

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040562.D
 Acq On : 08 Oct 2020 14:55
 Operator : SY/MD
 Sample : VSTDICV020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Quant Time: Oct 09 02:03:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	152397	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	150539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	77878	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61072	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.93	69	46997	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	118234	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.66	46	200903	49.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.44%
24) Chloroform-d	5.08	84	107224	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	62017	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.74	84	199133	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	64710	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	181889	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.19	79	28436	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	152968	51.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57963	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	71529	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	68115	4.933	ug/L 99
3) Chloromethane	1.53	50	63363	4.907	ug/L 99
5) Vinyl chloride	1.61	62	64843	4.768	ug/L 98
6) Bromomethane	1.87	94	36047	4.882	ug/L 98
8) Chloroethane	1.94	64	40094	4.631	ug/L 94
9) Trichlorofluoromethane	2.15	101	93012	4.763	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	60140	4.744	ug/L 100
12) 1,1-Dichloroethene	2.59	96	52915	4.866	ug/L 94
13) Acetone	2.67	43	149272	47.656	ug/L 98
14) Carbon disulfide	2.81	76	148137	4.867	ug/L 98
15) Methyl Acetate	2.97	43	33258	4.650	ug/L 98
16) Methylene chloride	3.06	84	65084	4.662	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	154380	5.021	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	54320	4.772	ug/L 99
19) 1,1-Dichloroethane	3.89	63	114796	4.877	ug/L 98
21) 2-Butanone	4.74	43	245490	50.270	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	62464	5.089	ug/L 93

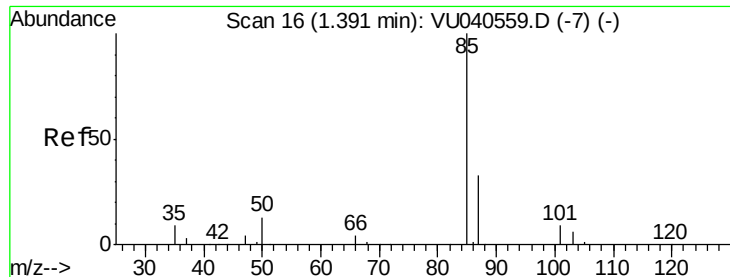
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	29789	4.885	ug/L	95
25) Chloroform	5.11	83	115924	4.823	ug/L	97
27) 1,2-Dichloroethane	5.81	62	82364	4.842	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	98263	4.857	ug/L	100
30) Cyclohexane	5.41	56	96933	5.200	ug/L	98
31) Carbon tetrachloride	5.54	117	86312	4.986	ug/L	99
33) Benzene	5.79	78	238847	4.938	ug/L	100
34) Trichloroethene	6.56	95	62547	4.989	ug/L	94
35) Methylcyclohexane	6.78	83	92436	5.199	ug/L	98
37) 1,2-Dichloropropane	6.80	63	67714	5.025	ug/L	99
38) Bromodichloromethane	7.12	83	86038	4.995	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	94346	5.124	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	552107	51.391	ug/L	100
42) Toluene	7.98	91	252861	5.131	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	86865	5.125	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	49644	4.919	ug/L	98
47) Tetrachloroethene	8.56	164	46830	5.236	ug/L	96
48) 2-Hexanone	8.69	43	420370	52.555	ug/L	100
49) Dibromochloromethane	8.82	129	58091	5.002	ug/L	97
50) 1,2-Dibromoethane	8.93	107	45851	4.789	ug/L	95
51) Chlorobenzene	9.45	112	162122	4.994	ug/L	99
52) Ethylbenzene	9.57	91	277967	5.212	ug/L	100
53) m,p-Xylene	9.70	106	104740	5.388	ug/L	97
54) o-Xylene	10.10	106	98950	5.293	ug/L	95
55) Styrene	10.11	104	175585	5.408	ug/L	100
56) Isopropylbenzene	10.48	105	275063	5.465	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	66156	4.993	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	48677	4.918	ug/L	99
61) Bromoform	10.29	173	33679	5.045	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	136215	5.344	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	136648	5.199	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	129463	5.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	11637	5.333	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	97462	5.389	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	85221	6.099	ug/L	97
69) Naphthalene	14.08	128	165472	7.239	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	82945	6.392	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.933 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

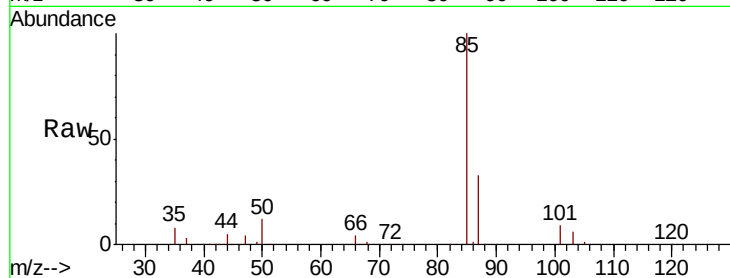
VICV04

Tot Ion: 85 Resp: 68115

Ion Ratio Lower Upper

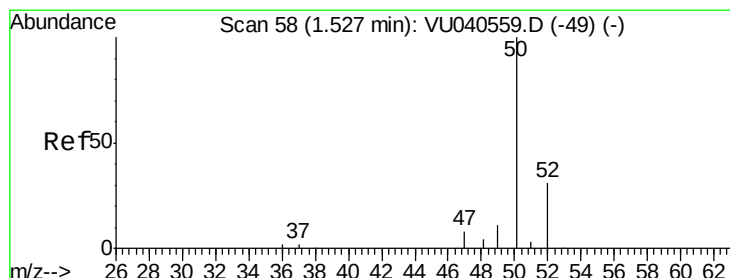
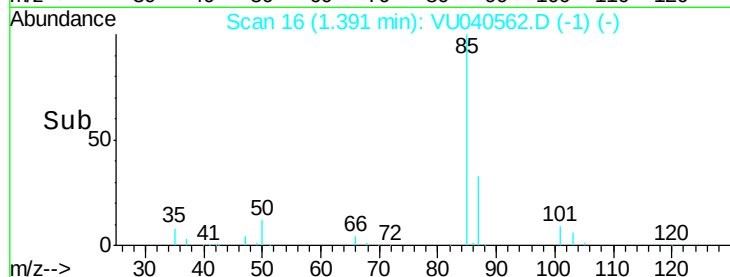
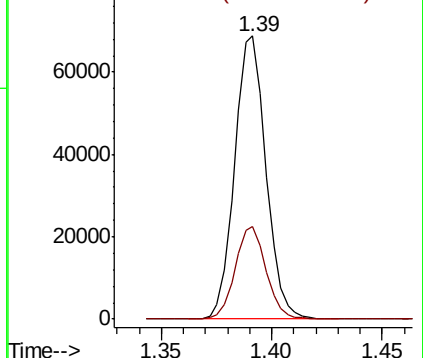
85 100

87 32.2 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: 4.907 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040562.D

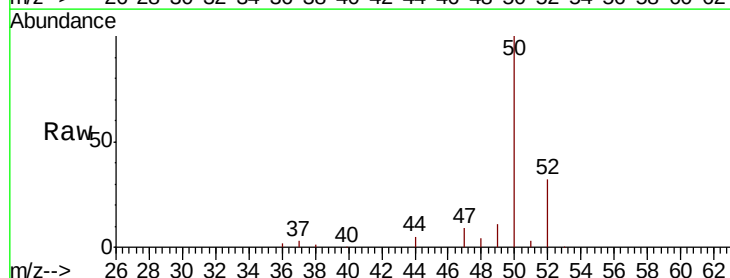
Acq: 08 Oct 2020 14:55

Tgt Ion: 50 Resp: 63363

Ion Ratio Lower Upper

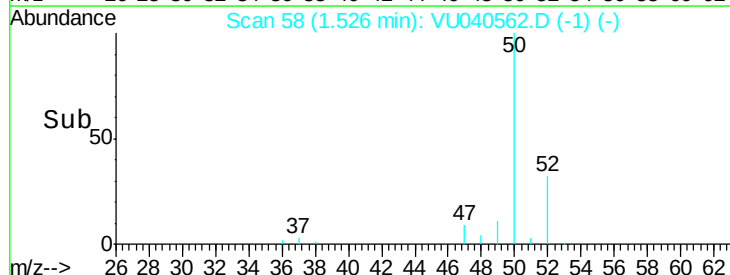
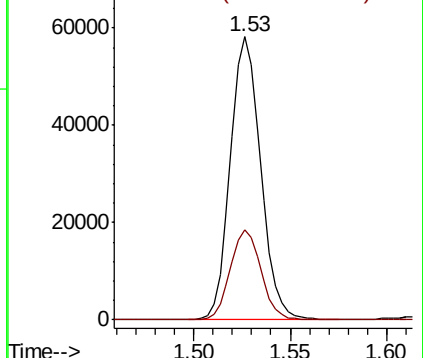
50 100

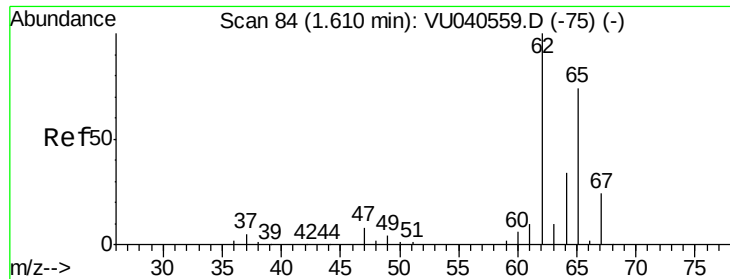
52 31.9 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.768 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

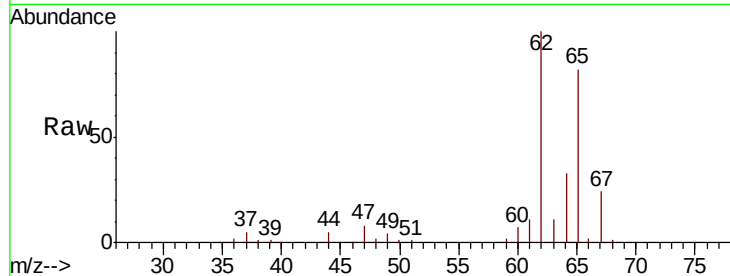
VICV04

Tot Ion: 62 Resp: 64843

Ion Ratio Lower Upper

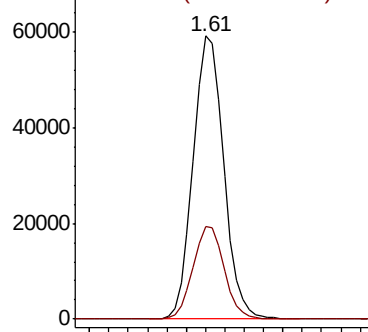
62 100

64 32.7 23.7 44.1

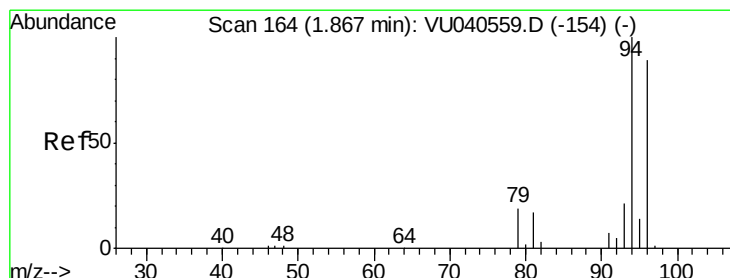
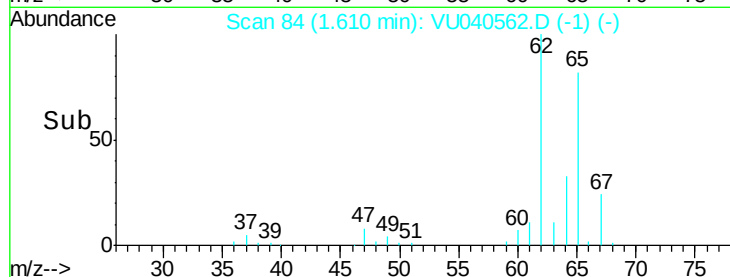


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time-->



#6

Bromomethane

Concen: 4.882 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040562.D

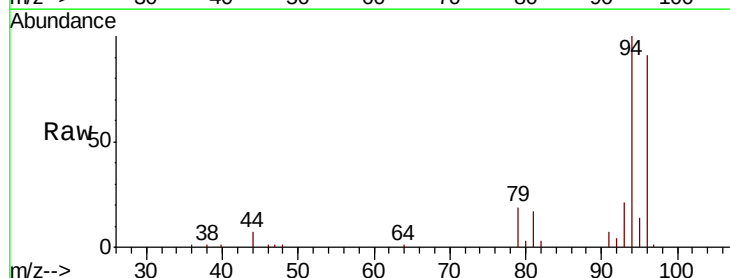
Acq: 08 Oct 2020 14:55

Tgt Ion: 94 Resp: 36047

Ion Ratio Lower Upper

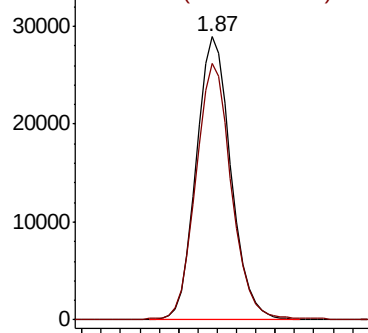
94 100

96 90.8 62.1 115.3

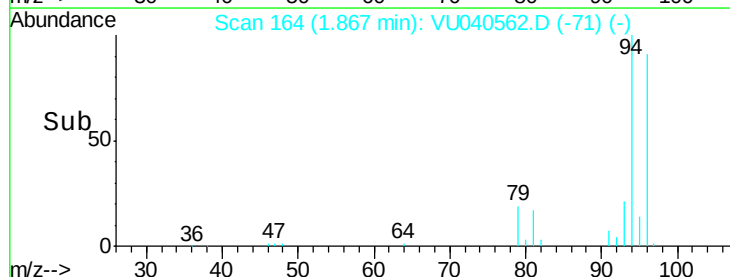


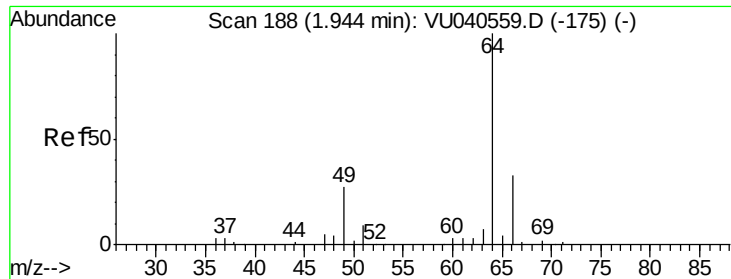
Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



Time-->

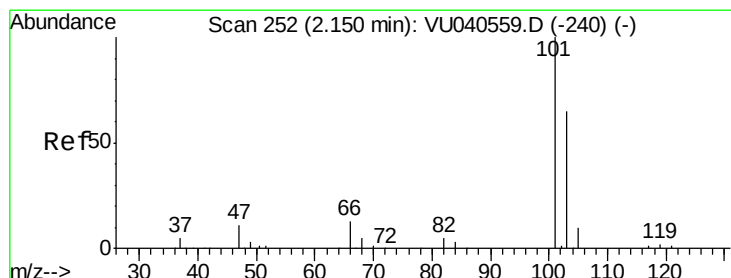
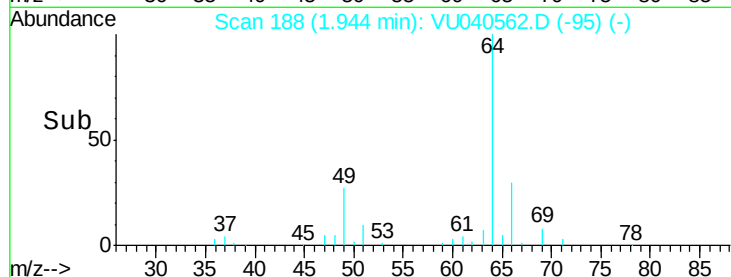
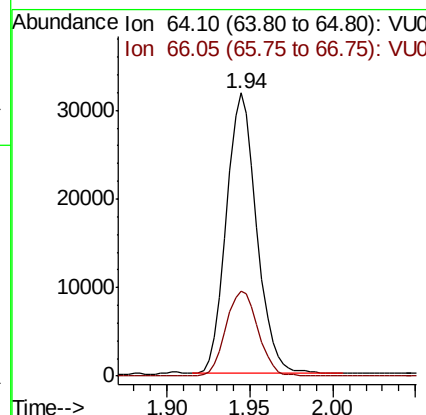
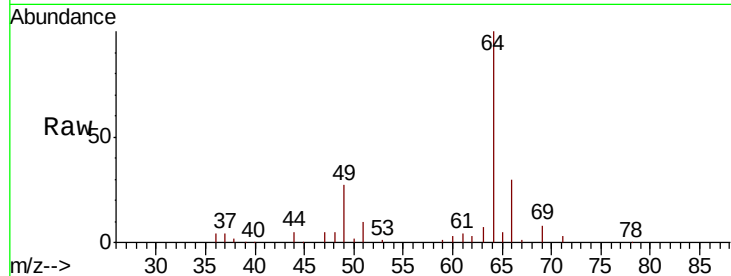




#8
Chloroethane
Concen: 4.631 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

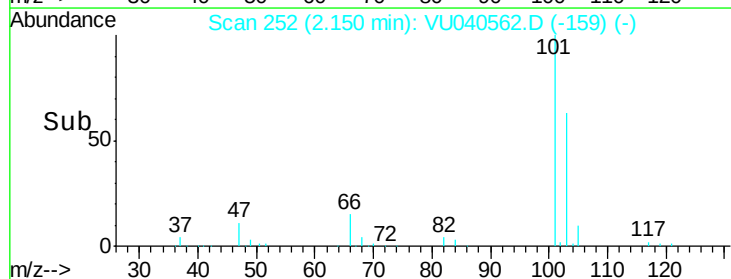
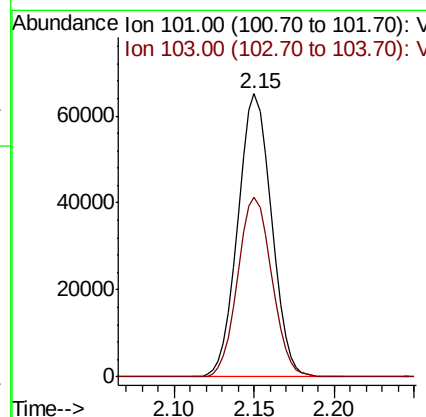
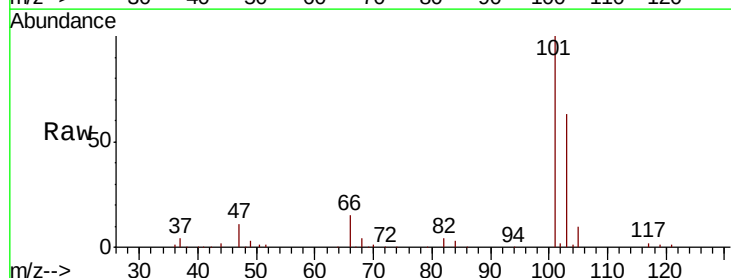
Instrument :
MSVOA_U
ClientSampleId :
VICV04

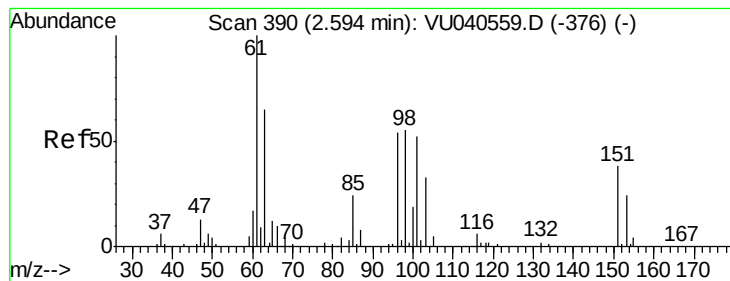
Tot Ion: 64 Resp: 40094
Ion Ratio Lower Upper
64 100
66 29.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.763 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion: 101 Resp: 93012
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4





#10

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

Concen: 4.744 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampled :

VICV04

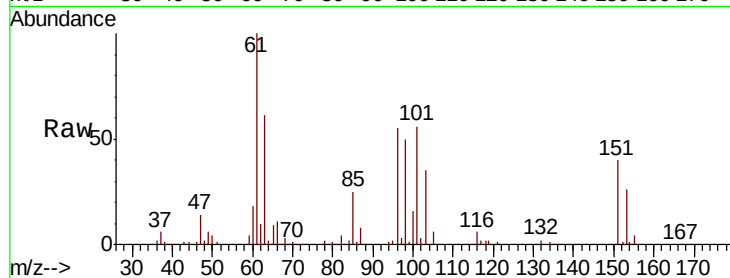
Tot Ion:101 Resp: 60140

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

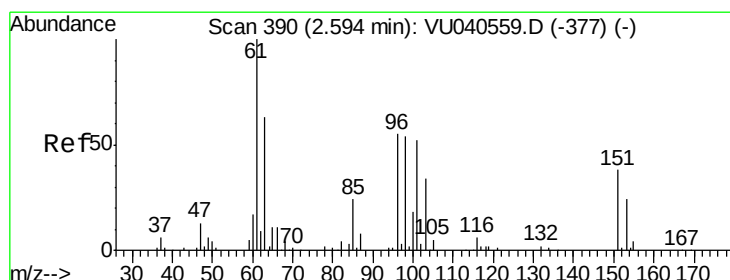
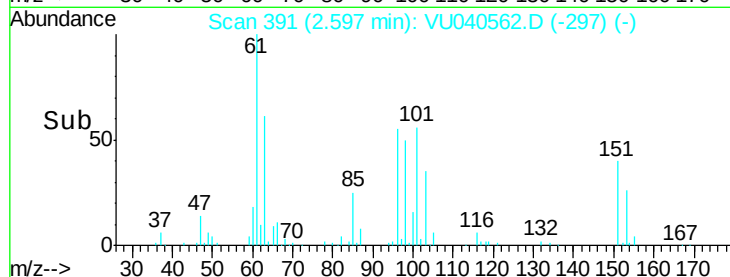
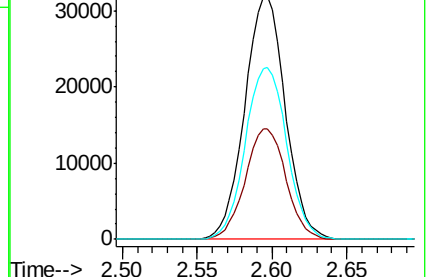
151 72.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU040559.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 4.866 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

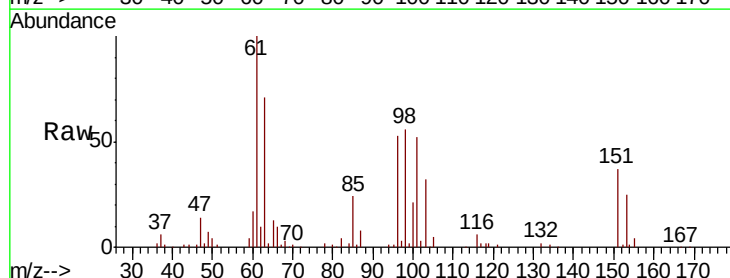
Tgt Ion: 96 Resp: 52915

Ion Ratio Lower Upper

96 100

61 188.2 128.8 239.2

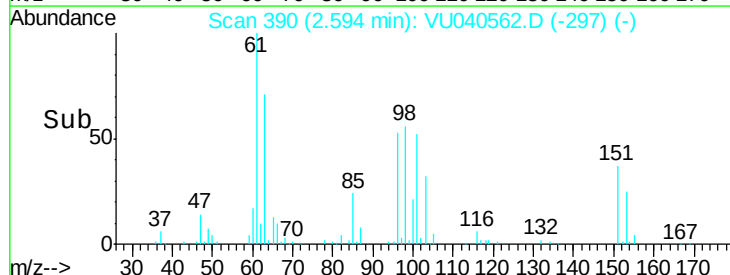
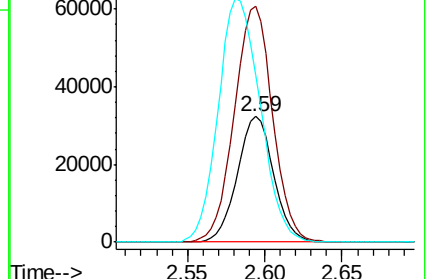
63 133.4 84.6 157.2

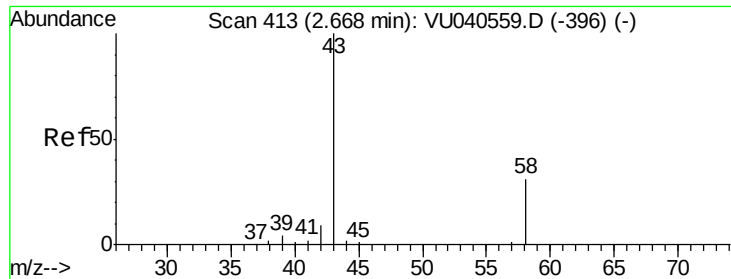


Abundance Ion 96.00 (95.70 to 96.70): VU040559.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU040559.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU040559.D (-377) (-)





#13

Acetone

Concen: 47.656 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

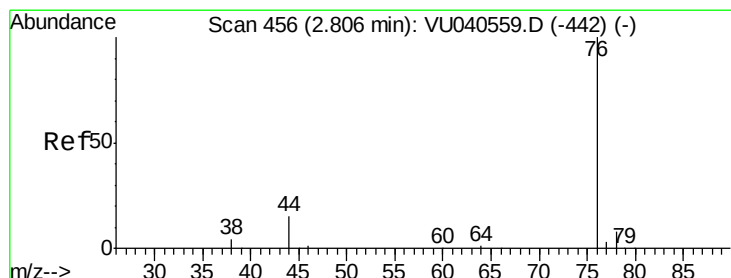
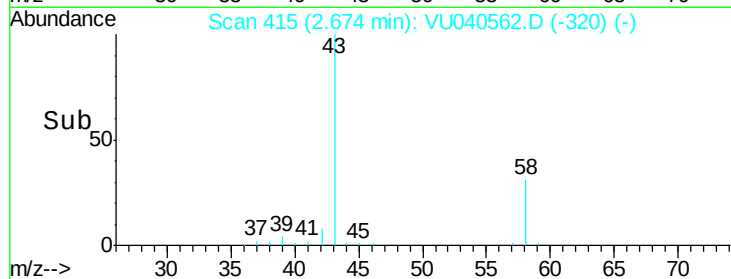
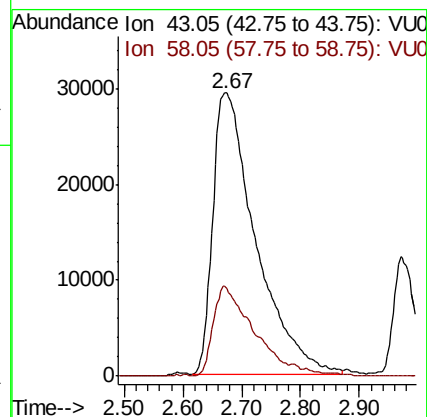
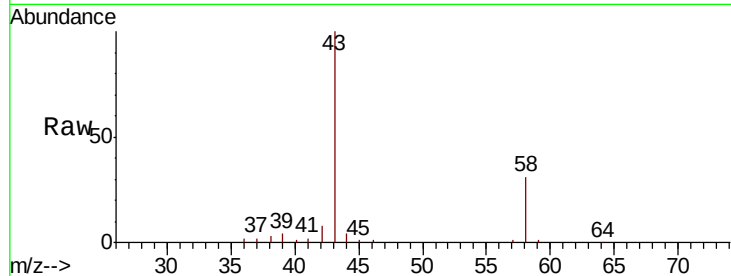
VICV04

Tot Ion: 43 Resp: 149272

Ion Ratio Lower Upper

43 100

58 29.2 0.0 60.6



#14

Carbon disulfide

Concen: 4.867 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040562.D

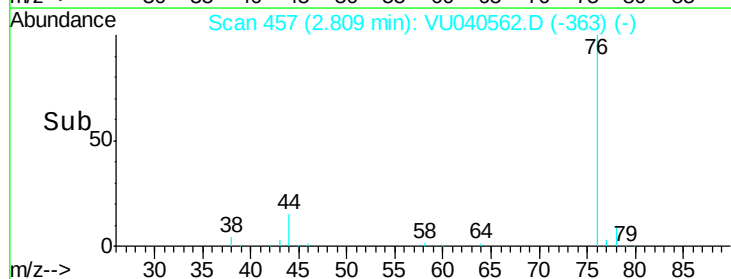
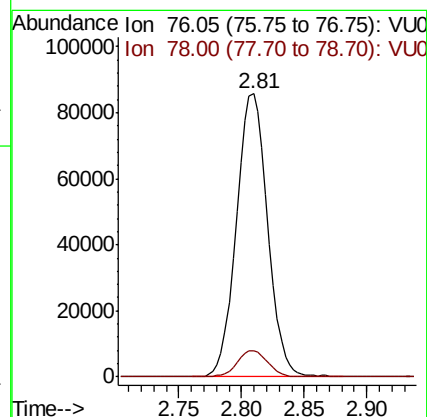
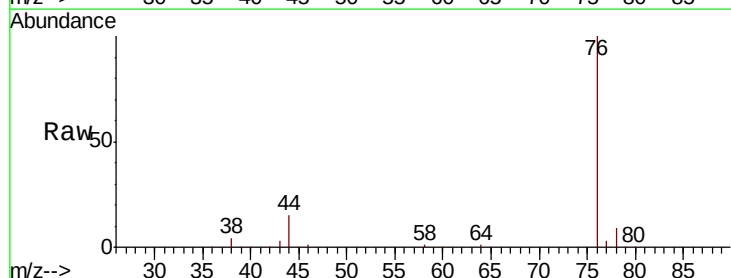
Acq: 08 Oct 2020 14:55

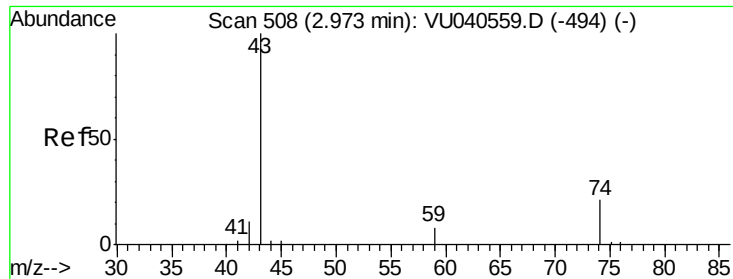
Tgt Ion: 76 Resp: 148137

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

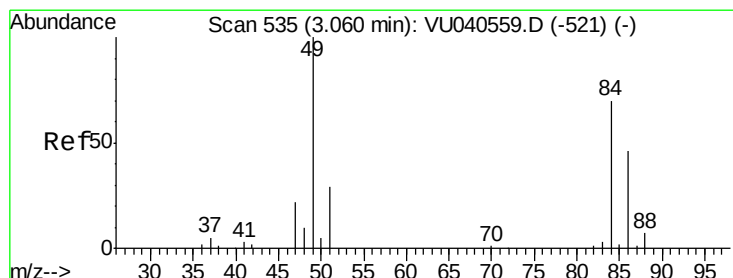
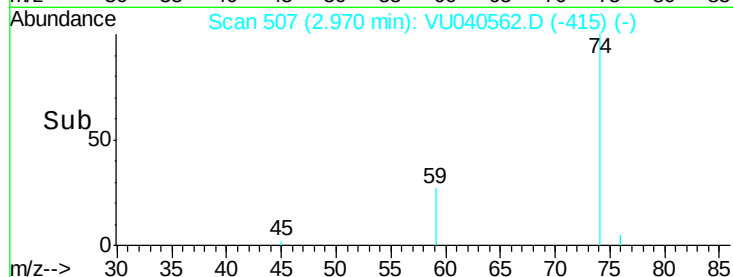
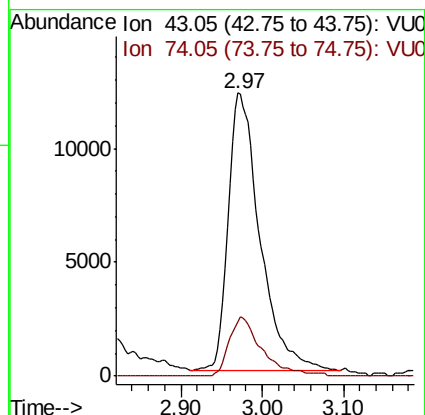
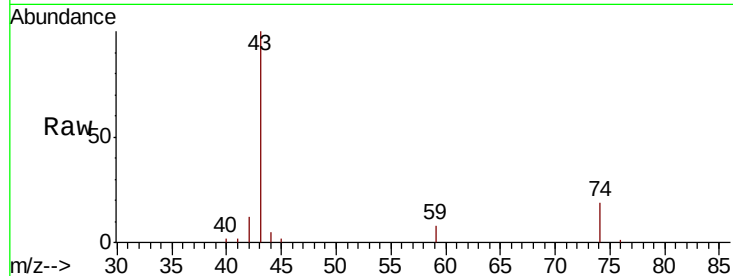




#15
Methyl Acetate
Concen: 4.650 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

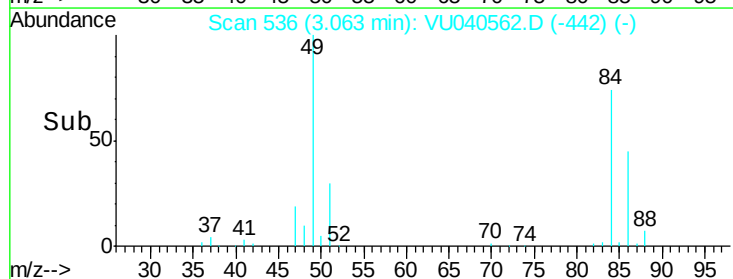
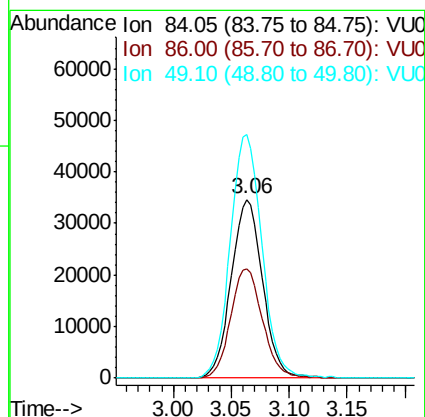
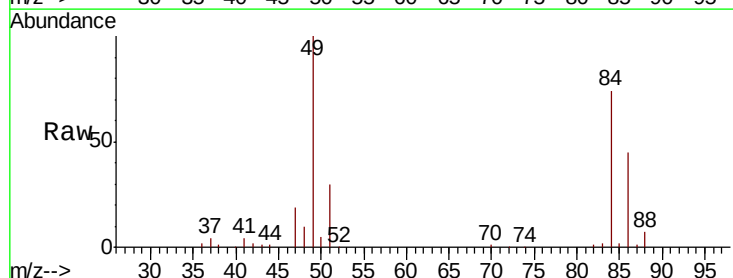
Instrument :
MSVOA_U
ClientSampled :
VICV04

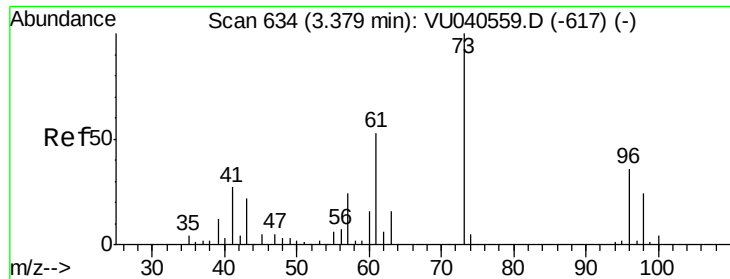
Tot Ion: 43 Resp: 33258
Ion Ratio Lower Upper
43 100
74 21.6 16.5 24.7



#16
Methylene chloride
Concen: 4.662 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion: 84 Resp: 65084
Ion Ratio Lower Upper
84 100
86 61.3 45.4 84.4
49 136.0 99.8 185.3

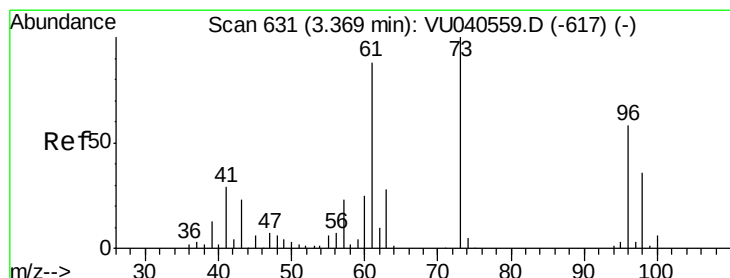
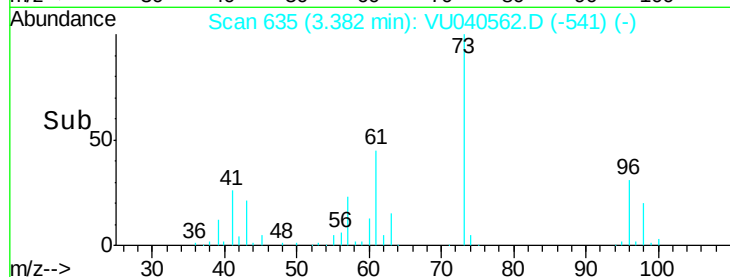
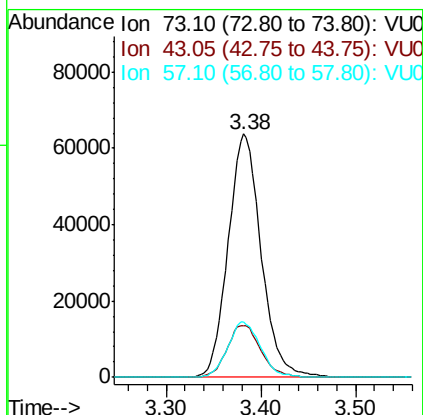
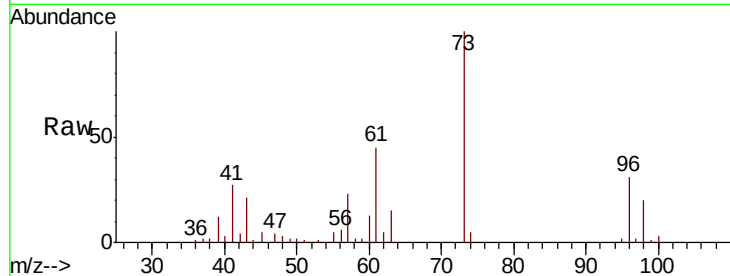




#17
Methyl tert-butyl Ether
Concen: 5.021 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

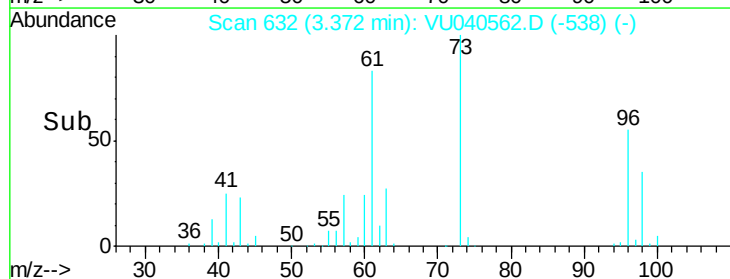
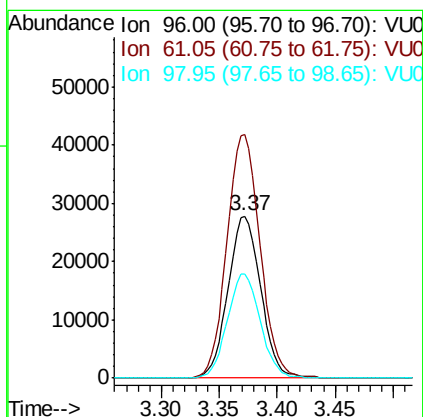
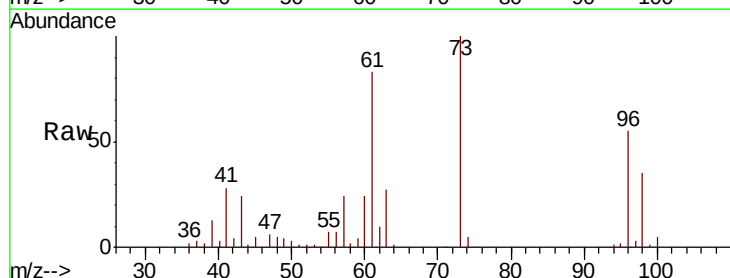
Instrument :
MSVOA_U
ClientSampleId :
VICV04

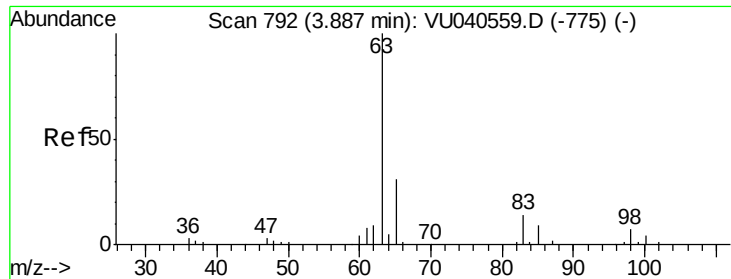
Tot Ion: 73 Resp: 154380
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.4
57 22.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.772 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion: 96 Resp: 54320
Ion Ratio Lower Upper
96 100
61 150.6 105.9 196.7
98 64.4 43.8 81.3

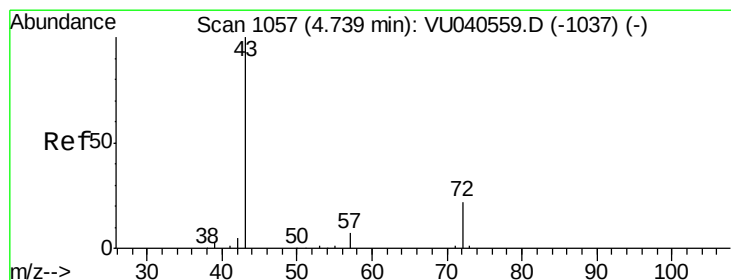
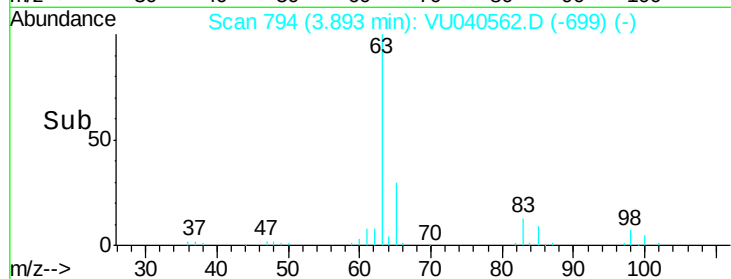
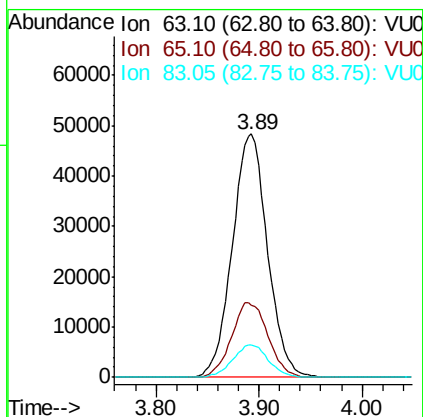
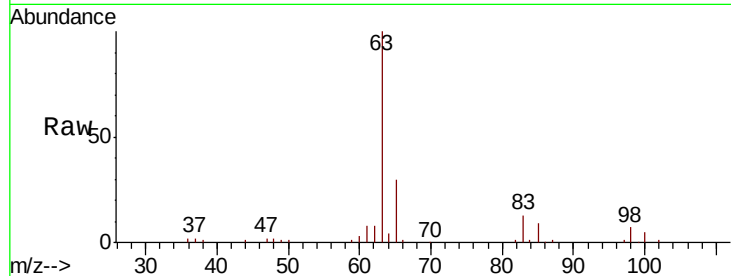




#19
 1,1-Dichloroethane
 Concen: 4.877 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

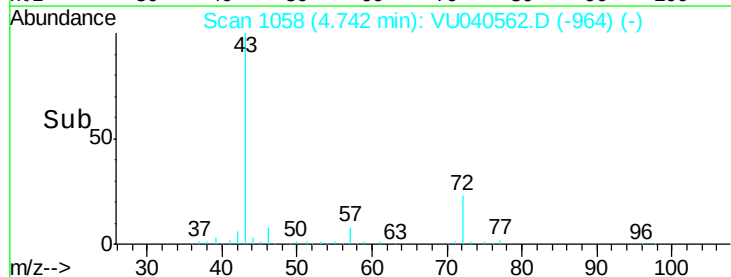
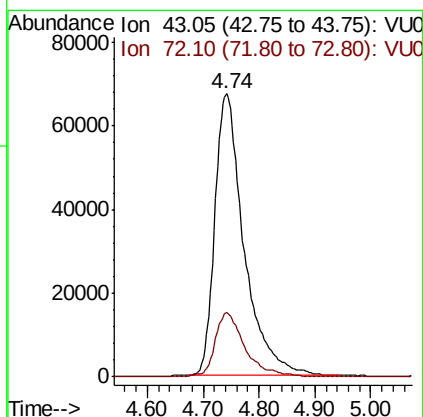
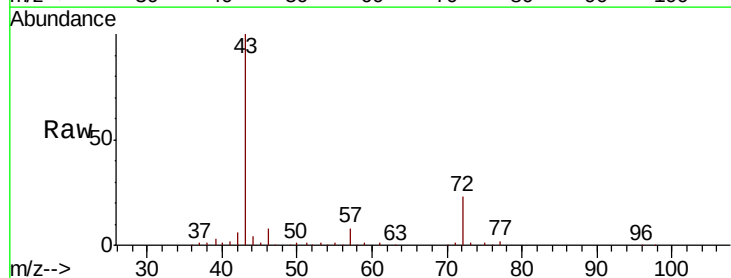
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

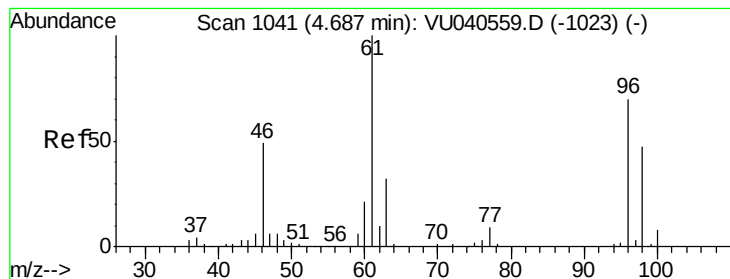
Tot Ion: 63 Resp: 114796
 Ion Ratio Lower Upper
 63 100
 65 29.8 21.9 40.7
 83 13.2 9.6 17.8



#21
 2-Butanone
 Concen: 50.270 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion: 43 Resp: 245490
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.4 34.2





#22

cis-1,2-Dichloroethene

Concen: 5.089 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :
MSVOA_U
ClientSampled :
VICV04

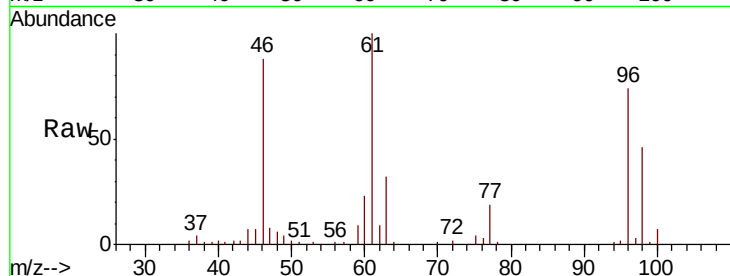
Tot Ion: 96 Resp: 62464

Ion Ratio Lower Upper

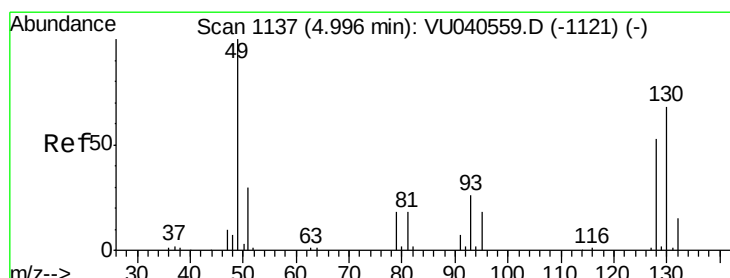
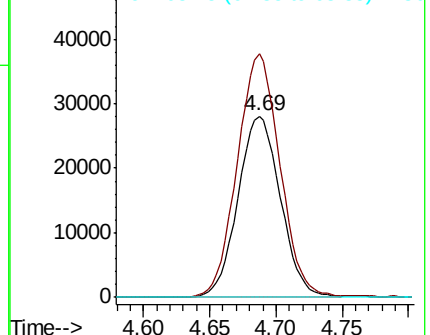
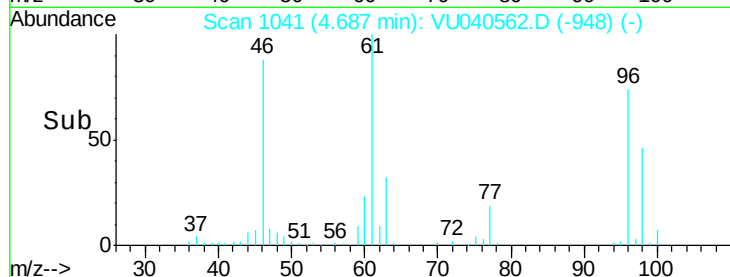
96 100

61 134.3 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040562.D (-948) (-)



#23

Bromochloromethane

Concen: 4.885 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Tgt Ion: 128 Resp: 29789

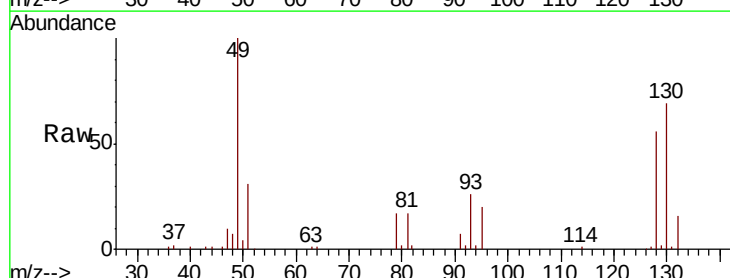
Ion Ratio Lower Upper

128 100

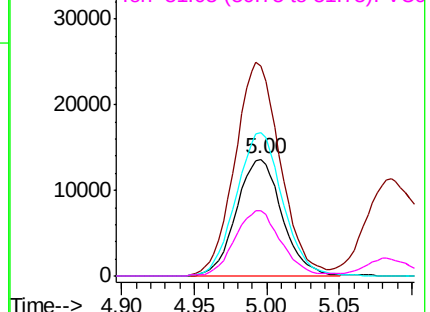
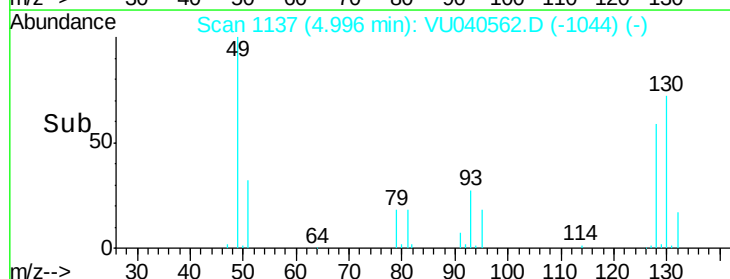
49 179.7 132.2 245.4

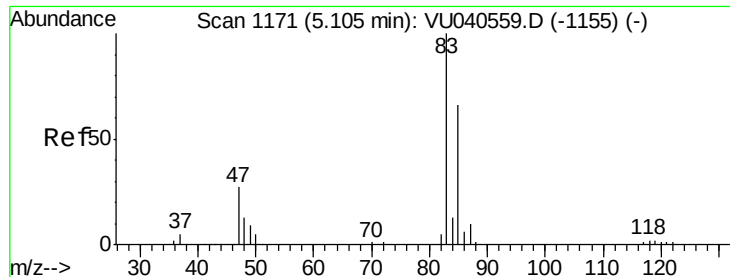
130 123.1 89.2 165.8

51 56.0 45.3 67.9



Abundance Ion 127.90 (127.60 to 128.60): VU040562.D (-1044) (-)

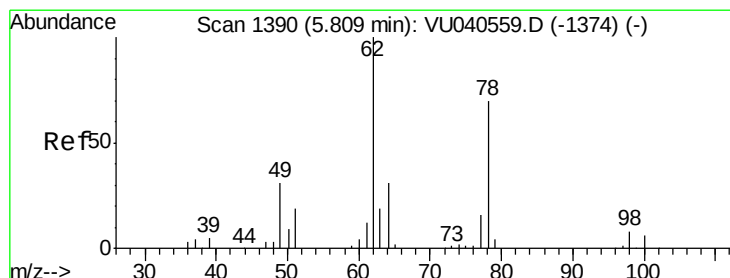
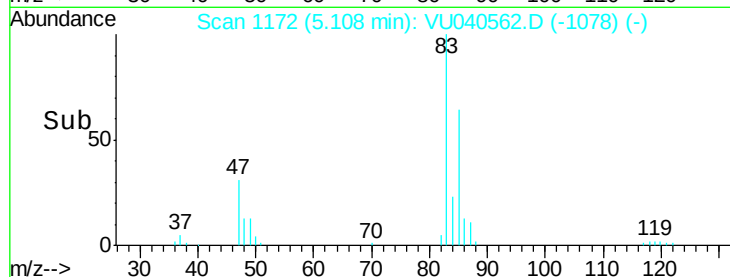
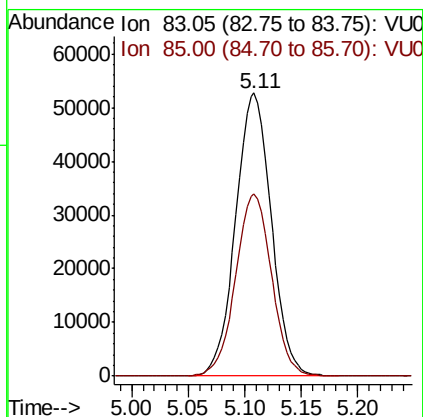
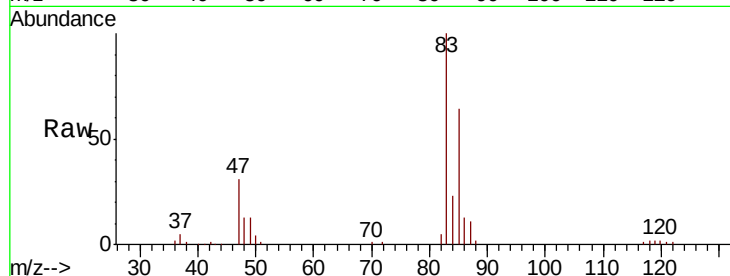




#25
Chloroform
Concen: 4.823 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

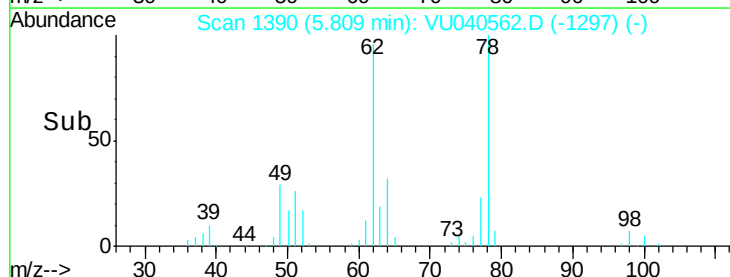
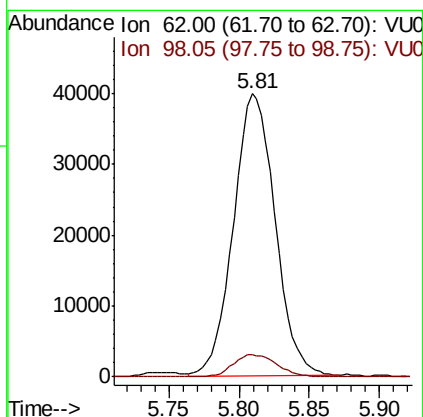
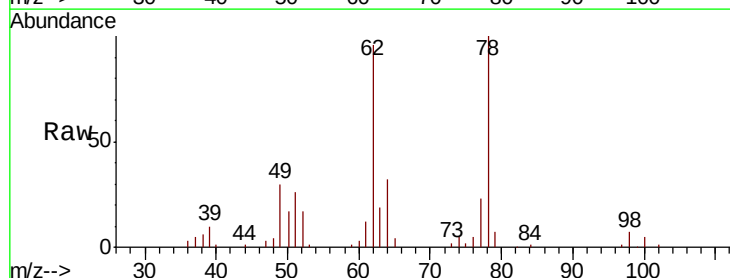
Instrument :
MSVOA_U
ClientSampled :
VICV04

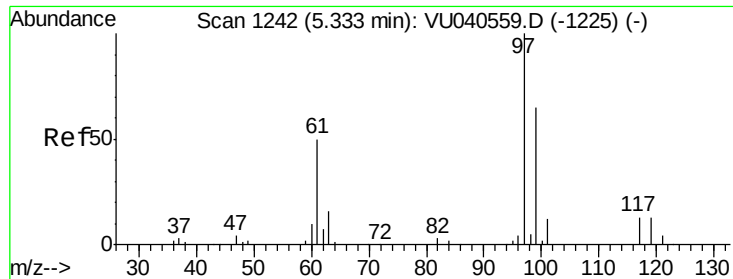
Tot Ion: 83 Resp: 115924
Ion Ratio Lower Upper
83 100
85 64.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.842 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion: 62 Resp: 82364
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0

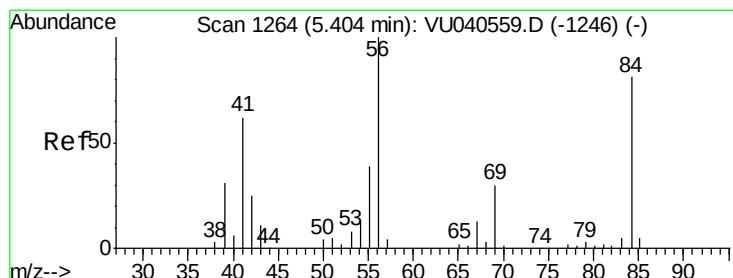
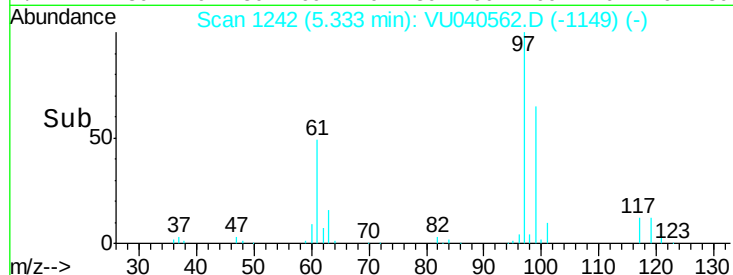
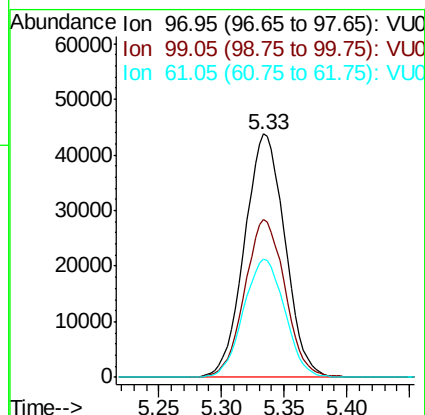
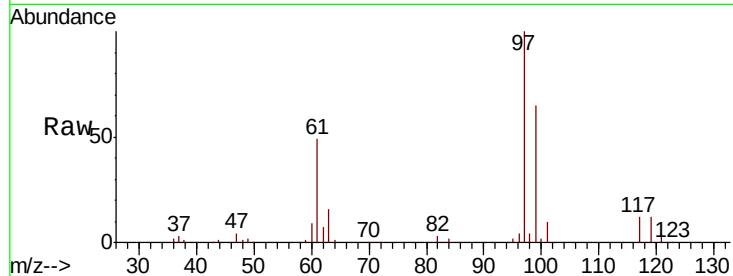




#29
 1,1,1-Trichloroethane
 Concen: 4.857 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

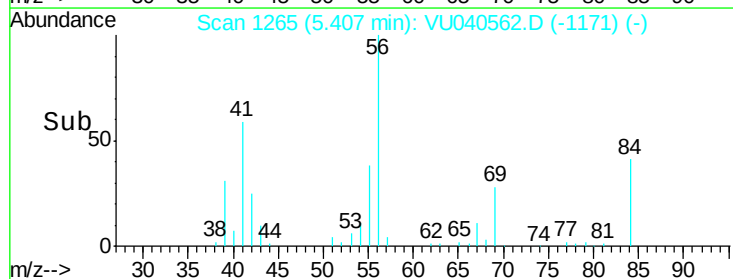
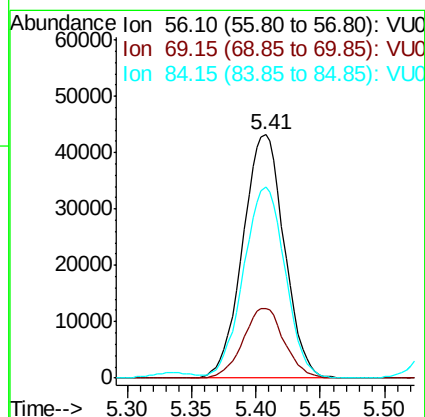
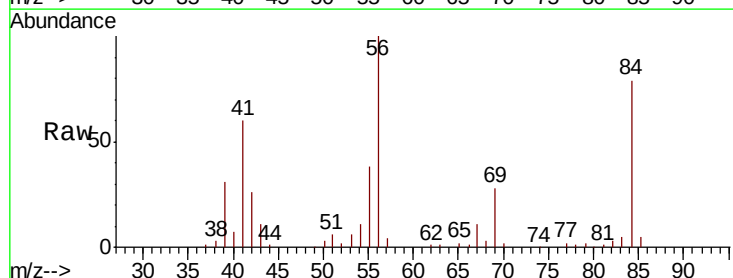
Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

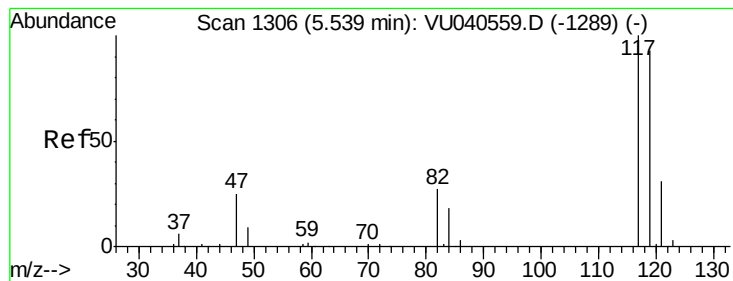
Tot Ion: 97 Resp: 98263
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 49.5 39.4 59.2



#30
 Cyclohexane
 Concen: 5.200 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion: 56 Resp: 96933
 Ion Ratio Lower Upper
 56 100
 69 28.3 23.8 35.8
 84 79.0 64.0 96.0





#31

Carbon tetrachloride

Concen: 4.986 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

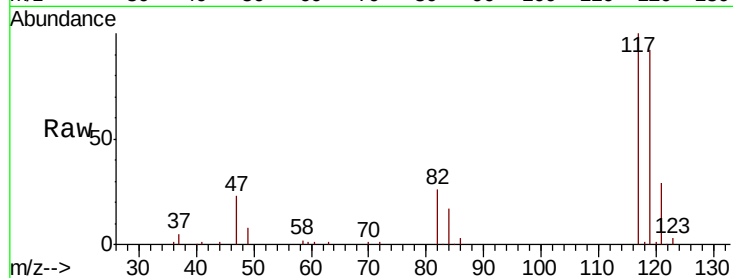
VICV04

Tot Ion:117 Resp: 86312

Ion Ratio Lower Upper

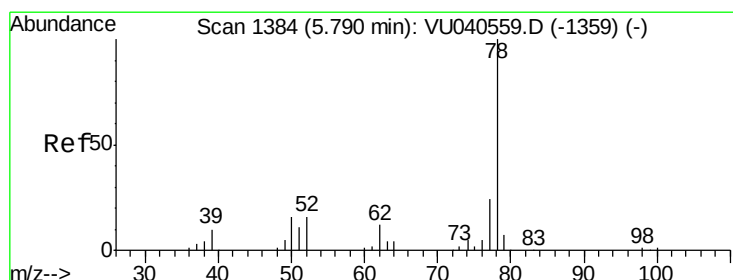
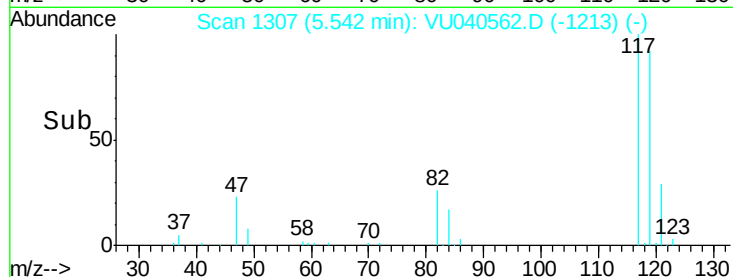
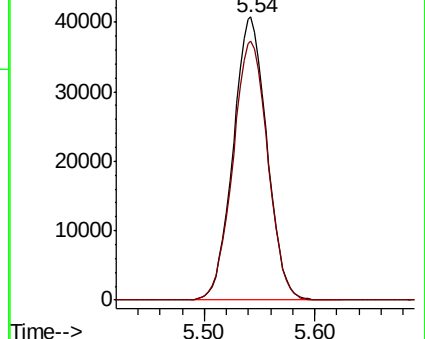
117 100

119 94.1 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: 4.938 ug/L

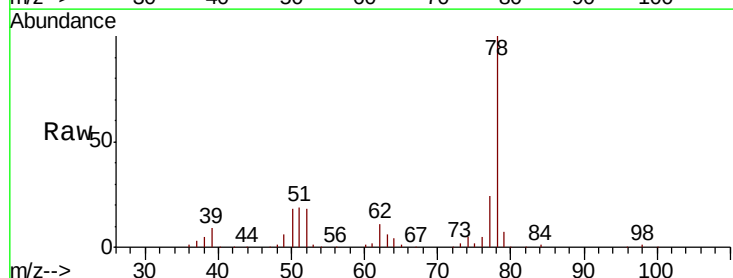
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

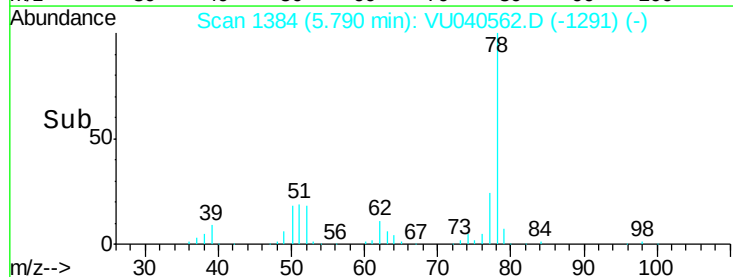
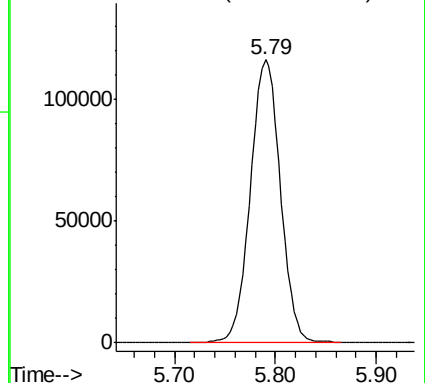
Lab File: VU040562.D

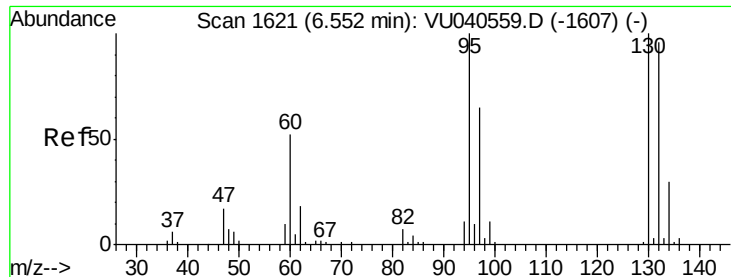
Acq: 08 Oct 2020 14:55

Tgt Ion: 78 Resp: 238847



Abundance Ion 78.10 (77.80 to 78.80): VU0

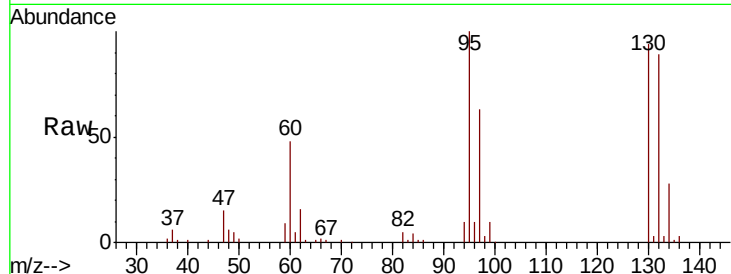




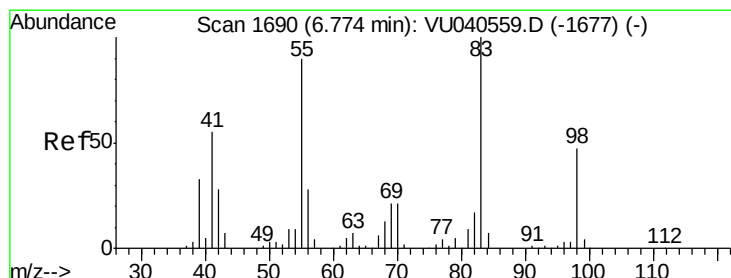
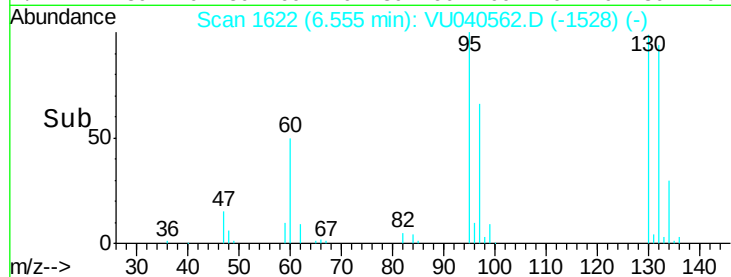
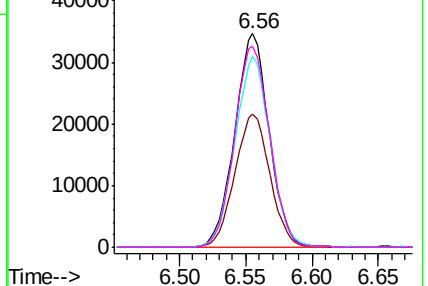
#34
 Trichloroethene
 Concen: 4.989 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tot Ion: 95 Resp: 62547
 Ion Ratio Lower Upper
 95 100
 97 62.6 45.5 84.5
 132 89.4 67.5 125.4
 130 94.0 69.9 129.9

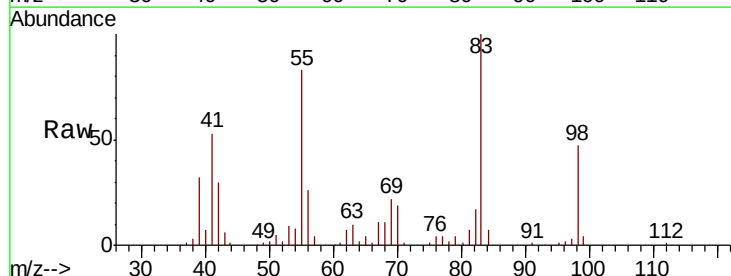


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

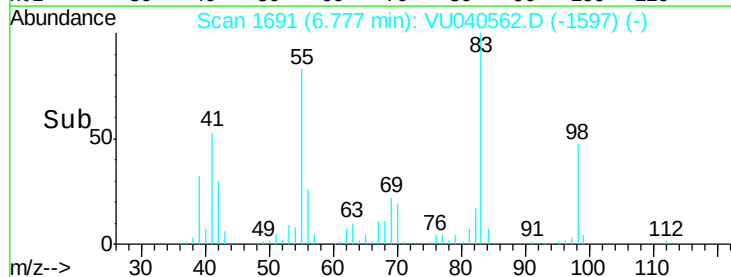
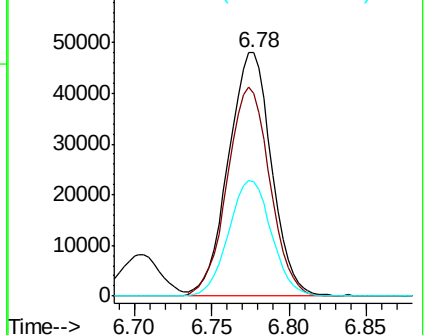


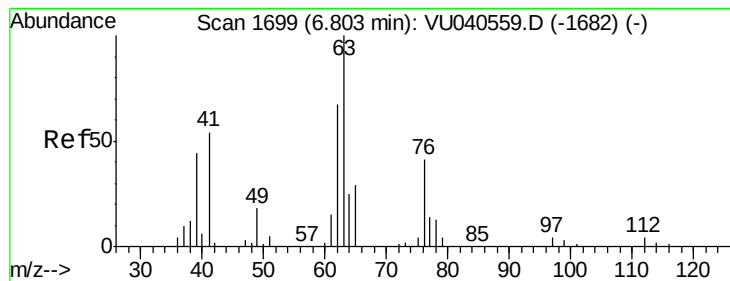
#35
 Methylcyclohexane
 Concen: 5.199 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion: 83 Resp: 92436
 Ion Ratio Lower Upper
 83 100
 55 85.4 70.7 106.1
 98 47.4 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: 5.025 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

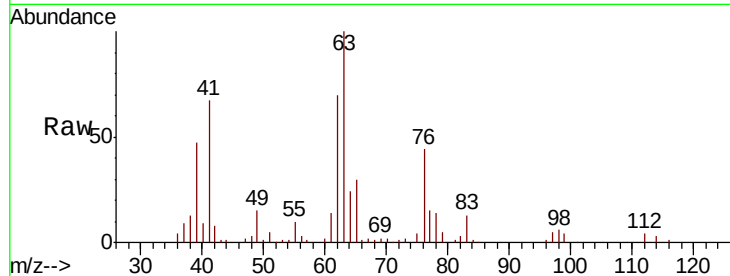
VICV04

Tot Ion: 63 Resp: 67714

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040559.D (-1682) (-)

6.80

40000

30000

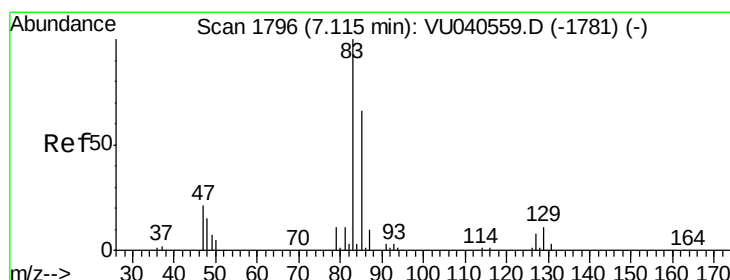
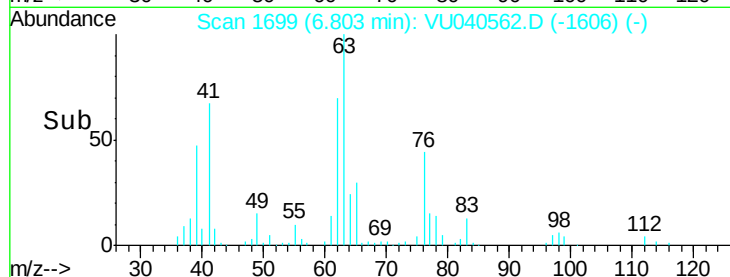
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.995 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

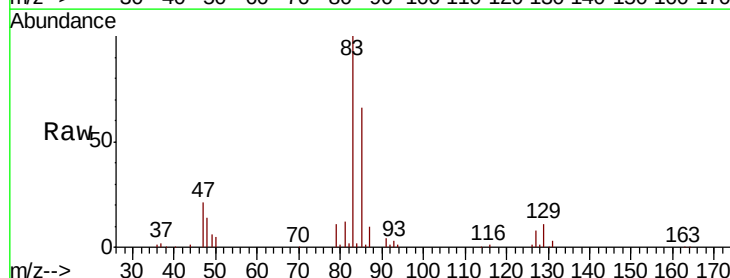
Tgt Ion: 83 Resp: 86038

Ion Ratio Lower Upper

83 100

85 66.0 46.0 85.4

127 8.0 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040559.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040559.D (-1781) (-)

7.12

60000

50000

40000

30000

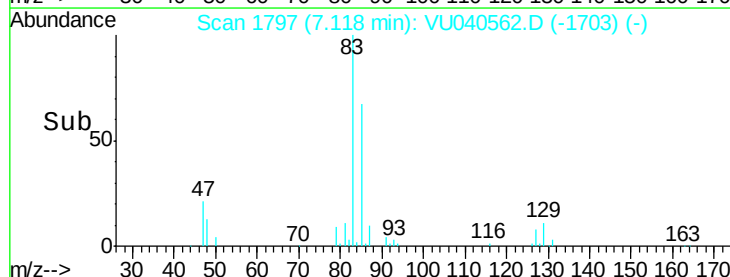
20000

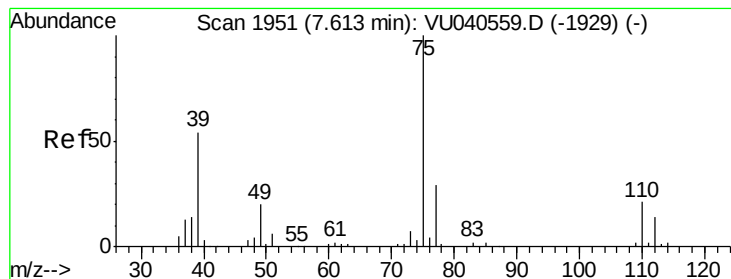
10000

0

7.05 7.10 7.15 7.20

Time-->



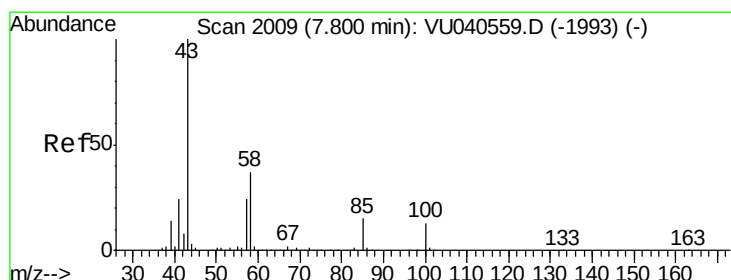
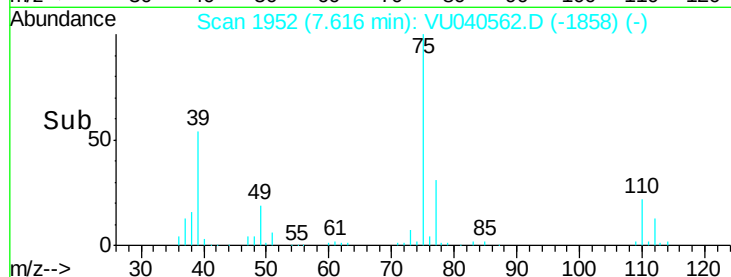
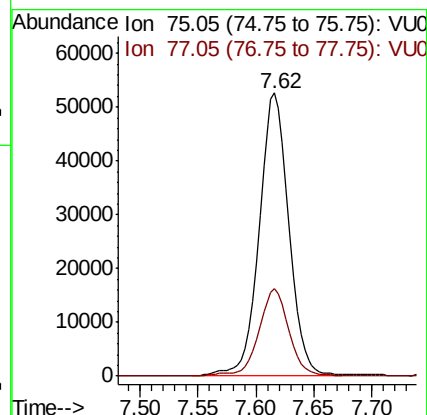
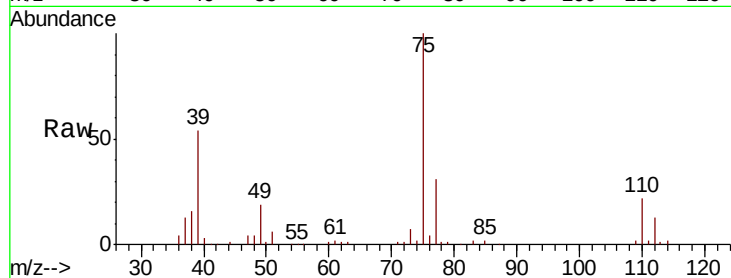


#39

cis-1,3-Dichloropropene
 Concen: 5.124 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

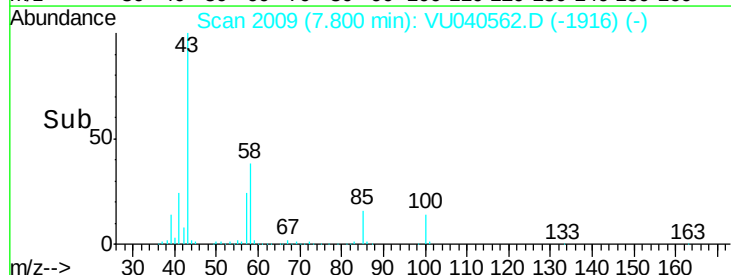
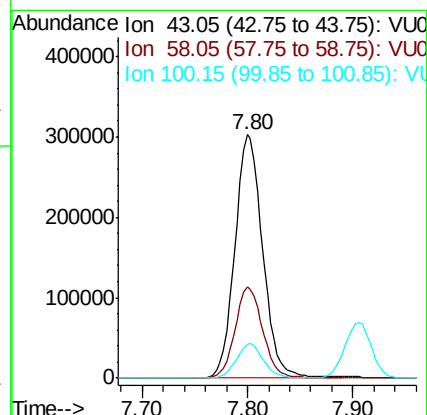
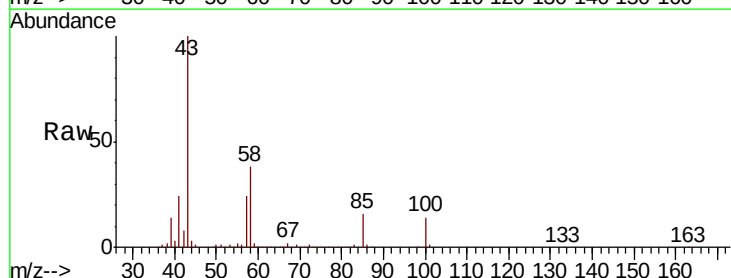
Tot Ion: 75 Resp: 94346
 Ion Ratio Lower Upper
 75 100
 77 30.7 20.5 38.1

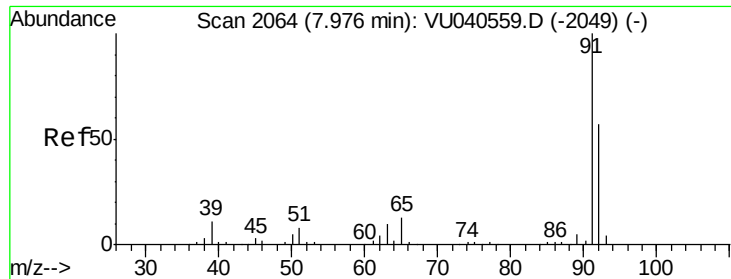


#40

4-Methyl-2-pentanone
 Concen: 51.391 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion: 43 Resp: 552107
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 13.8 10.7 16.1





#42

Toluene

Concen: 5.131 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

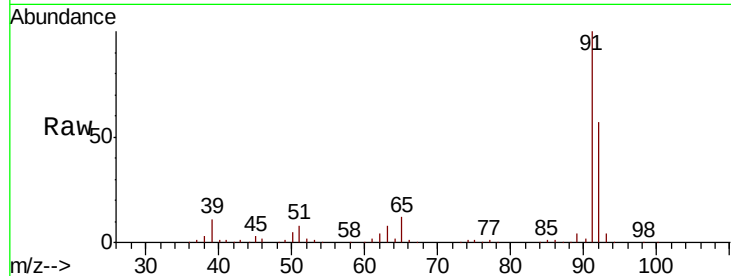
VICV04

Tot Ion: 91 Resp: 252861

Ion Ratio Lower Upper

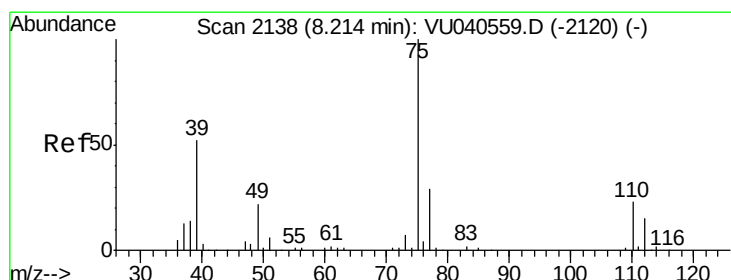
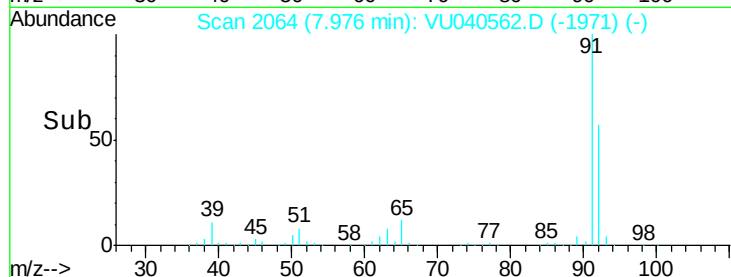
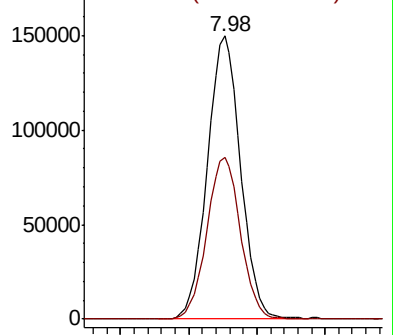
91 100

92 56.9 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: 5.125 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040562.D

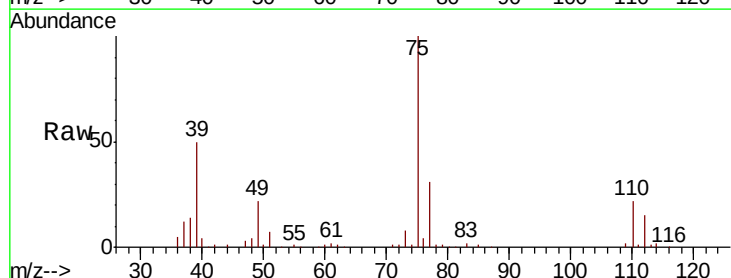
Acq: 08 Oct 2020 14:55

Tgt Ion: 75 Resp: 86865

Ion Ratio Lower Upper

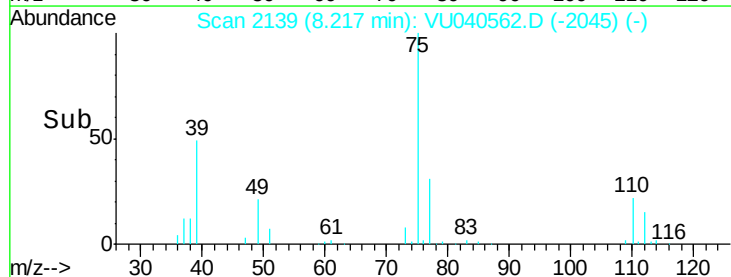
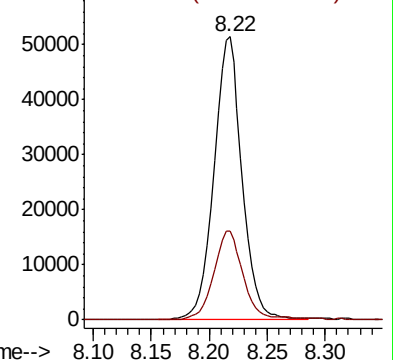
75 100

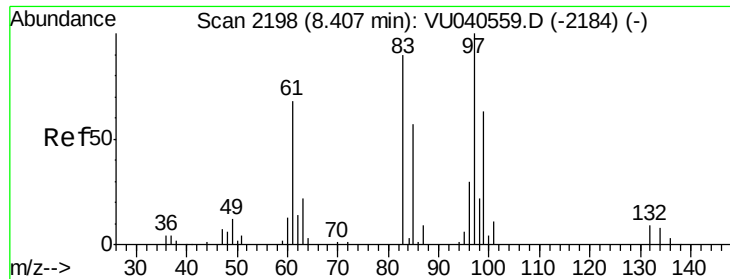
77 31.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

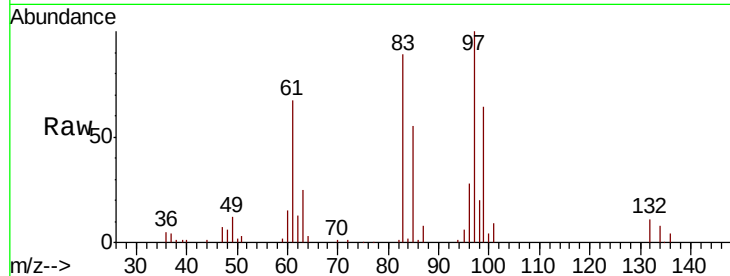




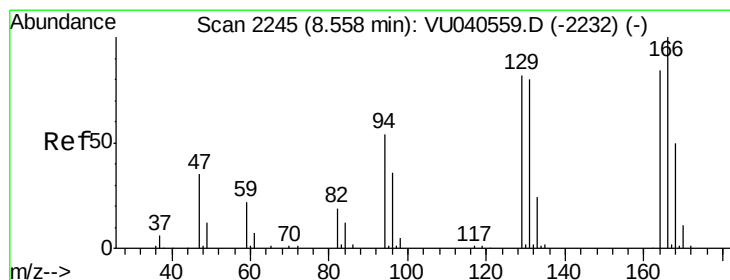
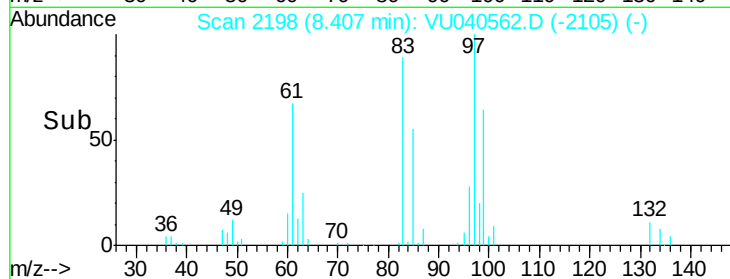
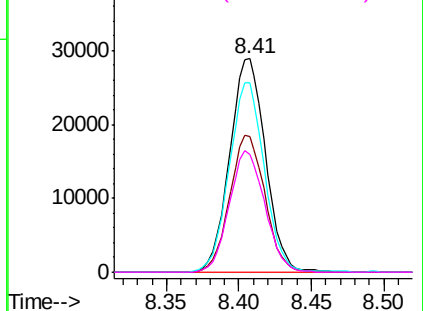
#45
 1,1,2-Trichloroethane
 Concen: 4.919 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

Tot Ion:	97	Resp:	49644
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.0	81.6
83	88.7	62.9	116.9
85	55.3	40.3	74.8

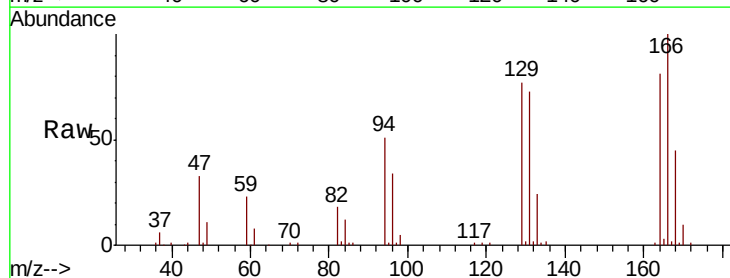


Abundance Ion 96.95 (96.65 to 97.65): VU040562.D (-2105) (-)

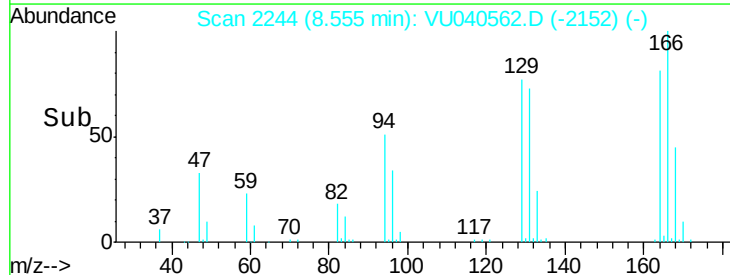
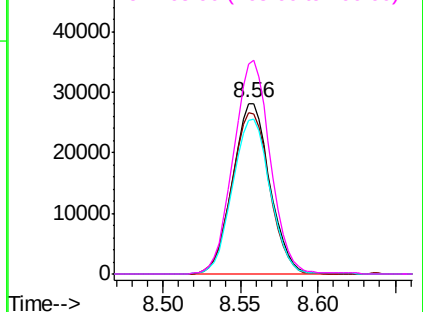


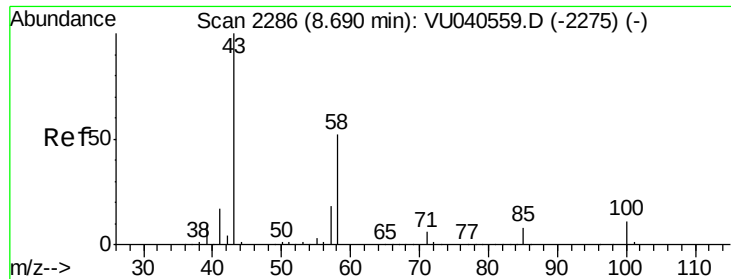
#47
 Tetrachloroethene
 Concen: 5.236 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion:	164	Resp:	46830
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.8	127.8
131	90.2	66.7	123.9
166	123.3	83.9	155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040562.D (-2152) (-)

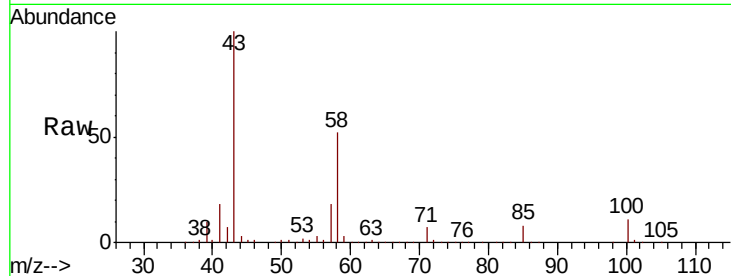




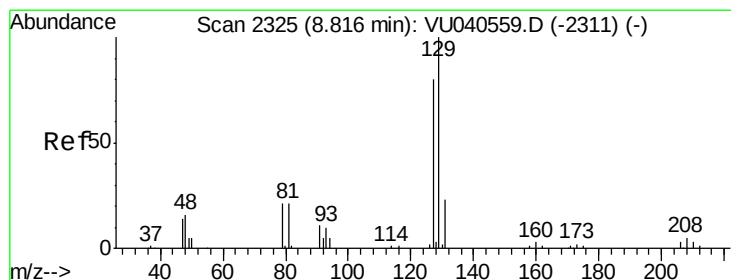
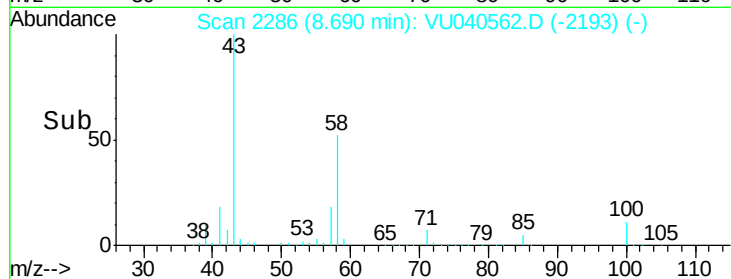
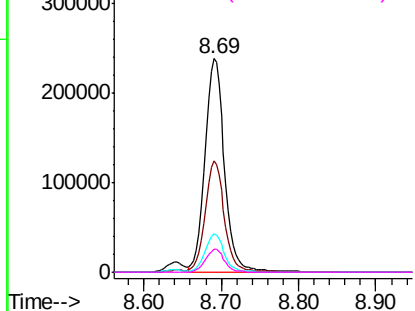
#48
2-Hexanone
Concen: 52.555 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Instrument :
MSVOA_U
ClientSampled :
VICV04

Tot Ion: 43 Resp: 420370
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 17.5 14.4 21.6
100 10.7 8.6 13.0

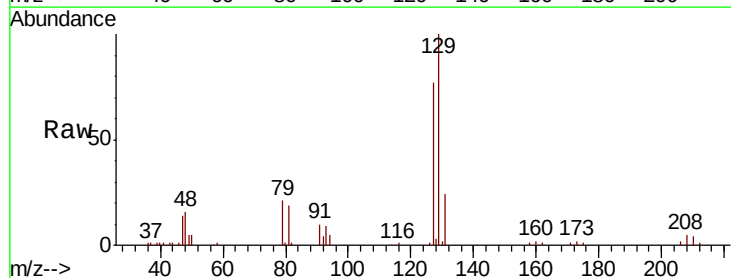


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

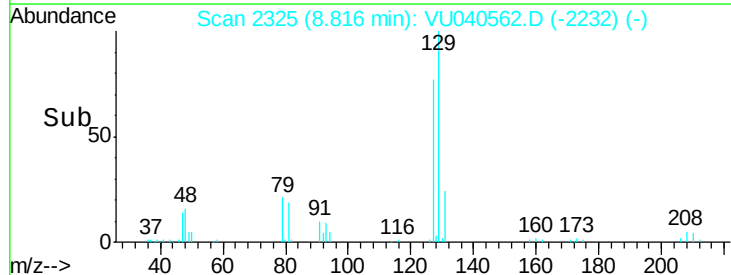
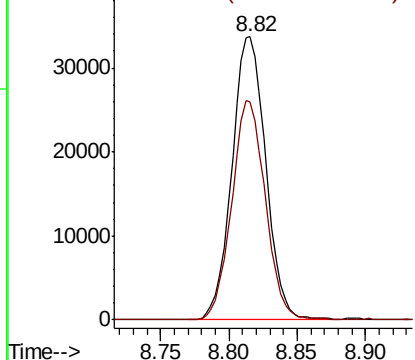


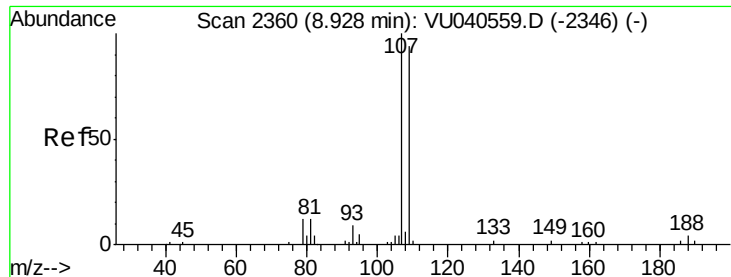
#49
Dibromochloromethane
Concen: 5.002 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion: 129 Resp: 58091
Ion Ratio Lower Upper
129 100
127 77.0 55.8 103.6



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

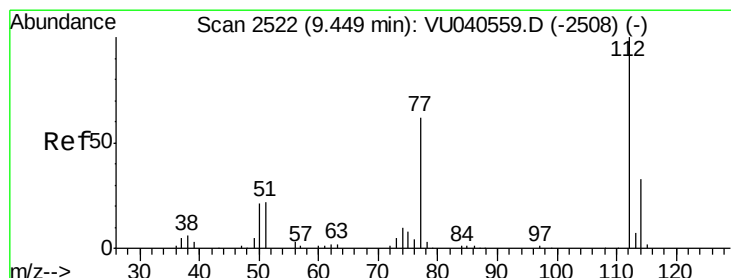
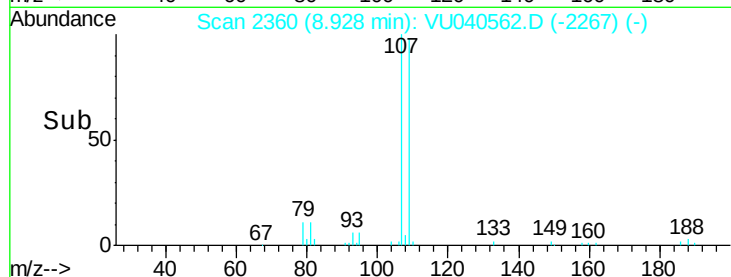
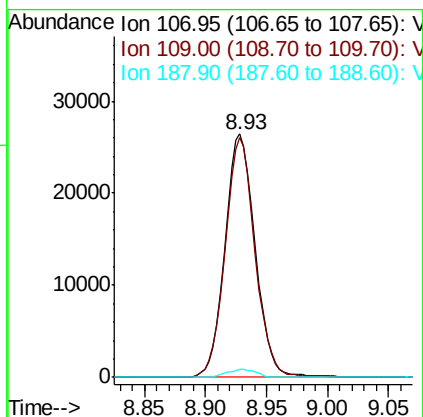
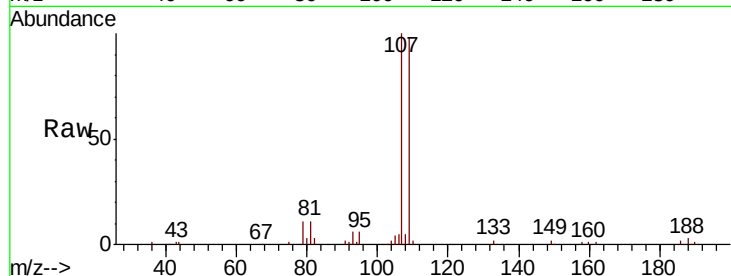




#50
 1,2-Dibromoethane
 Concen: 4.789 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

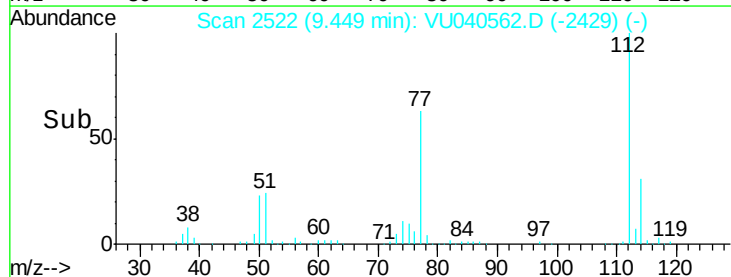
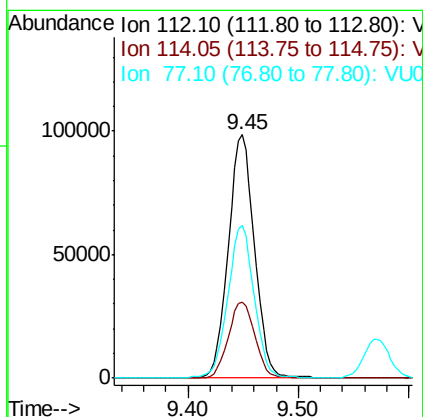
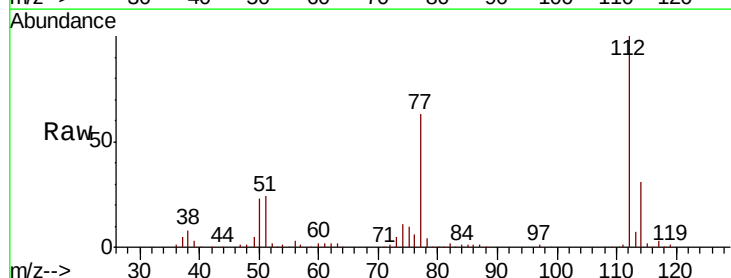
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

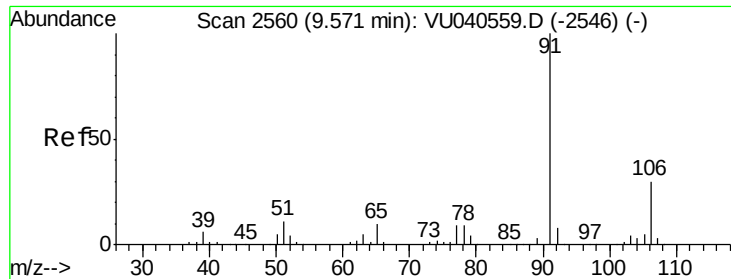
Tot Ion:107 Resp: 45851
 Ion Ratio Lower Upper
 107 100
 109 98.4 65.7 121.9
 188 3.4 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.994 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion:112 Resp: 162122
 Ion Ratio Lower Upper
 112 100
 114 31.4 23.1 42.9
 77 62.7 50.3 75.5





#52

Ethylbenzene

Concen: 5.212 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

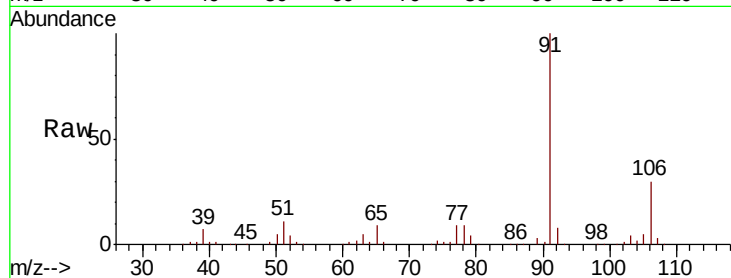
VICV04

Tot Ion: 91 Resp: 277967

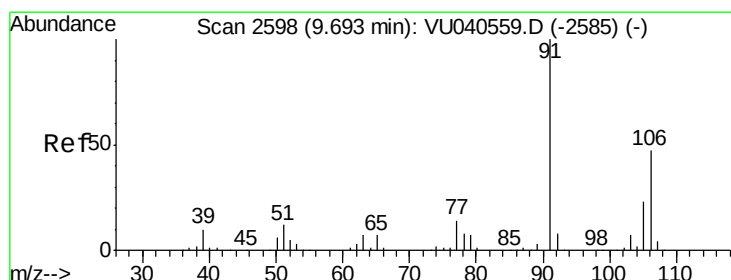
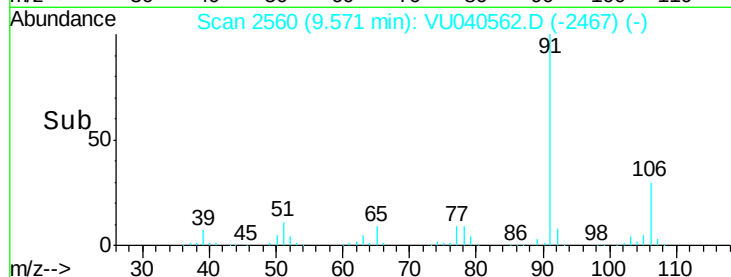
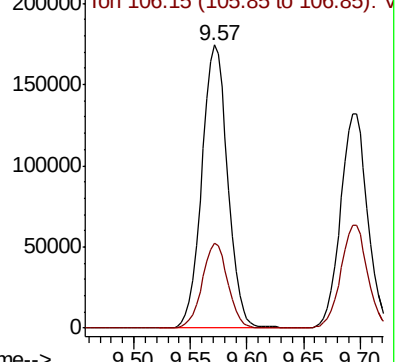
Ion Ratio Lower Upper

91 100

106 29.8 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.388 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040562.D

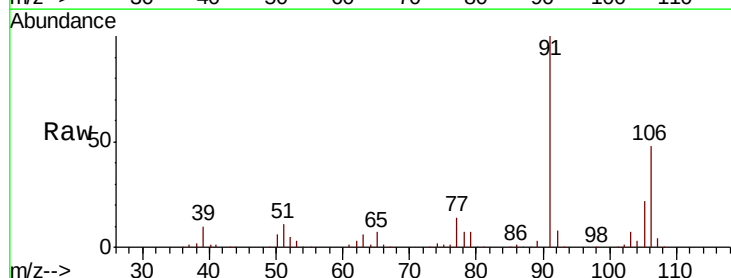
Acq: 08 Oct 2020 14:55

Tgt Ion: 106 Resp: 104740

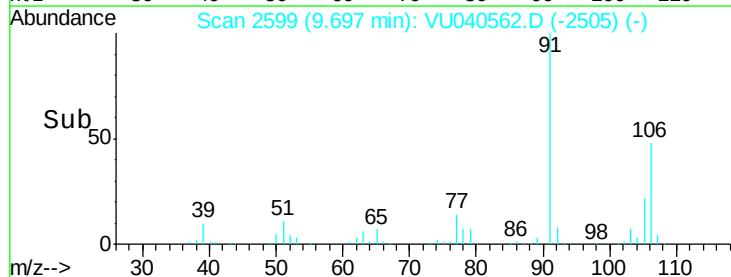
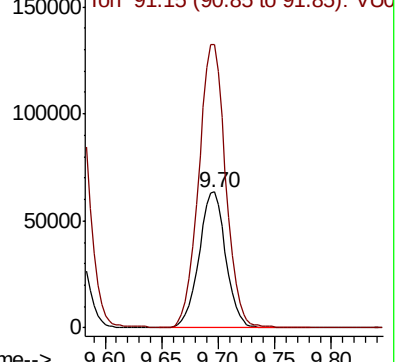
Ion Ratio Lower Upper

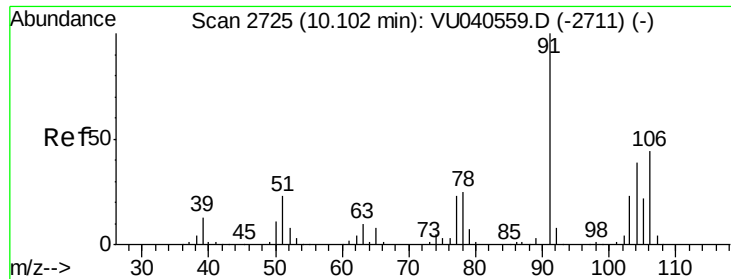
106 100

91 207.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040559.D (-2585) (-)

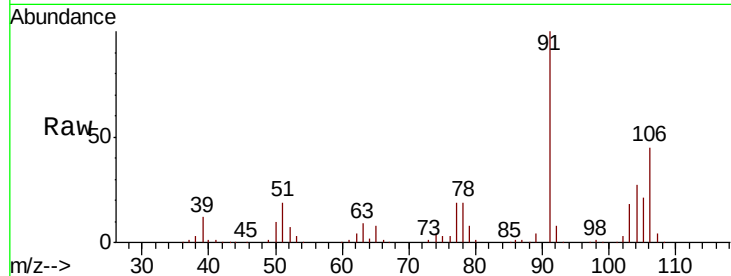




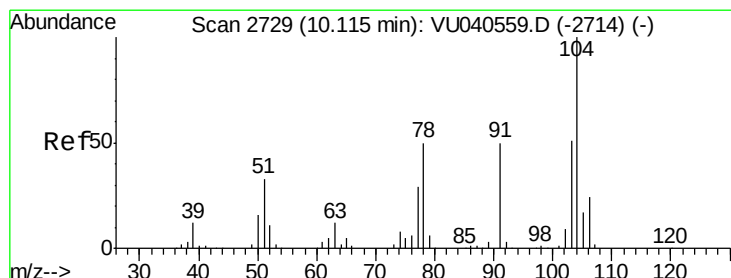
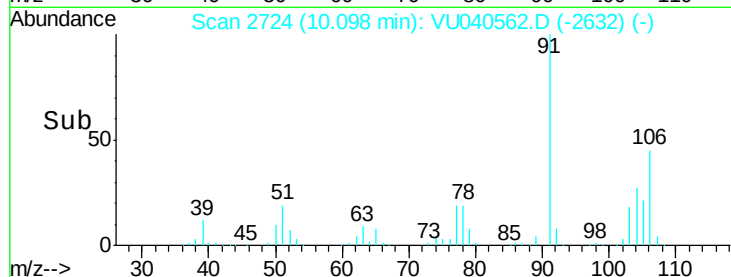
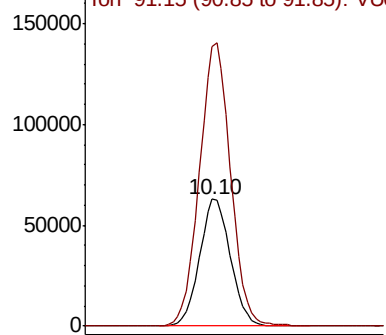
#54
o-Xylene
Concen: 5.293 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Instrument :
MSVOA_U
ClientSampleId :
VICV04

Tot Ion:106 Resp: 98950
Ion Ratio Lower Upper
106 100
91 220.1 160.2 297.4

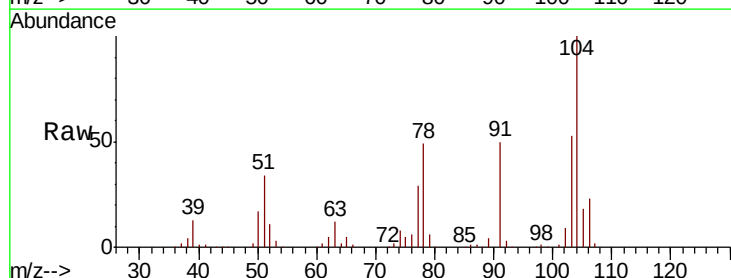


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

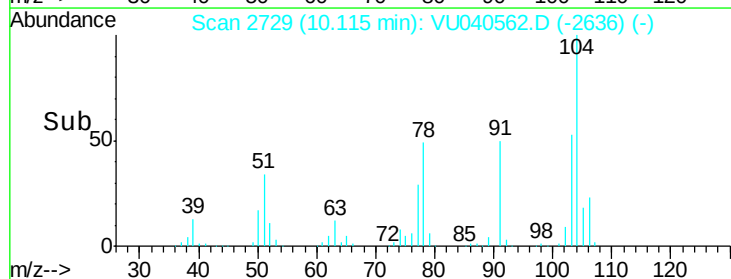
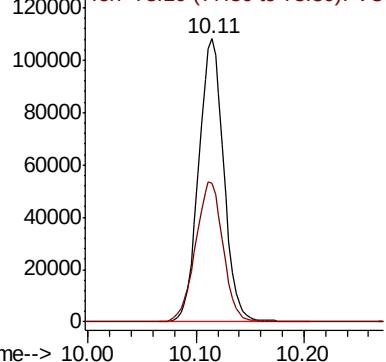


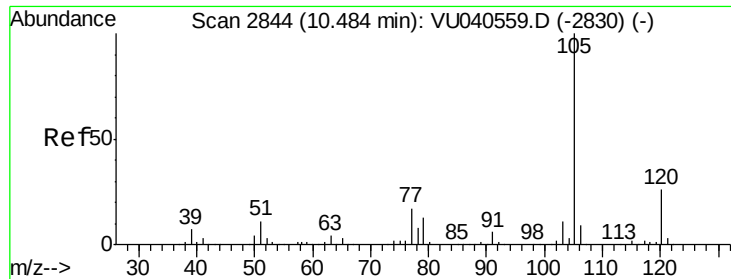
#55
Styrene
Concen: 5.408 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040562.D
Acq: 08 Oct 2020 14:55

Tgt Ion:104 Resp: 175585
Ion Ratio Lower Upper
104 100
78 49.2 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: 5.465 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

VICV04

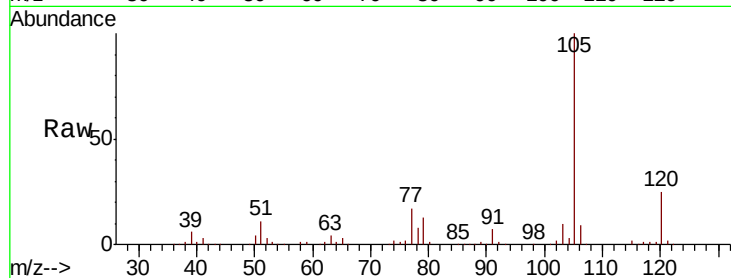
Tot Ion:105 Resp: 275063

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

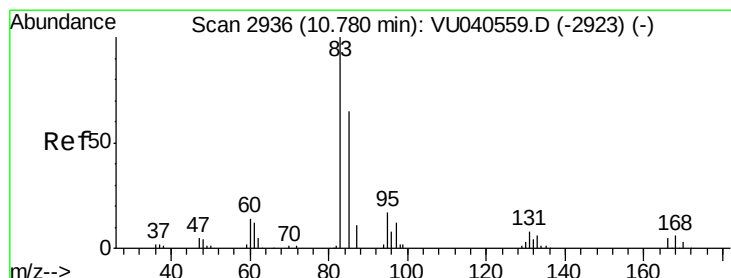
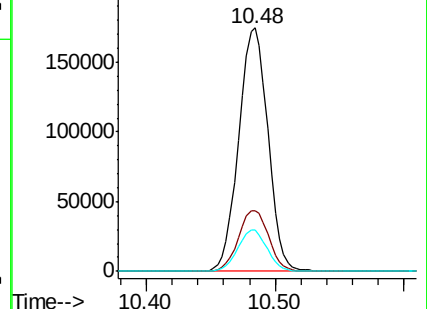
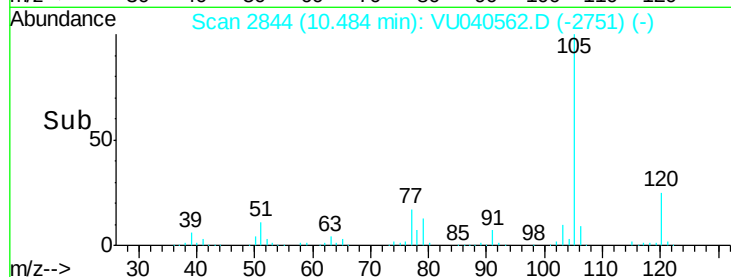
77 17.0 13.8 20.6



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: 4.993 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

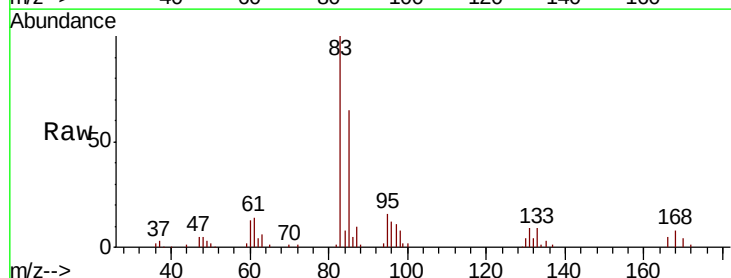
Tgt Ion: 83 Resp: 66156

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6

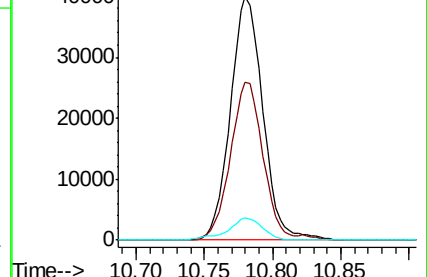
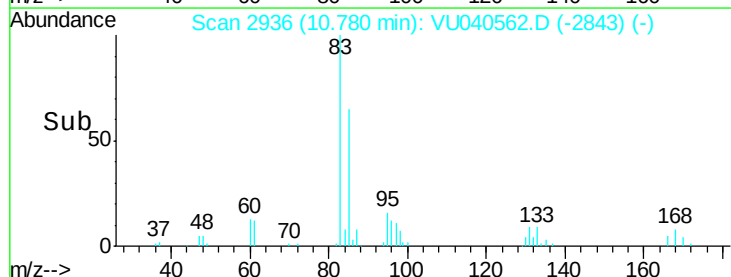
131 9.1 7.1 10.7

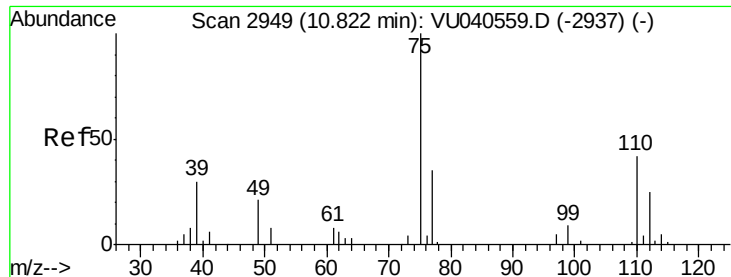


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): VU0





#59

1,2,3-Trichloropropane

Concen: 4.918 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

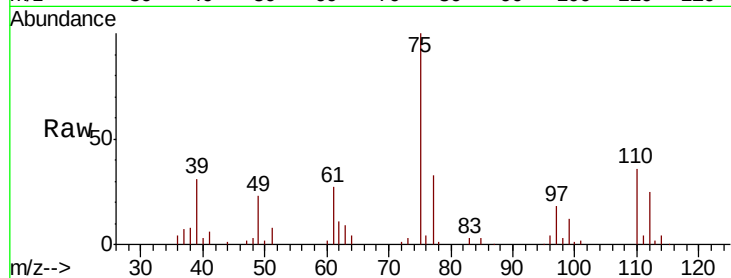
VICV04

Tot Ion: 75 Resp: 48677

Ion Ratio Lower Upper

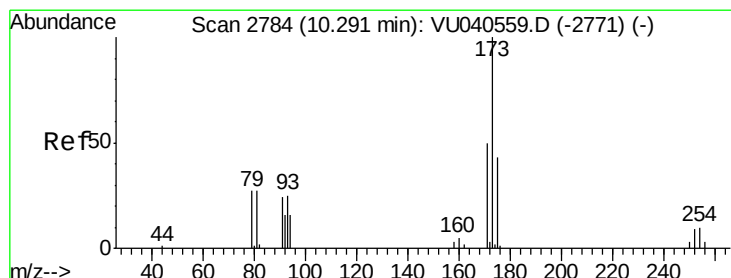
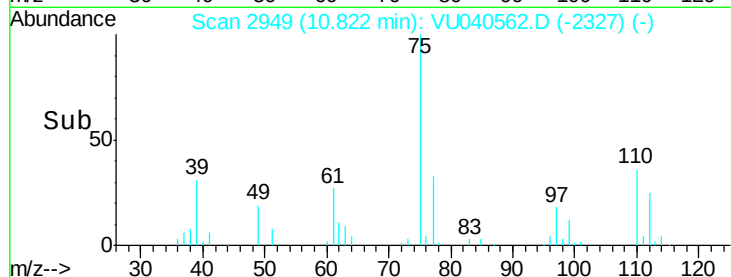
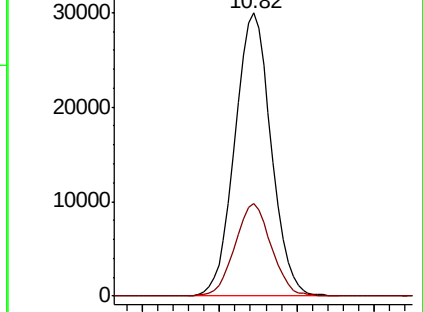
75 100

77 32.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040559.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040559.D (-2937) (-)



#61

Bromoform

Concen: 5.045 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

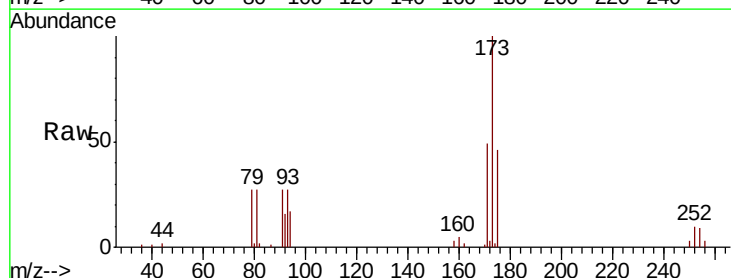
Tgt Ion: 173 Resp: 33679

Ion Ratio Lower Upper

173 100

175 47.0 37.4 56.0

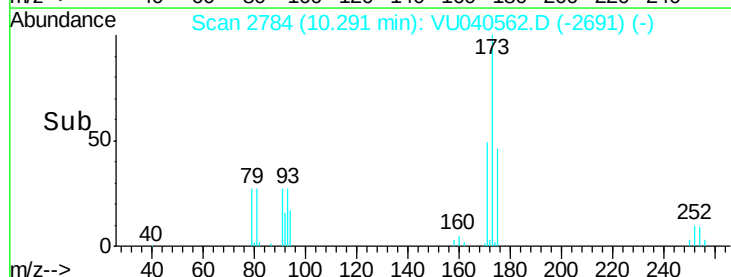
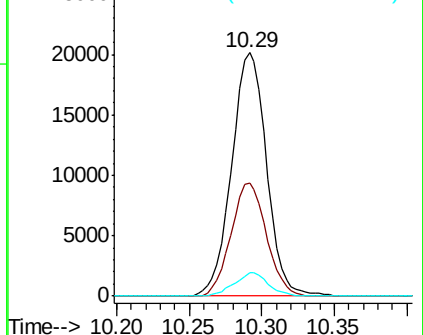
254 9.2 7.4 11.2

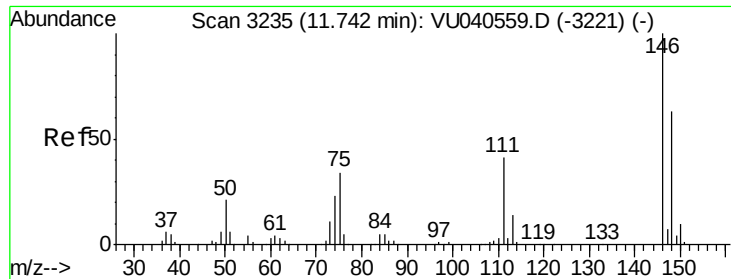


Abundance Ion 172.90 (172.60 to 173.60): VU040559.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040559.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040559.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.344 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

VICV04

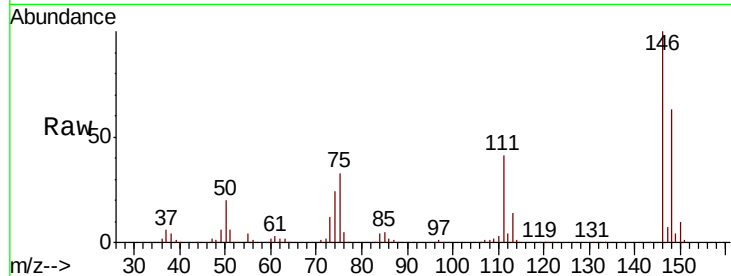
Tot Ion:146 Resp: 136215

Ion Ratio Lower Upper

146 100

111 41.2 28.8 53.6

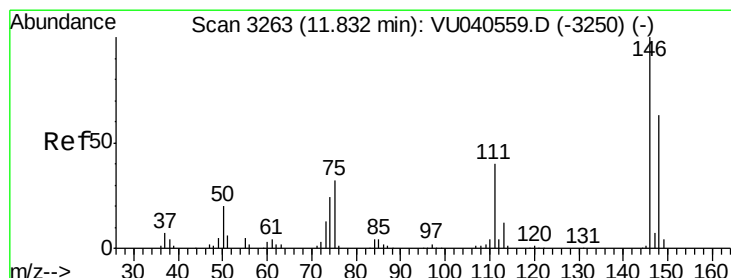
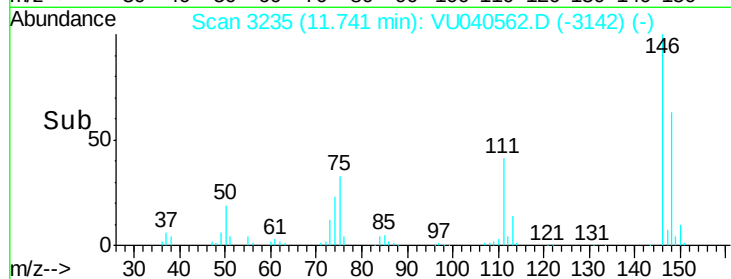
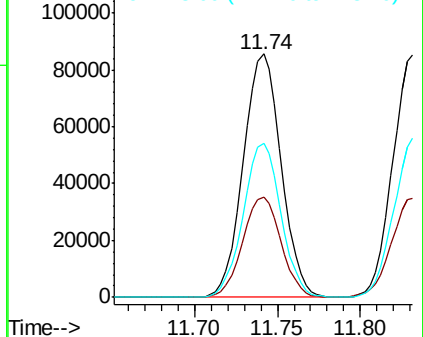
148 63.1 44.4 82.4



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: 5.199 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

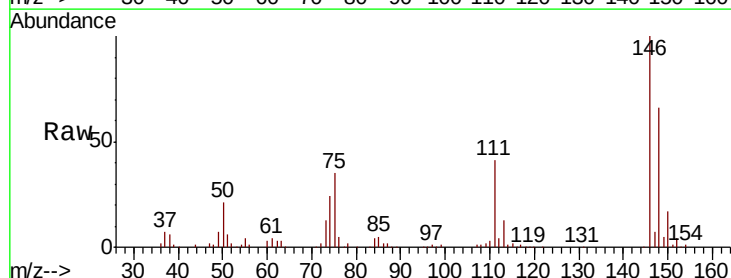
Tgt Ion:146 Resp: 136648

Ion Ratio Lower Upper

146 100

111 40.9 28.4 52.8

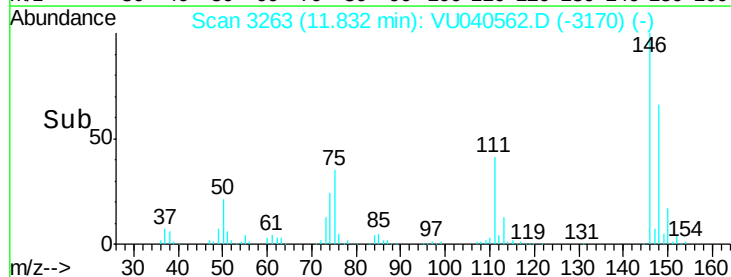
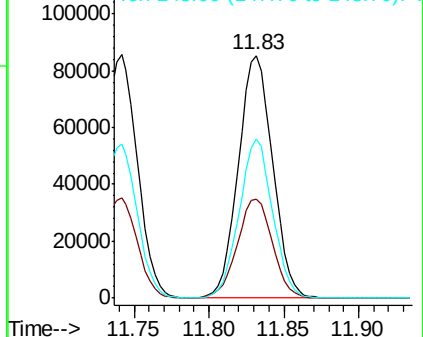
148 65.7 44.0 81.6

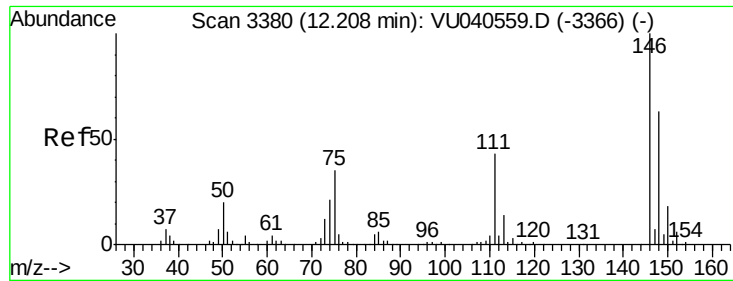


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

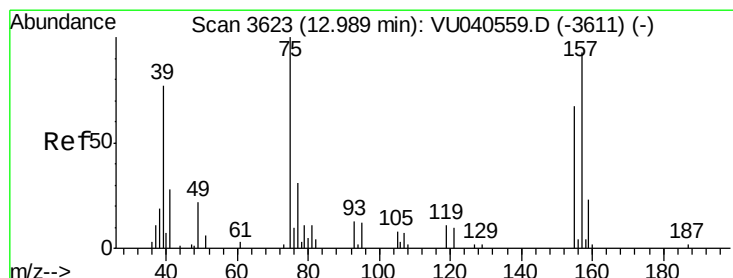
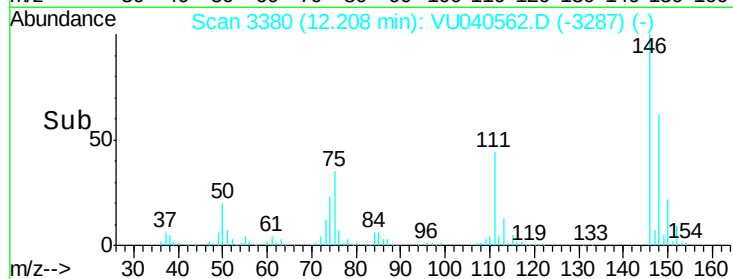
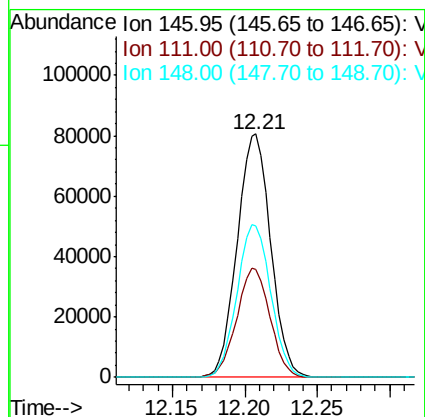
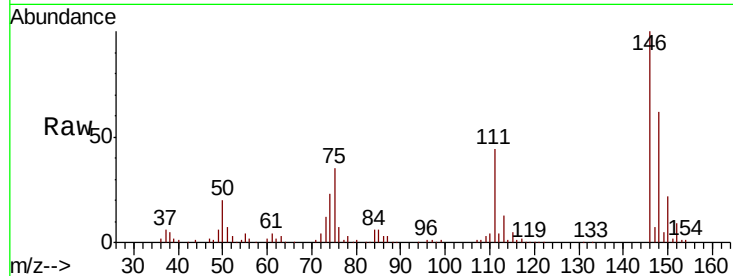




#65
 1,2-Dichlorobenzene
 Concen: 5.195 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

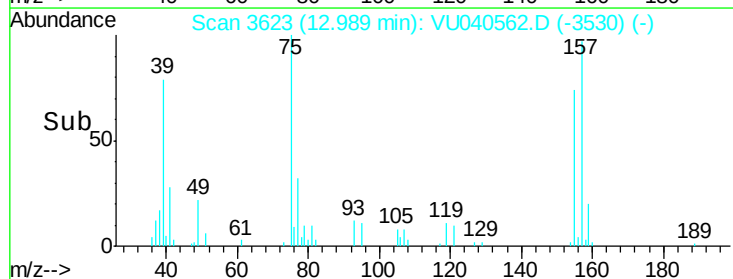
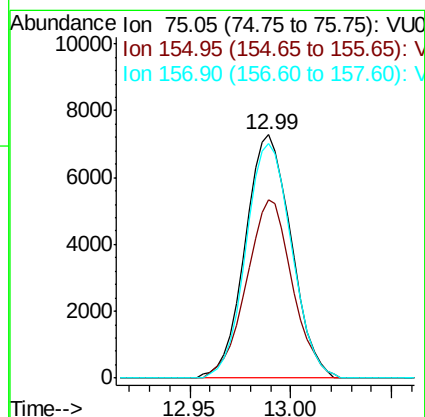
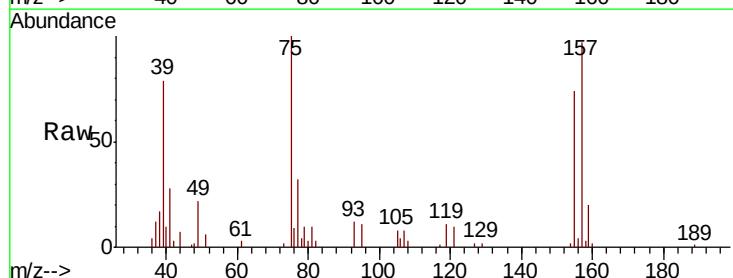
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV04

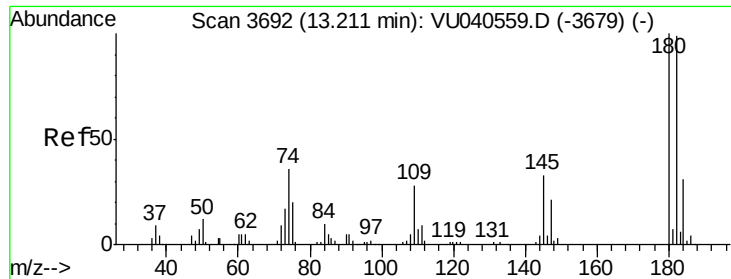
Tot Ion:146 Resp: 129463
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.4 51.6
 148 62.3 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.333 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion: 75 Resp: 11637
 Ion Ratio Lower Upper
 75 100
 155 73.5 53.8 80.6
 157 96.6 74.6 112.0

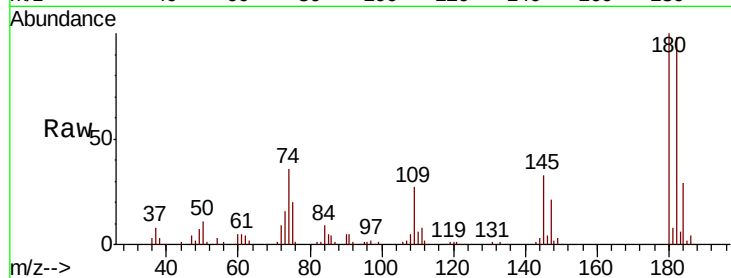




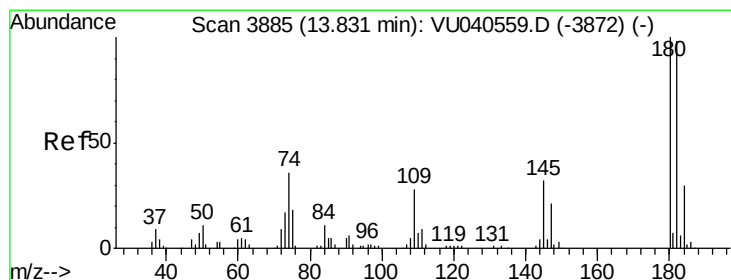
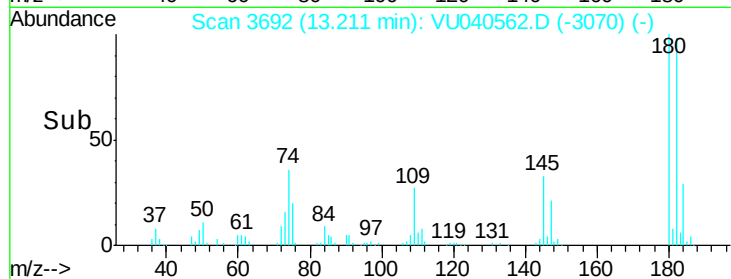
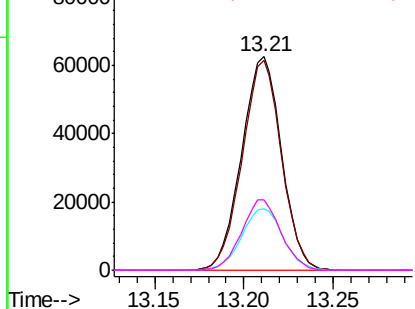
#67
 1,3,5-Trichlorobenzene
 Concen: 5.389 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Instrument :
 MSVOA_U
 ClientSampled :
 VICV04

Tot Ion:180 Resp: 97462
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.0 115.4
 184 29.9 24.5 36.7
 145 32.3 25.9 38.9

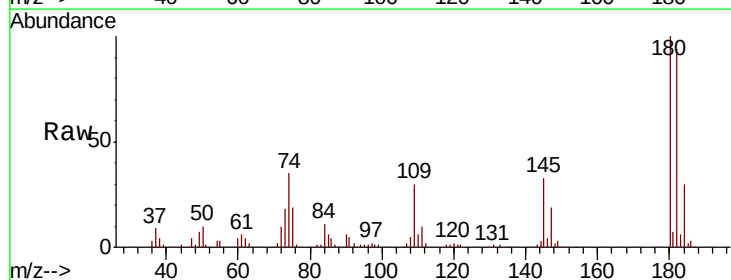


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

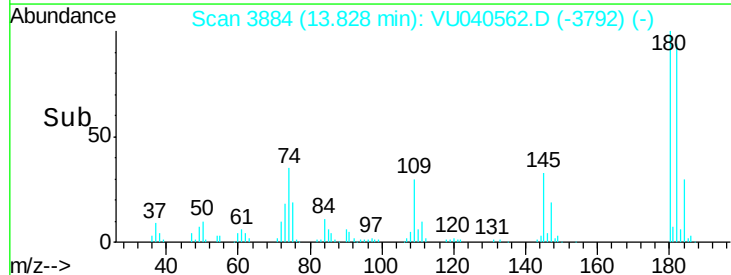
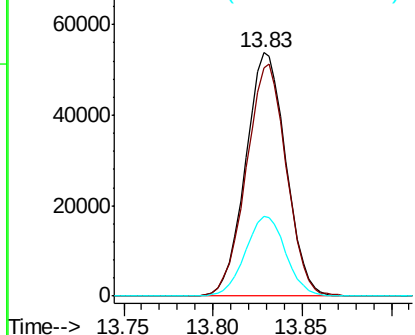


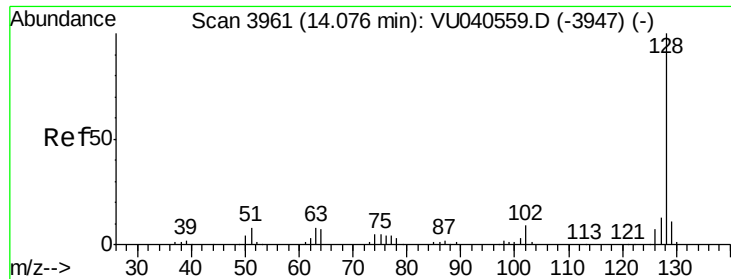
#68
 1,2,4-trichlorobenzene
 Concen: 6.099 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040562.D
 Acq: 08 Oct 2020 14:55

Tgt Ion:180 Resp: 85221
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.8 118.2
 145 32.8 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: 7.239 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

Instrument :

MSVOA_U

ClientSampleId :

VICV04

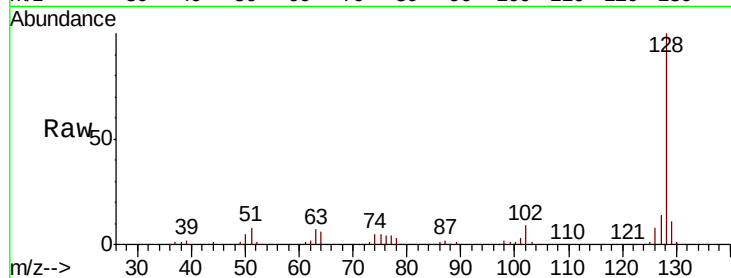
Tot Ion:128 Resp: 165472

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

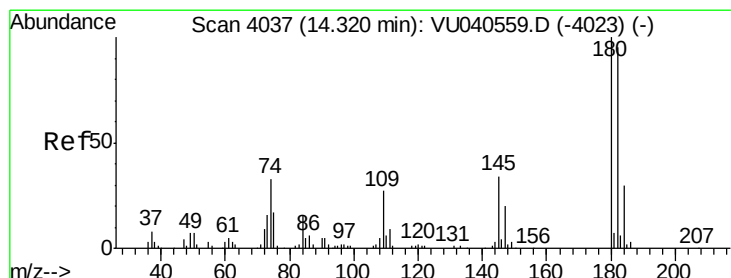
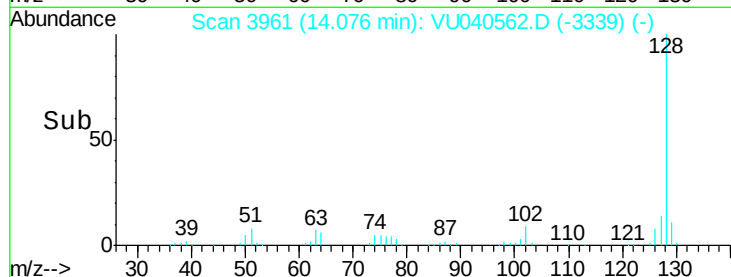
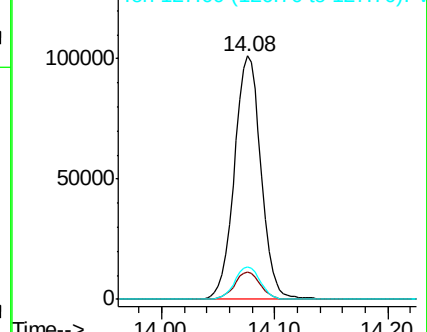
127 13.2 10.2 15.4



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: 6.392 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040562.D

Acq: 08 Oct 2020 14:55

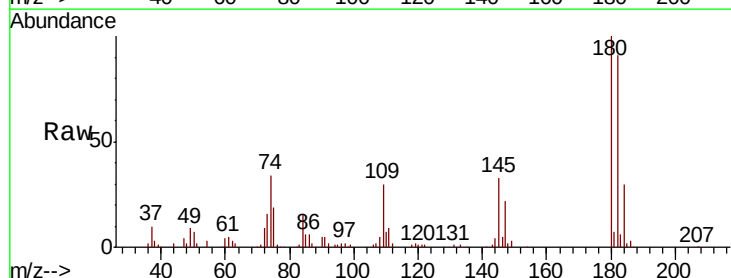
Tgt Ion:180 Resp: 82945

Ion Ratio Lower Upper

180 100

182 93.7 75.8 113.8

145 34.5 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

