

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041861.D
 Acq On : 06 Jan 2021 14:04
 Operator : SY/MD
 Sample : L5214-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 07 01:19:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 07 01:18:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	143738	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	144676	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	69894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47597	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.92	69	47742	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.57	65	22641	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.66	46	146249	45.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.90%
24) Chloroform-d	5.08	84	96630	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.71	65	53717	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.74	84	183625	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	57547	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.90	98	155922	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.18	79	23315	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	130162	44.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.74%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	56731	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	65119	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3141	0.239 ug/L	95
3) Chloromethane	1.52	50	3980	0.333 ug/L	96
5) Vinyl chloride	1.61	62	3994	0.272 ug/L	91
6) Bromomethane	1.86	94	2616	0.261 ug/L	97
8) Chloroethane	1.94	64	2557	0.276 ug/L	84
9) Trichlorofluoromethane	2.14	101	5070	0.250 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3513	0.308 ug/L #	84
12) 1,1-Dichloroethene	2.59	96	3344	0.296 ug/L #	1
14) Carbon disulfide	2.80	76	8846	0.234 ug/L	99
16) Methylene chloride	3.06	84	4163	0.290 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	6126	0.224 ug/L #	88
18) trans-1,2-Dichloroethene	3.36	96	2870	0.262 ug/L	92
19) 1,1-Dichloroethane	3.89	63	4626	0.238 ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	2856	0.251 ug/L	93
23) Bromochloromethane	4.99	128	1363	0.247 ug/L	81
25) Chloroform	5.11	83	6420	0.327 ug/L	85
27) 1,2-Dichloroethane	5.81	62	2867	0.225 ug/L #	88

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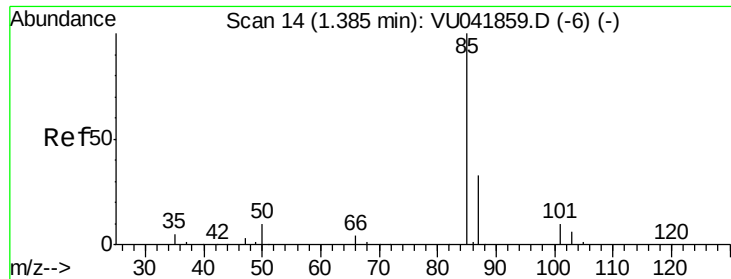
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 07 01:19:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

29) 1,1,1-Trichloroethane	5.33	97	4084	0.236	ug/L	95
30) Cyclohexane	5.40	56	3378	0.212	ug/L	97
31) Carbon tetrachloride	5.54	117	3391	0.221	ug/L	88
33) Benzene	5.78	78	10384	0.241	ug/L	100
34) Trichloroethene	6.55	95	2726	0.242	ug/L	95
35) Methylcyclohexane	6.77	83	3920	0.227	ug/L	95
37) 1,2-Dichloropropane	6.80	63	2523	0.235	ug/L #	87
38) Bromodichloromethane	7.11	83	3470	0.247	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	4291	0.267	ug/L	90
40) 4-Methyl-2-pentanone	7.80	43	14635	2.133	ug/L #	86
42) Toluene	7.97	91	11132	0.245	ug/L	91
44) trans-1,3-Dichloropropene	8.21	75	3267	0.222	ug/L #	73
45) 1,1,2-Trichloroethane	8.41	97	1955	0.225	ug/L	90
47) Tetrachloroethene	8.56	164	2110	0.239	ug/L	95
48) 2-Hexanone	8.69	43	12713	2.534	ug/L	95
49) Dibromochloromethane	8.81	129	2282	0.219	ug/L	86
50) 1,2-Dibromoethane	8.92	107	2018	0.235	ug/L #	87
51) Chlorobenzene	9.45	112	7584	0.254	ug/L	99
52) Ethylbenzene	9.57	91	10798	0.228	ug/L	94
53) m,p-Xylene	9.69	106	3871	0.208	ug/L	95
54) o-Xylene	10.10	106	3770	0.213	ug/L	87
55) Styrene	10.11	104	5915	0.194	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	2995	0.263	ug/L	89
59) Bromoform	10.29	173	1541	0.256	ug/L #	75
60) Isopropylbenzene	10.48	105	9398	0.215	ug/L	98
61) 1,2,3-Trichloropropane	10.82	75	2136	0.272	ug/L #	88
62) 1,3,5-Trimethylbenzene	11.08	105	7799	0.217	ug/L	97
63) 1,2,4-Trimethylbenzene	11.46	105	7580	0.213	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	5566	0.263	ug/L	87
65) 1,4-Dichlorobenzene	11.83	146	6107	0.284	ug/L	93
67) 1,2-Dichlorobenzene	12.21	146	5915	0.281	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	370	0.205	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.21	180	3778	0.238	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	2406	0.208	ug/L	94
71) Naphthalene	14.08	128	2427	0.119	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.32	180	2109	0.191	ug/L #	93

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



#2

Dichlorodifluoromethane

Concen: 0.239 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

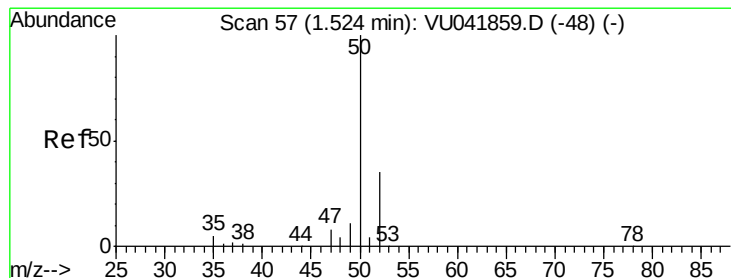
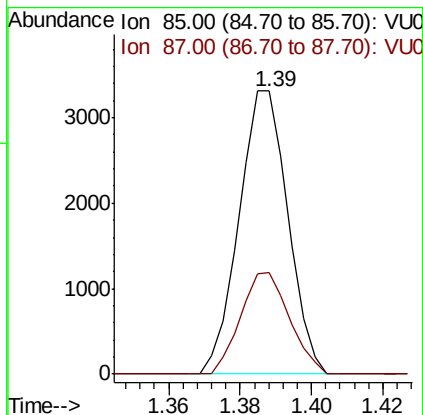
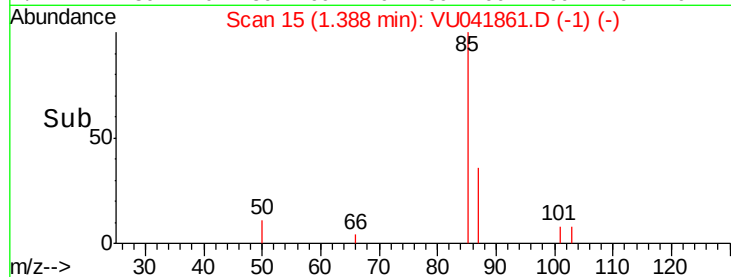
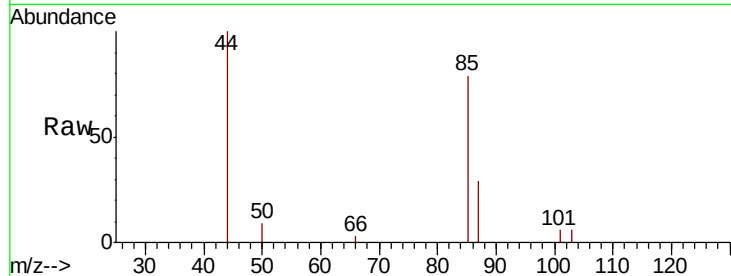
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3141

Ion Ratio Lower Upper

85 100

87 35.8 26.3 39.5



#3

Chloromethane

Concen: 0.333 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041861.D

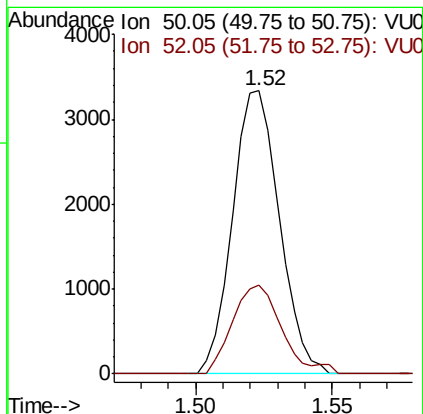
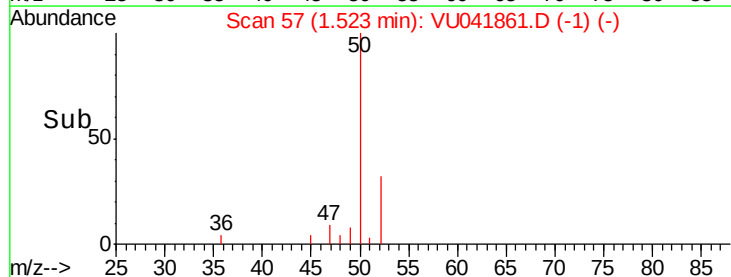
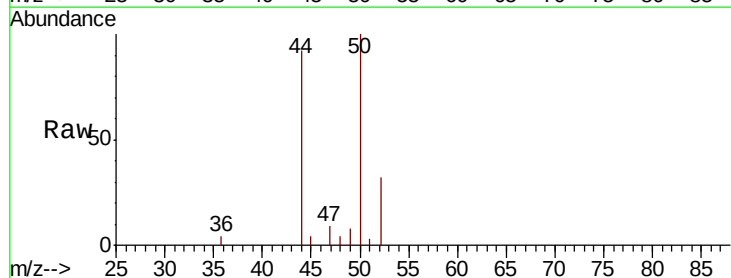
Acq: 06 Jan 2021 14:04

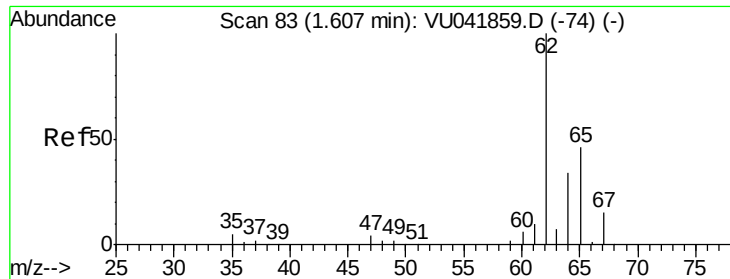
Tgt Ion: 50 Resp: 3980

Ion Ratio Lower Upper

50 100

52 31.6 23.6 43.8





#5

Vinyl chloride

Concen: 0.272 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

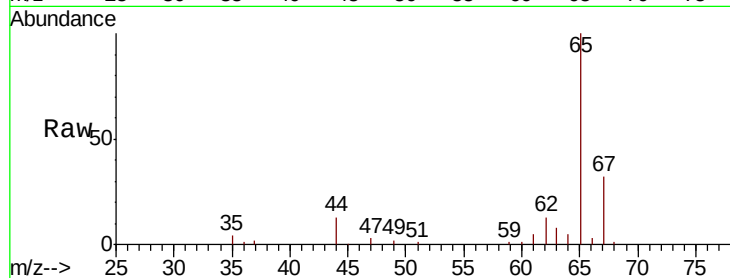
ClientSampleId :

Tot Ion: 62 Resp: 3994

Ion Ratio Lower Upper

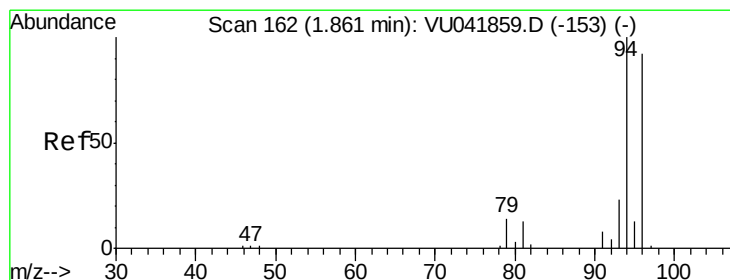
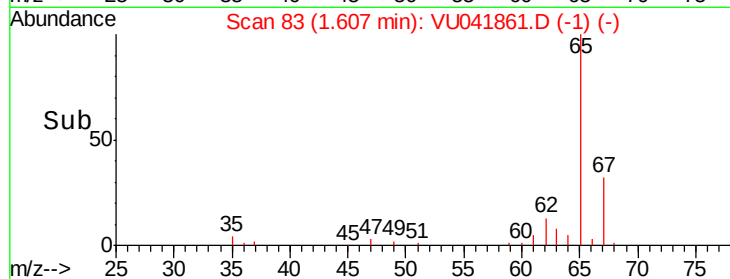
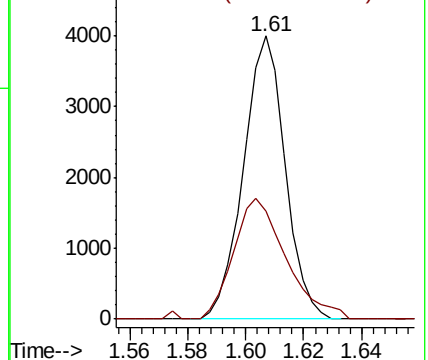
62 100

64 37.9 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: 0.261 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041861.D

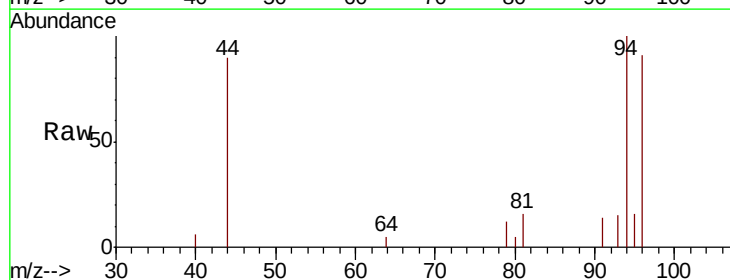
Acq: 06 Jan 2021 14:04

Tgt Ion: 94 Resp: 2616

Ion Ratio Lower Upper

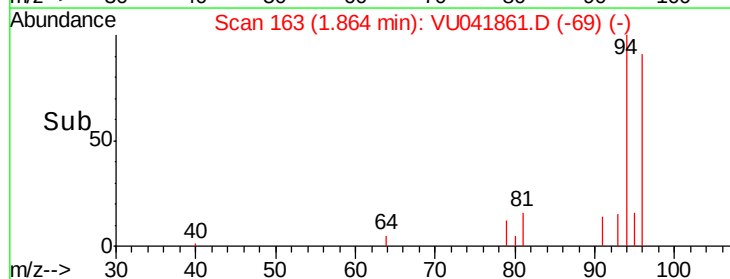
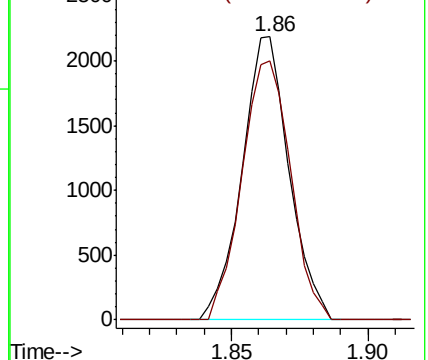
94 100

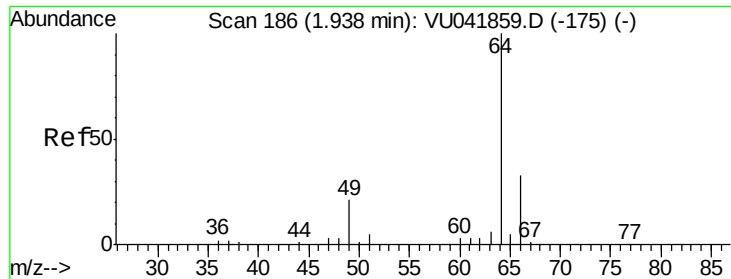
96 91.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

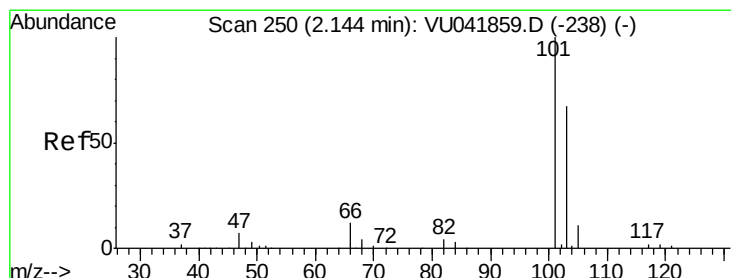
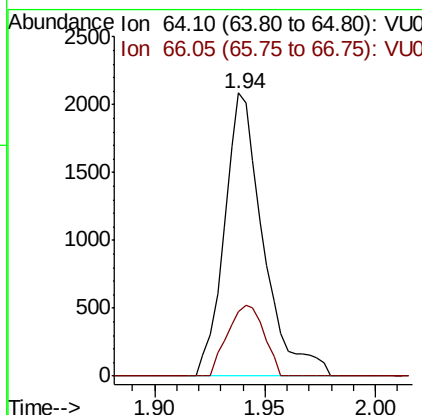
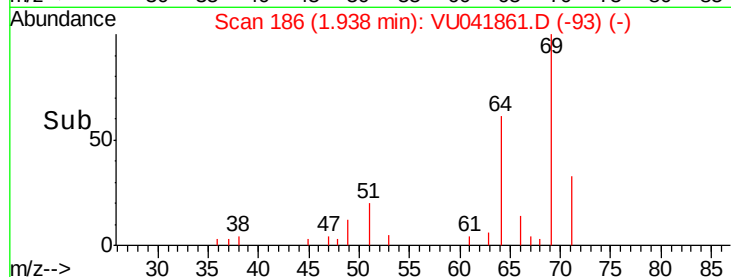
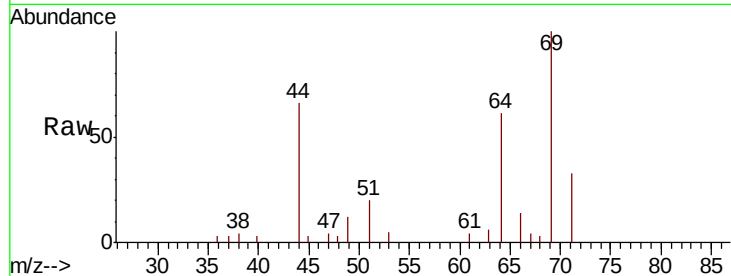




#8
Chloroethane
Concen: 0.276 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

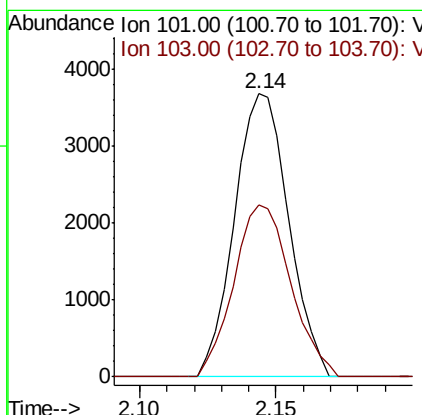
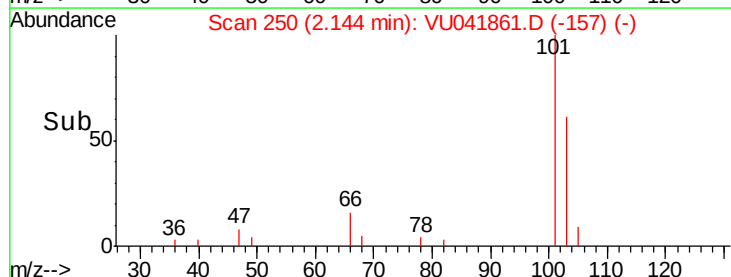
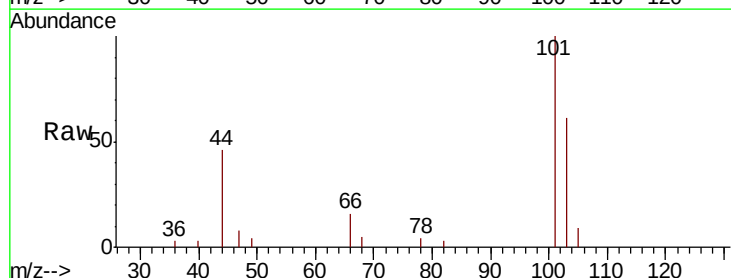
Instrument :
MSVOA_U
ClientSampled :

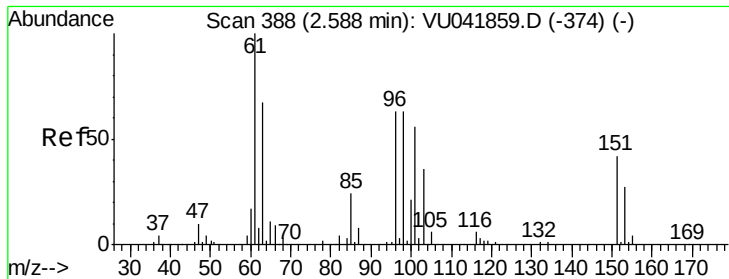
Tot Ion: 64 Resp: 2557
Ion Ratio Lower Upper
64 100
66 22.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 0.250 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion:101 Resp: 5070
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3





#10

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

Concen: 0.308 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampled :

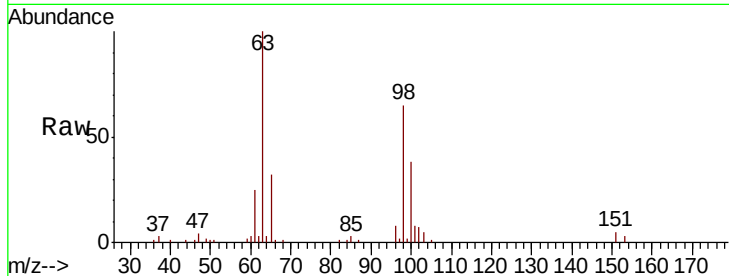
Tot Ion:101 Resp: 3513

Ion Ratio Lower Upper

101 100

85 30.1 34.5 51.7#

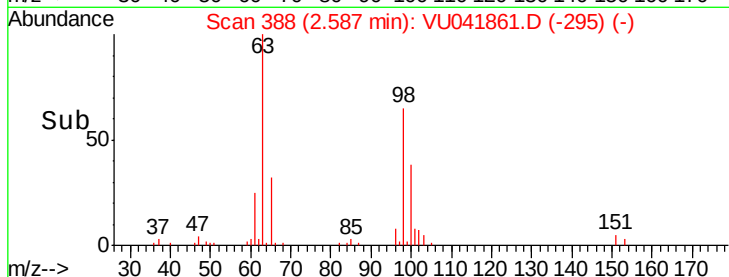
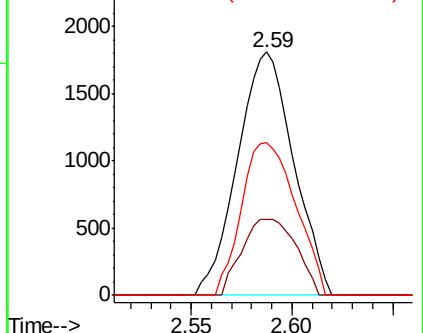
151 60.8 57.4 86.2



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: 0.296 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

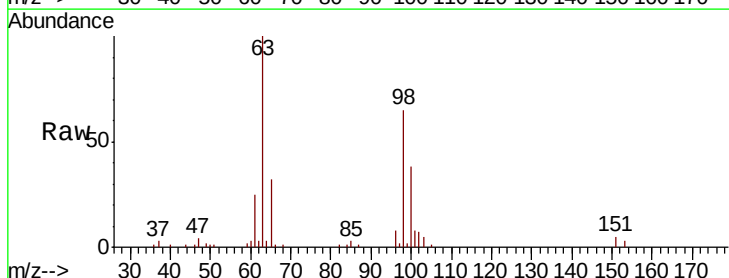
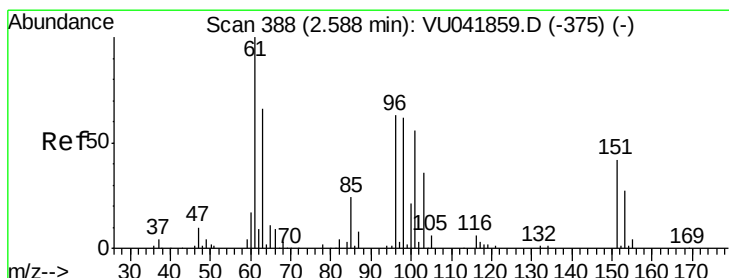
Tgt Ion: 96 Resp: 3344

Ion Ratio Lower Upper

96 100

61 295.6 115.1 213.7#

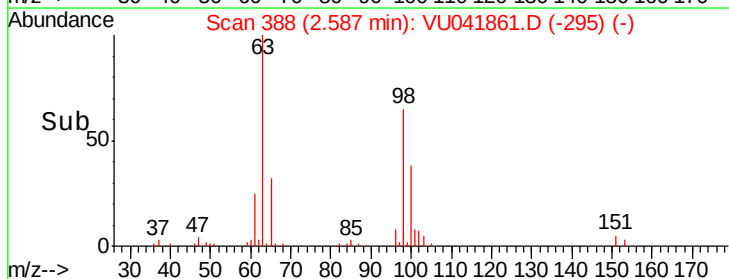
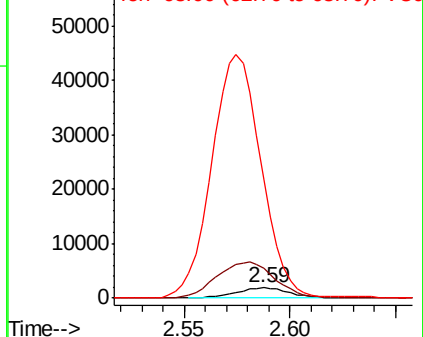
63 1177.0 84.1 156.1#

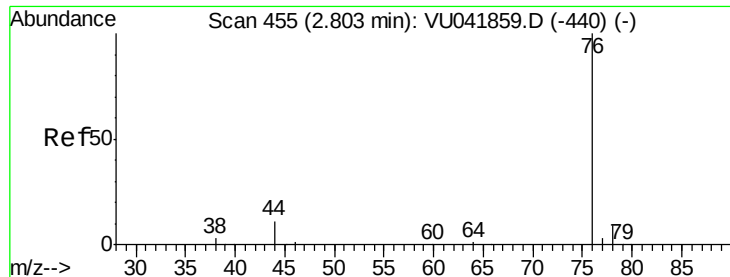


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.234 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

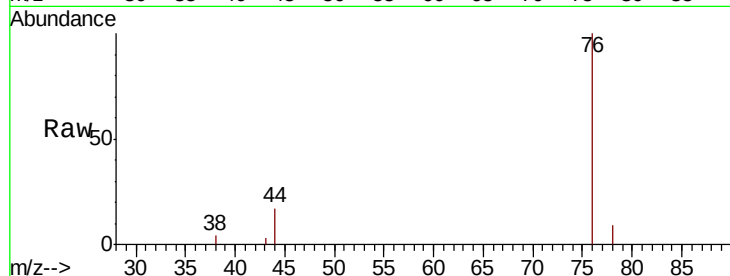
ClientSampleId :

Tot Ion: 76 Resp: 8846

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041859.D (-440) (-)

Ion 78.00 (77.70 to 78.70): VU041859.D (-440) (-)

2.80

6000

5000

4000

3000

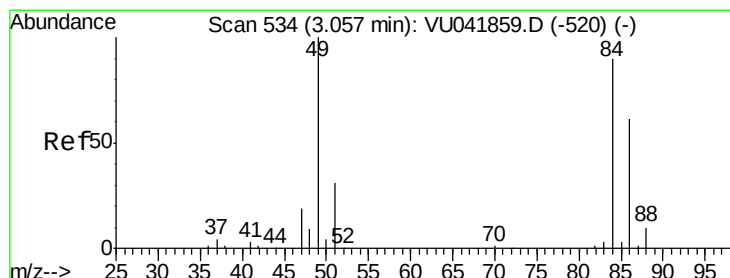
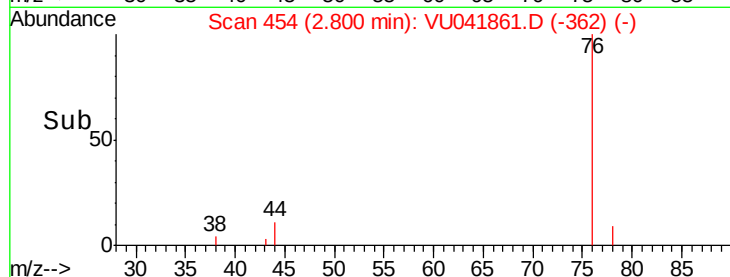
2000

1000

0

Time-->

2.75 2.80 2.85



#16

Methylene chloride

Concen: 0.290 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

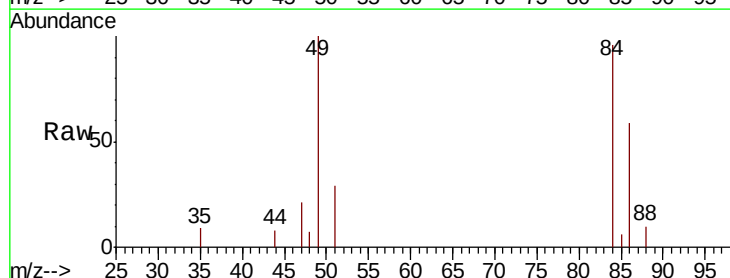
Tgt Ion: 84 Resp: 4163

Ion Ratio Lower Upper

84 100

86 61.4 44.9 83.5

49 104.7 79.0 146.8



Abundance Ion 84.05 (83.75 to 84.75): VU041859.D (-520) (-)

Ion 86.00 (85.70 to 86.70): VU041859.D (-520) (-)

Ion 49.10 (48.80 to 49.80): VU041859.D (-520) (-)

3000

2500

2000

1500

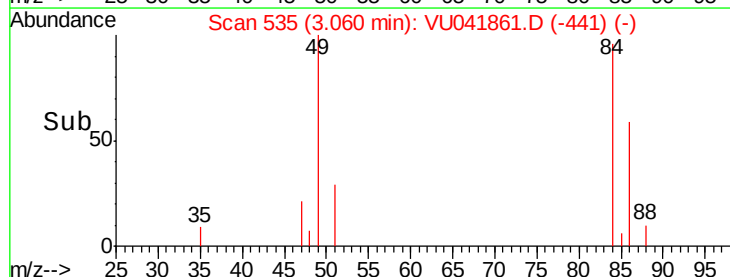
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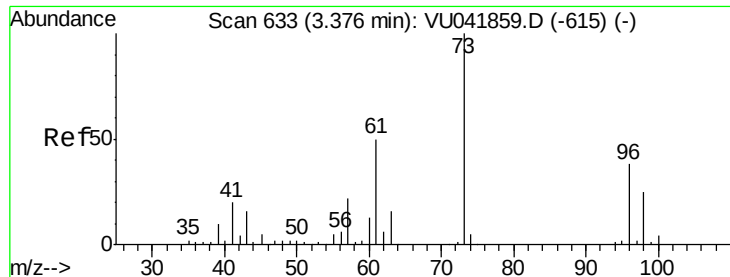
500

0

Time-->

3.00 3.05 3.10

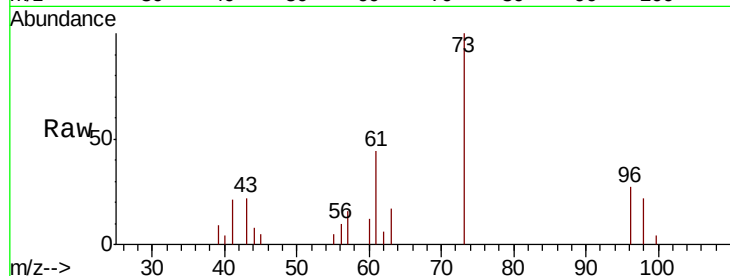




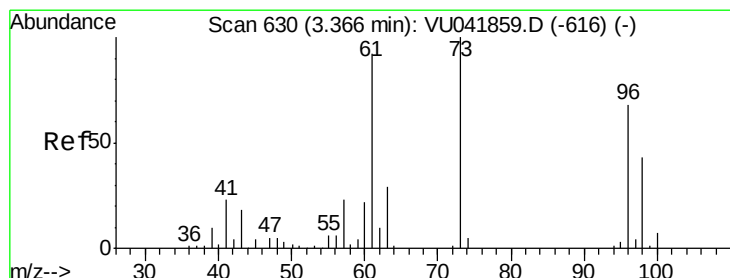
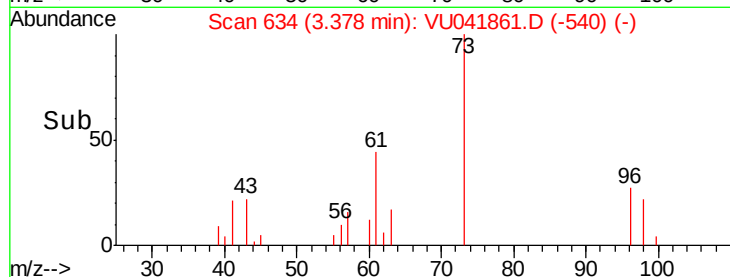
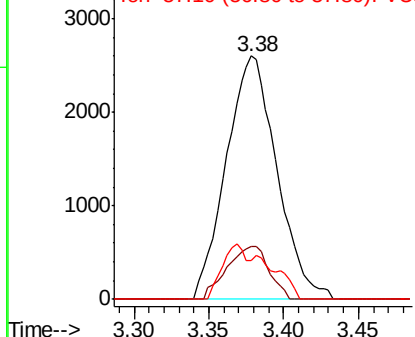
#17
Methyl tert-butyl Ether
Concen: 0.224 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 6126
Ion Ratio Lower Upper
73 100
43 18.1 15.0 22.4
57 11.8 17.3 25.9#

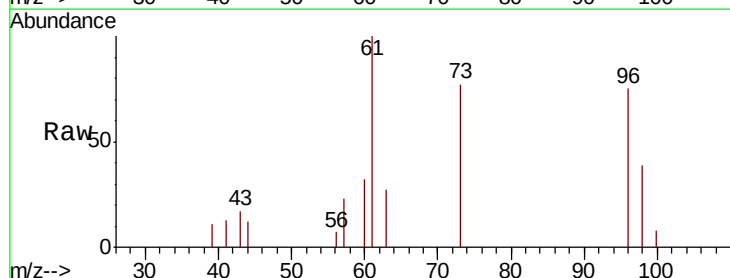


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

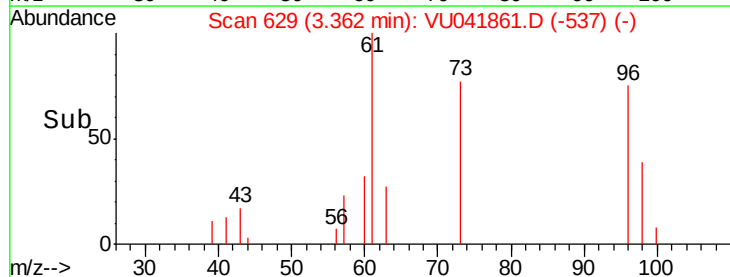
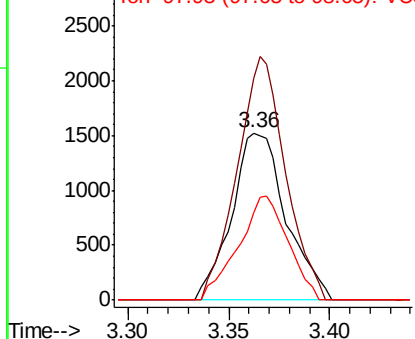


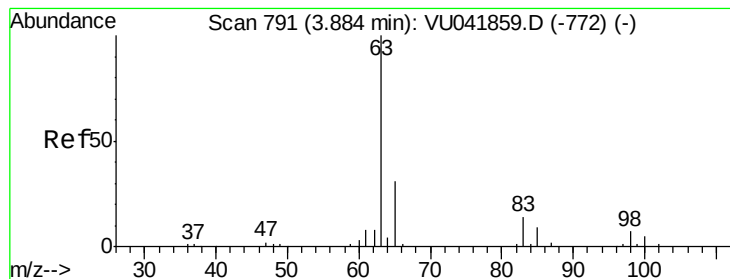
#18
trans-1,2-Dichloroethene
Concen: 0.262 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 96 Resp: 2870
Ion Ratio Lower Upper
96 100
61 132.8 96.6 179.4
98 52.2 44.7 82.9



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





#19

1,1-Dichloroethane

Concen: 0.238 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampled :

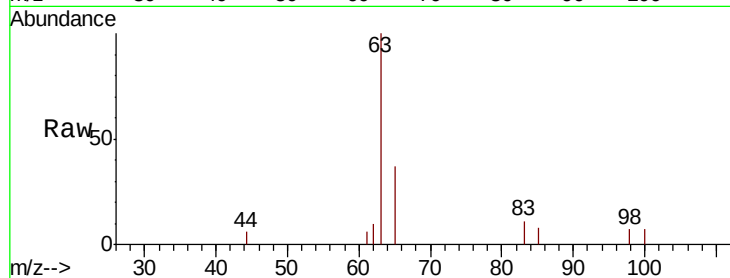
Tot Ion: 63 Resp: 4626

Ion Ratio Lower Upper

63 100

65 37.1 23.2 43.0

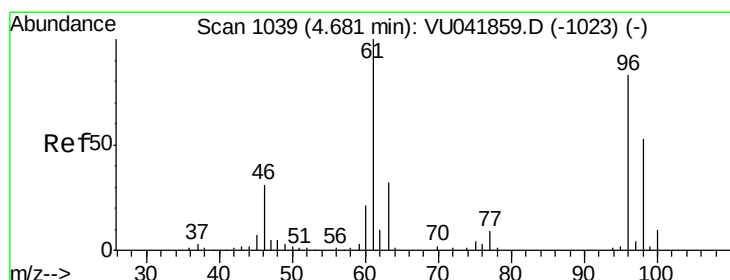
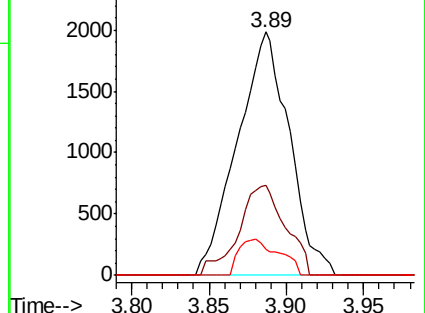
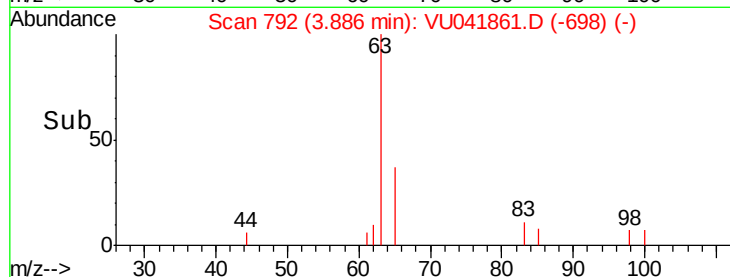
83 10.8 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041861.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041861.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041861.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.251 ug/L

RT: 4.68 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

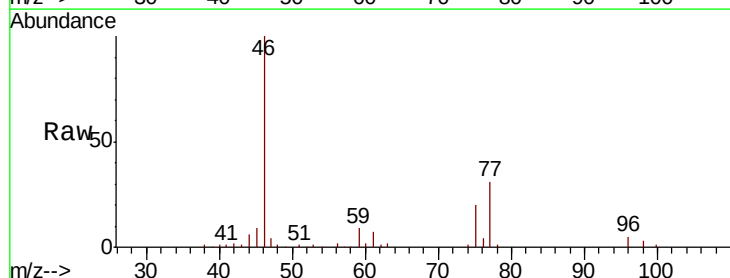
Tgt Ion: 96 Resp: 2856

Ion Ratio Lower Upper

96 100

61 124.1 87.4 162.4

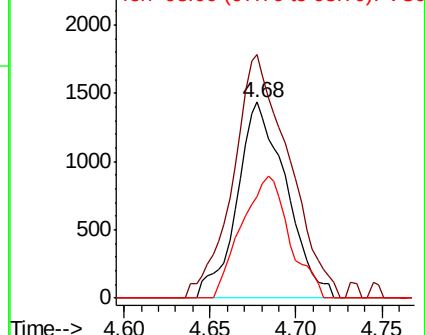
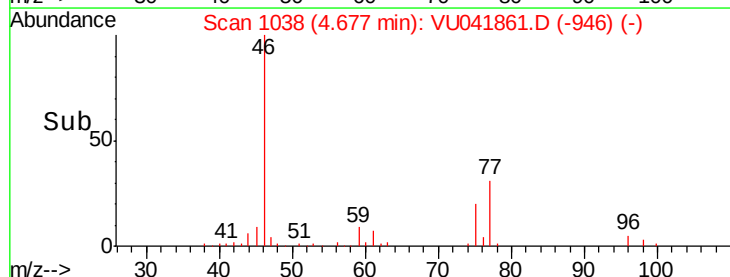
98 52.0 47.7 88.5

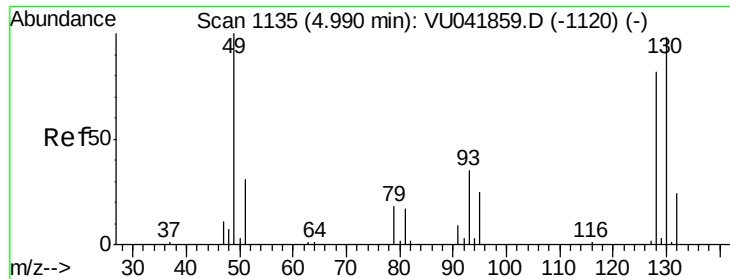


Abundance Ion 96.00 (95.70 to 96.70): VU041861.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041861.D (-946) (-)

Ion 98.00 (97.70 to 98.70): VU041861.D (-946) (-)



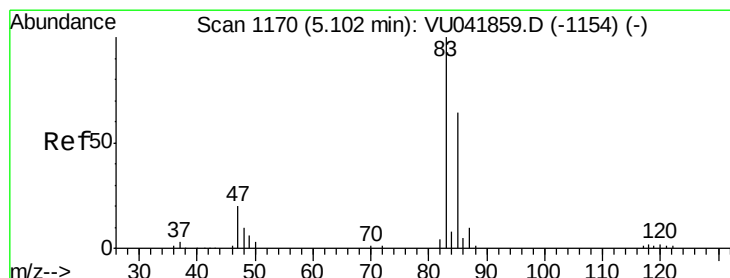
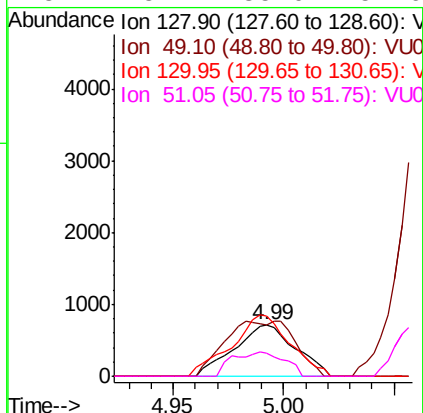
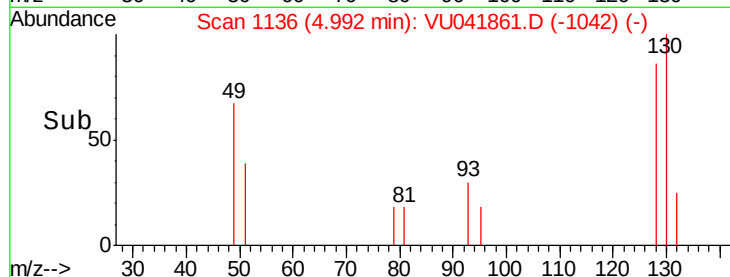
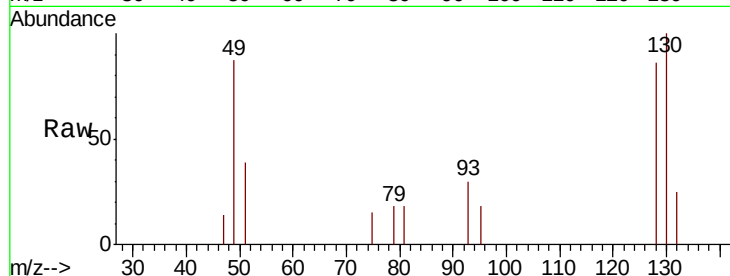


#23
 Bromochloromethane
 Concen: 0.247 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:128 Resp: 1363

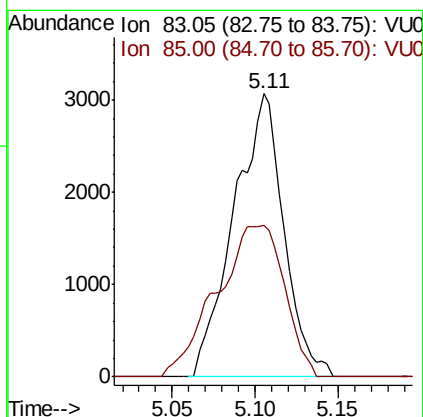
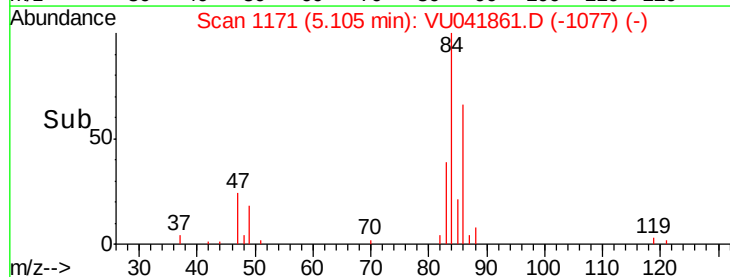
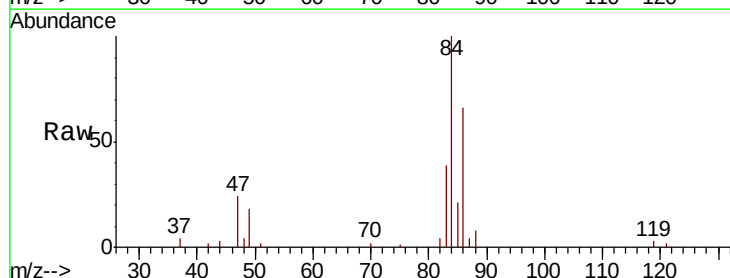
Ion	Ratio	Lower	Upper
128	100		
49	101.0	96.4	179.0
130	116.7	91.2	169.4
51	45.4	35.0	52.6

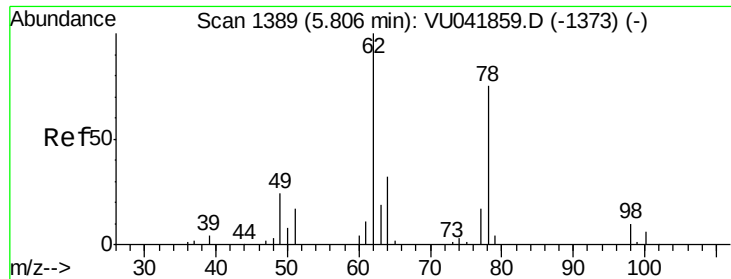


#25
 Chloroform
 Concen: 0.327 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 83 Resp: 6420

Ion	Ratio	Lower	Upper
83	100		
85	53.6	45.6	84.8

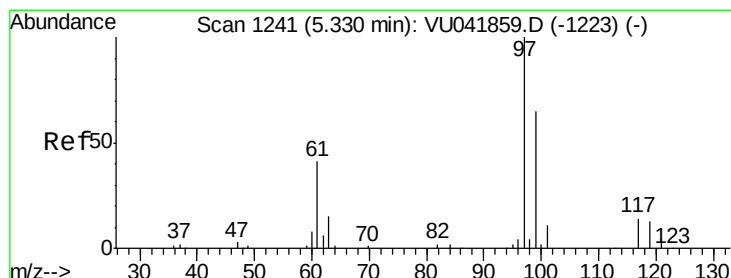
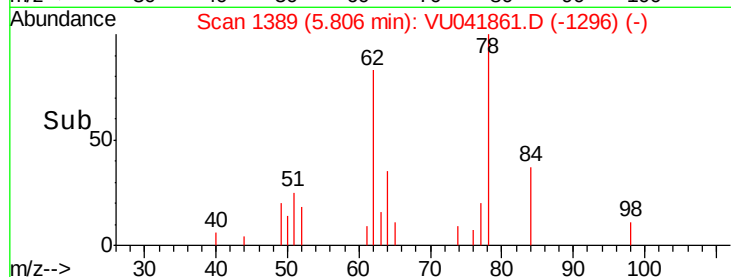
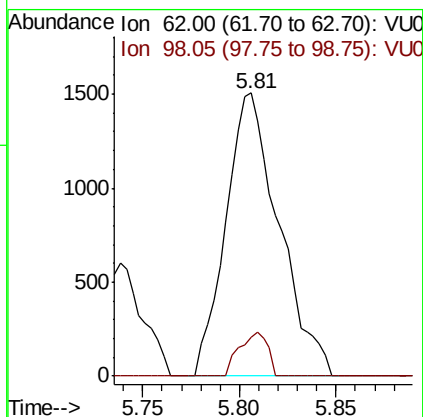
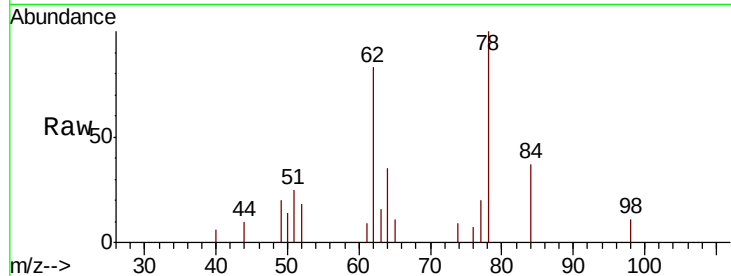




#27
 1,2-Dichloroethane
 Concen: 0.225 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

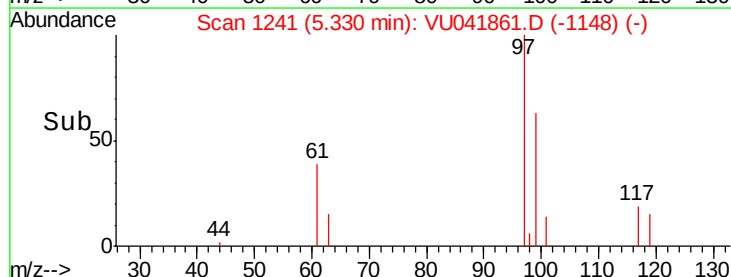
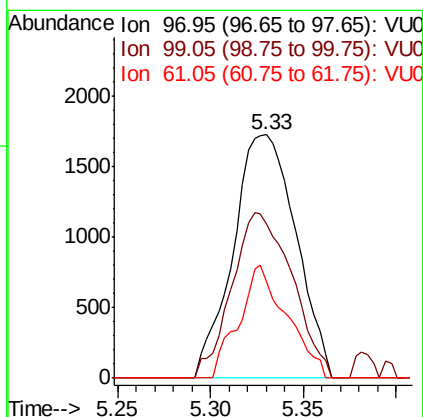
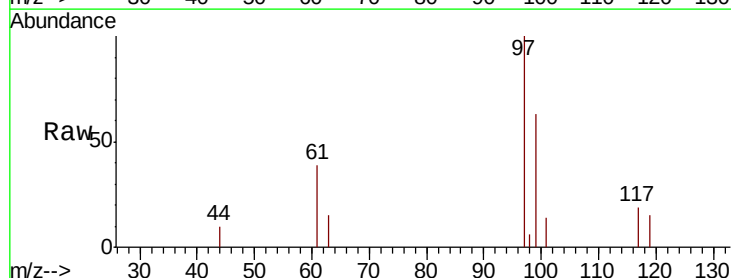
Instrument :
 MSVOA_U
 ClientSampleId :

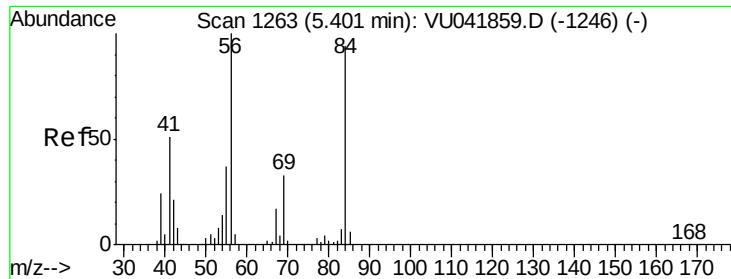
Tot Ion: 62 Resp: 2867
 Ion Ratio Lower Upper
 62 100
 98 13.7 7.5 11.3#



#29
 1,1,1-Trichloroethane
 Concen: 0.236 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 97 Resp: 4084
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.3 75.5
 61 35.4 32.7 49.1

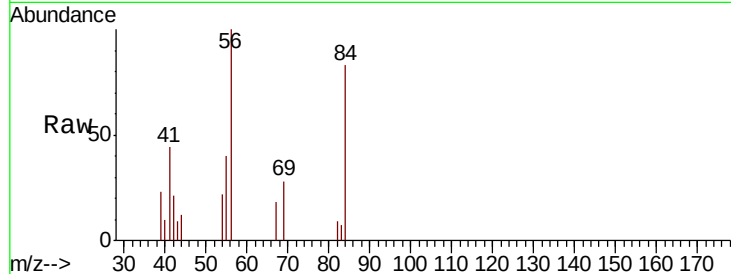




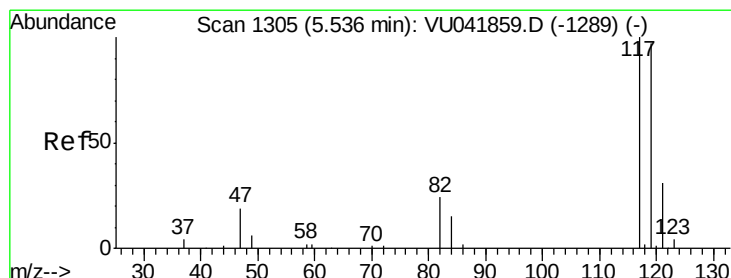
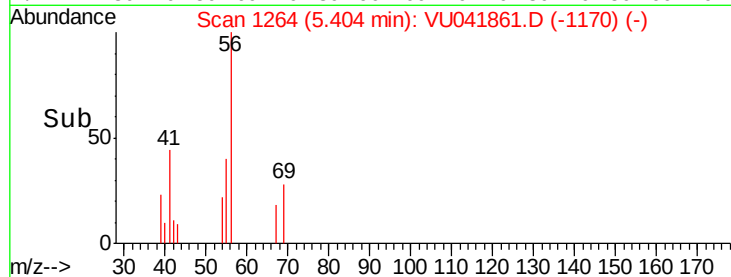
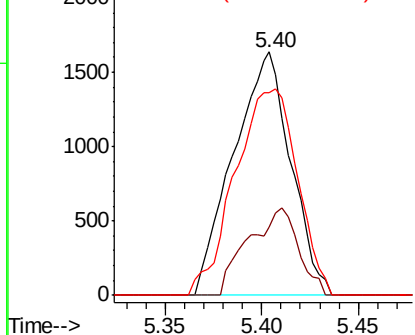
#30
Cyclohexane
Concen: 0.212 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 3378
Ion Ratio Lower Upper
56 100
69 31.2 25.2 37.8
84 91.9 76.2 114.4

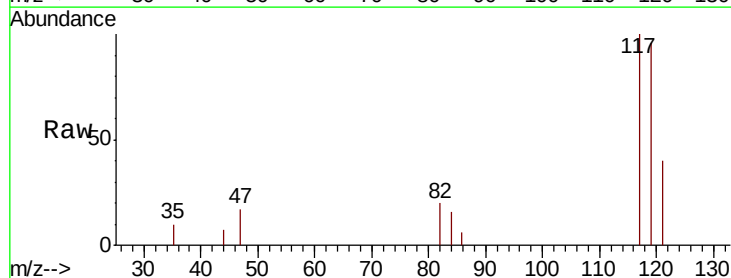


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

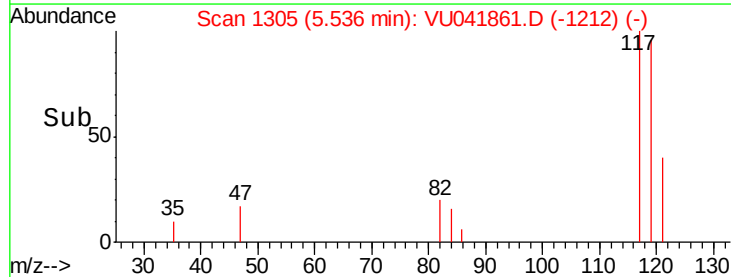
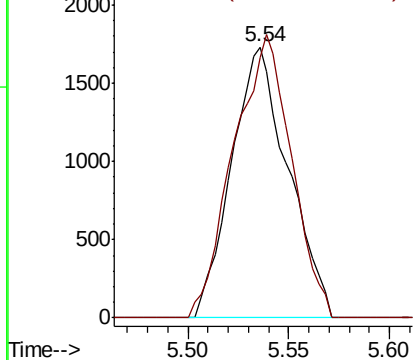


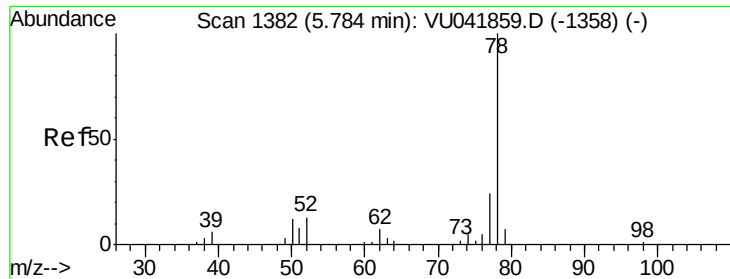
#31
Carbon tetrachloride
Concen: 0.221 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 117 Resp: 3391
Ion Ratio Lower Upper
117 100
119 106.8 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: 0.241 ug/L

RT: 5.78 min Scan# 1382

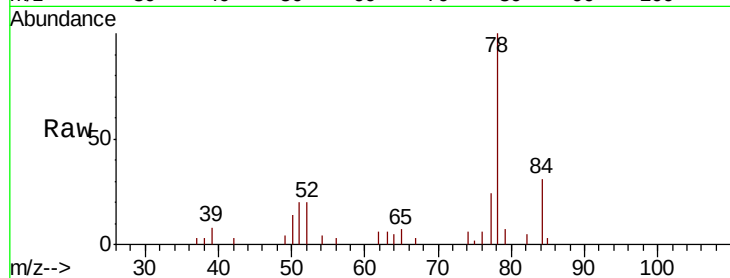
Delta R.T. -0.00 min

Lab File: VU041861.D

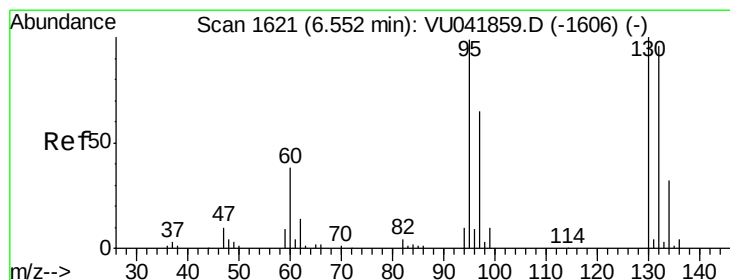
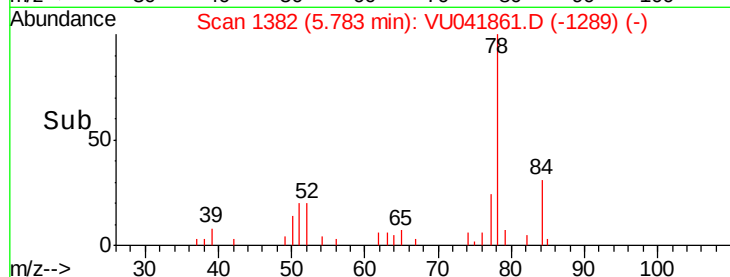
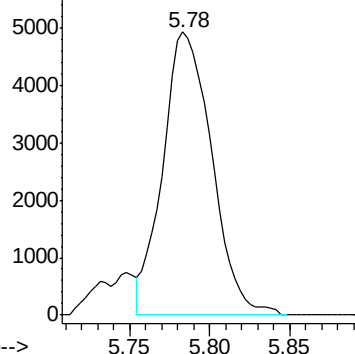
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 10384



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.242 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion: 95 Resp: 2726

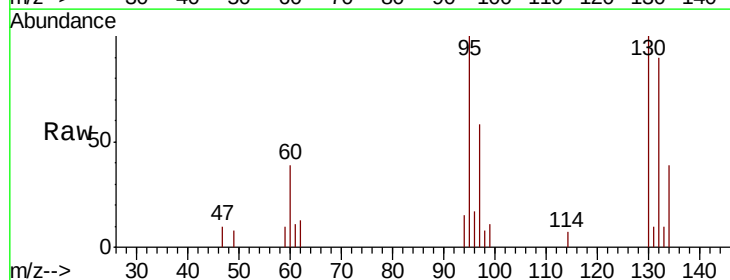
Ion Ratio Lower Upper

95 100

97 58.2 45.8 85.2

132 90.1 68.7 127.7

130 100.4 70.1 130.3

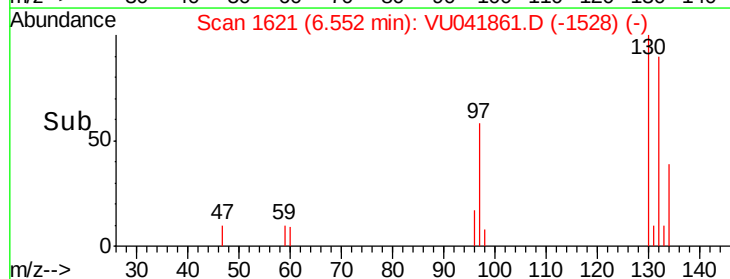
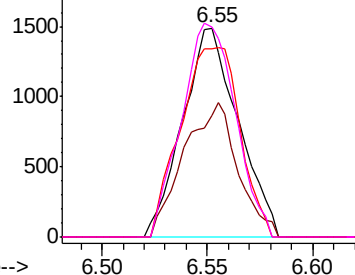


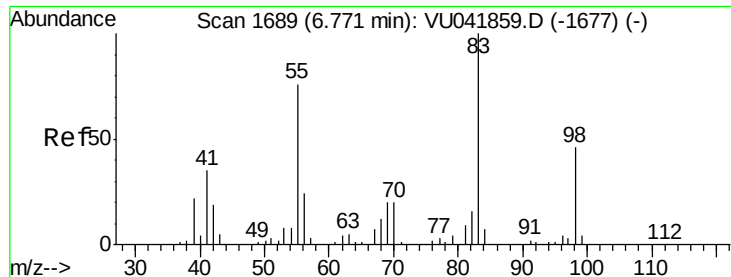
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

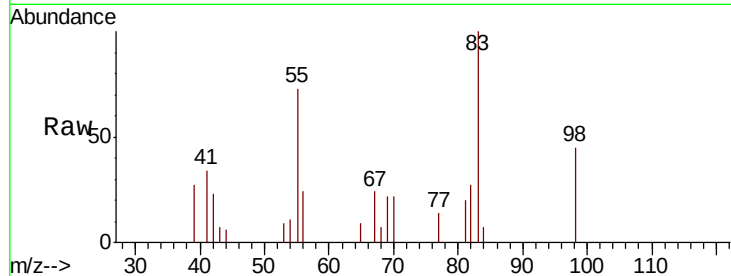




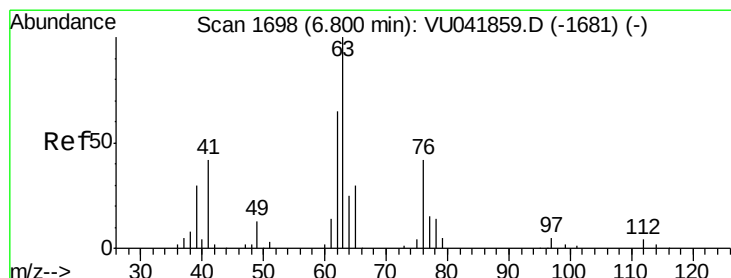
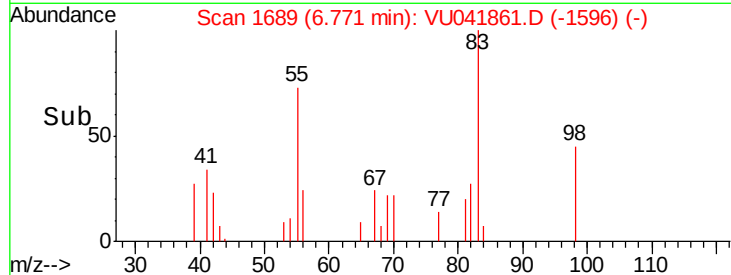
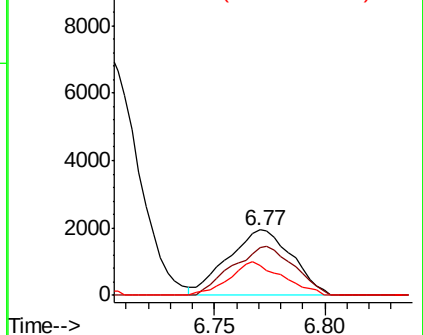
#35
Methylcyclohexane
Concen: 0.227 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 3920
Ion Ratio Lower Upper
83 100
55 71.1 59.5 89.3
98 42.3 37.9 56.9

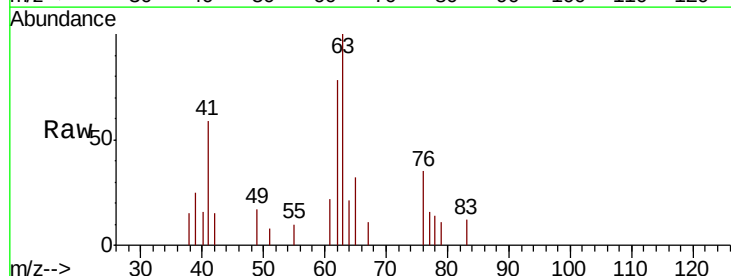


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

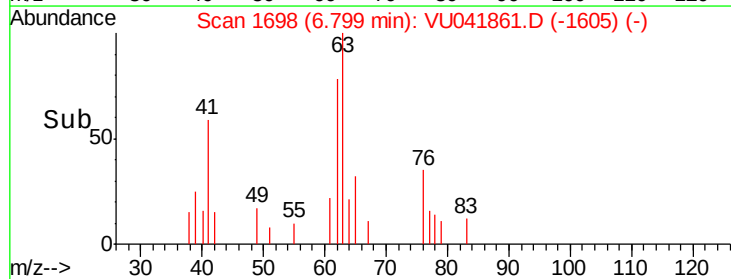
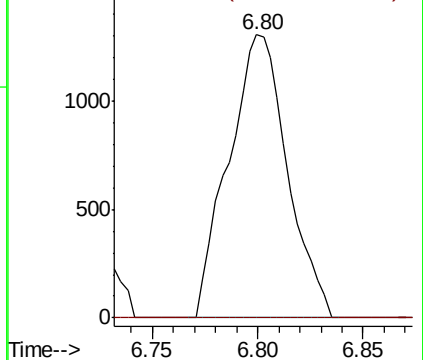


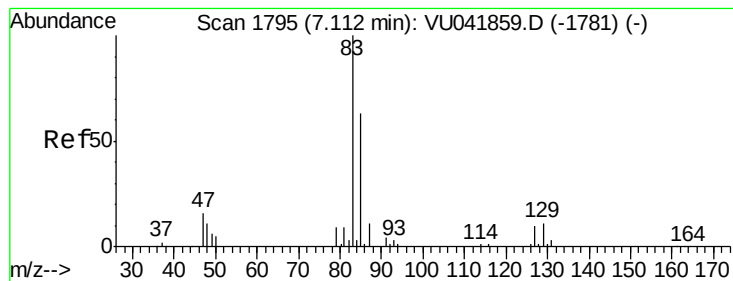
#37
1,2-Dichloropropane
Concen: 0.235 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 63 Resp: 2523
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.247 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampled :

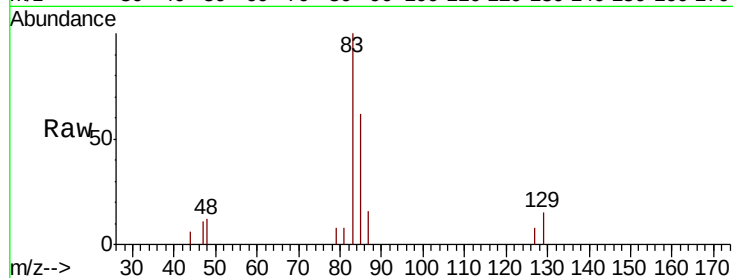
Tot Ion: 83 Resp: 3470

Ion Ratio Lower Upper

83 100

85 62.4 44.6 82.8

127 7.7 7.4 11.2

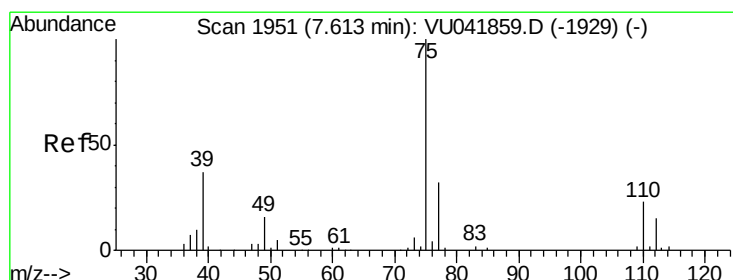
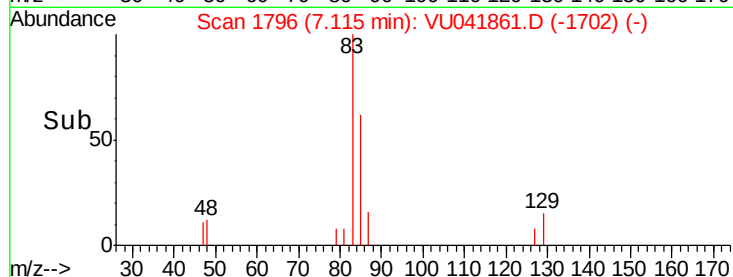


Abundance Ion 82.95 (82.65 to 83.65): VU041861.D (-1796) (-)

Ion 85.00 (84.70 to 85.70): VU041861.D (-1796) (-)

Ion 126.90 (126.60 to 127.60): VU041861.D (-1796) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.267 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU041861.D

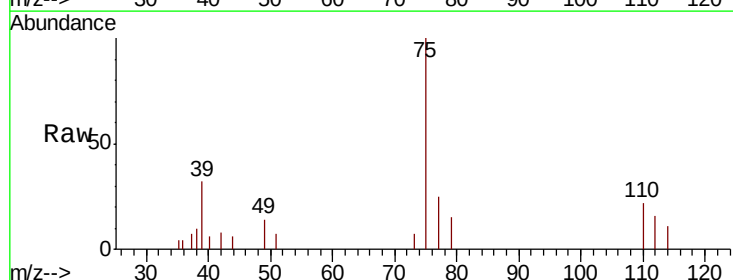
Acq: 06 Jan 2021 14:04

Tgt Ion: 75 Resp: 4291

Ion Ratio Lower Upper

75 100

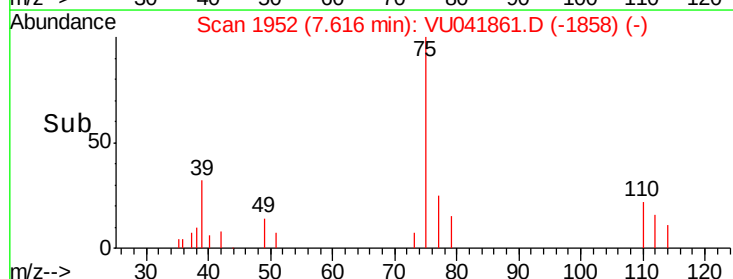
77 25.4 21.8 40.6

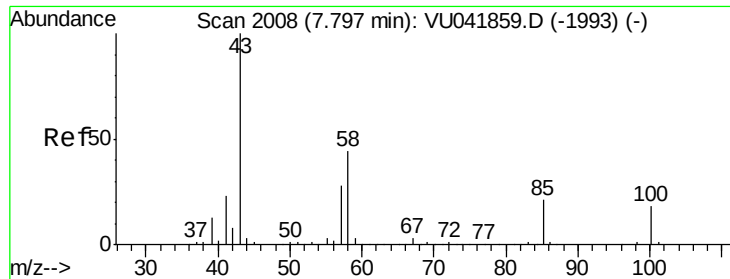


Abundance Ion 75.05 (74.75 to 75.75): VU041861.D (-1951) (-)

Ion 77.05 (76.75 to 77.75): VU041861.D (-1951) (-)

Time-->

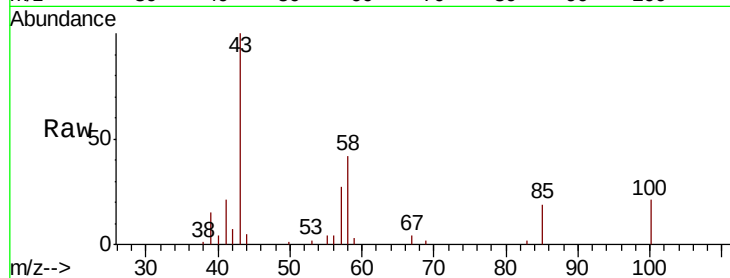




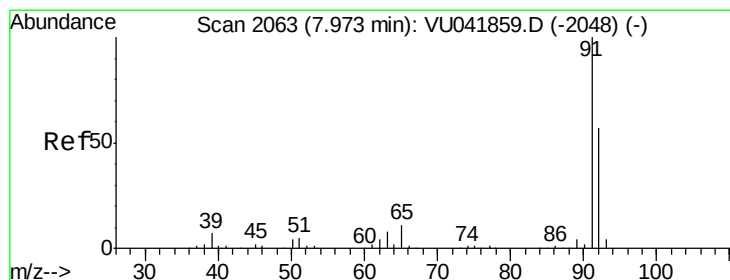
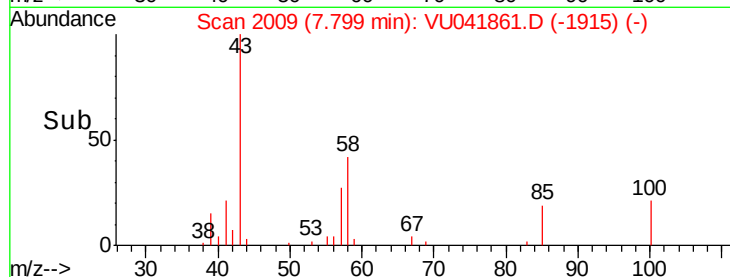
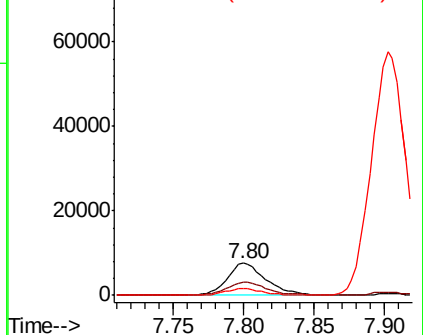
#40
4-Methyl-2-pentanone
Concen: 2.133 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 14635
Ion Ratio Lower Upper
43 100
58 43.0 35.8 53.6
100 0.0 15.1 22.7#

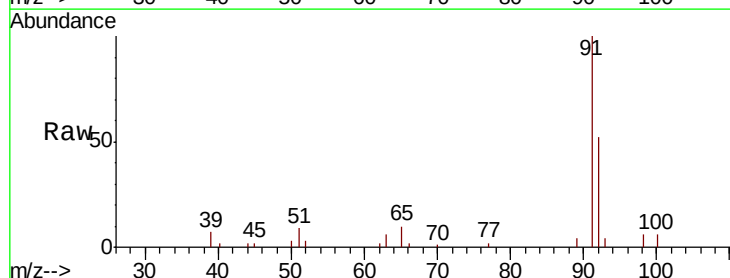


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

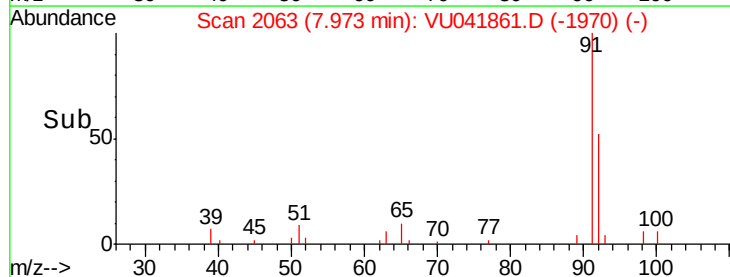
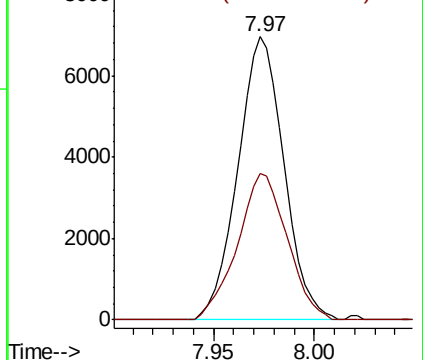


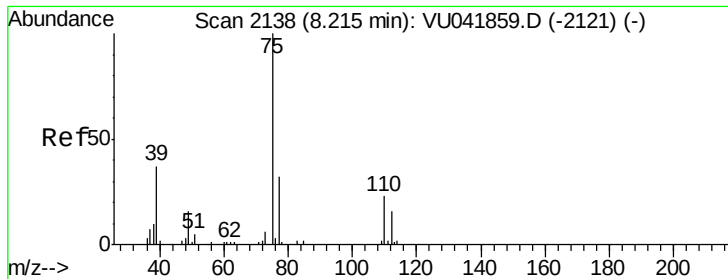
#42
Toluene
Concen: 0.245 ug/L
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 91 Resp: 11132
Ion Ratio Lower Upper
91 100
92 51.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.222 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

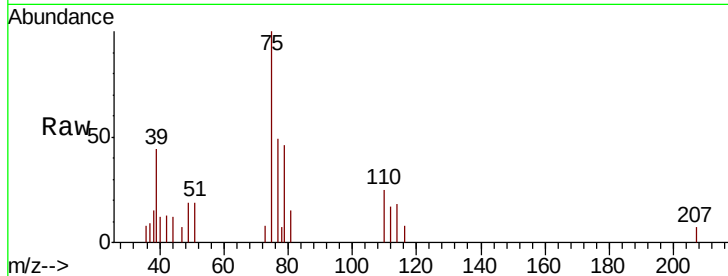
ClientSampleId :

Tot Ion: 75 Resp: 3267

Ion Ratio Lower Upper

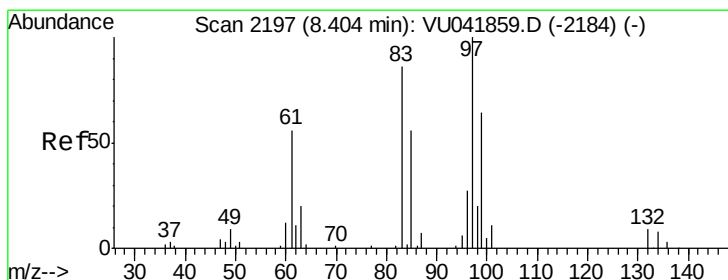
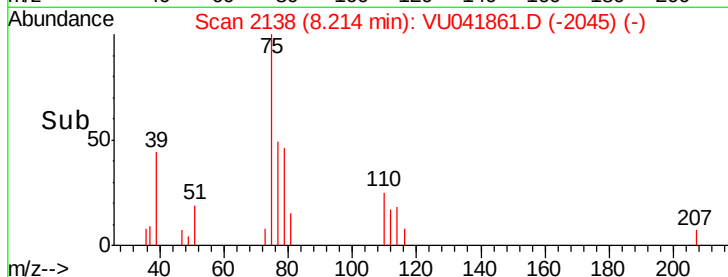
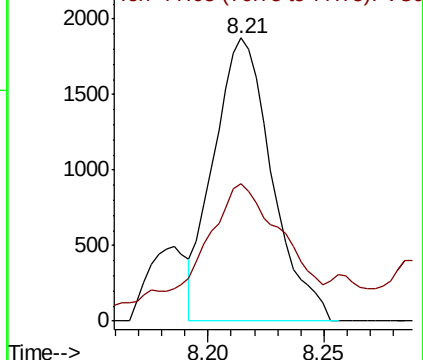
75 100

77 48.6 23.4 43.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.225 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion: 97 Resp: 1955

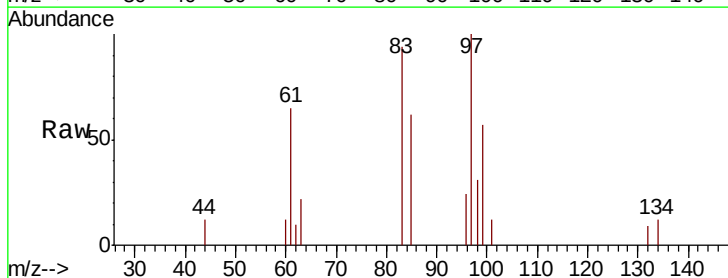
Ion Ratio Lower Upper

97 100

99 57.3 44.2 82.0

83 94.1 60.1 111.7

85 62.5 37.3 69.3

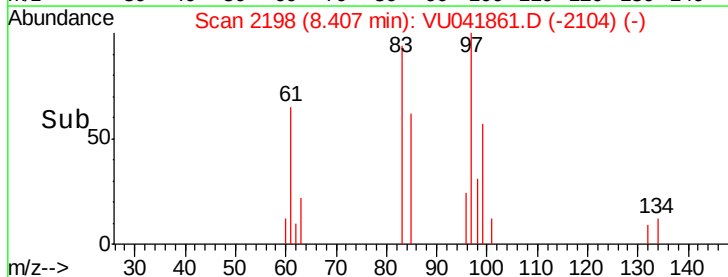
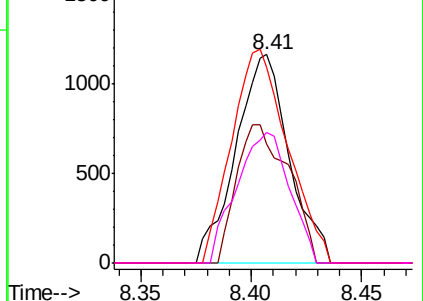


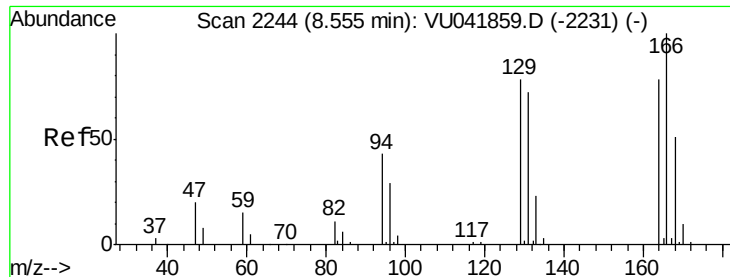
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

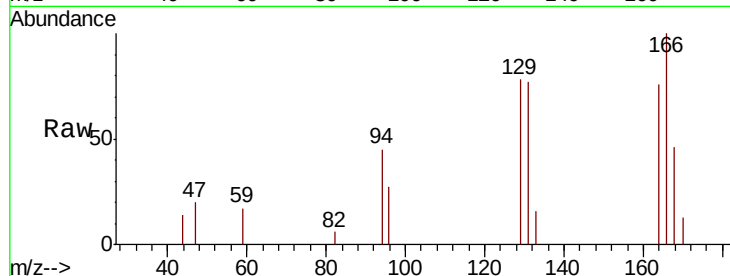




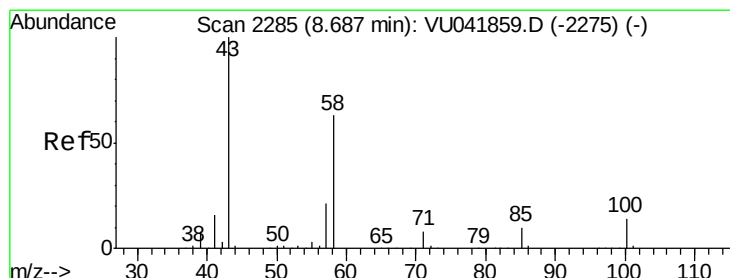
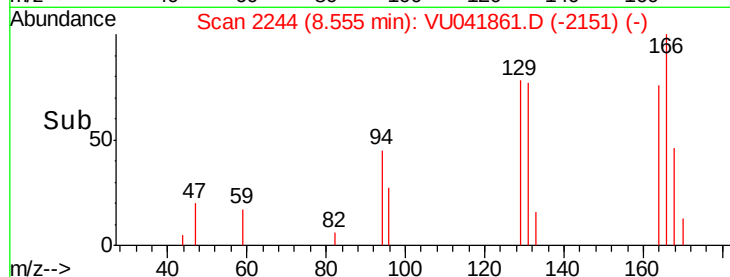
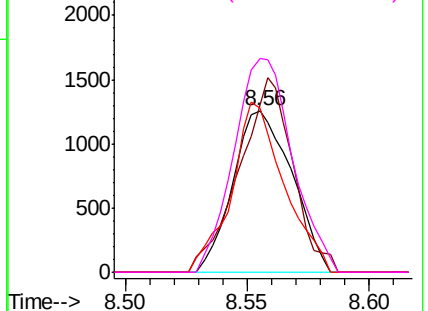
#47
Tetrachloroethene
Concen: 0.239 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 2110
Ion Ratio Lower Upper
164 100
129 103.5 66.6 123.8
131 101.5 65.9 122.3
166 132.1 93.7 173.9

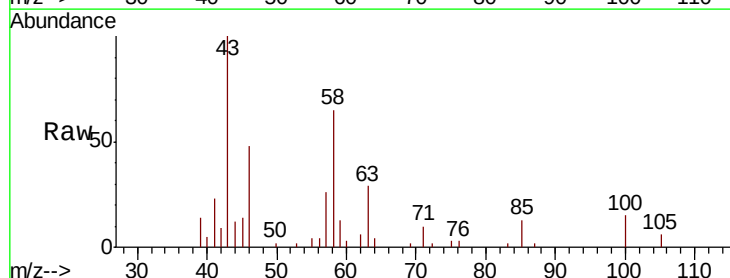


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

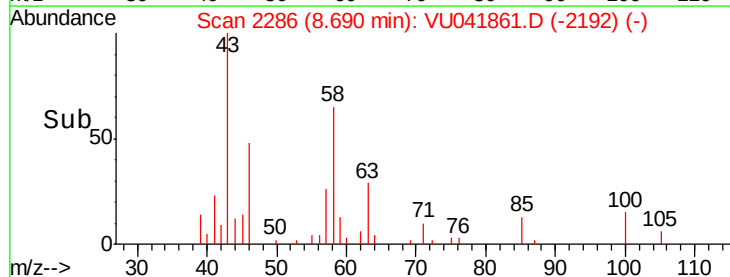
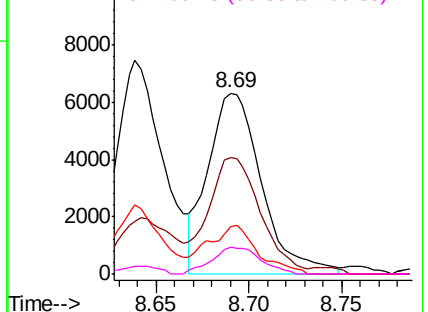


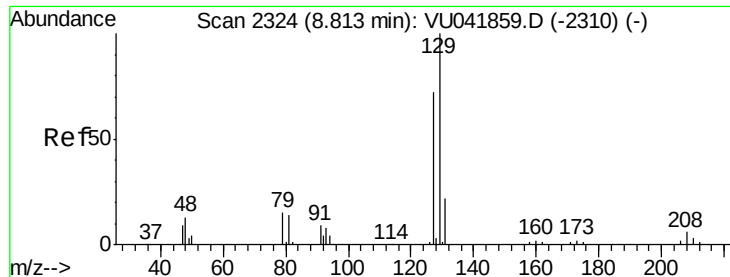
#48
2-Hexanone
Concen: 2.534 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 43 Resp: 12713
Ion Ratio Lower Upper
43 100
58 58.9 50.0 75.0
57 25.8 17.4 26.0
100 13.6 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: 0.219 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

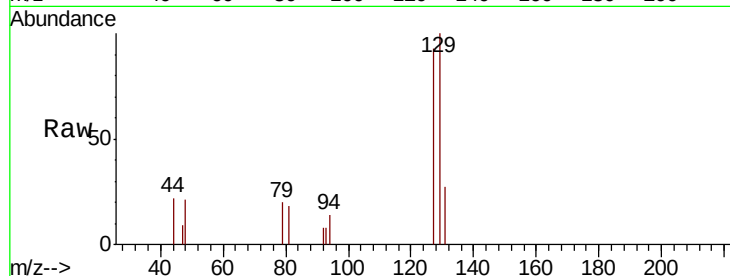
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 2282

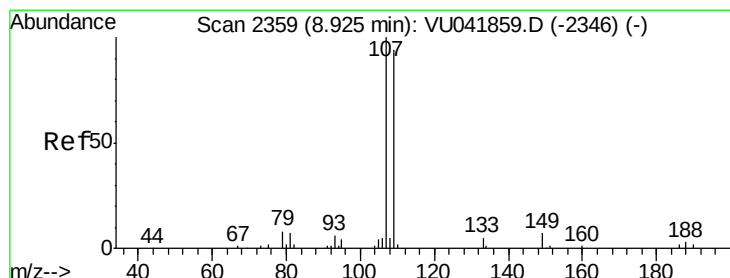
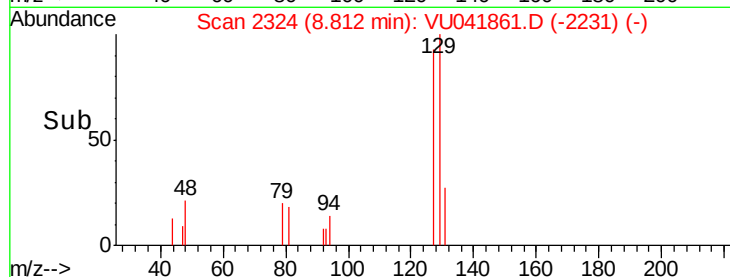
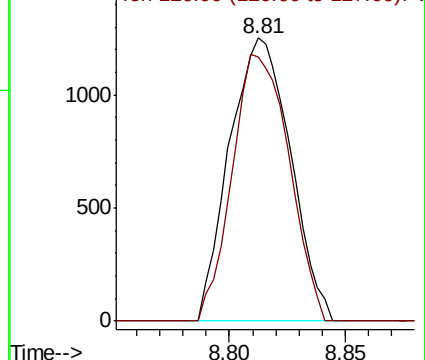
Ion Ratio Lower Upper

129 100

127 93.5 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: 0.235 ug/L

RT: 8.92 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

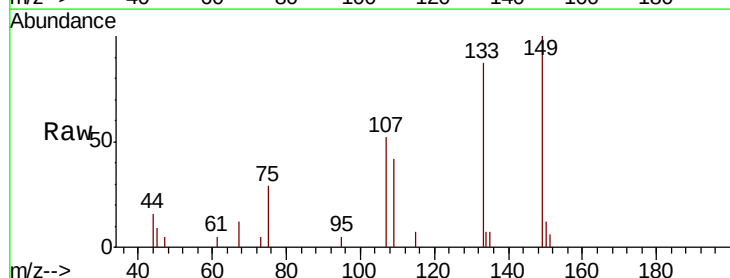
Tgt Ion:107 Resp: 2018

Ion Ratio Lower Upper

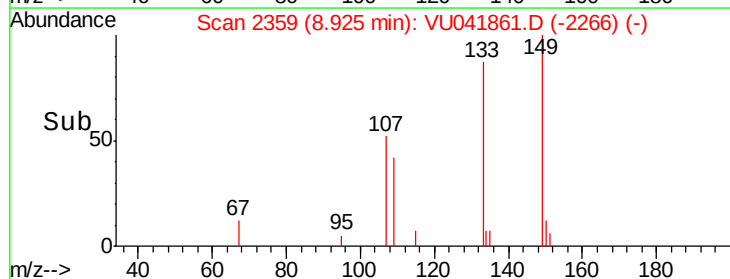
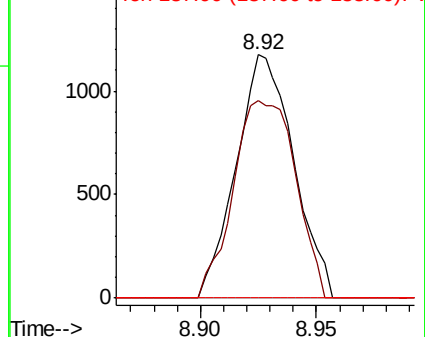
107 100

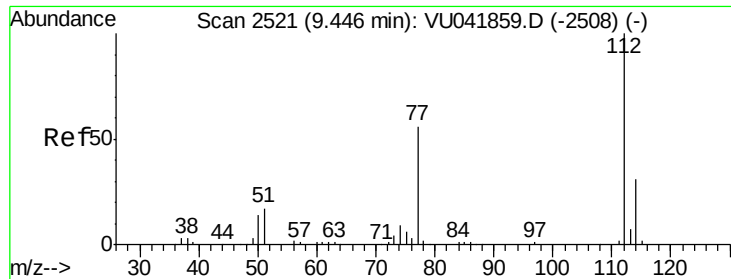
109 81.0 65.4 121.4

188 0.0 2.5 3.7#



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

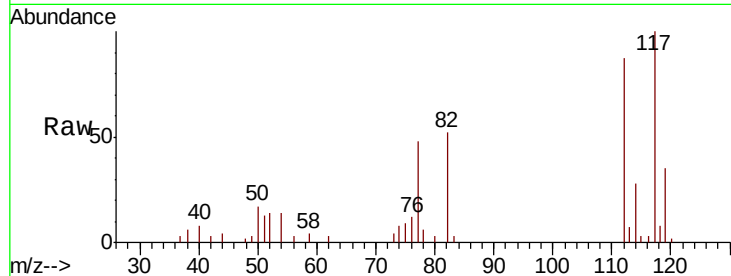




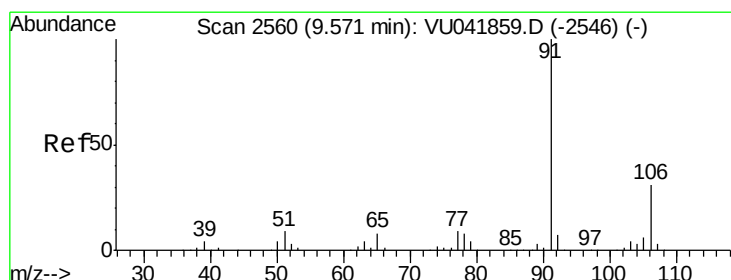
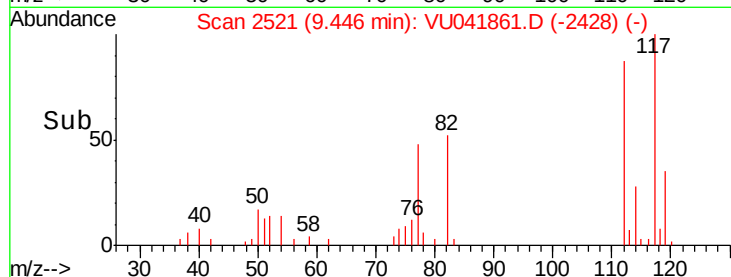
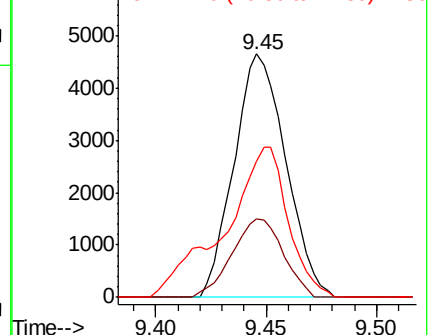
#51
Chlorobenzene
Concen: 0.254 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 7584
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 55.7 45.1 67.7

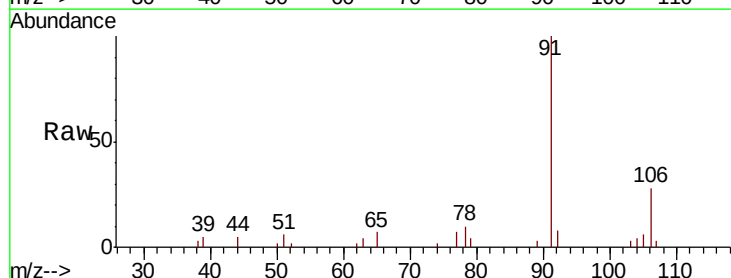


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

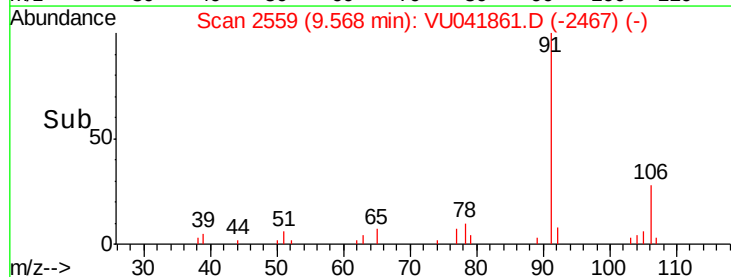
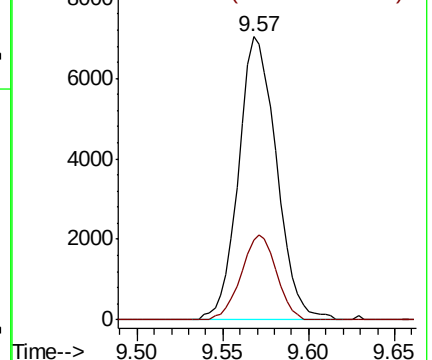


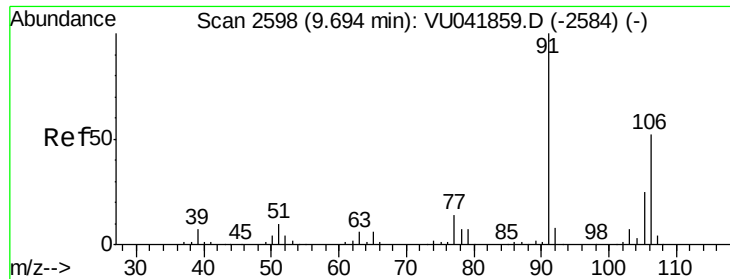
#52
Ethylbenzene
Concen: 0.228 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 91 Resp: 10798
Ion Ratio Lower Upper
91 100
106 28.1 22.0 40.8



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





#53

m,p-Xylene

Concen: 0.208 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

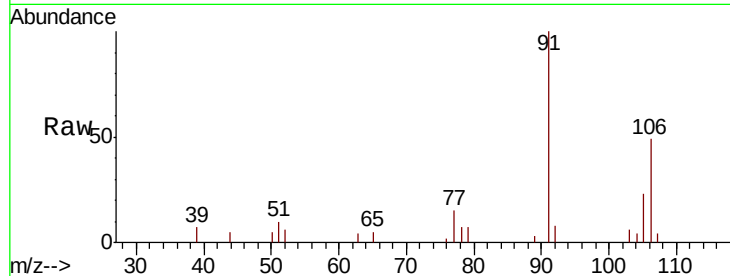
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3871

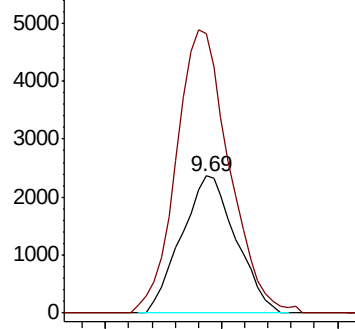
Ion Ratio Lower Upper

106 100

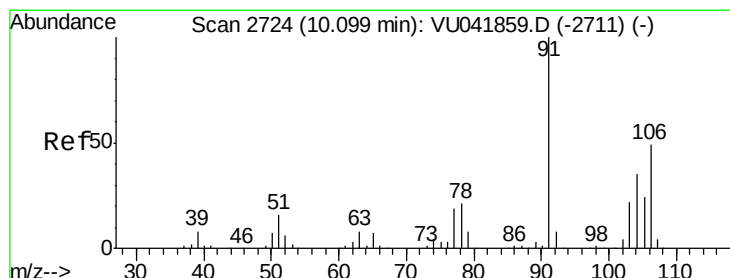
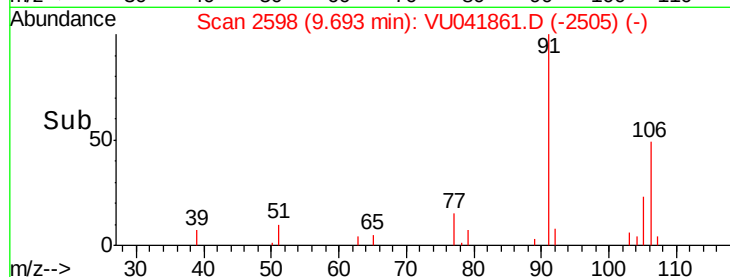
91 203.9 137.6 255.6



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



Time-->



#54

o-Xylene

Concen: 0.213 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041861.D

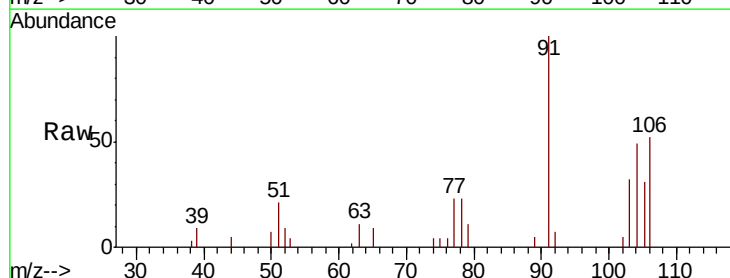
Acq: 06 Jan 2021 14:04

Tgt Ion:106 Resp: 3770

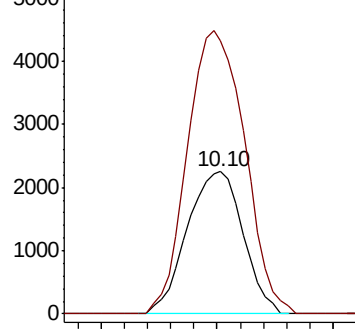
Ion Ratio Lower Upper

106 100

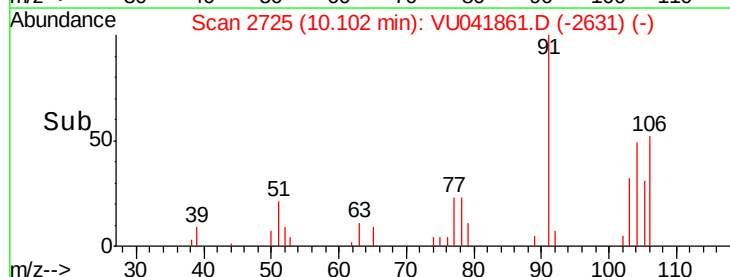
91 191.8 148.5 275.9

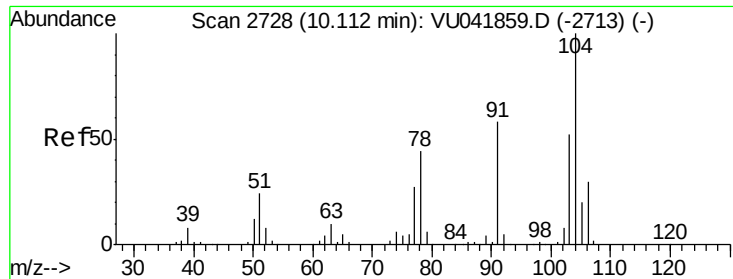


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



Time-->

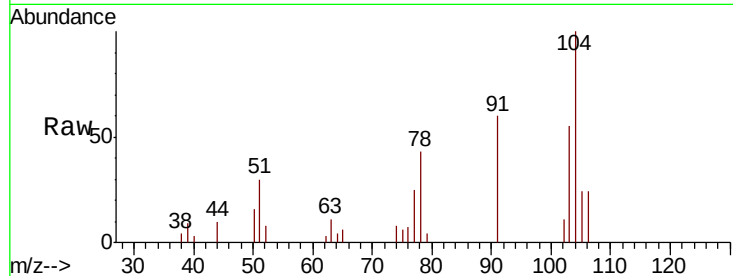




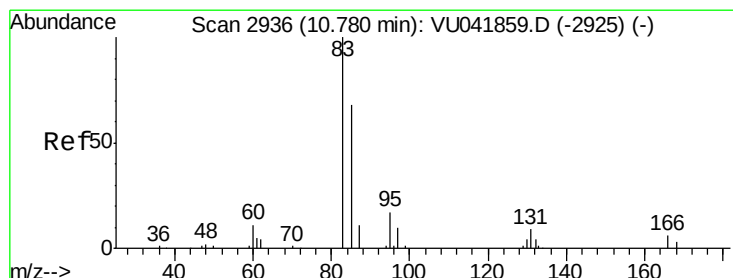
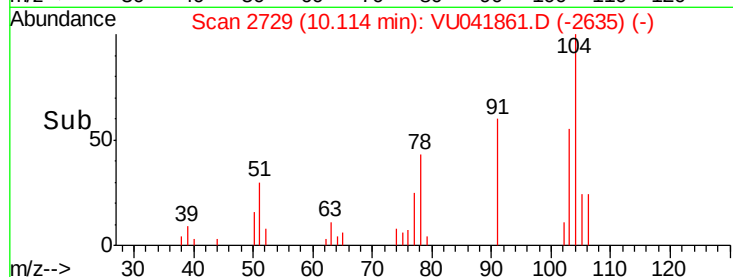
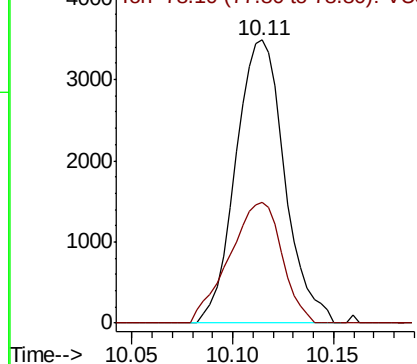
#55
Stvrene
Concen: 0.194 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:104 Resp: 5915
Ion Ratio Lower Upper
104 100
78 42.6 32.3 60.1

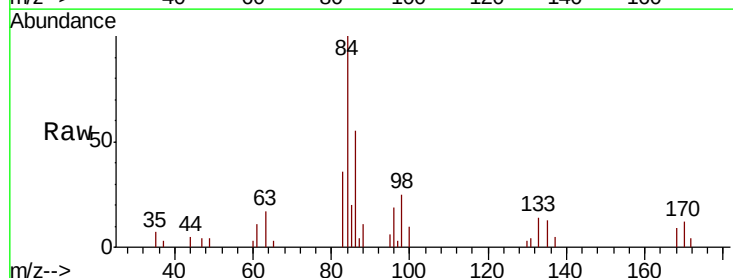


Abundance Ion 104.10 (103.80 to 104.80): VU041859.D (-2713) (-)
Ion 78.10 (77.80 to 78.80): VU041859.D (-2713) (-)

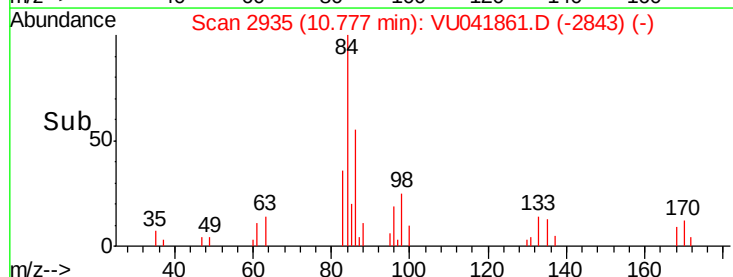
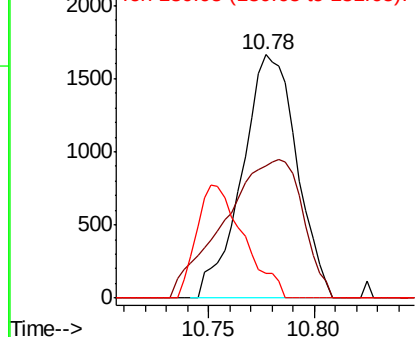


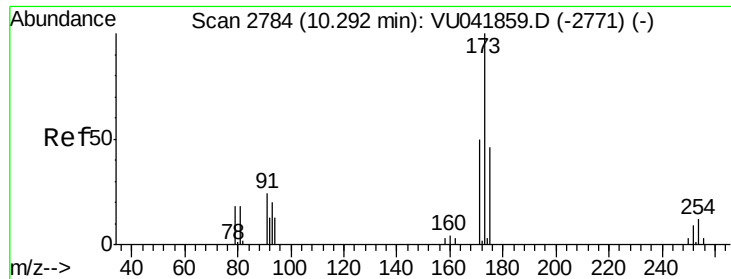
#57
1,1,2,2-Tetrachloroethane
Concen: 0.263 ug/L
RT: 10.78 min Scan# 2935
Delta R.T. -0.00 min
Lab File: VU041861.D
Acq: 06 Jan 2021 14:04

Tgt Ion: 83 Resp: 2995
Ion Ratio Lower Upper
83 100
85 54.6 44.9 83.5
131 10.3 8.2 12.4



Abundance Ion 82.95 (82.65 to 83.65): VU041859.D (-2925) (-)
Ion 85.00 (84.70 to 85.70): VU041859.D (-2925) (-)
Ion 130.95 (130.65 to 131.65): VU041859.D (-2925) (-)





#59

Bromoform

Concen: 0.256 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampled :

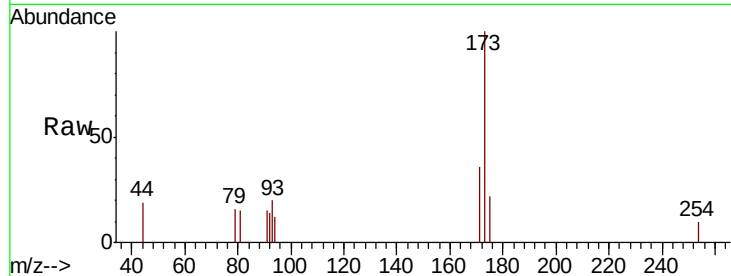
Tot Ion:173 Resp: 1541

Ion Ratio Lower Upper

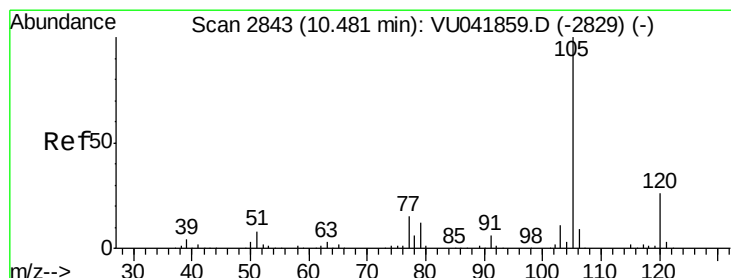
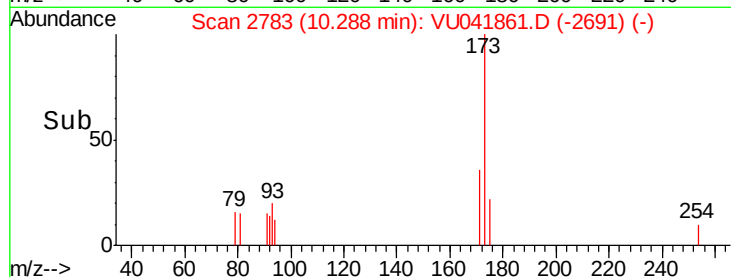
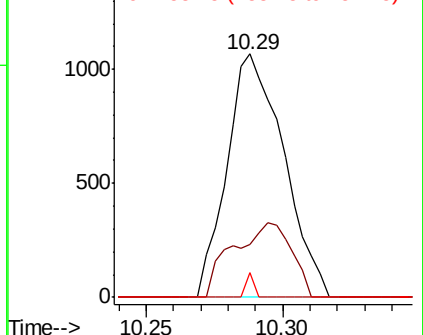
173 100

175 31.5 39.4 59.0#

254 1.3 8.0 12.0#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.215 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

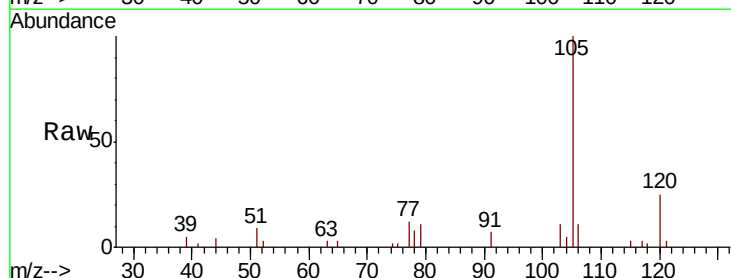
Tgt Ion:105 Resp: 9398

Ion Ratio Lower Upper

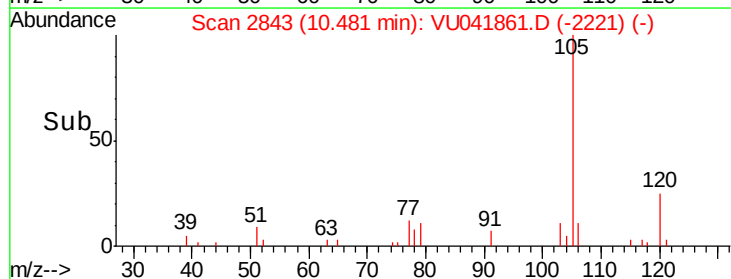
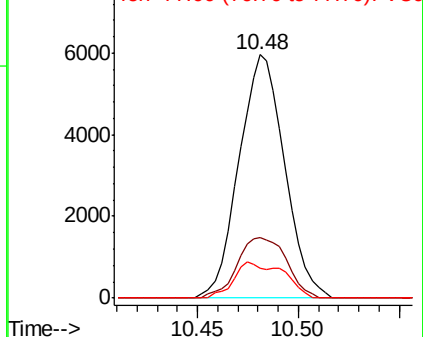
105 100

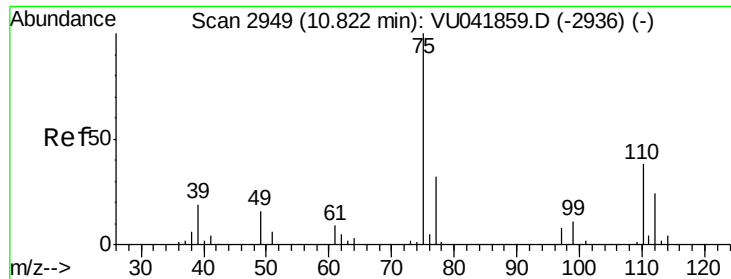
120 27.1 20.9 31.3

77 16.1 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): V

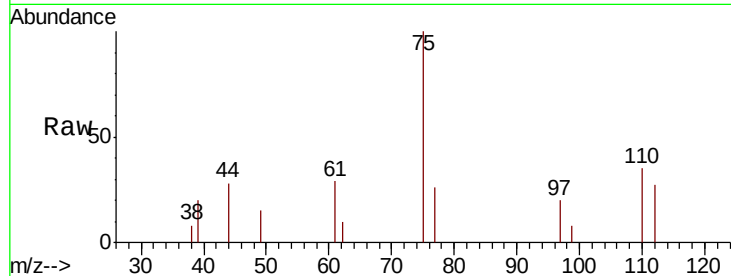




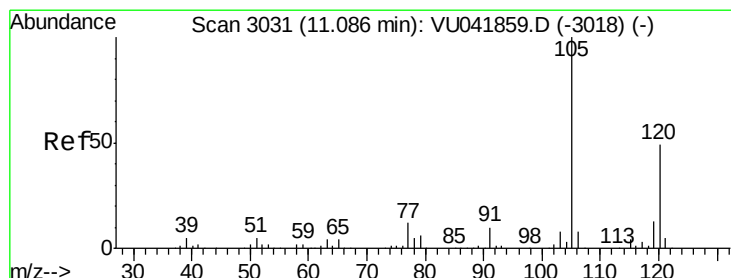
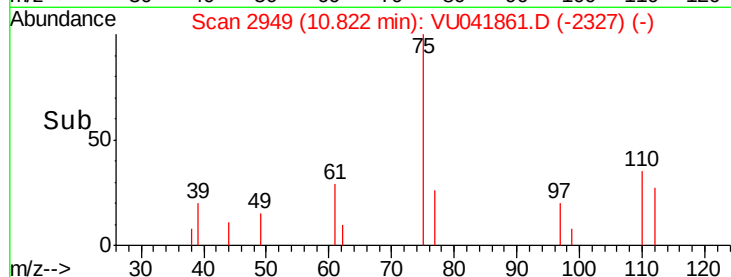
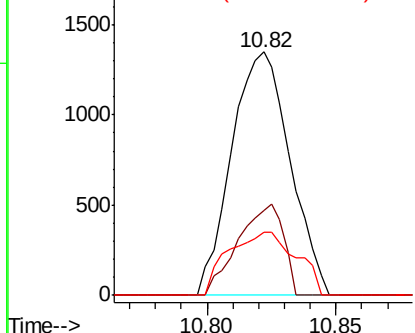
#61
 1,2,3-Trichloropropane
 Concen: 0.272 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 2136
 Ion Ratio Lower Upper
 75 100
 110 28.9 31.5 47.3#
 77 30.1 26.3 39.5

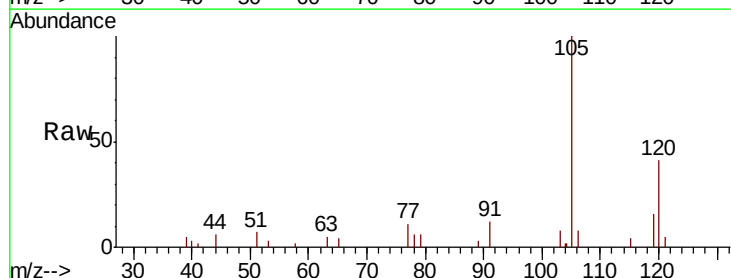


Abundance Ion 75.00 (74.70 to 75.70): VU041859.D (-2936) (-)
 Ion 110.00 (109.70 to 110.70): VU041859.D (-2936) (-)
 Ion 77.00 (76.70 to 77.70): VU041859.D (-2936) (-)

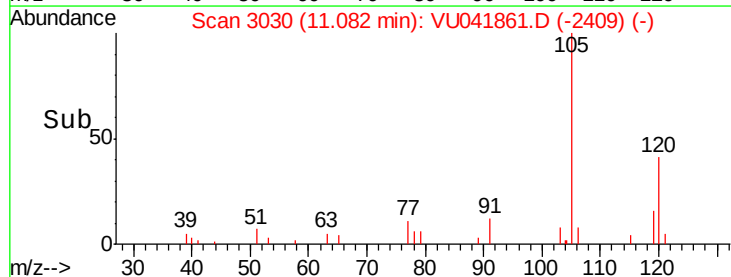
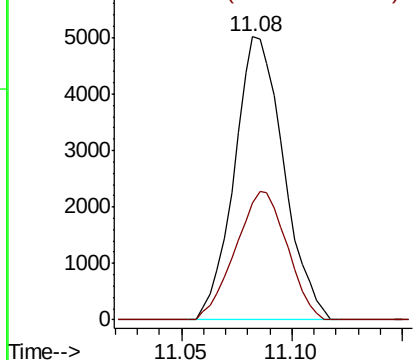


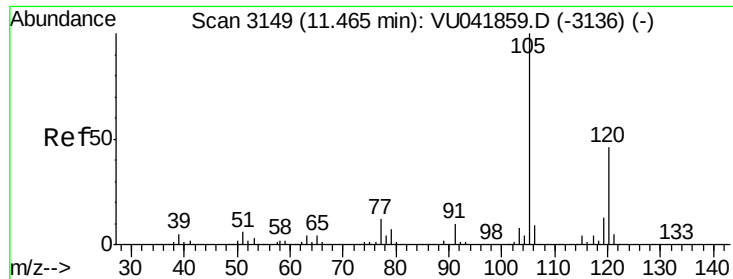
#62
 1,3,5-Trimethylbenzene
 Concen: 0.217 ug/L
 RT: 11.08 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 105 Resp: 7799
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.5 59.3



Abundance Ion 105.00 (104.70 to 105.70): VU041859.D (-3018) (-)
 Ion 120.00 (119.70 to 120.70): VU041859.D (-3018) (-)

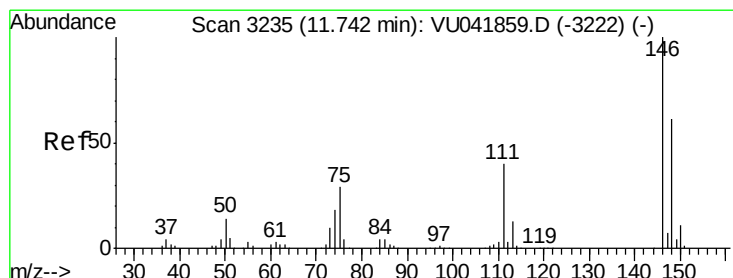
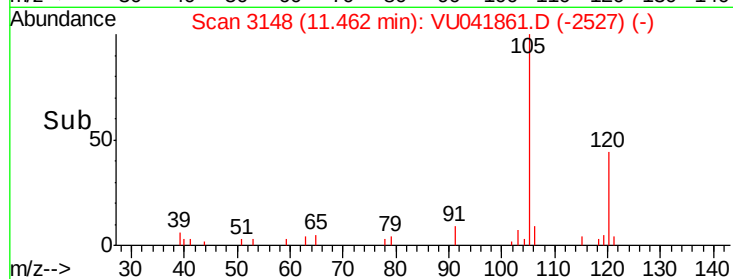
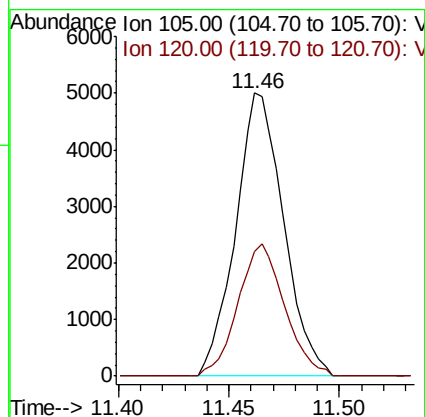
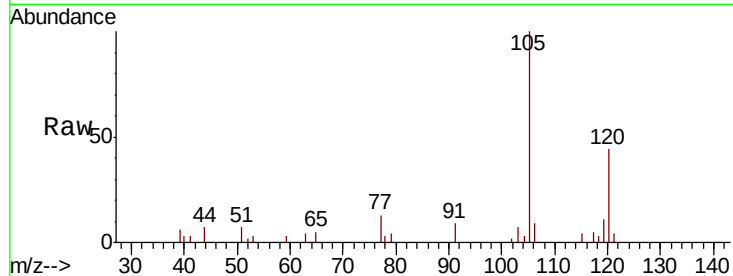




#63
 1,2,4-Trimethylbenzene
 Concen: 0.213 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

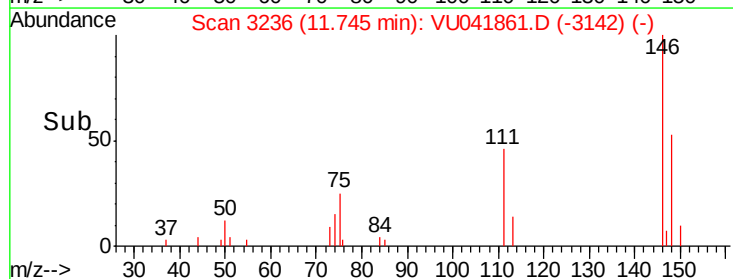
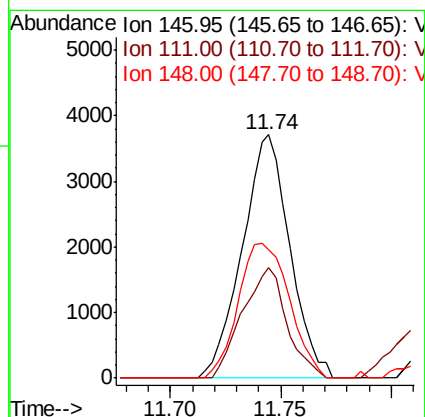
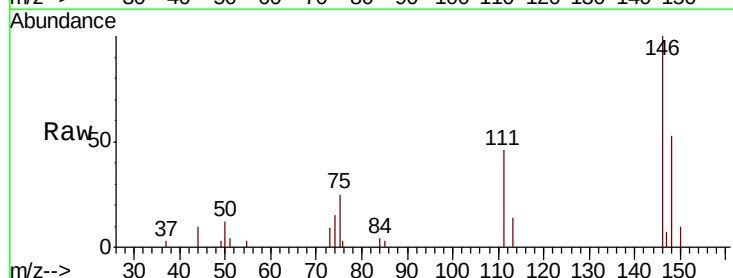
Instrument :
 MSVOA_U
 ClientSampled :

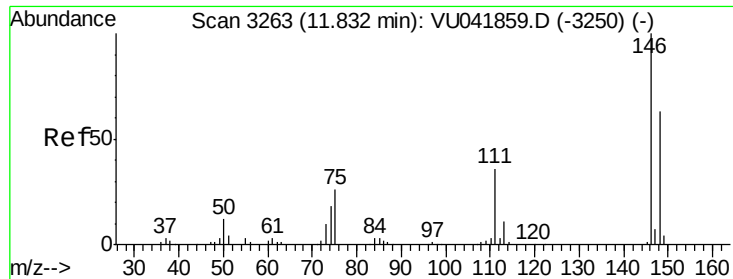
Tot Ion:105 Resp: 7580
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.7 55.1



#64
 1,3-Dichlorobenzene
 Concen: 0.263 ug/L
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion:146 Resp: 5566
 Ion Ratio Lower Upper
 146 100
 111 45.6 27.6 51.2
 148 52.9 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 0.284 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041861.D

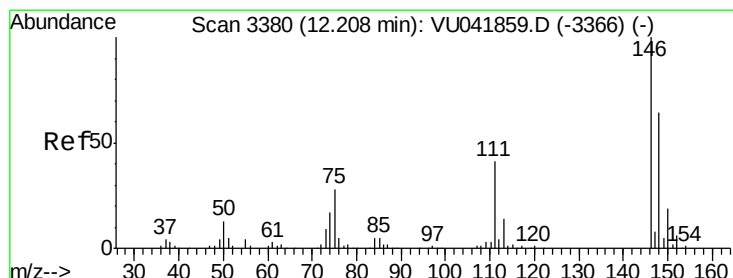
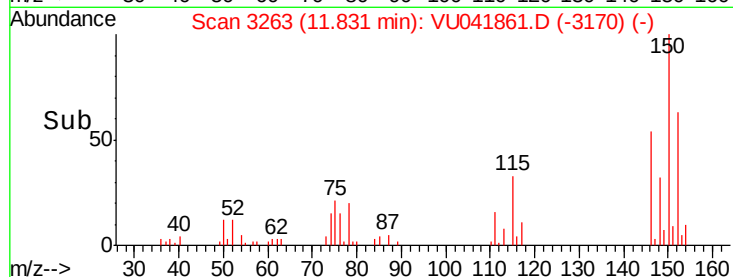
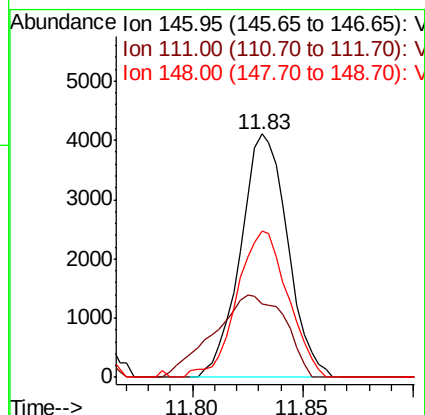
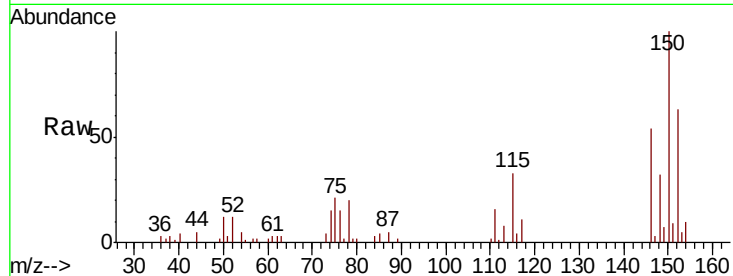
Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:	146	Resp:	6107
Ion	Ratio	Lower	Upper
146	100		
111	30.3	26.7	49.5
148	59.9	43.9	81.5



#67

1,2-Dichlorobenzene

Concen: 0.281 ug/L

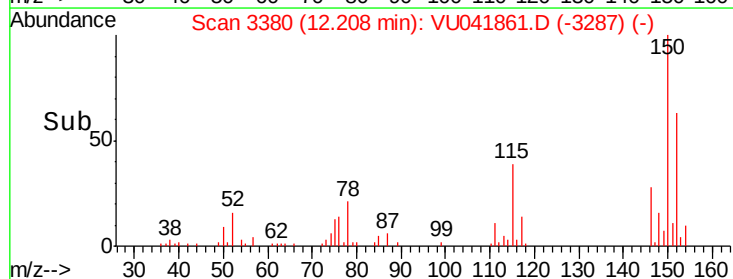
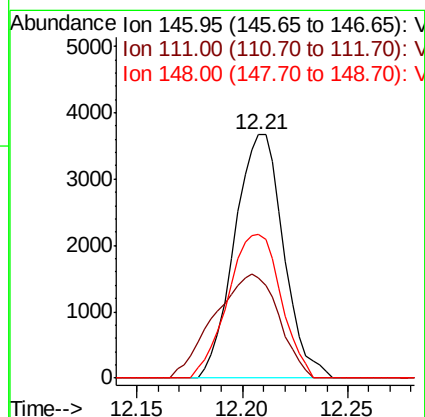
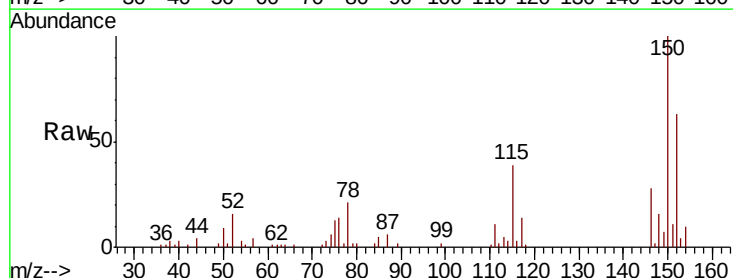
RT: 12.21 min Scan# 3380

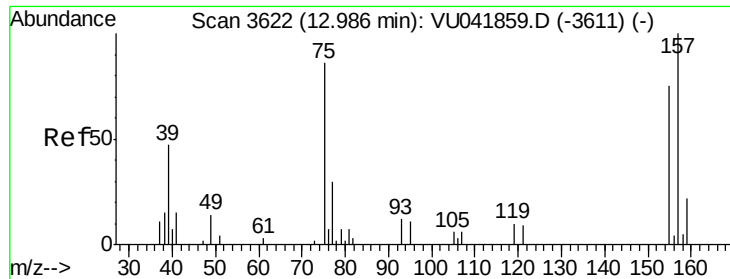
Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Tgt Ion:	146	Resp:	5915
Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.9	47.9
148	59.0	48.8	73.2

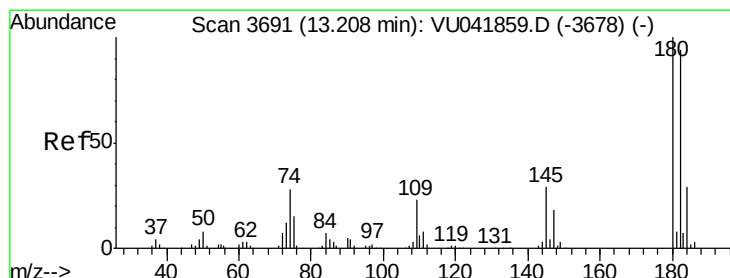
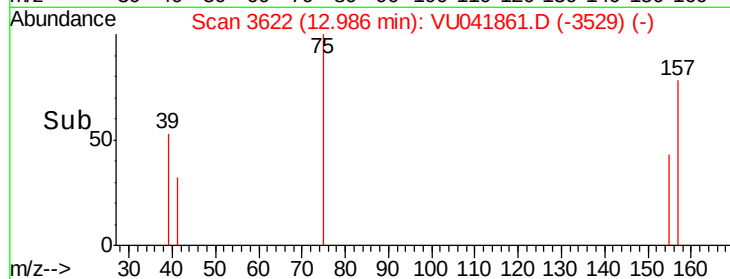
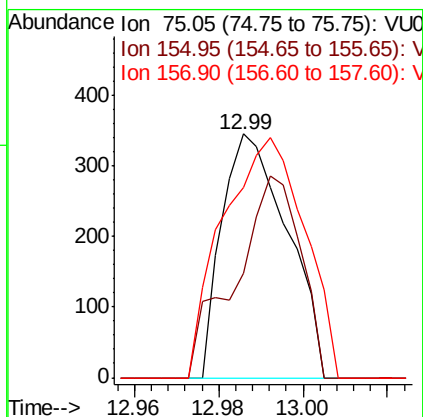
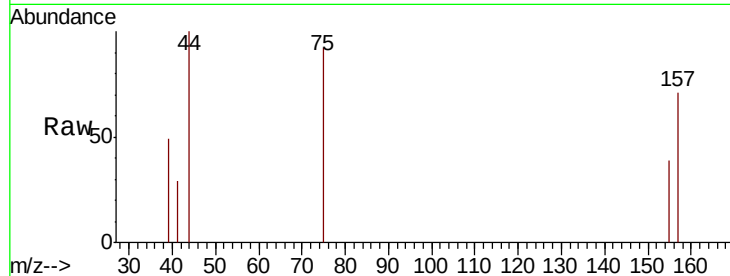




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.205 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

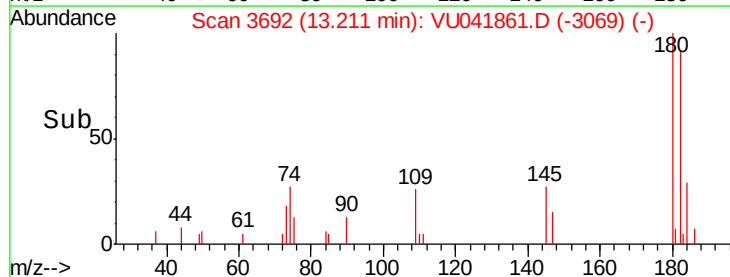
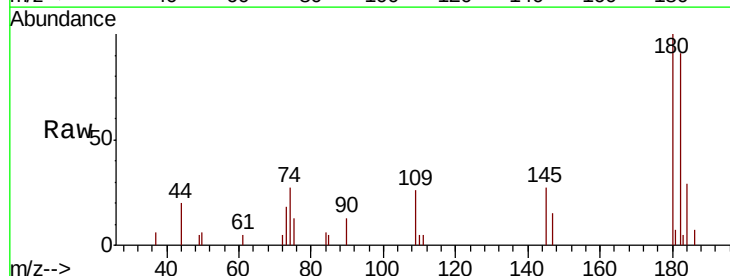
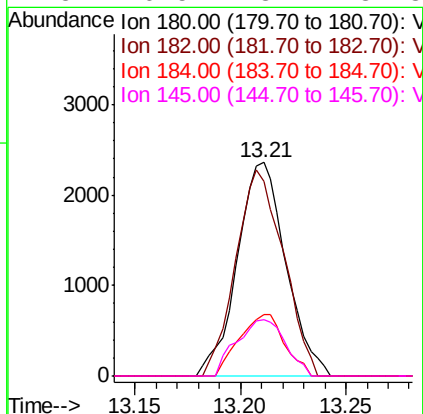
Instrument :
 MSVOA_U
 ClientSampled :

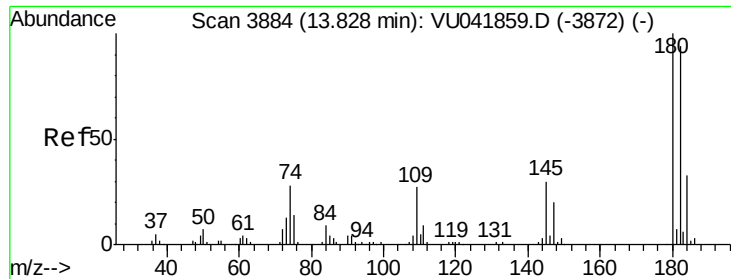
Tot Ion: 75 Resp: 370
 Ion Ratio Lower Upper
 75 100
 155 42.9 67.8 101.8#
 157 78.0 82.4 123.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.238 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Tgt Ion: 180 Resp: 3778
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 184 26.8 24.0 36.0
 145 26.5 23.2 34.8





#70

1,2,4-trichlorobenzene

Concen: 0.208 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

Instrument :

MSVOA_U

ClientSampleId :

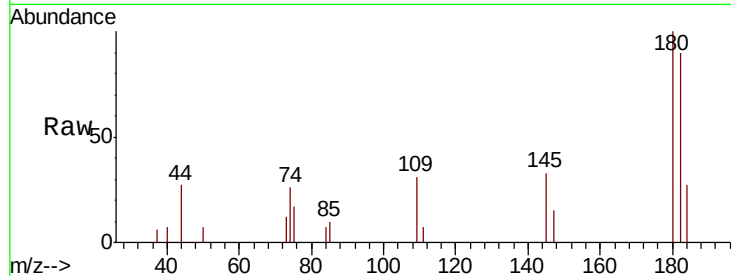
Tot Ion:180 Resp: 2406

Ion Ratio Lower Upper

180 100

182 102.0 76.5 114.7

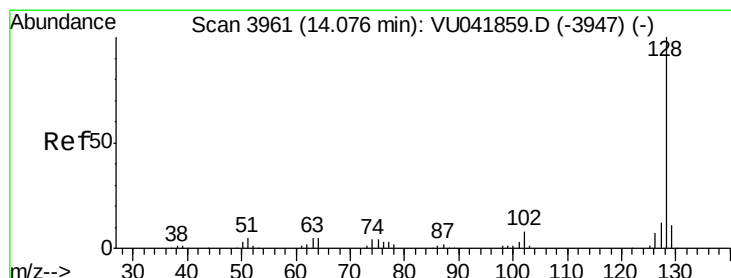
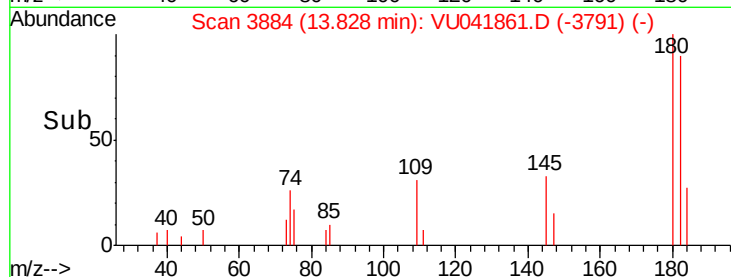
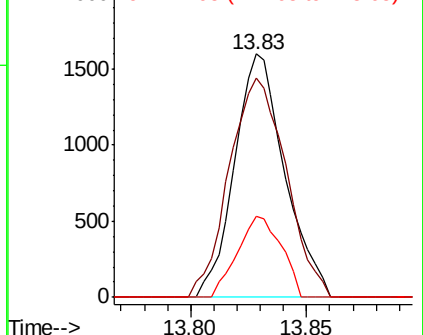
145 28.9 24.1 36.1



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: 0.119 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041861.D

Acq: 06 Jan 2021 14:04

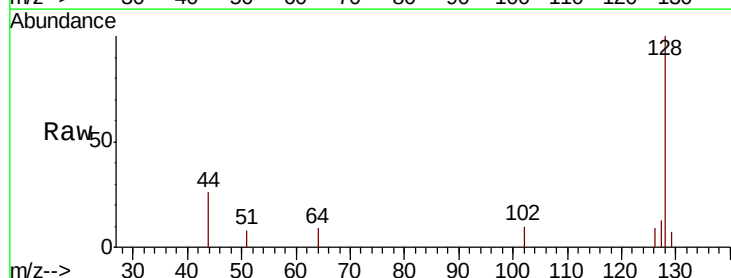
Tgt Ion:128 Resp: 2427

Ion Ratio Lower Upper

128 100

129 8.6 8.6 12.8

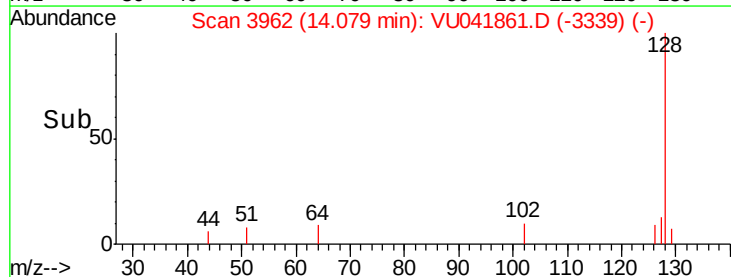
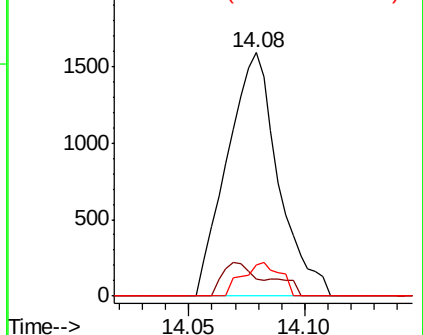
127 10.1 10.6 15.8#

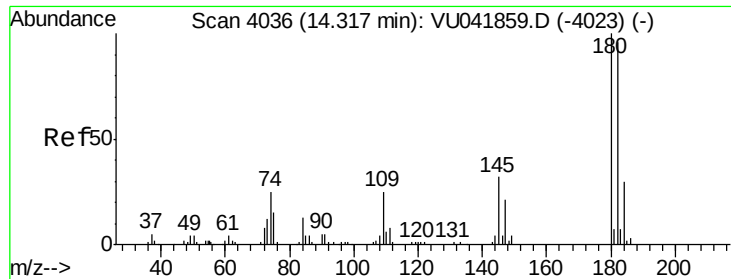


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 0.191 ug/L
 RT: 14.32 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: VU041861.D
 Acq: 06 Jan 2021 14:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.8	113.8
145	19.7	25.0	37.4

