

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041859.D
 Acq On : 06 Jan 2021 12:56
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 07 01:16:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 06:32:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144860	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	155744	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	77434	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48722	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.92	69	50563	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.57	65	23051	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	146832	45.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.56%
24) Chloroform-d	5.08	84	102303	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	53997	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	192184	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	60731	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.90	98	183358	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.18	79	26392	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	155091	49.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.32%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	55780	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	68877	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	67337	5.078	ug/L 100
3) Chloromethane	1.52	50	63594	5.274	ug/L 98
5) Vinyl chloride	1.61	62	75707	5.125	ug/L 97
6) Bromomethane	1.86	94	49261	4.868	ug/L 97
8) Chloroethane	1.94	64	46685	4.991	ug/L 99
9) Trichlorofluoromethane	2.14	101	103593	5.075	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58826	5.117	ug/L 97
12) 1,1-Dichloroethene	2.59	96	56828	4.986	ug/L 92
13) Acetone	2.66	43	101031	45.142	ug/L # 44
14) Carbon disulfide	2.80	76	182280	4.777	ug/L 100
15) Methyl Acetate	2.96	43	23699	4.519	ug/L 98
16) Methylene chloride	3.06	84	72369	5.010	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	120103	4.349	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	53627	4.864	ug/L 99
19) 1,1-Dichloroethane	3.88	63	96056	4.908	ug/L 97
21) 2-Butanone	4.73	43	133376	43.175	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	54523	4.762	ug/L 96

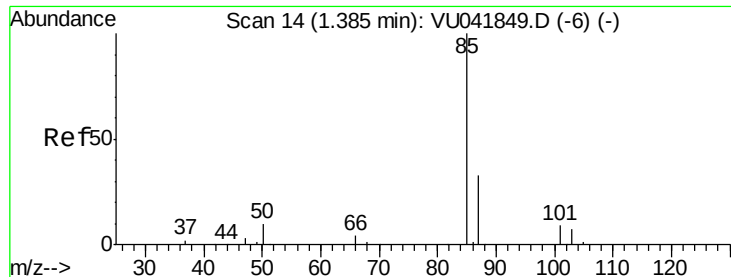
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041859.D
 Acq On : 06 Jan 2021 12:56
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 06:32:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28638	5.150	ug/L	90
25) Chloroform	5.10	83	98438	4.980	ug/L	99
27) 1,2-Dichloroethane	5.81	62	60698	4.719	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	83739	4.495	ug/L	96
30) Cyclohexane	5.40	56	75743	4.415	ug/L	96
31) Carbon tetrachloride	5.54	117	75363	4.568	ug/L	98
33) Benzene	5.78	78	214640	4.623	ug/L	100
34) Trichloroethene	6.55	95	55765	4.595	ug/L	99
35) Methylcyclohexane	6.77	83	81852	4.400	ug/L	99
37) 1,2-Dichloropropane	6.80	63	52921	4.587	ug/L	98
38) Bromodichloromethane	7.11	83	69952	4.618	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	78546	4.541	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	333180	45.118	ug/L	99
42) Toluene	7.97	91	235670	4.812	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	71851	4.539	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	43090	4.613	ug/L	99
47) Tetrachloroethene	8.56	164	44342	4.674	ug/L	96
48) 2-Hexanone	8.69	43	273083	50.570	ug/L	98
49) Dibromochloromethane	8.81	129	54692	4.867	ug/L	90
50) 1,2-Dibromoethane	8.93	107	43388	4.691	ug/L	100
51) Chlorobenzene	9.45	112	164882	5.134	ug/L	100
52) Ethylbenzene	9.57	91	254669	4.990	ug/L	99
53) m,p-Xylene	9.69	106	100415	5.017	ug/L	98
54) o-Xylene	10.10	106	93277	4.892	ug/L	96
55) Styrene	10.11	104	161540	4.920	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	52394	4.269	ug/L	95
59) Bromoform	10.29	173	31349	4.699	ug/L	95
60) Isopropylbenzene	10.48	105	240909	4.972	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	38348	4.411	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	196909	4.951	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	200104	5.067	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	120129	5.127	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	122000	5.123	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	114462	4.912	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	8316	4.156	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	89306	5.086	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	67602	5.278	ug/L	98
71) Naphthalene	14.08	128	103591	4.585	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	63814	5.217	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.078 ug/L

RT: 1.39 min Scan# 14

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

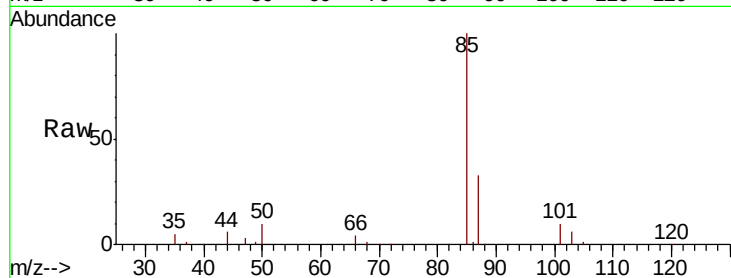
ClientSampleId :

Tot Ion: 85 Resp: 67337

Ion Ratio Lower Upper

85 100

87 32.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

80000

60000

40000

20000

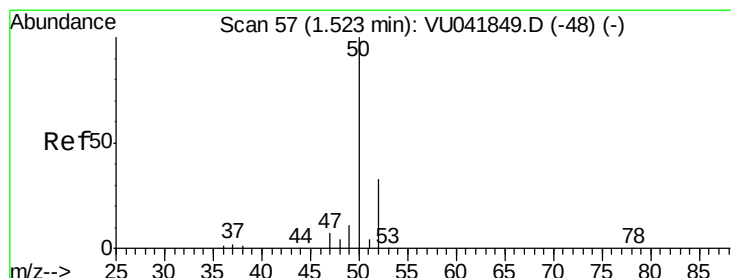
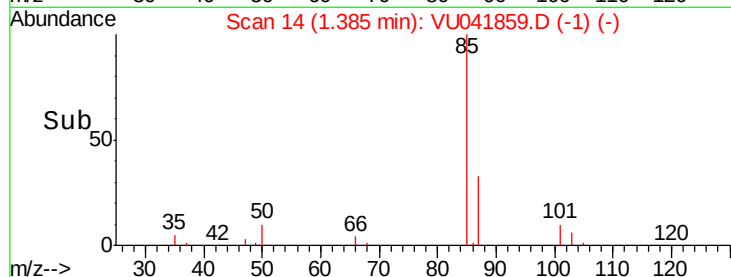
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 5.274 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041859.D

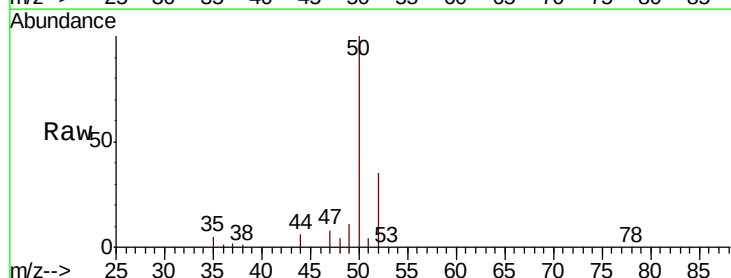
Acq: 06 Jan 2021 12:56

Tgt Ion: 50 Resp: 63594

Ion Ratio Lower Upper

50 100

52 34.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

60000

40000

20000

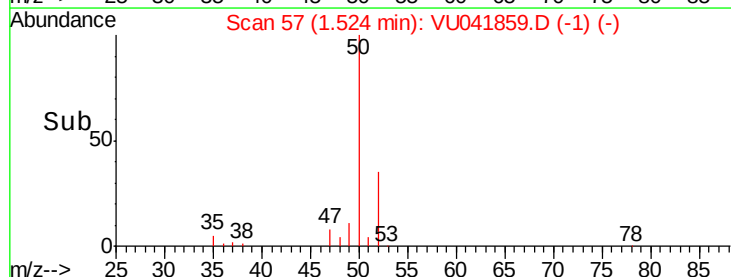
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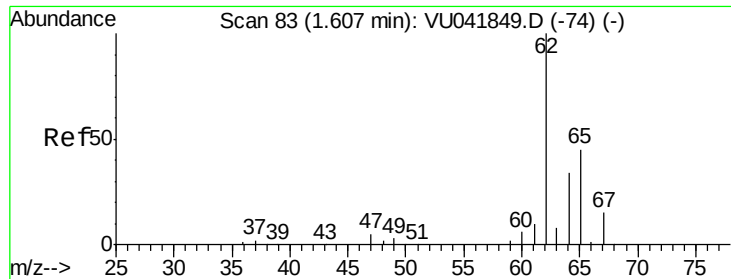
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 5.125 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

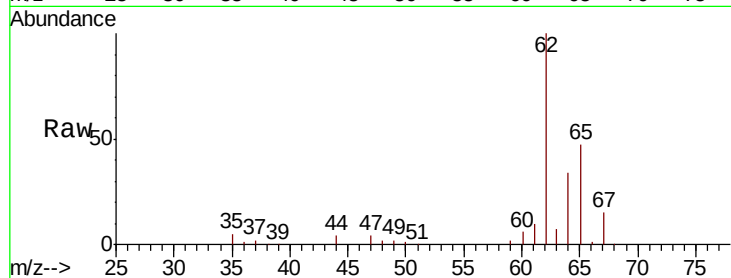
ClientSampleId :

Tot Ion: 62 Resp: 75707

Ion Ratio Lower Upper

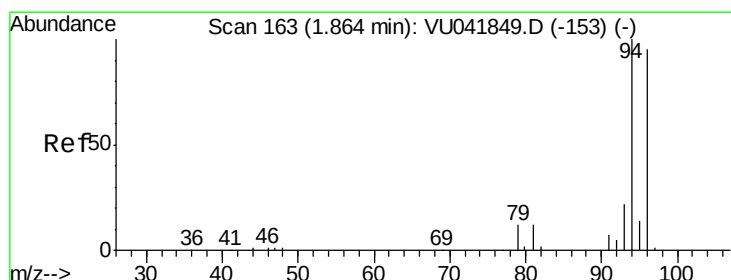
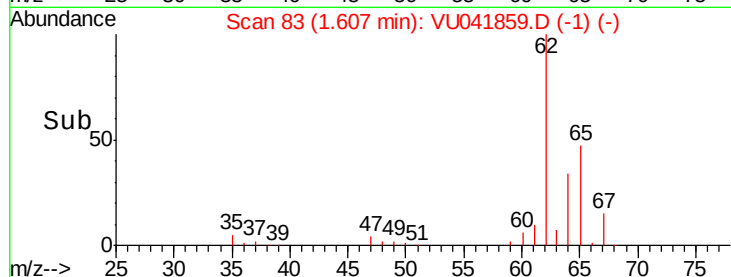
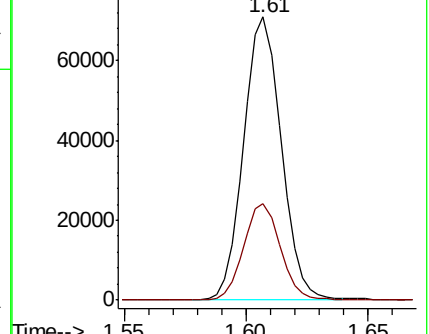
62 100

64 34.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.868 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU041859.D

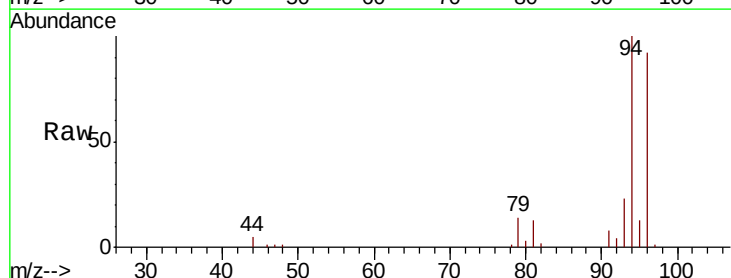
Acq: 06 Jan 2021 12:56

Tgt Ion: 94 Resp: 49261

Ion Ratio Lower Upper

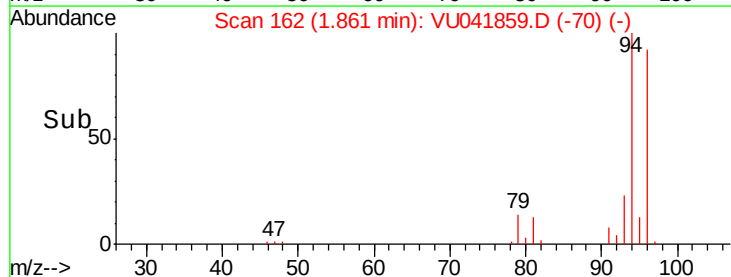
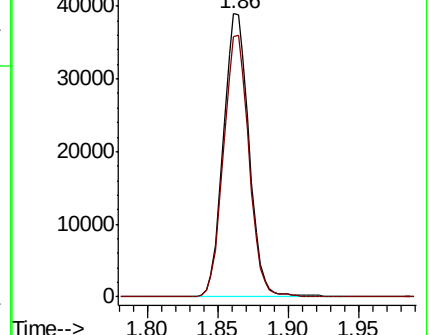
94 100

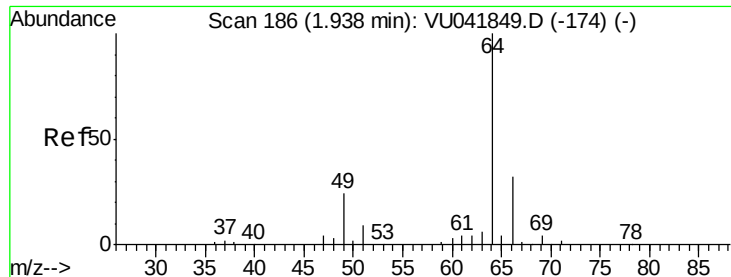
96 92.0 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.991 ug/L

RT: 1.94 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

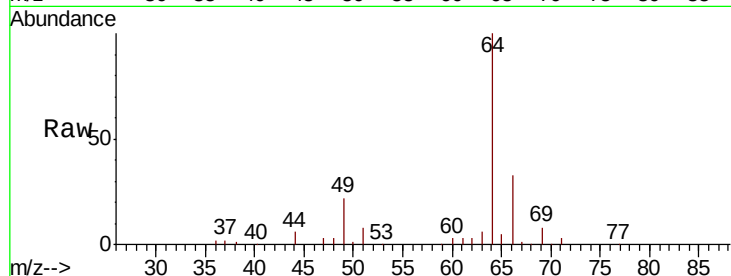
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 46685

Ion Ratio Lower Upper

64 100

66 32.7 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU041849.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU041849.D (-174) (-)

1.94

40000

30000

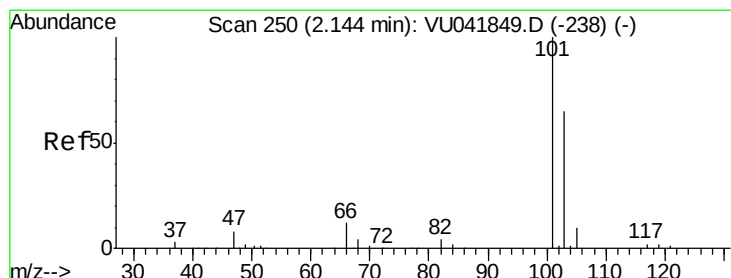
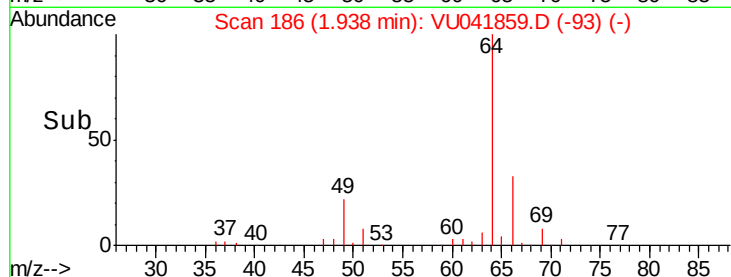
20000

10000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 5.075 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.00 min

Lab File: VU041859.D

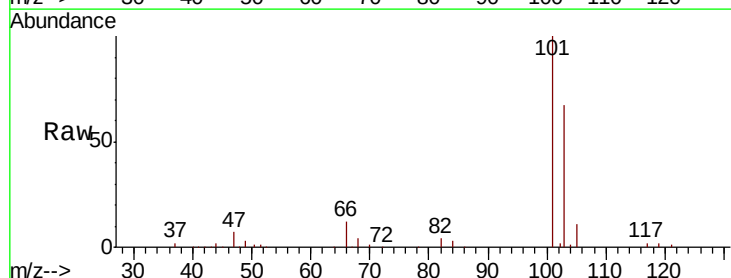
Acq: 06 Jan 2021 12:56

Tgt Ion:101 Resp: 103593

Ion Ratio Lower Upper

101 100

103 66.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU041849.D (-238) (-)

Ion 103.00 (102.70 to 103.70): VU041849.D (-238) (-)

2.14

80000

60000

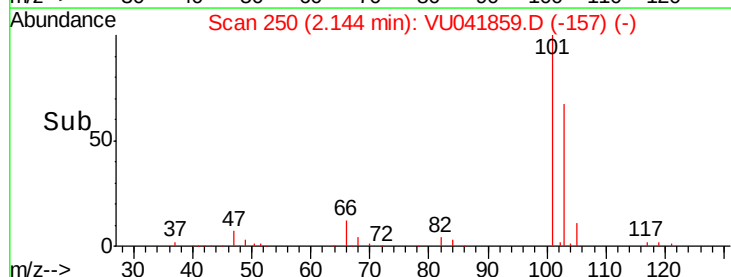
40000

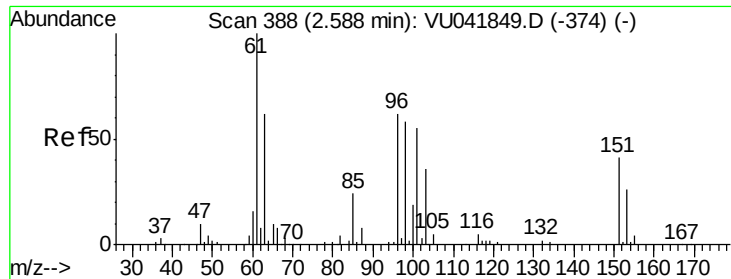
20000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 5.117 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

ClientSampleId :

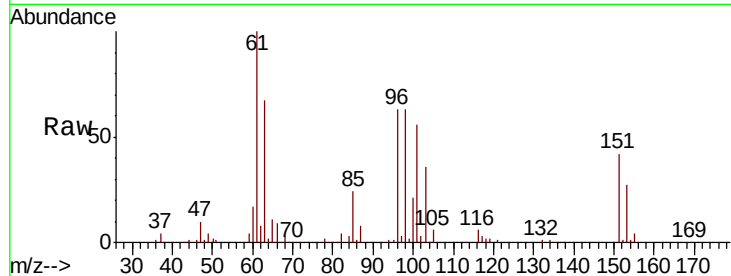
Tot Ion:101 Resp: 58826

Ion Ratio Lower Upper

101 100

85 42.6 34.5 51.7

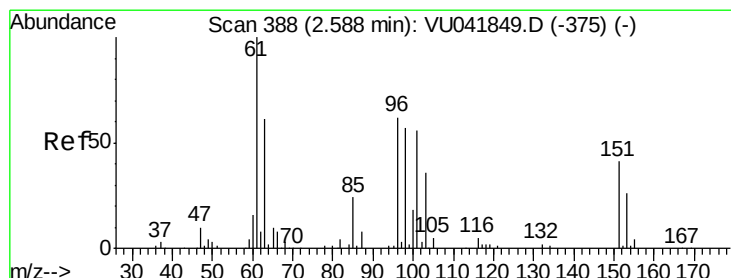
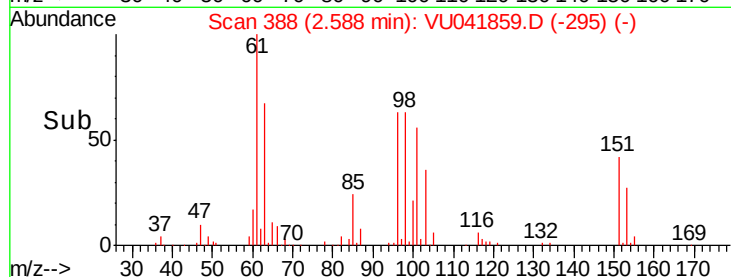
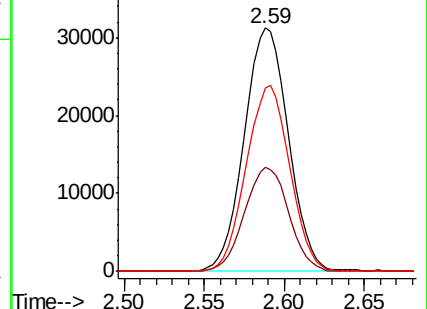
151 75.5 57.4 86.2



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: 4.986 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

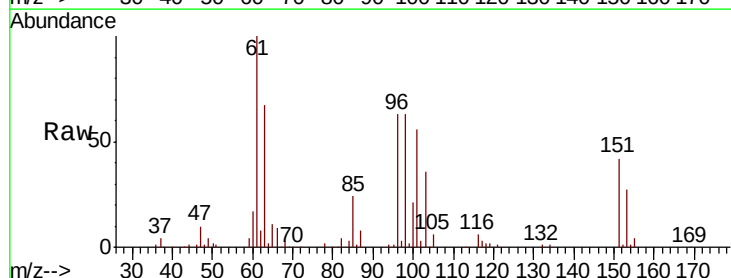
Tgt Ion: 96 Resp: 56828

Ion Ratio Lower Upper

96 100

61 158.1 115.1 213.7

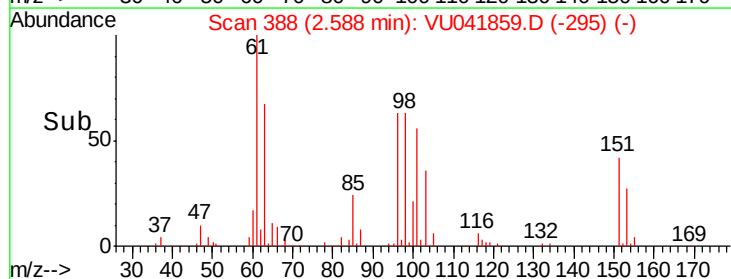
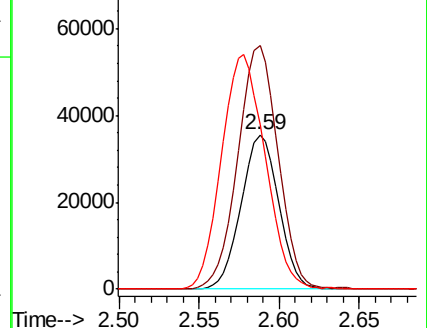
63 106.6 84.1 156.1

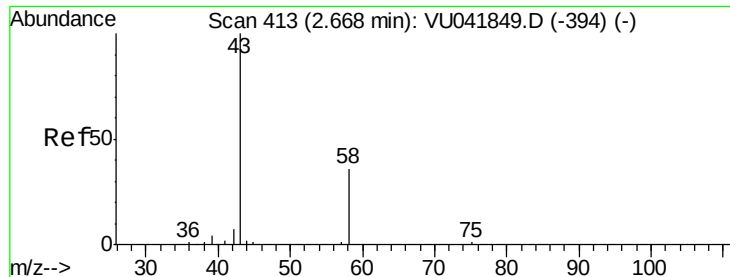


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.142 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

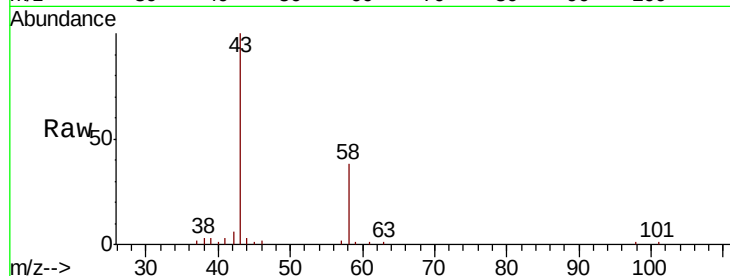
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 101031

Ion Ratio Lower Upper

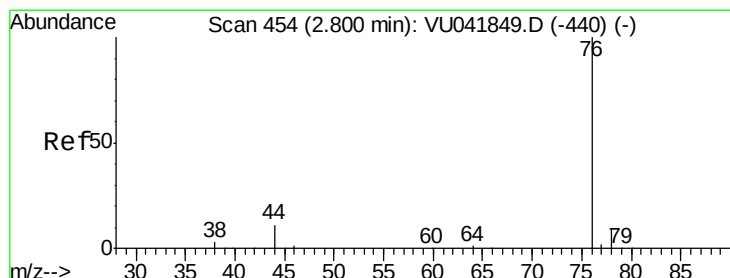
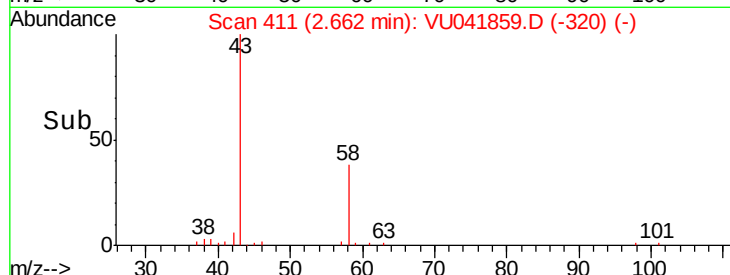
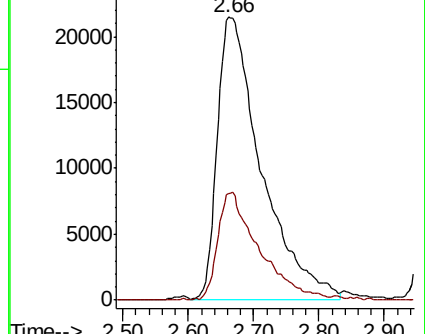
43 100

58 34.6 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU041849.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU041849.D (-394) (-)



#14

Carbon disulfide

Concen: 4.777 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041859.D

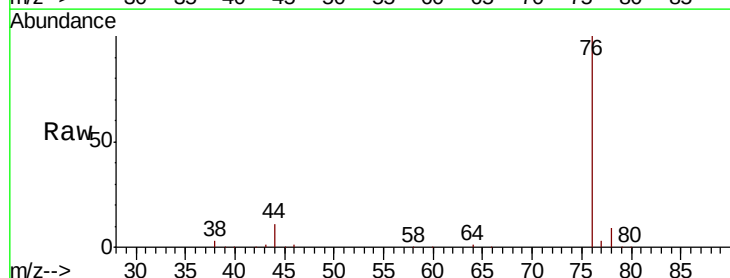
Acq: 06 Jan 2021 12:56

Tgt Ion: 76 Resp: 182280

Ion Ratio Lower Upper

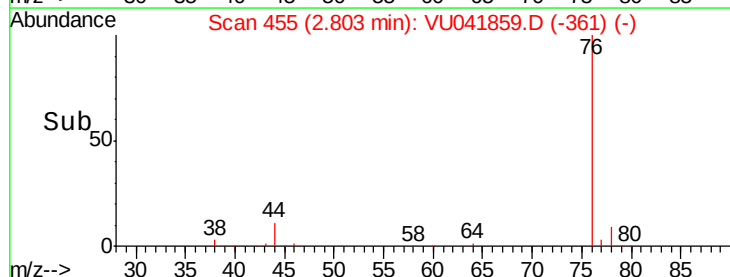
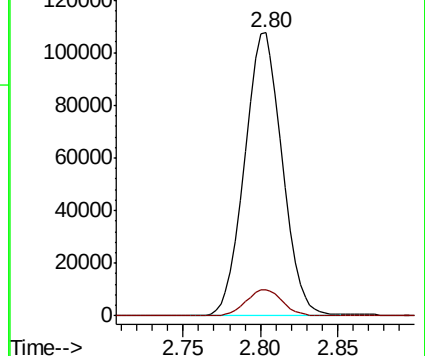
76 100

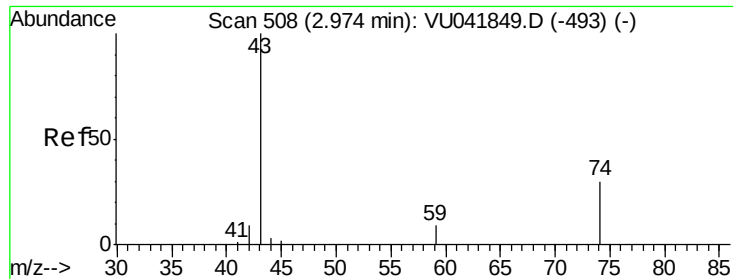
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041849.D (-440) (-)

Ion 78.00 (77.70 to 78.70): VU041849.D (-440) (-)

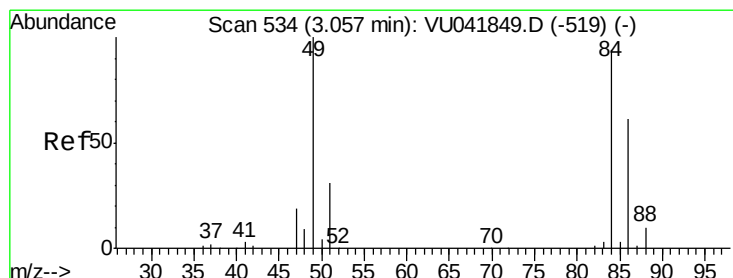
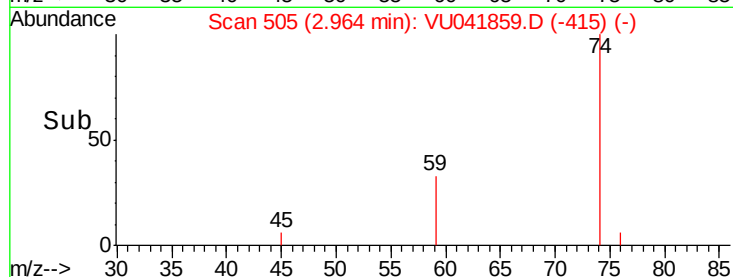
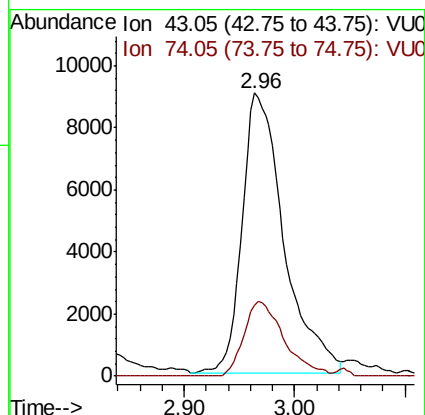
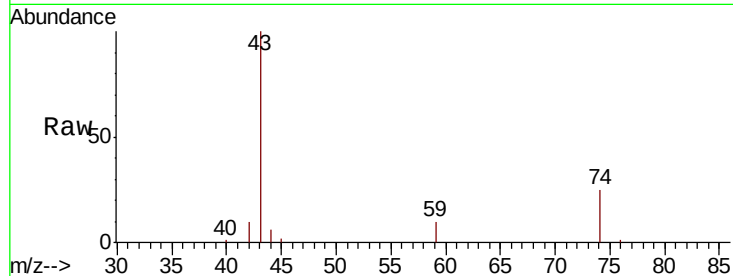




#15
Methvl Acetate
Concen: 4.519 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.01 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

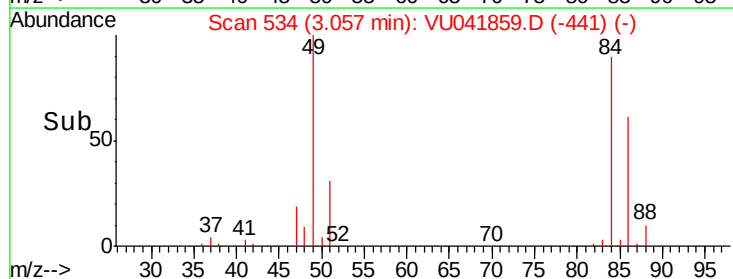
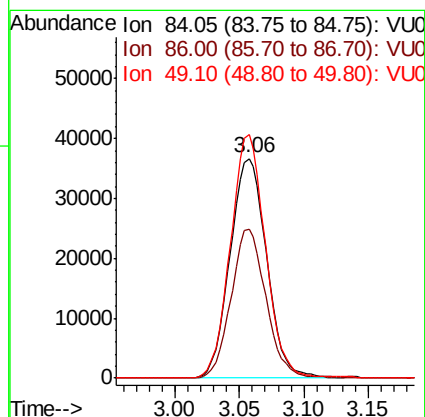
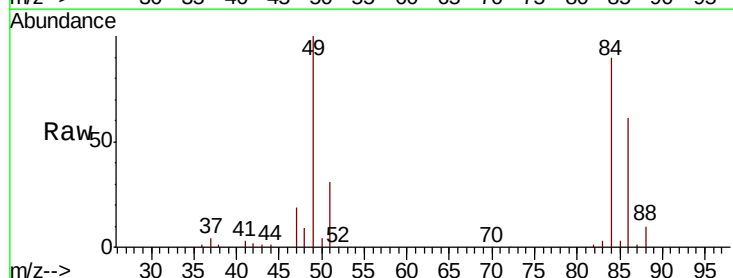
Instrument :
MSVOA_U
ClientSampled :

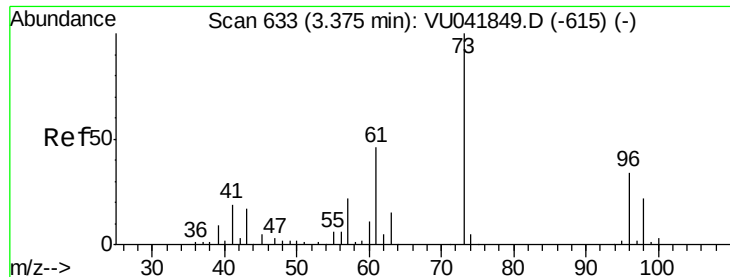
Tot Ion: 43 Resp: 23699
Ion Ratio Lower Upper
43 100
74 25.8 21.5 32.3



#16
Methylene chloride
Concen: 5.010 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion: 84 Resp: 72369
Ion Ratio Lower Upper
84 100
86 68.0 44.9 83.5
49 110.7 79.0 146.8

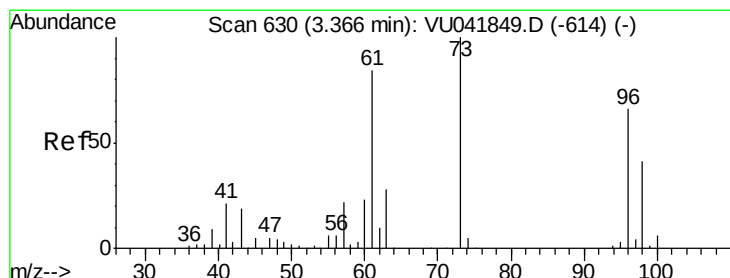
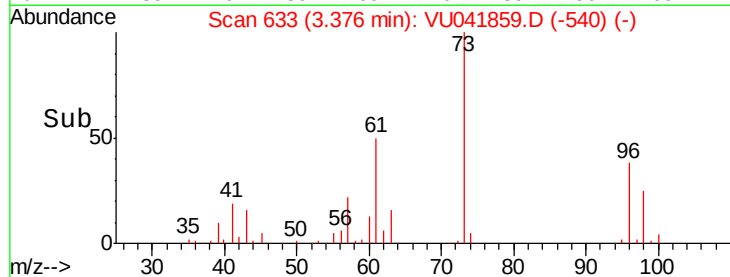
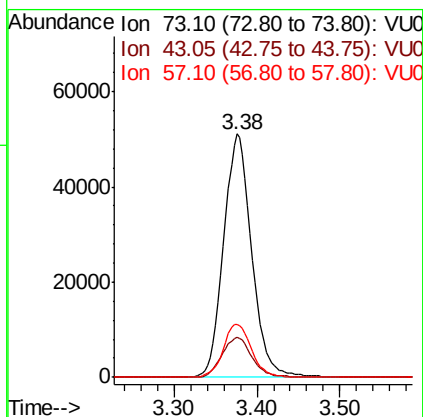
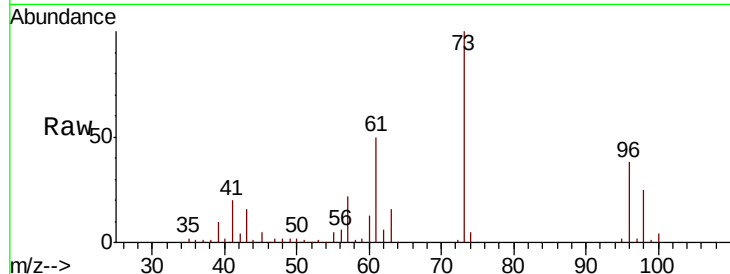




#17
Methyl tert-butyl Ether
Concen: 4.349 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

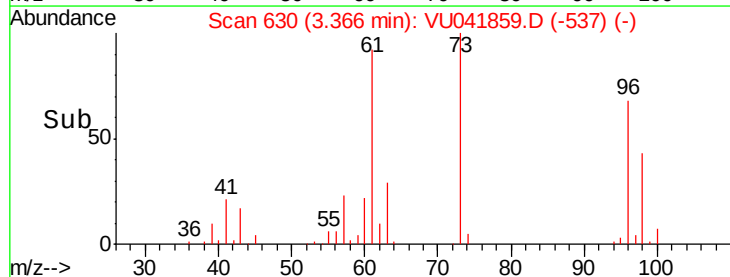
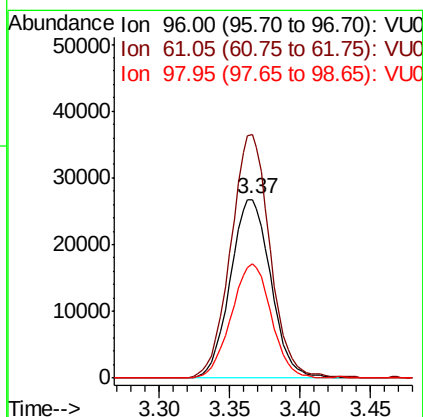
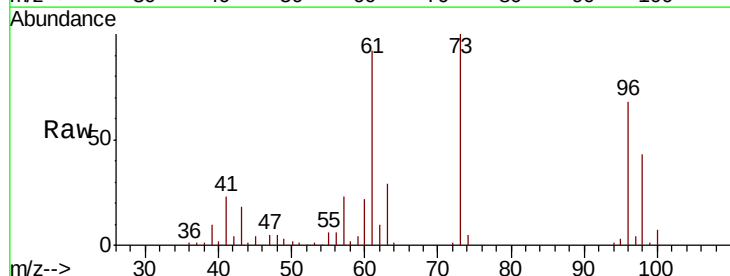
Instrument :
MSVOA_U
ClientSampleId :

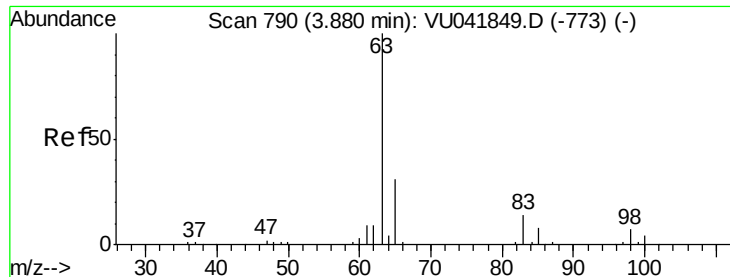
Tot Ion: 73 Resp: 120103
Ion Ratio Lower Upper
73 100
43 17.2 15.0 22.4
57 21.7 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.864 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion: 96 Resp: 53627
Ion Ratio Lower Upper
96 100
61 136.5 96.6 179.4
98 63.8 44.7 82.9

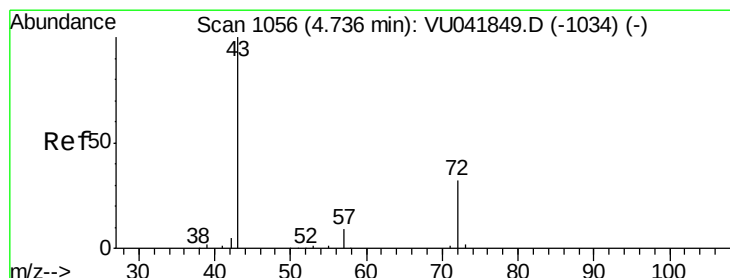
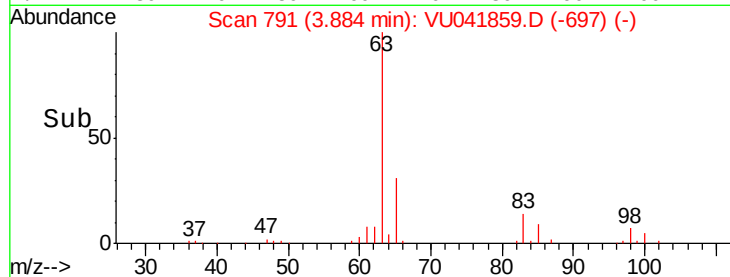
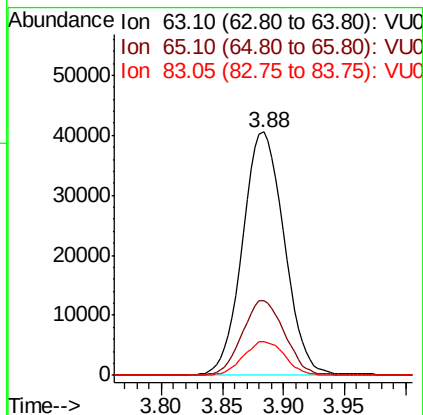
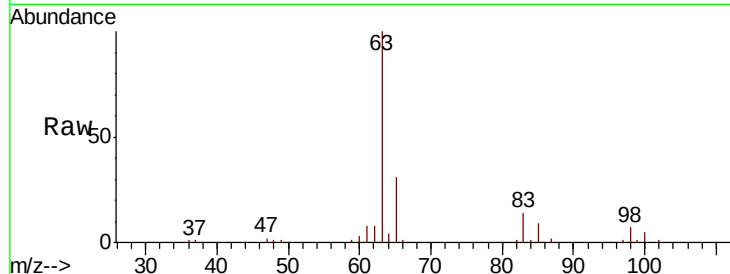




#19
 1,1-Dichloroethane
 Concen: 4.908 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

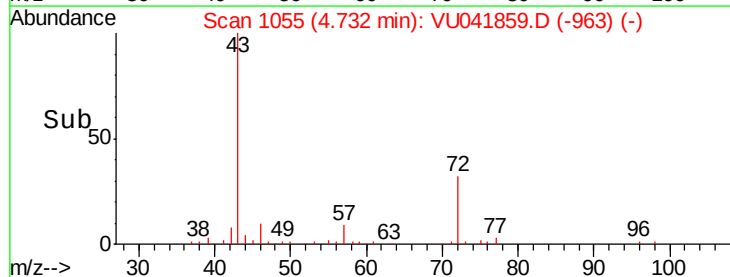
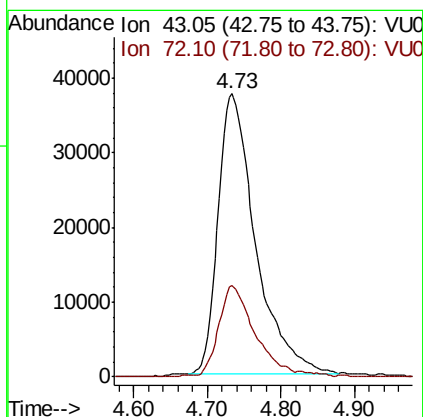
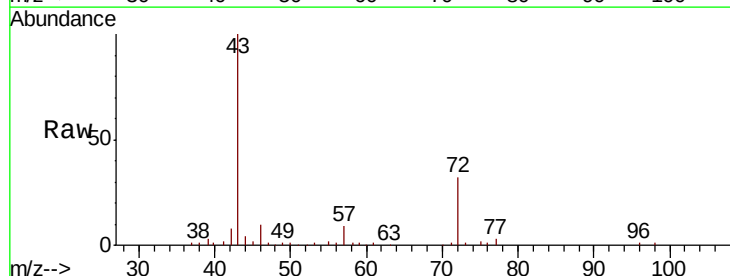
Instrument :
 MSVOA_U
 ClientSampled :

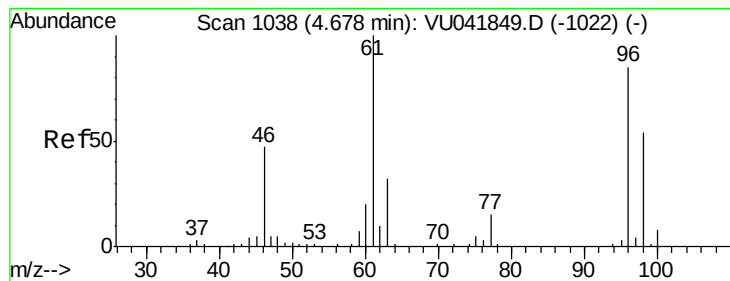
Tot Ion: 63 Resp: 96056
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.2 43.0
 83 13.8 9.9 18.3



#21
 2-Butanone
 Concen: 43.175 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion: 43 Resp: 133376
 Ion Ratio Lower Upper
 43 100
 72 31.2 15.8 47.3





#22

cis-1,2-Dichloroethene

Concen: 4.762 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :
MSVOA_U
ClientSampleId :

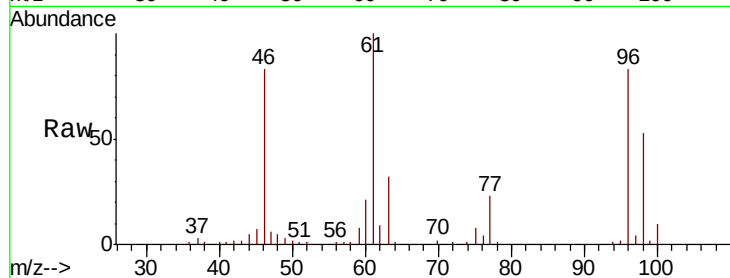
Tot Ion: 96 Resp: 54523

Ion Ratio Lower Upper

96 100

61 120.8 87.4 162.4

98 63.8 47.7 88.5

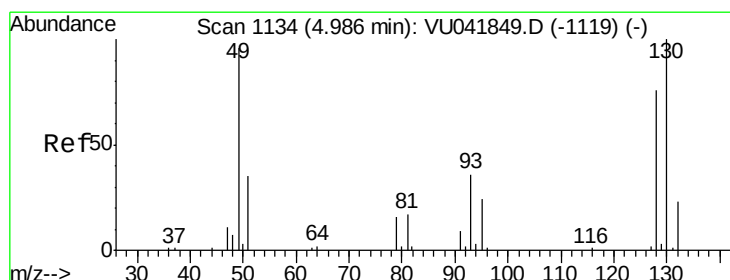
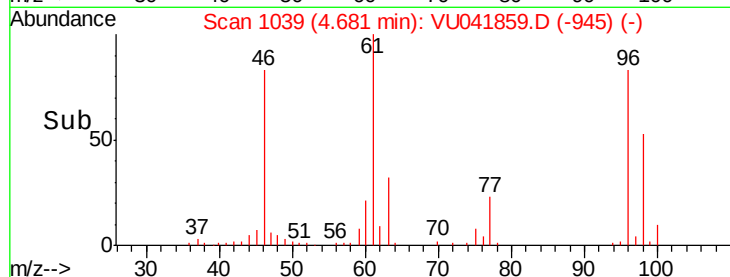
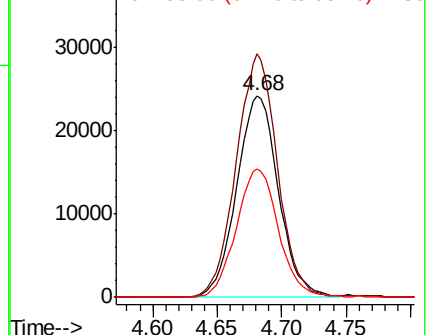


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 5.150 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Tgt Ion:128 Resp: 28638

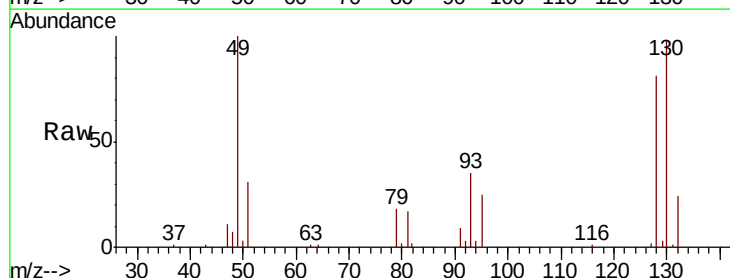
Ion Ratio Lower Upper

128 100

49 123.3 96.4 179.0

130 120.6 91.2 169.4

51 38.3 35.0 52.6



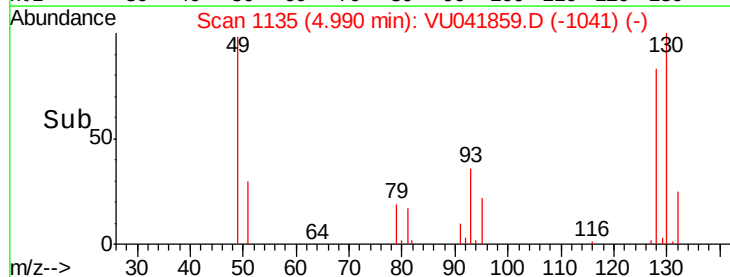
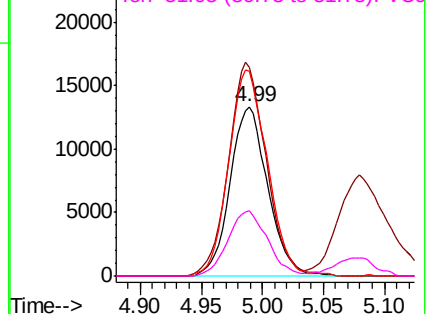
Abundance

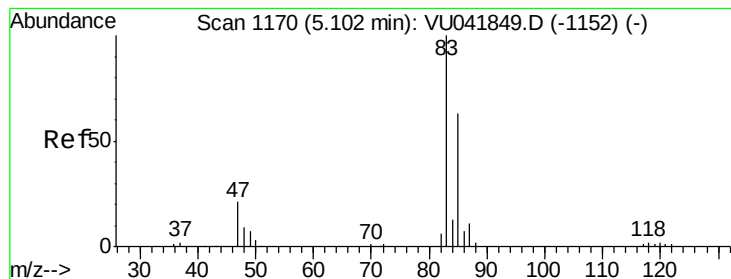
Ion 127.90 (127.60 to 128.60): V

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: 4.980 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

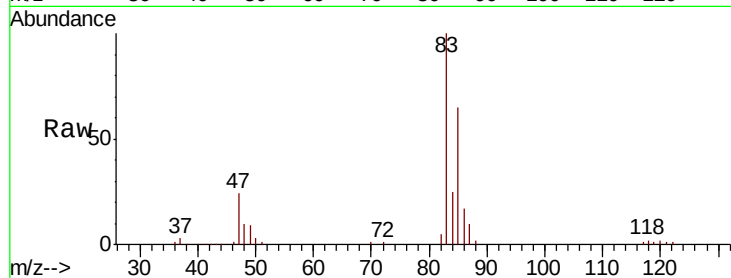
ClientSampled :

Tot Ion: 83 Resp: 98438

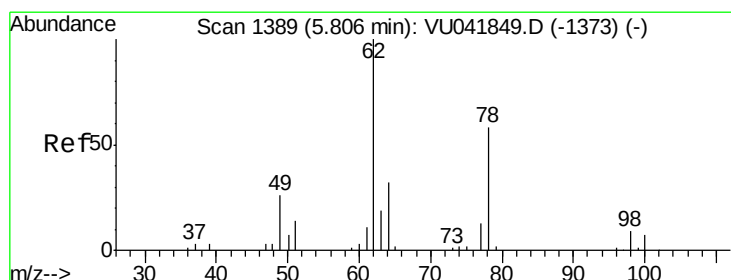
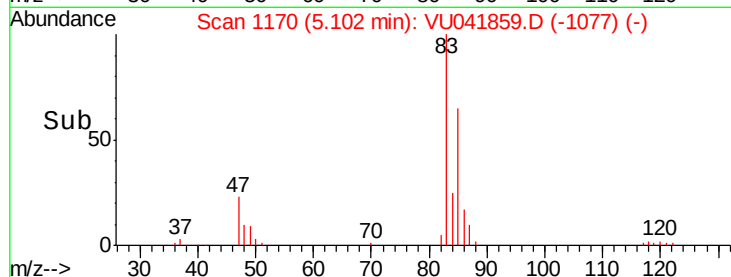
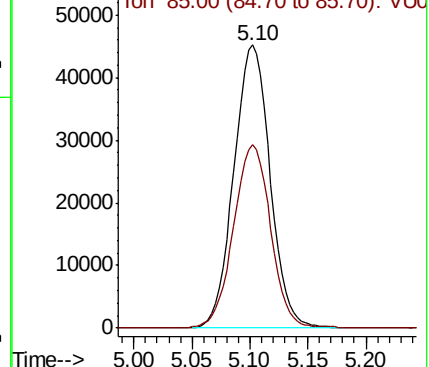
Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8



Abundance Ion 83.05 (82.75 to 83.75): VU041859.D (-1152) (-)



#27

1,2-Dichloroethane

Concen: 4.719 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU041859.D

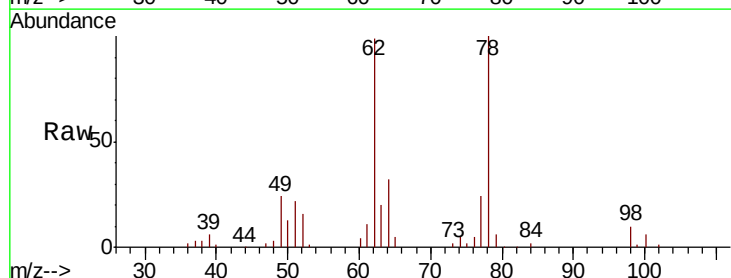
Acq: 06 Jan 2021 12:56

Tgt Ion: 62 Resp: 60698

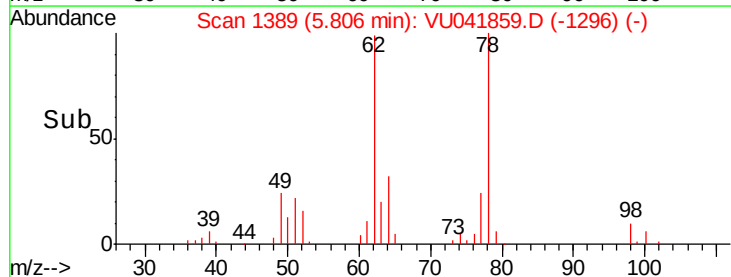
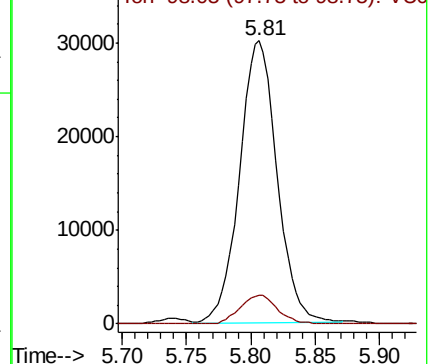
Ion Ratio Lower Upper

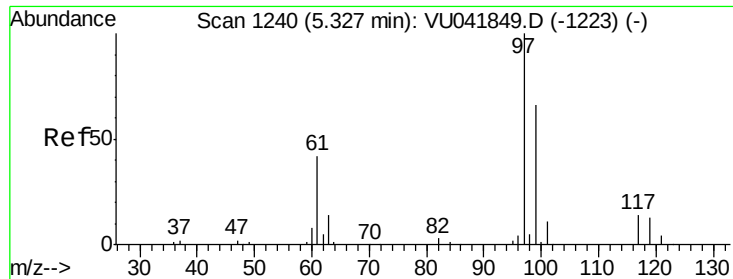
62 100

98 10.2 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU041859.D (-1373) (-)

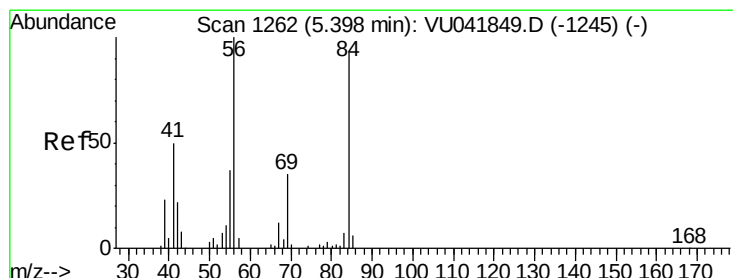
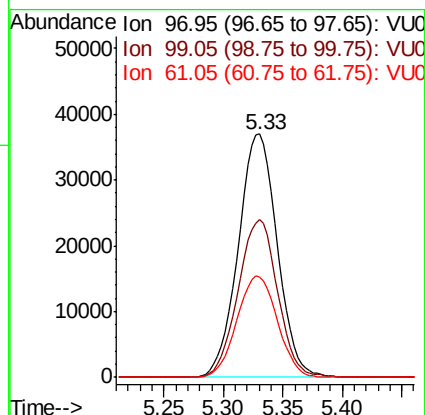
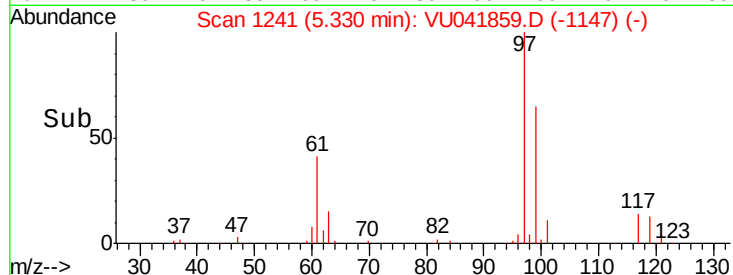
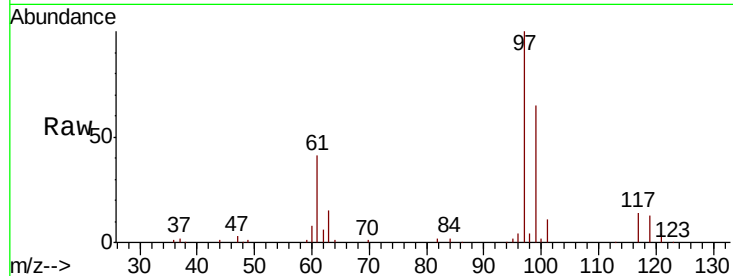




#29
 1,1,1-Trichloroethane
 Concen: 4.495 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

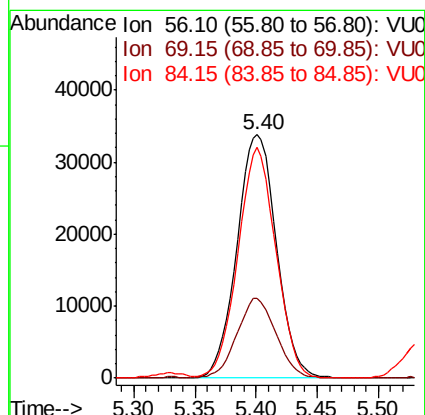
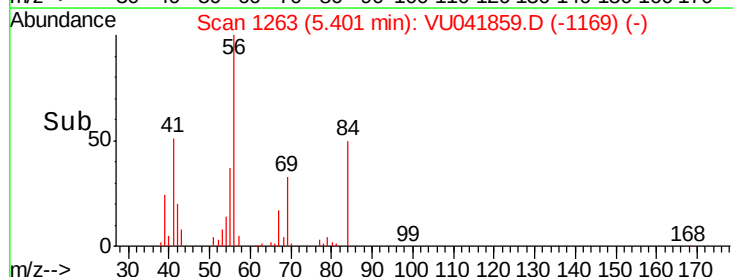
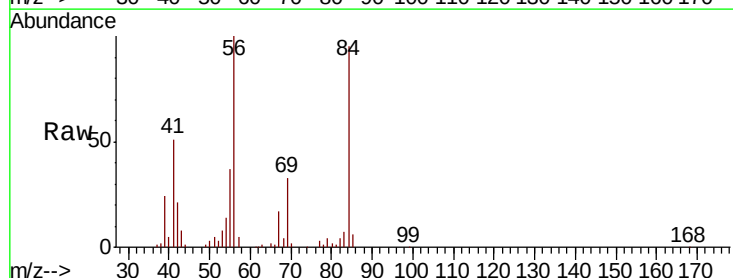
Instrument :
 MSVOA_U
 ClientSampled :

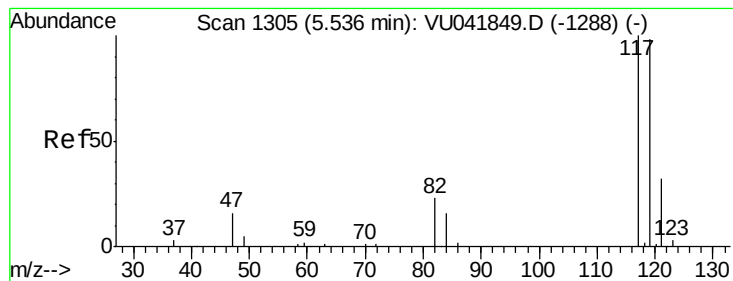
Tot Ion: 97 Resp: 83739
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.3 75.5
 61 43.2 32.7 49.1



#30
 Cyclohexane
 Concen: 4.415 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion: 56 Resp: 75743
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.2 37.8
 84 90.9 76.2 114.4





#31

Carbon tetrachloride

Concen: 4.568 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

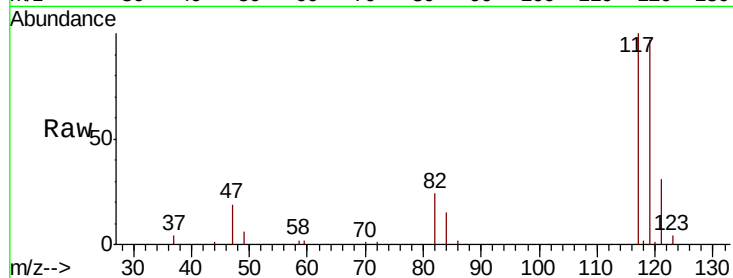
ClientSampleId :

Tot Ion:117 Resp: 75363

Ion Ratio Lower Upper

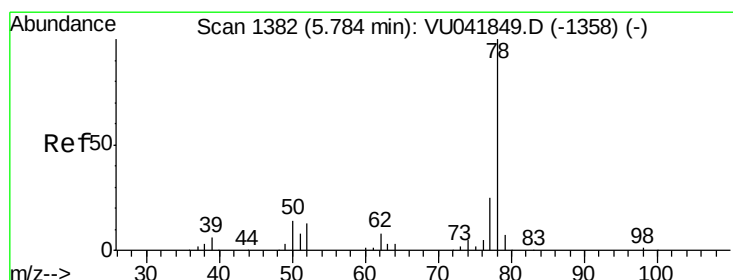
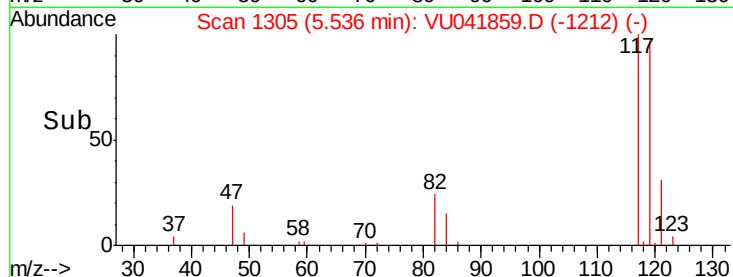
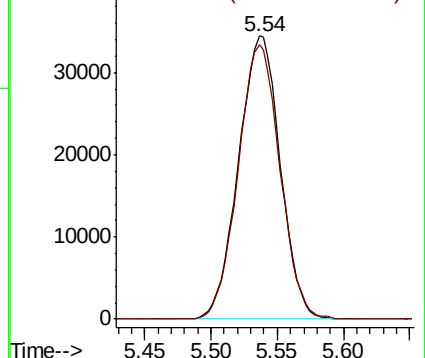
117 100

119 97.1 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.623 ug/L

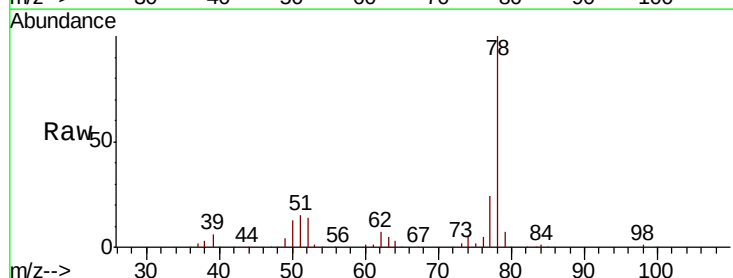
RT: 5.78 min Scan# 1382

Delta R.T. 0.00 min

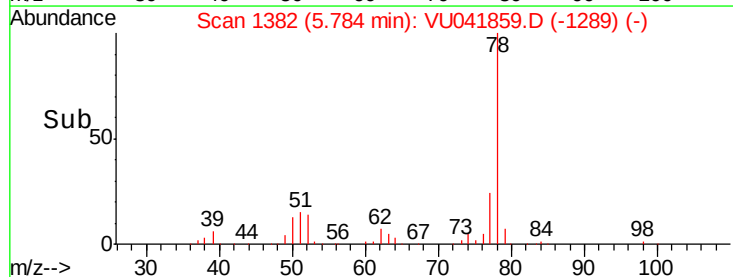
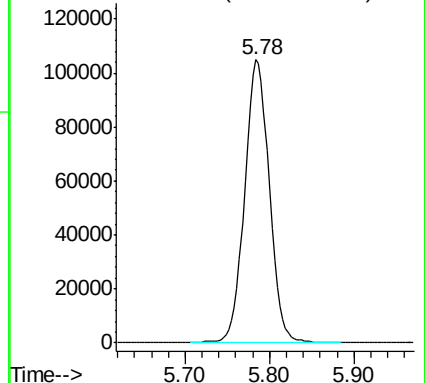
Lab File: VU041859.D

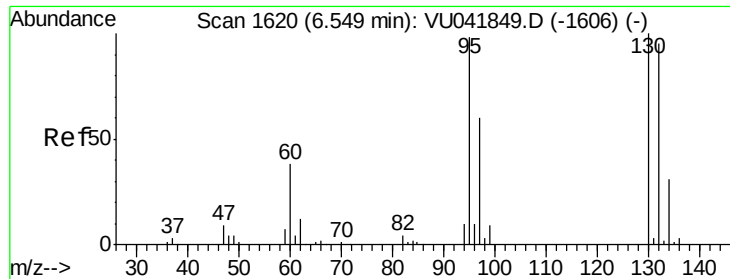
Acq: 06 Jan 2021 12:56

Tgt Ion: 78 Resp: 214640



Abundance Ion 78.10 (77.80 to 78.80): VU0

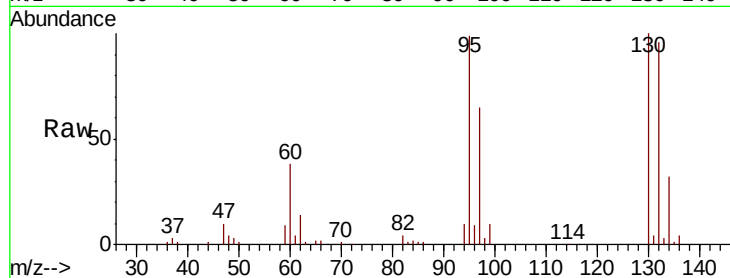




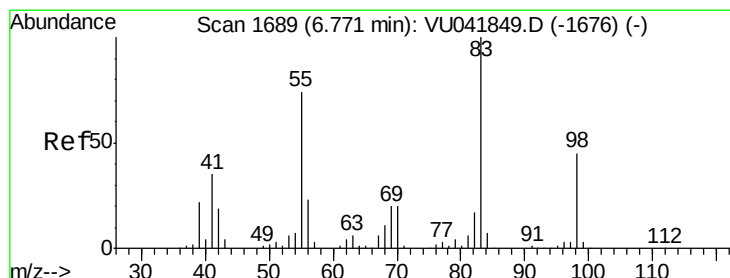
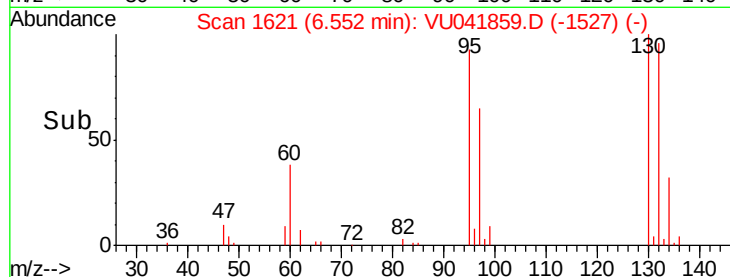
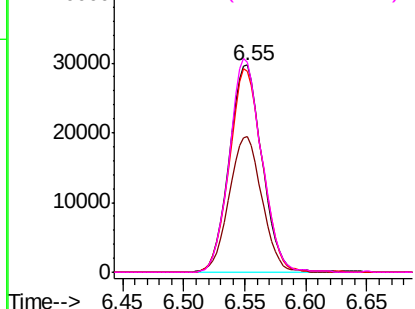
#34
 Trichloroethene
 Concen: 4.595 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 55765
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.8 85.2
 132 97.4 68.7 127.7
 130 101.5 70.1 130.3

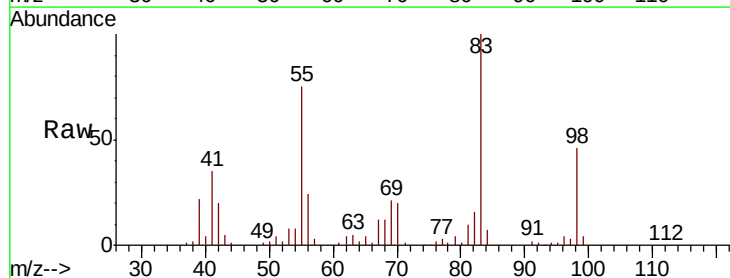


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

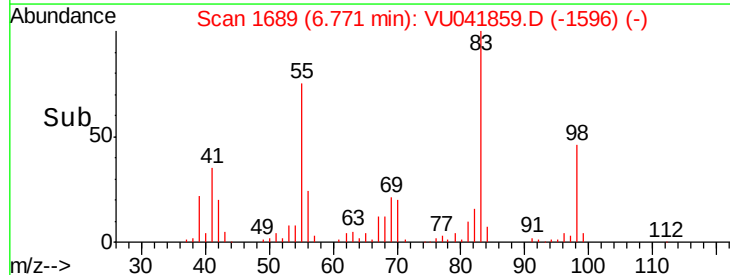
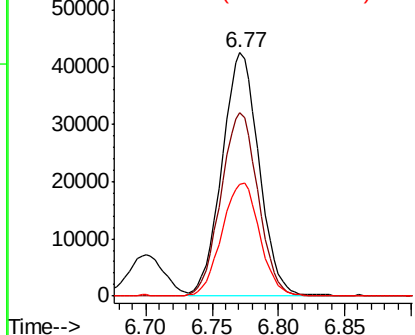


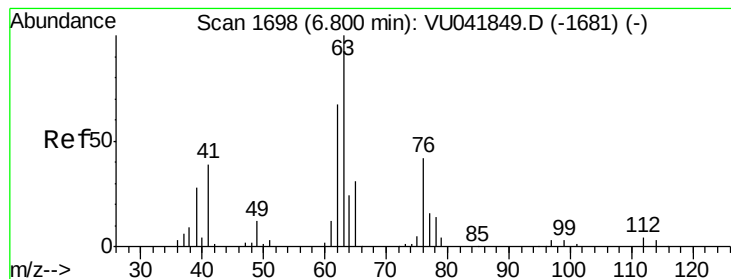
#35
 Methylcyclohexane
 Concen: 4.400 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion: 83 Resp: 81852
 Ion Ratio Lower Upper
 83 100
 55 75.9 59.5 89.3
 98 47.9 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.587 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

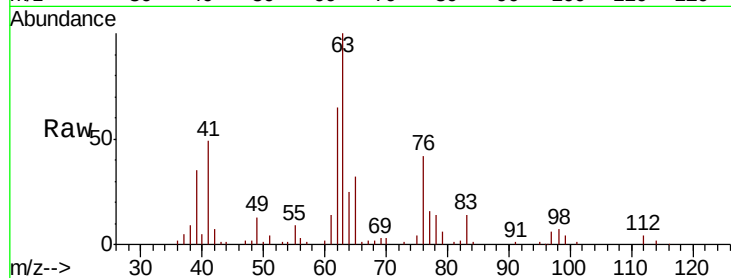
ClientSampleId :

Tot Ion: 63 Resp: 52921

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU041849.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041849.D (-1681) (-)

6.80

30000

25000

20000

15000

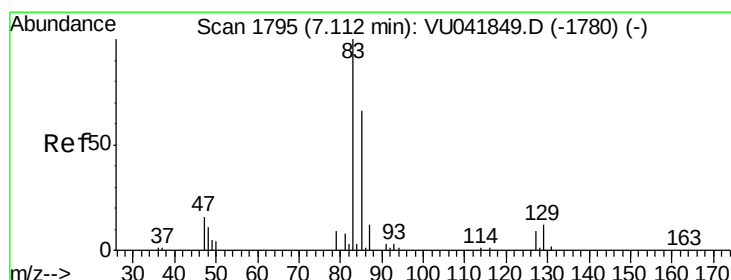
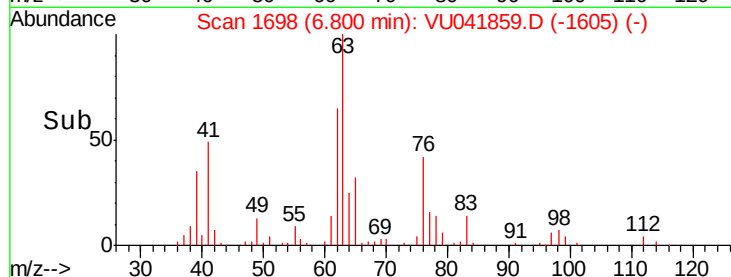
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.618 ug/L

RT: 7.11 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

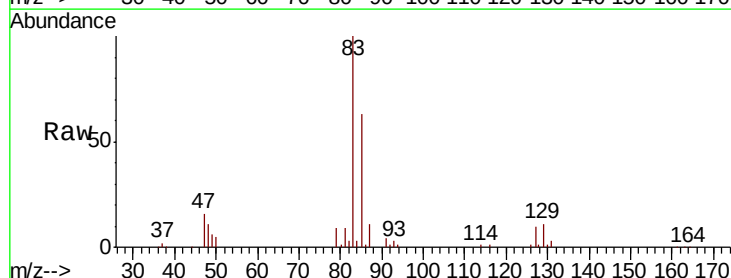
Tgt Ion: 83 Resp: 69952

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

127 9.6 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU041849.D (-1780) (-)

Ion 85.00 (84.70 to 85.70): VU041849.D (-1780) (-)

Ion 126.90 (126.60 to 127.60): VU041849.D (-1780) (-)

7.11

50000

40000

30000

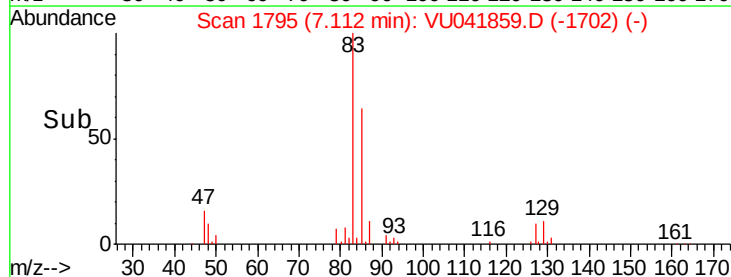
20000

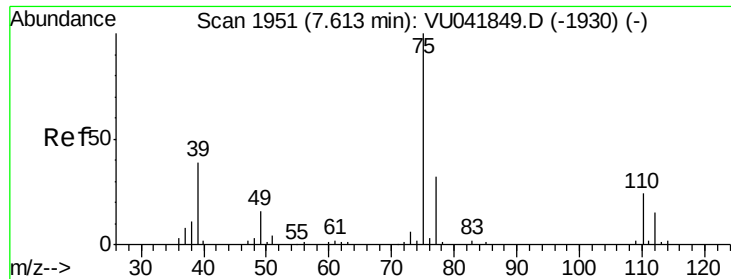
10000

0

7.05 7.10 7.15

Time-->

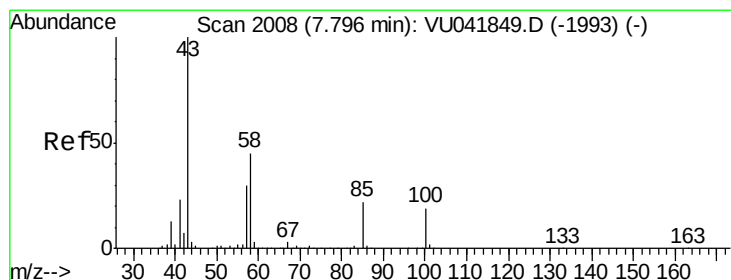
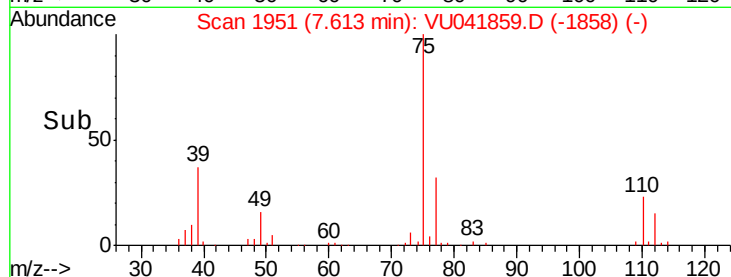
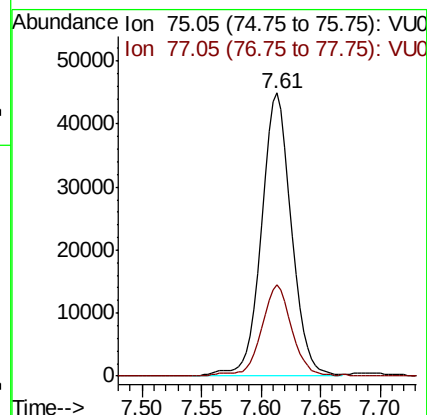
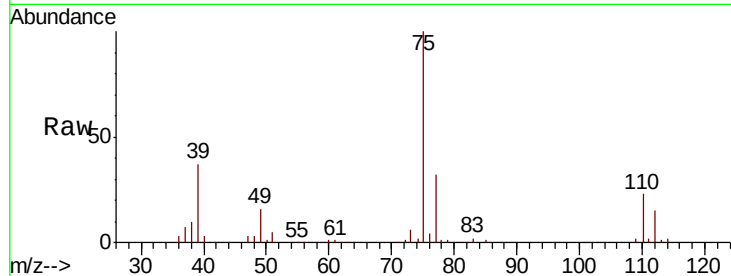




#39
 cis-1,3-Dichloropropene
 Concen: 4.541 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

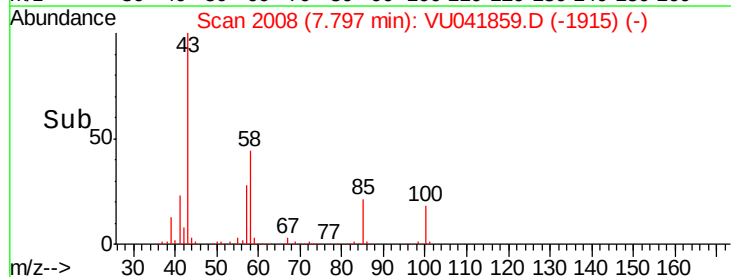
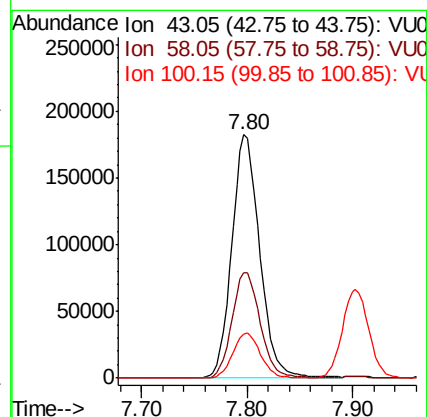
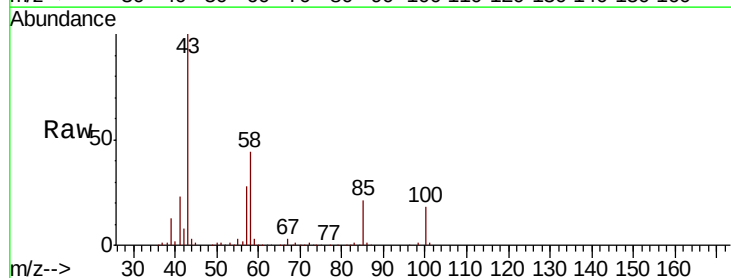
Instrument :
 MSVOA_U
 ClientSampled :

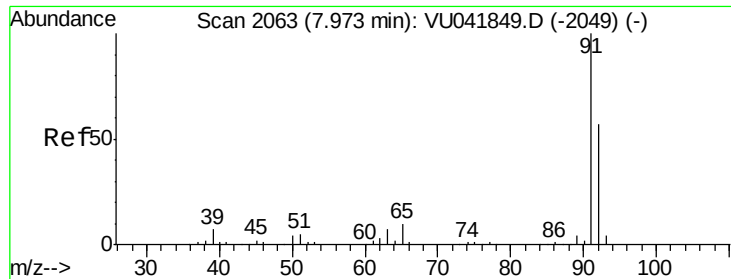
Tot Ion: 75 Resp: 78546
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 45.118 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion: 43 Resp: 333180
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.8 53.6
 100 18.4 15.1 22.7





#42

Toluene

Concen: 4.812 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

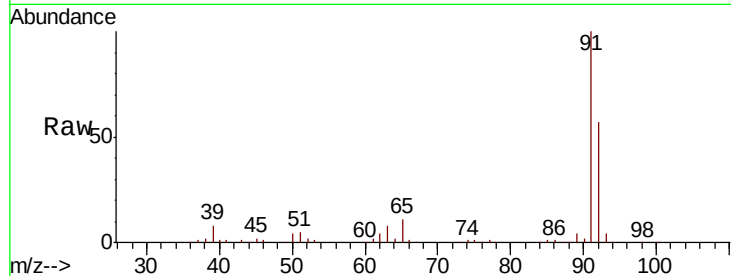
ClientSampleId :

Tot Ion: 91 Resp: 235670

Ion Ratio Lower Upper

91 100

92 57.3 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

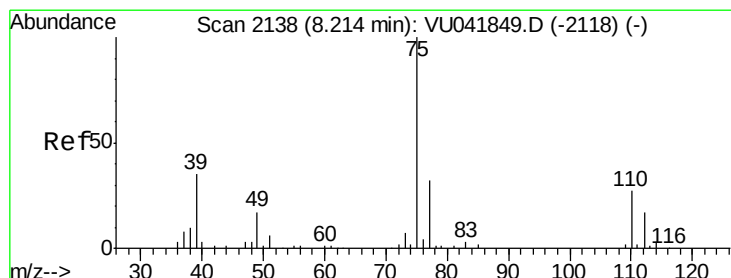
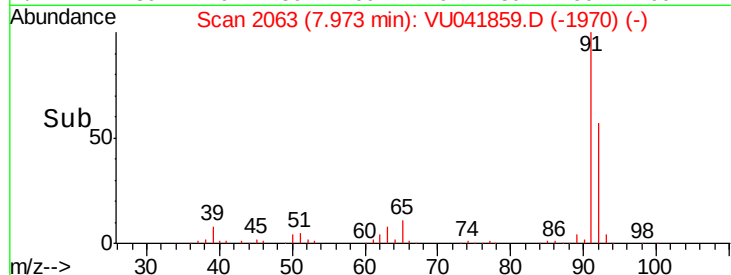
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.539 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041859.D

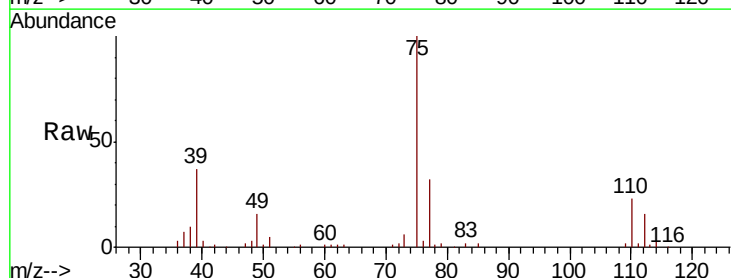
Acq: 06 Jan 2021 12:56

Tgt Ion: 75 Resp: 71851

Ion Ratio Lower Upper

75 100

77 31.7 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

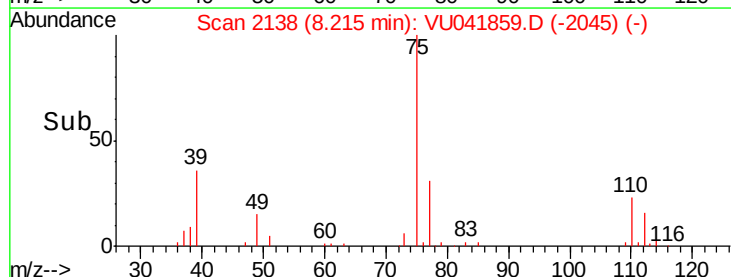
30000

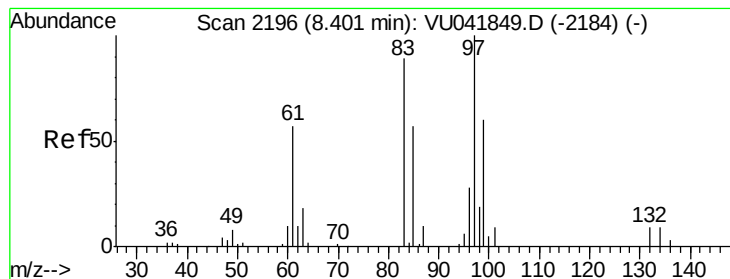
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.613 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 43090

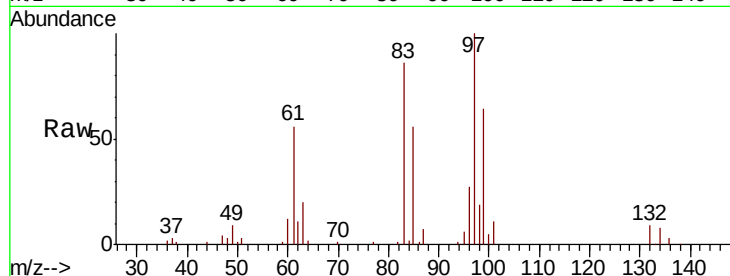
Ion Ratio Lower Upper

97 100

99 64.1 44.2 82.0

83 86.0 60.1 111.7

85 55.9 37.3 69.3

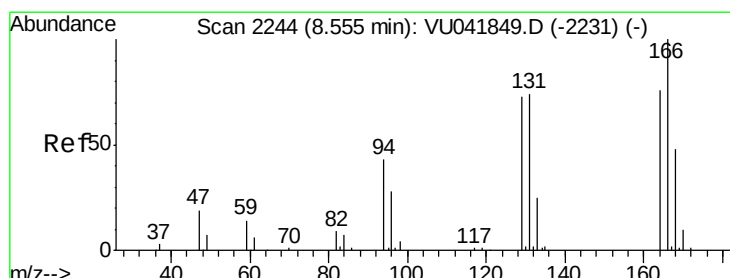
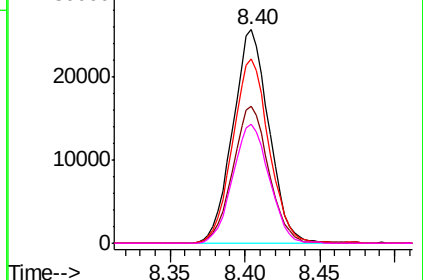
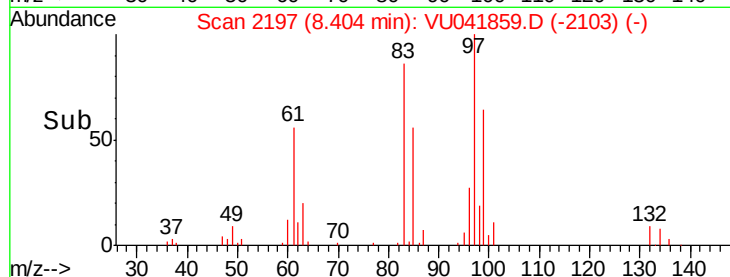


Abundance Ion 96.95 (96.65 to 97.65): VU041859.D (-2196) (-)

Ion 99.05 (98.75 to 99.75): VU041859.D (-2196) (-)

Ion 82.95 (82.65 to 83.65): VU041859.D (-2196) (-)

Ion 85.00 (84.70 to 85.70): VU041859.D (-2196) (-)



#47

Tetrachloroethene

Concen: 4.674 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Tgt Ion: 164 Resp: 44342

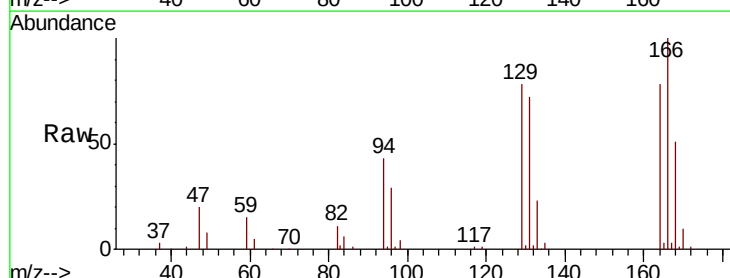
Ion Ratio Lower Upper

164 100

129 99.3 66.6 123.8

131 92.4 65.9 122.3

166 127.4 93.7 173.9

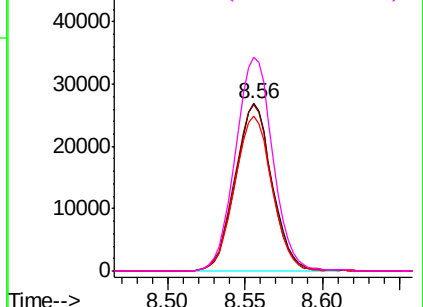
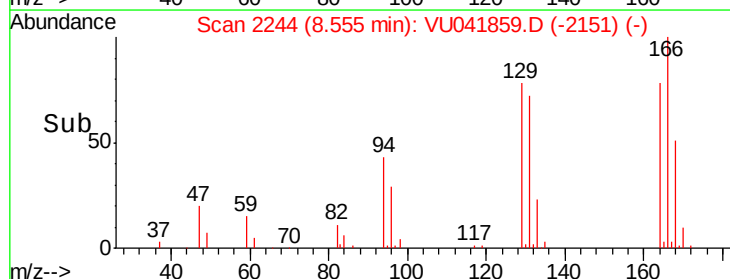


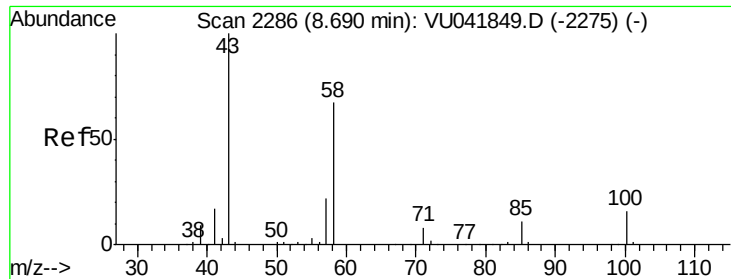
Abundance Ion 163.90 (163.60 to 164.60): VU041859.D (-2244) (-)

Ion 128.95 (128.65 to 129.65): VU041859.D (-2244) (-)

Ion 130.95 (130.65 to 131.65): VU041859.D (-2244) (-)

Ion 165.90 (165.60 to 166.60): VU041859.D (-2244) (-)

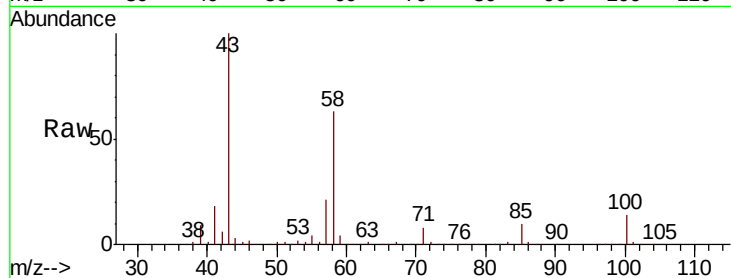




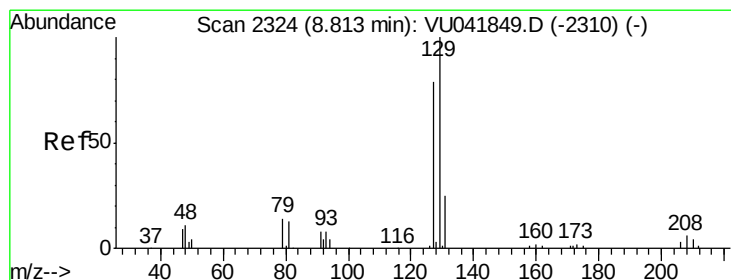
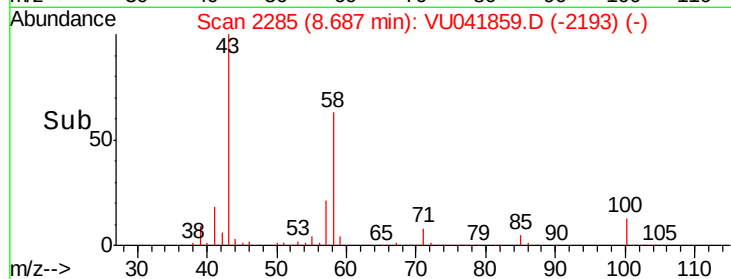
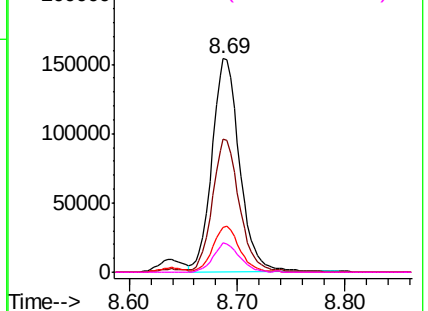
#48
2-Hexanone
Concen: 50.570 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 273083
Ion Ratio Lower Upper
43 100
58 61.2 50.0 75.0
57 20.4 17.4 26.0
100 12.9 11.8 17.8

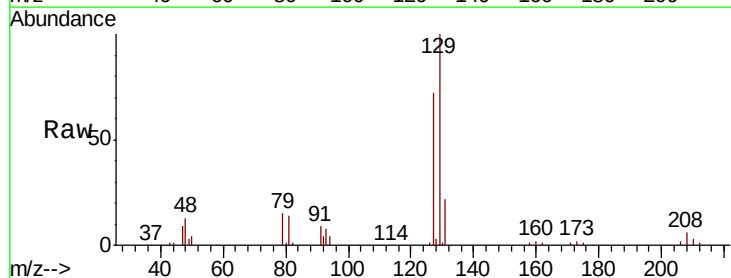


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

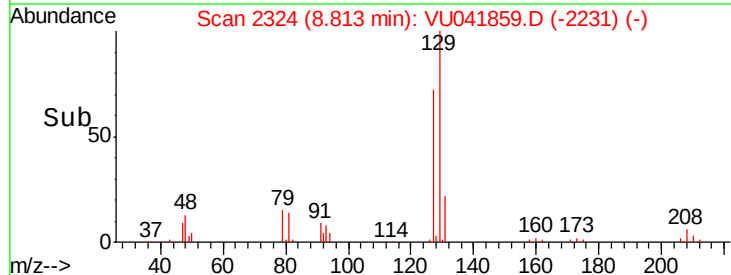
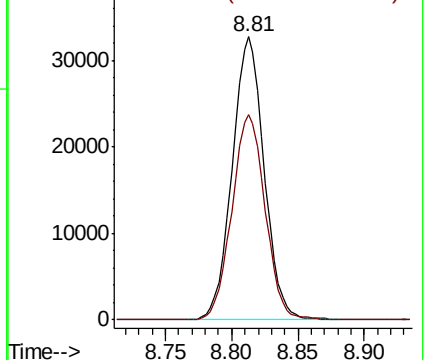


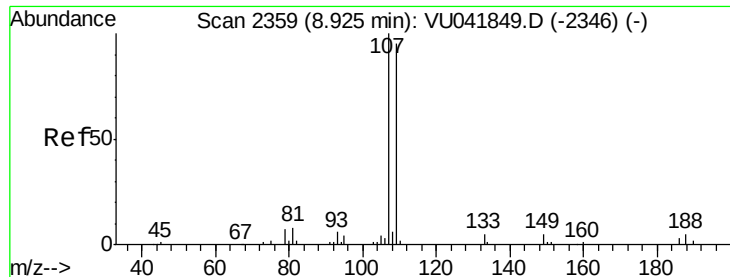
#49
Dibromochloromethane
Concen: 4.867 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion: 129 Resp: 54692
Ion Ratio Lower Upper
129 100
127 72.4 56.6 105.2



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

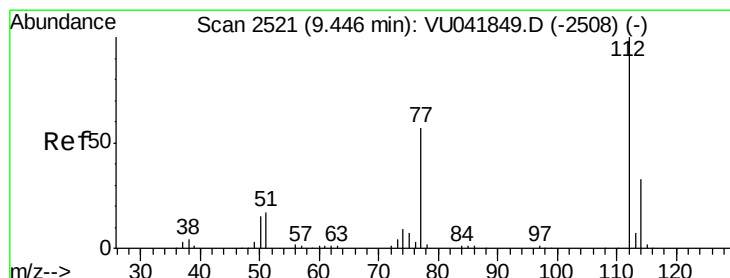
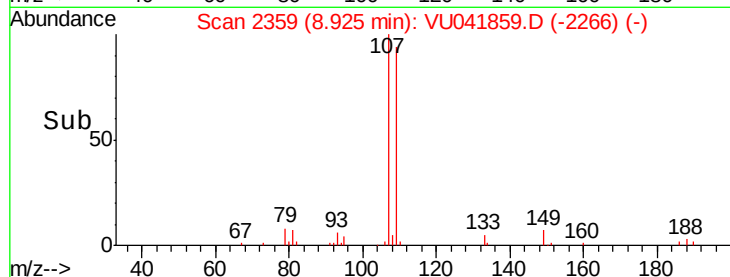
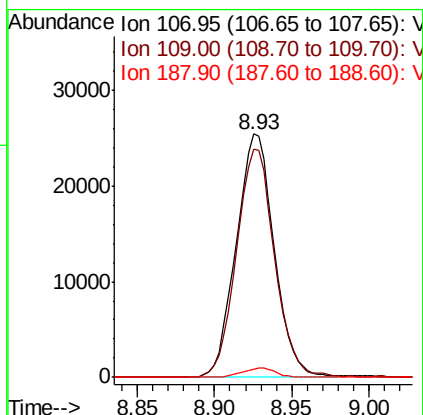
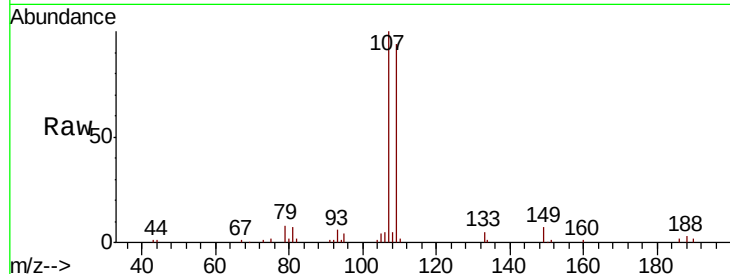




#50
 1,2-Dibromoethane
 Concen: 4.691 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

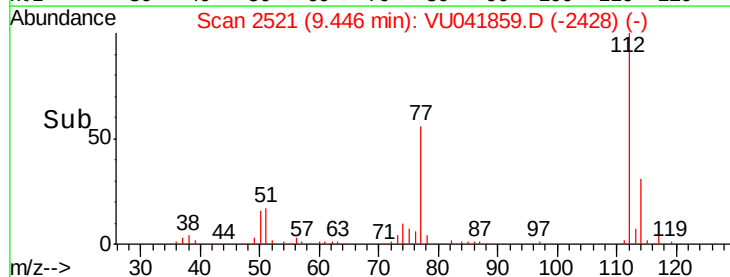
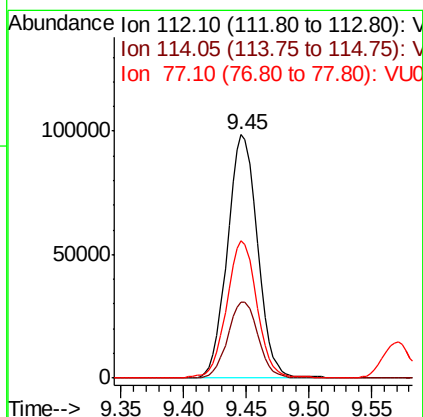
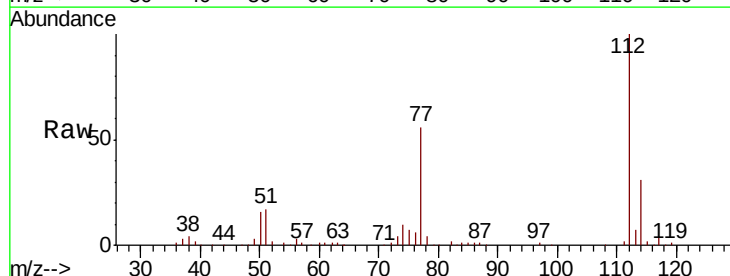
Instrument :
 MSVOA_U
 ClientSampleId :

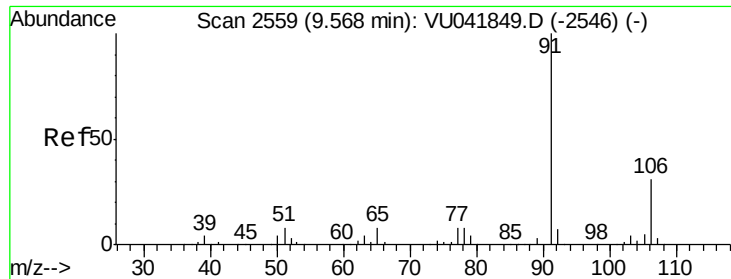
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.4	121.4
188	3.4	2.5	3.7



#51
 Chlorobenzene
 Concen: 5.134 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	21.9	40.7
77	56.4	45.1	67.7

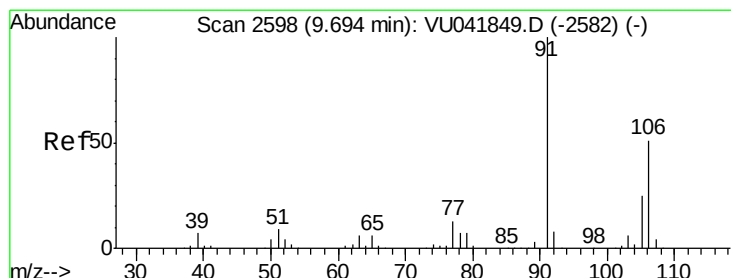
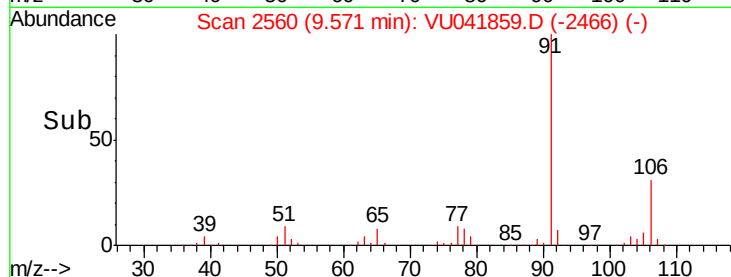
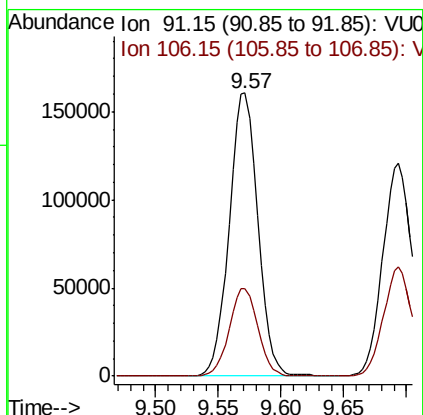
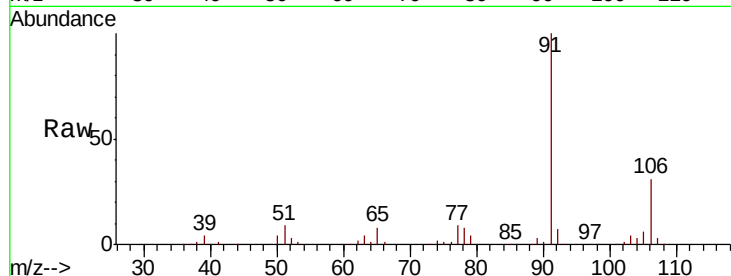




#52
Ethylbenzene
Concen: 4.990 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

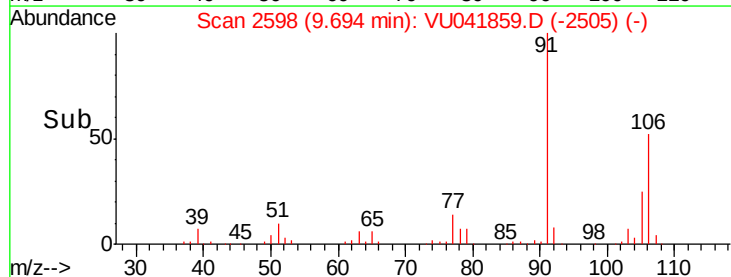
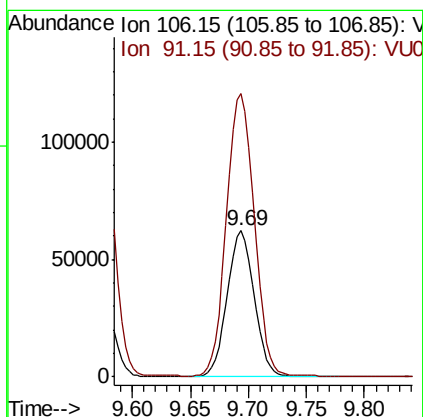
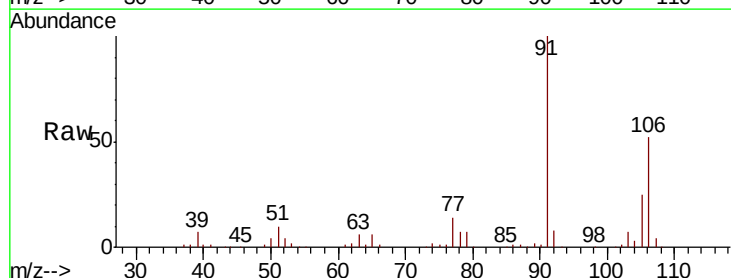
Instrument :
MSVOA_U
ClientSampleId :

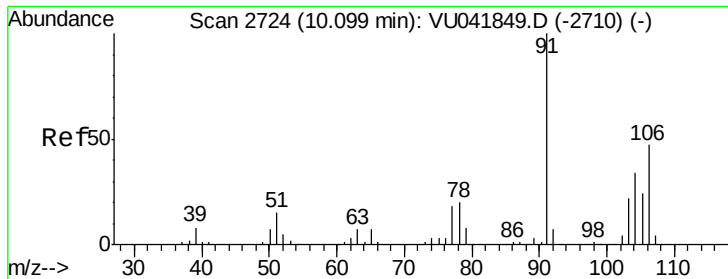
Tot Ion: 91 Resp: 254669
Ion Ratio Lower Upper
91 100
106 30.8 22.0 40.8



#53
m,p-Xylene
Concen: 5.017 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion: 106 Resp: 100415
Ion Ratio Lower Upper
106 100
91 194.0 137.6 255.6

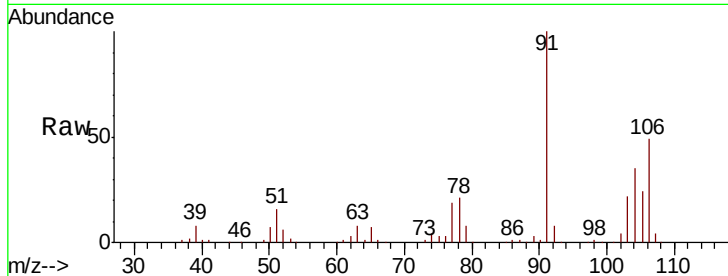




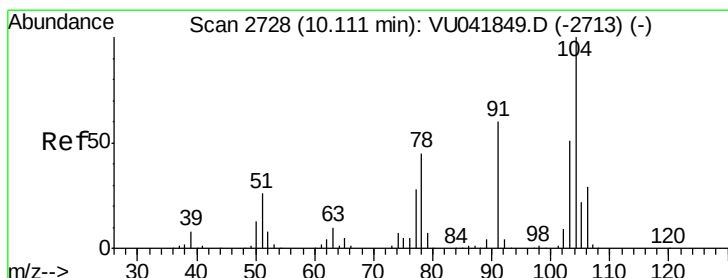
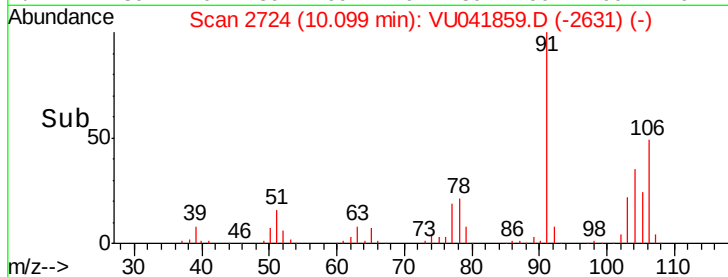
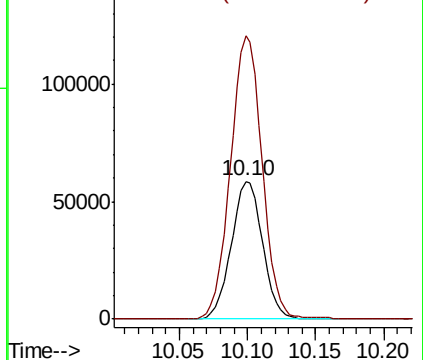
#54
o-Xylene
Concen: 4.892 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 93277
Ion Ratio Lower Upper
106 100
91 205.2 148.5 275.9

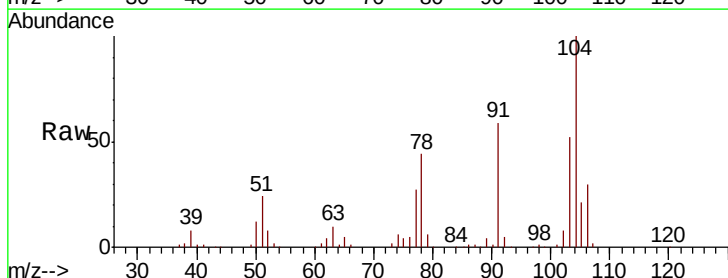


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

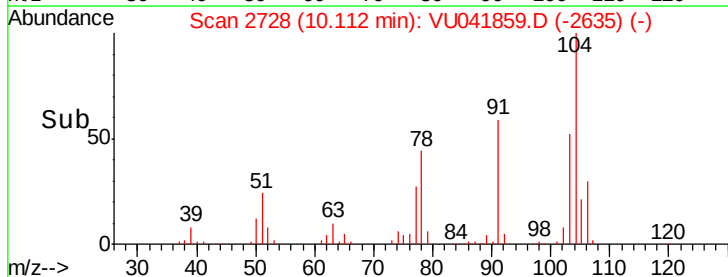
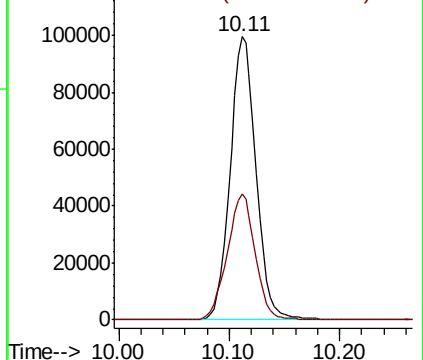


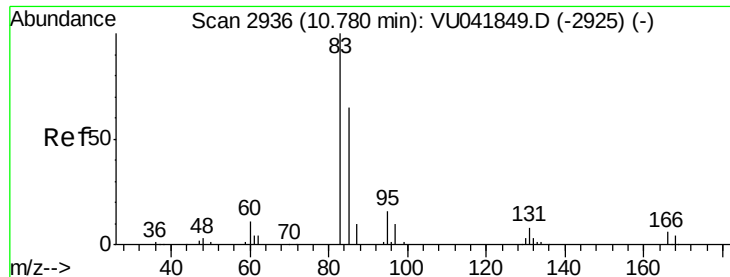
#55
Styrene
Concen: 4.920 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion:104 Resp: 161540
Ion Ratio Lower Upper
104 100
78 44.5 32.3 60.1



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

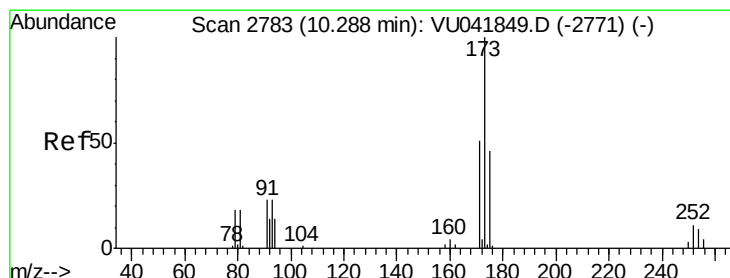
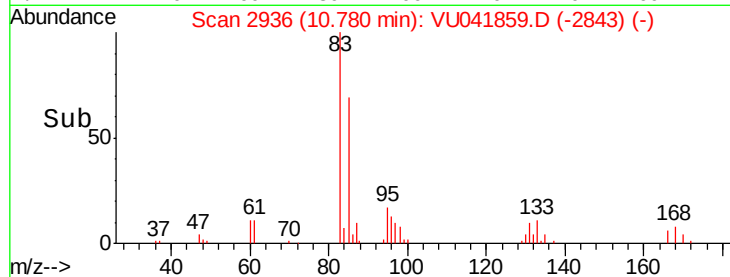
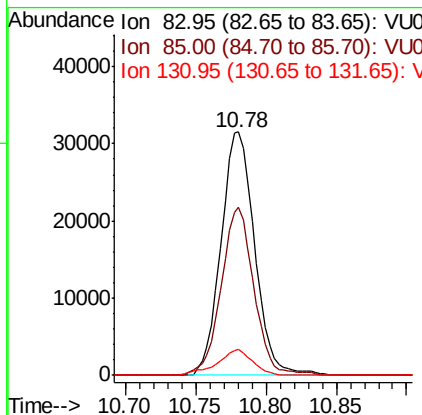
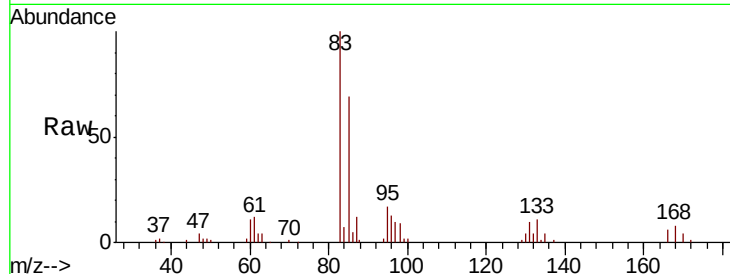




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.269 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

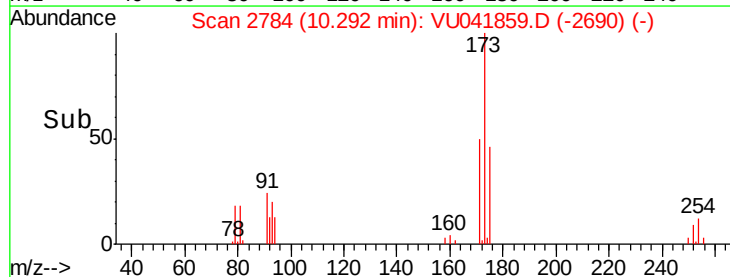
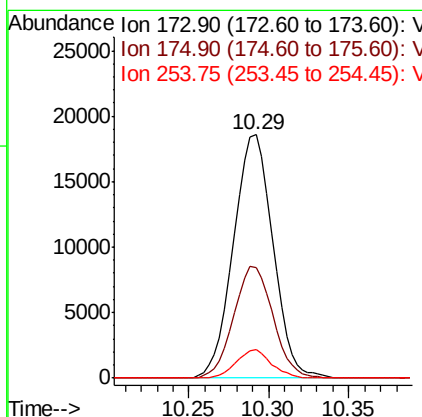
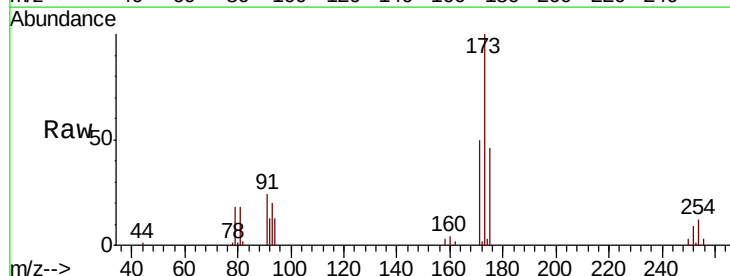
Instrument :
 MSVOA_U
 ClientSampleId :

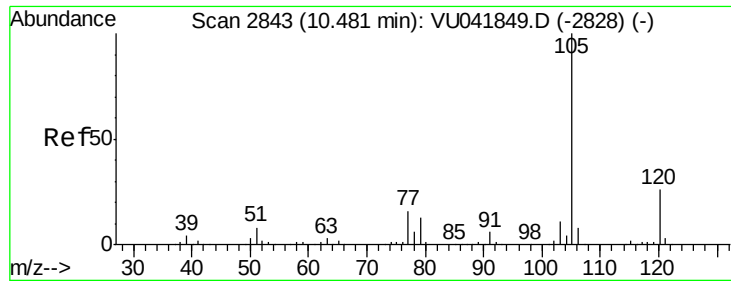
Tot Ion	83	Resp	52394
Ion Ratio	Lower	Upper	
83	100		
85	69.1	44.9	83.5
131	10.4	8.2	12.4



#59
 Bromoform
 Concen: 4.699 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion	173	Resp	31349
Ion Ratio	Lower	Upper	
173	100		
175	45.4	39.4	59.0
254	10.3	8.0	12.0





#60

Isopropylbenzene

Concen: 4.972 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

ClientSampleId :

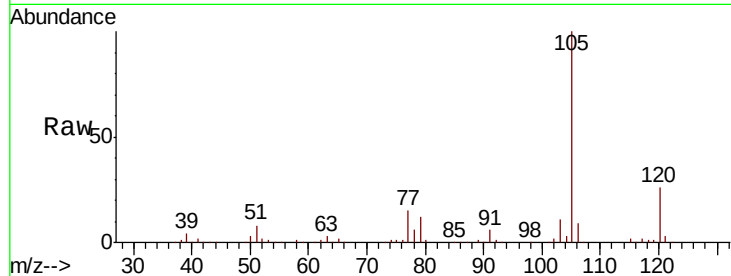
Tot Ion:105 Resp: 240909

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

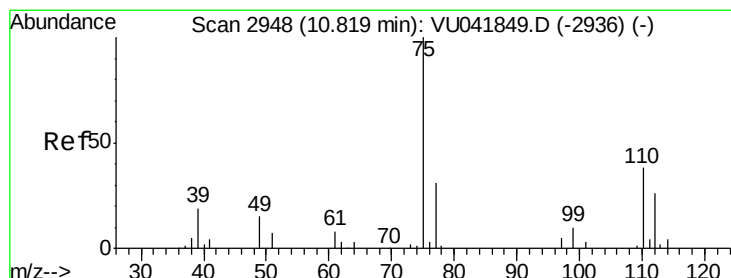
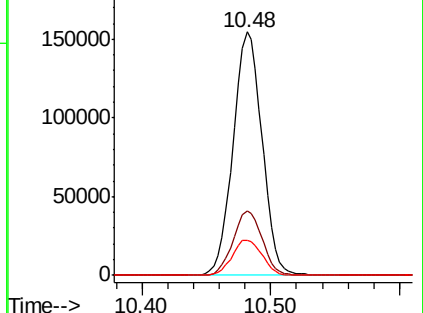
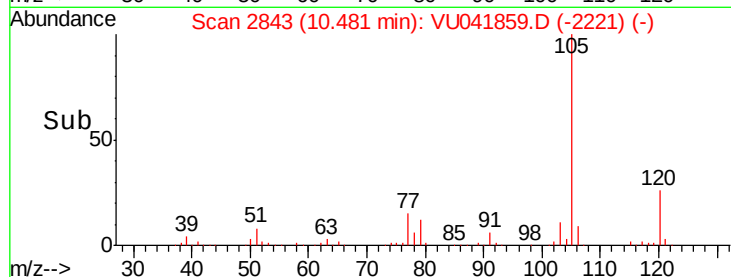
77 15.1 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 4.411 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

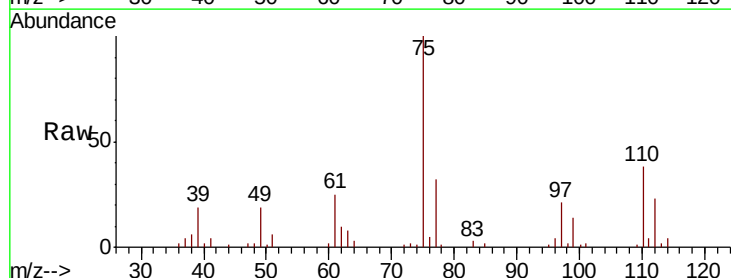
Tgt Ion: 75 Resp: 38348

Ion Ratio Lower Upper

75 100

110 36.8 31.5 47.3

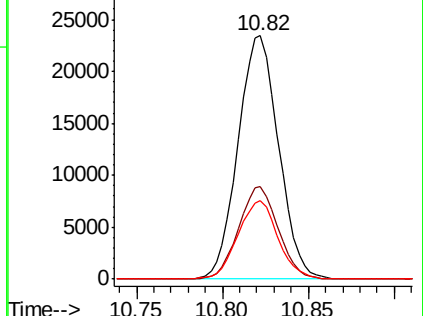
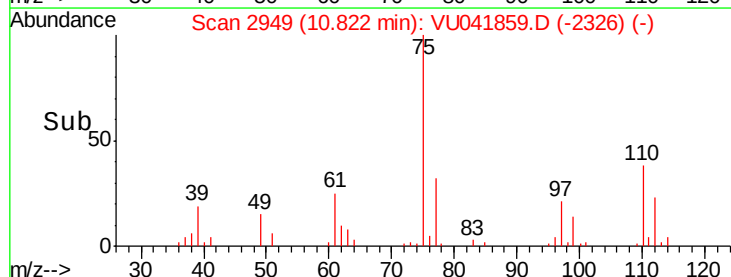
77 31.9 26.3 39.5

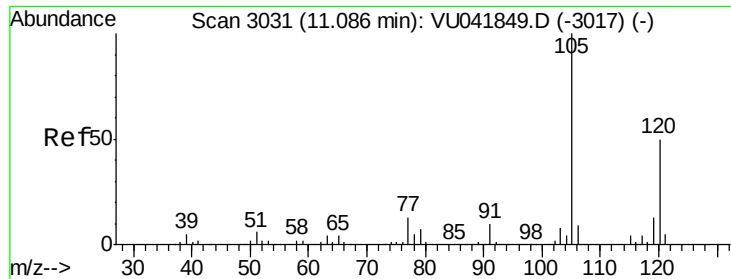


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 4.951 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

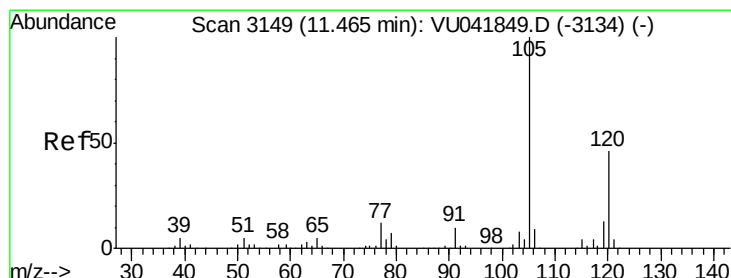
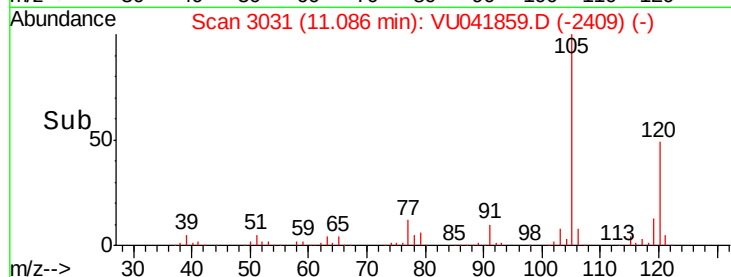
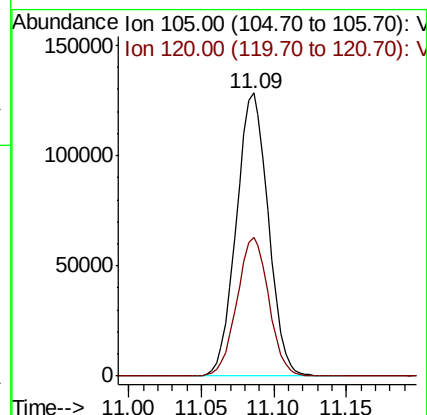
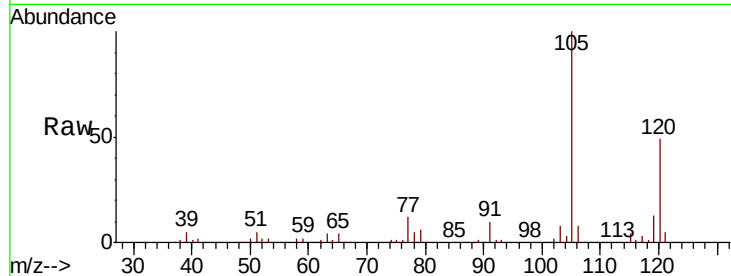
ClientSampled :

Tot Ion:105 Resp: 196909

Ion Ratio Lower Upper

105 100

120 48.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 5.067 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU041859.D

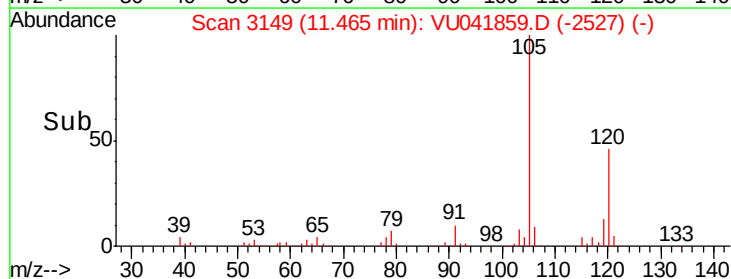
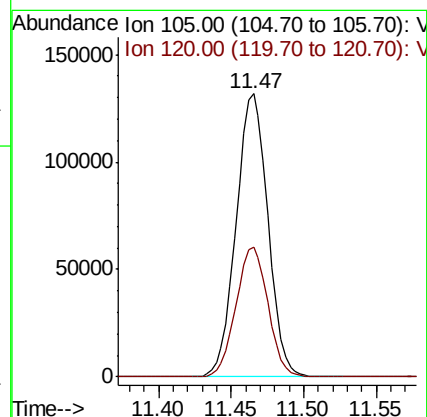
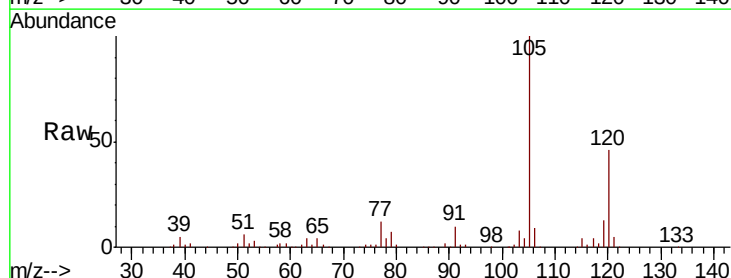
Acq: 06 Jan 2021 12:56

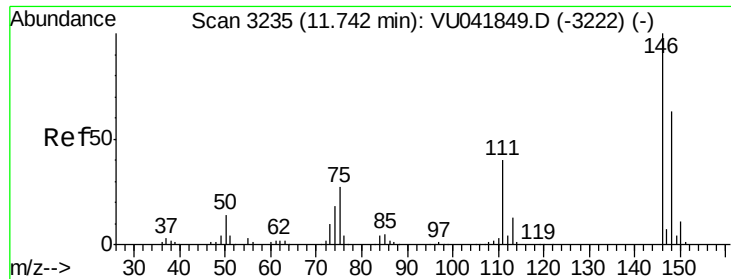
Tgt Ion:105 Resp: 200104

Ion Ratio Lower Upper

105 100

120 46.3 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 5.127 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

Instrument :

MSVOA_U

ClientSampled :

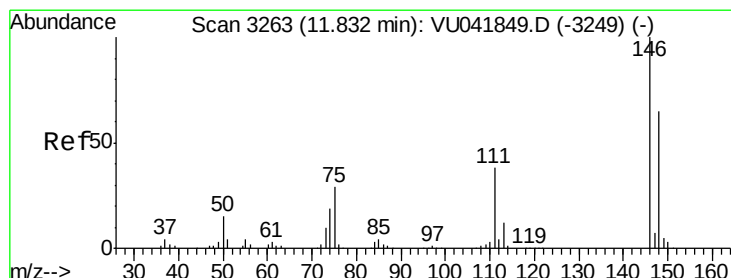
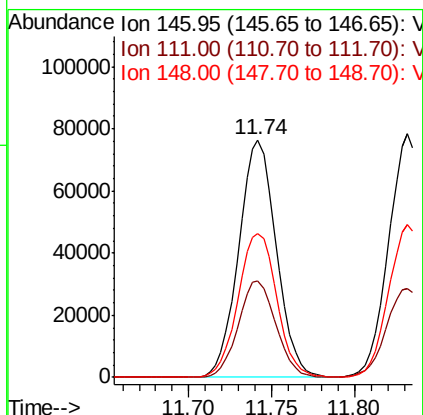
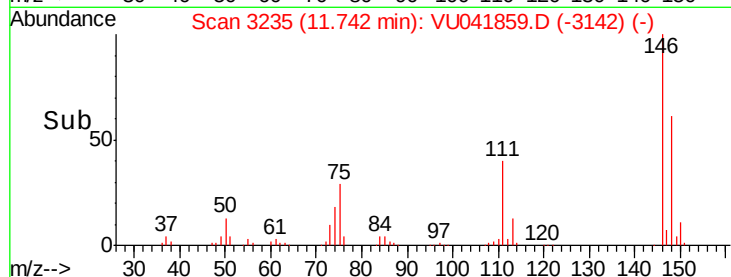
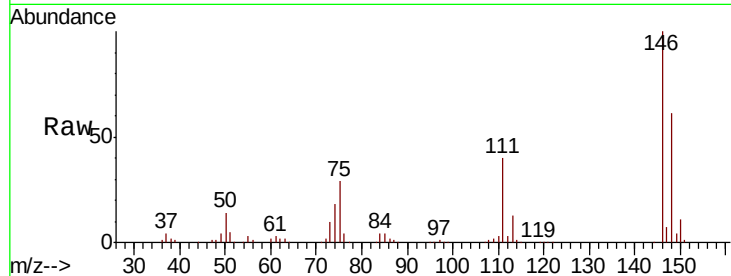
Tot Ion:146 Resp: 120129

Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.2

148 60.7 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 5.123 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041859.D

Acq: 06 Jan 2021 12:56

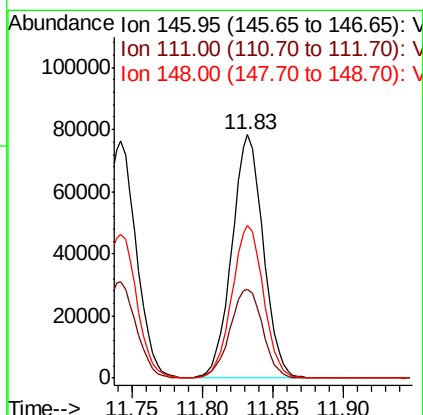
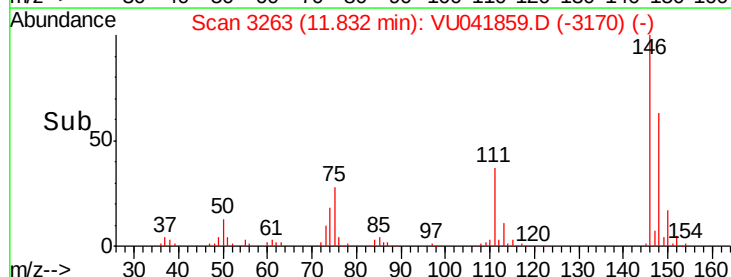
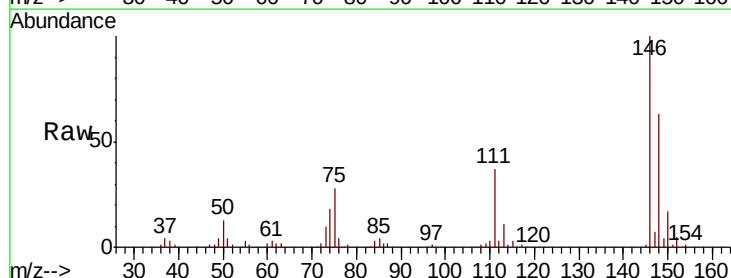
Tgt Ion:146 Resp: 122000

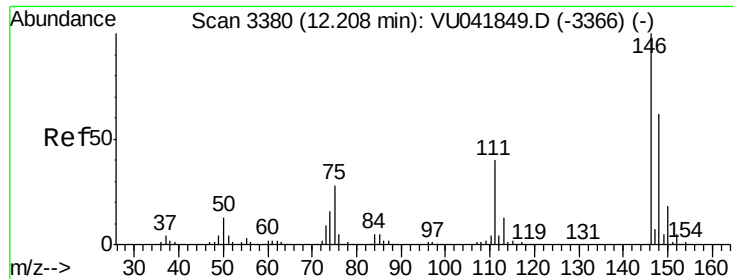
Ion Ratio Lower Upper

146 100

111 36.5 26.7 49.5

148 62.6 43.9 81.5

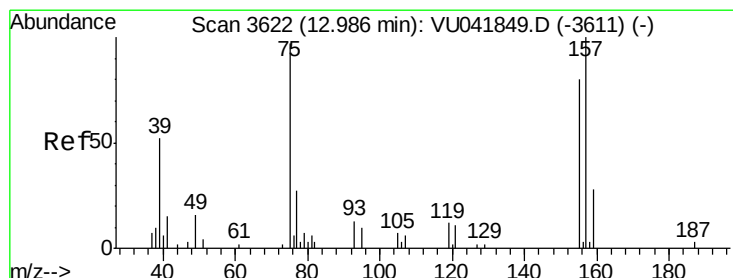
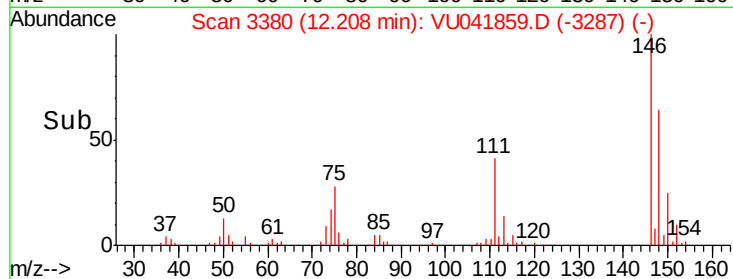
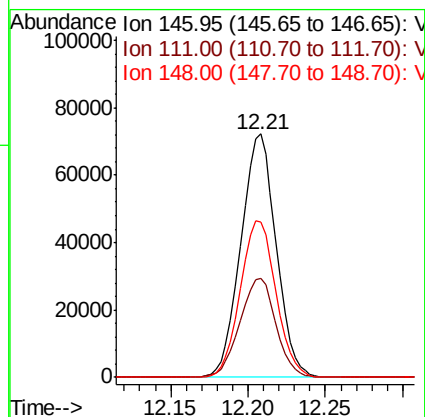
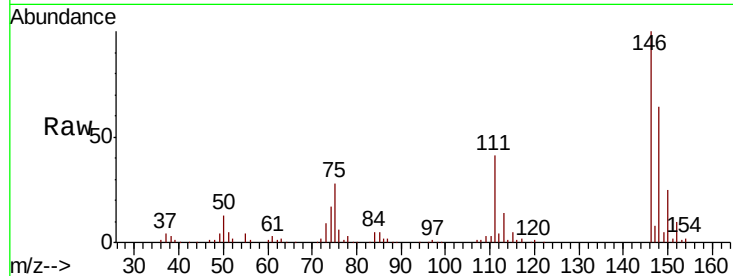




#67
 1,2-Dichlorobenzene
 Concen: 4.912 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

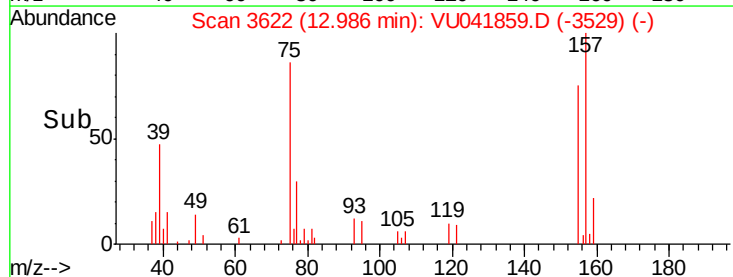
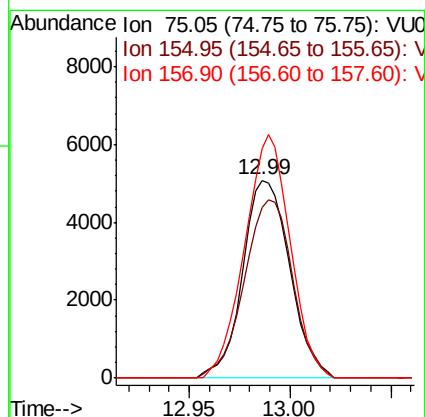
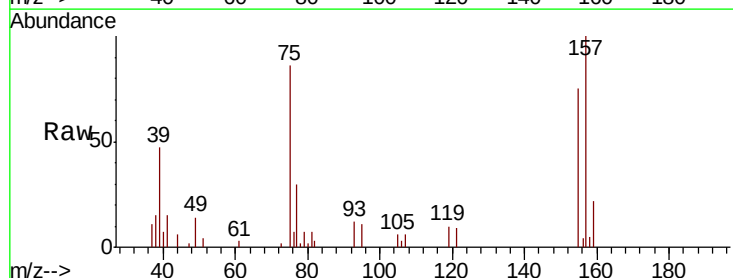
Instrument :
 MSVOA_U
 ClientSampled :

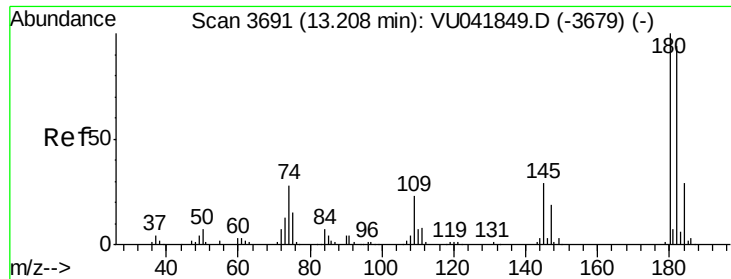
Tot Ion:146 Resp: 114462
 Ion Ratio Lower Upper
 146 100
 111 40.9 31.9 47.9
 148 63.7 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.156 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion: 75 Resp: 8316
 Ion Ratio Lower Upper
 75 100
 155 86.5 67.8 101.8
 157 116.0 82.4 123.6

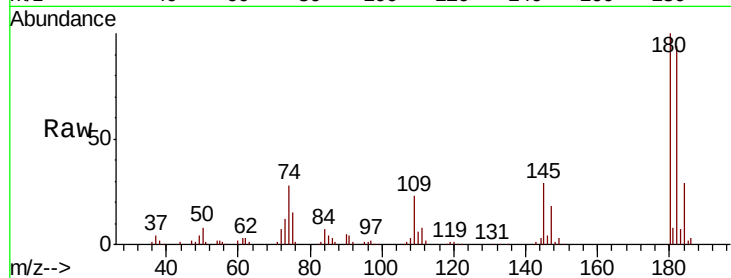




#69
 1,3,5-Trichlorobenzene
 Concen: 5.086 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.1	114.1
184	29.7	24.0	36.0
145	27.9	23.2	34.8



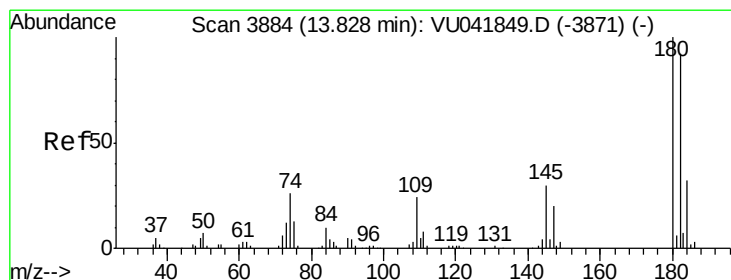
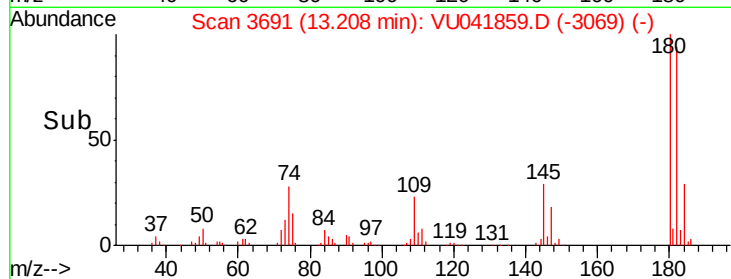
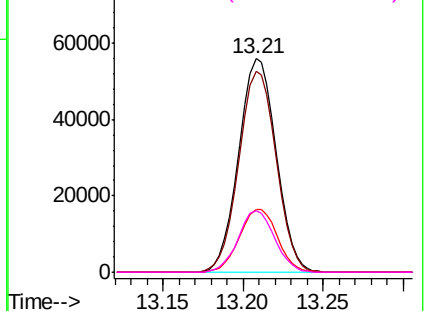
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

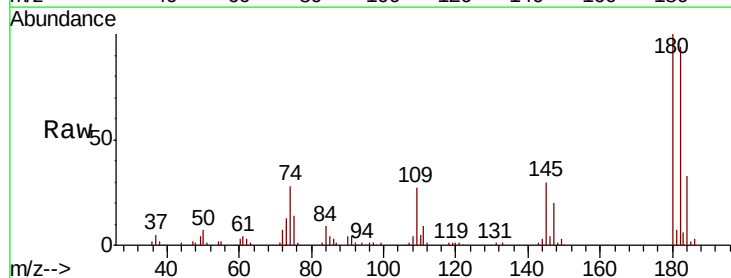
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.278 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041859.D
 Acq: 06 Jan 2021 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.5	114.7
145	30.2	24.1	36.1

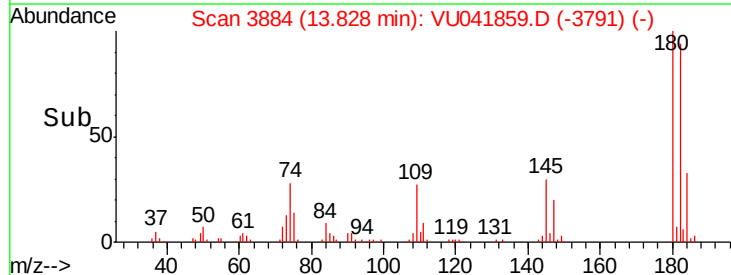
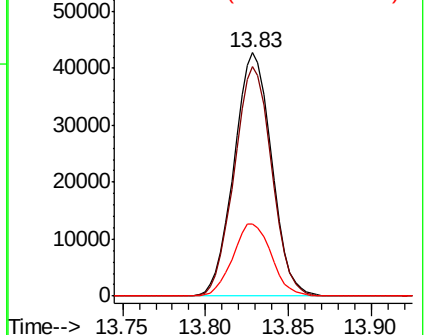


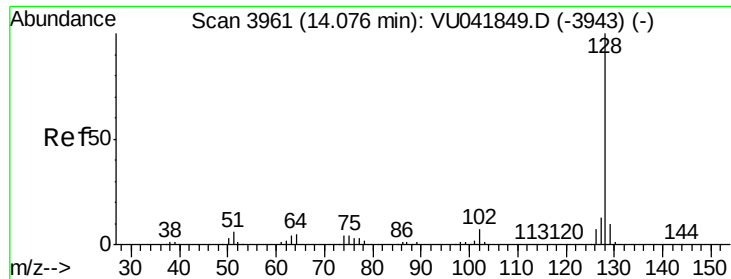
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

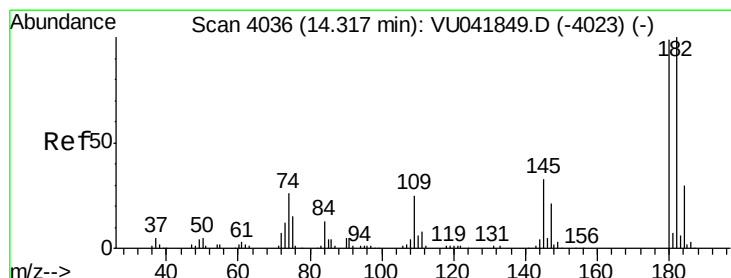
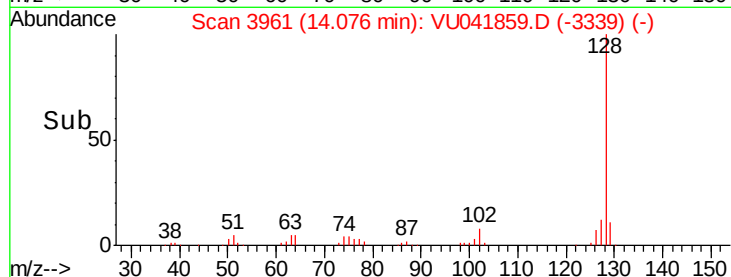
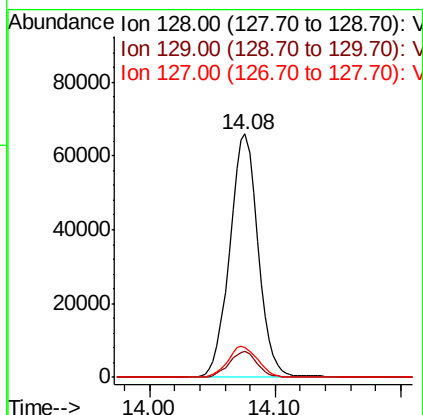
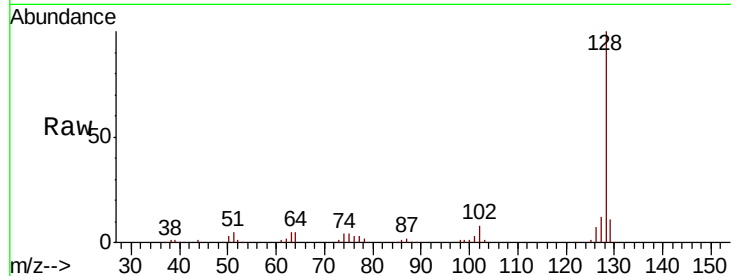




#71
Naphthalene
Concen: 4.585 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 103591
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.5 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.217 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041859.D
Acq: 06 Jan 2021 12:56

Tgt Ion:180 Resp: 63814
Ion Ratio Lower Upper
180 100
182 95.3 75.8 113.8
145 31.7 25.0 37.4

