

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092320\
 Data File : VU040254.D
 Acq On : 23 Sep 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 02:21:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	166683	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	168446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	88153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51276	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.92	69	45697	6.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.60%
11) 1,1-Dichloroethene-d2	2.58	63	118631	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.65	46	190105	52.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	5.08	84	112399	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.72	65	65171	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	206495	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	66113	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.90	98	188789	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.18	79	28199	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	142084	50.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56285	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	73183	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	74530	4.505 ug/L	98
3) Chloromethane	1.52	50	70608	4.458 ug/L	100
5) Vinyl chloride	1.61	62	73652	4.587 ug/L	96
6) Bromomethane	1.86	94	39866	4.858 ug/L	94
8) Chloroethane	1.94	64	43600	4.519 ug/L	97
9) Trichlorofluoromethane	2.15	101	110633	4.810 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	72788	4.882 ug/L	98
12) 1,1-Dichloroethene	2.59	96	60390	4.682 ug/L	95
13) Acetone	2.66	43	153033	45.414 ug/L	97
14) Carbon disulfide	2.80	76	174391	4.216 ug/L	99
15) Methyl Acetate	2.97	43	36378	4.301 ug/L	97
16) Methylene chloride	3.06	84	73092	4.327 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	167821	4.317 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	63395	4.569 ug/L	94
19) 1,1-Dichloroethane	3.89	63	134157	4.697 ug/L	99
21) 2-Butanone	4.73	43	249249	45.306 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	72373	4.851 ug/L	94

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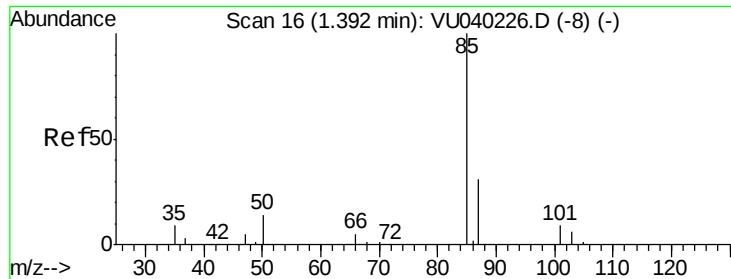
Instrument :
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.99	128	34472	5.273	ug/L	93
25) Chloroform	5.11	83	144267	4.932	ug/L	100
27) 1,2-Dichloroethane	5.81	62	96780	4.516	ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	121280	4.586	ug/L	99
30) Cyclohexane	5.40	56	105935	4.130	ug/L	99
31) Carbon tetrachloride	5.54	117	101748	4.495	ug/L	99
33) Benzene	5.79	78	281983	4.679	ug/L	100
34) Trichloroethene	6.55	95	71615	4.430	ug/L	92
35) Methylcyclohexane	6.77	83	103884	4.197	ug/L	97
37) 1,2-Dichloropropane	6.80	63	75877	4.650	ug/L	100
38) Bromodichloromethane	7.11	83	99921	4.486	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	104542	4.344	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	582095	43.479	ug/L	99
42) Toluene	7.97	91	298187	4.805	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	96413	4.324	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	55712	4.687	ug/L	99
47) Tetrachloroethene	8.56	164	53698	5.057	ug/L	98
48) 2-Hexanone	8.69	43	428778	43.907	ug/L	99
49) Dibromochloromethane	8.81	129	65613	4.599	ug/L	99
50) 1,2-Dibromoethane	8.92	107	52521	4.583	ug/L	95
51) Chlorobenzene	9.45	112	189249	4.912	ug/L	96
52) Ethylbenzene	9.57	91	321580	4.561	ug/L	100
53) m,p-Xylene	9.69	106	122461	4.878	ug/L	97
54) o-Xylene	10.10	106	116319	4.862	ug/L	93
55) Styrene	10.11	104	211380	5.081	ug/L	95
56) Isopropylbenzene	10.48	105	317866	4.872	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	71302	4.678	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	52925	4.378	ug/L	99
61) Bromoform	10.29	173	35694	4.415	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	154788	4.804	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	156474	4.799	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	146782	4.708	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	11638	3.490	ug/L	99
67) 1,3,5-Trichlorobenzene	13.21	180	106360	4.695	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	86033	4.409	ug/L	97
69) Naphthalene	14.08	128	131480	3.232	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	79941	4.460	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.505 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

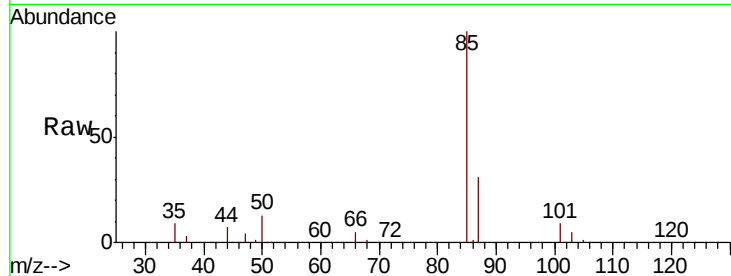
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 74530

Ion Ratio Lower Upper

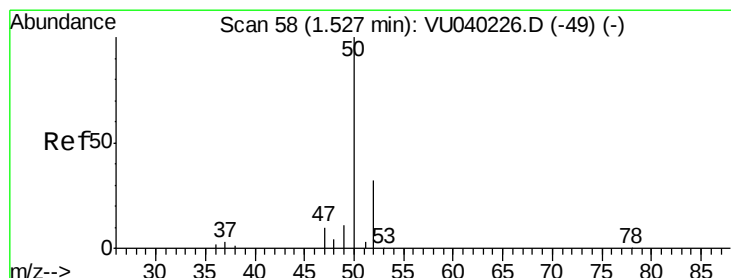
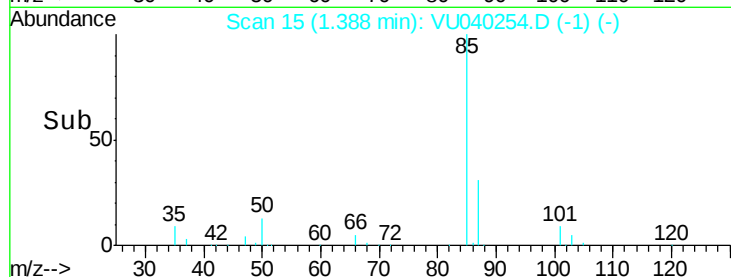
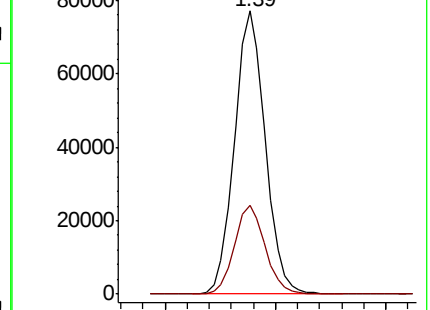
85 100

87 31.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040226.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040226.D (-8) (-)



#3

Chloromethane

Concen: 4.458 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040254.D

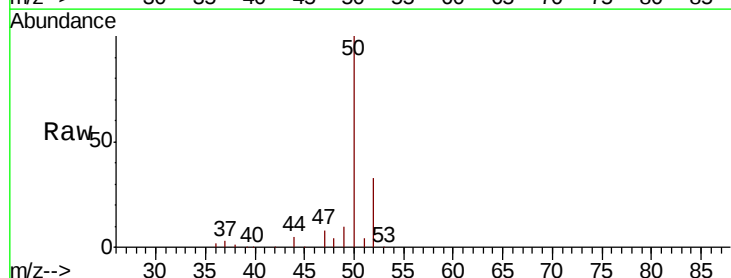
Acq: 23 Sep 2020 10:19

Tgt Ion: 50 Resp: 70608

Ion Ratio Lower Upper

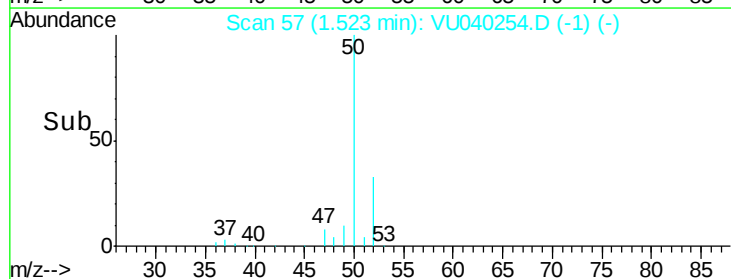
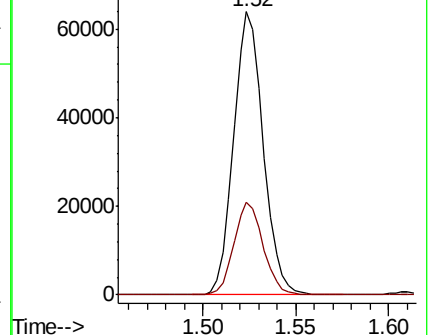
50 100

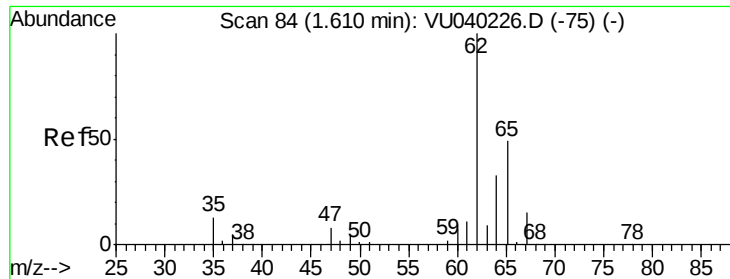
52 32.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040226.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040226.D (-49) (-)





#5

Vinyl chloride

Concen: 4.587 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

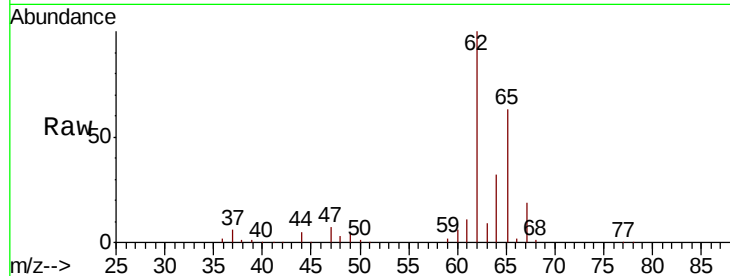
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 73652

Ion Ratio Lower Upper

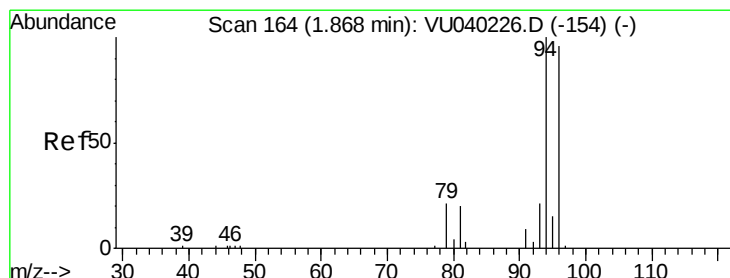
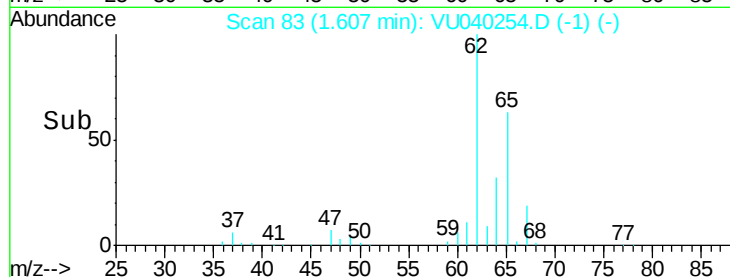
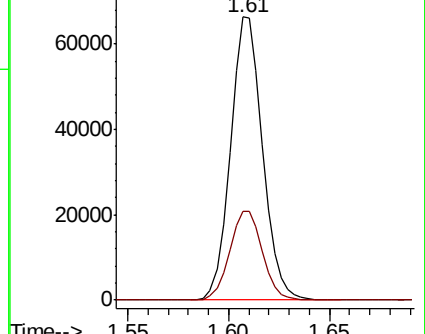
62 100

64 31.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.858 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040254.D

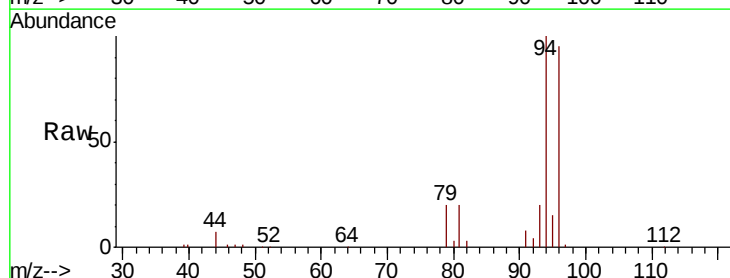
Acq: 23 Sep 2020 10:19

Tgt Ion: 94 Resp: 39866

Ion Ratio Lower Upper

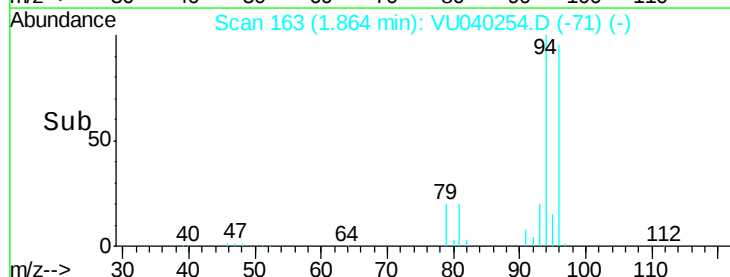
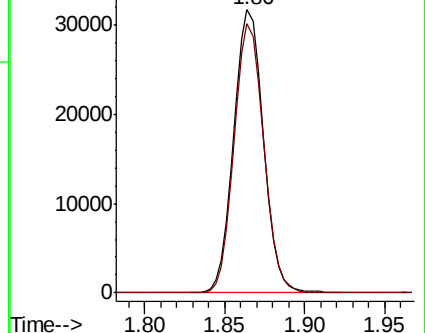
94 100

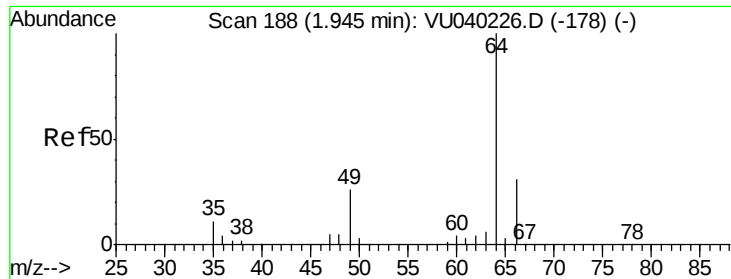
96 95.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

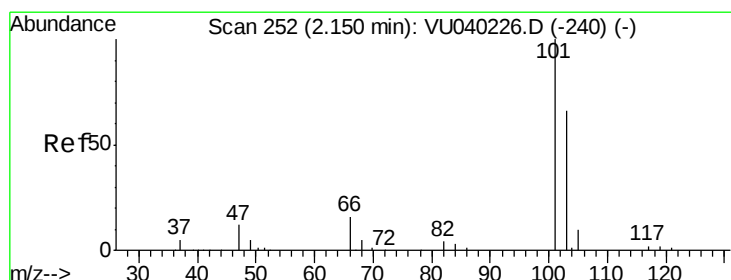
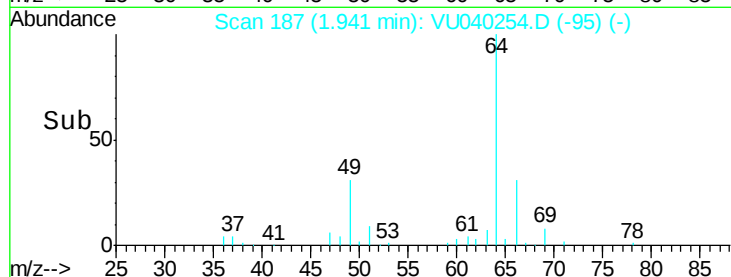
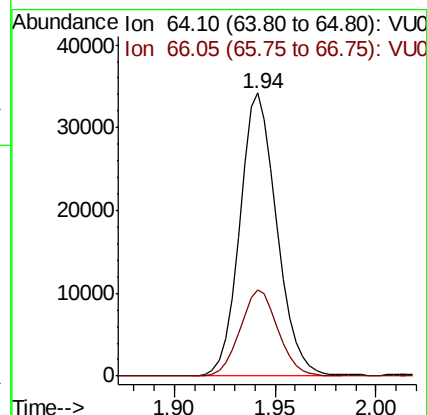
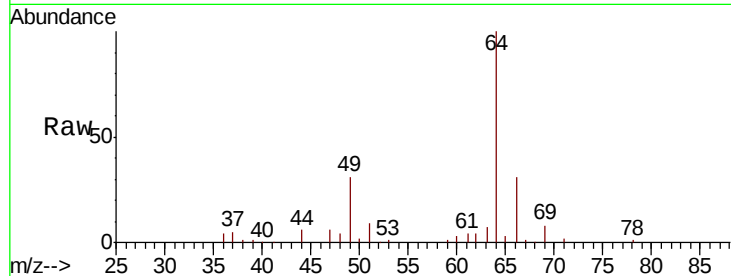




#8
Chloroethane
Concen: 4.519 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

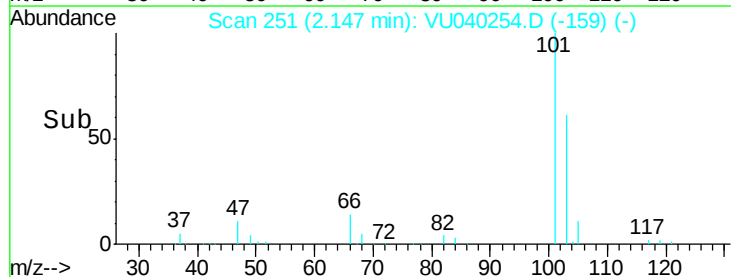
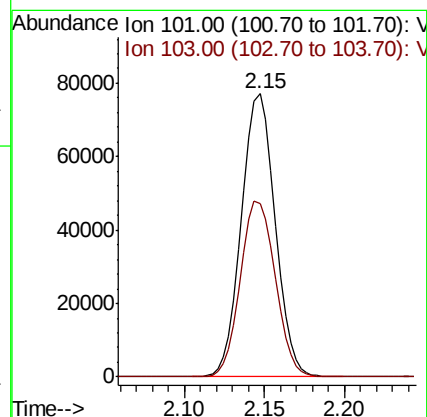
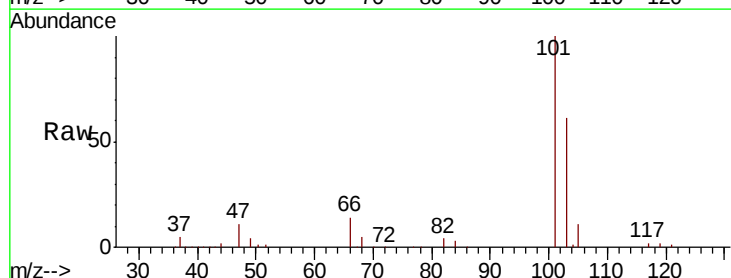
Instrument :
MSVOA_U
ClientSampled :

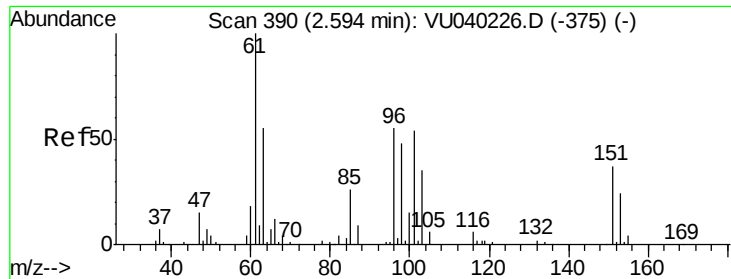
Tot Ion: 64 Resp: 43600
Ion Ratio Lower Upper
64 100
66 30.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.810 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion:101 Resp: 110633
Ion Ratio Lower Upper
101 100
103 64.2 51.3 76.9





#10

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

Concen: 4.882 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

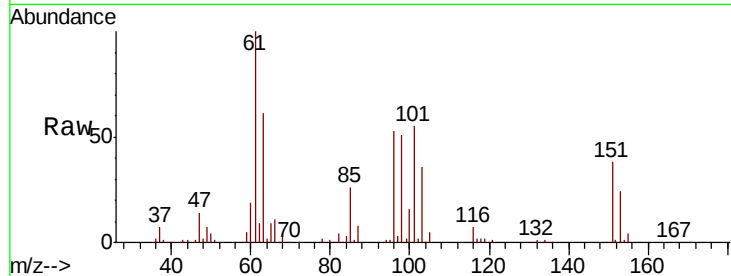
Tot Ion:101 Resp: 72788

Ion Ratio Lower Upper

101 100

85 45.9 37.7 56.5

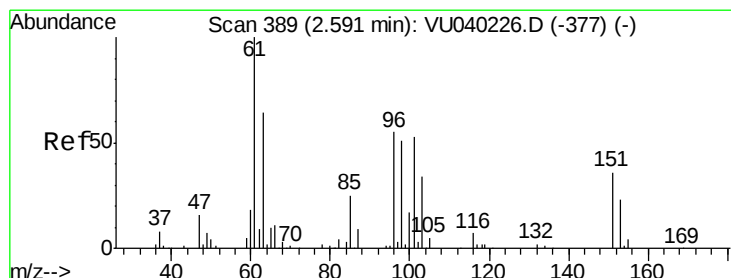
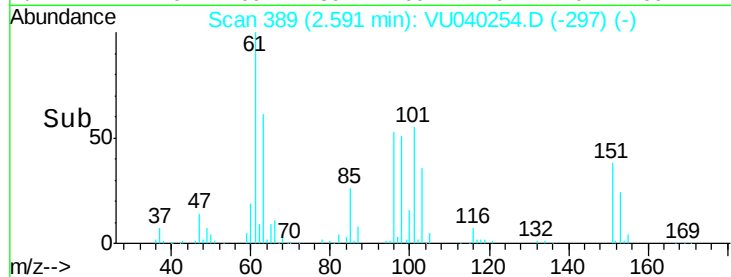
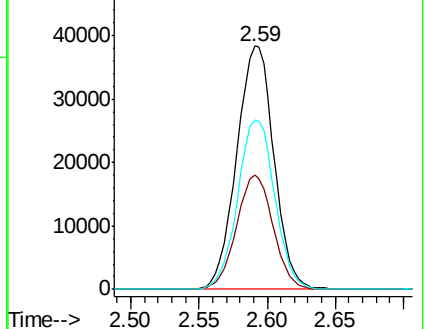
151 69.4 53.9 80.9



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: 4.682 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

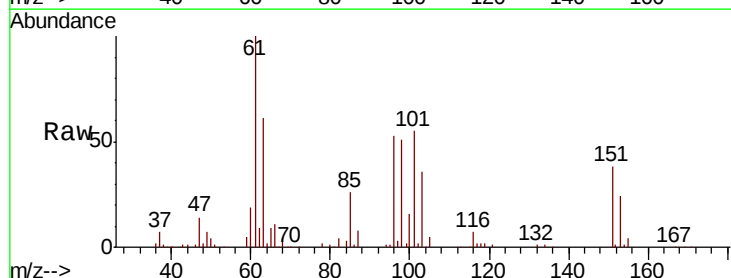
Tgt Ion: 96 Resp: 60390

Ion Ratio Lower Upper

96 100

61 189.1 138.3 256.8

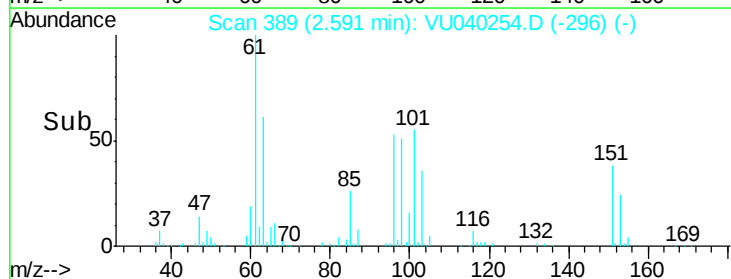
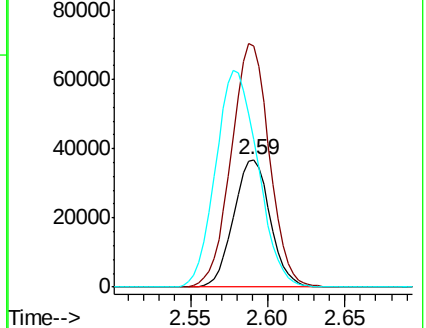
63 115.8 77.6 144.2

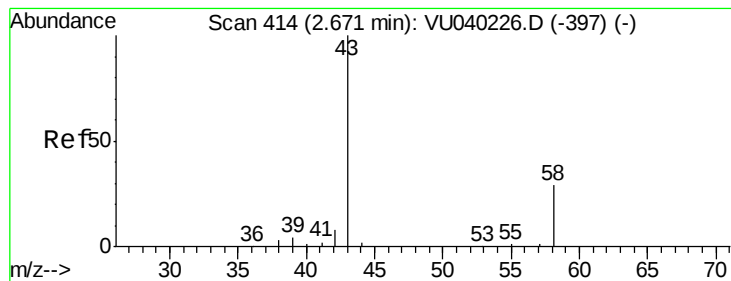


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.414 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

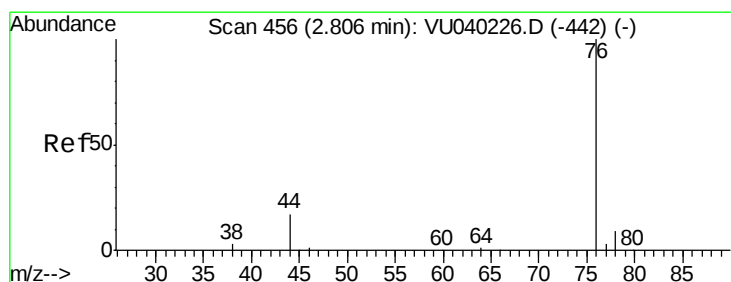
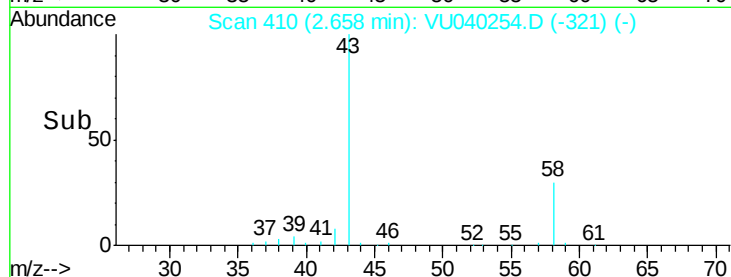
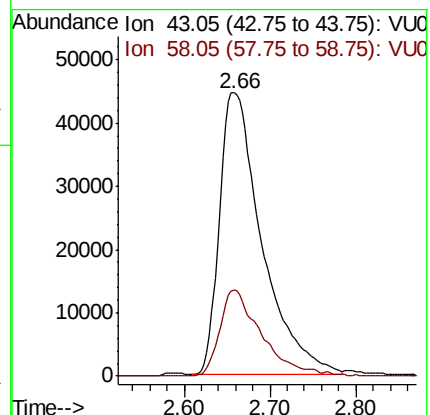
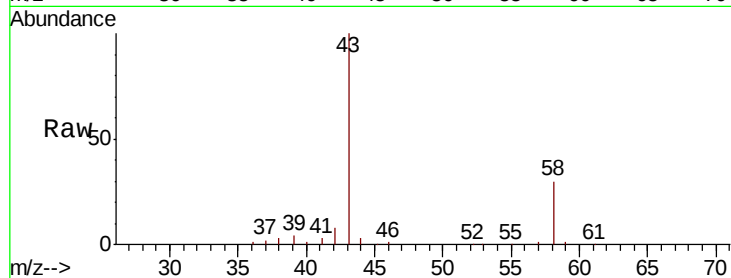
ClientSampleId :

Tot Ion: 43 Resp: 153033

Ion Ratio Lower Upper

43 100

58 29.1 0.0 55.4



#14

Carbon disulfide

Concen: 4.216 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040254.D

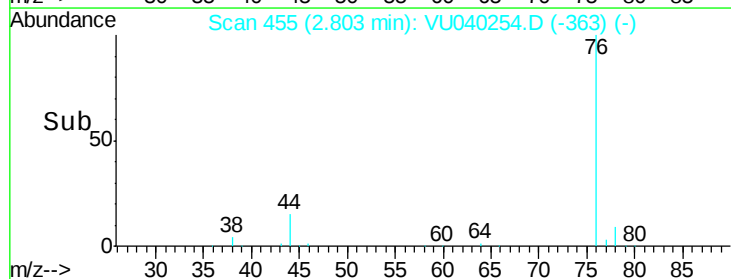
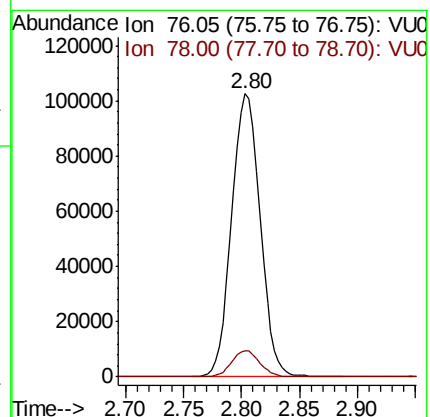
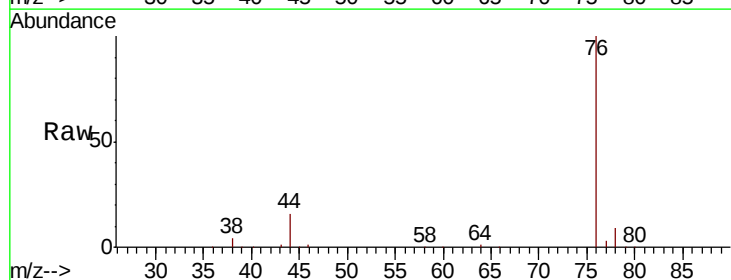
Acq: 23 Sep 2020 10:19

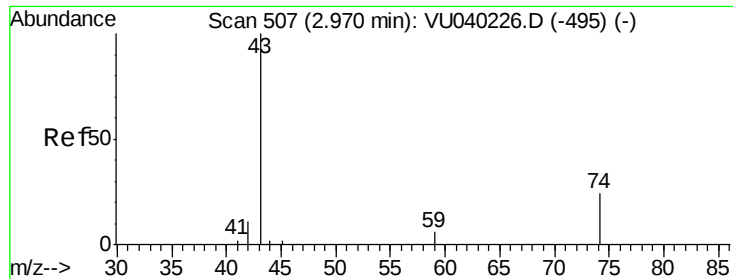
Tgt Ion: 76 Resp: 174391

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

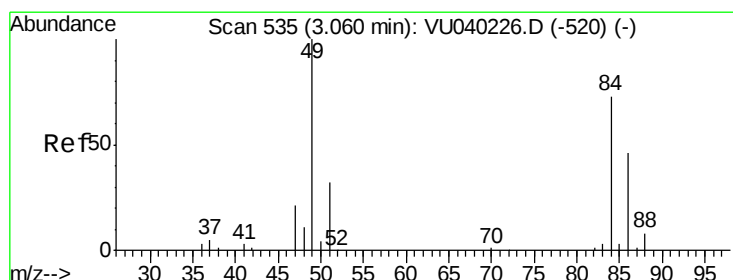
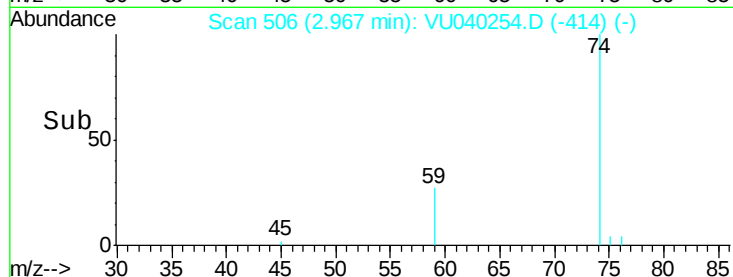
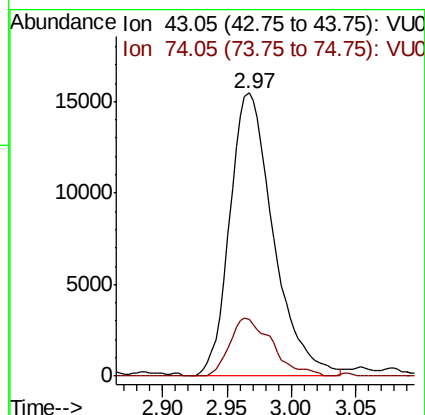
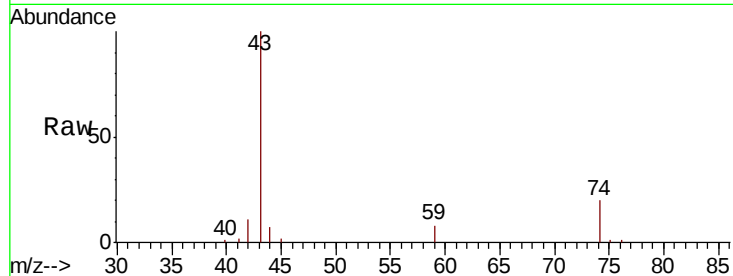




#15
Methvl Acetate
Concen: 4.301 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

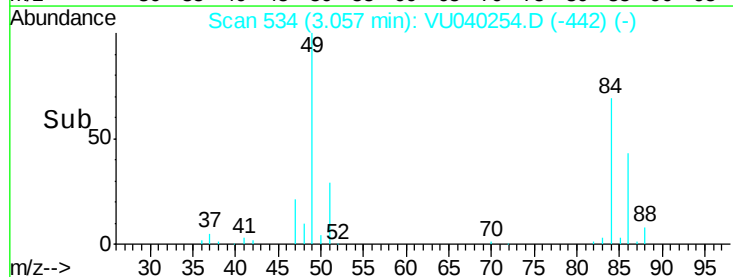
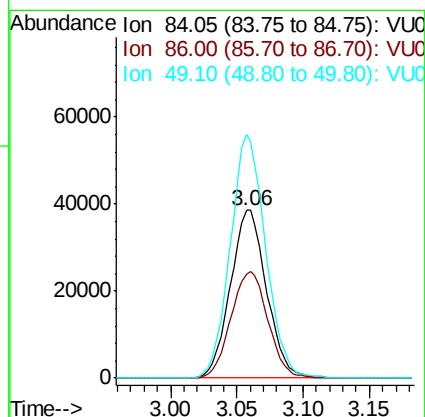
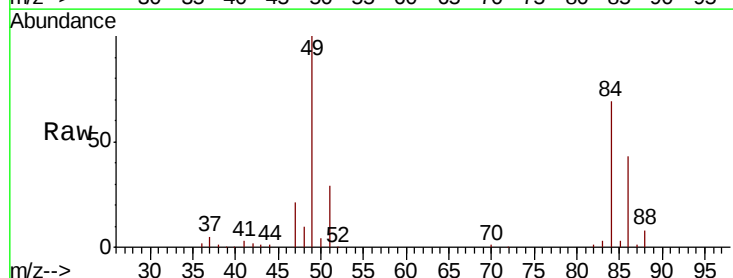
Instrument :
MSVOA_U
ClientSampleId :

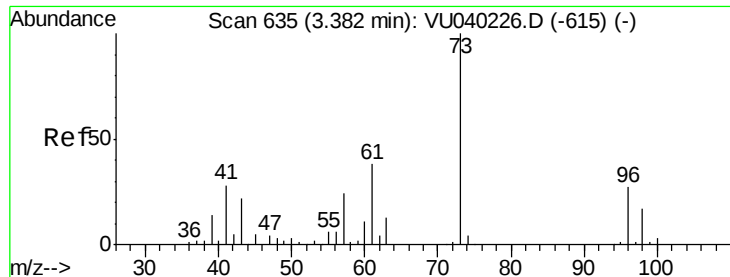
Tot Ion: 43 Resp: 36378
Ion Ratio Lower Upper
43 100
74 20.1 17.4 26.0



#16
Methylene chloride
Concen: 4.327 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion: 84 Resp: 73092
Ion Ratio Lower Upper
84 100
86 61.9 45.2 84.0
49 145.0 104.0 193.2

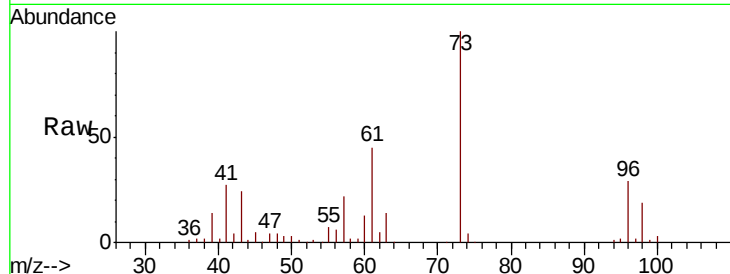




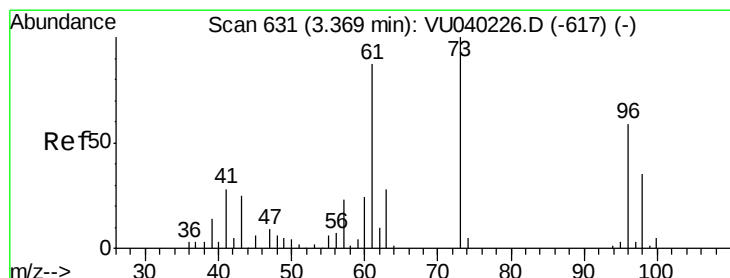
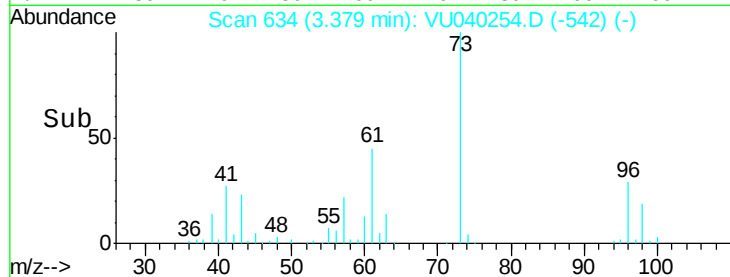
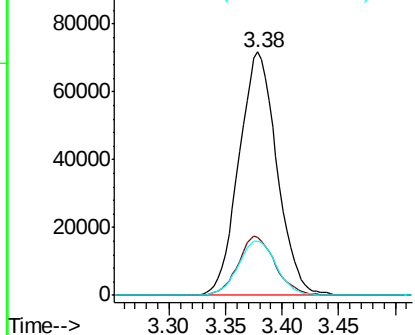
#17
Methvl tert-butvl Ether
Concen: 4.317 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 167821
Ion Ratio Lower Upper
73 100
43 23.6 19.1 28.7
57 22.5 18.3 27.5

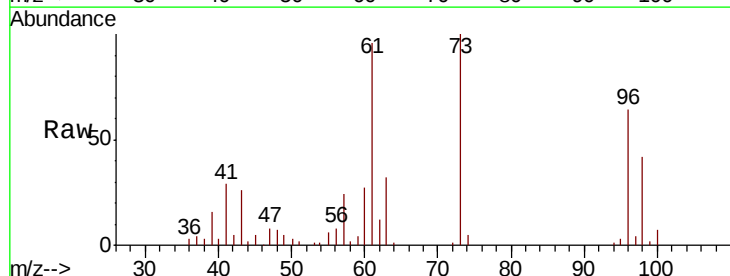


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

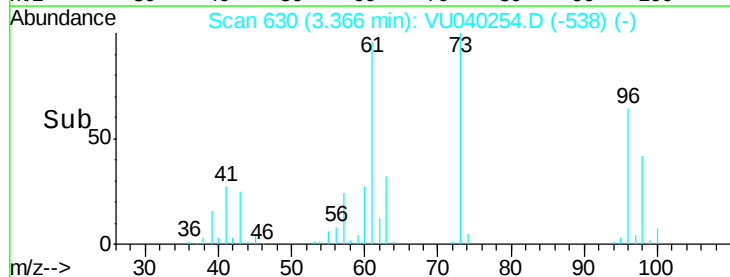
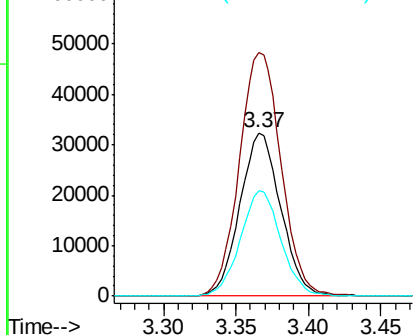


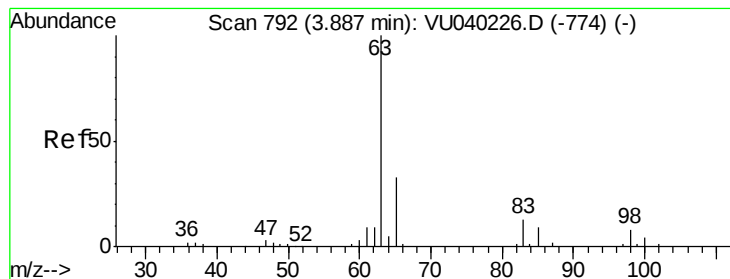
#18
trans-1,2-Dichloroethene
Concen: 4.569 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion: 96 Resp: 63395
Ion Ratio Lower Upper
96 100
61 149.4 110.5 205.3
98 64.7 43.2 80.2



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: 4.697 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :

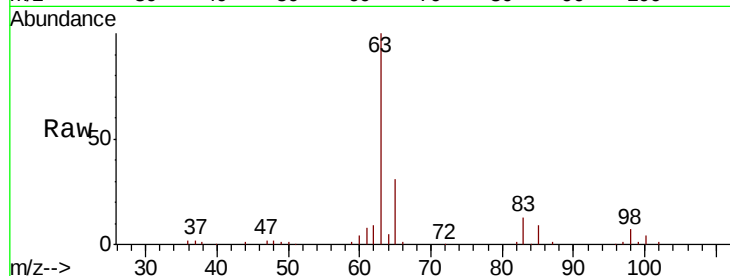
Tot Ion: 63 Resp: 134157

Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.2	41.2
83	13.5	9.4	17.6

63 100

65 30.6 22.2 41.2

83 13.5 9.4 17.6

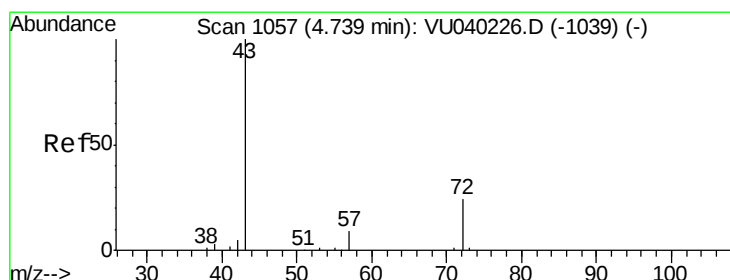
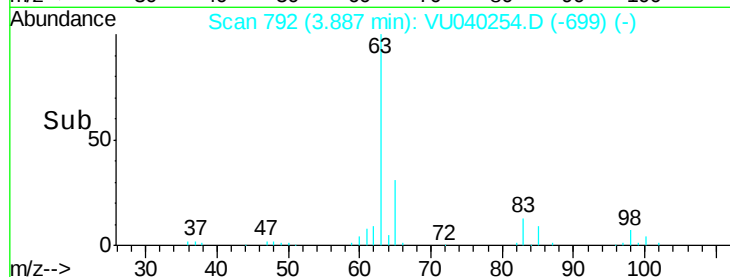


Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU040226.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU040226.D (-774) (-)

Time-->



#21

2-Butanone

Concen: 45.306 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU040254.D

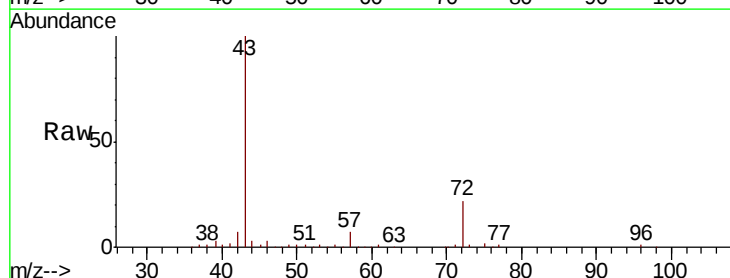
Acq: 23 Sep 2020 10:19

Tgt Ion: 43 Resp: 249249

Ion	Ratio	Lower	Upper
43	100		
72	23.5	11.7	35.0

43 100

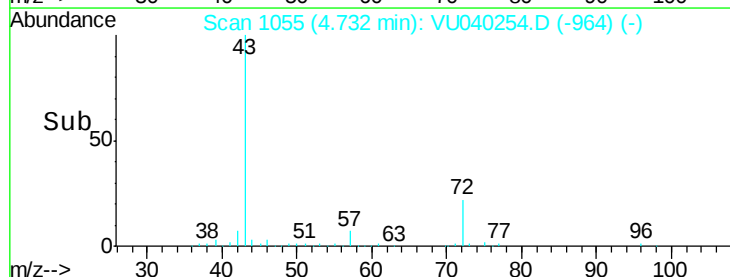
72 23.5 11.7 35.0

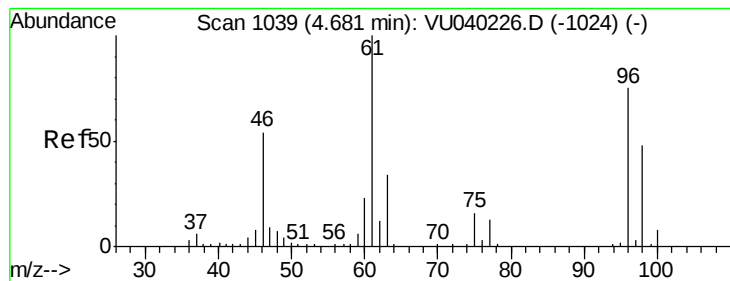


Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-1039) (-)

Ion 72.10 (71.80 to 72.80): VU040226.D (-1039) (-)

Time-->





#22

cis-1,2-Dichloroethene

Concen: 4.851 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

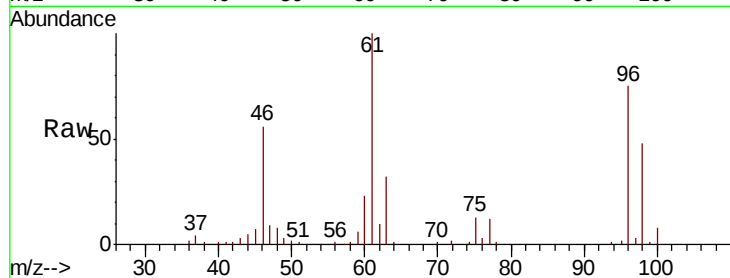
Tot Ion: 96 Resp: 72373

Ion Ratio Lower Upper

96 100

61 133.9 98.8 183.4

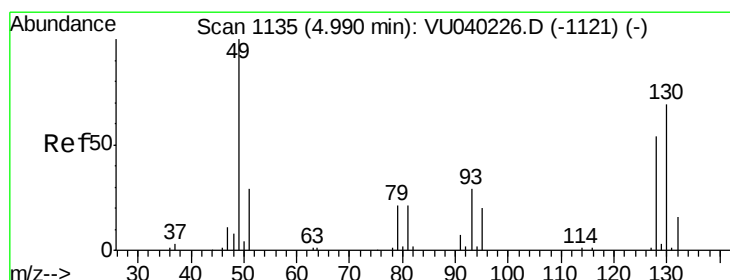
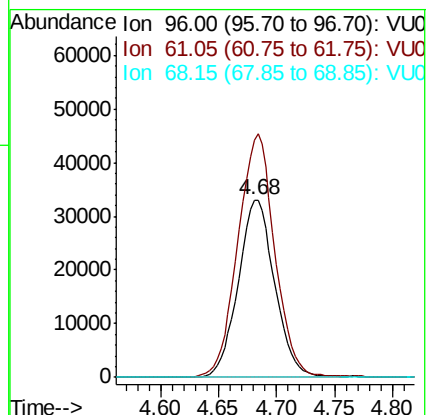
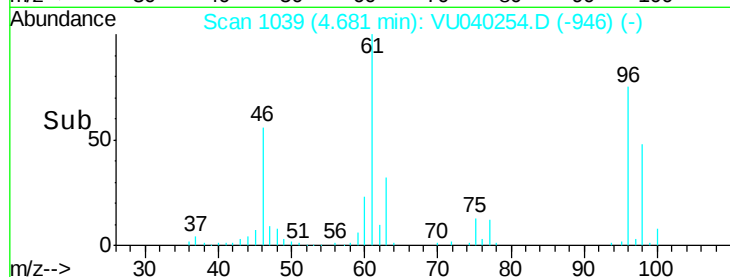
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040254.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040254.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040254.D (-946) (-)



#23

Bromochloromethane

Concen: 5.273 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Tgt Ion: 128 Resp: 34472

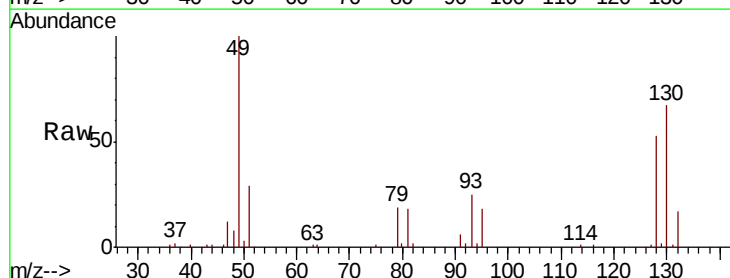
Ion Ratio Lower Upper

128 100

49 190.3 143.4 266.4

130 127.3 89.5 166.3

51 55.8 51.0 76.4

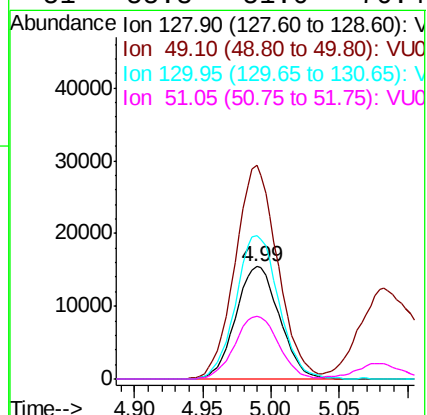
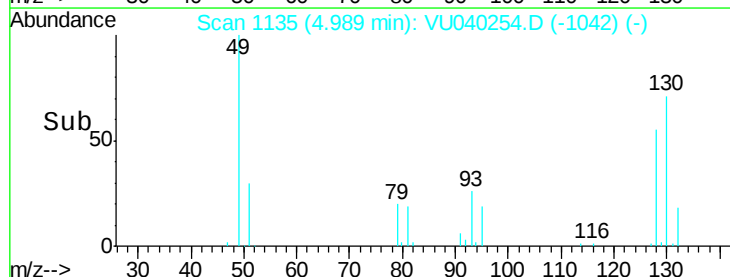


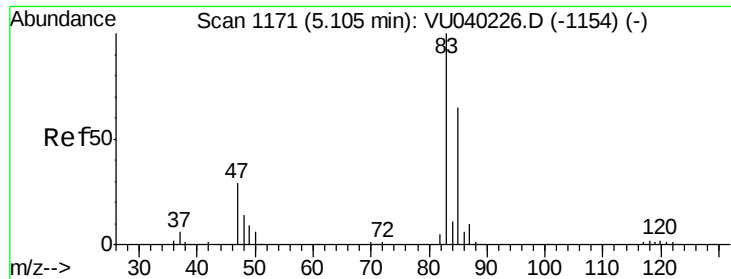
Abundance Ion 127.90 (127.60 to 128.60): VU040254.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040254.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040254.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040254.D (-1042) (-)

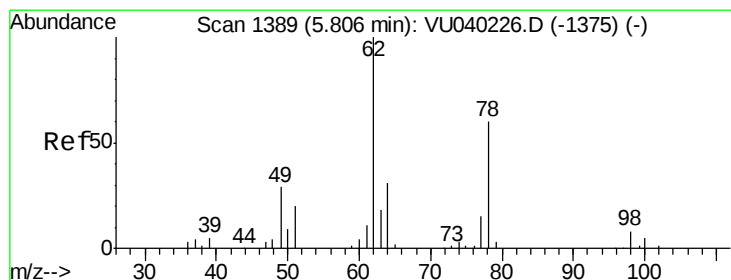
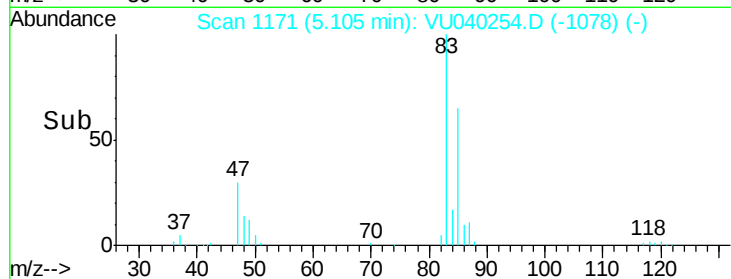
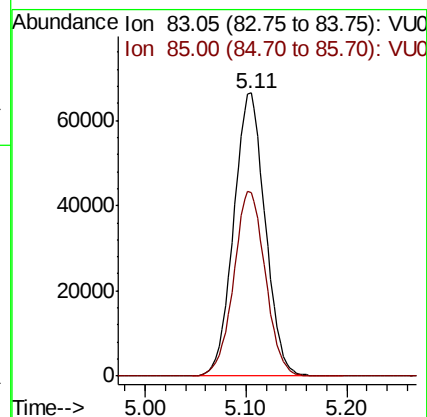
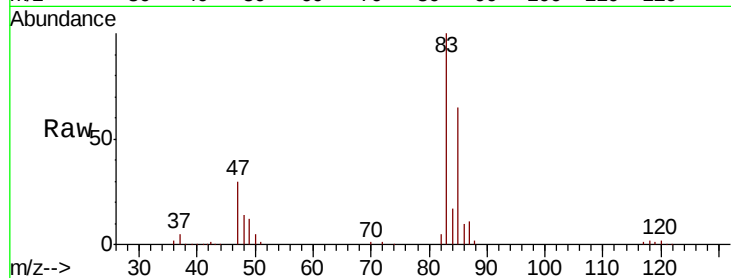




#25
Chloroform
Concen: 4.932 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

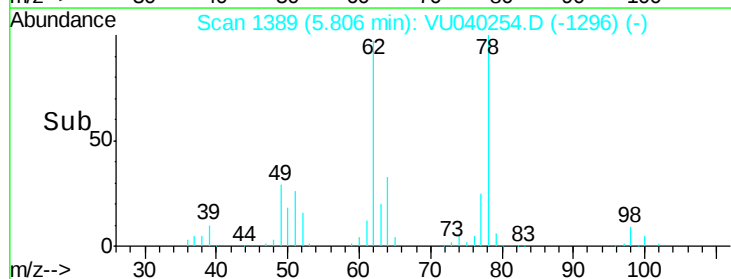
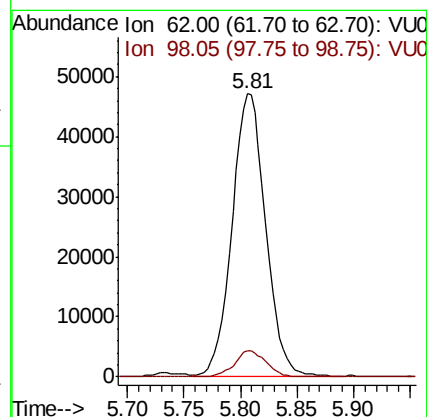
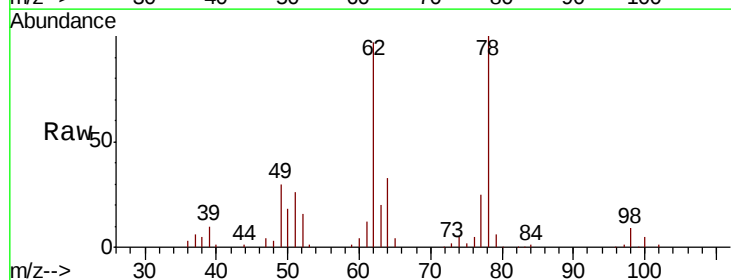
Instrument :
MSVOA_U
ClientSampleId :

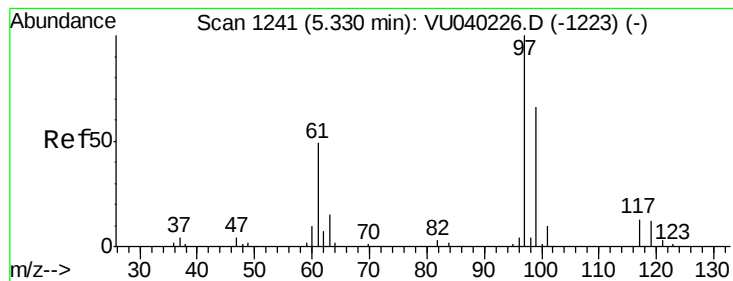
Tot Ion: 83 Resp: 144267
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.516 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion: 62 Resp: 96780
Ion Ratio Lower Upper
62 100
98 9.4 6.1 9.1#





#29

1,1,1-Trichloroethane

Concen: 4.586 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :

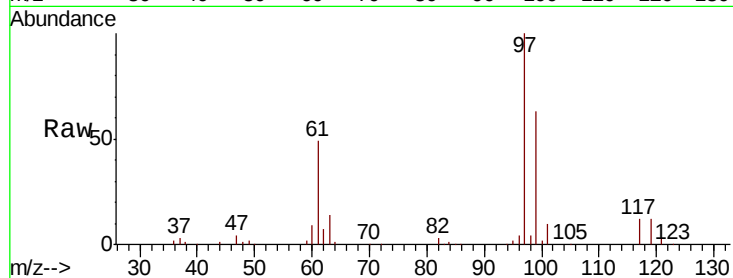
Tot Ion: 97 Resp: 121280

Ion Ratio Lower Upper

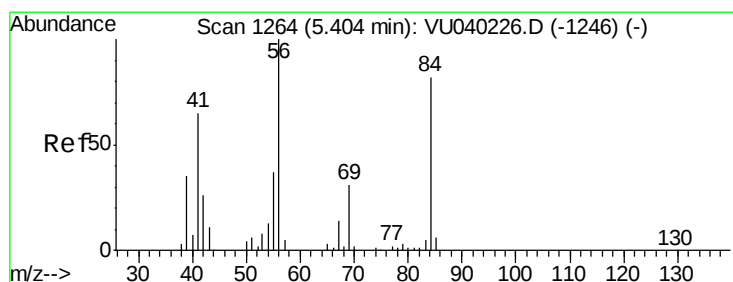
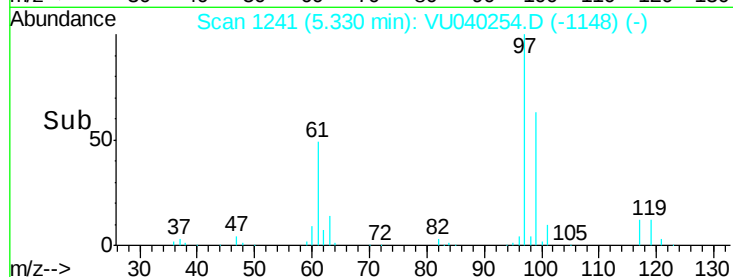
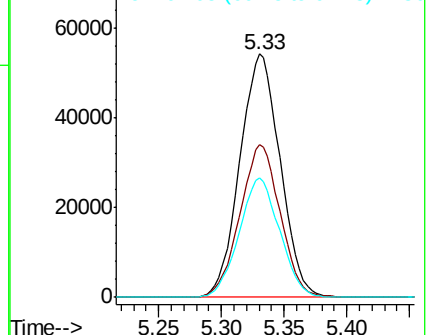
97 100

99 62.7 50.9 76.3

61 49.4 39.5 59.3



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



#30

Cyclohexane

Concen: 4.130 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

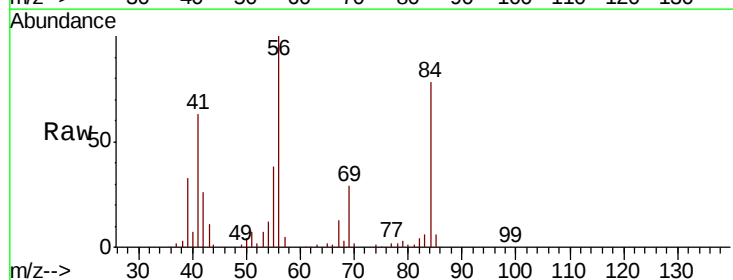
Tgt Ion: 56 Resp: 105935

Ion Ratio Lower Upper

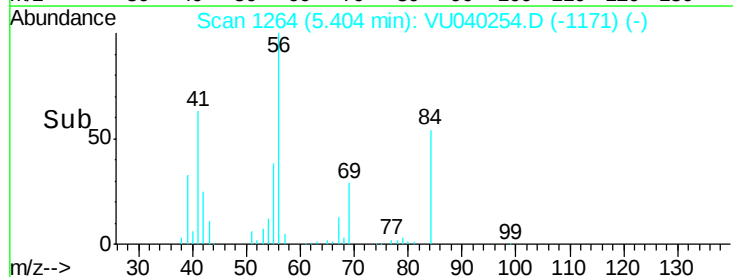
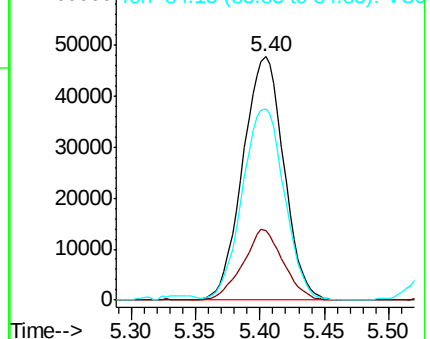
56 100

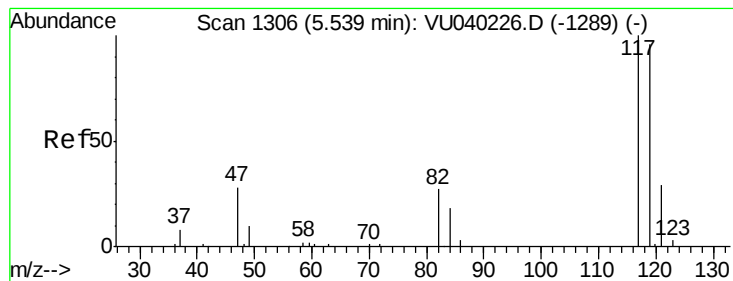
69 28.5 24.1 36.1

84 80.8 65.0 97.4



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





#31

Carbon tetrachloride

Concen: 4.495 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

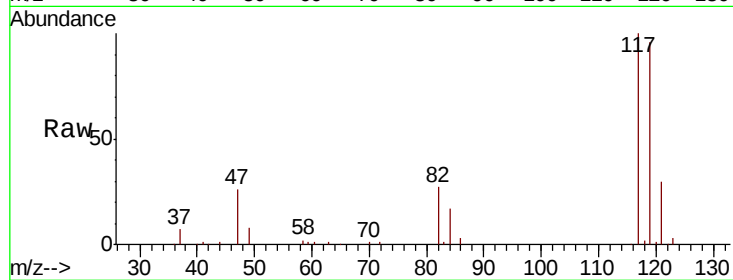
ClientSampled :

Tot Ion:117 Resp: 101748

Ion Ratio Lower Upper

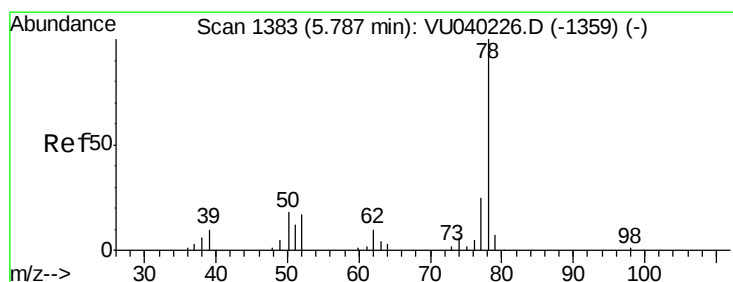
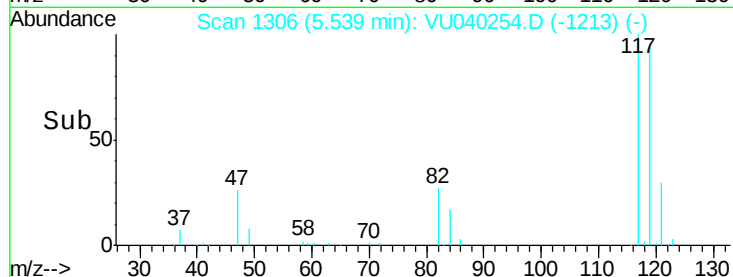
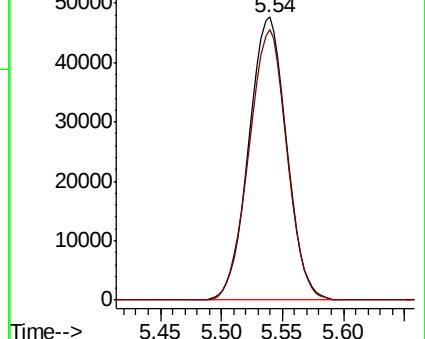
117 100

119 96.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.679 ug/L

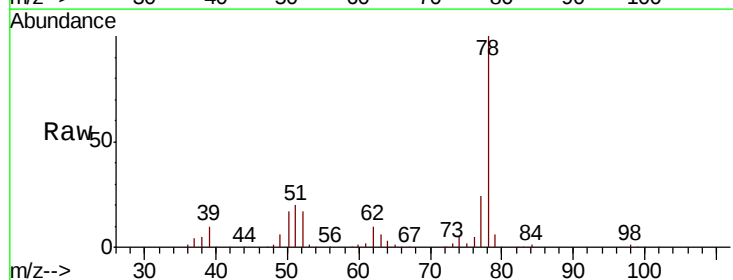
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

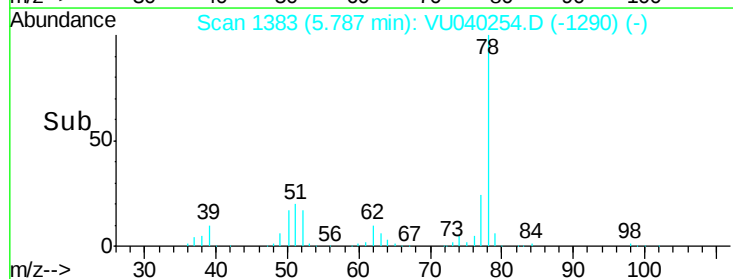
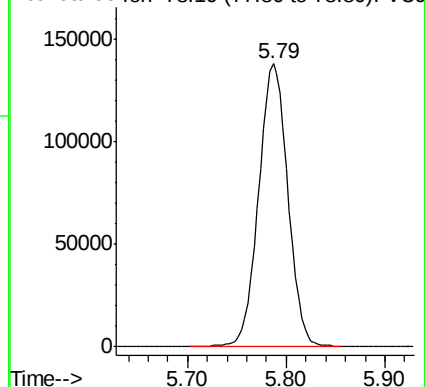
Lab File: VU040254.D

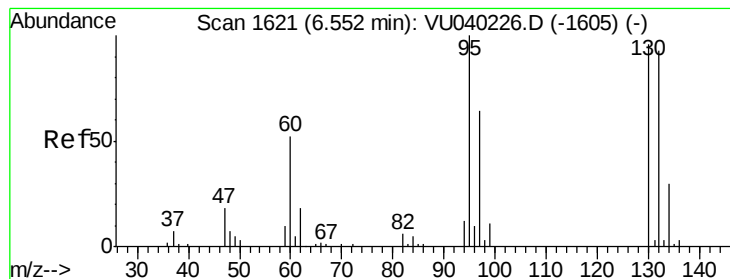
Acq: 23 Sep 2020 10:19

Tgt Ion: 78 Resp: 281983



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.430 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 71615

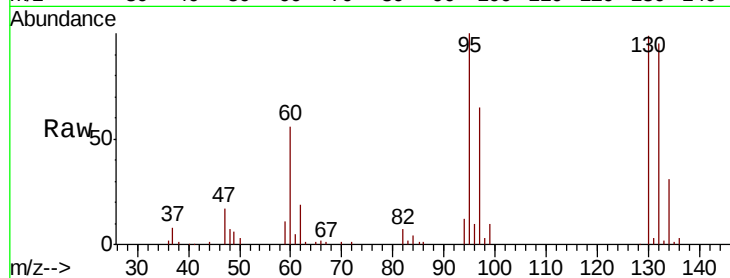
Ion Ratio Lower Upper

95 100

97 65.4 43.3 80.5

132 94.9 59.4 110.4

130 99.3 64.8 120.4

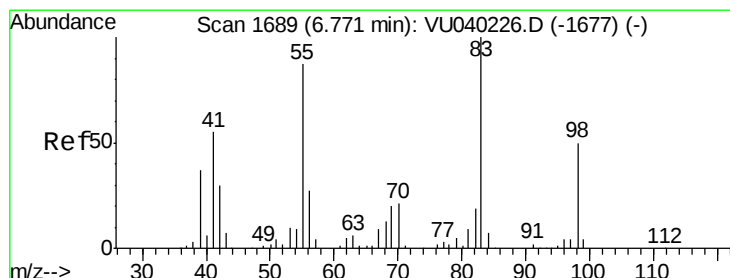
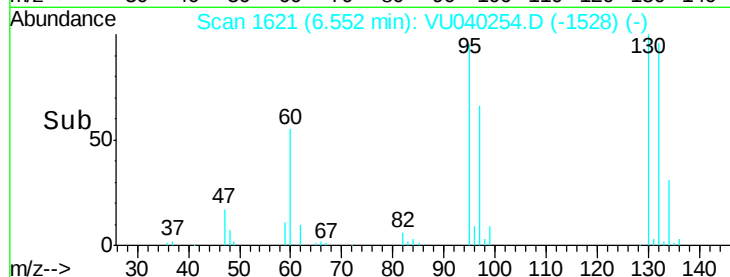
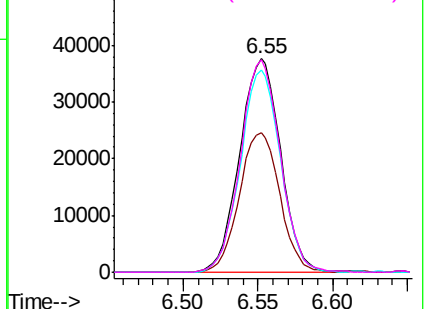


Abundance Ion 95.00 (94.70 to 95.70): VU040226.D (-1605) (-)

Ion 96.95 (96.65 to 97.65): VU040226.D (-1605) (-)

Ion 131.95 (131.65 to 132.65): VU040226.D (-1605) (-)

Ion 129.95 (129.65 to 130.65): VU040226.D (-1605) (-)



#35

Methylcyclohexane

Concen: 4.197 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

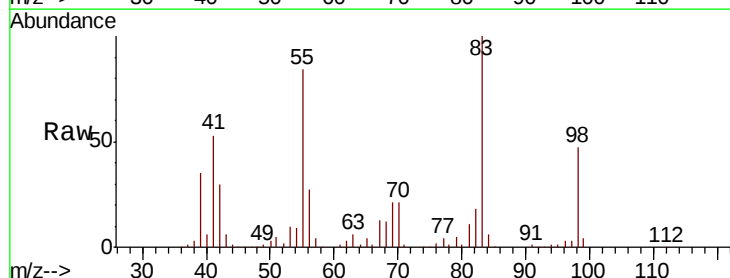
Tgt Ion: 83 Resp: 103884

Ion Ratio Lower Upper

83 100

55 84.7 70.5 105.7

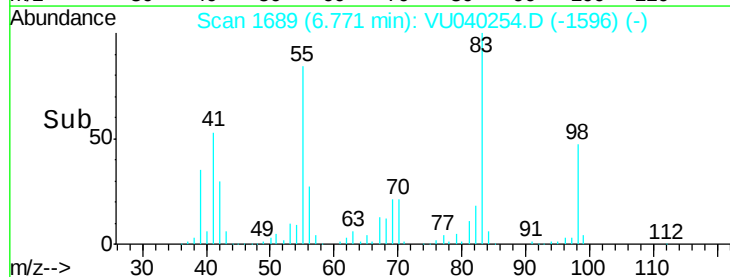
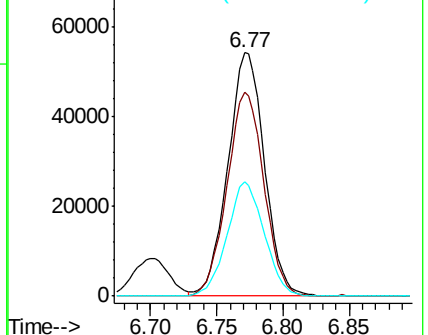
98 47.5 37.8 56.6

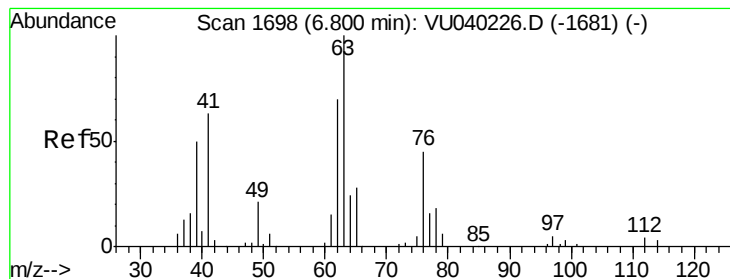


Abundance Ion 83.15 (82.85 to 83.85): VU040226.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU040226.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU040226.D (-1677) (-)





#37

1,2-Dichloropropane

Concen: 4.650 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

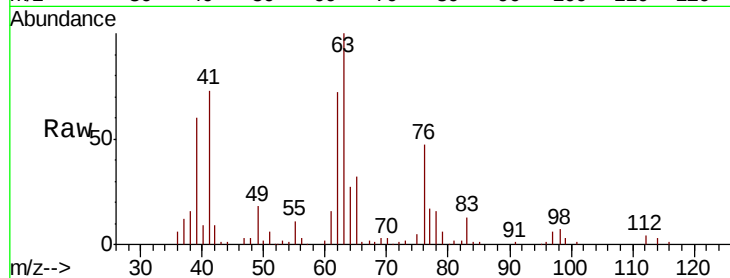
ClientSampled :

Tot Ion: 63 Resp: 75877

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040226.D (-1681) (-)

6.80

40000

30000

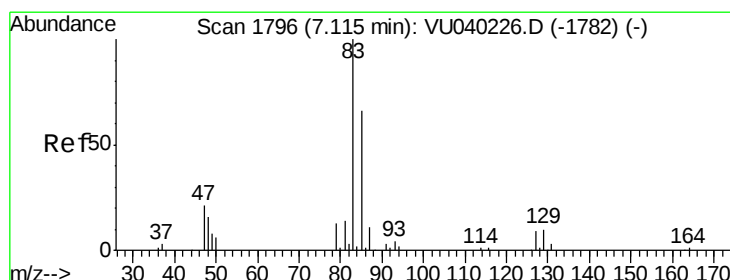
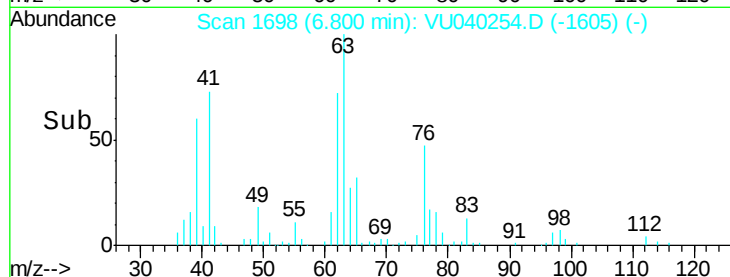
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.486 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

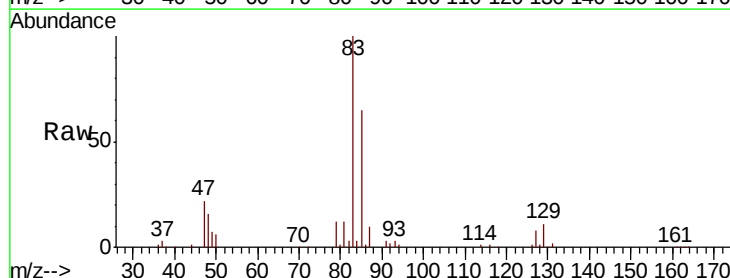
Tgt Ion: 83 Resp: 99921

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9

127 8.5 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040226.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040226.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040226.D (-1782) (-)

7.11

60000

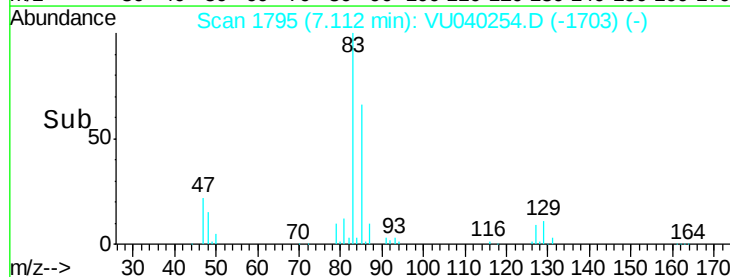
40000

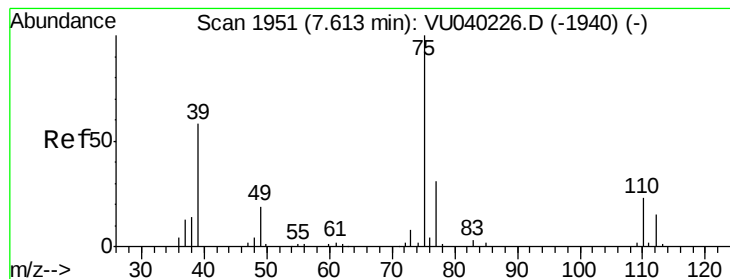
20000

0

7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.344 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

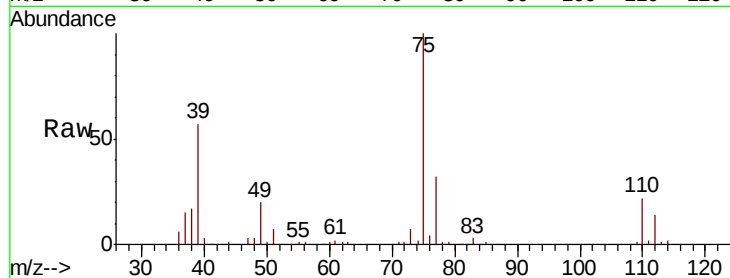
ClientSampleId :

Tot Ion: 75 Resp: 104542

Ion Ratio Lower Upper

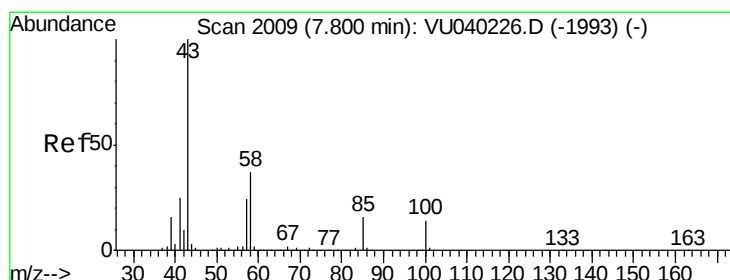
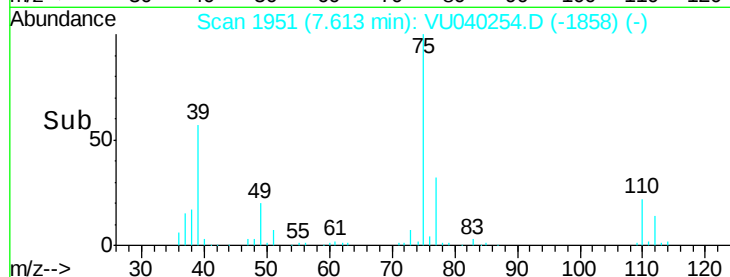
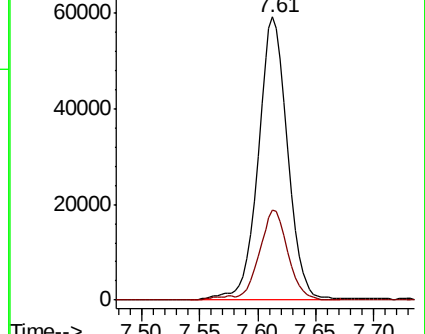
75 100

77 31.9 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-1940) (-)

Ion 77.05 (76.75 to 77.75): VU040226.D (-1940) (-)



#40

4-Methyl-2-pentanone

Concen: 43.479 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

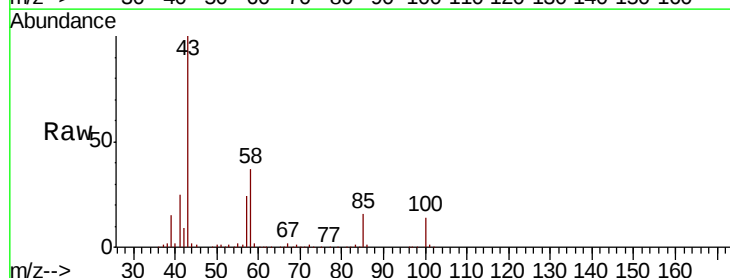
Tgt Ion: 43 Resp: 582095

Ion Ratio Lower Upper

43 100

58 36.2 28.7 43.1

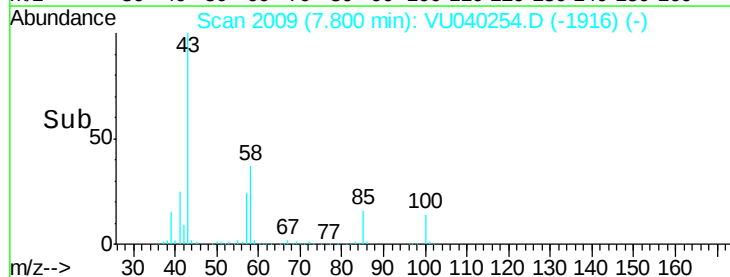
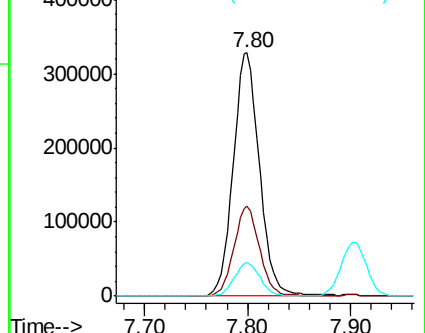
100 13.5 10.2 15.2

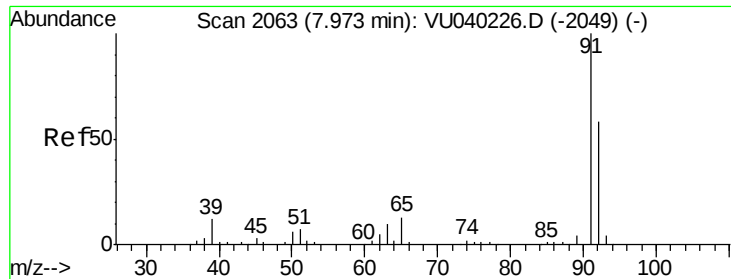


Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-1993) (-)

Ion 58.05 (57.75 to 58.75): VU040226.D (-1993) (-)

Ion 100.15 (99.85 to 100.85): VU040226.D (-1993) (-)





#42

Toluene

Concen: 4.805 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

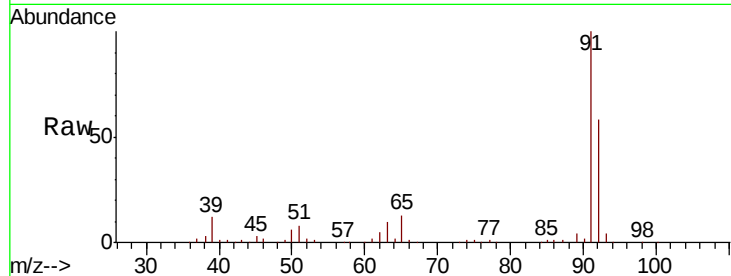
ClientSampleId :

Tot Ion: 91 Resp: 298187

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040226.D (-2049) (-)

7.97

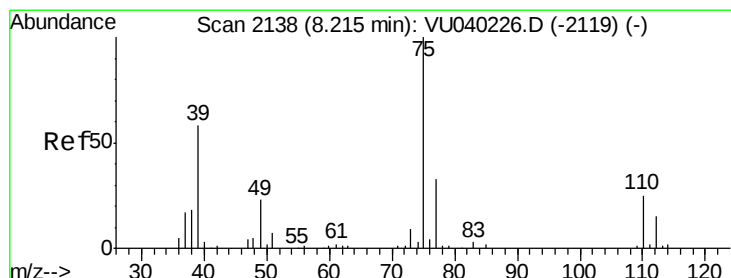
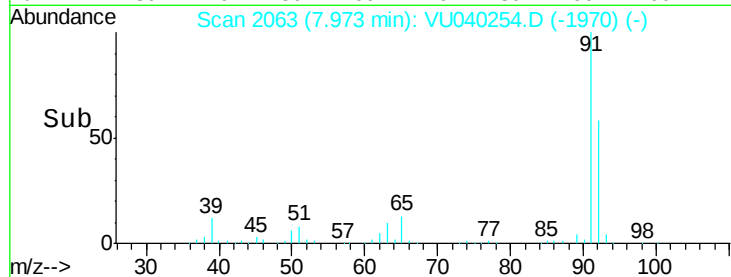
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.324 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040254.D

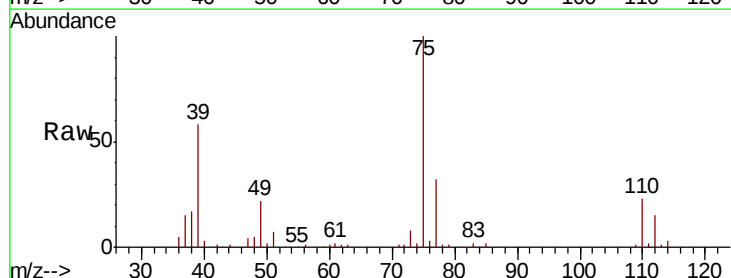
Acq: 23 Sep 2020 10:19

Tgt Ion: 75 Resp: 96413

Ion Ratio Lower Upper

75 100

77 31.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU040226.D (-2119) (-)

8.21

60000

50000

40000

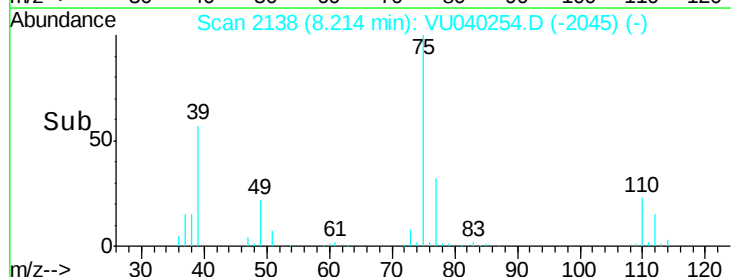
30000

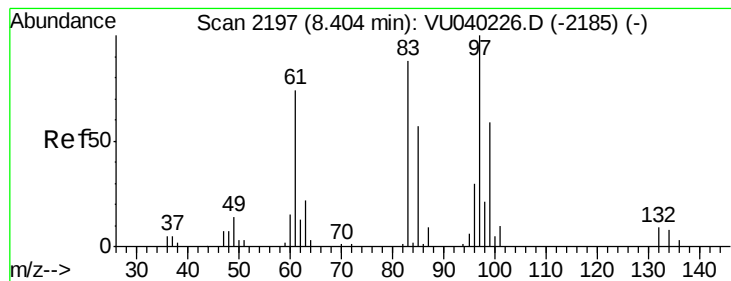
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.687 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 55712

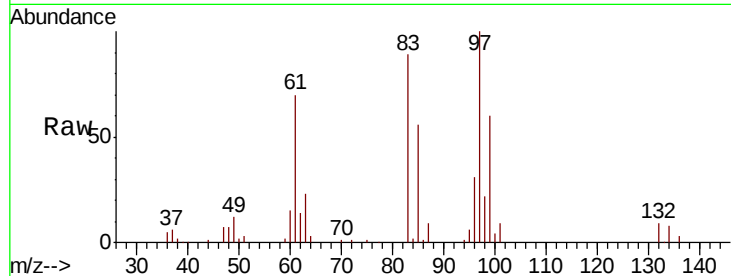
Ion Ratio Lower Upper

97 100

99 59.7 43.0 79.8

83 88.6 61.7 114.7

85 56.2 39.3 73.1



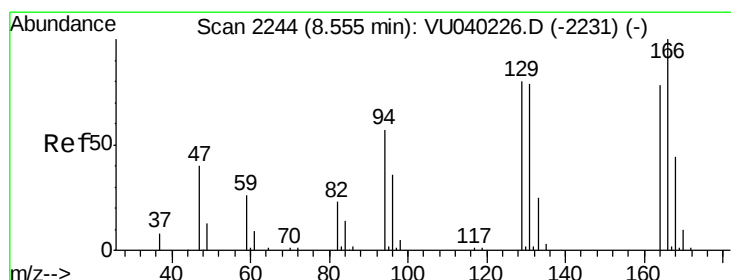
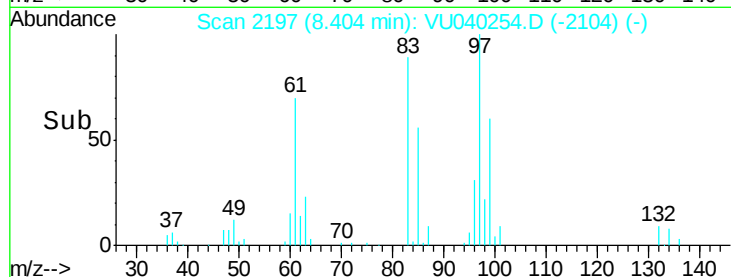
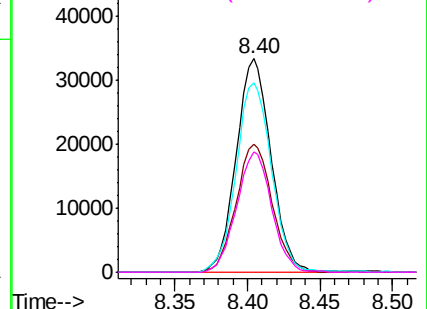
Abundance

Ion 96.95 (96.65 to 97.65): VU040226.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU040226.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU040226.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU040226.D (-2185) (-)



#47

Tetrachloroethene

Concen: 5.057 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Tgt Ion: 164 Resp: 53698

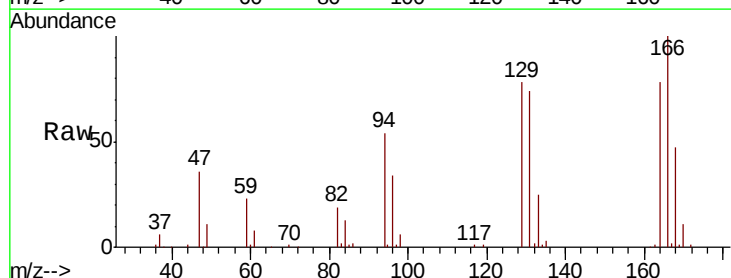
Ion Ratio Lower Upper

164 100

129 99.9 71.5 132.7

131 95.2 65.9 122.5

166 128.0 87.3 162.1



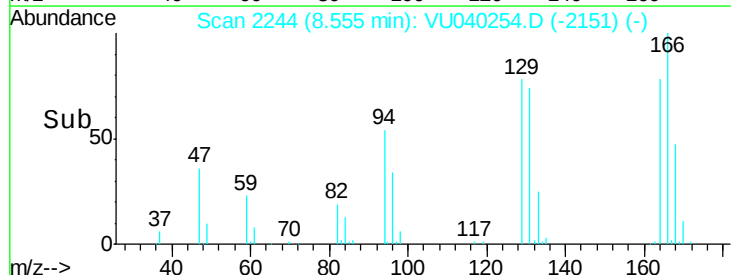
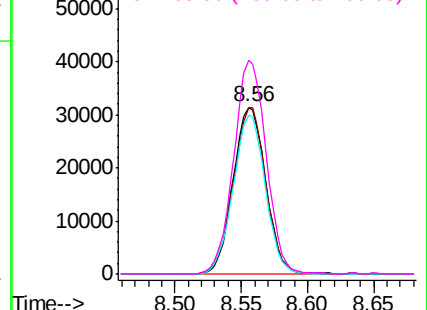
Abundance

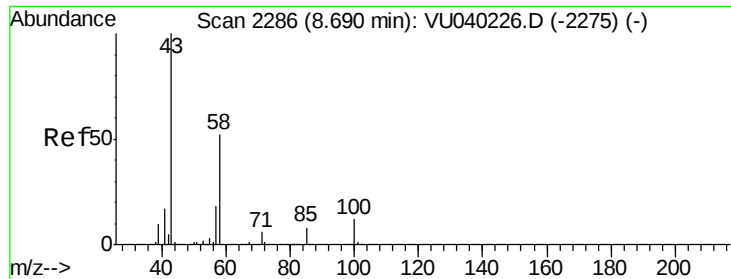
Ion 163.90 (163.60 to 164.60): VU040226.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040226.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040226.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040226.D (-2231) (-)

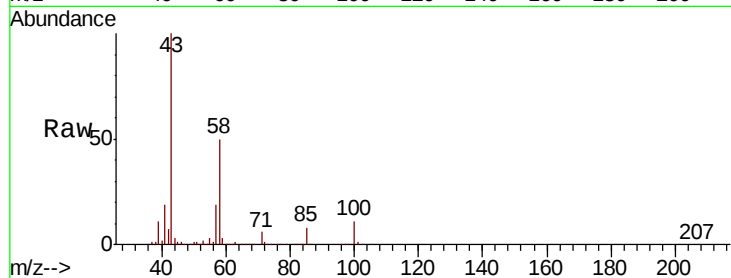




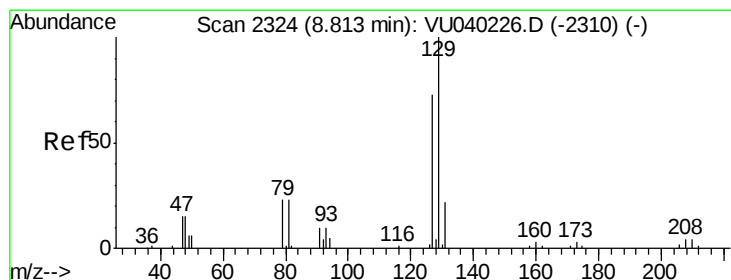
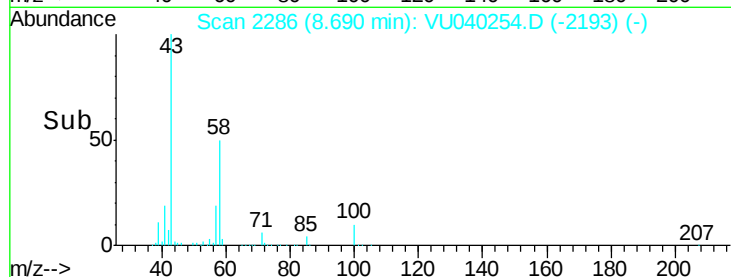
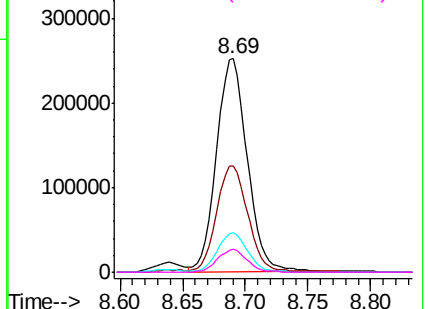
#48
2-Hexanone
Concen: 43.907 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 428778
Ion Ratio Lower Upper
43 100
58 50.4 39.6 59.4
57 17.8 14.3 21.5
100 10.6 8.0 12.0

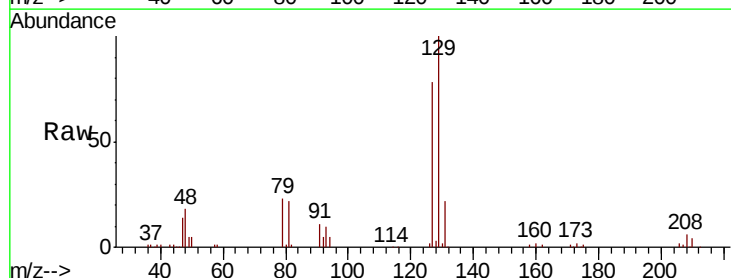


Abundance Ion 43.05 (42.75 to 43.75): VU040226.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040226.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040226.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040226.D (-2275) (-)

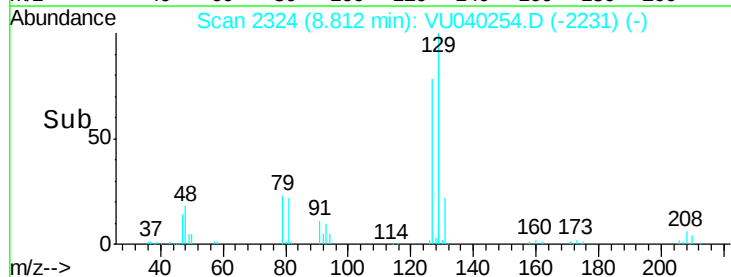
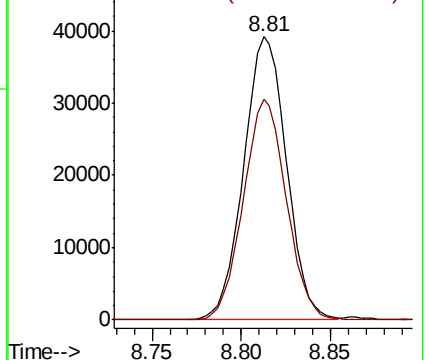


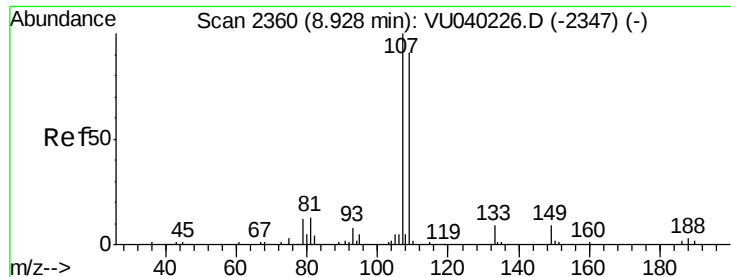
#49
Dibromochloromethane
Concen: 4.599 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion: 129 Resp: 65613
Ion Ratio Lower Upper
129 100
127 77.9 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040226.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU040226.D (-2310) (-)

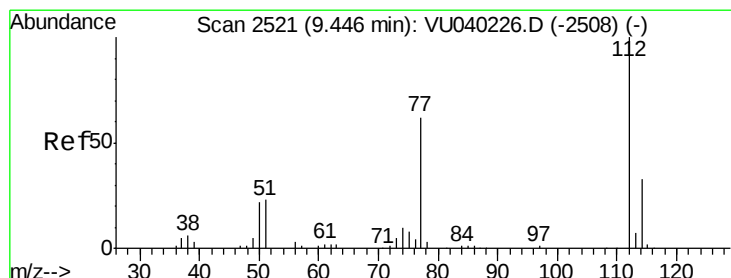
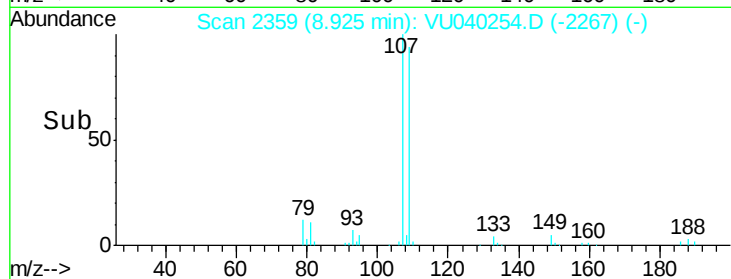
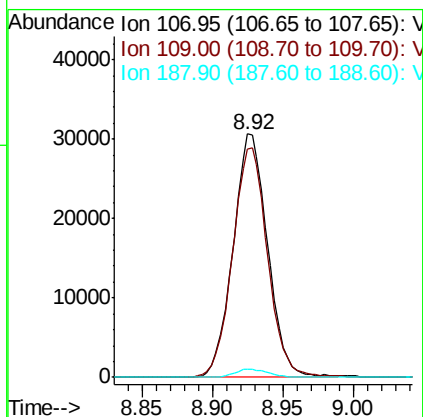
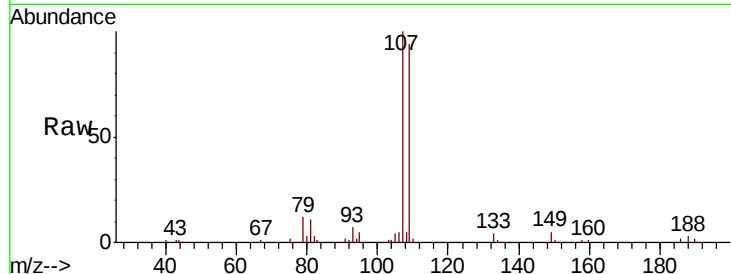




#50
 1,2-Dibromoethane
 Concen: 4.583 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

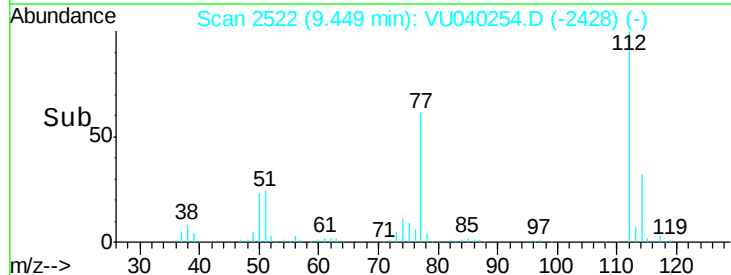
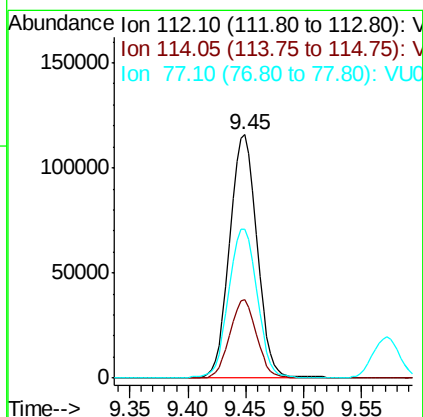
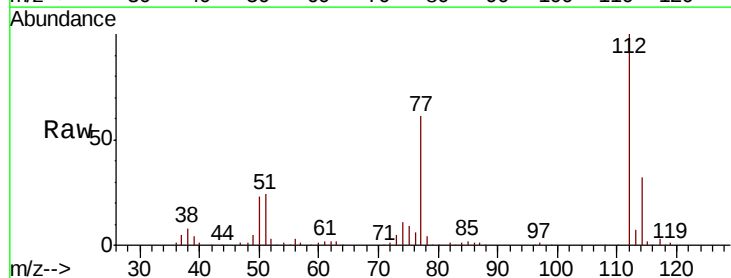
Instrument :
 MSVOA_U
 ClientSampleId :

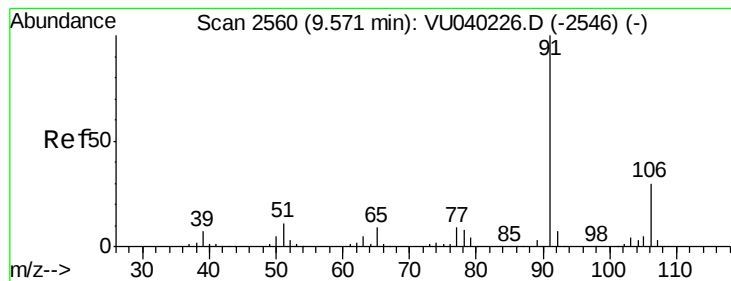
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	62.4	115.8
188	3.4	2.3	3.5



#51
 Chlorobenzene
 Concen: 4.912 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	61.2	53.2	79.8





#52

Ethylbenzene

Concen: 4.561 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

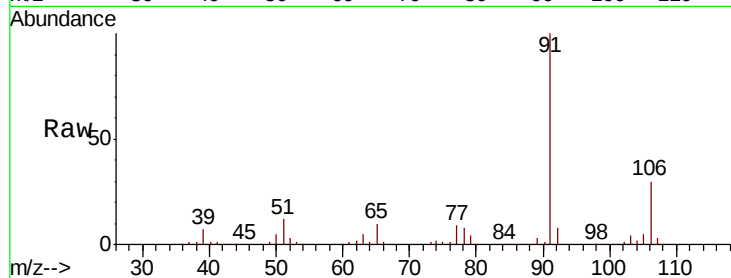
ClientSampled :

Tot Ion: 91 Resp: 321580

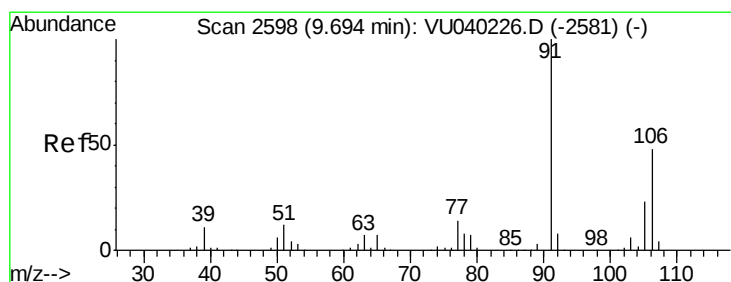
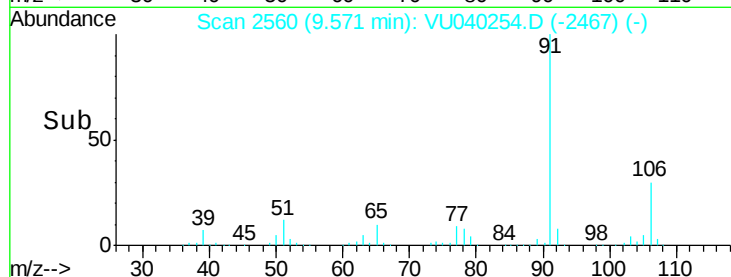
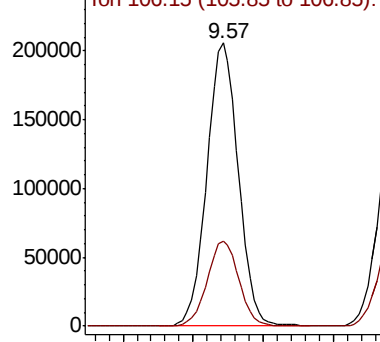
Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040226.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.878 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040254.D

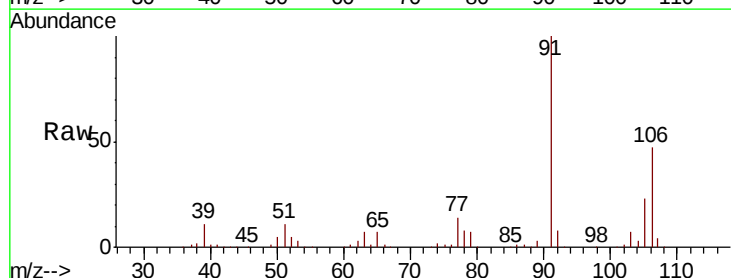
Acq: 23 Sep 2020 10:19

Tgt Ion: 106 Resp: 122461

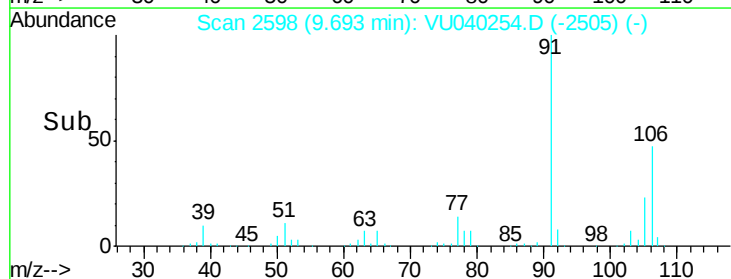
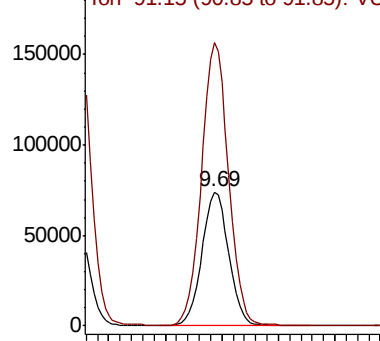
Ion Ratio Lower Upper

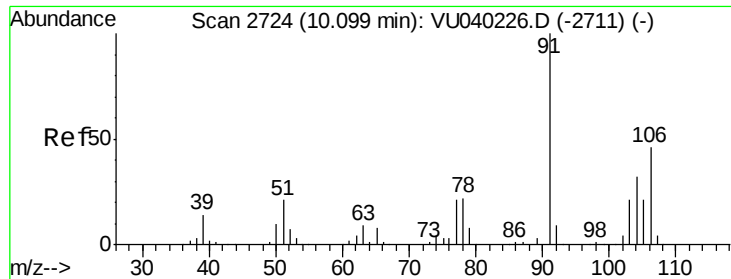
106 100

91 211.8 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040226.D (-2581) (-)

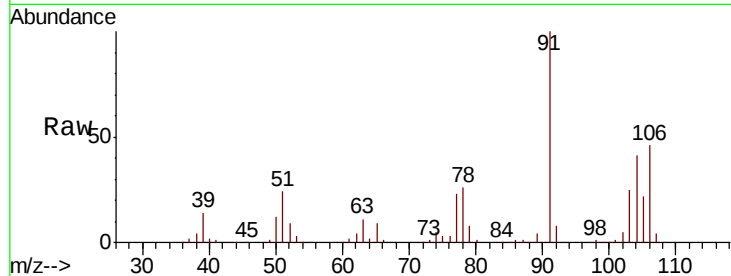




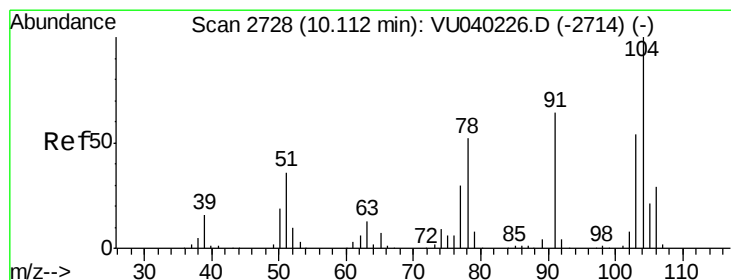
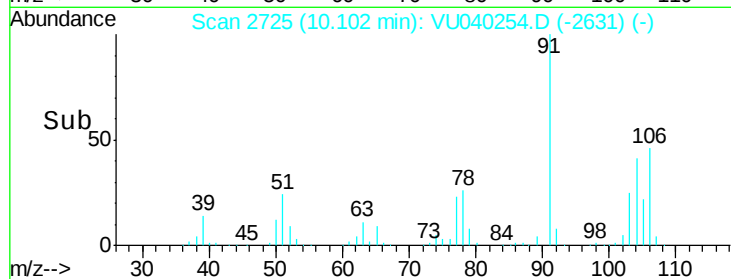
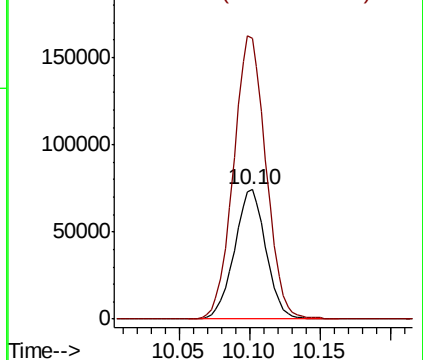
#54
o-Xylene
Concen: 4.862 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 116319
Ion Ratio Lower Upper
106 100
91 217.4 160.8 298.6

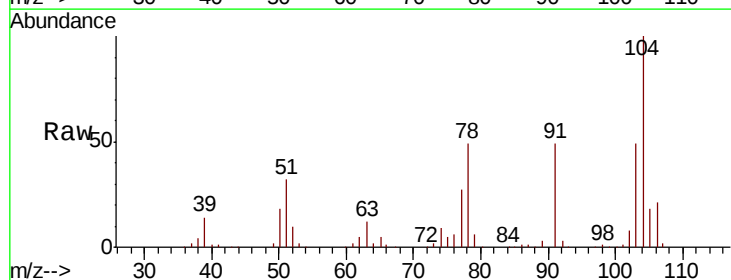


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

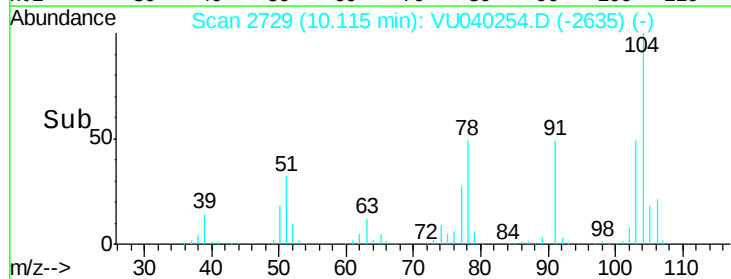
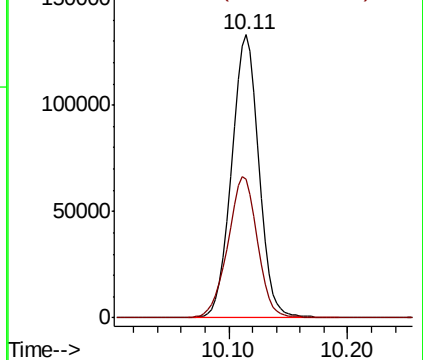


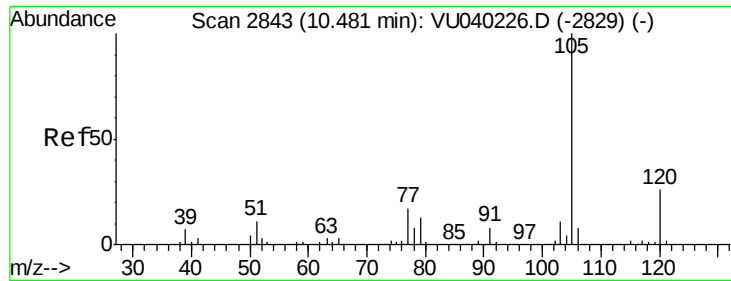
#55
Styrene
Concen: 5.081 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion:104 Resp: 211380
Ion Ratio Lower Upper
104 100
78 48.9 36.8 68.3



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





#56

Isopropylbenzene

Concen: 4.872 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

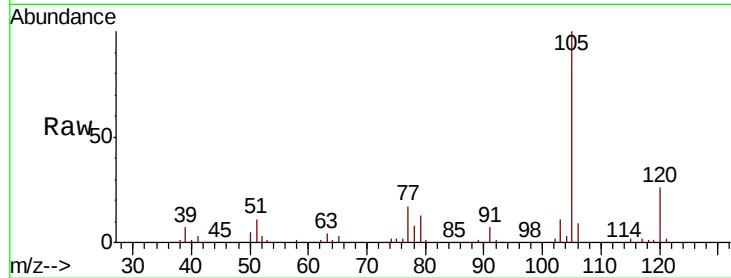
Tot Ion:105 Resp: 317866

Ion Ratio Lower Upper

105 100

120 26.0 20.1 30.1

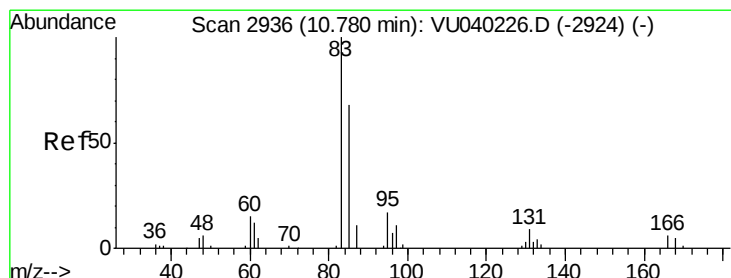
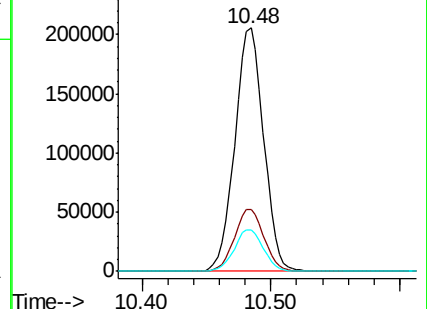
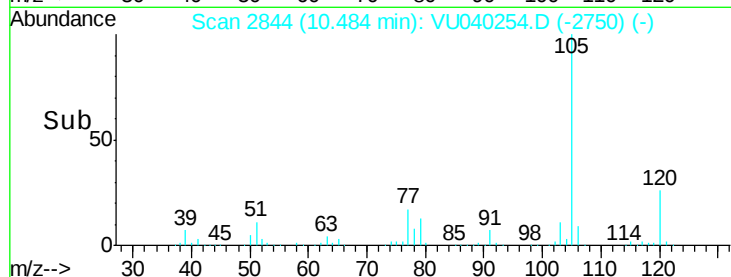
77 17.4 14.4 21.6



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: 4.678 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

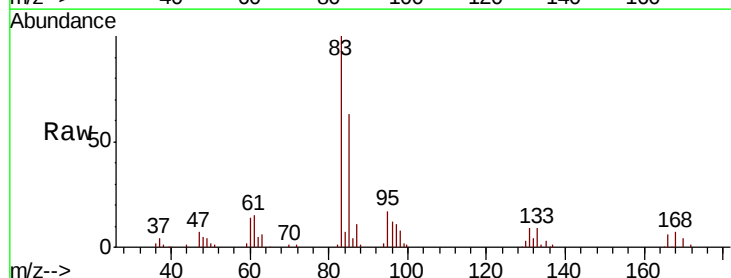
Tgt Ion: 83 Resp: 71302

Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.3

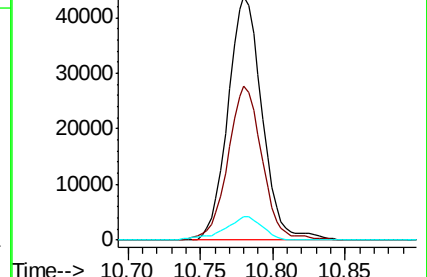
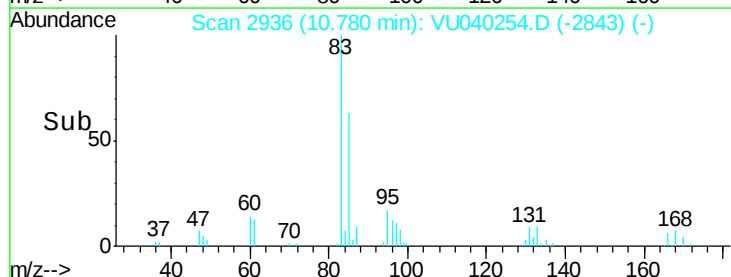
131 9.5 7.4 11.0

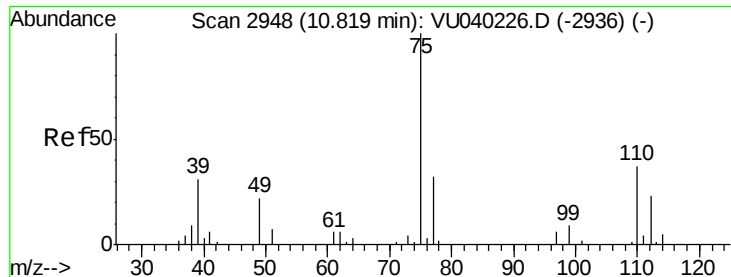


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

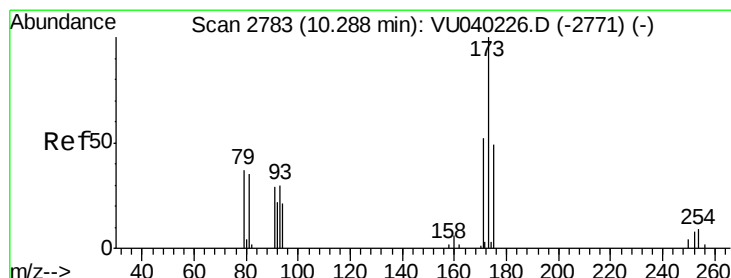
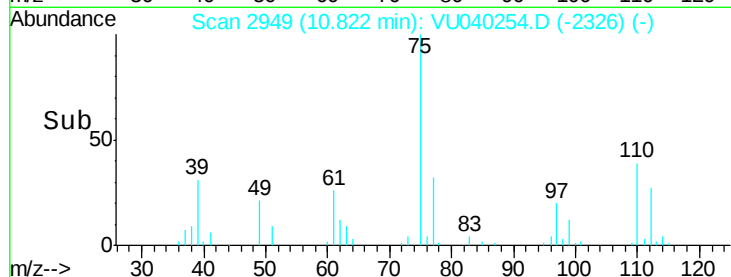
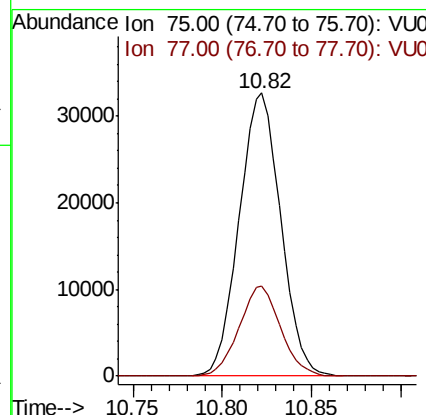
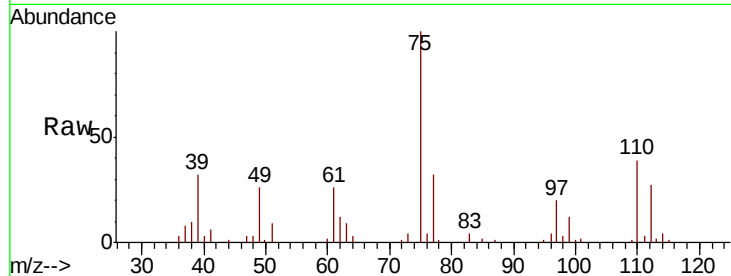




#59
 1,2,3-Trichloropropane
 Concen: 4.378 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

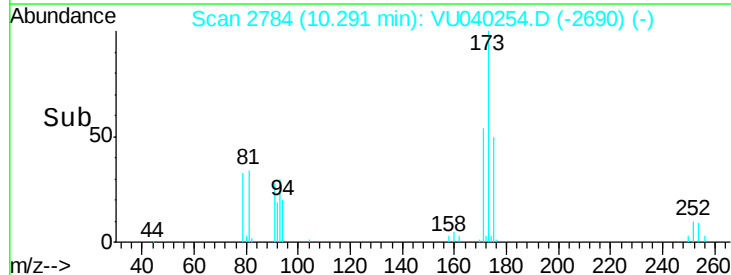
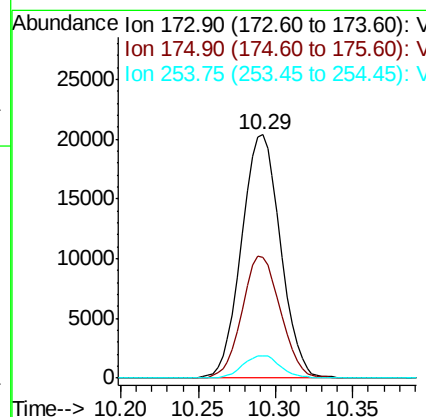
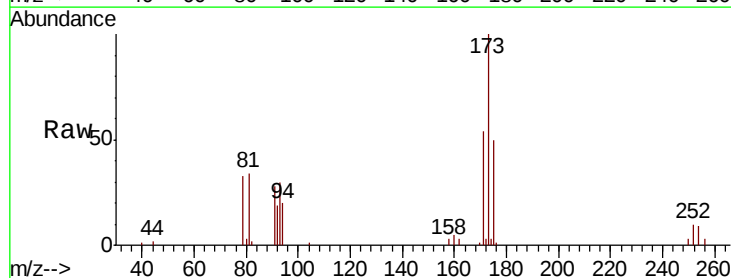
Instrument :
 MSVOA_U
 ClientSampleId :

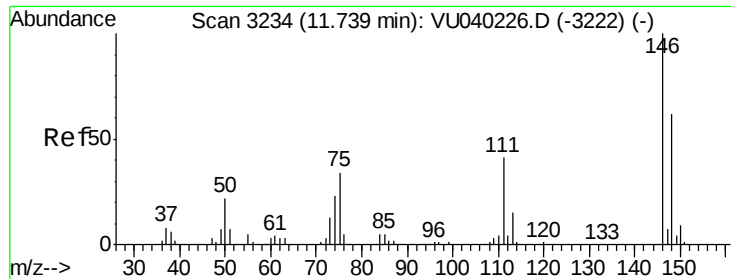
Tot Ion: 75 Resp: 52925
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.9 37.3



#61
 Bromoform
 Concen: 4.415 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

Tgt Ion: 173 Resp: 35694
 Ion Ratio Lower Upper
 173 100
 175 49.3 37.8 56.6
 254 8.8 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.804 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

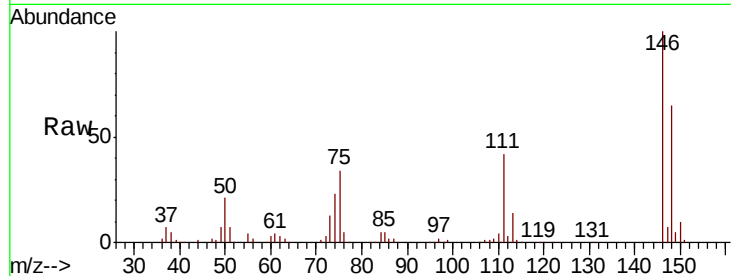
Tot Ion:146 Resp: 154788

Ion Ratio Lower Upper

146 100

111 41.9 31.6 58.8

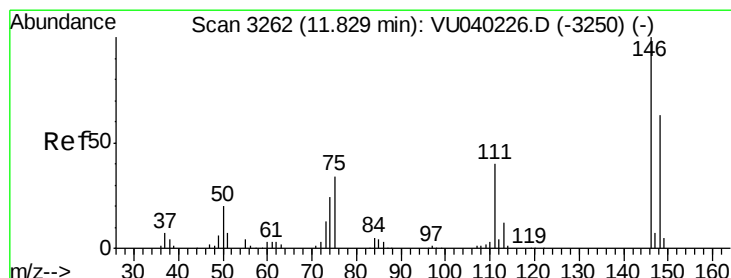
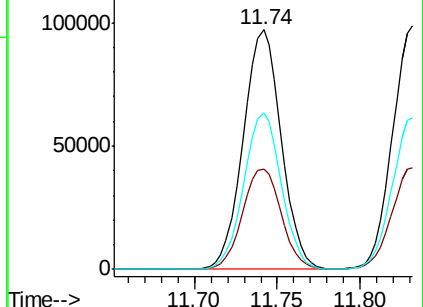
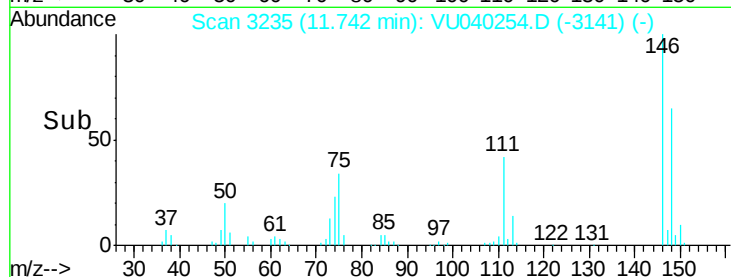
148 65.1 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 4.799 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

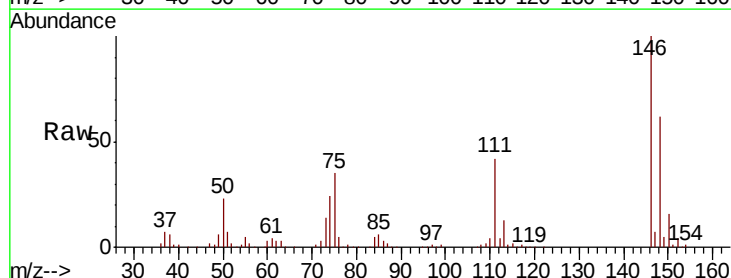
Tgt Ion:146 Resp: 156474

Ion Ratio Lower Upper

146 100

111 41.6 30.5 56.7

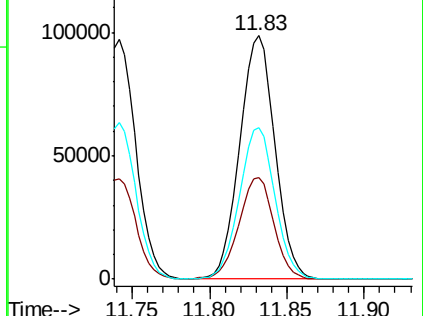
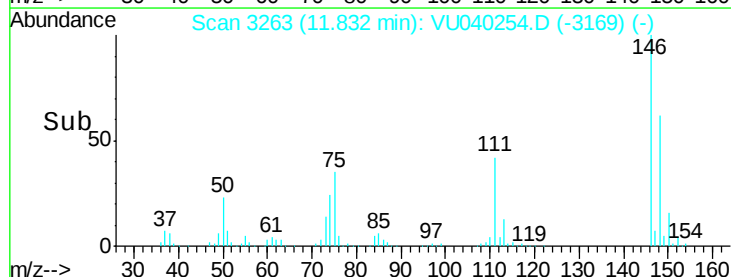
148 62.3 45.4 84.4

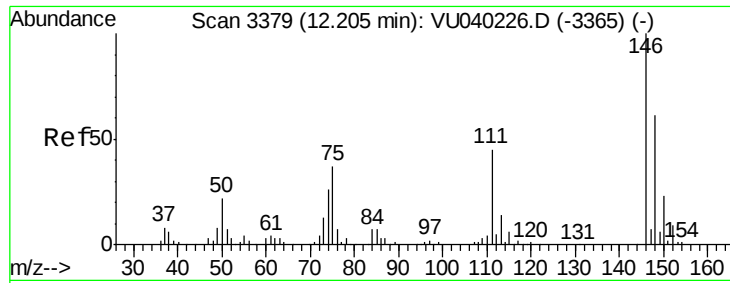


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.708 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

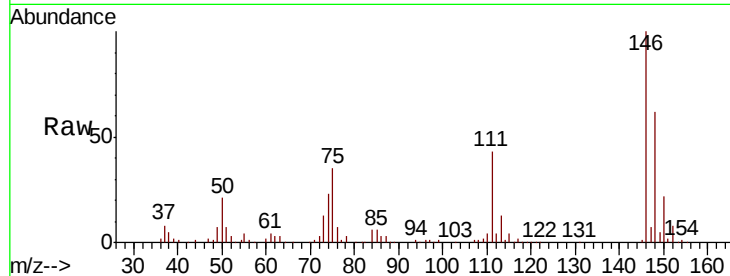
Tot Ion:146 Resp: 146782

Ion Ratio Lower Upper

146 100

111 43.4 36.5 54.7

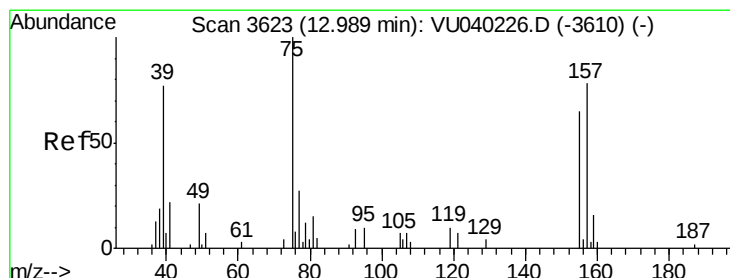
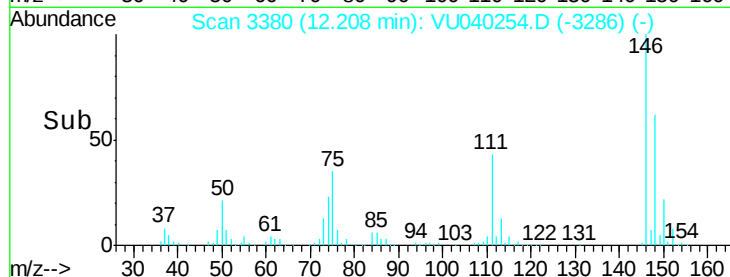
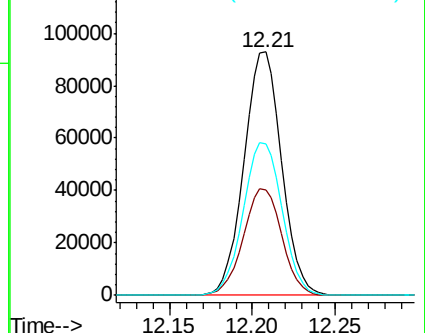
148 62.4 48.6 72.8



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: 3.490 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040254.D

Acq: 23 Sep 2020 10:19

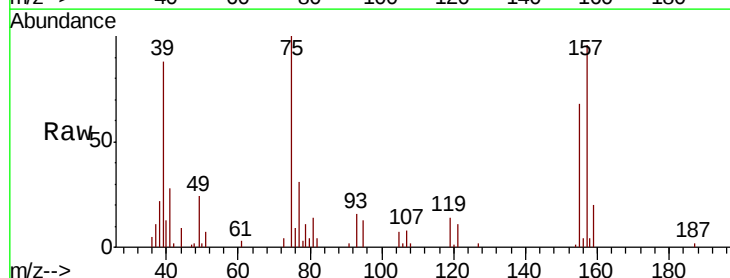
Tgt Ion: 75 Resp: 11638

Ion Ratio Lower Upper

75 100

155 68.3 54.6 82.0

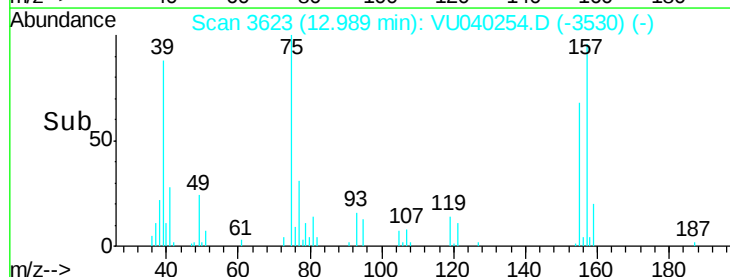
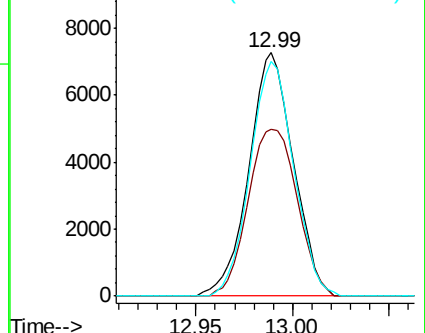
157 96.3 75.6 113.4

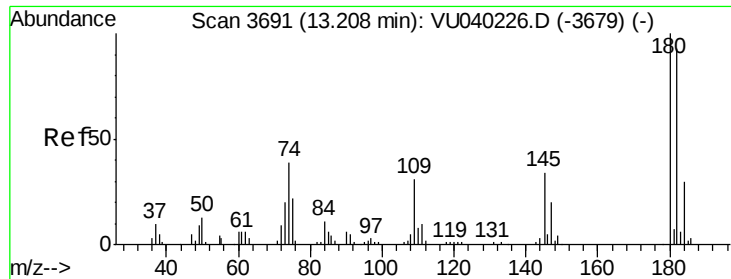


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

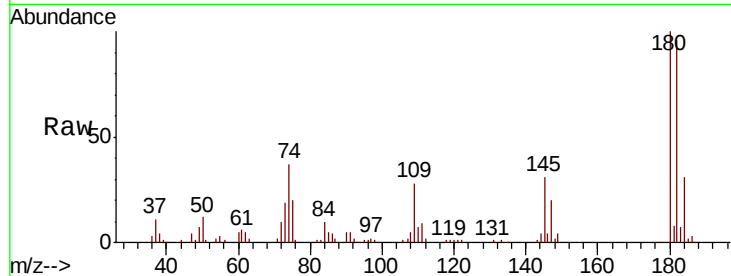




#67
 1,3,5-Trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.7	24.6	36.8
145	31.1	27.0	40.6



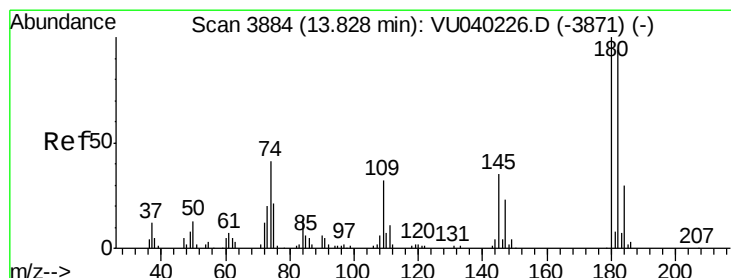
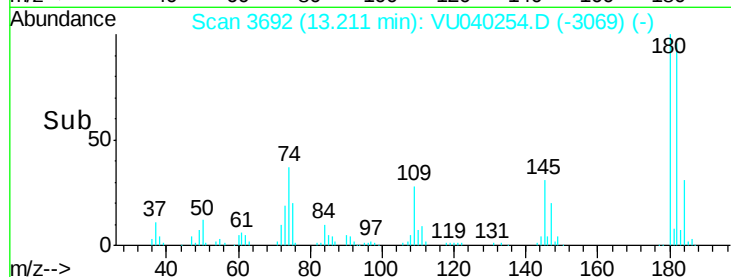
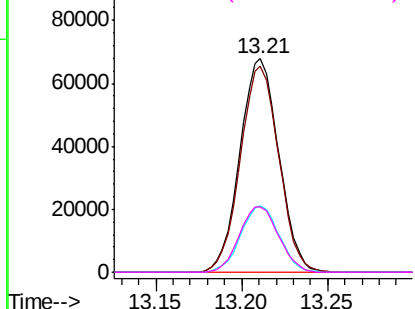
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

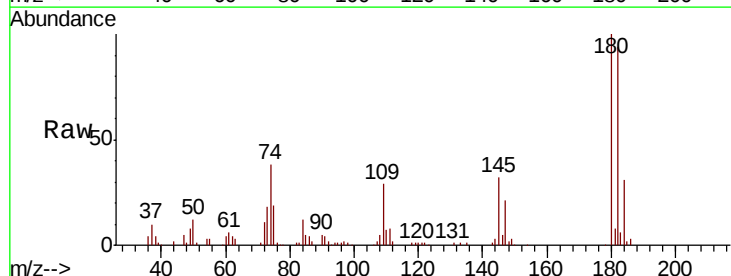
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.409 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040254.D
 Acq: 23 Sep 2020 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.0	114.0
145	31.7	28.4	42.6

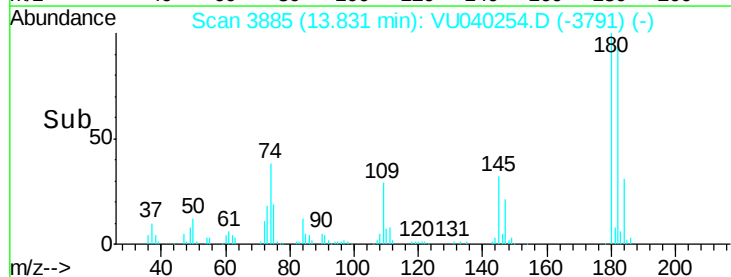
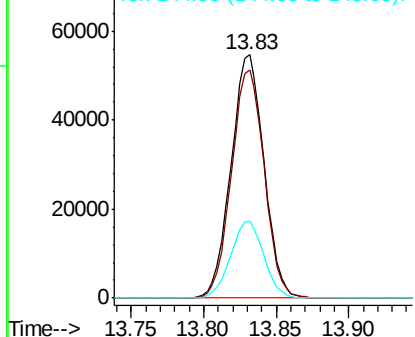


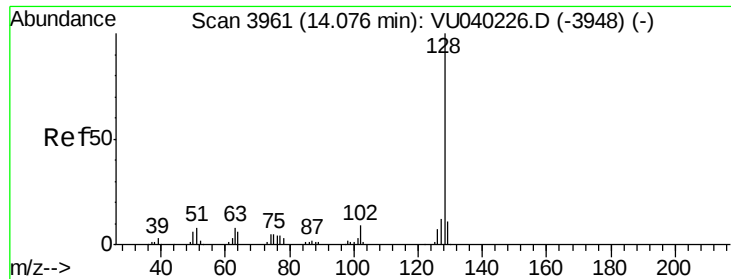
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

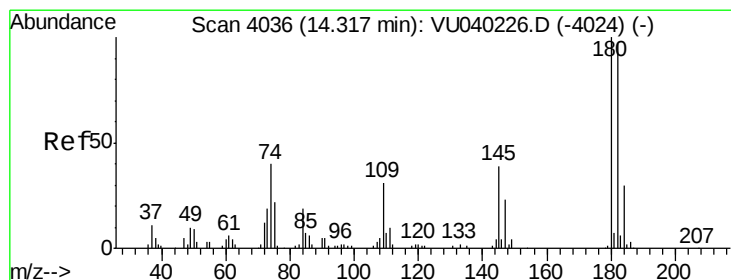
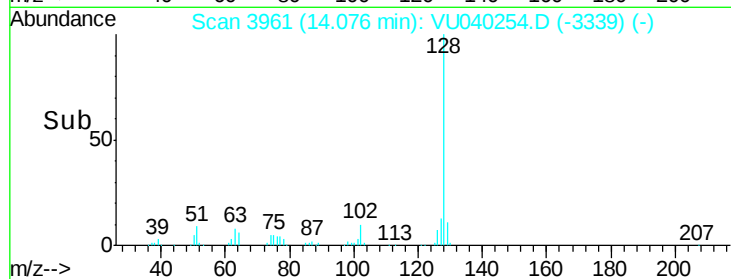
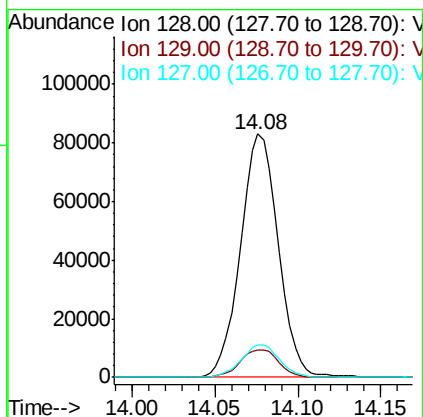
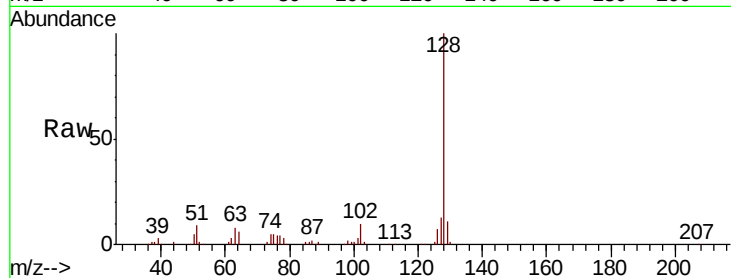




#69
Naphthalene
Concen: 3.232 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 131480
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.5 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 4.460 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040254.D
Acq: 23 Sep 2020 10:19

Tgt Ion:180 Resp: 79941
Ion Ratio Lower Upper
180 100
182 93.9 77.8 116.6
145 33.5 28.7 43.1

