

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041910.D
 Acq On : 08 Jan 2021 17:09
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:35:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	145823	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137107	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	74502	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43914	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.92	69	45697	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	93493	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.66	46	170485	52.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.12%
24) Chloroform-d	5.08	84	106784	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	57985	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.74	84	195126	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.70	67	59240	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	169447	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.18	79	23302	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.64	63	140363	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55650	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	69265	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	60153	4.869	ug/L 99
3) Chloromethane	1.52	50	60419	5.034	ug/L 98
5) Vinyl chloride	1.61	62	70645	5.330	ug/L 96
6) Bromomethane	1.86	94	47496	5.732	ug/L 97
8) Chloroethane	1.94	64	43521	4.835	ug/L 96
9) Trichlorofluoromethane	2.15	101	99623	5.939	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54632	5.446	ug/L 95
12) 1,1-Dichloroethene	2.59	96	56135	5.675	ug/L 88
13) Acetone	2.67	43	96141	46.155	ug/L 95
14) Carbon disulfide	2.81	76	170620	4.991	ug/L 100
15) Methyl Acetate	2.97	43	24950	4.607	ug/L 93
16) Methylene chloride	3.06	84	72373	6.126	ug/L 92
17) Methyl tert-butyl Ether	3.38	73	131096	4.967	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	55476	5.422	ug/L 92
19) 1,1-Dichloroethane	3.89	63	99628	5.210	ug/L 99
21) 2-Butanone	4.74	43	151363	44.612	ug/L 94
22) cis-1,2-Dichloroethene	4.68	96	58222	5.148	ug/L 90

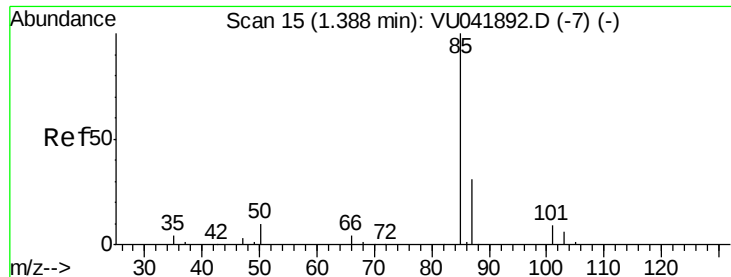
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041910.D
 Acq On : 08 Jan 2021 17:09
 Operator : SY/MD
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 ClientSampleId :

Quant Time: Jan 09 01:35:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	29387	5.657	ug/L	91
25) Chloroform	5.11	83	103325	5.365	ug/L	98
27) 1,2-Dichloroethane	5.81	62	65771	5.043	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	88288	5.607	ug/L	98
30) Cyclohexane	5.40	56	78698	4.459	ug/L	89
31) Carbon tetrachloride	5.54	117	77722	5.709	ug/L	99
33) Benzene	5.79	78	218784	4.989	ug/L	100
34) Trichloroethene	6.55	95	56230	5.103	ug/L	96
35) Methylcyclohexane	6.77	83	77680	4.361	ug/L	97
37) 1,2-Dichloropropane	6.80	63	52381	4.670	ug/L	100
38) Bromodichloromethane	7.11	83	68648	4.920	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	67993	4.091	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	304695	38.178	ug/L #	94
42) Toluene	7.98	91	220583	4.873	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	65461	4.405	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	41903	5.052	ug/L	98
47) Tetrachloroethene	8.56	164	43029	5.578	ug/L	95
48) 2-Hexanone	8.69	43	229056	39.436	ug/L #	94
49) Dibromochloromethane	8.81	129	51887	5.446	ug/L	99
50) 1,2-Dibromoethane	8.93	107	39632	4.830	ug/L	97
51) Chlorobenzene	9.45	112	141685	5.035	ug/L	94
52) Ethylbenzene	9.57	91	218571	4.534	ug/L	98
53) m,p-Xylene	9.69	106	88502	4.923	ug/L	98
54) o-Xylene	10.10	106	86694	4.923	ug/L	93
55) Styrene	10.11	104	148266	4.874	ug/L	97
56) Isopropylbenzene	10.48	105	221644	4.729	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52885	4.582	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	38194	4.534	ug/L	98
61) Bromoform	10.29	173	31776	5.642	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	110293	4.841	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	113254	4.944	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	111961	5.018	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	8909	4.258	ug/L #	64
67) 1,3,5-Trichlorobenzene	13.21	180	77300	4.469	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	60917	4.197	ug/L	98
69) Naphthalene	14.07	128	107646	3.583	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	62298	4.503	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.869 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

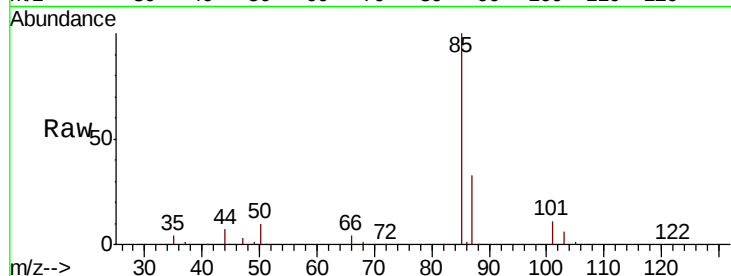
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 60153

Ion Ratio Lower Upper

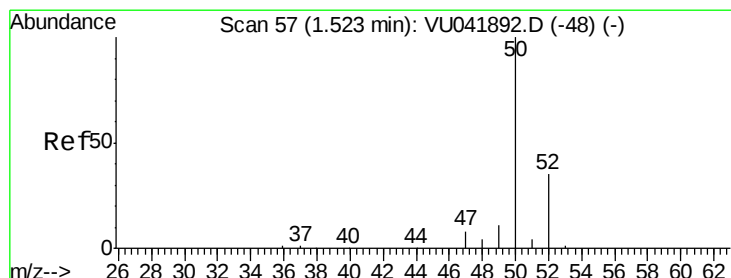
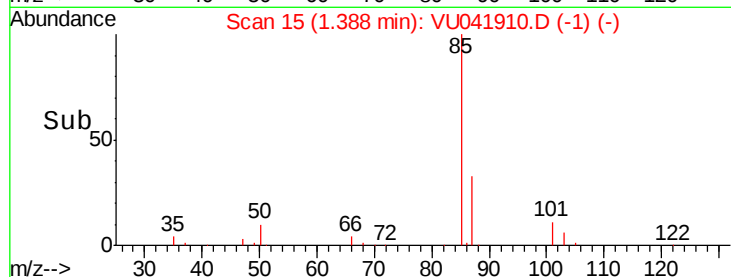
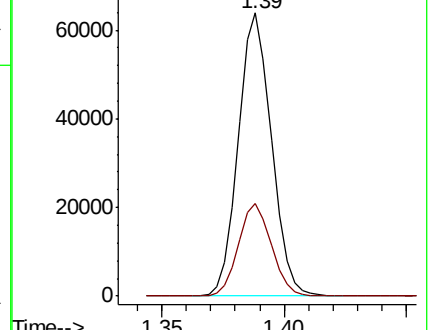
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041892.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041892.D (-7) (-)



#3

Chloromethane

Concen: 5.034 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041910.D

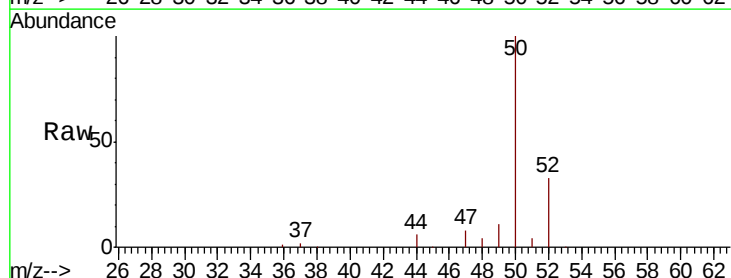
Acq: 08 Jan 2021 17:09

Tgt Ion: 50 Resp: 60419

Ion Ratio Lower Upper

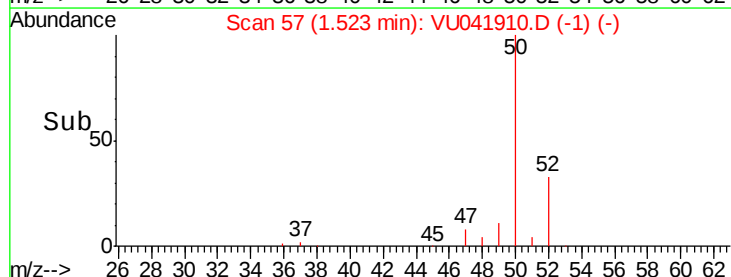
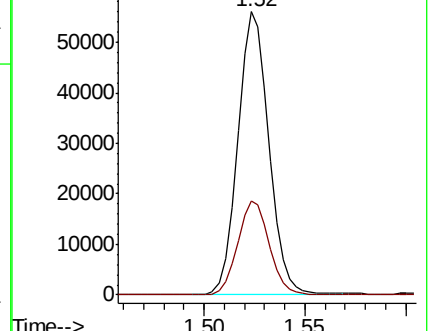
50 100

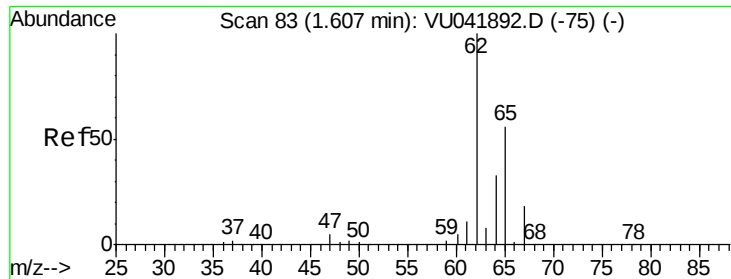
52 33.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041892.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041892.D (-48) (-)





#5

Vinyl chloride

Concen: 5.330 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

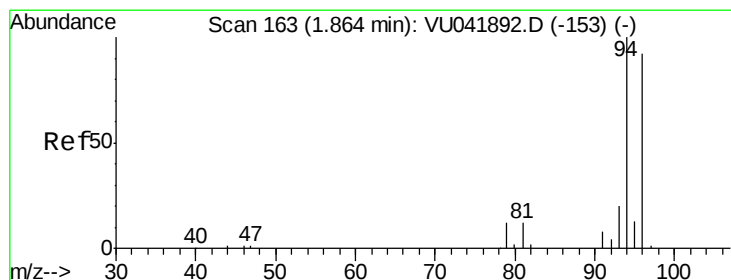
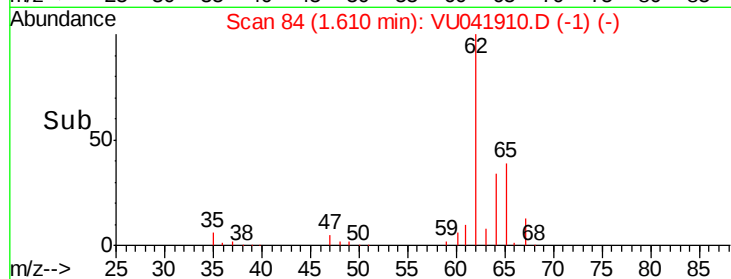
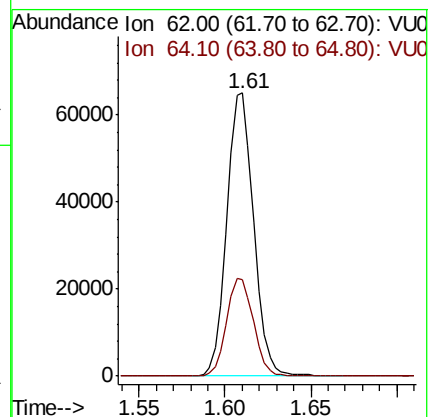
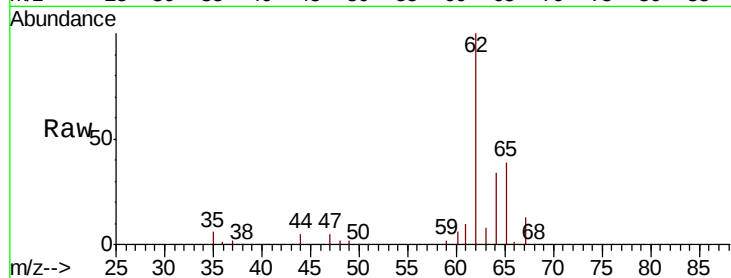
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 70645

Ion Ratio Lower Upper

62 100

64 34.1 22.5 41.7



#6

Bromomethane

Concen: 5.732 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041910.D

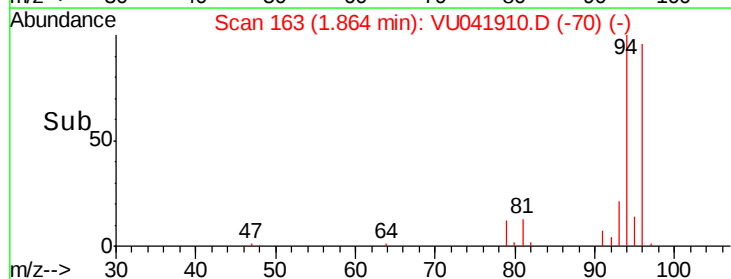
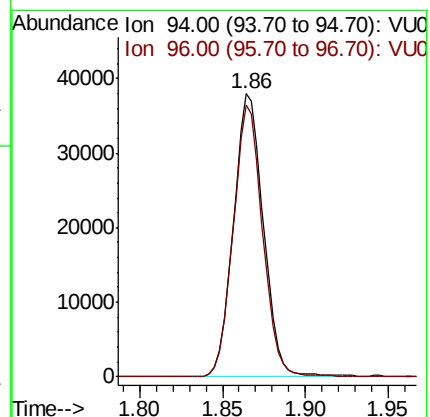
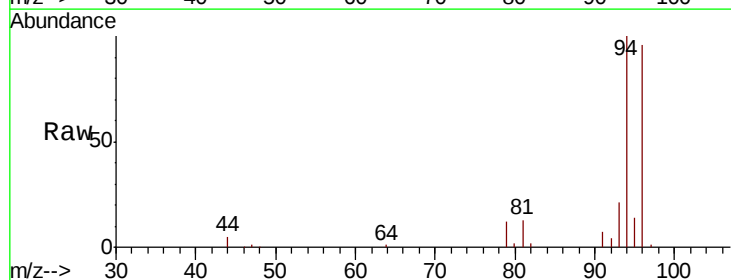
Acq: 08 Jan 2021 17:09

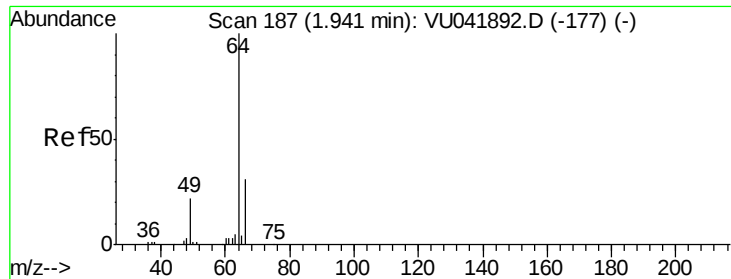
Tgt Ion: 94 Resp: 47496

Ion Ratio Lower Upper

94 100

96 96.2 65.7 121.9

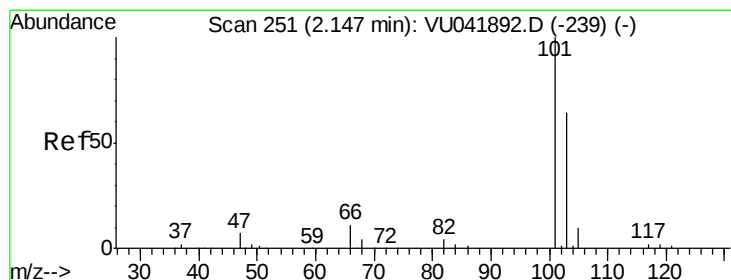
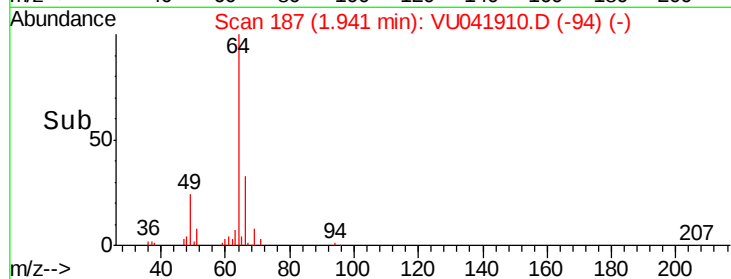
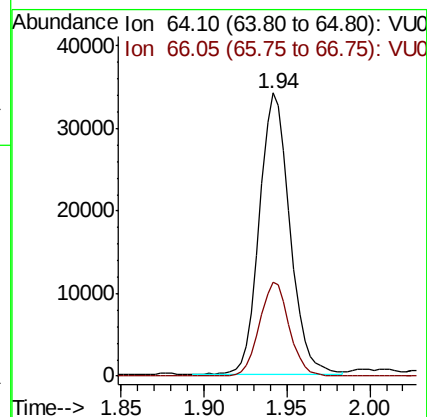
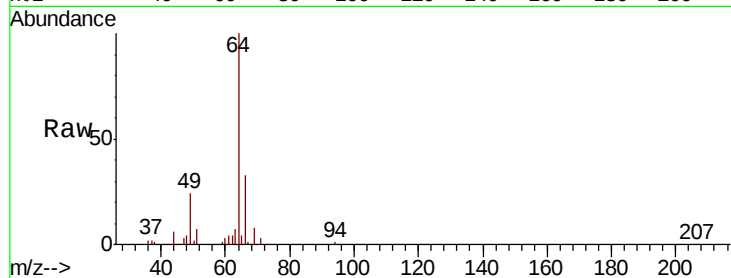




#8
Chloroethane
Concen: 4.835 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

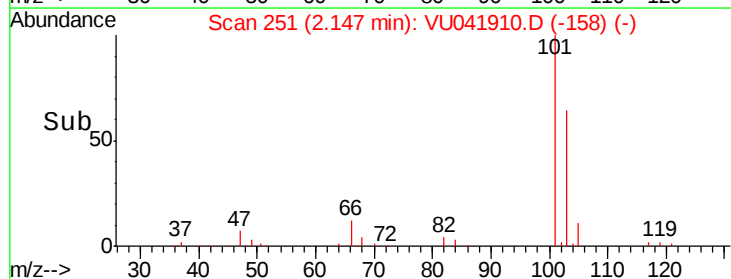
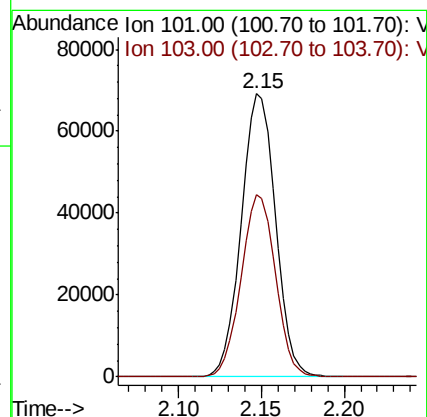
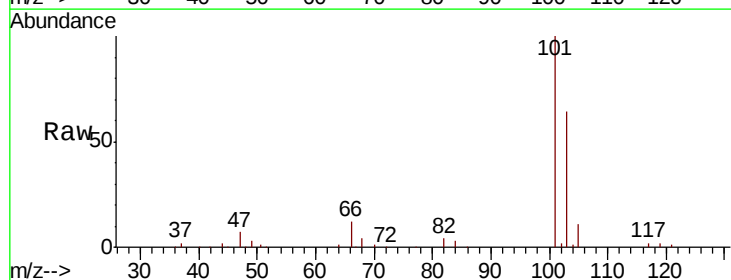
Instrument :
MSVOA_U
ClientSampleId :

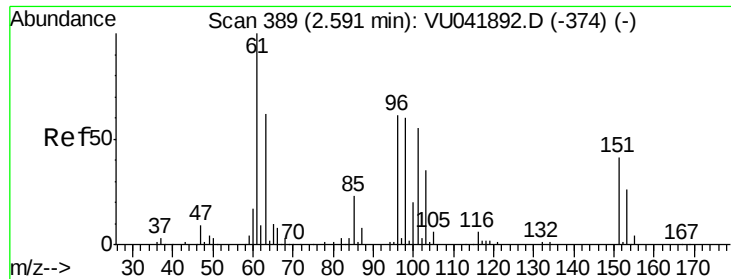
Tot Ion: 64 Resp: 43521
Ion Ratio Lower Upper
64 100
66 33.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.939 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion: 101 Resp: 99623
Ion Ratio Lower Upper
101 100
103 64.5 51.1 76.7





#10

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

Concen: 5.446 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

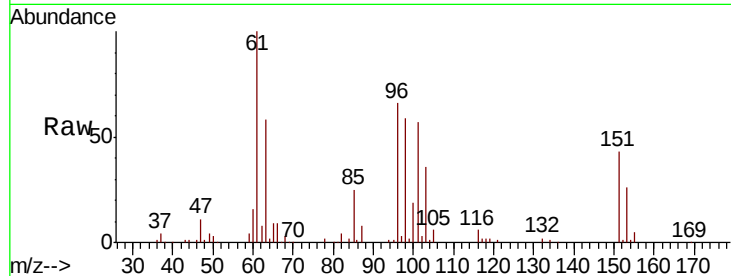
Tot Ion:101 Resp: 54632

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

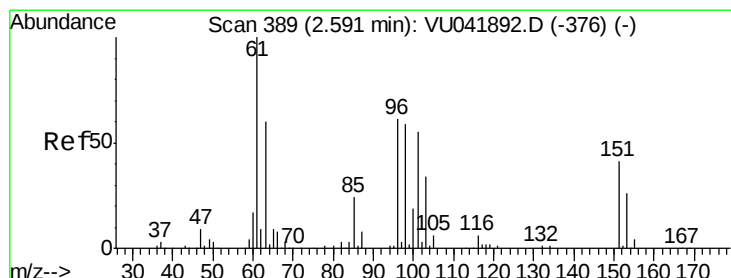
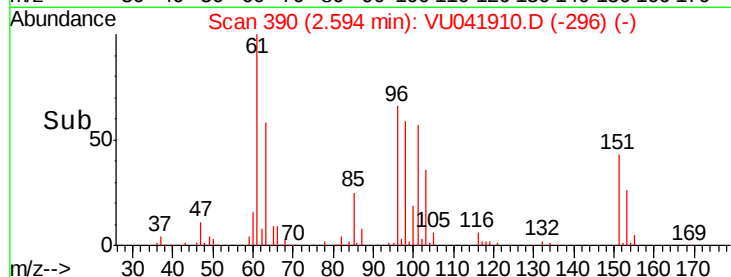
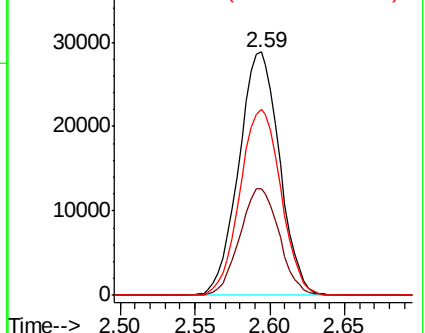
151 76.7 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.675 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

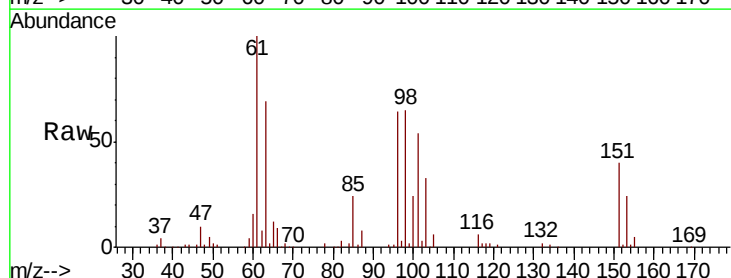
Tgt Ion: 96 Resp: 56135

Ion Ratio Lower Upper

96 100

61 156.3 123.8 230.0

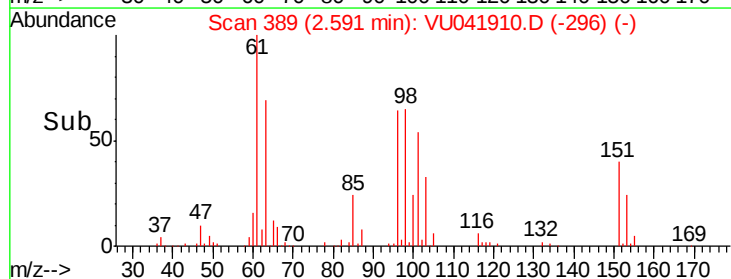
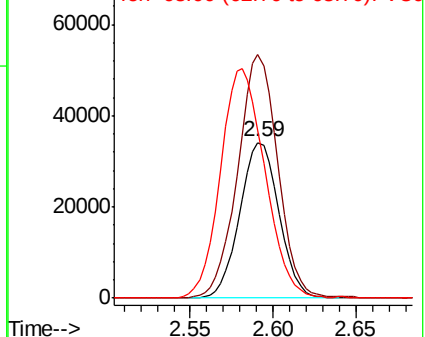
63 107.7 81.0 150.4

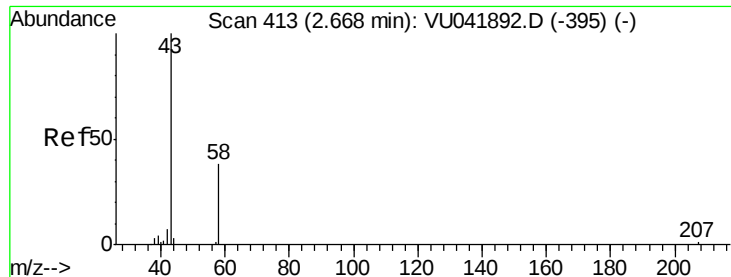


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.155 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

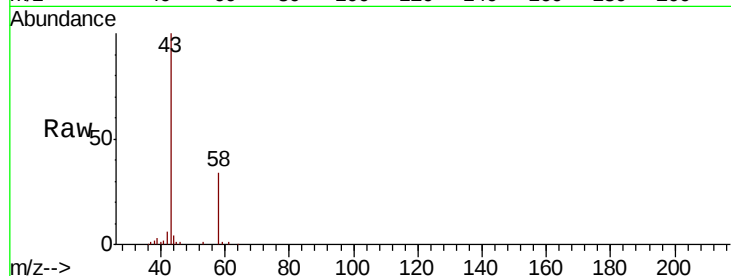
ClientSampleId :

Tot Ion: 43 Resp: 96141

Ion Ratio Lower Upper

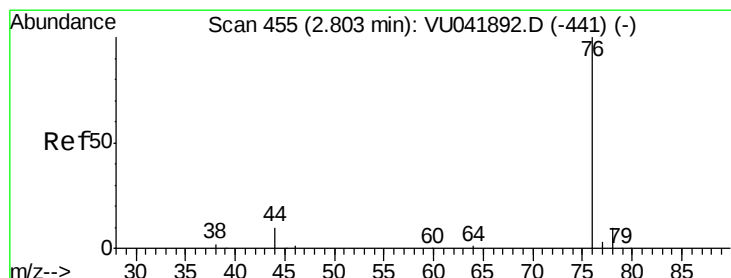
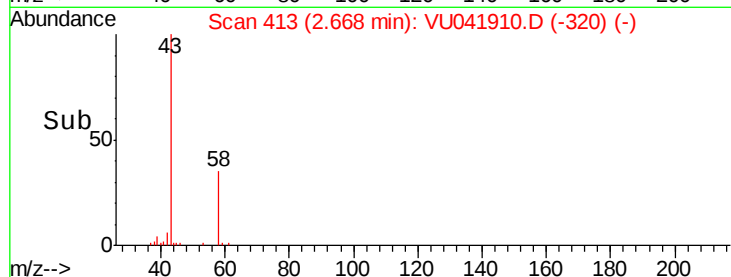
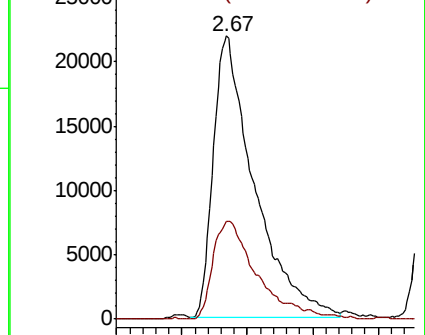
43 100

58 33.9 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041910.D

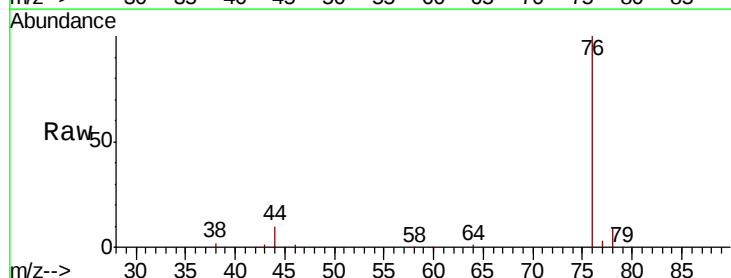
Acq: 08 Jan 2021 17:09

Tgt Ion: 76 Resp: 170620

Ion Ratio Lower Upper

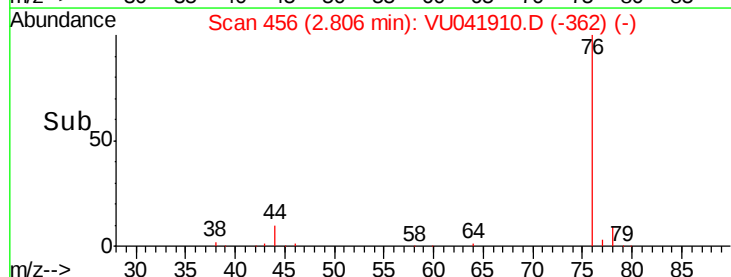
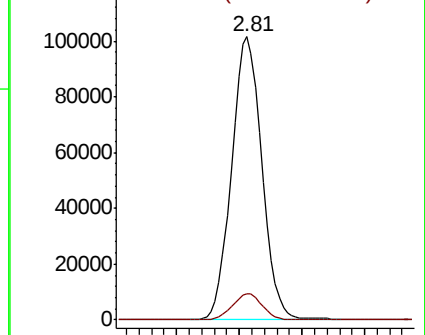
76 100

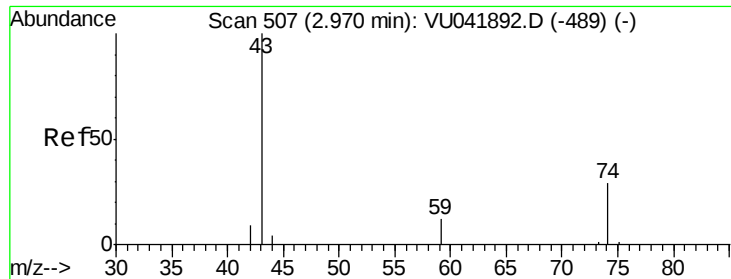
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

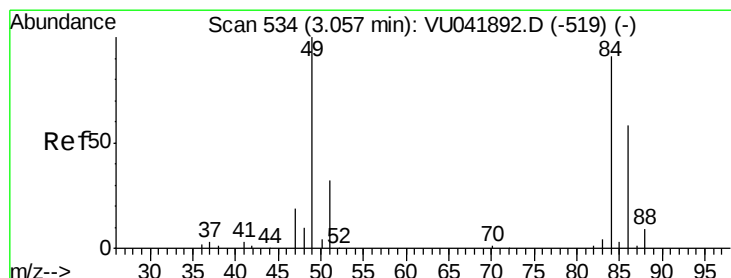
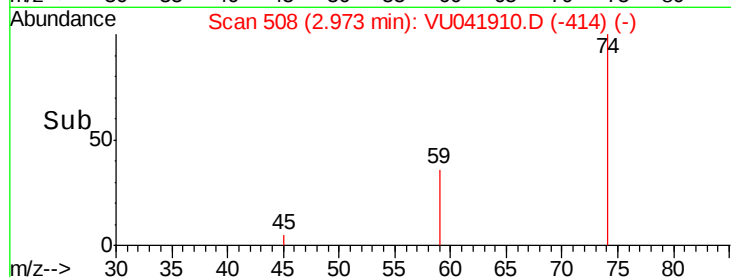
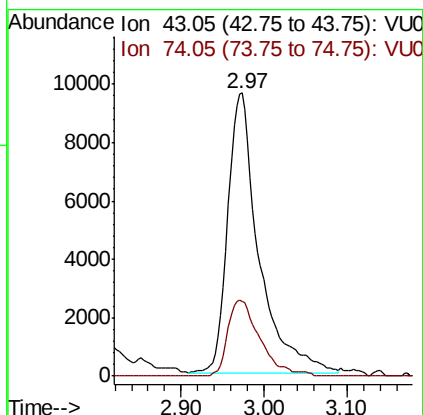
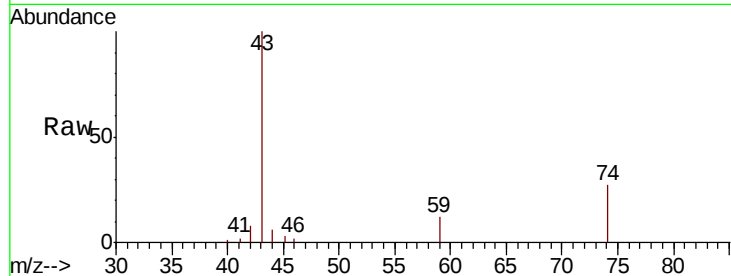




#15
Methvl Acetate
Concen: 4.607 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

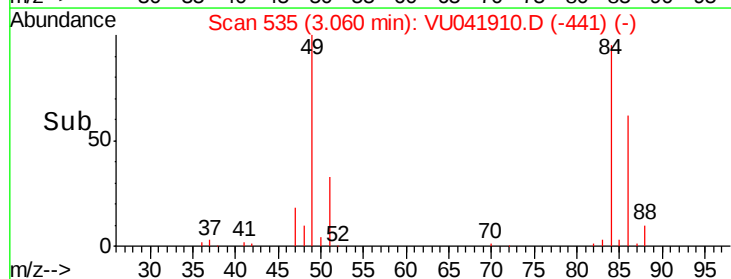
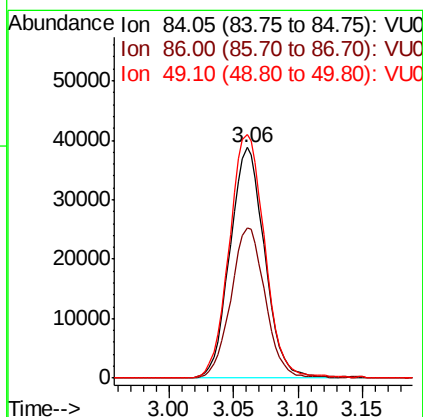
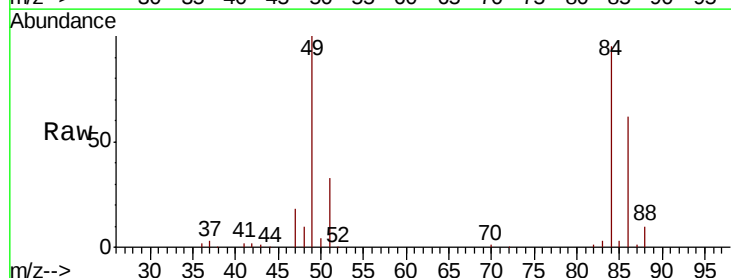
Instrument :
MSVOA_U
ClientSampled :

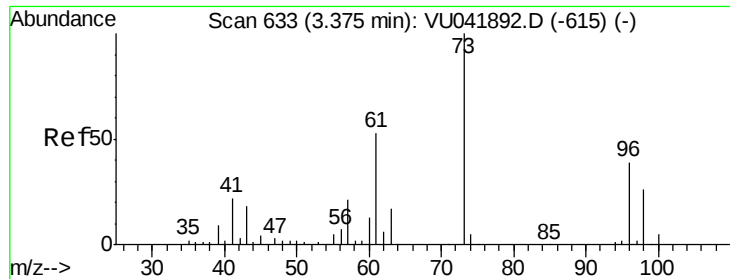
Tot Ion: 43 Resp: 24950
Ion Ratio Lower Upper
43 100
74 27.6 19.2 28.8



#16
Methylene chloride
Concen: 6.126 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion: 84 Resp: 72373
Ion Ratio Lower Upper
84 100
86 65.3 45.1 83.7
49 105.5 83.1 154.3

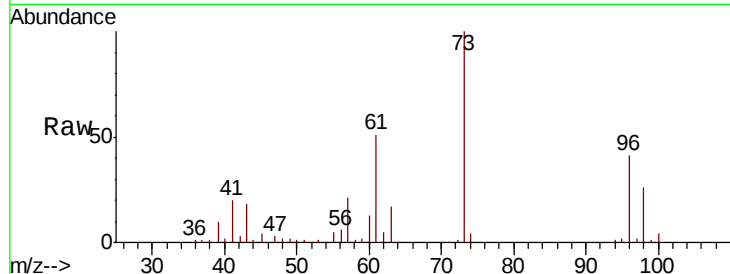




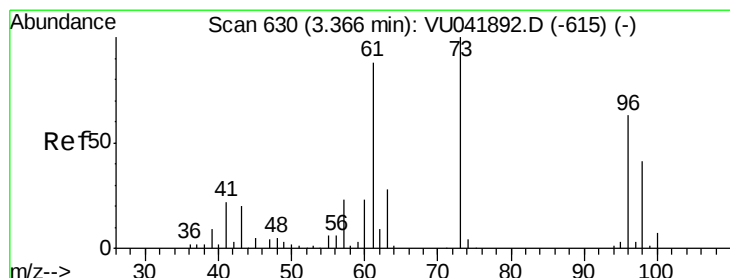
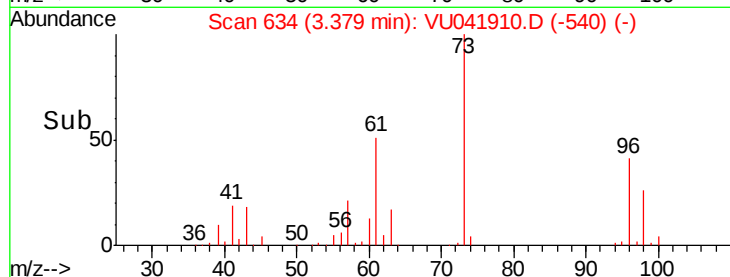
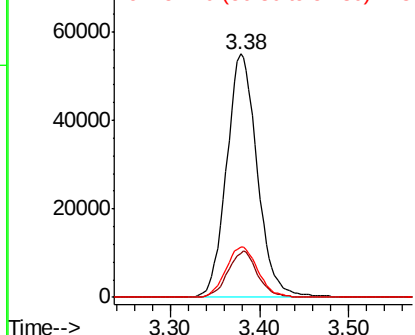
#17
Methvl tert-butvl Ether
Concen: 4.967 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 131096
Ion Ratio Lower Upper
73 100
43 18.3 14.7 22.1
57 21.5 18.2 27.4

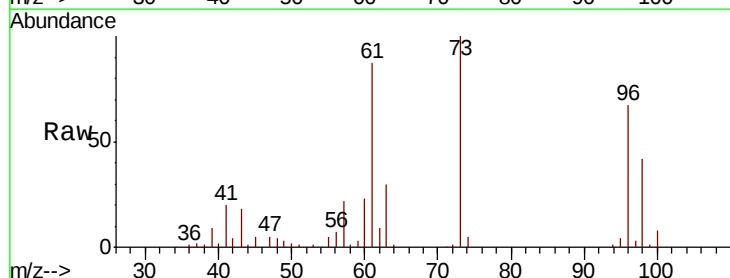


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

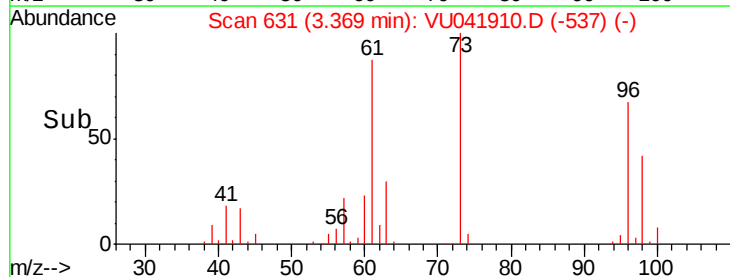
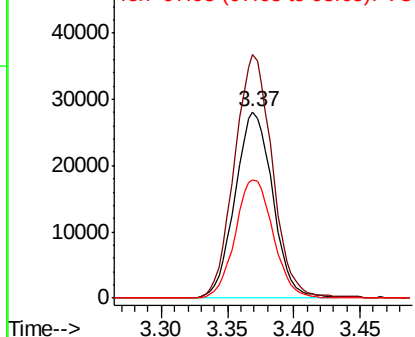


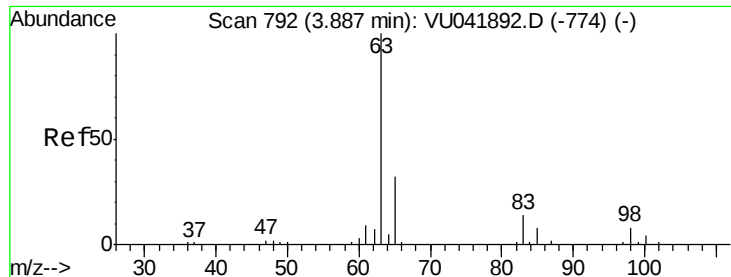
#18
trans-1,2-Dichloroethene
Concen: 5.422 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion: 96 Resp: 55476
Ion Ratio Lower Upper
96 100
61 130.6 101.8 189.0
98 63.6 44.4 82.5



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

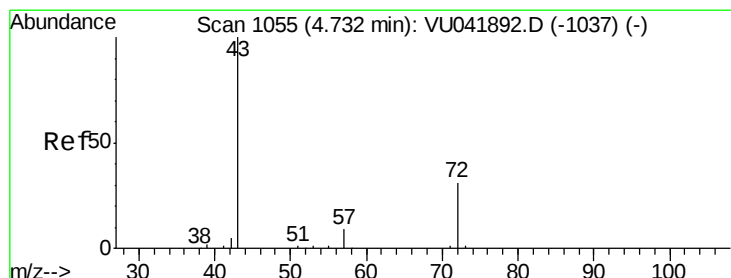
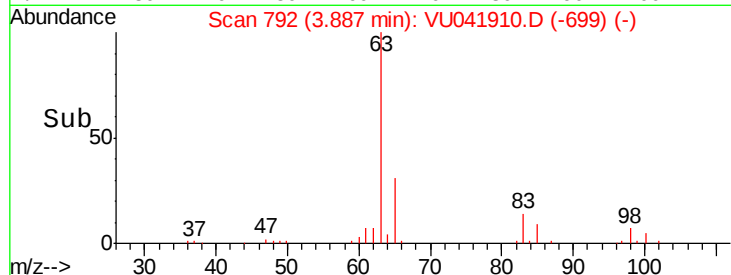
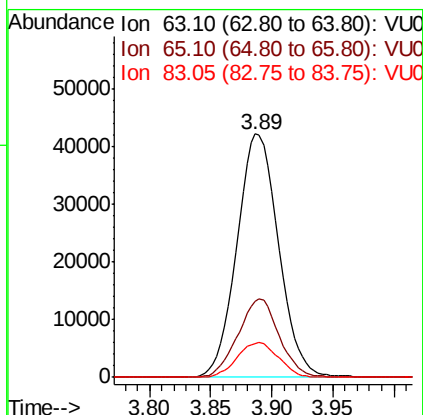
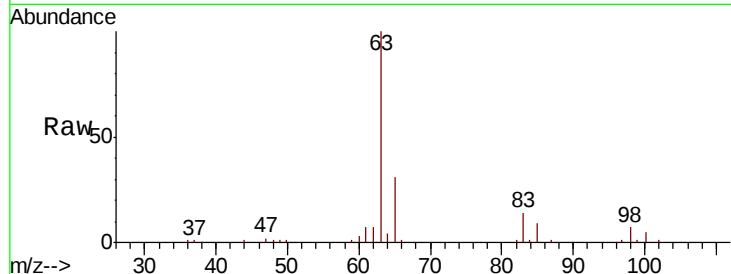




#19
 1,1-Dichloroethane
 Concen: 5.210 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

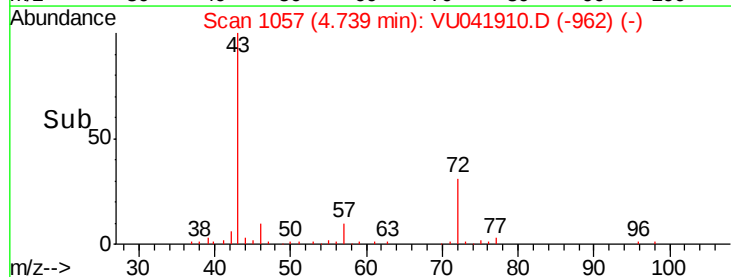
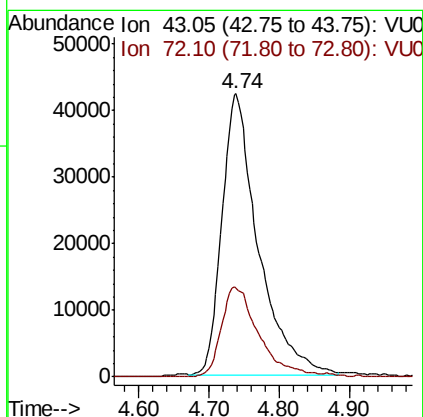
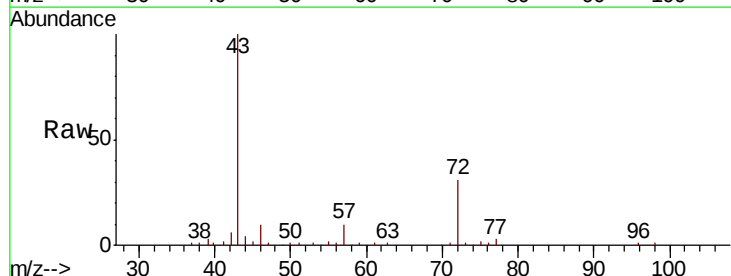
Instrument :
 MSVOA_U
 ClientSampled :

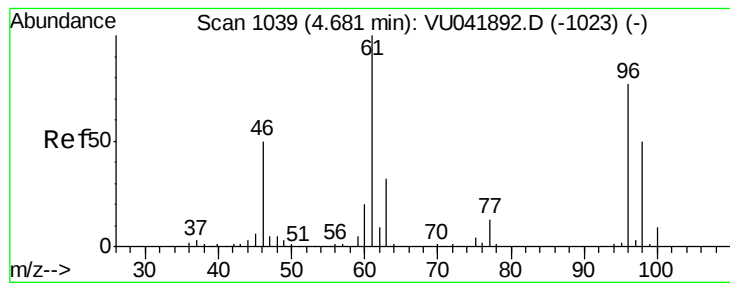
Tot Ion: 63 Resp: 99628
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.3 39.6
 83 14.0 9.3 17.3



#21
 2-Butanone
 Concen: 44.612 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt Ion: 43 Resp: 151363
 Ion Ratio Lower Upper
 43 100
 72 32.7 14.6 44.0





#22

cis-1,2-Dichloroethene

Concen: 5.148 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

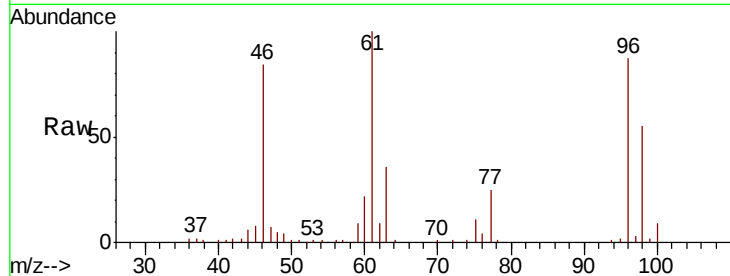
Tot Ion: 96 Resp: 58222

Ion Ratio Lower Upper

96 100

61 115.2 88.8 165.0

68 0.0 0.0 0.0

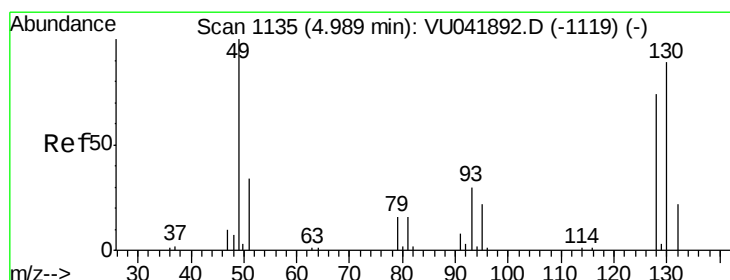
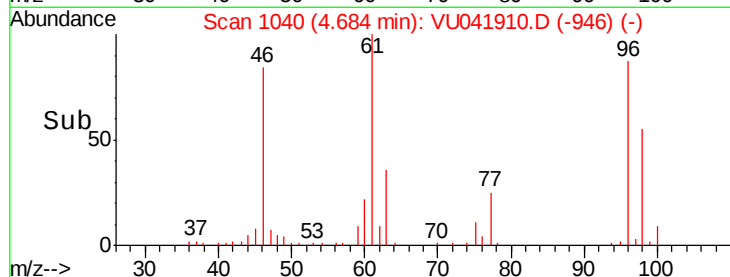
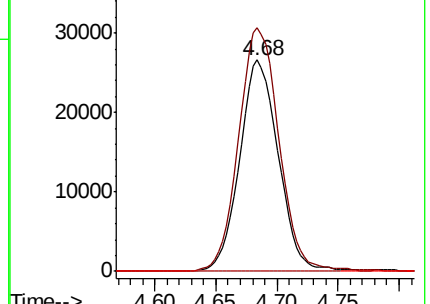


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.657 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Tgt Ion:128 Resp: 29387

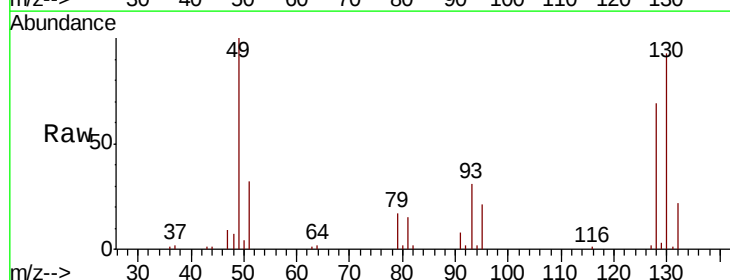
Ion Ratio Lower Upper

128 100

49 145.1 109.3 203.1

130 135.0 84.8 157.6

51 47.0 40.6 61.0



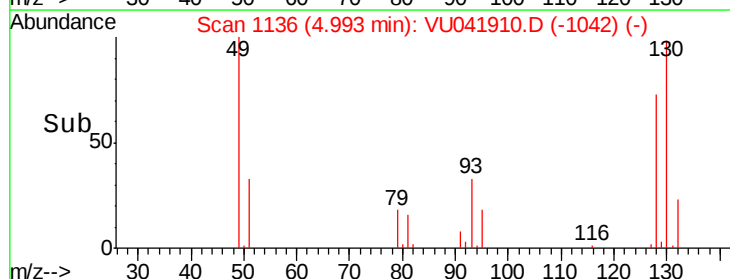
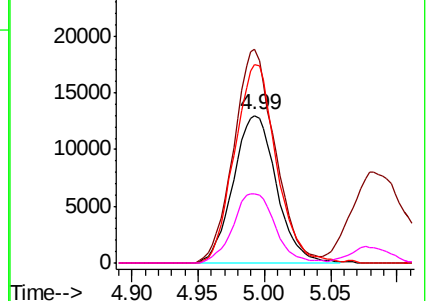
Abundance

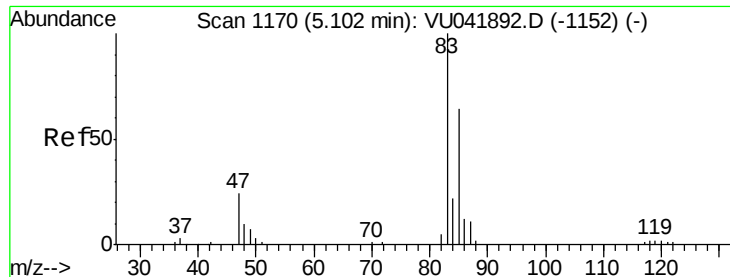
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

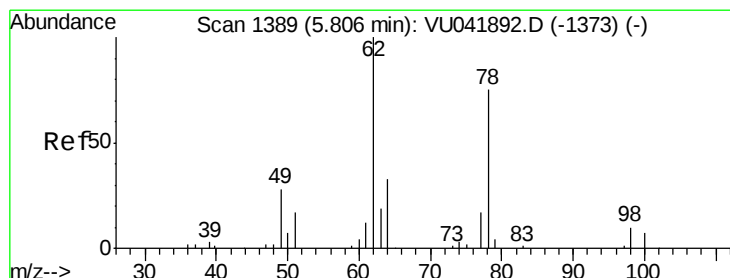
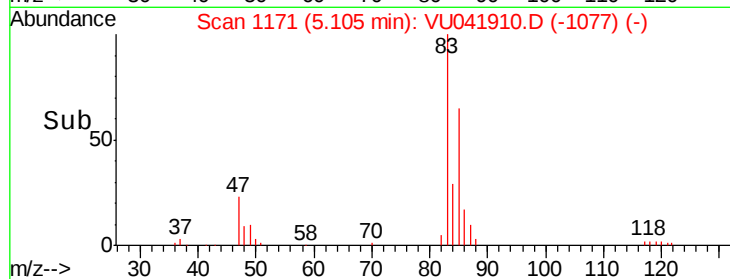
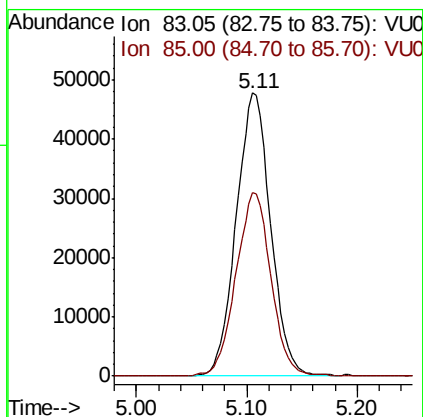
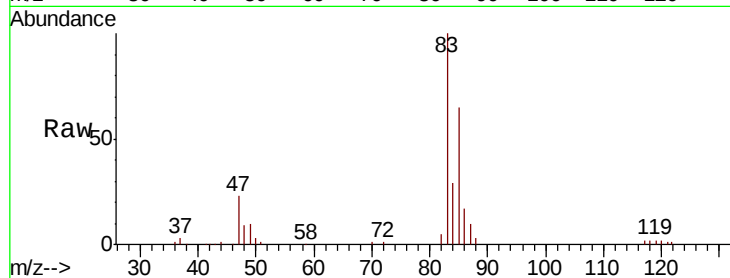




#25
Chloroform
Concen: 5.365 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

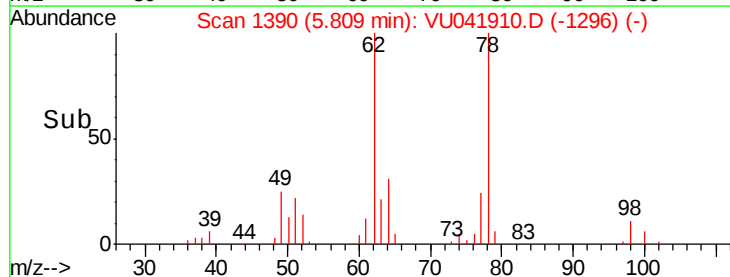
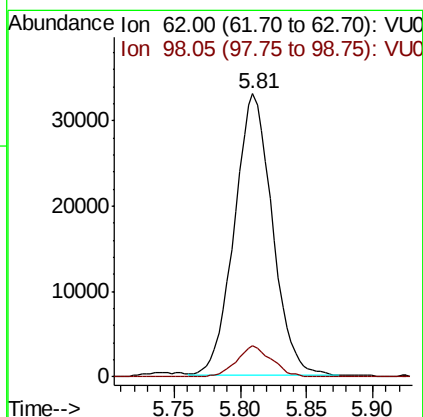
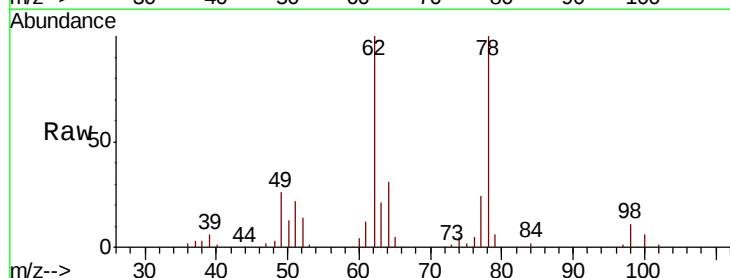
Instrument :
MSVOA_U
ClientSampled :

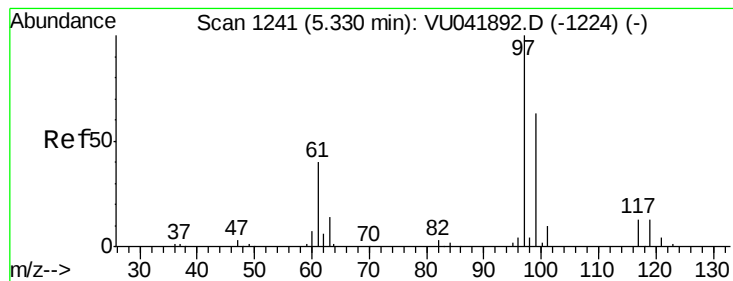
Tot Ion: 83 Resp: 103325
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.043 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion: 62 Resp: 65771
Ion Ratio Lower Upper
62 100
98 10.9 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.607 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

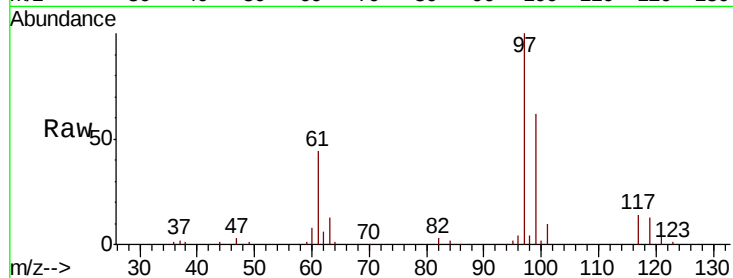
Tot Ion: 97 Resp: 88288

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

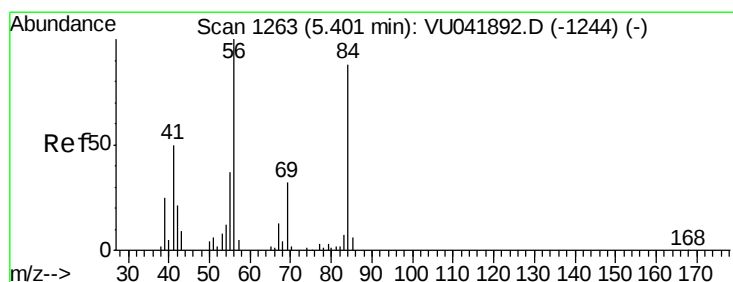
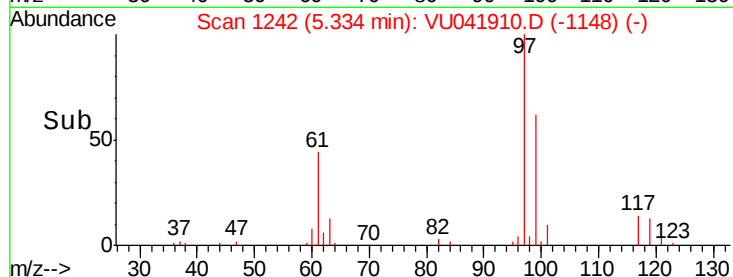
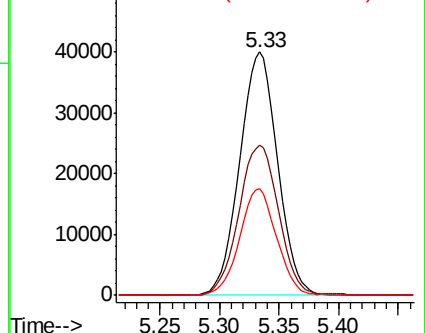
61 42.6 36.5 54.7



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.459 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

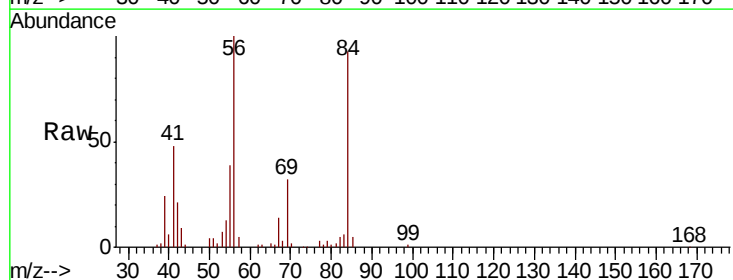
Tgt Ion: 56 Resp: 78698

Ion Ratio Lower Upper

56 100

69 32.3 23.8 35.8

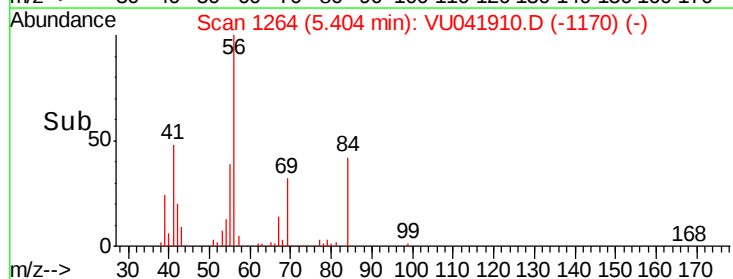
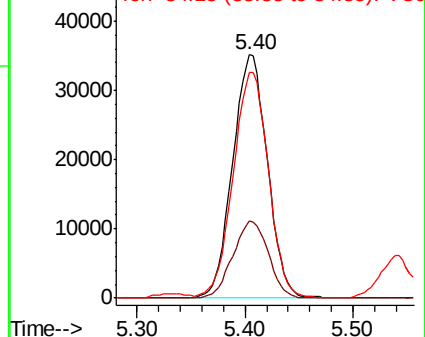
84 94.2 66.2 99.4

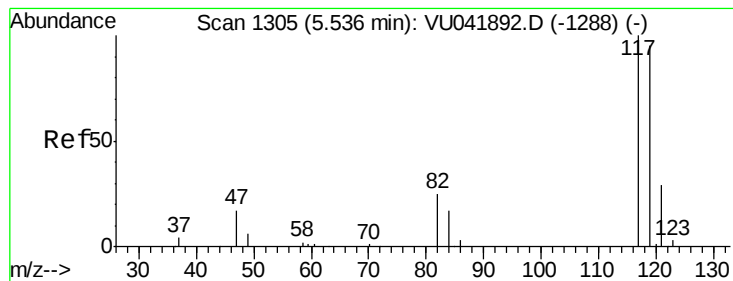


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.709 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

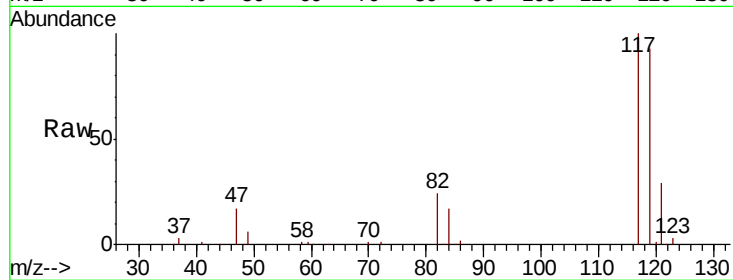
ClientSampleId :

Tot Ion:117 Resp: 77722

Ion Ratio Lower Upper

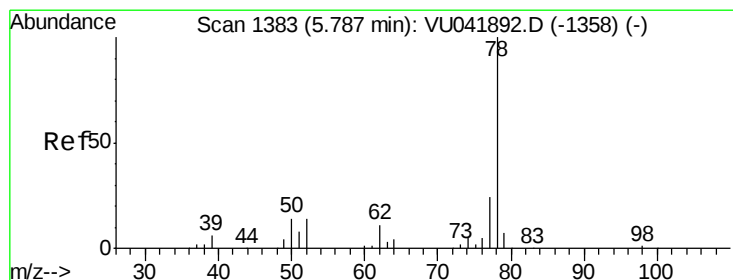
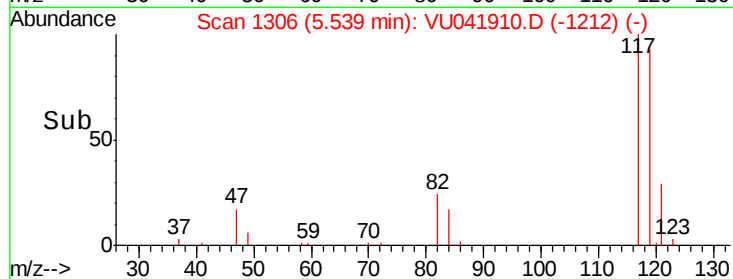
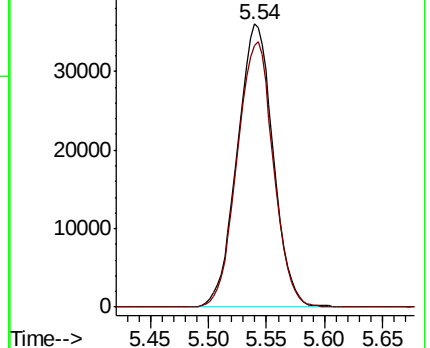
117 100

119 94.2 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: 4.989 ug/L

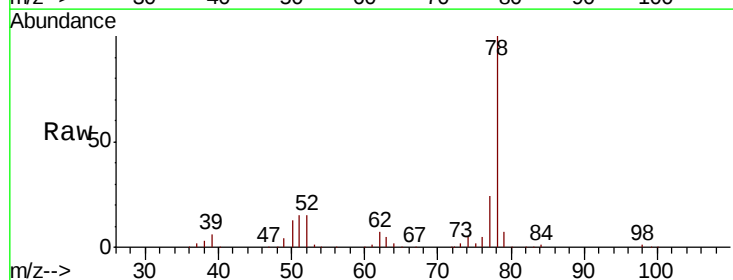
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

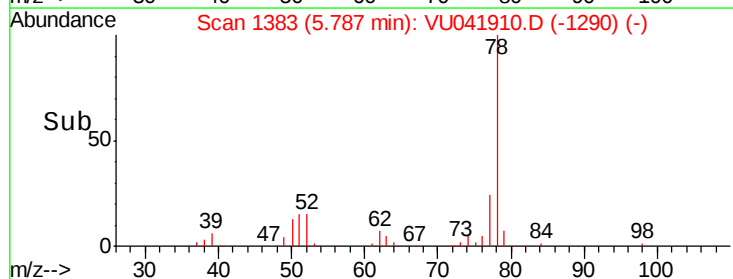
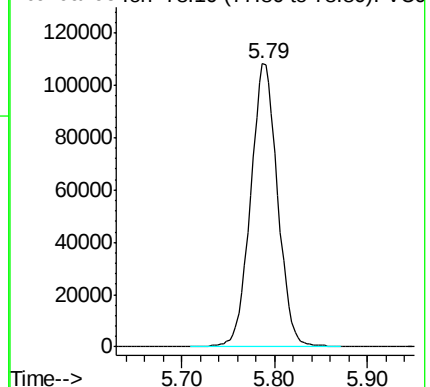
Lab File: VU041910.D

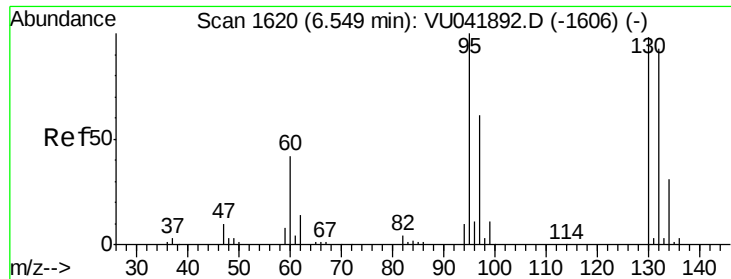
Acq: 08 Jan 2021 17:09

Tgt Ion: 78 Resp: 218784



Abundance Ion 78.10 (77.80 to 78.80): VU0

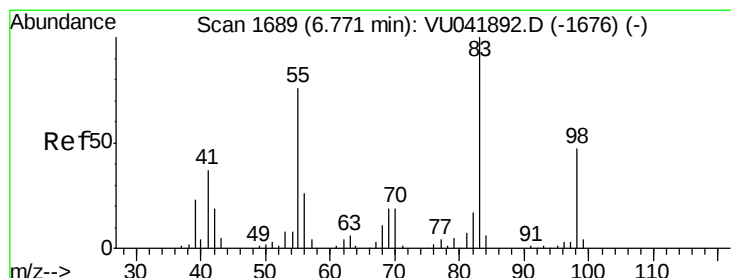
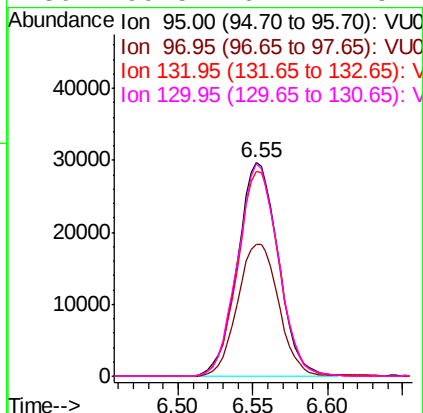
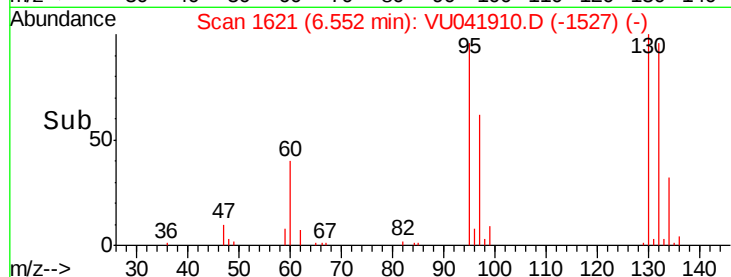
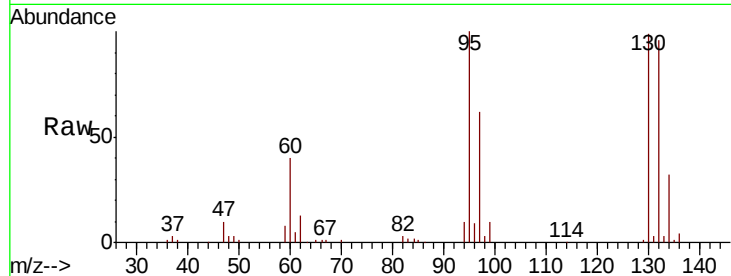




#34
 Trichloroethene
 Concen: 5.103 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

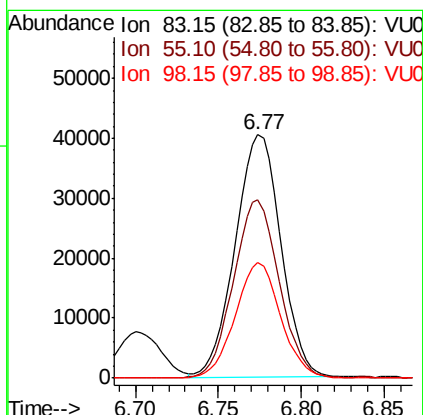
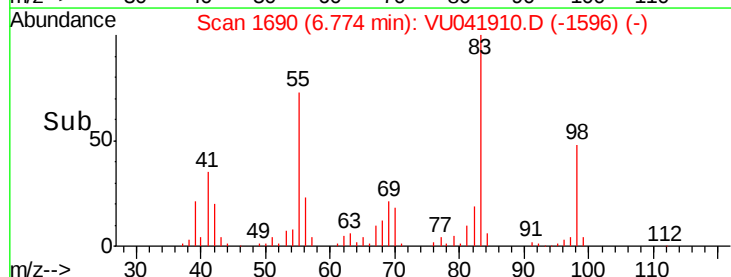
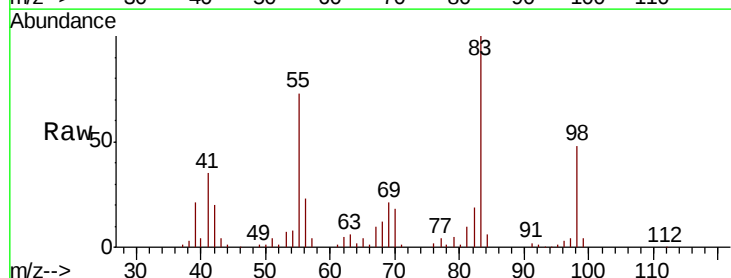
Instrument :
 MSVOA_U
 ClientSampleId :

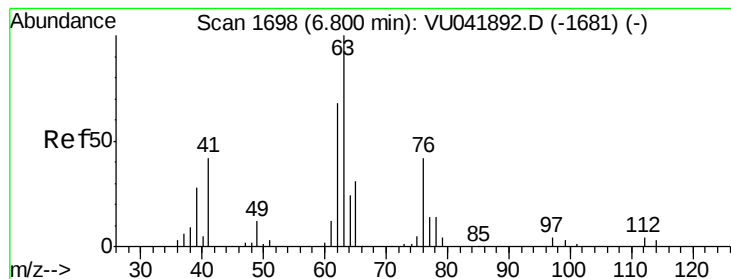
Tot Ion: 95 Resp: 56230
 Ion Ratio Lower Upper
 95 100
 97 61.7 43.9 81.5
 132 95.9 63.1 117.3
 130 99.5 67.4 125.2



#35
 Methylcyclohexane
 Concen: 4.361 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt Ion: 83 Resp: 77680
 Ion Ratio Lower Upper
 83 100
 55 73.3 61.2 91.8
 98 47.1 36.6 54.8





#37

1,2-Dichloropropane

Concen: 4.670 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

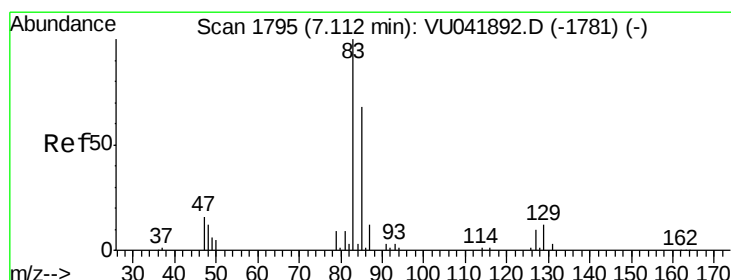
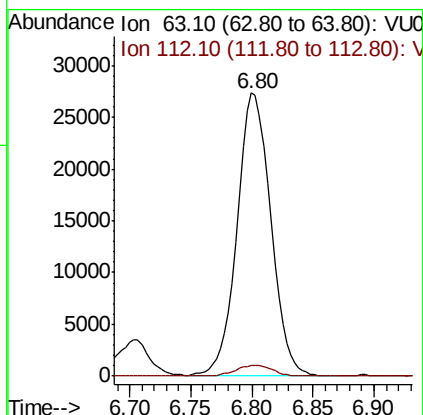
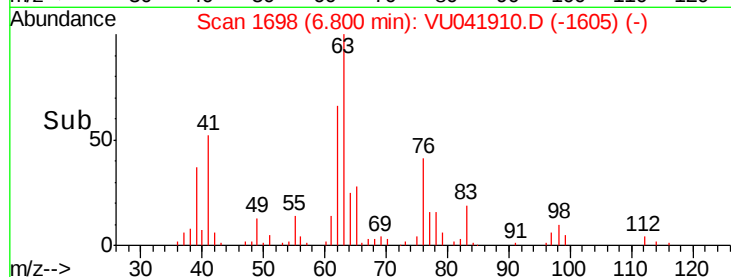
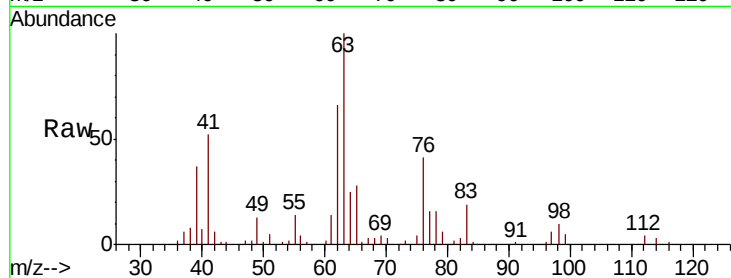
ClientSampleId :

Tot Ion: 63 Resp: 52381

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 4.920 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

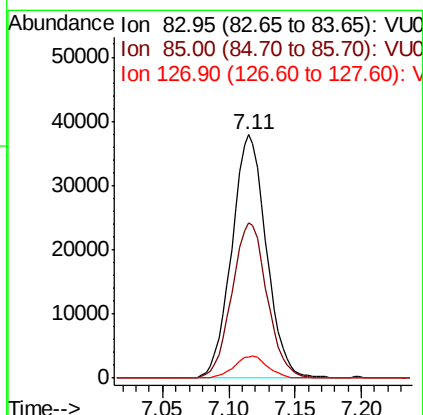
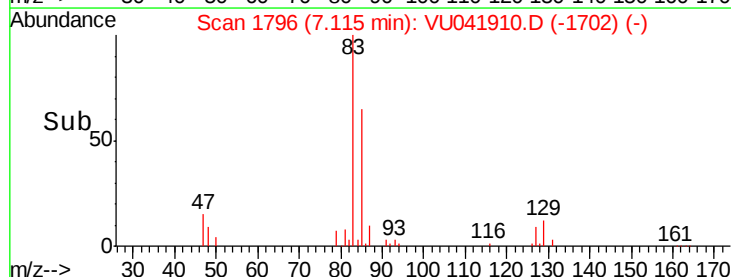
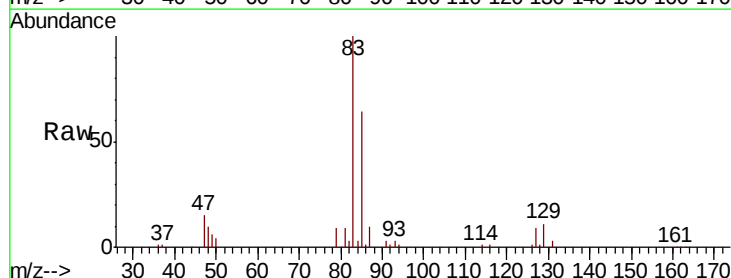
Tgt Ion: 83 Resp: 68648

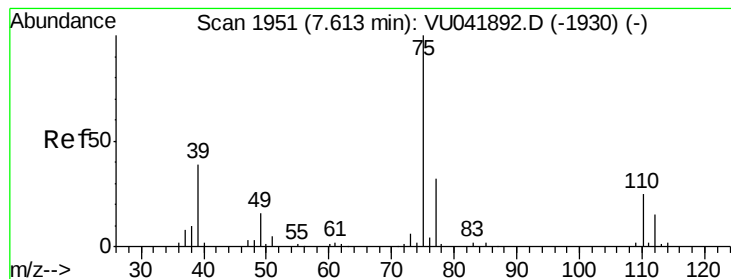
Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

127 8.8 7.0 10.6



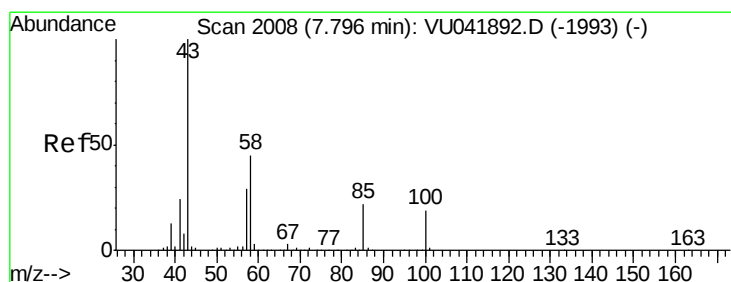
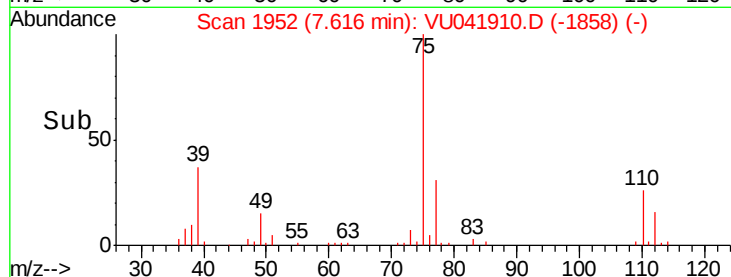
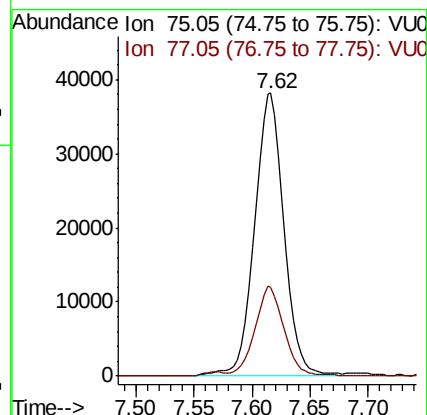
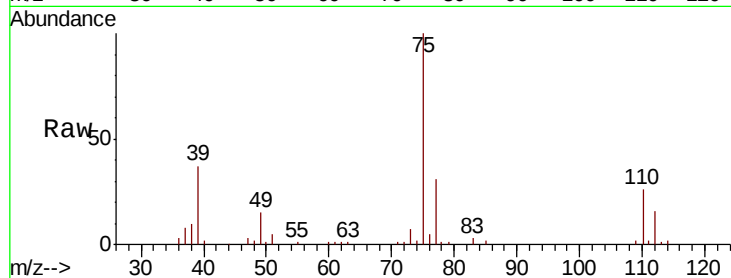


#39

cis-1,3-Dichloropropene
Concen: 4.091 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

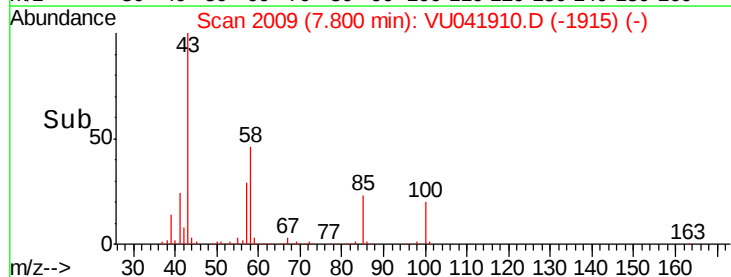
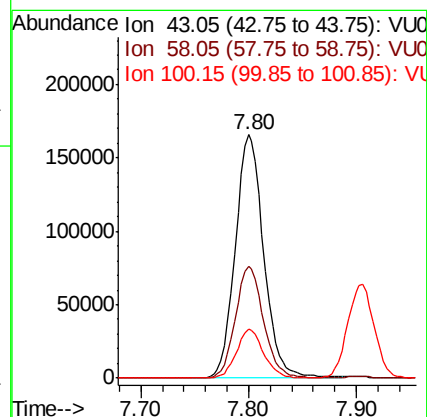
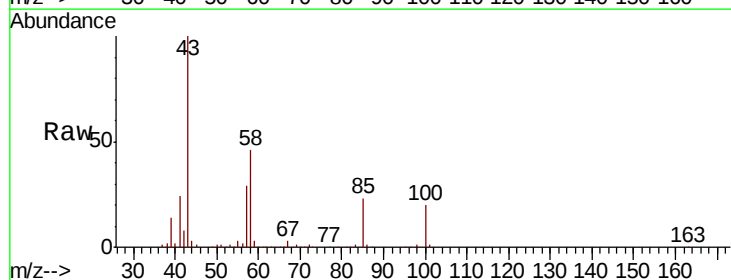
Tot Ion: 75 Resp: 67993
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.3

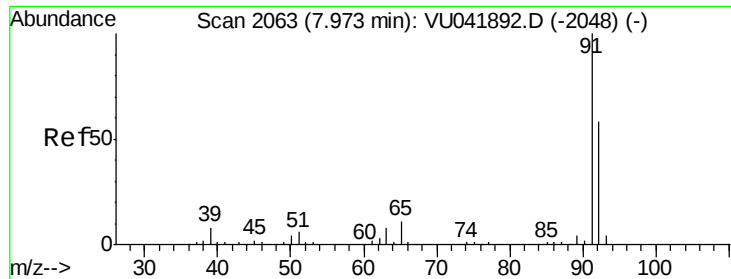


#40

4-Methyl-2-pentanone
Concen: 38.178 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion: 43 Resp: 304695
Ion Ratio Lower Upper
43 100
58 45.7 34.2 51.2
100 19.3 12.3 18.5#





#42

Toluene

Concen: 4.873 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

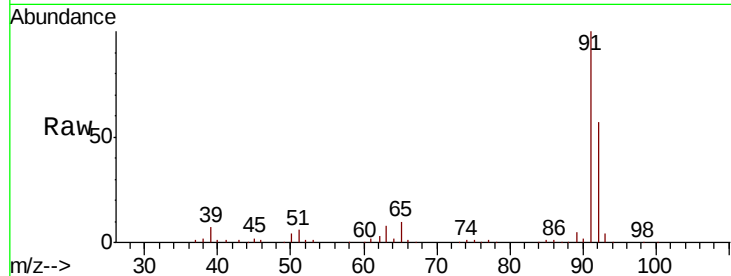
ClientSampled :

Tot Ion: 91 Resp: 220583

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041892.D (-2048) (-)

7.98

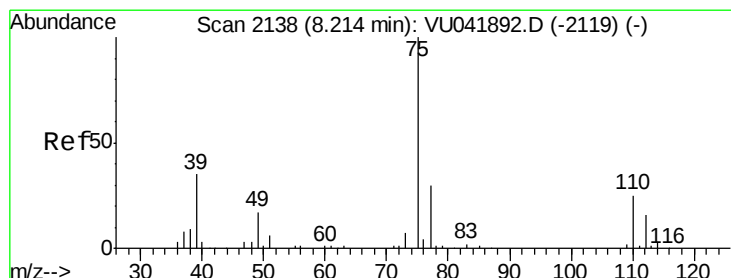
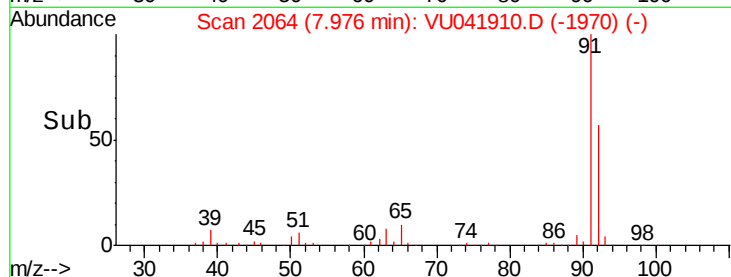
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.405 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041910.D

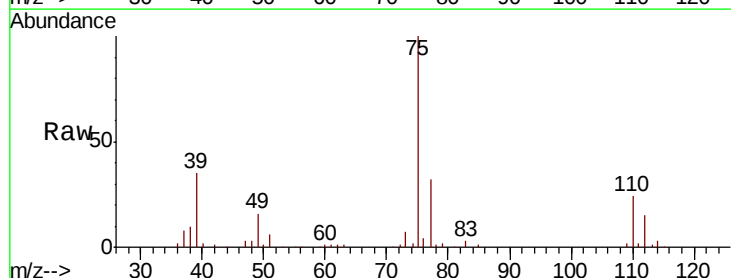
Acq: 08 Jan 2021 17:09

Tgt Ion: 75 Resp: 65461

Ion Ratio Lower Upper

75 100

77 31.6 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU041892.D (-2119) (-)

8.21

40000

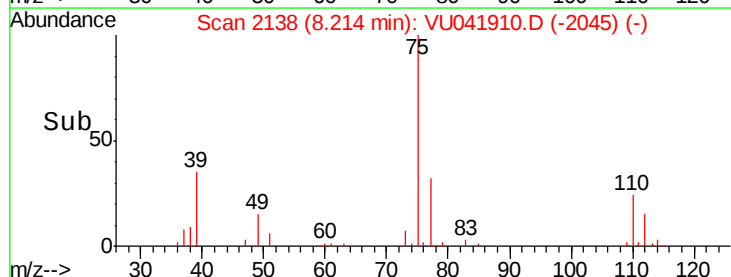
30000

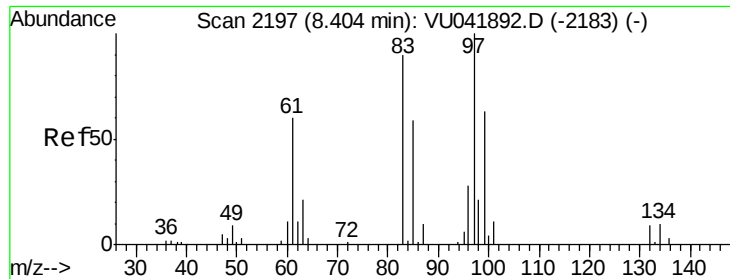
20000

10000

0

Time-->

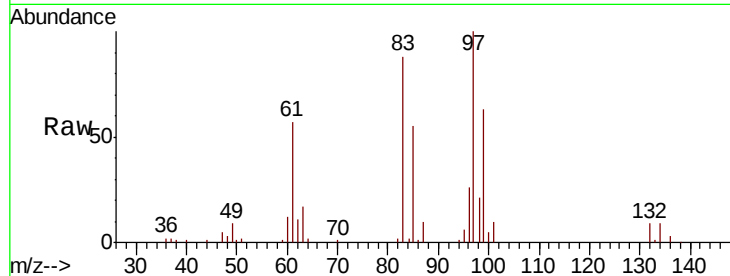




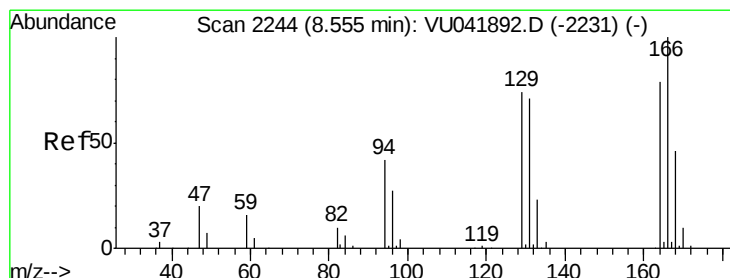
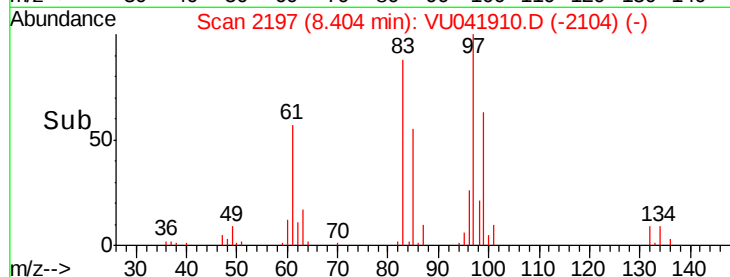
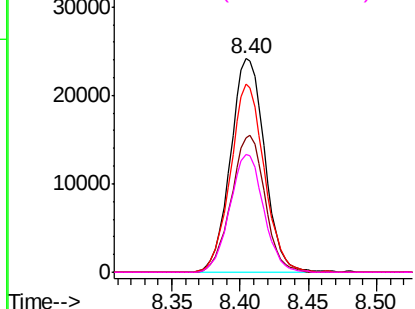
#45
1,1,2-Trichloroethane
Concen: 5.052 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	41903
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.1	78.3
83	88.2	62.6	116.2
85	55.4	39.1	72.7

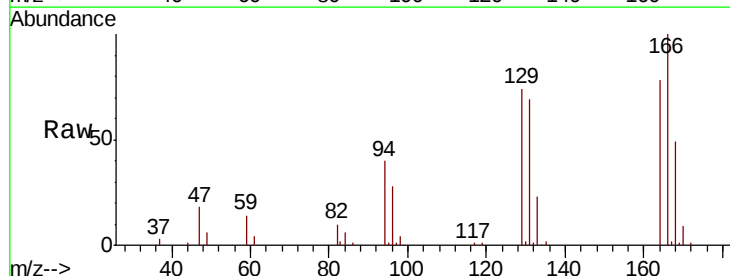


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

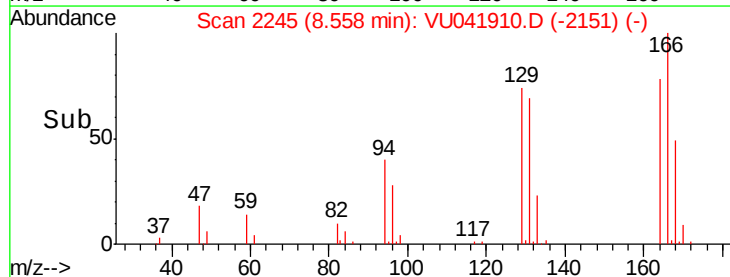
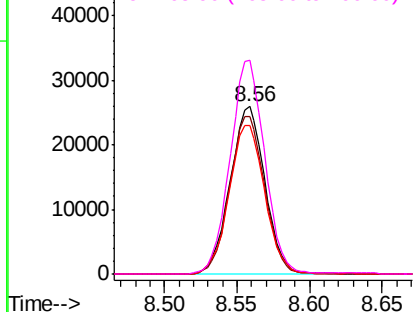


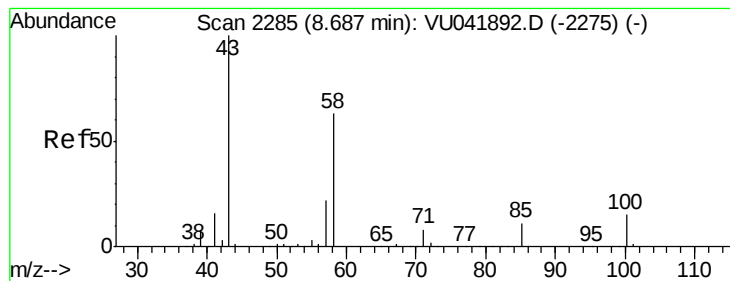
#47
Tetrachloroethene
Concen: 5.578 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion:	164	Resp:	43029
Ion	Ratio	Lower	Upper
164	100		
129	94.3	72.2	134.0
131	88.4	66.9	124.3
166	127.6	89.6	166.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 39.436 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 229056

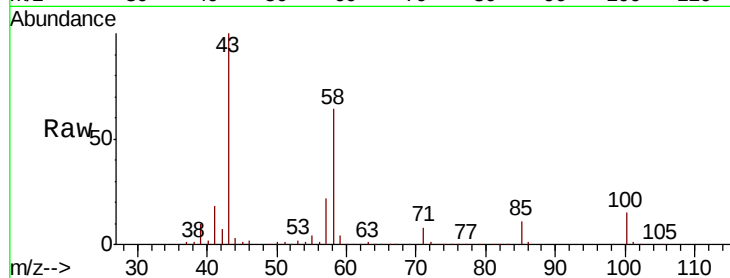
Ion Ratio Lower Upper

43 100

58 64.2 47.9 71.9

57 22.8 16.5 24.7

100 15.2 9.4 14.2#

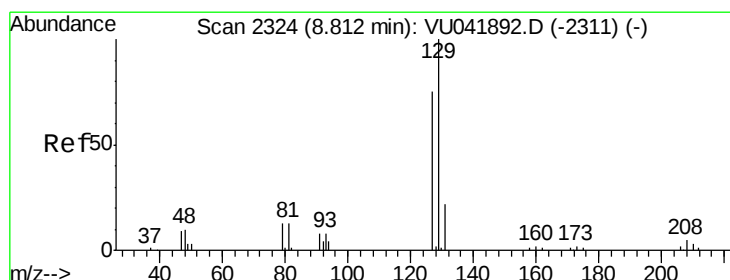
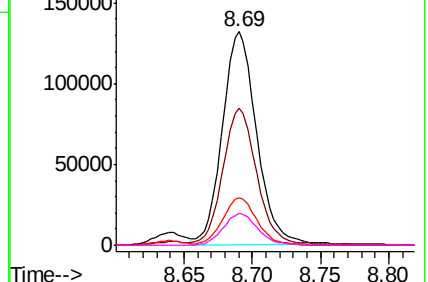
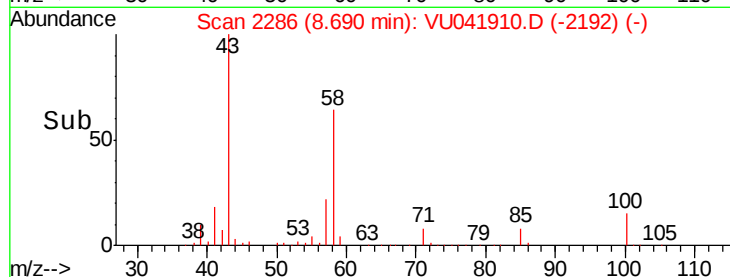


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.446 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041910.D

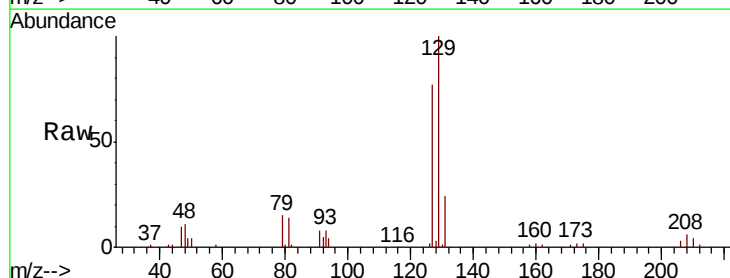
Acq: 08 Jan 2021 17:09

Tgt Ion: 129 Resp: 51887

Ion Ratio Lower Upper

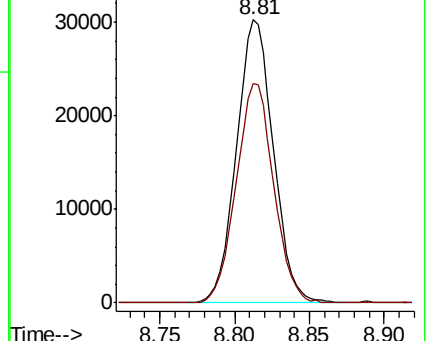
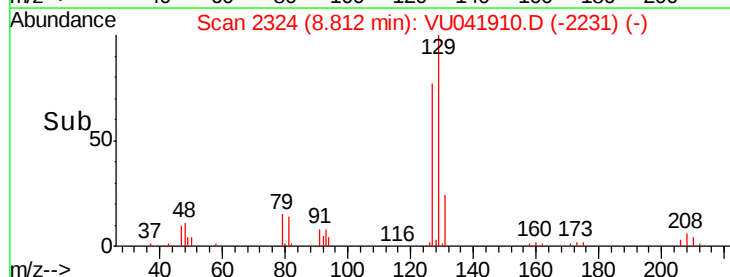
129 100

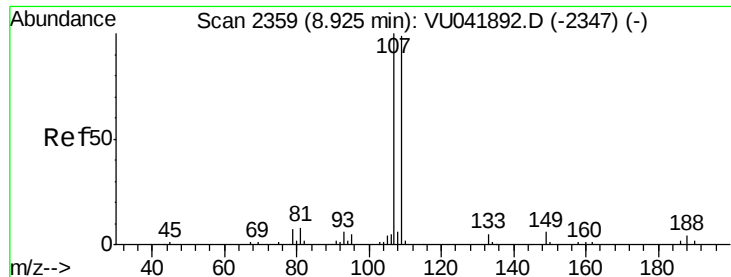
127 77.3 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

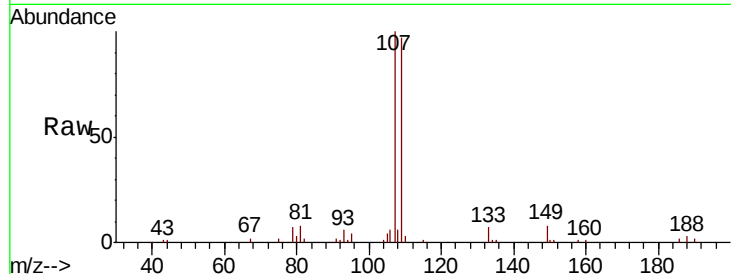




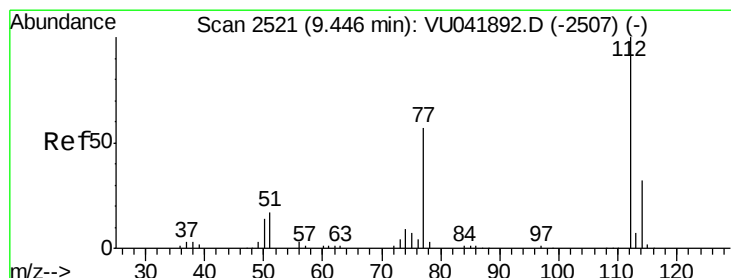
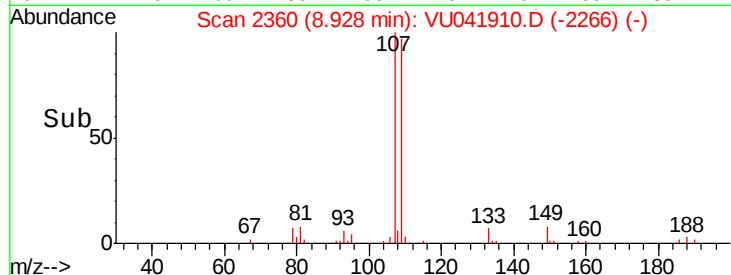
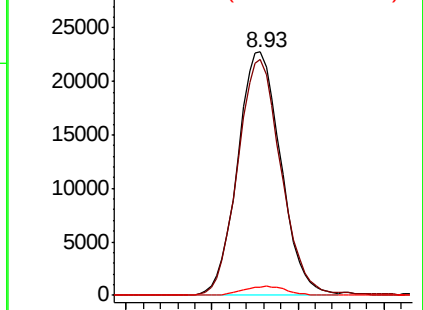
#50
 1,2-Dibromoethane
 Concen: 4.830 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 39632
 Ion Ratio Lower Upper
 107 100
 109 96.7 65.6 121.8
 188 3.5 2.6 4.0

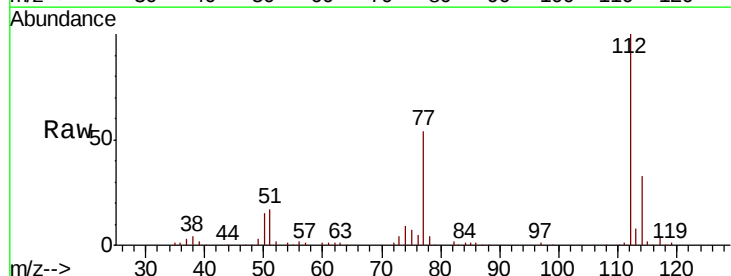


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

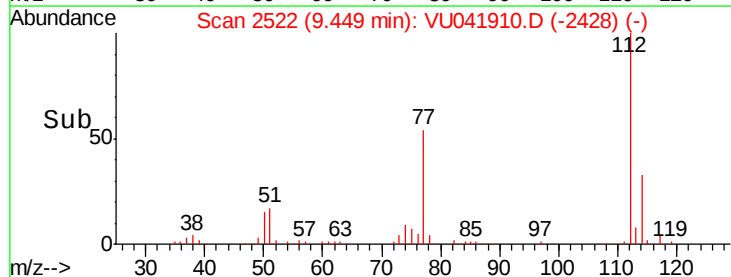
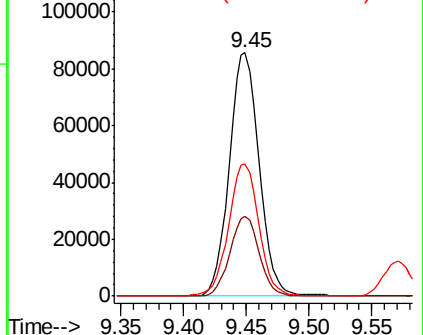


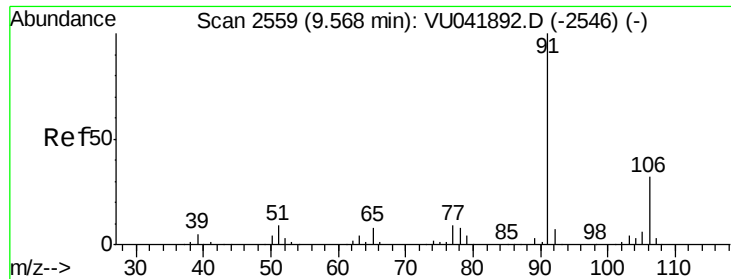
#51
 Chlorobenzene
 Concen: 5.035 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt Ion:112 Resp: 141685
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.7 42.3
 77 54.5 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.534 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

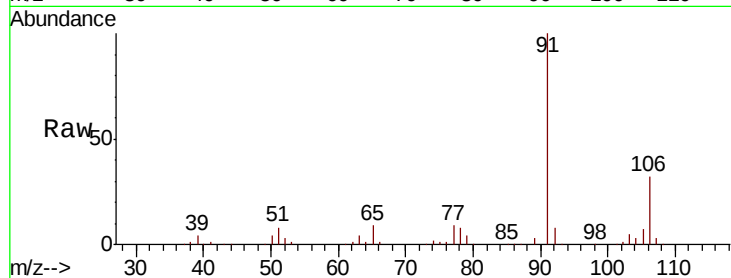
ClientSampleId :

Tot Ion: 91 Resp: 218571

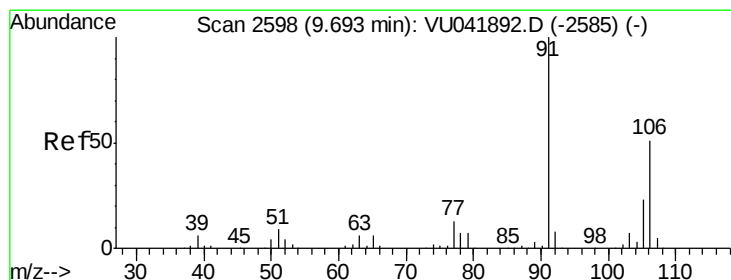
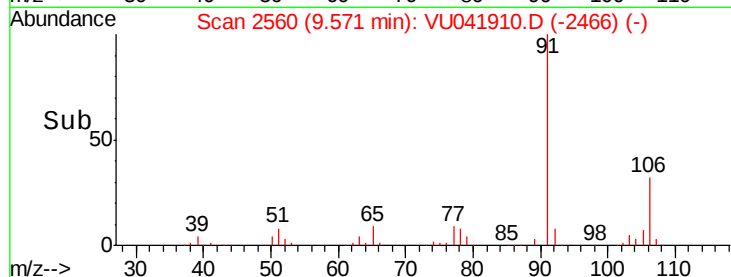
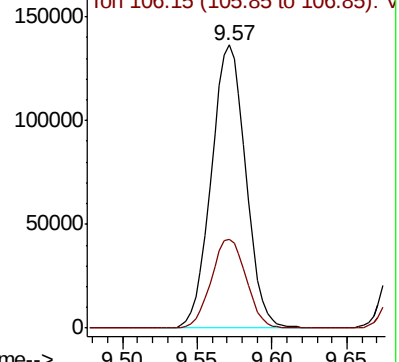
Ion Ratio Lower Upper

91 100

106 31.5 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.923 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041910.D

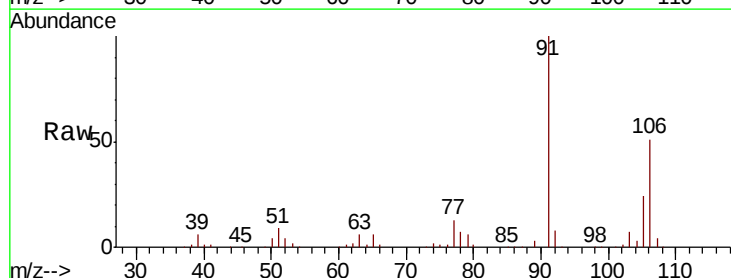
Acq: 08 Jan 2021 17:09

Tgt Ion: 106 Resp: 88502

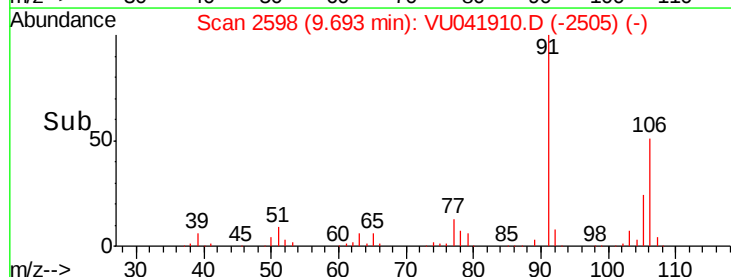
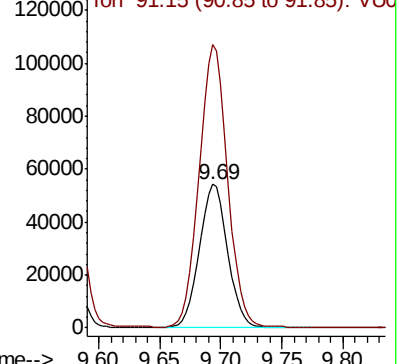
Ion Ratio Lower Upper

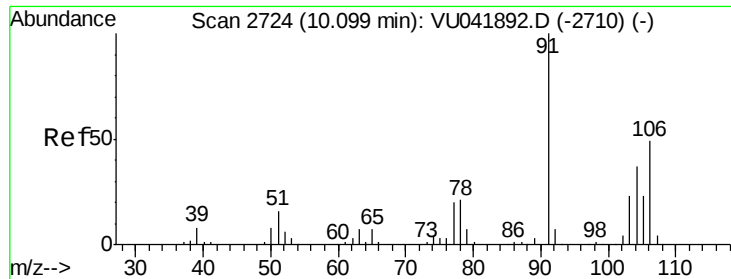
106 100

91 197.0 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041892.D (-2585) (-)

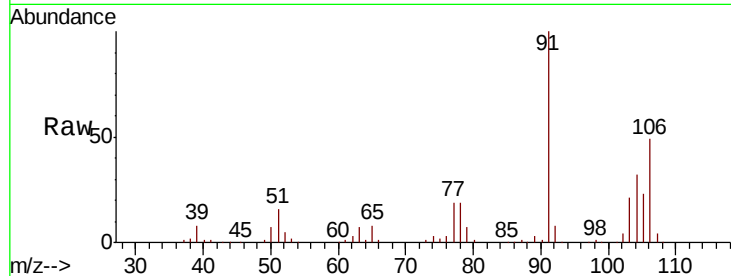




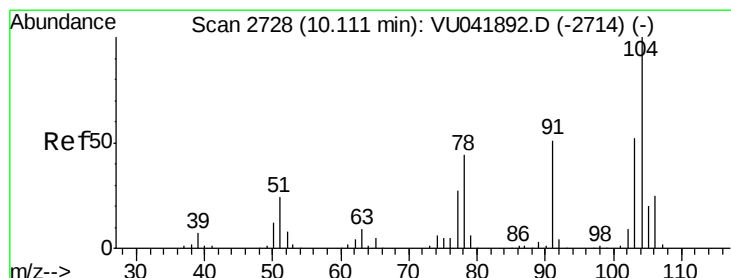
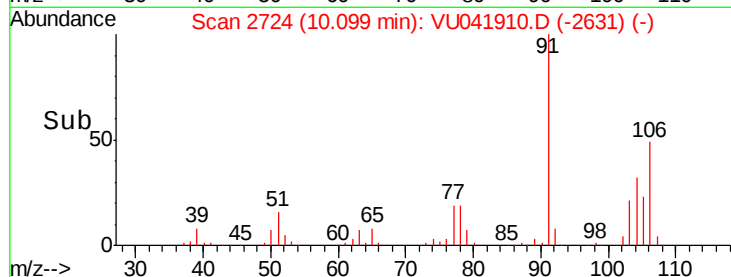
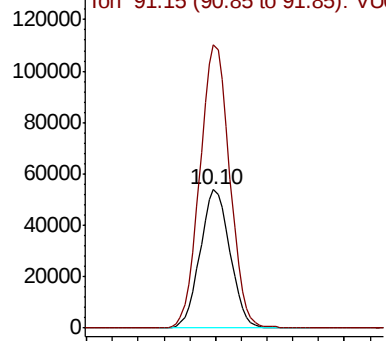
#54
o-Xylene
Concen: 4.923 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 86694
Ion Ratio Lower Upper
106 100
91 204.9 151.3 281.1

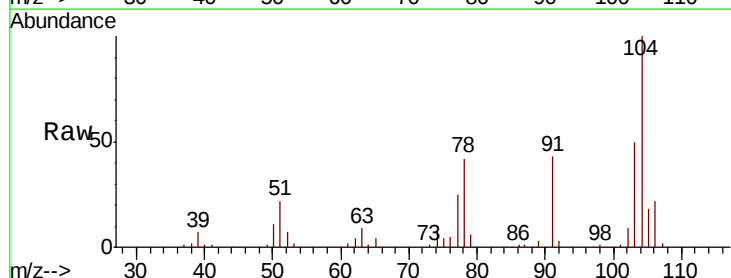


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

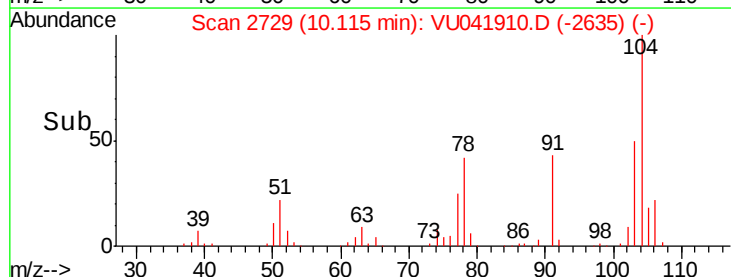
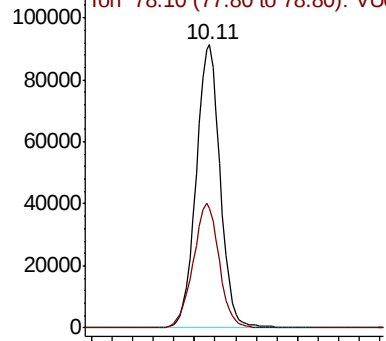


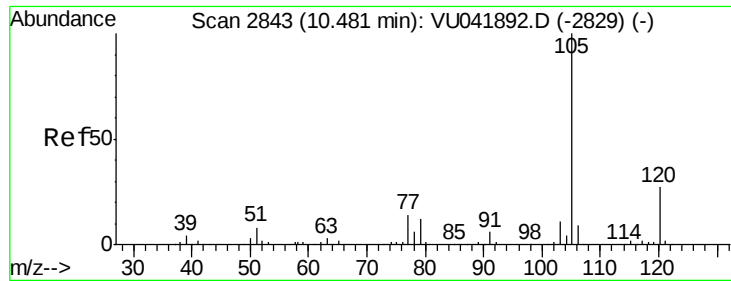
#55
Styrene
Concen: 4.874 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041910.D
Acq: 08 Jan 2021 17:09

Tgt Ion:104 Resp: 148266
Ion Ratio Lower Upper
104 100
78 42.3 31.1 57.9



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





#56

Isopropylbenzene

Concen: 4.729 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

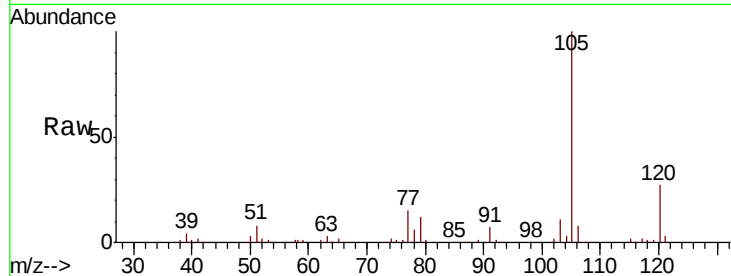
Tot Ion:105 Resp: 221644

Ion Ratio Lower Upper

105 100

120 26.9 20.5 30.7

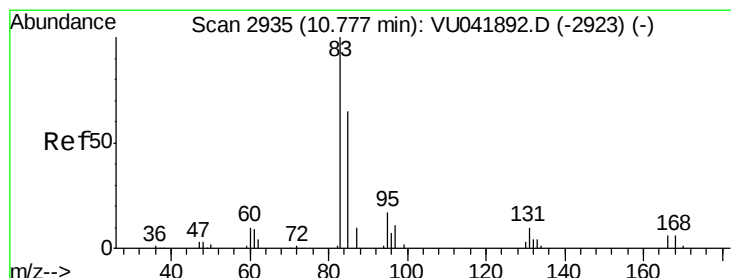
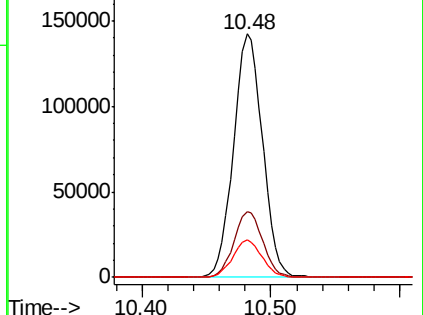
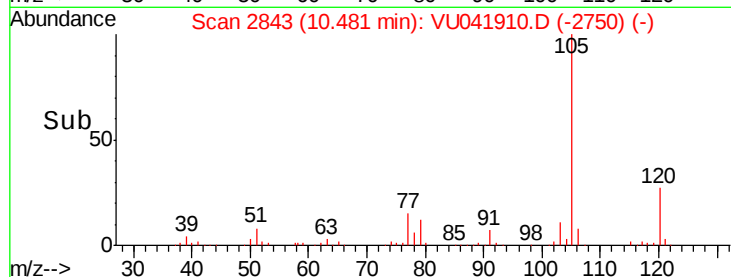
77 15.5 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.582 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

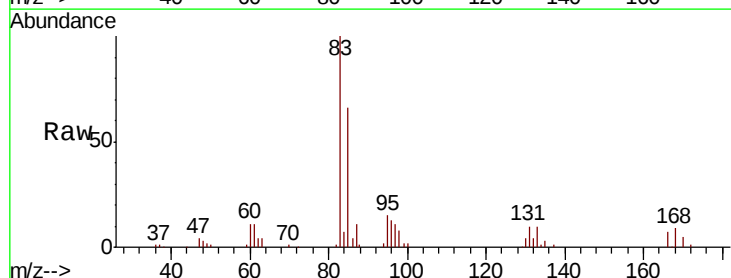
Tgt Ion: 83 Resp: 52885

Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.7

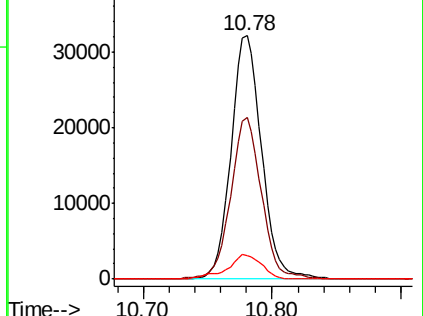
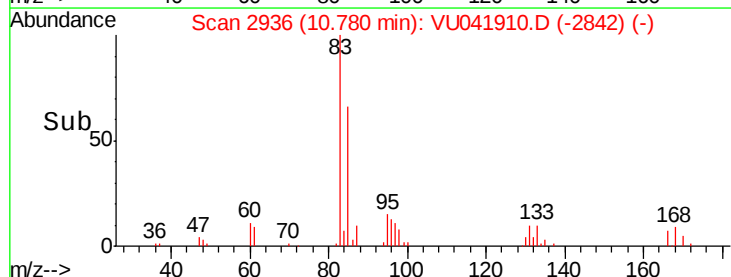
131 9.8 7.8 11.6

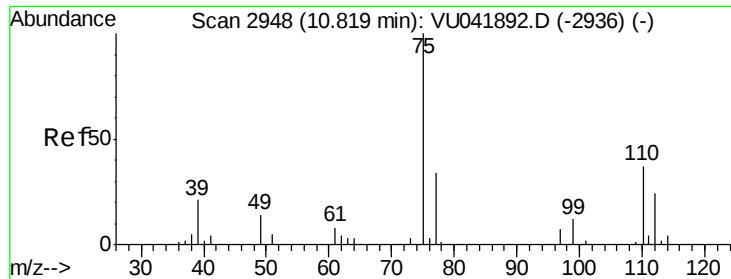


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

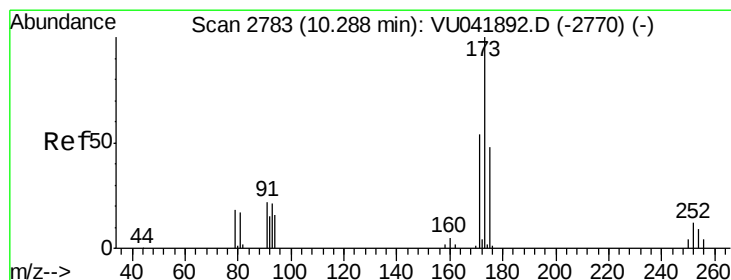
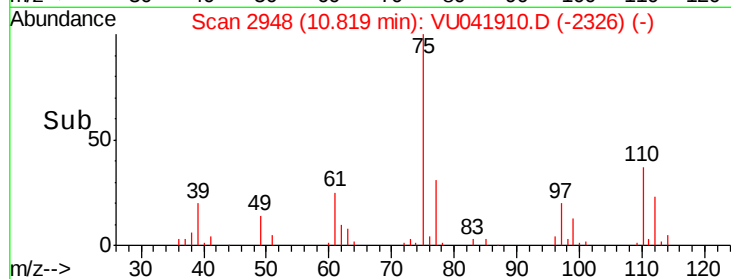
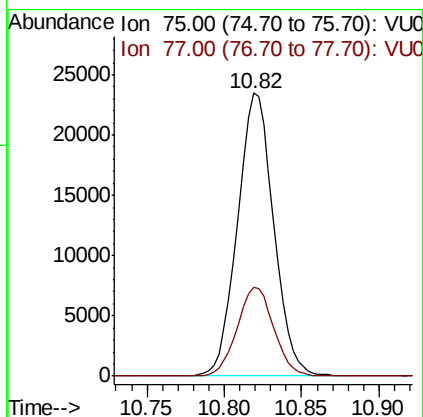
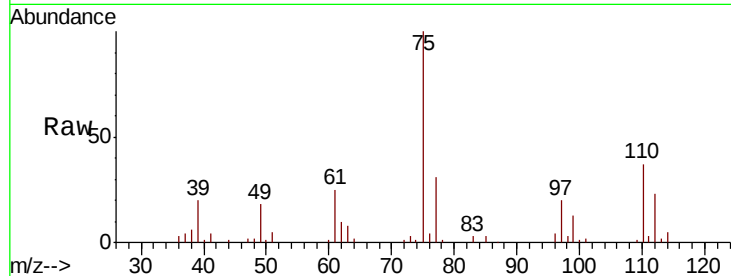




#59
 1,2,3-Trichloropropane
 Concen: 4.534 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

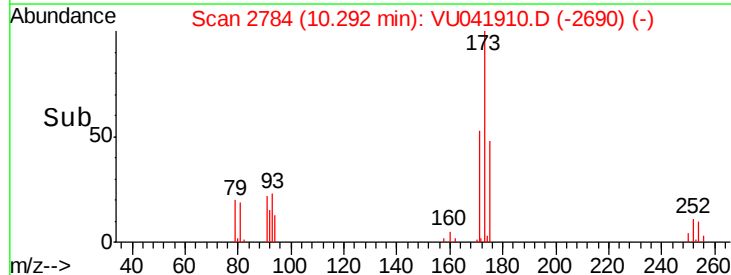
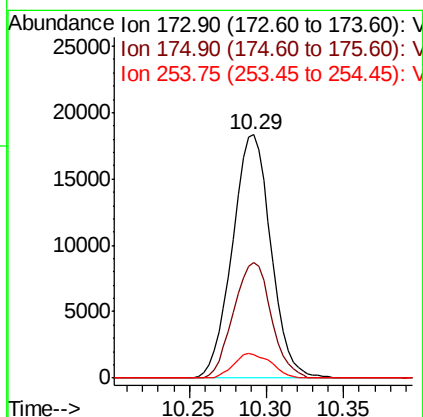
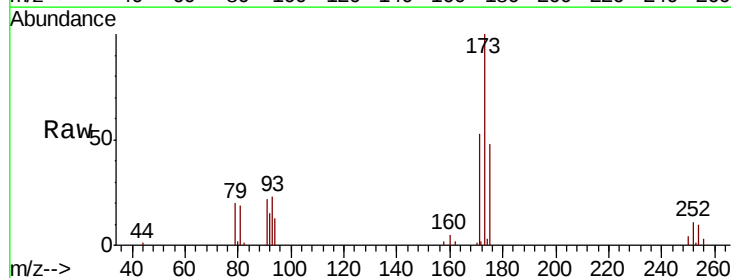
Instrument :
 MSVOA_U
 ClientSampleId :

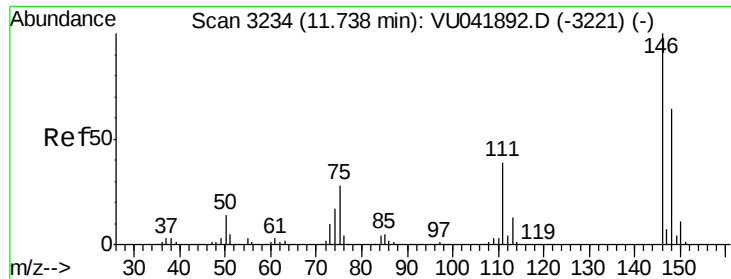
Tot Ion: 75 Resp: 38194
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.2 39.2



#61
 Bromoform
 Concen: 5.642 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt Ion: 173 Resp: 31776
 Ion Ratio Lower Upper
 173 100
 175 46.6 37.3 55.9
 254 9.6 7.4 11.2

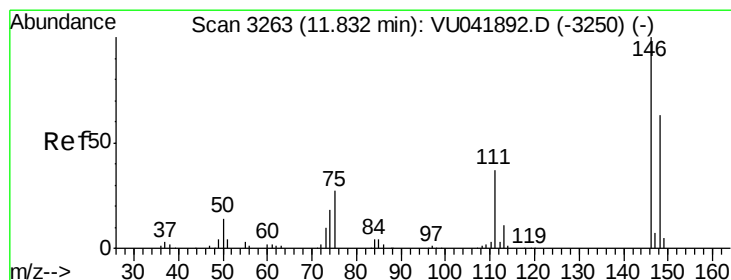
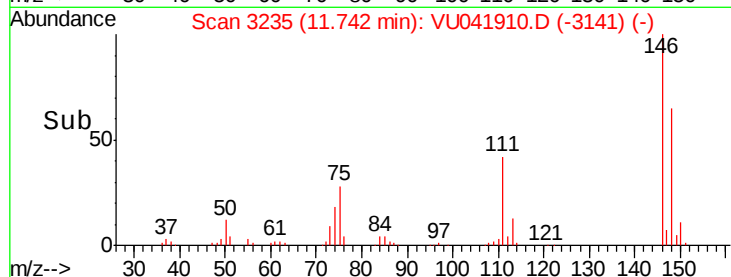
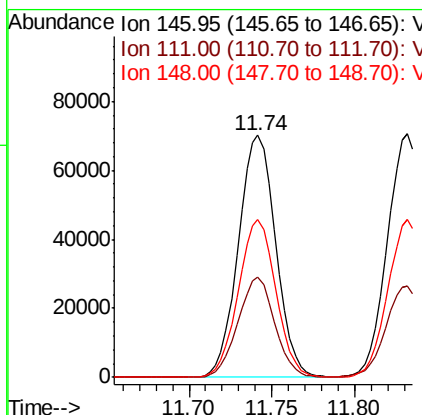
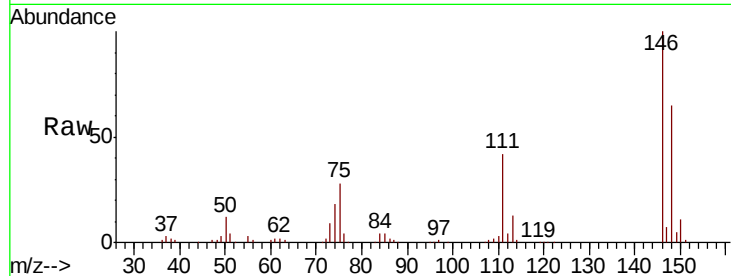




#62
 1,3-Dichlorobenzene
 Concen: 4.841 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

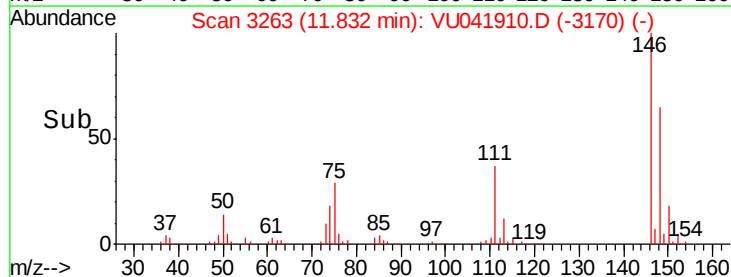
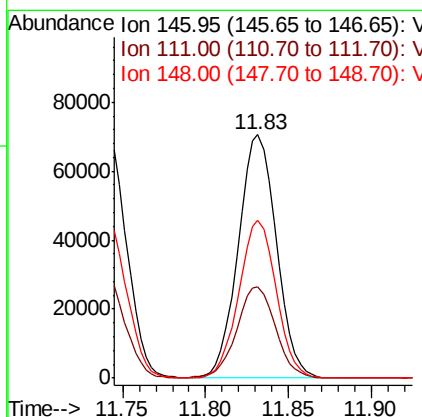
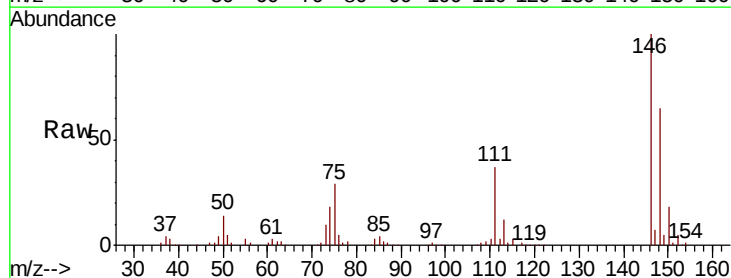
Instrument :
 MSVOA_U
 ClientSampled :

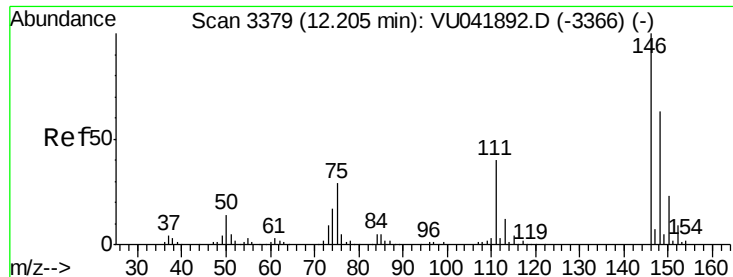
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	30.0	55.8
148	65.2	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.944 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	27.9	51.9
148	64.8	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.018 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampled :

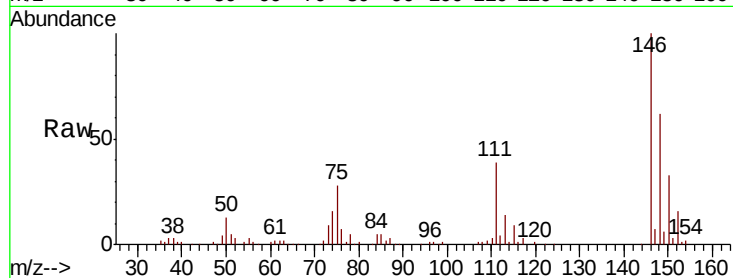
Tot Ion:146 Resp: 111961

Ion Ratio Lower Upper

146 100

111 39.1 35.0 52.6

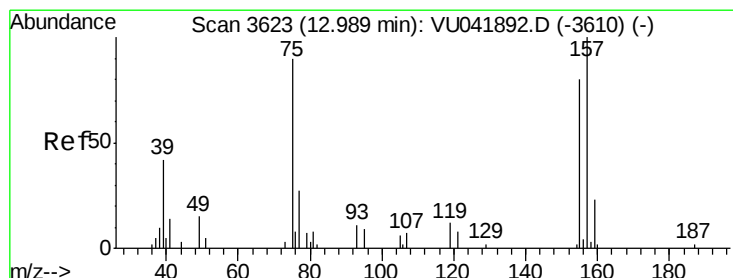
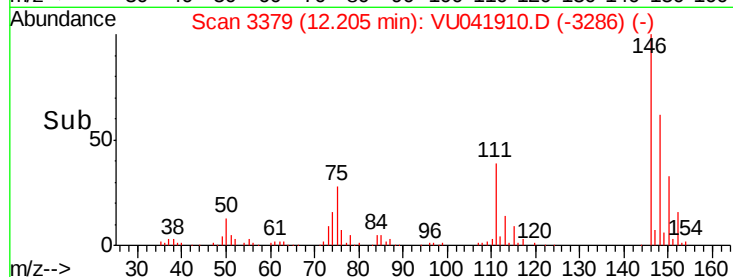
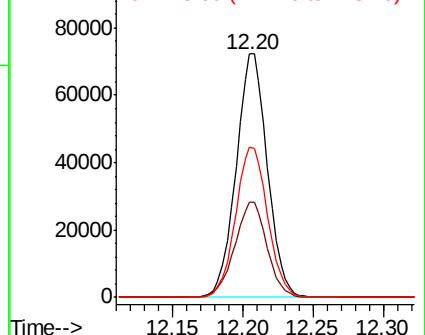
148 61.6 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.258 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

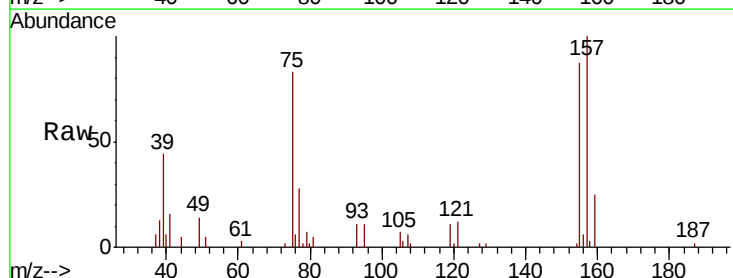
Tgt Ion: 75 Resp: 8909

Ion Ratio Lower Upper

75 100

155 105.3 57.4 86.0#

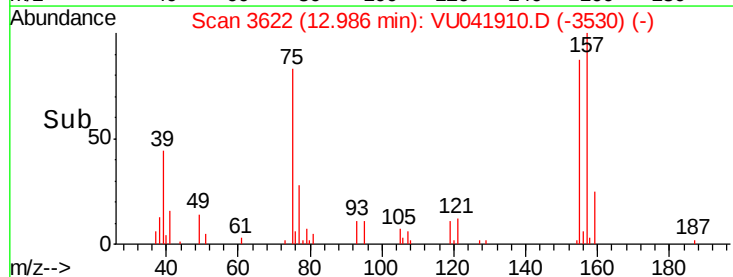
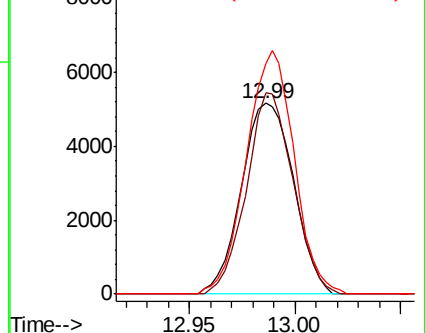
157 120.8 72.4 108.6#

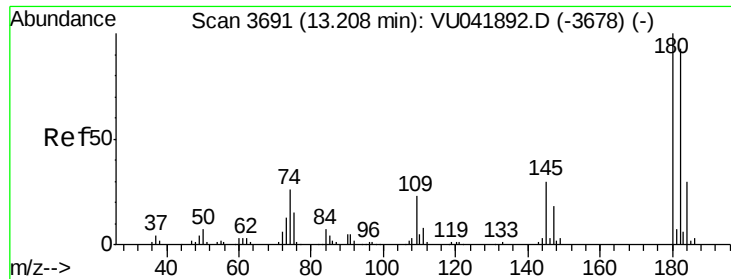


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

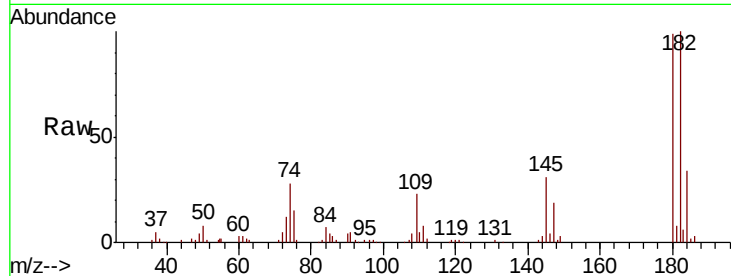




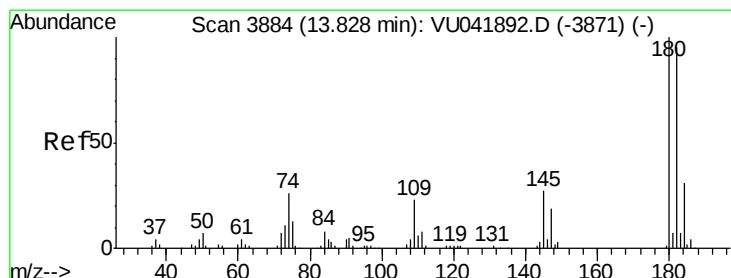
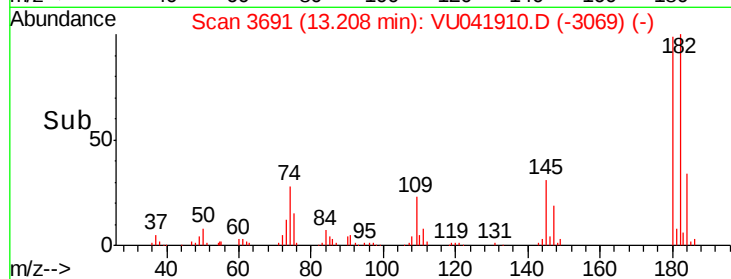
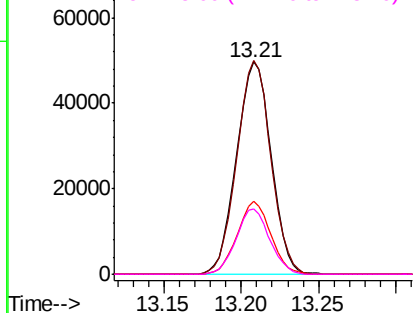
#67
 1,3,5-Trichlorobenzene
 Concen: 4.469 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	77300
Ion Ratio	Lower	Upper
180 100		
182 98.6	76.3	114.5
184 32.9	24.1	36.1
145 29.9	24.1	36.1

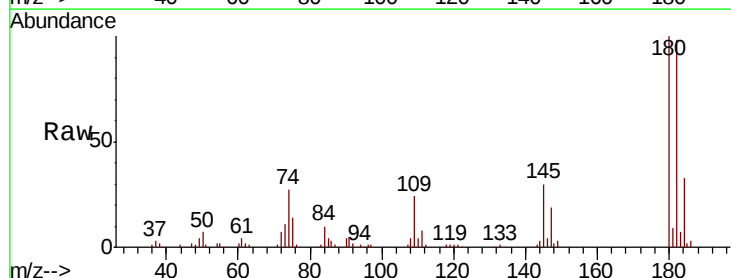


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

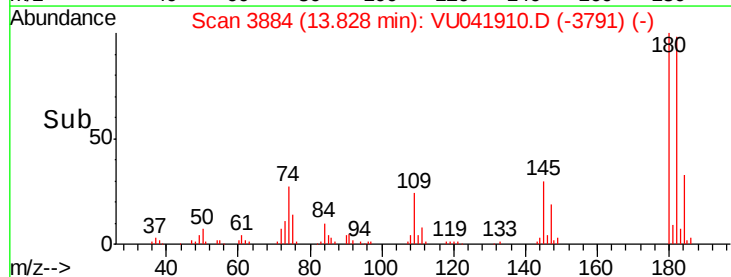
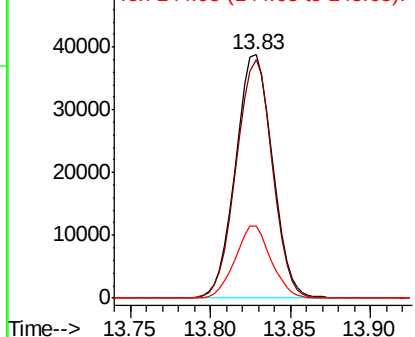


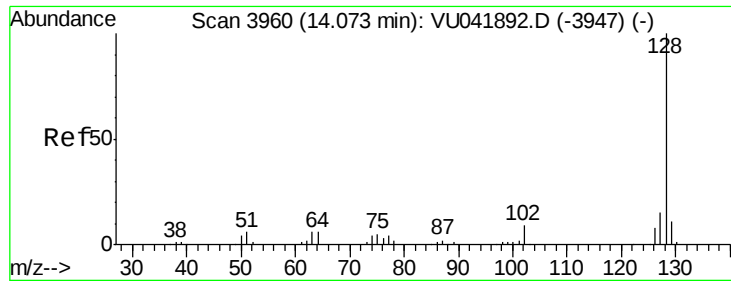
#68
 1,2,4-trichlorobenzene
 Concen: 4.197 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041910.D
 Acq: 08 Jan 2021 17:09

Tgt	Ion:180	Resp:	60917
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.0
145	28.6	24.5	36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.583 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

Instrument :

MSVOA_U

ClientSampleId :

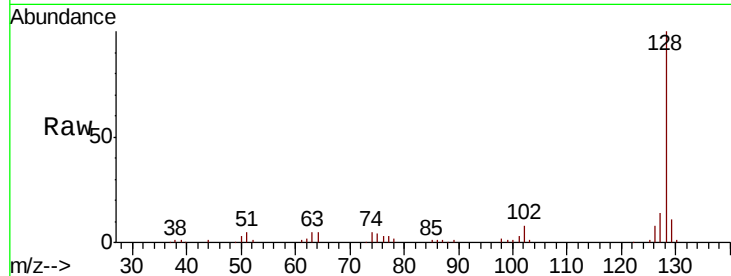
Tot Ion:128 Resp: 107646

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

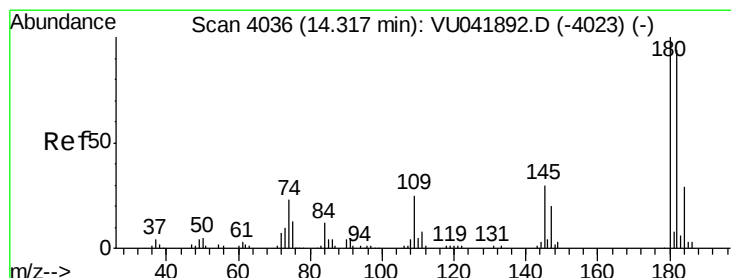
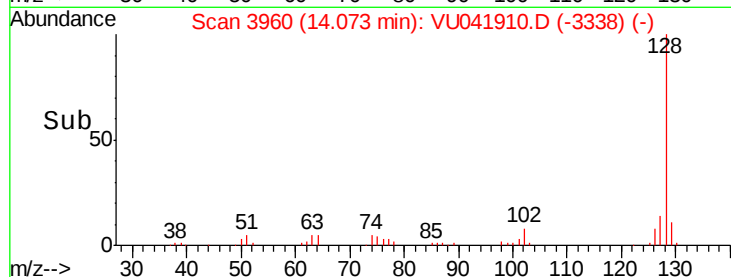
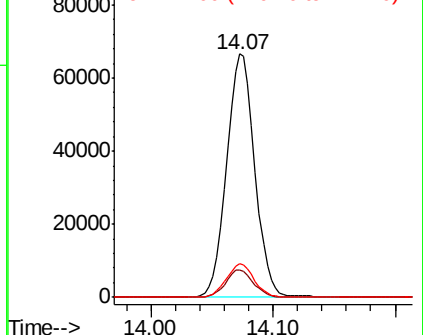
127 13.6 10.2 15.4



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: 4.503 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041910.D

Acq: 08 Jan 2021 17:09

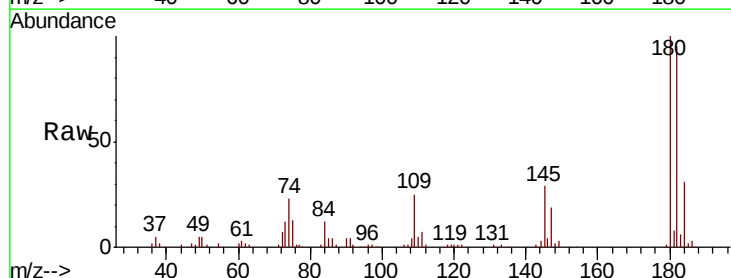
Tgt Ion:180 Resp: 62298

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

145 31.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

