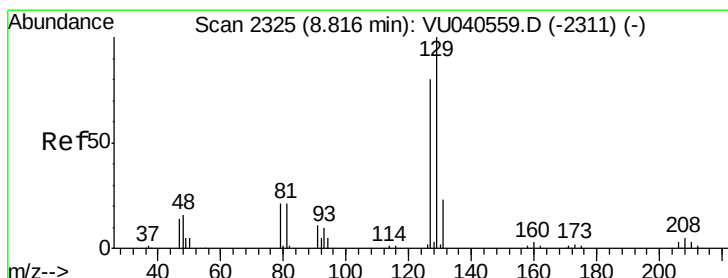
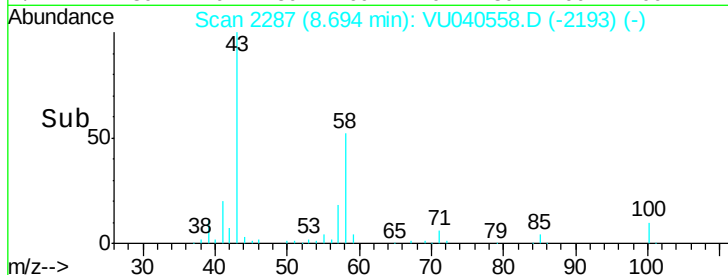
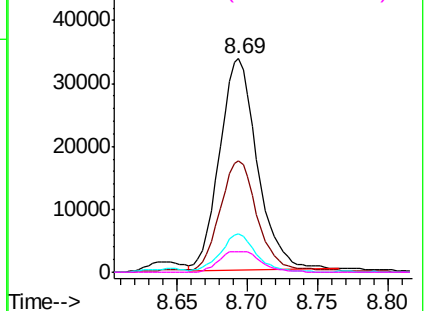
#48
2-Hexanone
Concen: 8.647 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tot Ion: 43 Resp: 62894
Ion Ratio Lower Upper
43 100
58 52.3 41.0 61.6
57 17.3 14.4 21.6
100 10.9 8.6 13.0

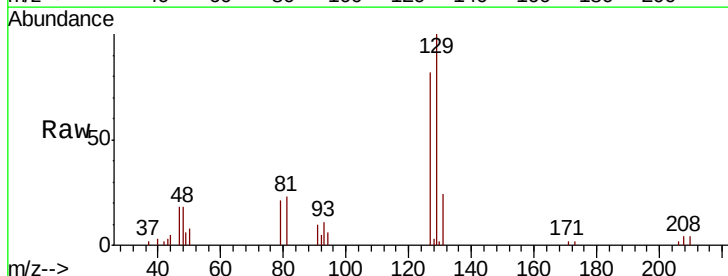


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

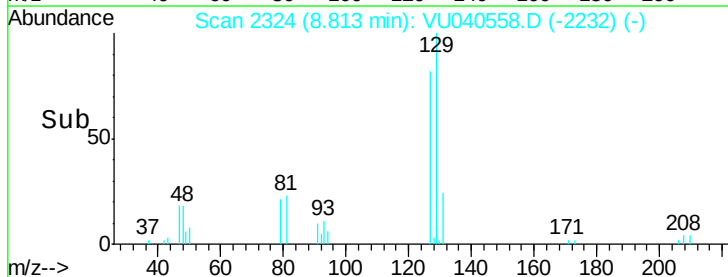
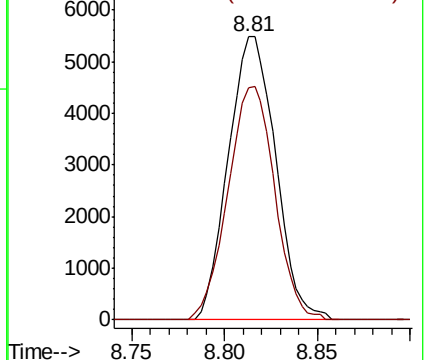


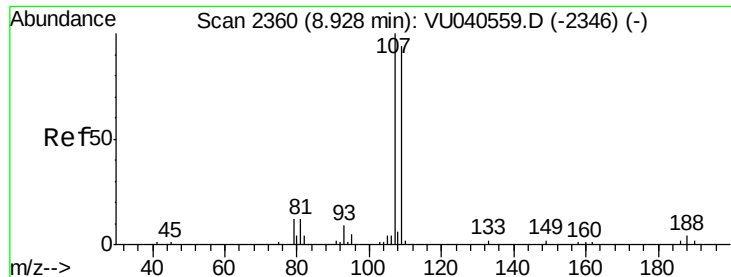
#49
Dibromochloromethane
Concen: 0.941 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion: 129 Resp: 9719
Ion Ratio Lower Upper
129 100
127 82.0 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

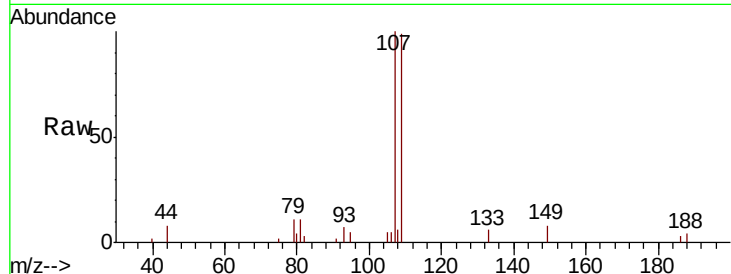




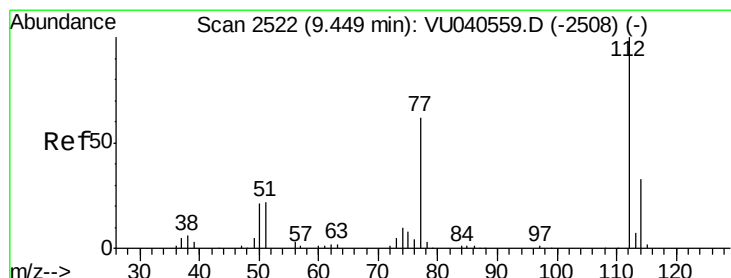
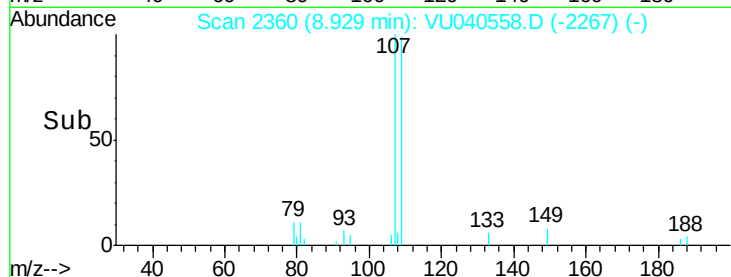
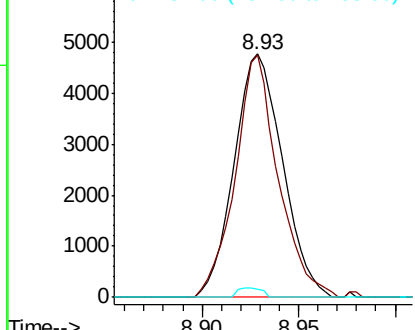
#50
1,2-Dibromoethane
Concen: 0.990 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tot Ion:107 Resp: 8298
Ion Ratio Lower Upper
107 100
109 99.3 65.7 121.9
188 3.5 3.0 4.4

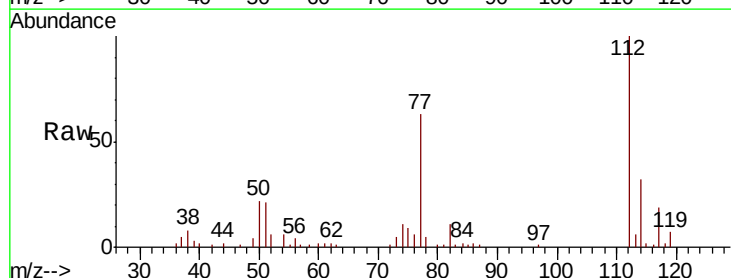


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

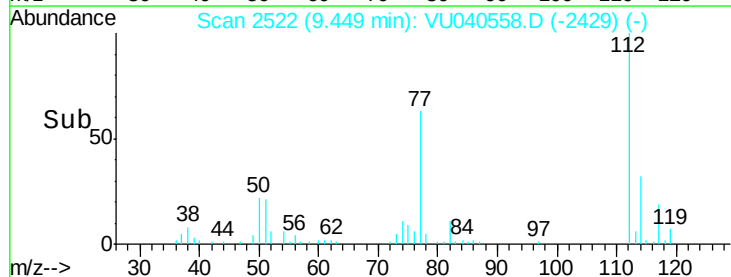
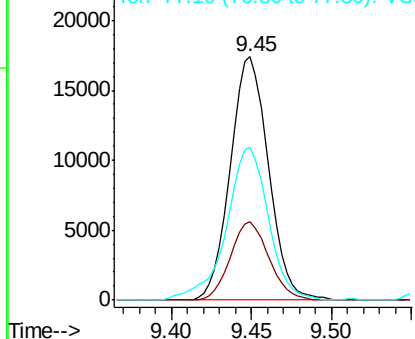


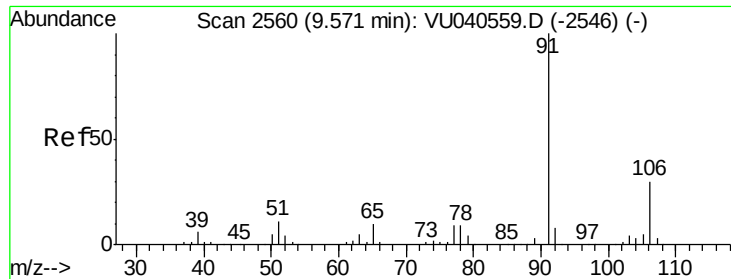
#51
Chlorobenzene
Concen: 0.955 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion:112 Resp: 28297
Ion Ratio Lower Upper
112 100
114 32.0 23.1 42.9
77 62.7 50.3 75.5



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): V





#52

Ethylbenzene

Concen: 0.856 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

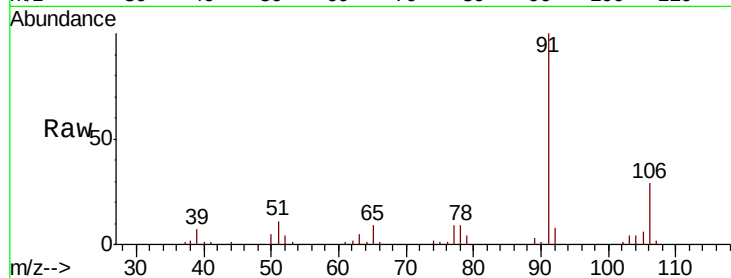
VSTD00106

Tot Ion: 91 Resp: 42613

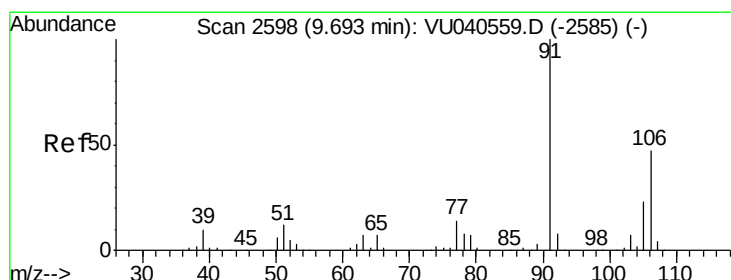
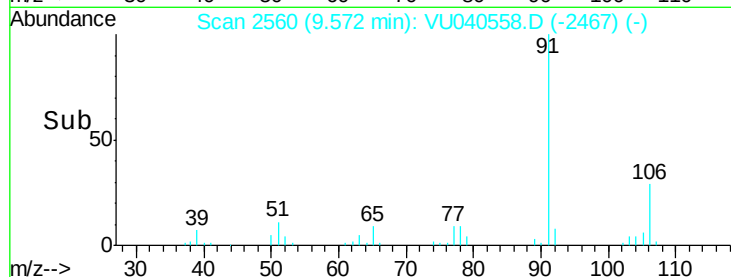
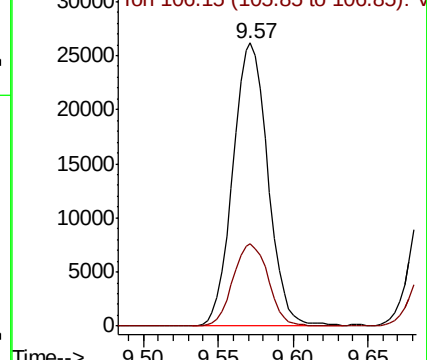
Ion Ratio Lower Upper

91 100

106 29.1 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040558.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.823 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040558.D

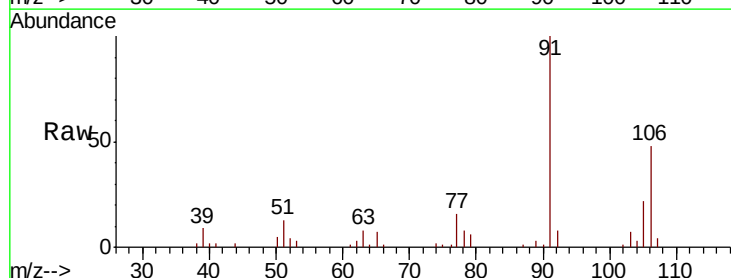
Acq: 08 Oct 2020 13:20

Tgt Ion: 106 Resp: 15263

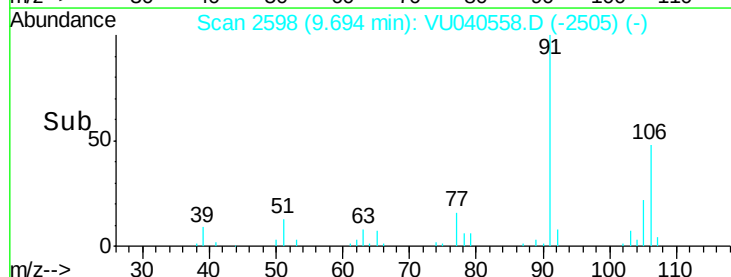
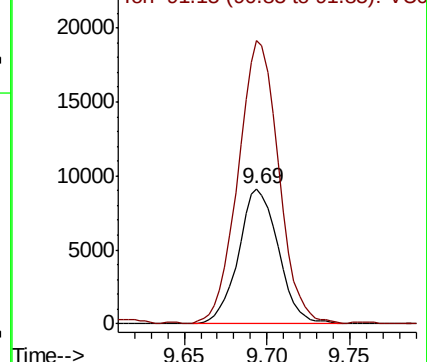
Ion Ratio Lower Upper

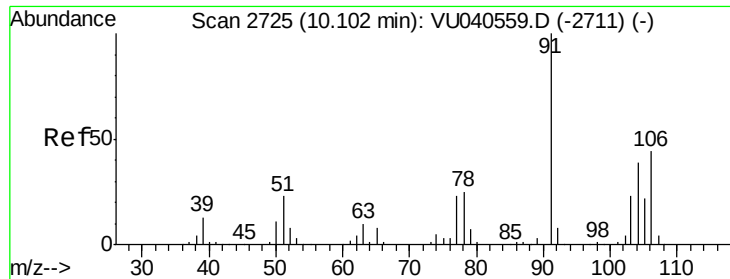
106 100

91 209.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040558.D (-2585) (-)

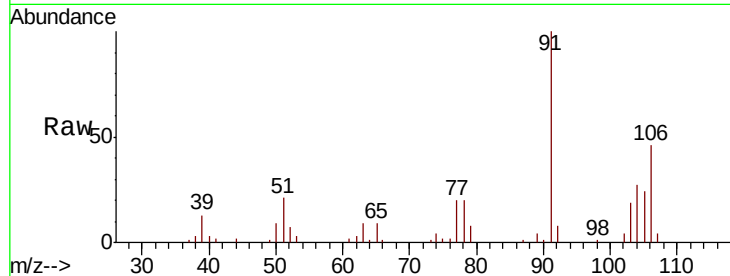




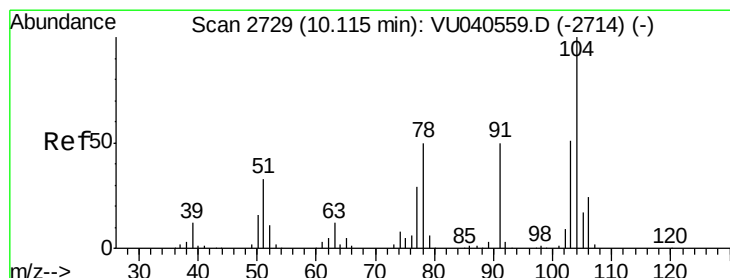
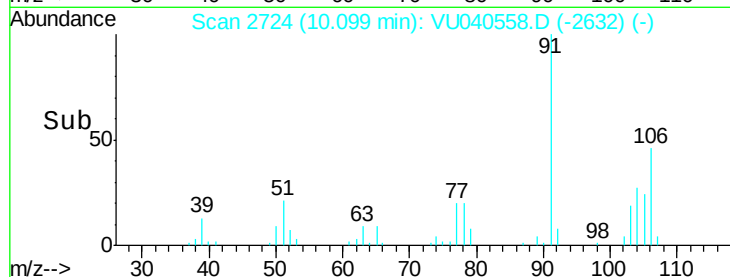
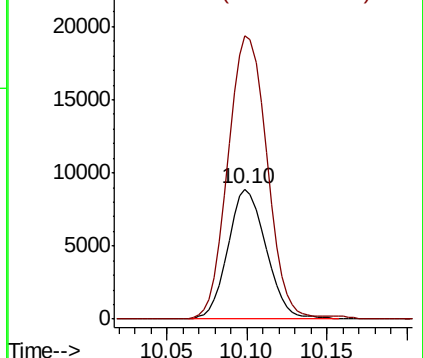
#54
o-Xylene
Concen: 0.830 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tot Ion:106 Resp: 14471
Ion Ratio Lower Upper
106 100
91 217.4 160.2 297.4

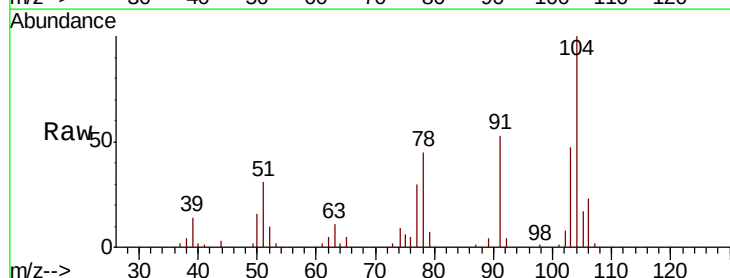


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

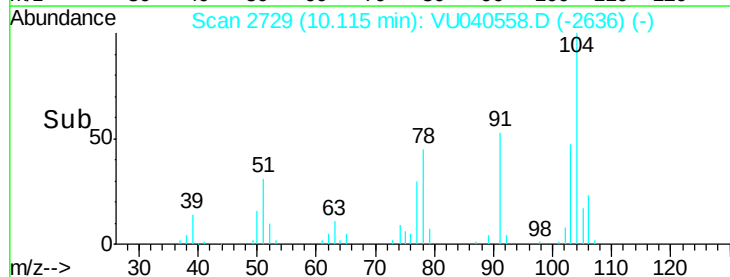
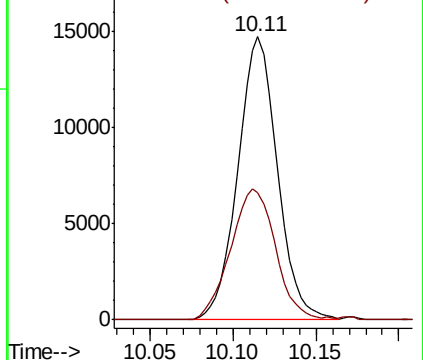


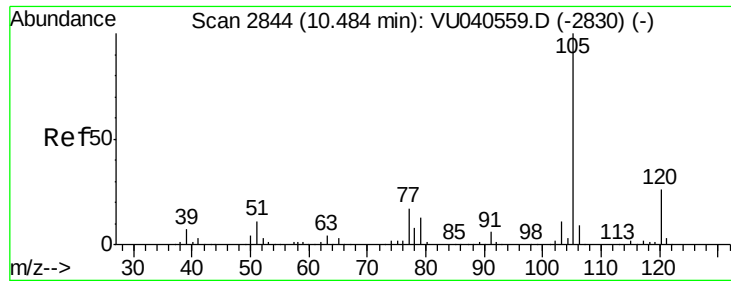
#55
Styrene
Concen: 0.805 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040558.D
Acq: 08 Oct 2020 13:20

Tgt Ion:104 Resp: 24449
Ion Ratio Lower Upper
104 100
78 44.8 34.6 64.3



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





#56

Isopropylbenzene

Concen: 0.813 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

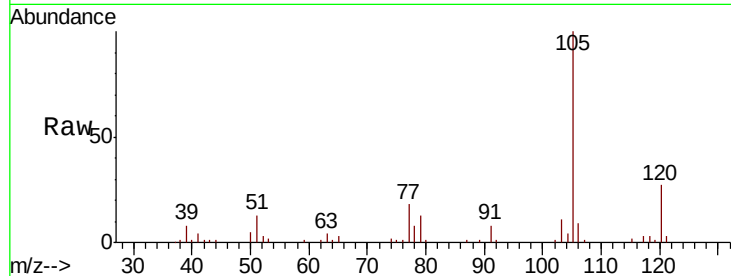
Tot Ion:105 Resp: 38225

Ion Ratio Lower Upper

105 100

120 26.5 20.6 30.8

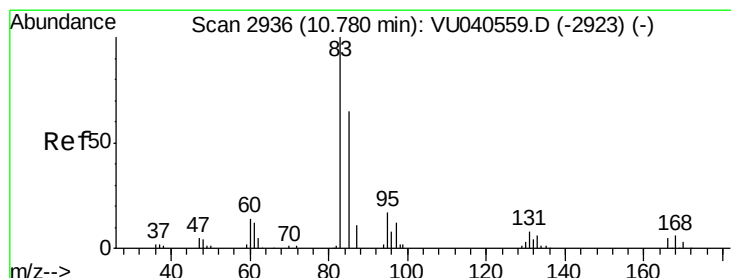
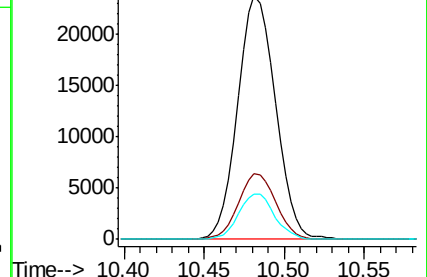
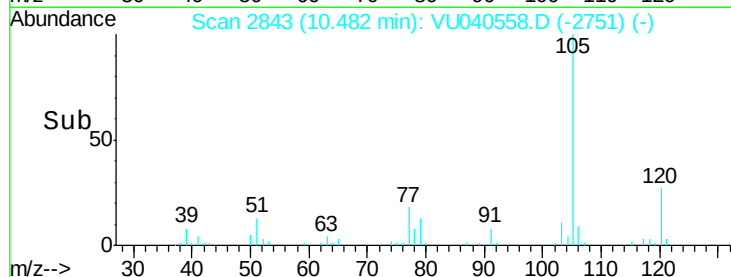
77 17.5 13.8 20.6



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: 0.990 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

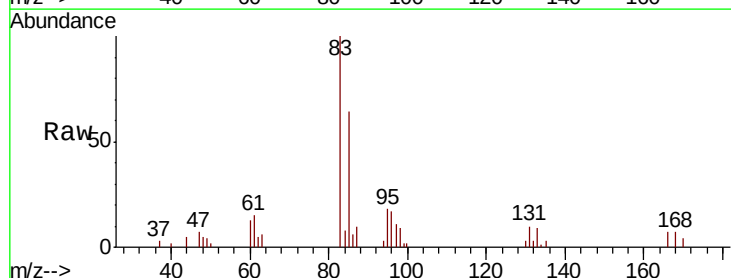
Tgt Ion: 83 Resp: 11766

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

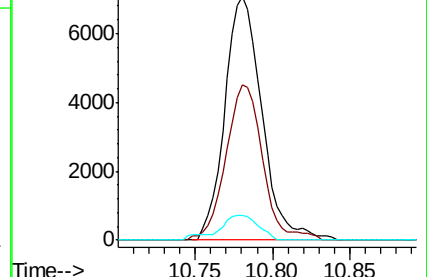
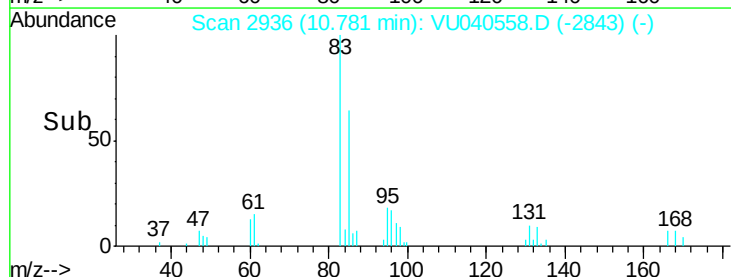
131 10.1 7.1 10.7

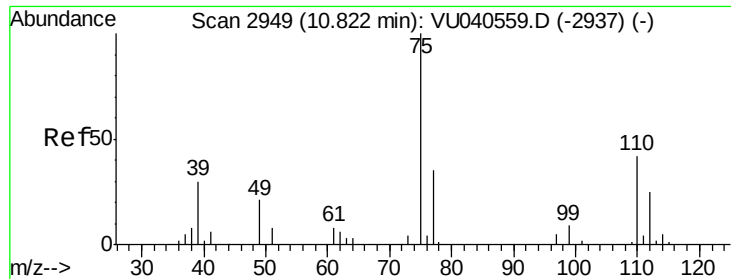


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

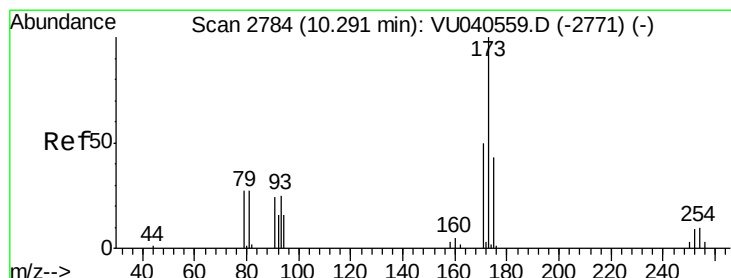
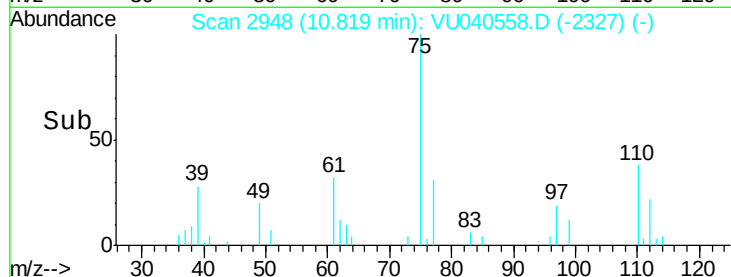
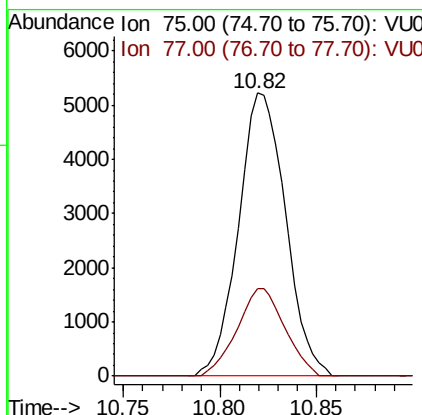
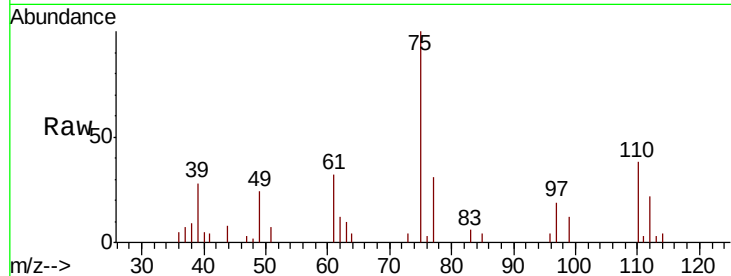




#59
 1,2,3-Trichloropropane
 Concen: 0.978 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

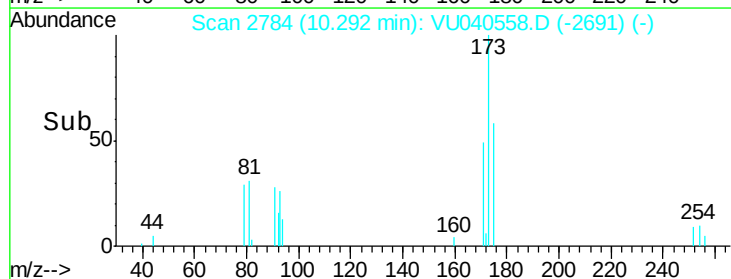
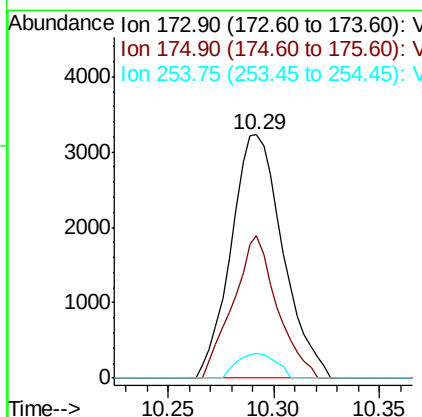
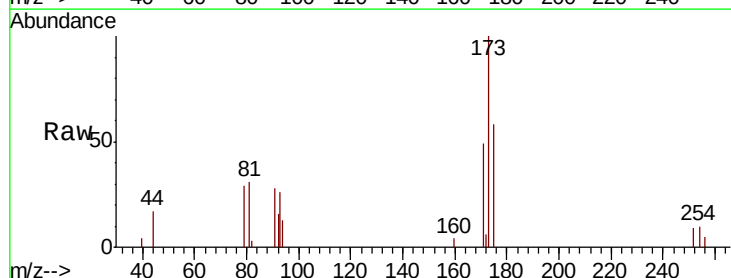
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

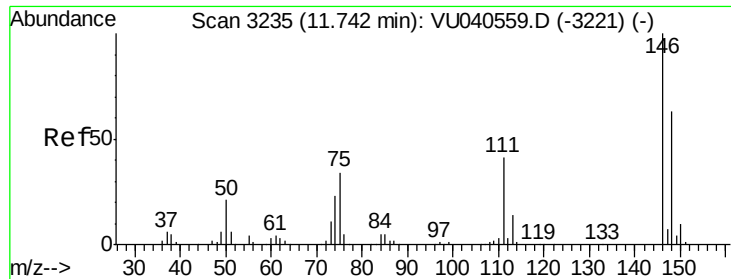
Tot Ion: 75 Resp: 8837
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6



#61
 Bromoform
 Concen: 0.985 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion: 173 Resp: 5492
 Ion Ratio Lower Upper
 173 100
 175 49.7 37.4 56.0
 254 7.6 7.4 11.2

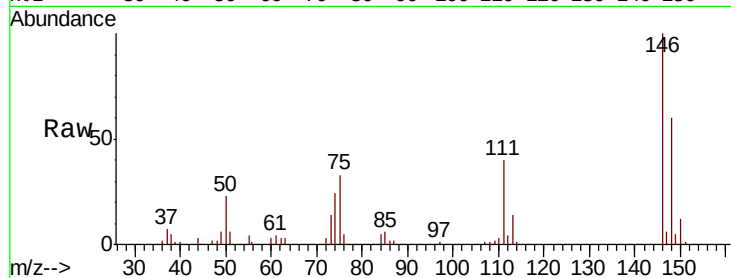




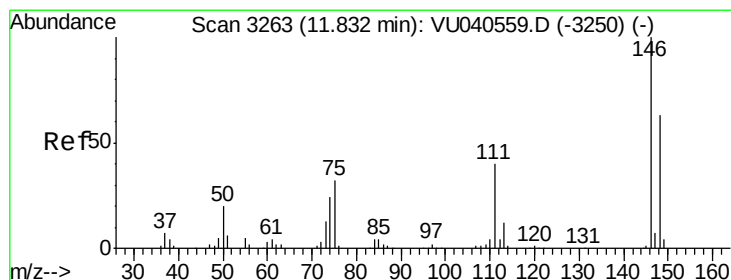
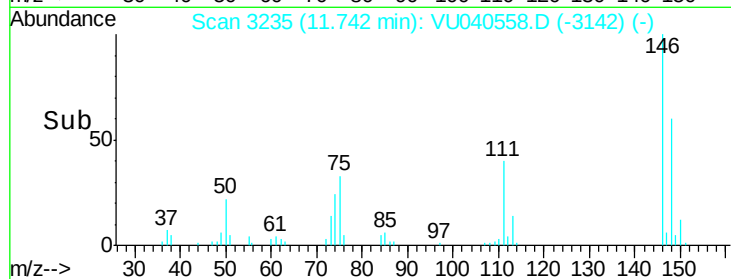
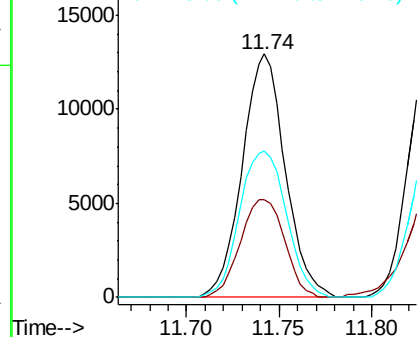
#62
 1,3-Dichlorobenzene
 Concen: 0.947 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tot Ion:146 Resp: 20784
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.8 53.6
 148 60.0 44.4 82.4

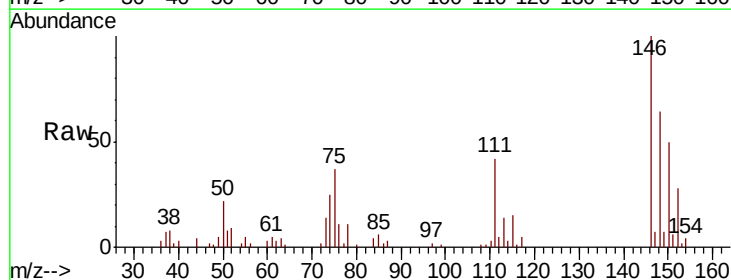


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

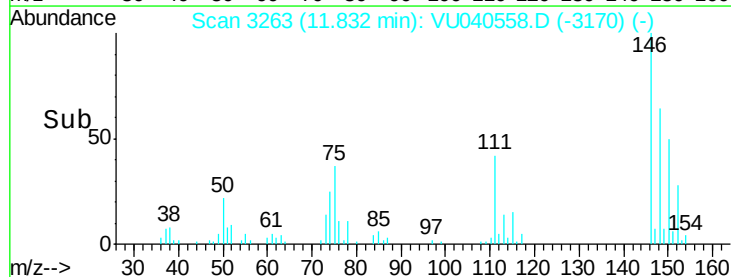
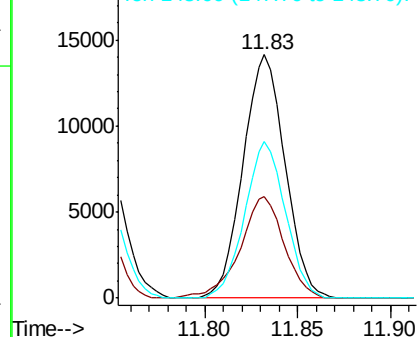


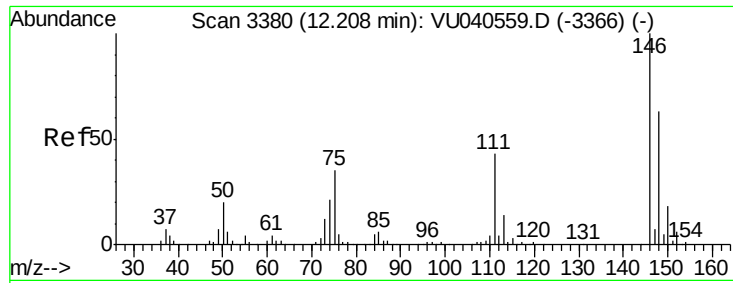
#63
 1,4-Dichlorobenzene
 Concen: 0.972 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion:146 Resp: 22213
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.4 52.8
 148 64.1 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





#65

1,2-Dichlorobenzene

Concen: 0.983 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

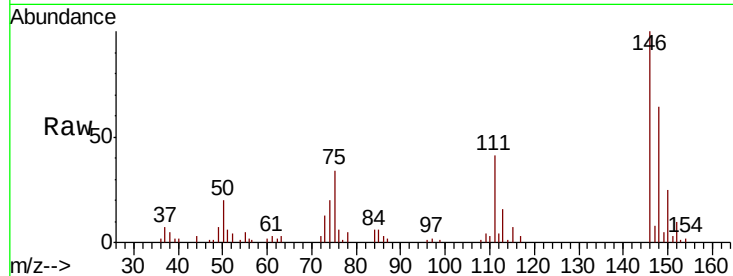
Tot Ion:146 Resp: 21002

Ion Ratio Lower Upper

146 100

111 41.4 34.4 51.6

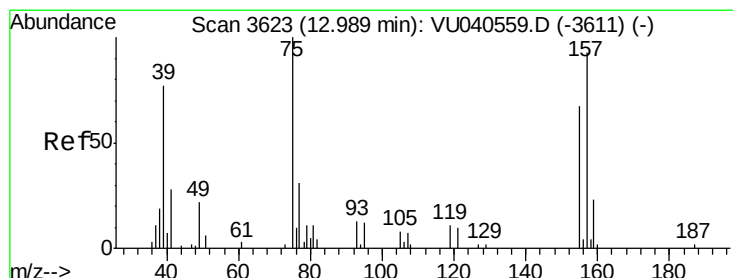
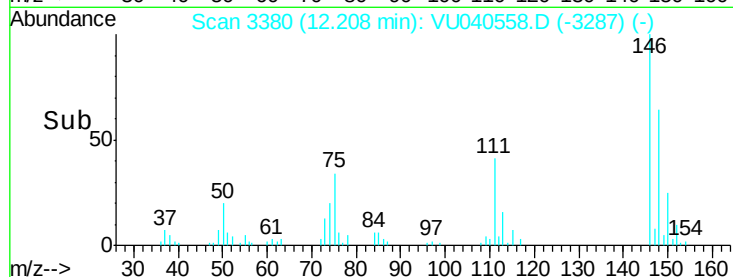
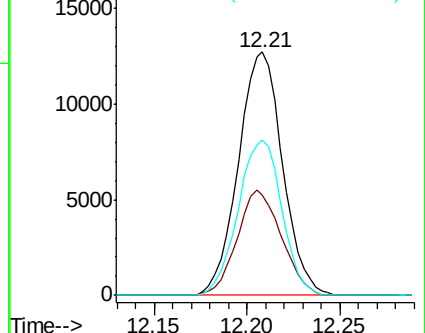
148 63.9 50.0 75.0



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: 1.040 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

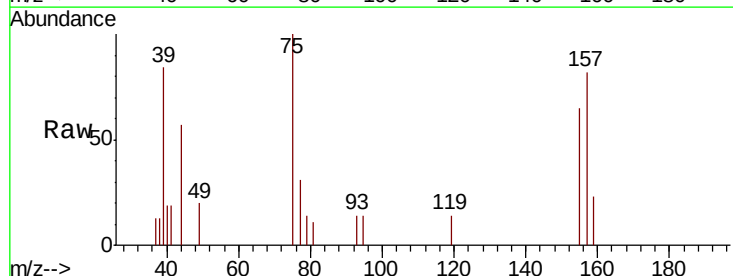
Tgt Ion: 75 Resp: 2014

Ion Ratio Lower Upper

75 100

155 65.4 53.8 80.6

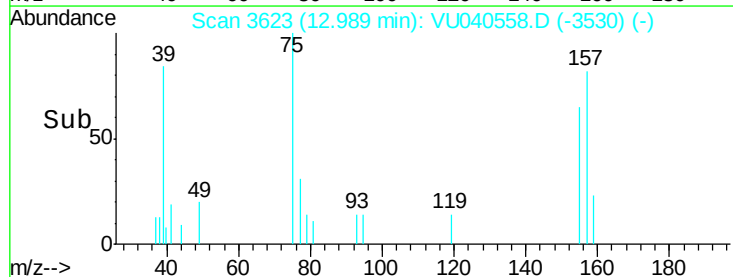
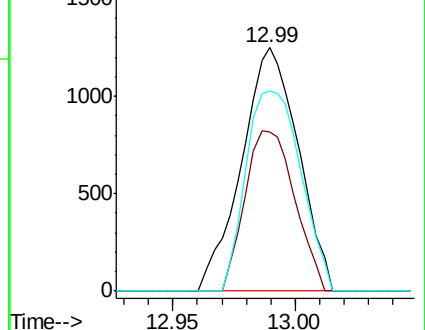
157 82.0 74.6 112.0

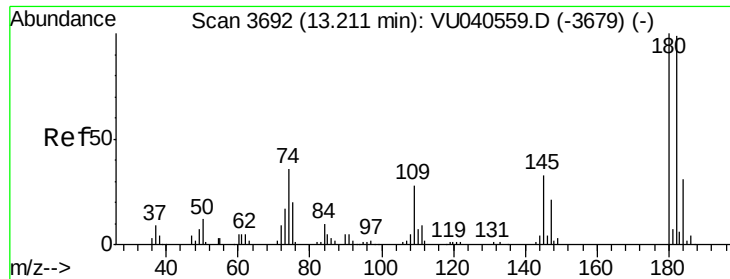


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

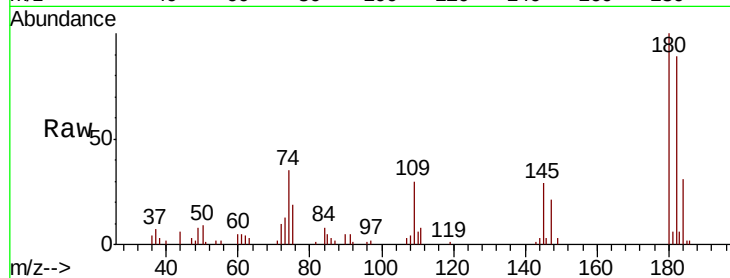




#67
 1,3,5-Trichlorobenzene
 Concen: 0.950 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.2	77.0	115.4
184	31.0	24.5	36.7
145	29.3	25.9	38.9



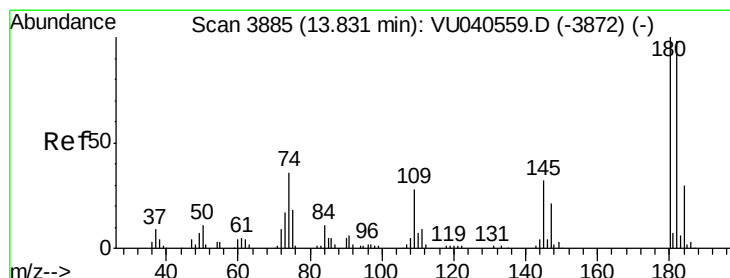
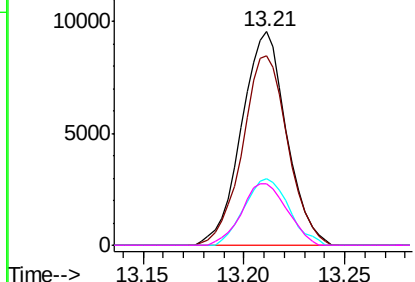
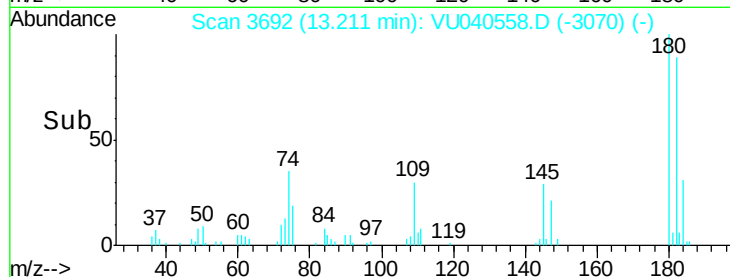
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

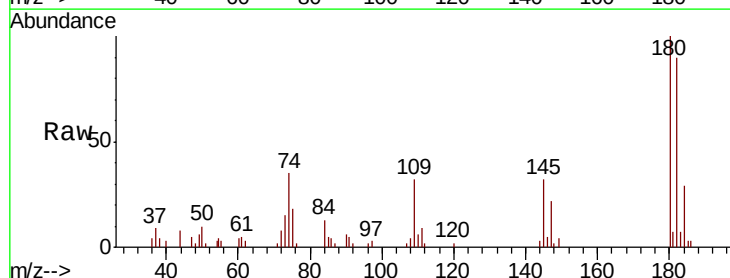
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.781 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040558.D
 Acq: 08 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	78.8	118.2
145	31.9	26.1	39.1

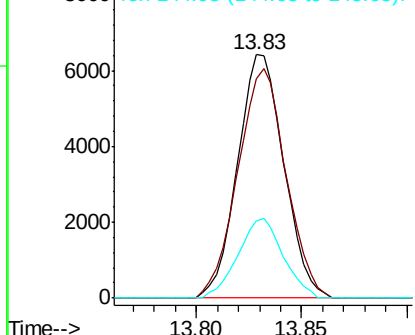
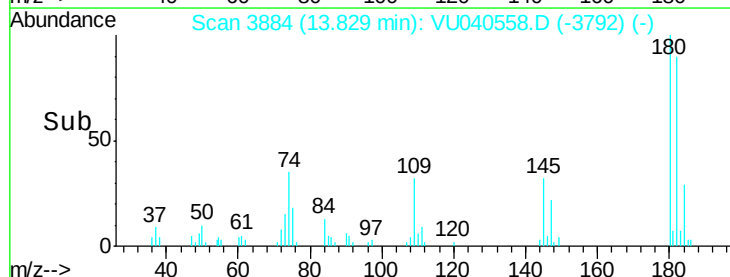


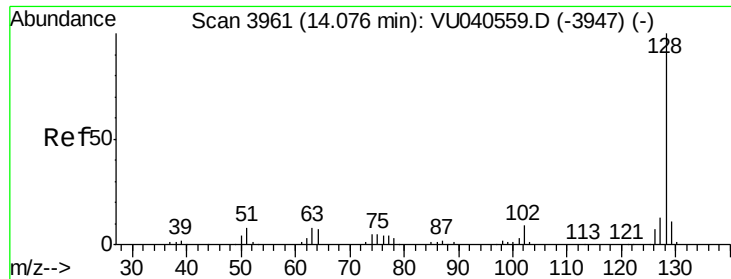
Abundance

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: 0.605 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

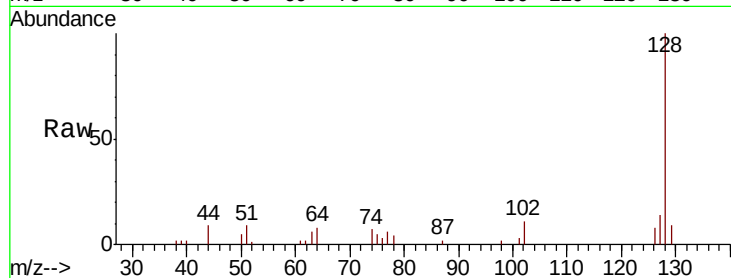
Tot Ion:128 Resp: 12850

Ion Ratio Lower Upper

128 100

129 9.7 9.0 13.4

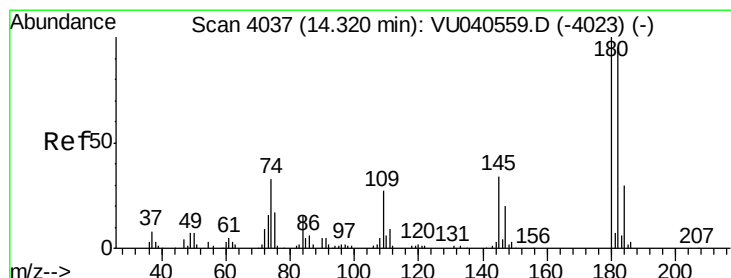
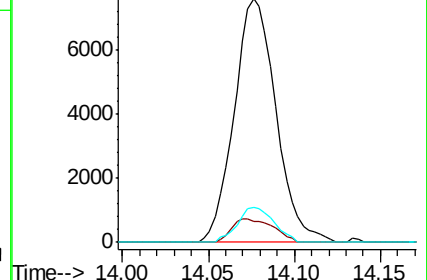
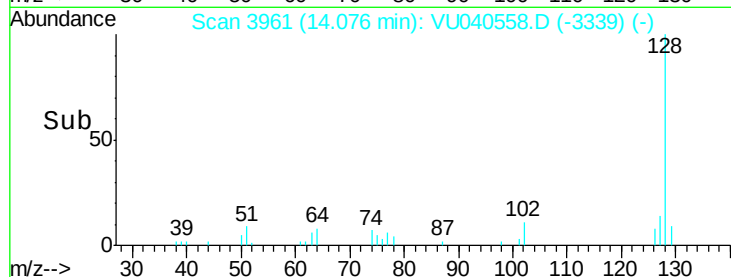
127 12.5 10.2 15.4



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: 0.768 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040558.D

Acq: 08 Oct 2020 13:20

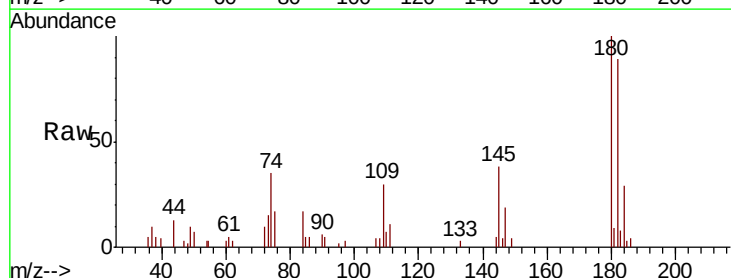
Tgt Ion:180 Resp: 8873

Ion Ratio Lower Upper

180 100

182 97.6 75.8 113.8

145 38.4 27.4 41.2



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

