

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010521\
 Data File : VU041849.D
 Acq On : 05 Jan 2021 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 06 06:30:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 05 11:37:58 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	156562	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	149809	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	81100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52408	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.92	69	49916	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.57	65	24128	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.66	46	155064	44.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.50%
24) Chloroform-d	5.08	84	105343	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.71	65	55858	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.74	84	197657	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.70	67	63372	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.90	98	184810	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.18	79	25957	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	143951	47.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.84%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	61059	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	73261	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	74005	5.164	ug/L 100
3) Chloromethane	1.52	50	73786	5.662	ug/L 98
5) Vinyl chloride	1.61	62	84525	5.294	ug/L 98
6) Bromomethane	1.86	94	47628	4.355	ug/L 99
8) Chloroethane	1.94	64	51438	5.089	ug/L 99
9) Trichlorofluoromethane	2.14	101	112281	5.090	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	64746	5.211	ug/L 98
12) 1,1-Dichloroethene	2.59	96	63101	5.122	ug/L 91
13) Acetone	2.67	43	113857	47.070	ug/L # 43
14) Carbon disulfide	2.80	76	206603	5.010	ug/L 98
15) Methyl Acetate	2.97	43	25979	4.583	ug/L 100
16) Methylene chloride	3.06	84	70748	4.531	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	148495	4.975	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	64011	5.372	ug/L 94
19) 1,1-Dichloroethane	3.88	63	100254	4.740	ug/L 97
21) 2-Butanone	4.74	43	152961	45.814	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	63135	5.102	ug/L 94

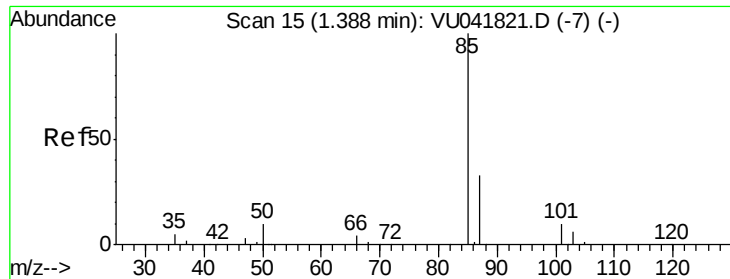
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010521\
 Data File : VU041849.D
 Acq On : 05 Jan 2021 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 06 06:30:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 05 11:37:58 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31075	5.171	ug/L	95
25) Chloroform	5.10	83	108437	5.076	ug/L	97
27) 1,2-Dichloroethane	5.81	62	66279	4.768	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	90779	5.066	ug/L	96
30) Cyclohexane	5.40	56	88069	5.336	ug/L	96
31) Carbon tetrachloride	5.54	117	83510	5.262	ug/L	99
33) Benzene	5.78	78	236834	5.304	ug/L	100
34) Trichloroethene	6.55	95	63235	5.417	ug/L	98
35) Methylcyclohexane	6.77	83	101722	5.684	ug/L	99
37) 1,2-Dichloropropane	6.80	63	62524	5.634	ug/L	99
38) Bromodichloromethane	7.11	83	78671	5.399	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	86795	5.217	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	352601	49.639	ug/L	100
42) Toluene	7.97	91	262728	5.577	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	78618	5.163	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	46809	5.209	ug/L	96
47) Tetrachloroethene	8.56	164	50077	5.487	ug/L	98
48) 2-Hexanone	8.69	43	259966	50.049	ug/L	98
49) Dibromochloromethane	8.81	129	58469	5.410	ug/L	97
50) 1,2-Dibromoethane	8.93	107	44586	5.012	ug/L #	98
51) Chlorobenzene	9.45	112	166471	5.389	ug/L	98
52) Ethylbenzene	9.57	91	274401	5.590	ug/L	99
53) m,p-Xylene	9.69	106	109057	5.664	ug/L	100
54) o-Xylene	10.10	106	104340	5.689	ug/L	100
55) Styrene	10.11	104	179013	5.669	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	63196	5.354	ug/L	97
59) Bromoform	10.29	173	35196	5.037	ug/L	98
60) Isopropylbenzene	10.48	105	277206	5.462	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	43916	4.823	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	229117	5.500	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	233477	5.645	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	134258	5.471	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	133798	5.365	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	130770	5.359	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	10642	5.078	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	102367	5.567	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	80177	5.977	ug/L	99
71) Naphthalene	14.08	128	136447	5.767	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	74902	5.846	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.164 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :

MSVOA_U

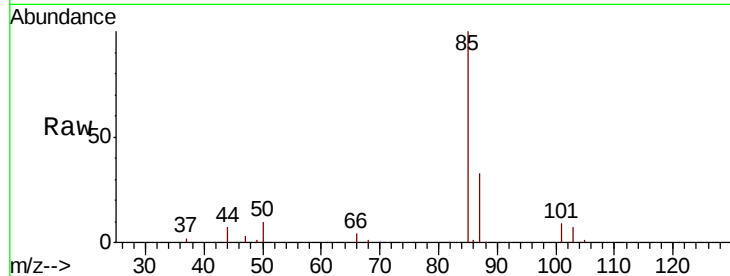
ClientSampleId :

Tot Ion: 85 Resp: 74005

Ion Ratio Lower Upper

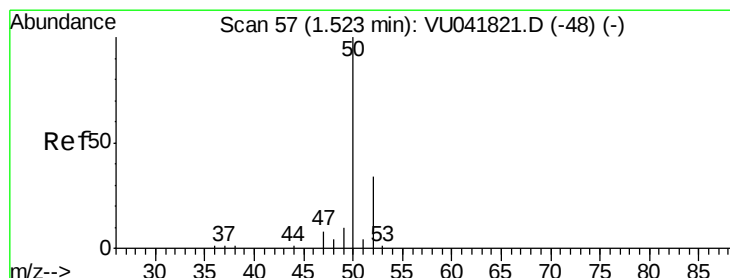
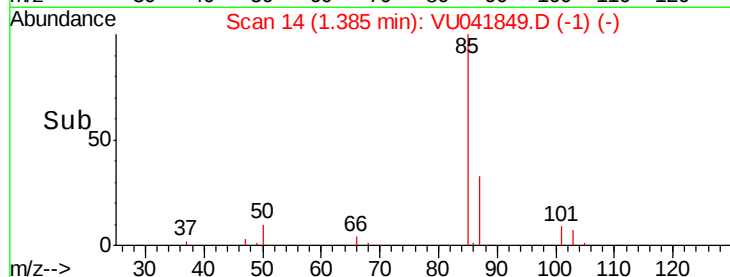
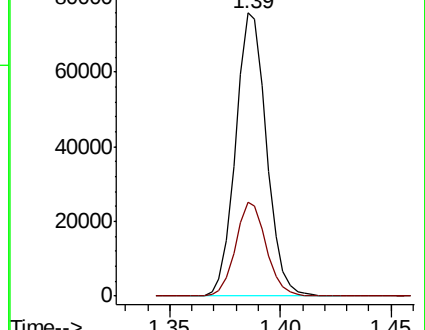
85 100

87 32.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041821.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041821.D (-7) (-)



#3

Chloromethane

Concen: 5.662 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041849.D

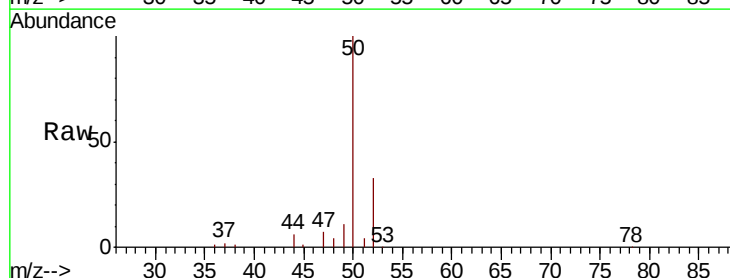
Acq: 05 Jan 2021 10:22

Tgt Ion: 50 Resp: 73786

Ion Ratio Lower Upper

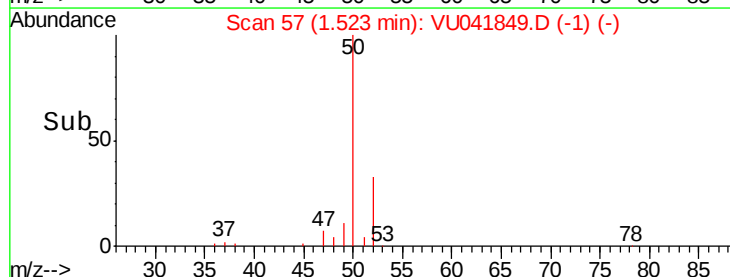
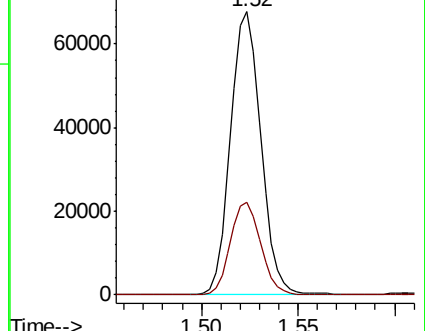
50 100

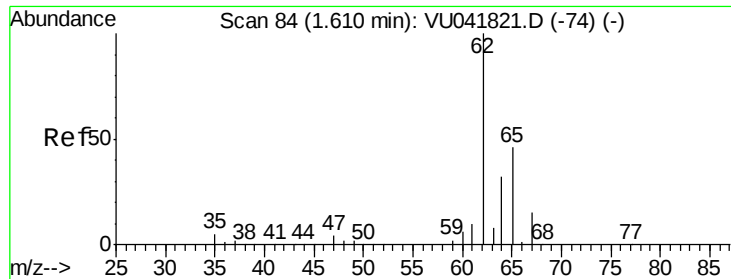
52 32.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU041821.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041821.D (-48) (-)





#5

Vinyl chloride

Concen: 5.294 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

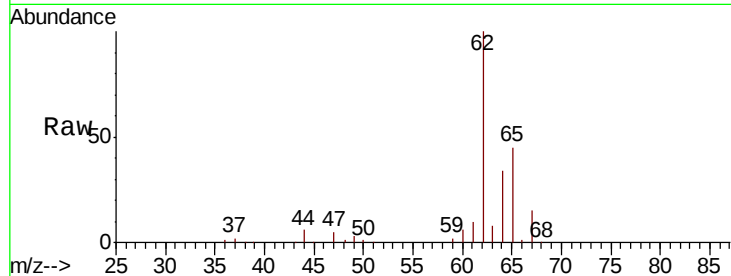
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 84525

Ion Ratio Lower Upper

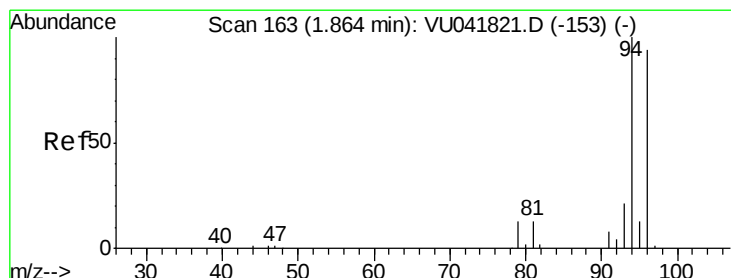
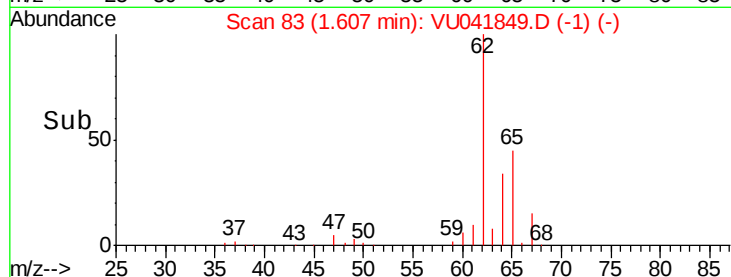
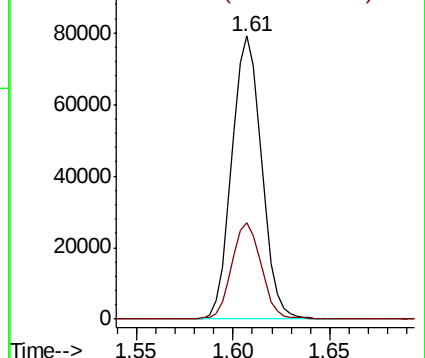
62 100

64 33.9 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: 4.355 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041849.D

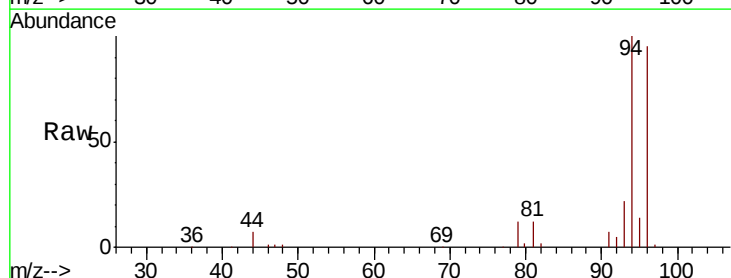
Acq: 05 Jan 2021 10:22

Tgt Ion: 94 Resp: 47628

Ion Ratio Lower Upper

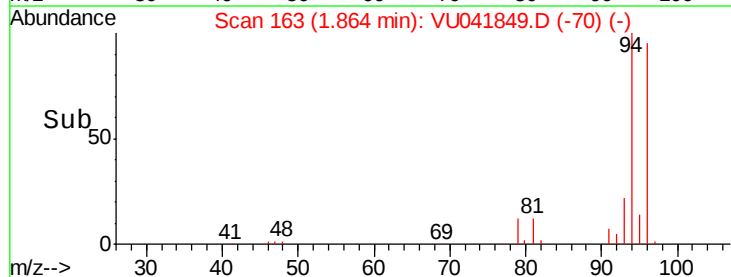
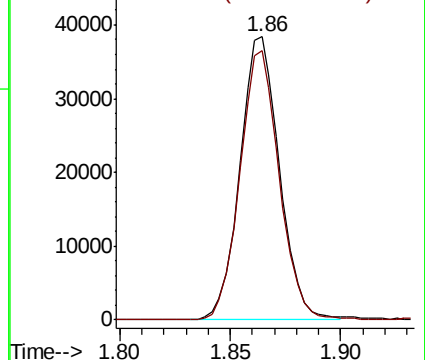
94 100

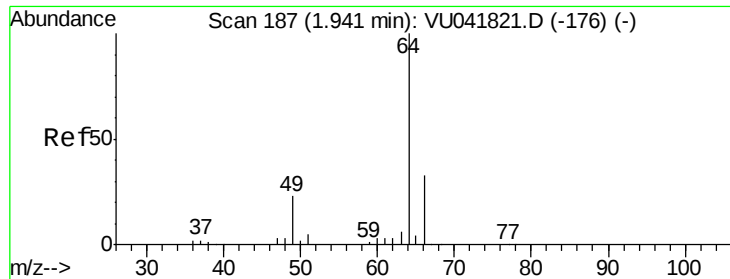
96 95.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

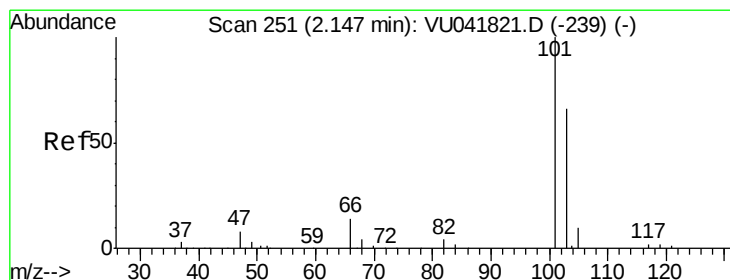
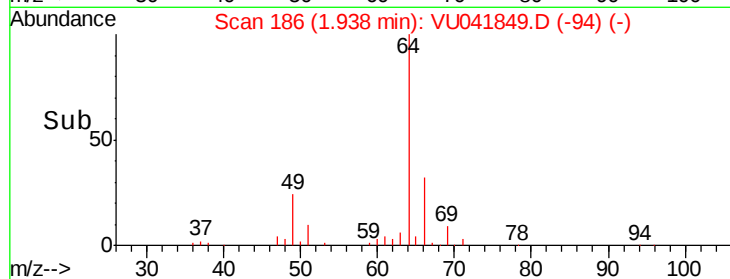
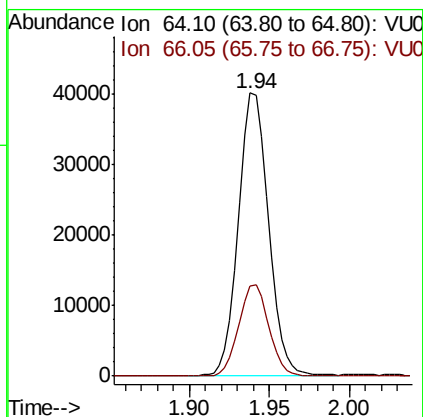
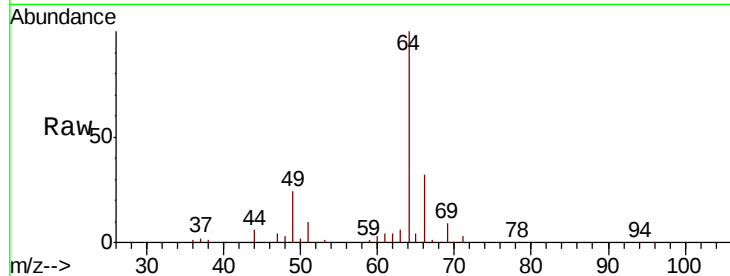




#8
Chloroethane
Concen: 5.089 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

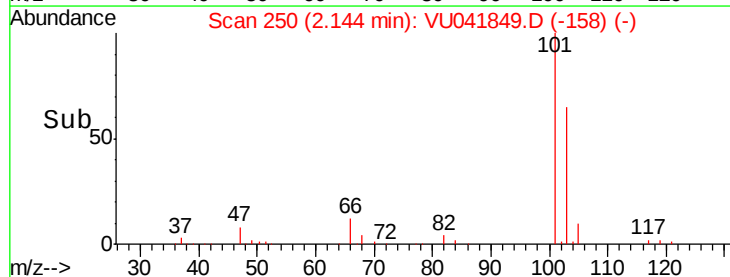
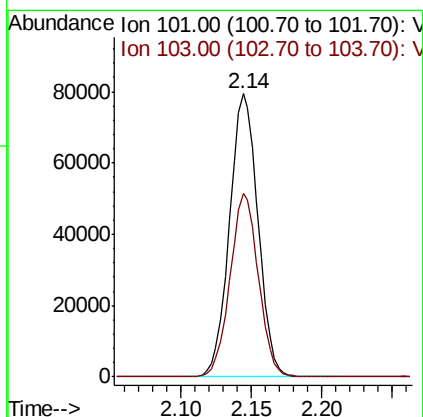
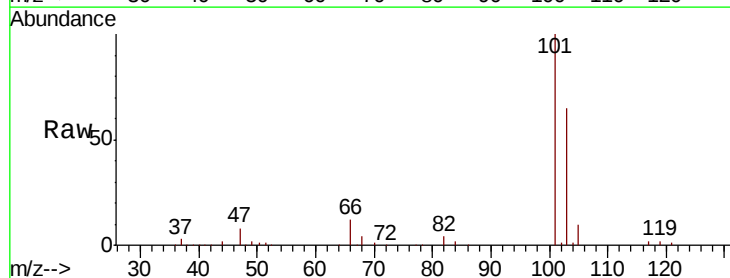
Instrument :
MSVOA_U
ClientSampleId :

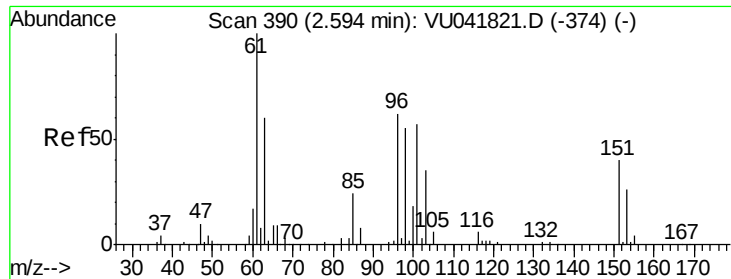
Tot Ion: 64 Resp: 51438
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.090 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion:101 Resp: 112281
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3





#10

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

Concen: 5.211 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :

MSVOA_U

ClientSampled :

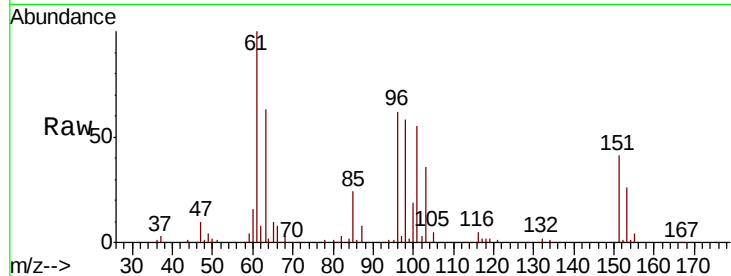
Tot Ion:101 Resp: 64746

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

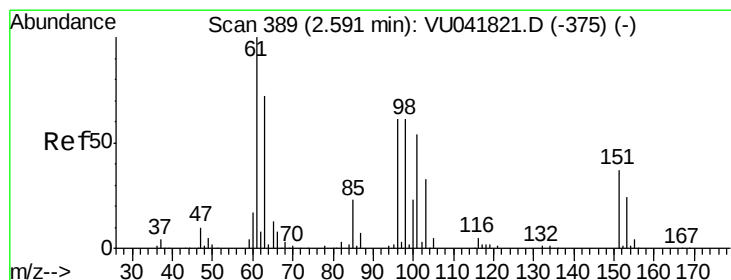
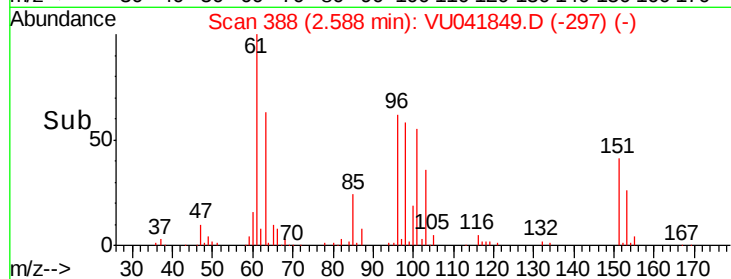
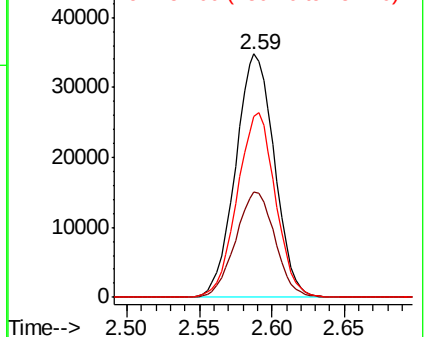
151 74.6 57.4 86.2



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: 5.122 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

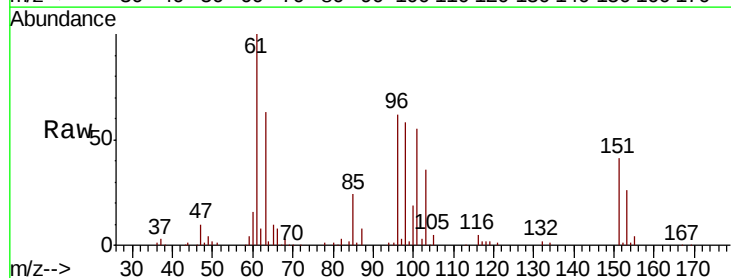
Tgt Ion: 96 Resp: 63101

Ion Ratio Lower Upper

96 100

61 160.7 115.1 213.7

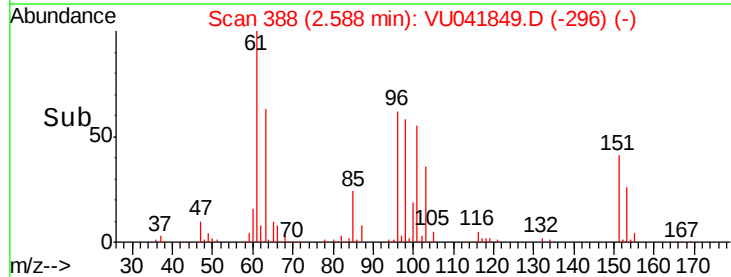
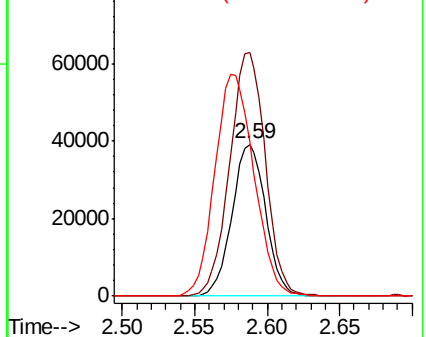
63 101.6 84.1 156.1

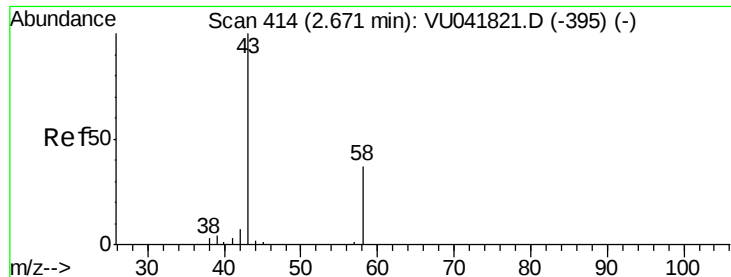


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.070 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :

MSVOA_U

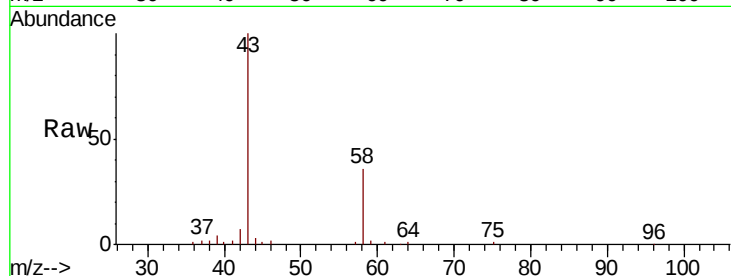
ClientSampleId :

Tot Ion: 43 Resp: 113857

Ion Ratio Lower Upper

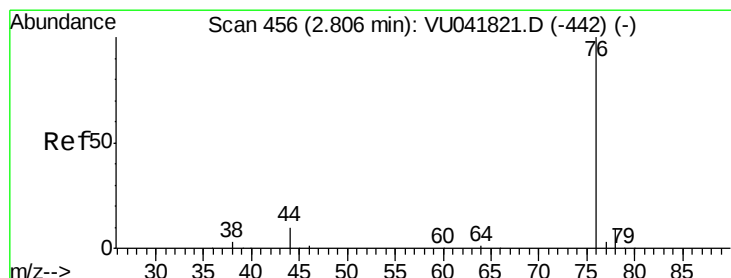
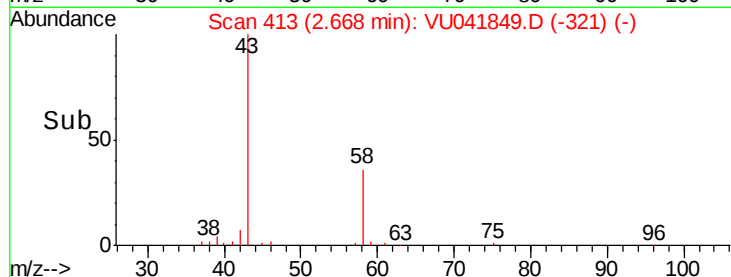
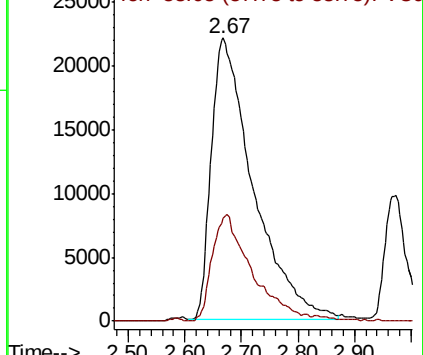
43 100

58 35.0 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.010 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.01 min

Lab File: VU041849.D

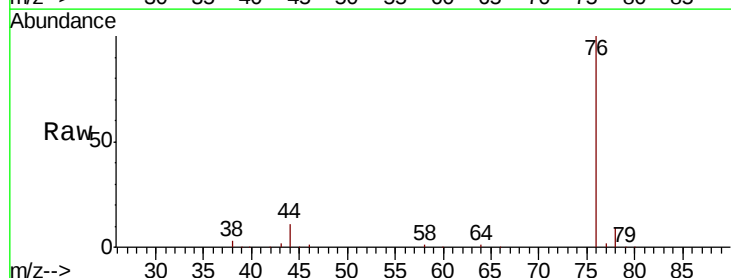
Acq: 05 Jan 2021 10:22

Tgt Ion: 76 Resp: 206603

Ion Ratio Lower Upper

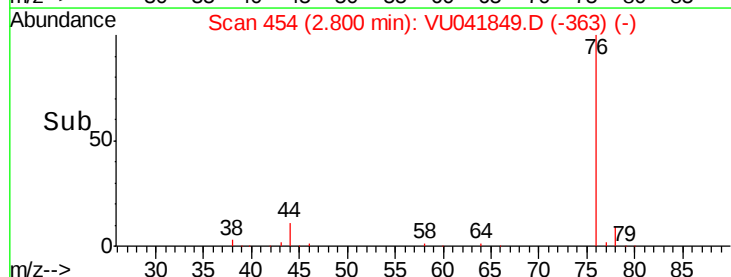
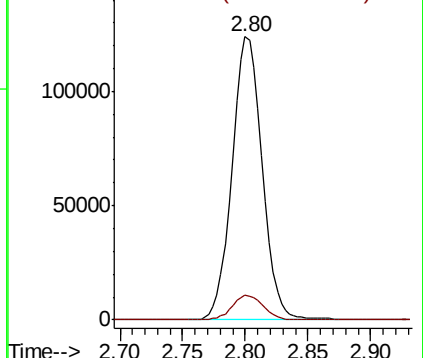
76 100

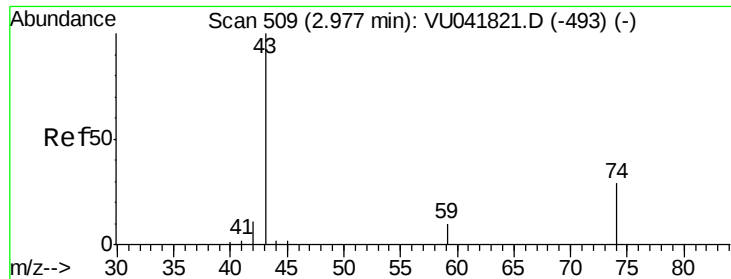
78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

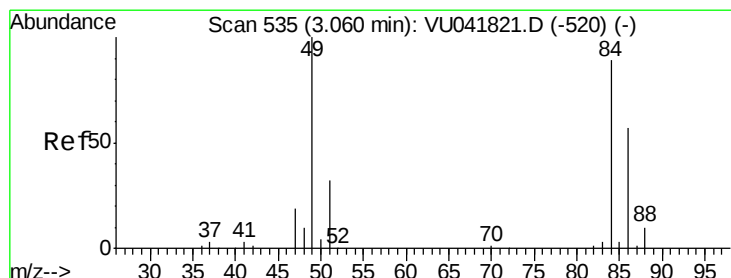
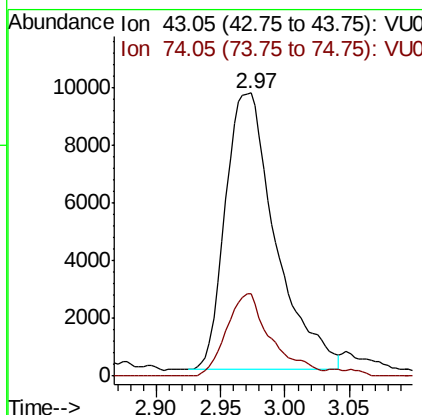
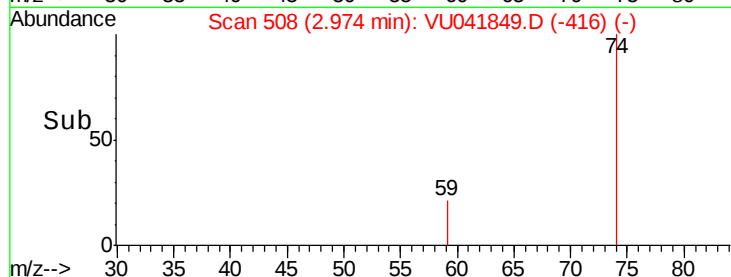
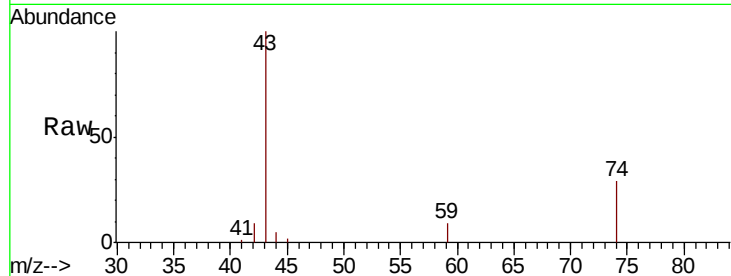




#15
Methvl Acetate
Concen: 4.583 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

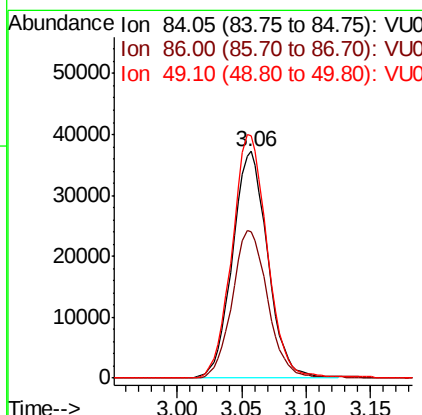
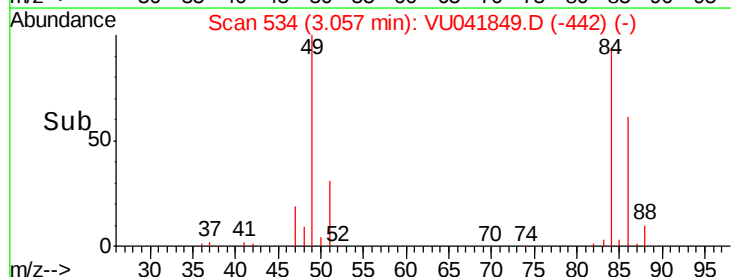
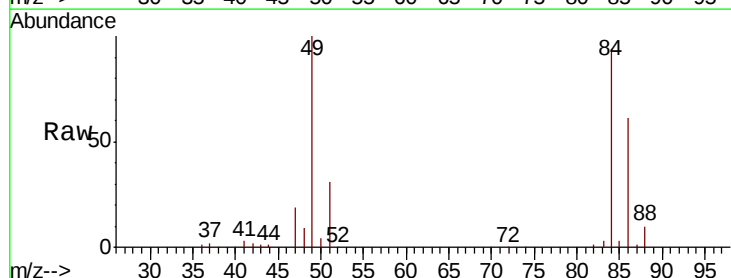
Instrument :
MSVOA_U
ClientSampled :

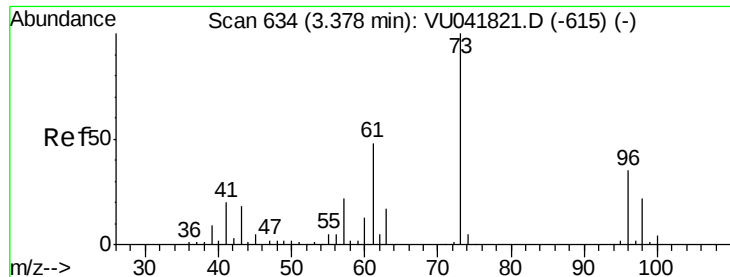
Tot Ion: 43 Resp: 25979
Ion Ratio Lower Upper
43 100
74 26.8 21.5 32.3



#16
Methylene chloride
Concen: 4.531 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion: 84 Resp: 70748
Ion Ratio Lower Upper
84 100
86 64.8 44.9 83.5
49 106.8 79.0 146.8

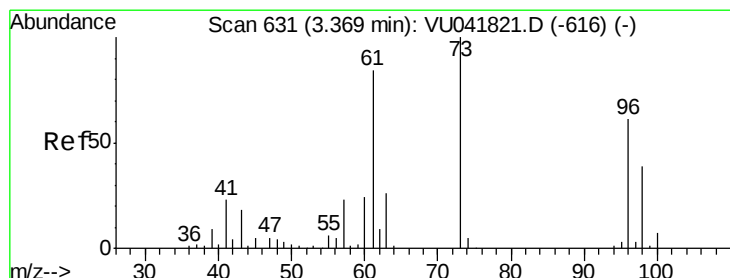
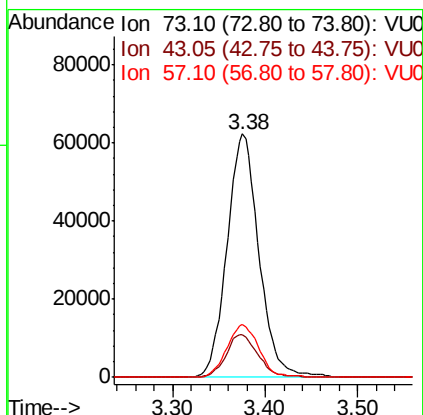
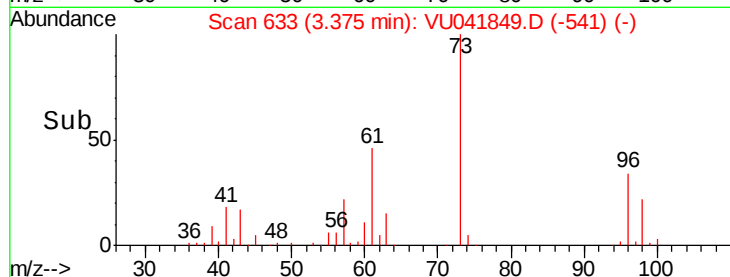
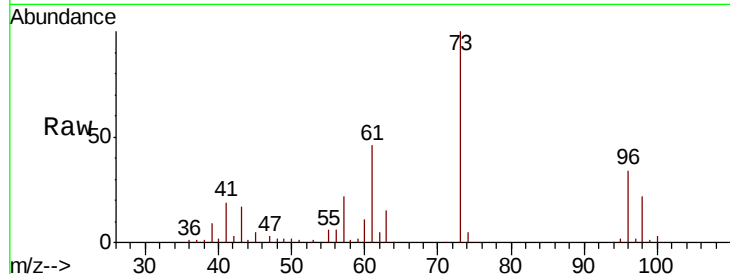




#17
Methvl tert-butvl Ether
Concen: 4.975 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

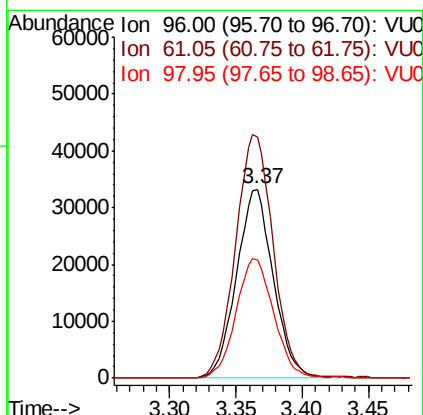
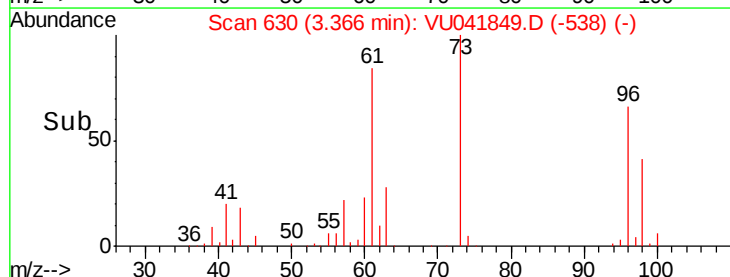
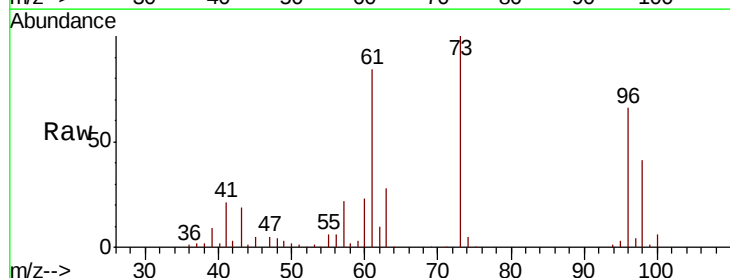
Instrument :
MSVOA_U
ClientSampleId :

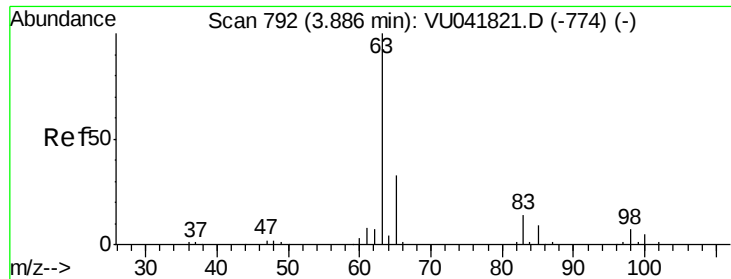
Tot Ion: 73 Resp: 148495
Ion Ratio Lower Upper
73 100
43 17.6 15.0 22.4
57 21.8 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.372 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion: 96 Resp: 64011
Ion Ratio Lower Upper
96 100
61 127.7 96.6 179.4
98 62.7 44.7 82.9

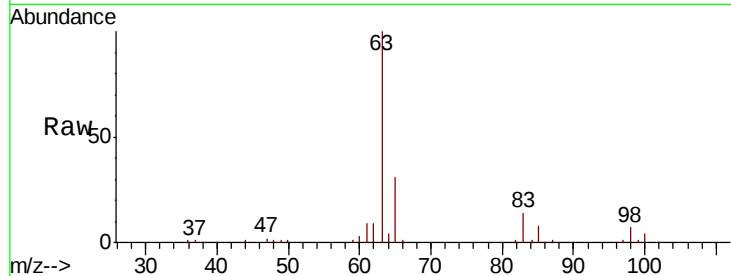




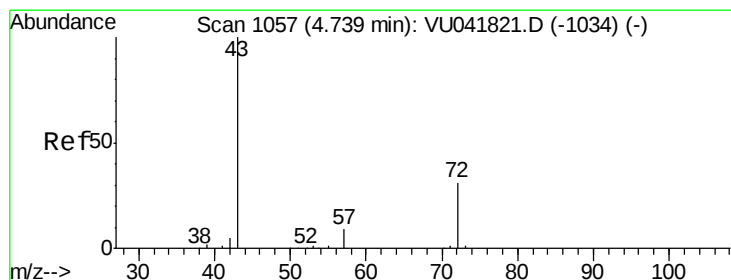
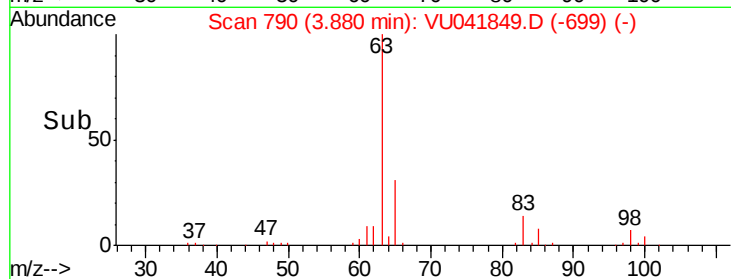
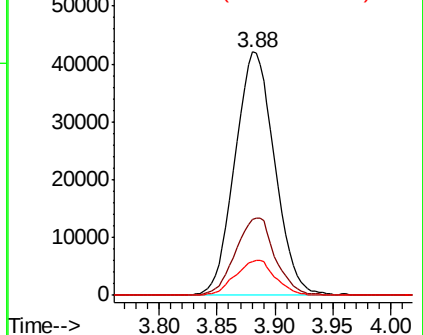
#19
 1,1-Dichloroethane
 Concen: 4.740 ug/L
 RT: 3.88 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 100254
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 43.0
 83 13.9 9.9 18.3

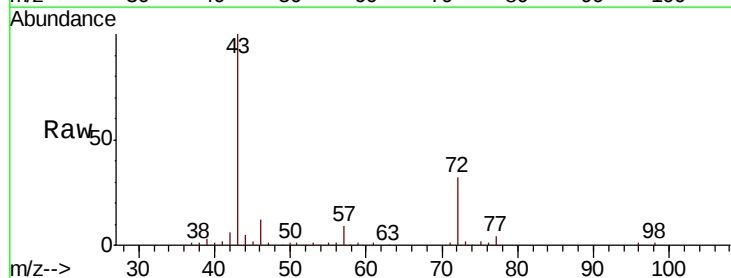


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

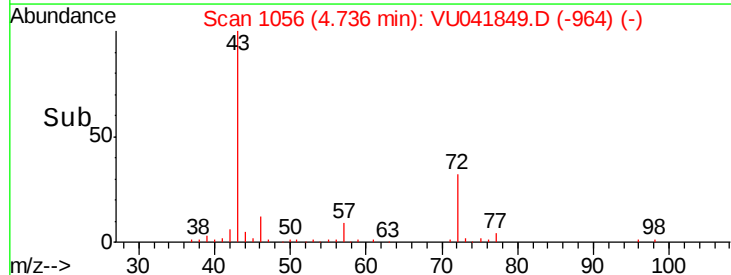
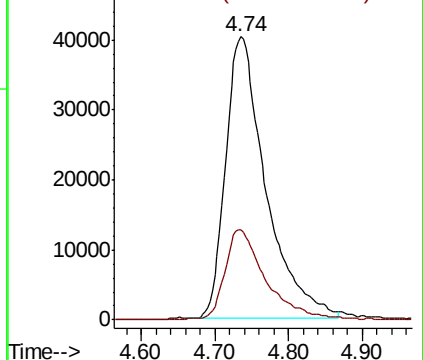


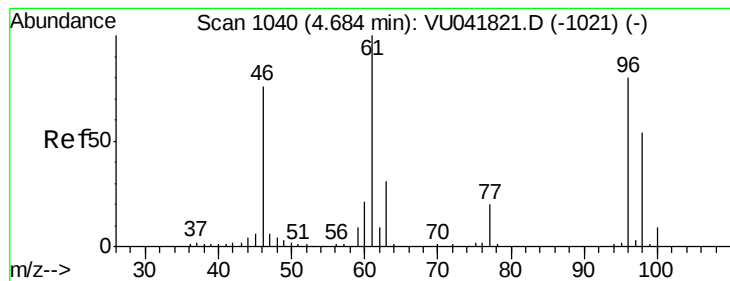
#21
 2-Butanone
 Concen: 45.814 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 43 Resp: 152961
 Ion Ratio Lower Upper
 43 100
 72 31.4 15.8 47.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.102 ug/L

RT: 4.68 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :
MSVOA_U
ClientSampled :

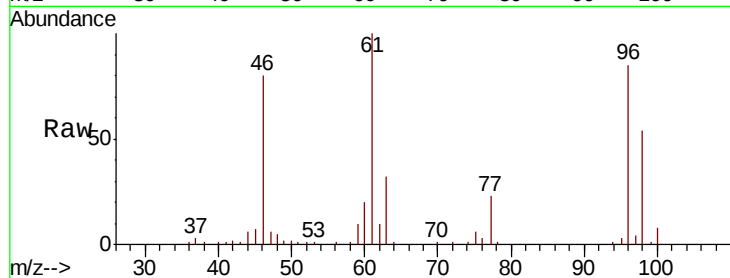
Tot Ion: 96 Resp: 63135

Ion Ratio Lower Upper

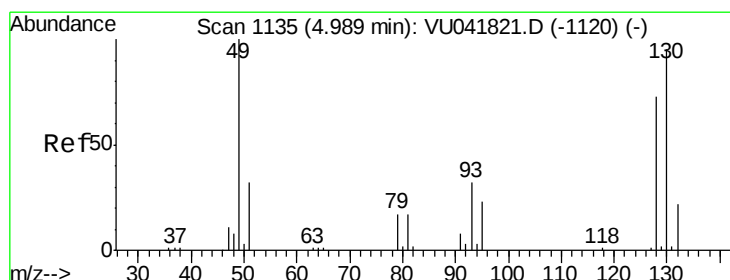
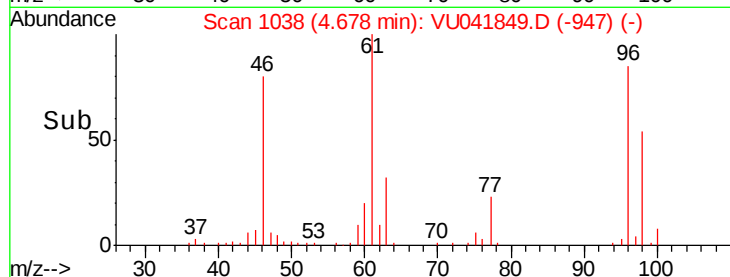
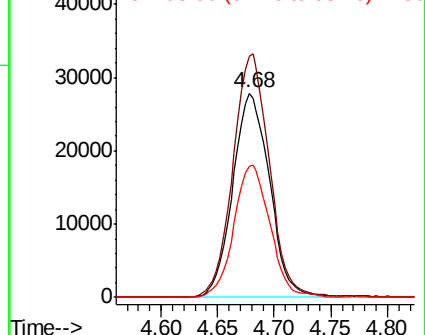
96 100

61 118.3 87.4 162.4

98 64.1 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: 5.171 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Tgt Ion: 128 Resp: 31075

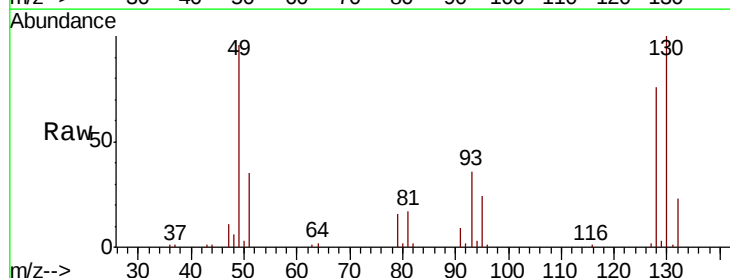
Ion Ratio Lower Upper

128 100

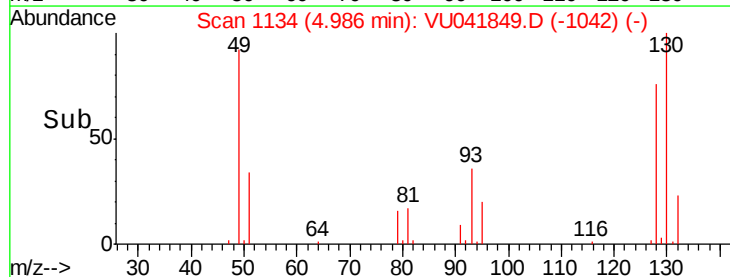
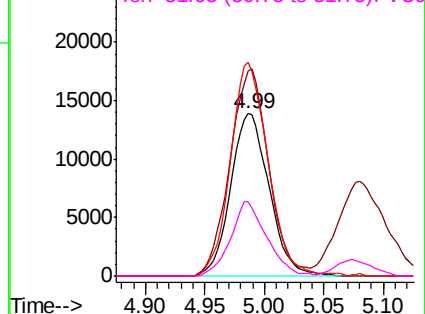
49 126.0 96.4 179.0

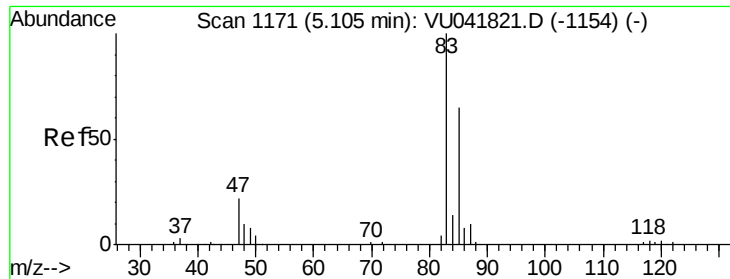
130 131.6 91.2 169.4

51 46.0 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

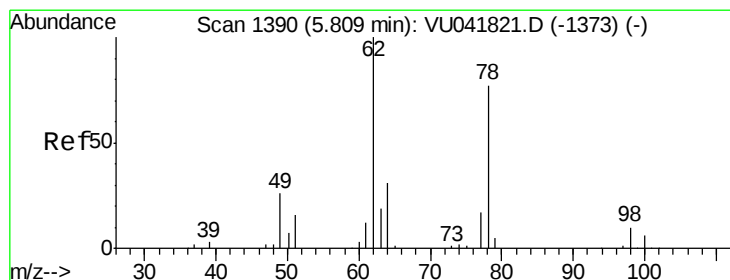
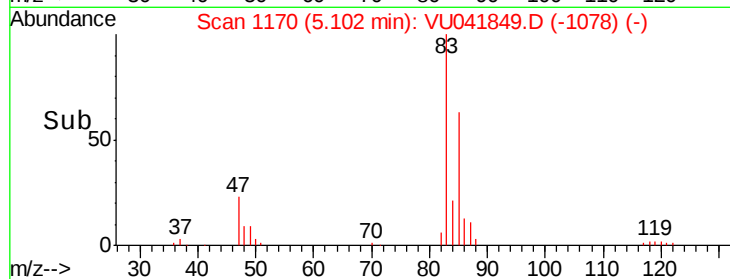
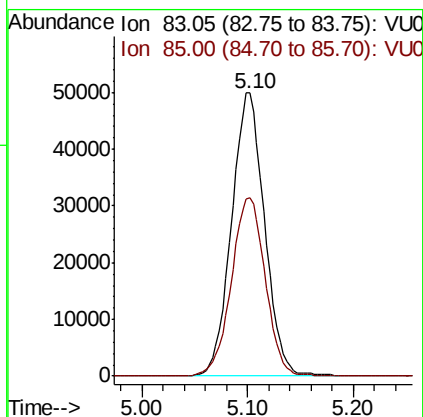
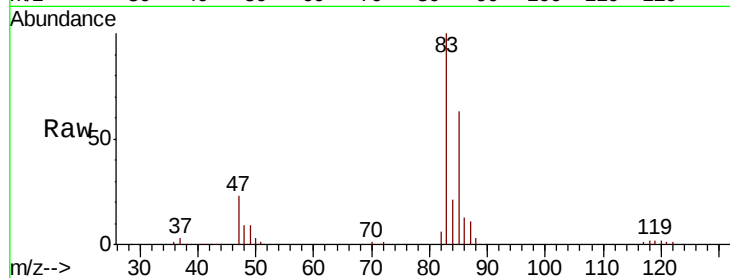




#25
Chloroform
Concen: 5.076 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

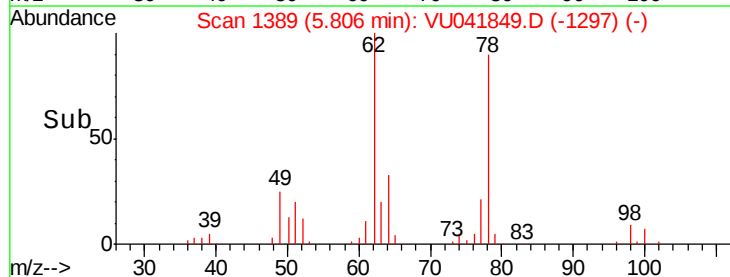
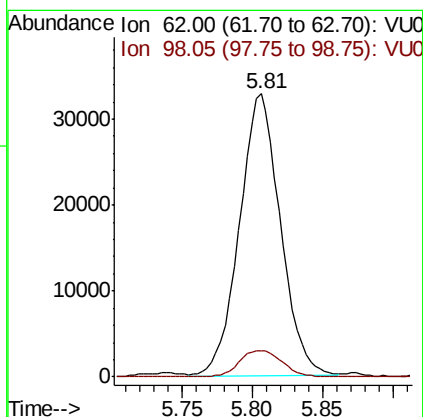
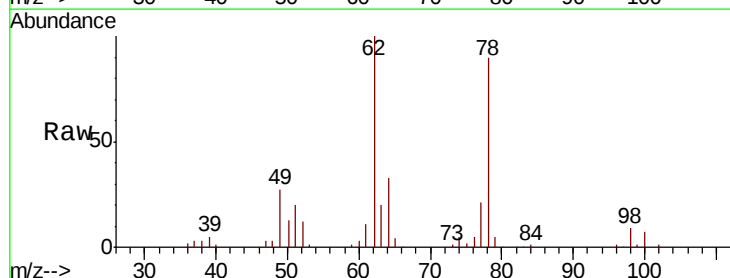
Instrument :
MSVOA_U
ClientSampled :

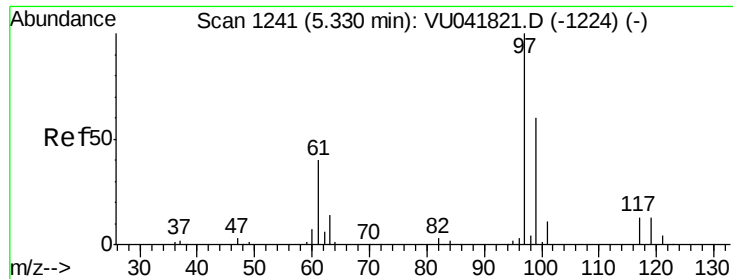
Tot Ion: 83 Resp: 108437
Ion Ratio Lower Upper
83 100
85 62.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.768 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion: 62 Resp: 66279
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

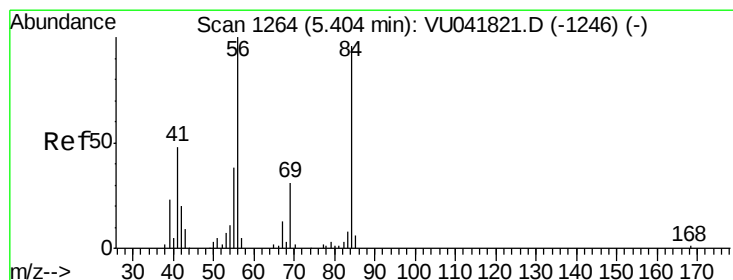
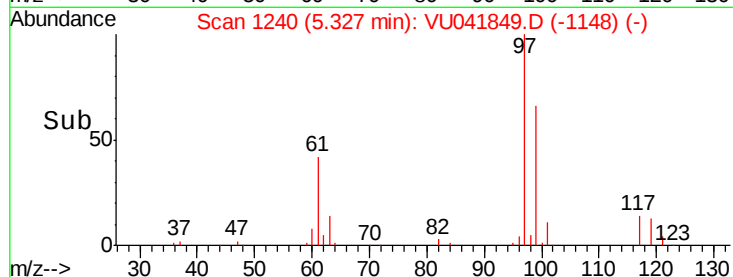
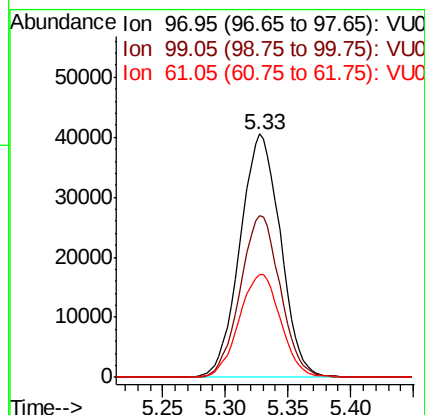
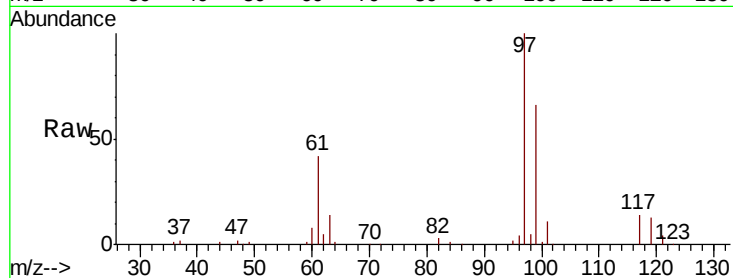




#29
 1,1,1-Trichloroethane
 Concen: 5.066 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

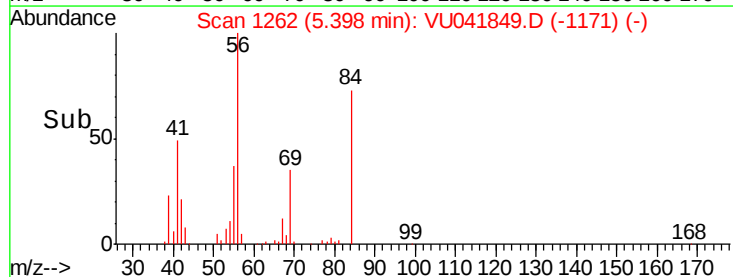
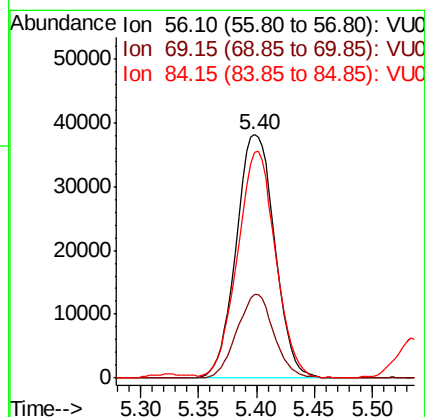
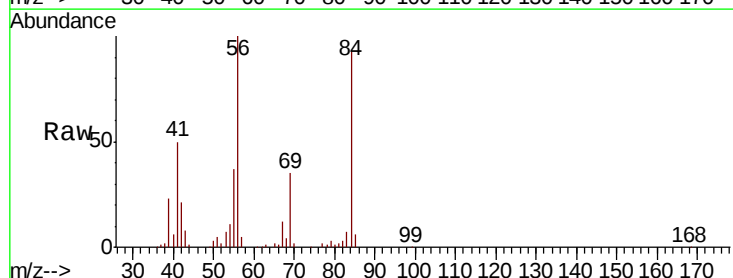
Instrument :
 MSVOA_U
 ClientSampled :

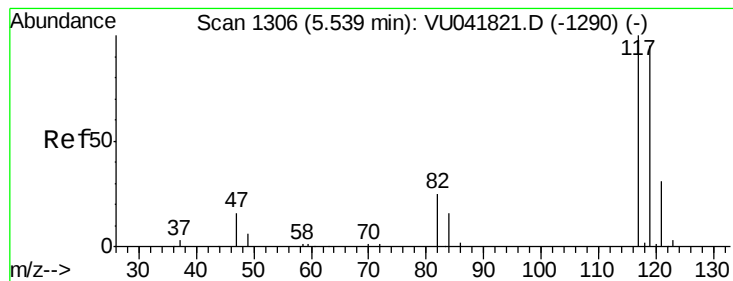
Tot Ion: 97 Resp: 90779
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.3 75.5
 61 43.3 32.7 49.1



#30
 Cyclohexane
 Concen: 5.336 ug/L
 RT: 5.40 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 56 Resp: 88069
 Ion Ratio Lower Upper
 56 100
 69 33.1 25.2 37.8
 84 91.4 76.2 114.4





#31

Carbon tetrachloride

Concen: 5.262 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :

MSVOA_U

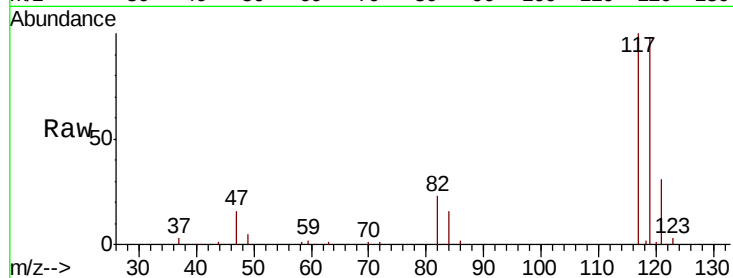
ClientSampled :

Tot Ion:117 Resp: 83510

Ion Ratio Lower Upper

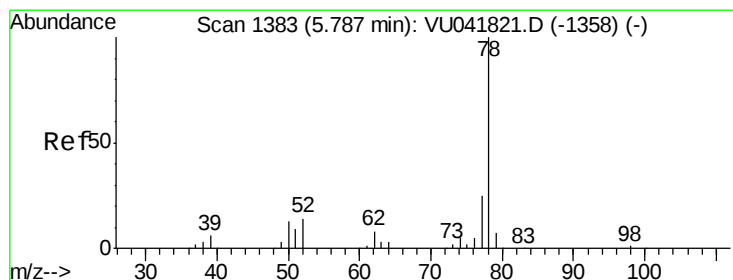
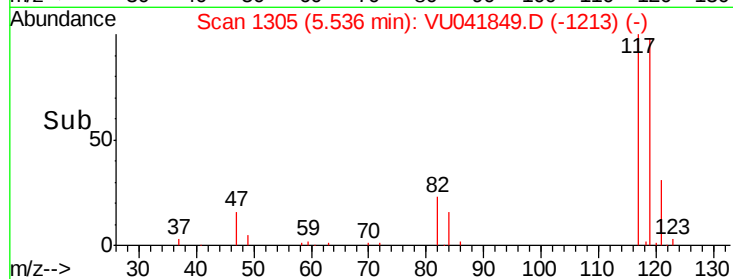
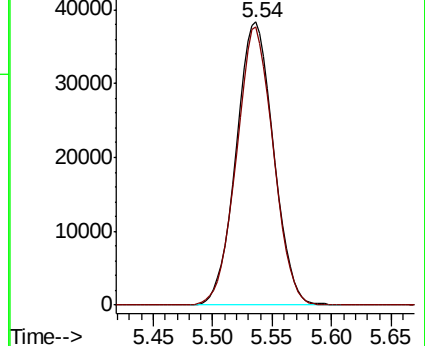
117 100

119 96.5 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: 5.304 ug/L

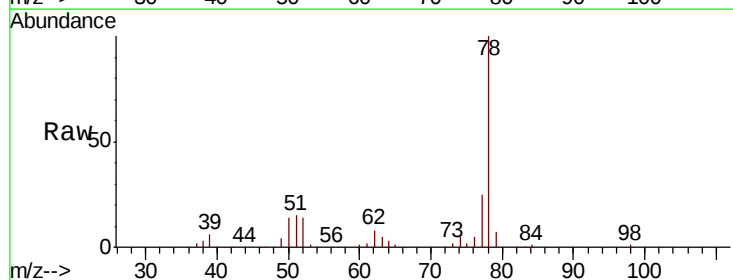
RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

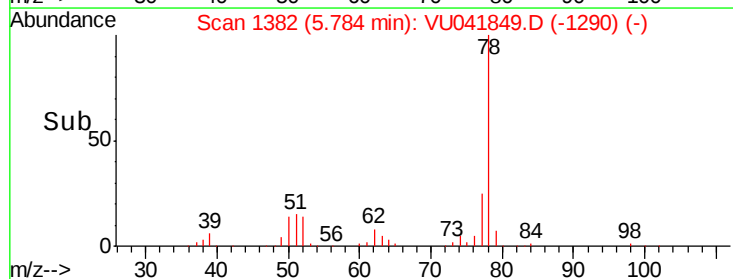
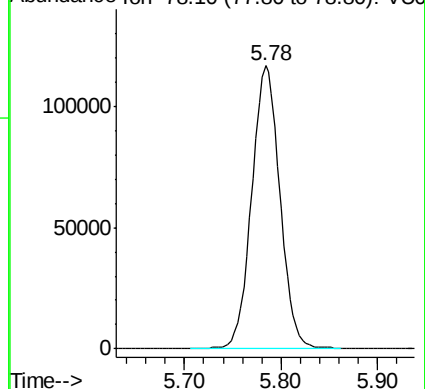
Lab File: VU041849.D

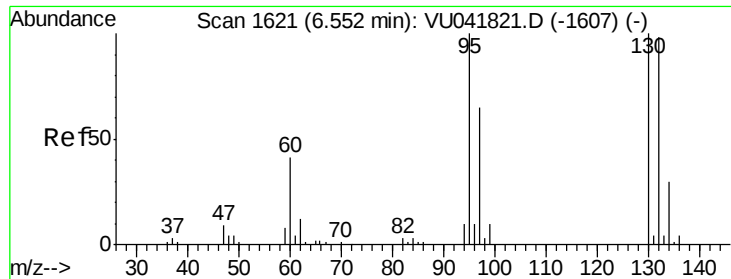
Acq: 05 Jan 2021 10:22

Tgt Ion: 78 Resp: 236834



Abundance Ion 78.10 (77.80 to 78.80): VU0

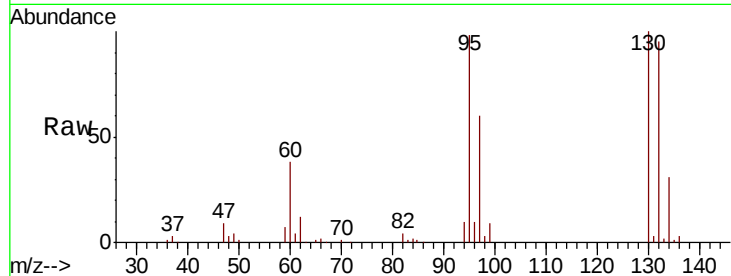




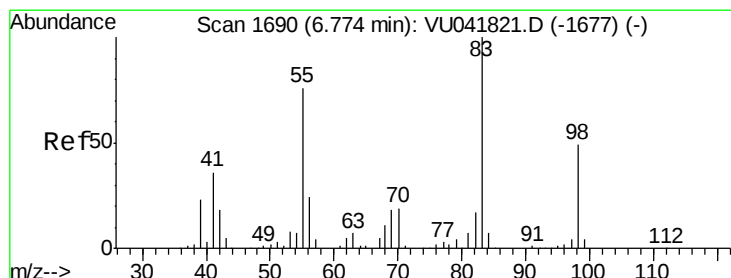
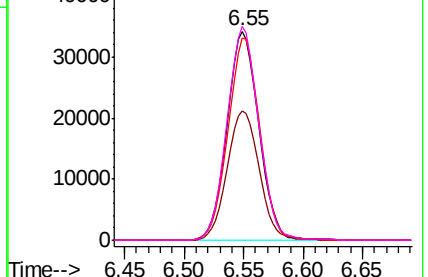
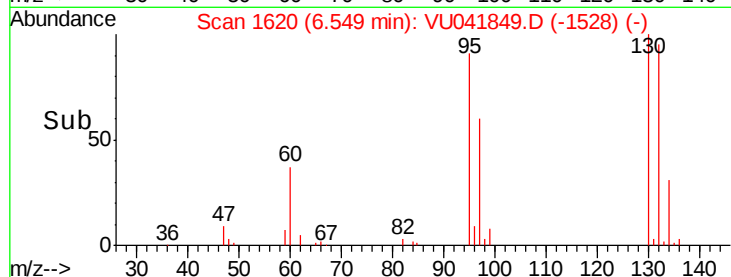
#34
 Trichloroethene
 Concen: 5.417 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 63235
 Ion Ratio Lower Upper
 95 100
 97 61.8 45.8 85.2
 132 96.7 68.7 127.7
 130 102.1 70.1 130.3

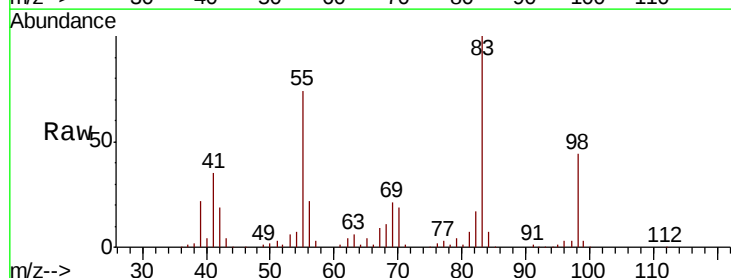


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

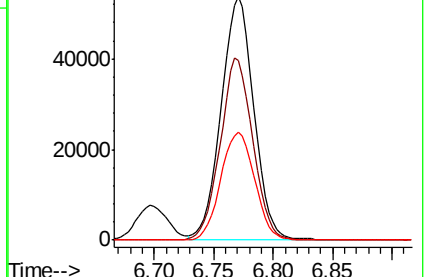
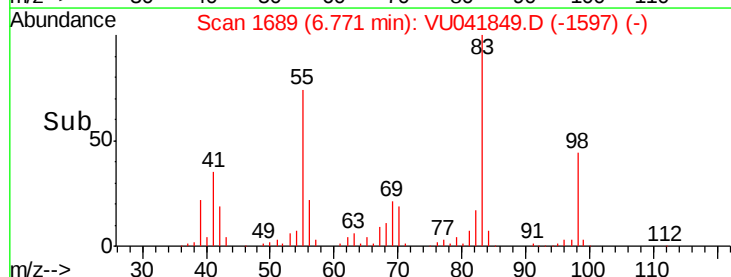


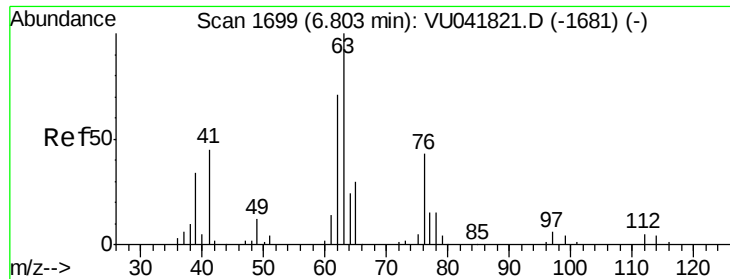
#35
 Methylcyclohexane
 Concen: 5.684 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 83 Resp: 101722
 Ion Ratio Lower Upper
 83 100
 55 74.8 59.5 89.3
 98 46.2 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

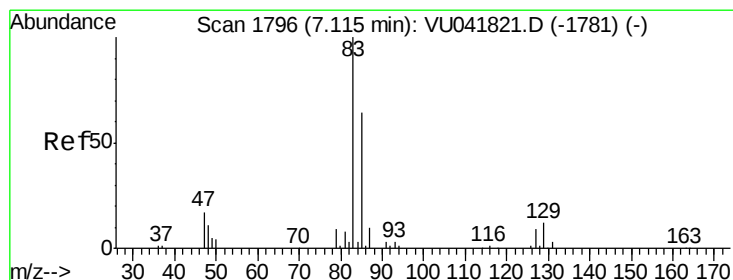
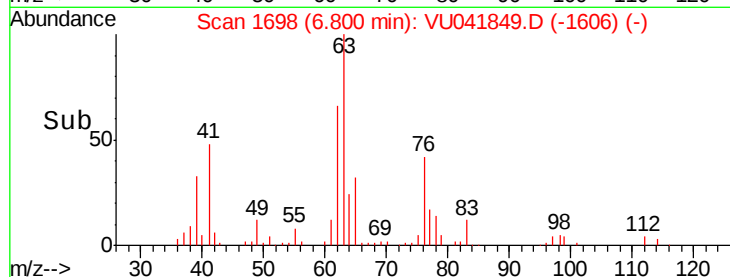
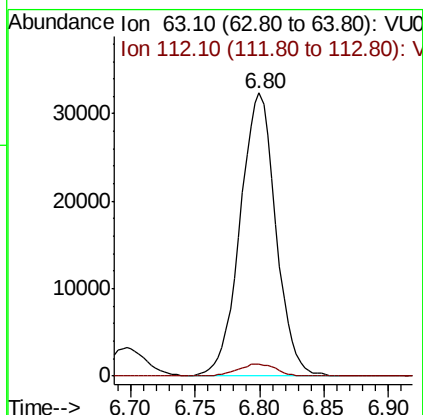
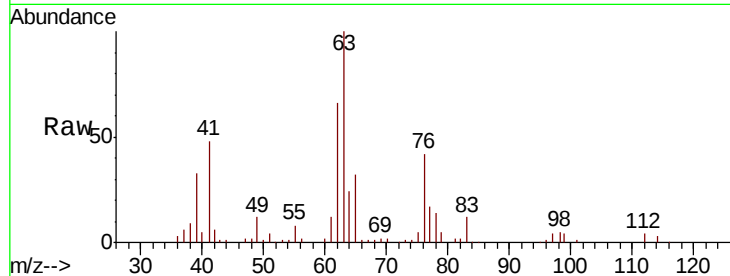




#37
 1,2-Dichloropropane
 Concen: 5.634 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

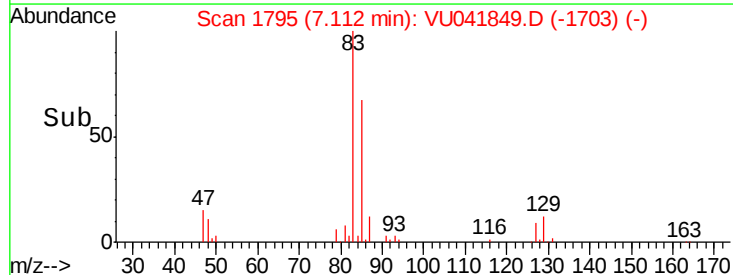
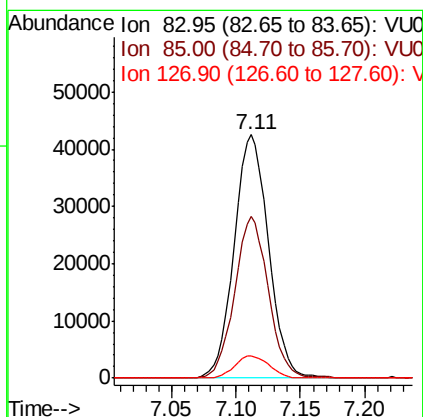
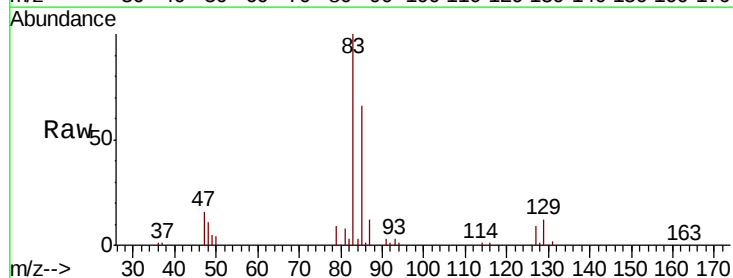
Instrument :
 MSVOA_U
 ClientSampleId :

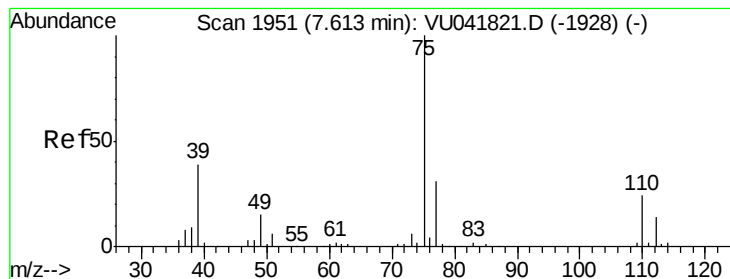
Tot Ion: 63 Resp: 62524
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.399 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 83 Resp: 78671
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.6 82.8
 127 9.2 7.4 11.2



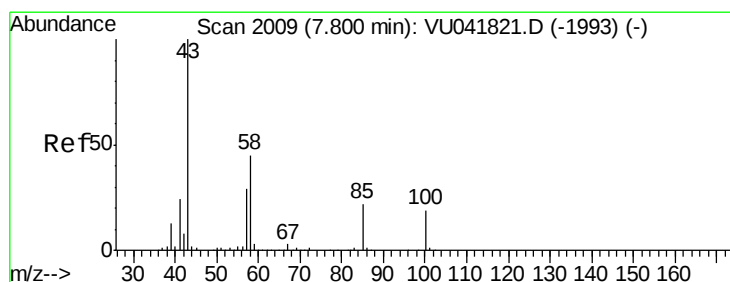
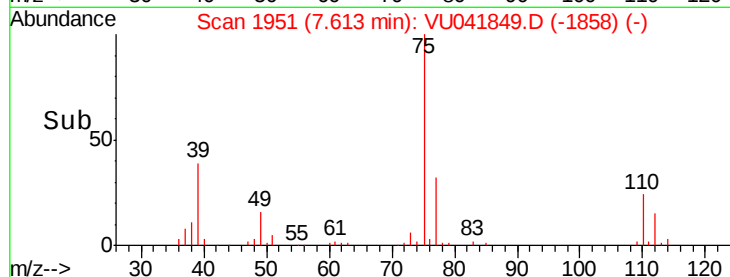
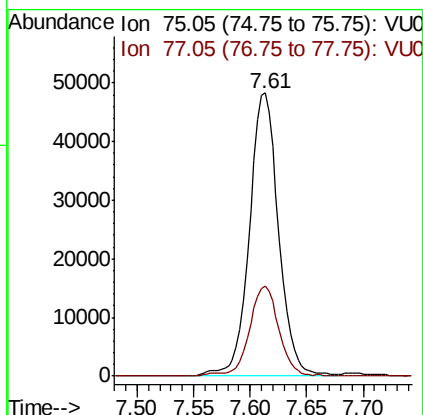
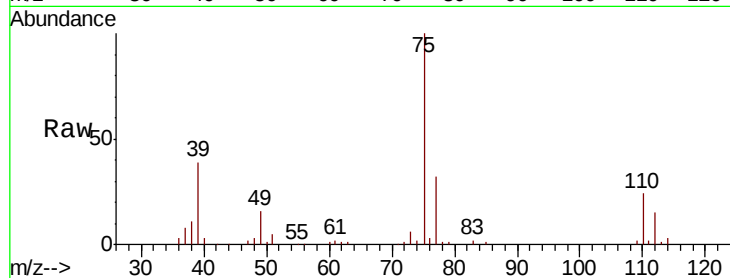


#39

cis-1,3-Dichloropropene
 Concen: 5.217 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampled :

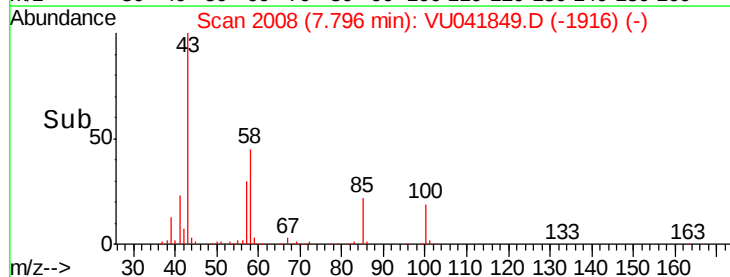
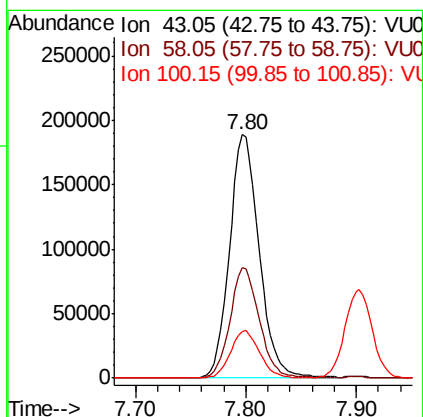
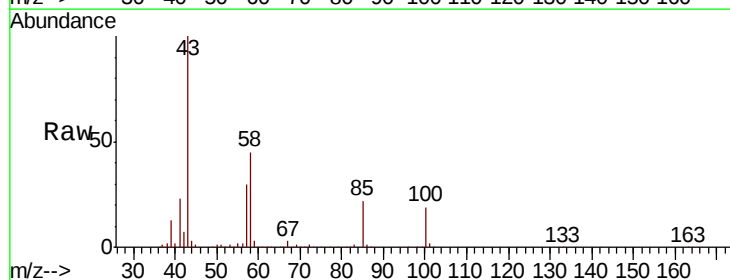
Tot Ion: 75 Resp: 86795
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.6

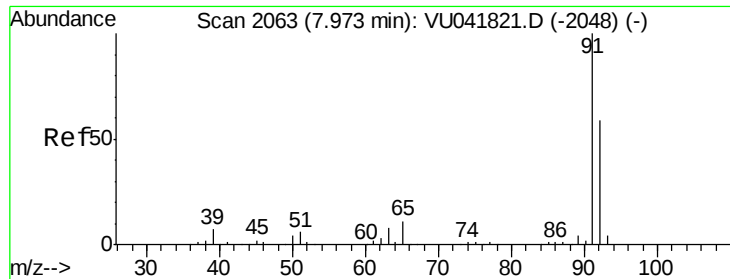


#40

4-Methyl-2-pentanone
 Concen: 49.639 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 43 Resp: 352601
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.8 53.6
 100 19.1 15.1 22.7





#42

Toluene

Concen: 5.577 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

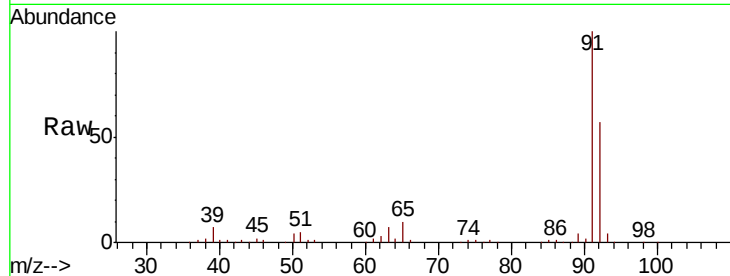
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 262728

Ion Ratio Lower Upper

91 100

92 57.4 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU041821.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041821.D (-2048) (-)

7.97

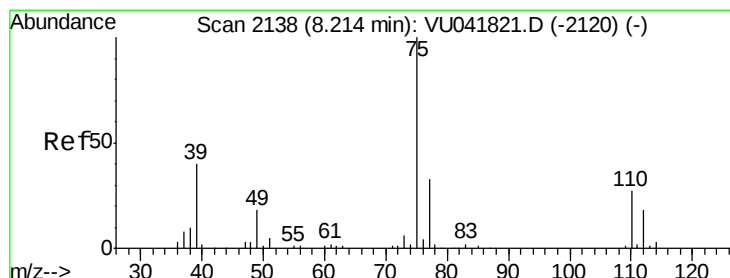
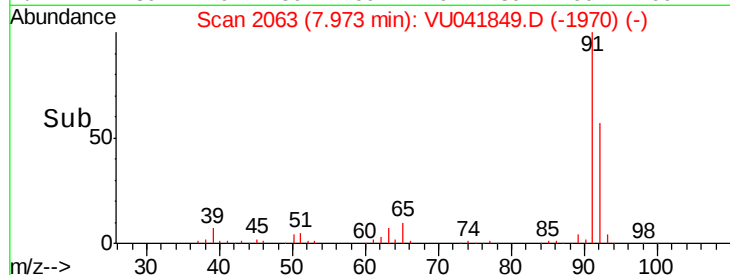
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041849.D

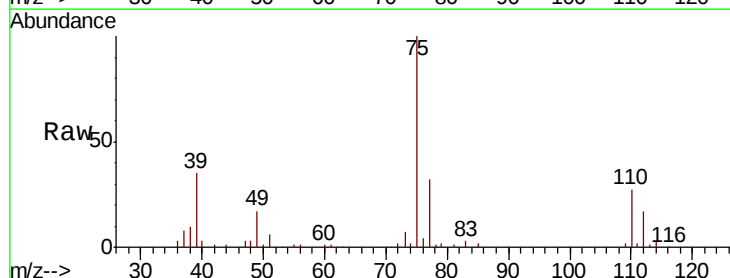
Acq: 05 Jan 2021 10:22

Tgt Ion: 75 Resp: 78618

Ion Ratio Lower Upper

75 100

77 32.4 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU041821.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041821.D (-2120) (-)

8.21

50000

40000

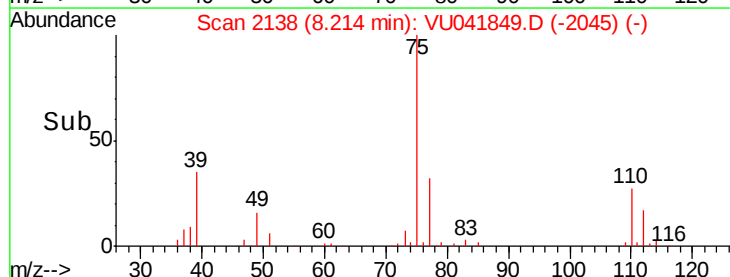
30000

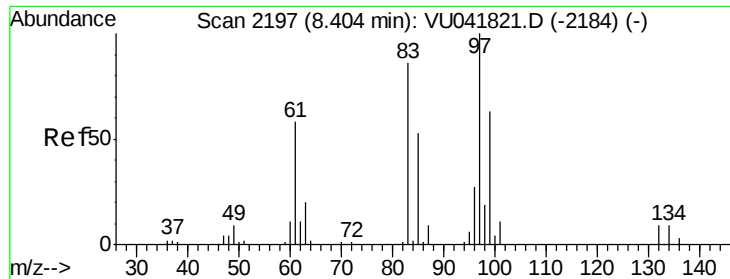
20000

10000

0

Time-->

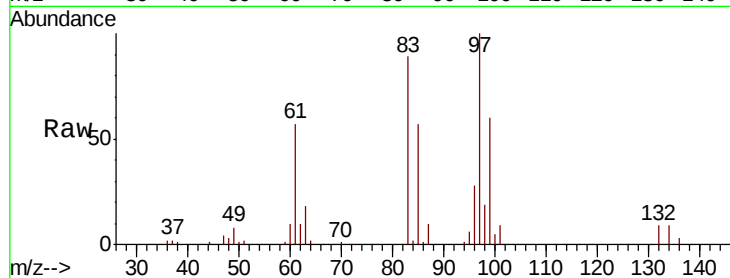




#45
1,1,2-Trichloroethane
Concen: 5.209 ug/L
RT: 8.40 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	46809
Ion	Ratio	Lower	Upper
97	100		
99	59.6	44.2	82.0
83	88.9	60.1	111.7
85	57.2	37.3	69.3



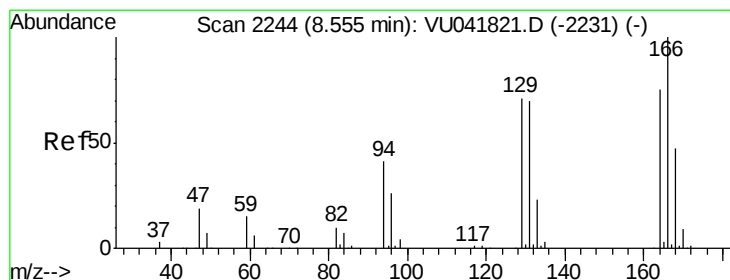
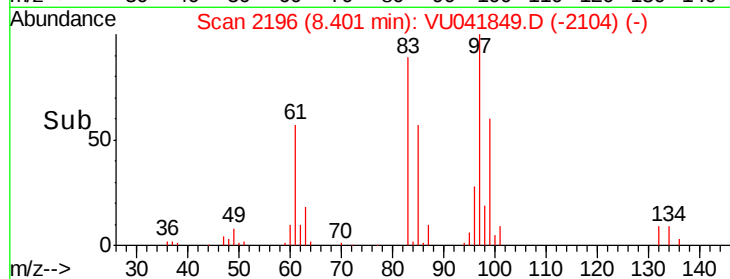
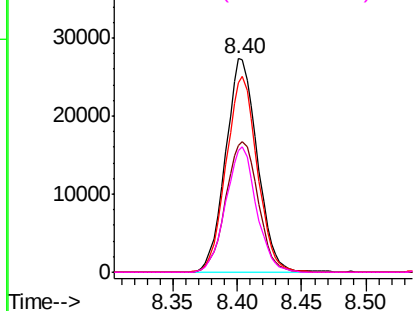
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

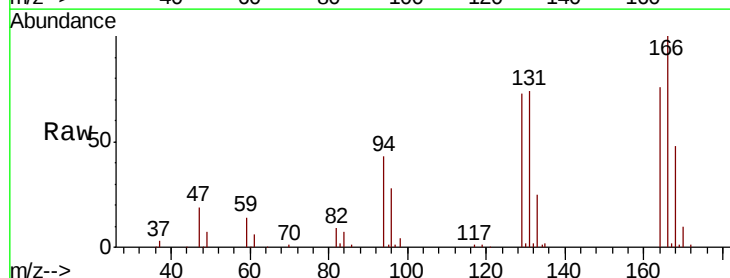
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.487 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion:	164	Resp:	50077
Ion	Ratio	Lower	Upper
164	100		
129	96.2	66.6	123.8
131	96.4	65.9	122.3
166	131.0	93.7	173.9



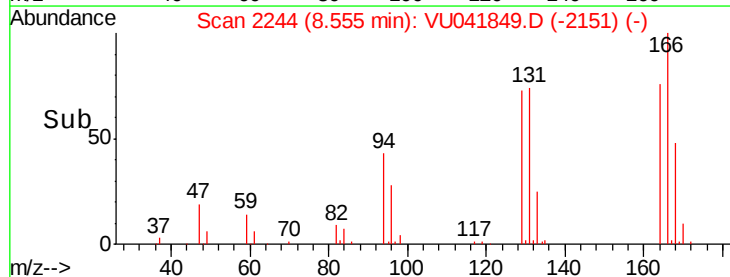
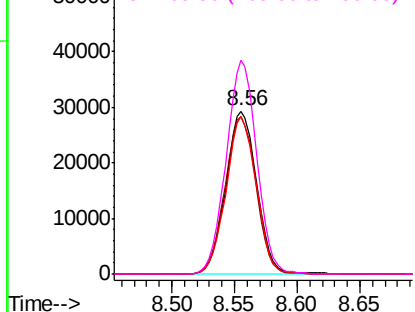
Abundance

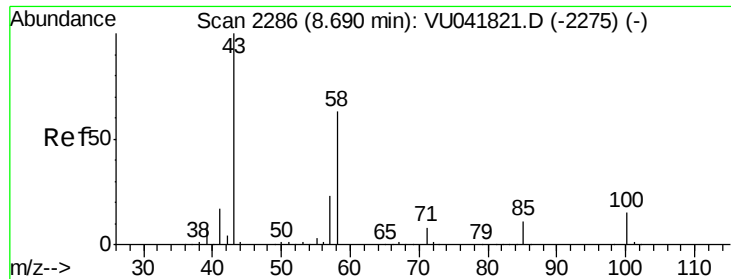
Ion 163.90 (163.60 to 164.60): V

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

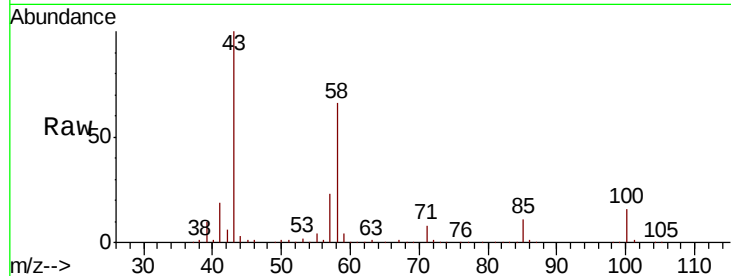




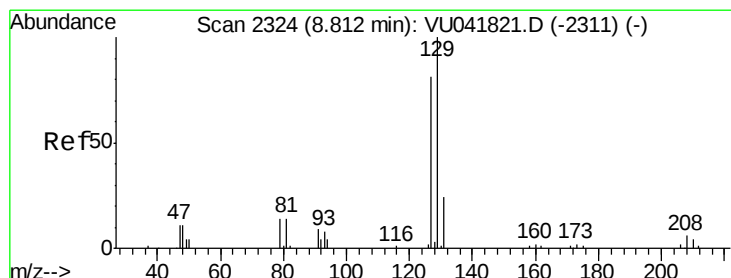
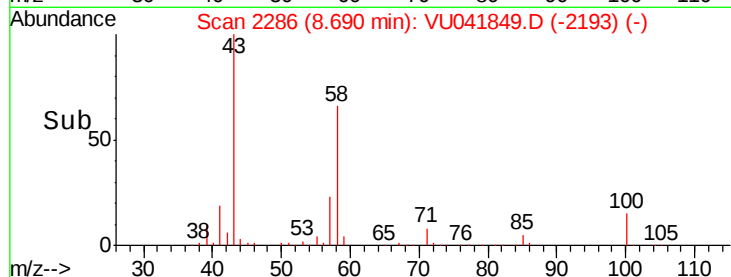
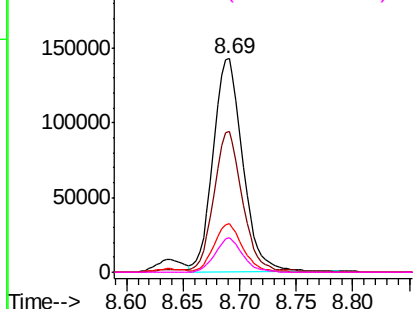
#48
2-Hexanone
Concen: 50.049 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 259966
Ion Ratio Lower Upper
43 100
58 64.7 50.0 75.0
57 22.0 17.4 26.0
100 15.1 11.8 17.8

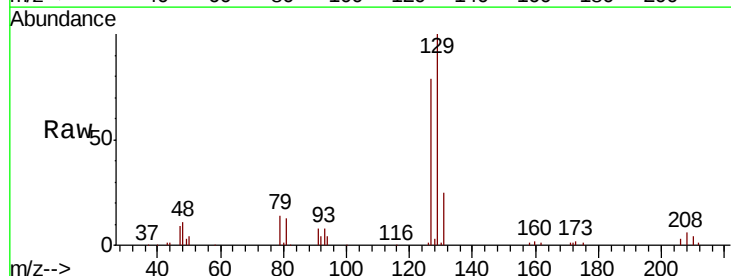


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

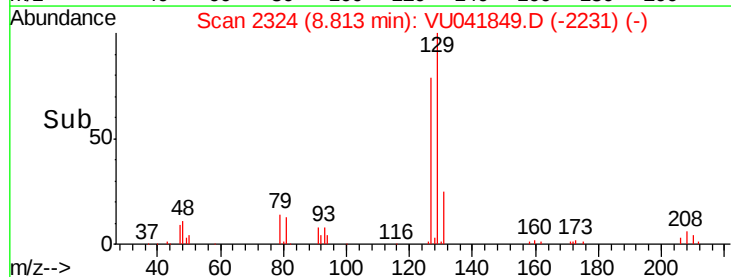
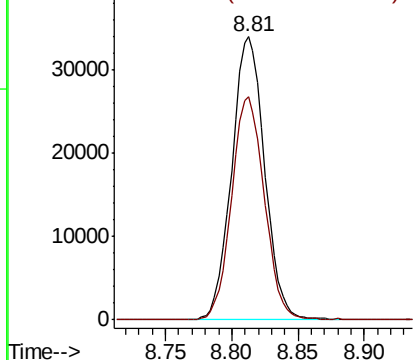


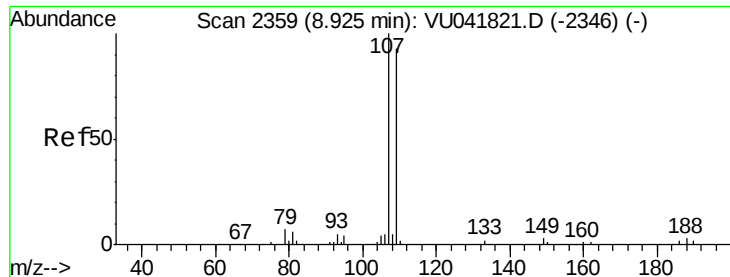
#49
Dibromochloromethane
Concen: 5.410 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion: 129 Resp: 58469
Ion Ratio Lower Upper
129 100
127 78.7 56.6 105.2



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

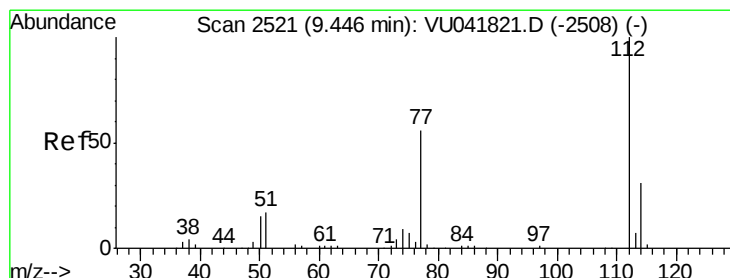
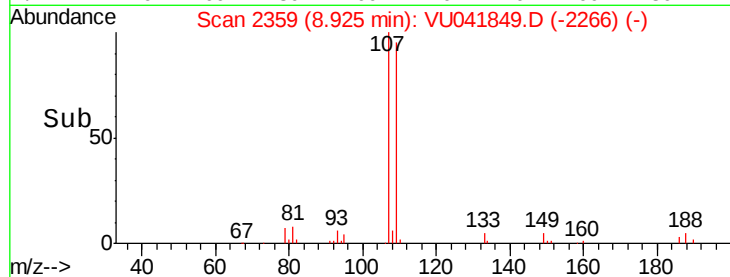
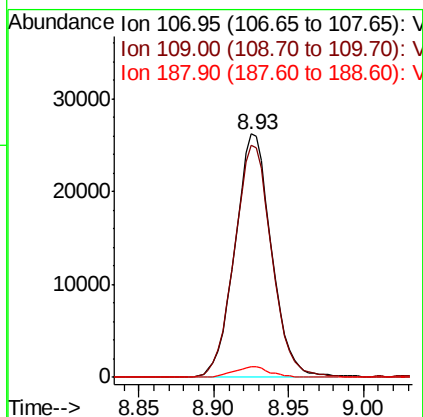
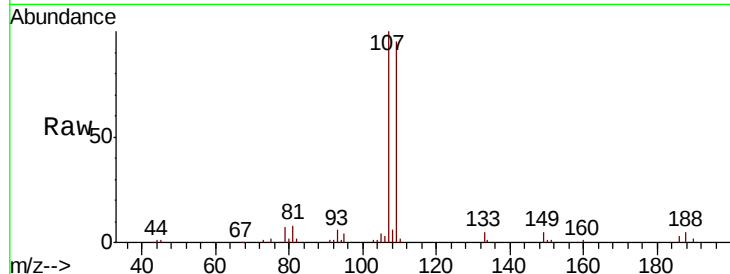




#50
 1,2-Dibromoethane
 Concen: 5.012 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

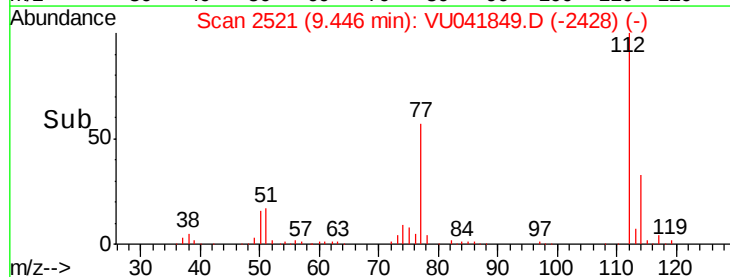
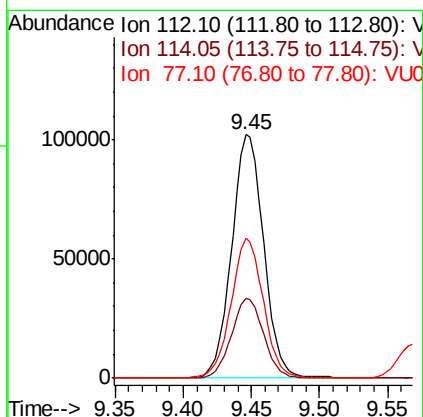
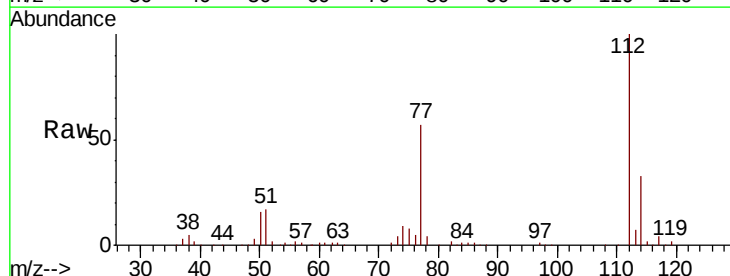
Instrument :
 MSVOA_U
 ClientSampleId :

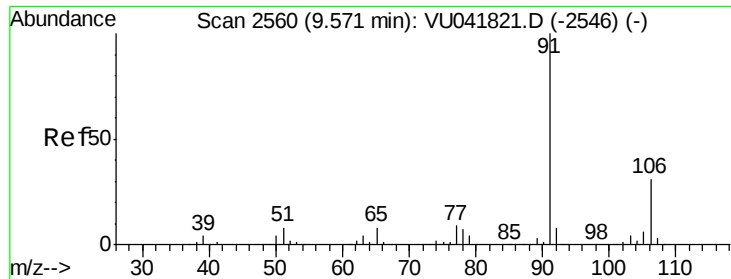
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.4	121.4
188	4.6	2.5	3.7#



#51
 Chlorobenzene
 Concen: 5.389 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	21.9	40.7
77	57.3	45.1	67.7

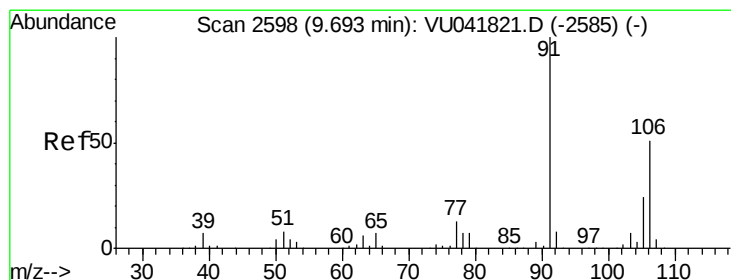
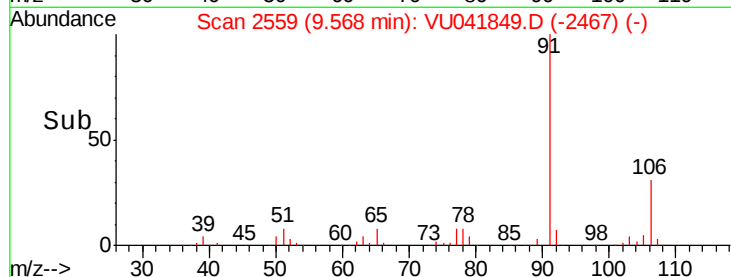
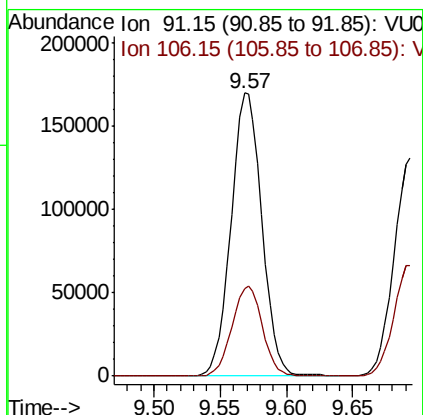
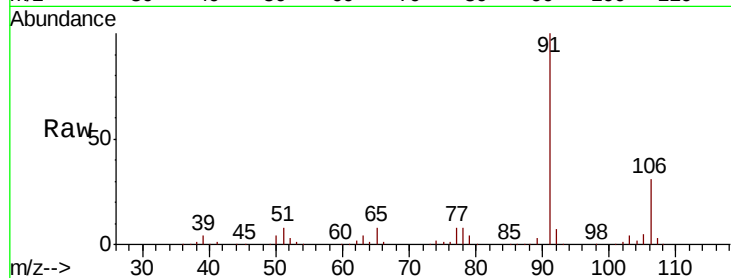




#52
Ethylbenzene
Concen: 5.590 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

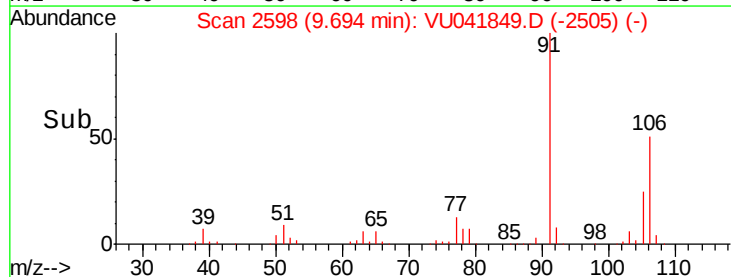
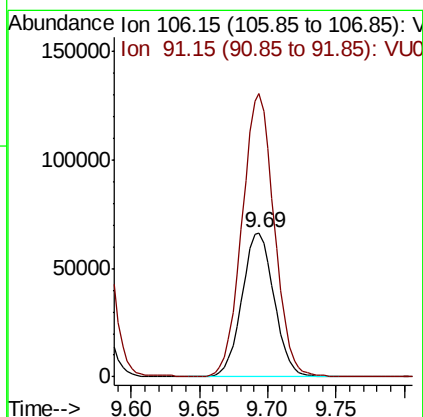
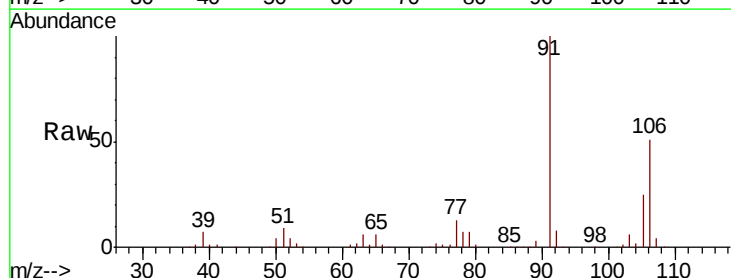
Instrument :
MSVOA_U
ClientSampled :

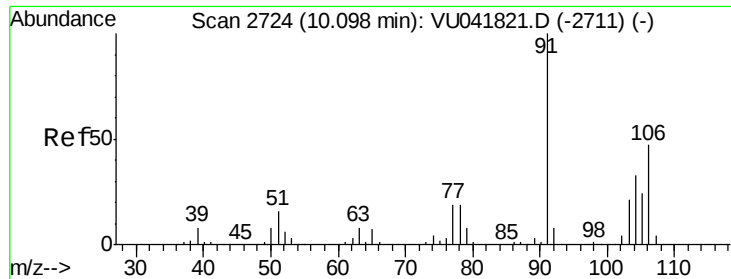
Tot Ion: 91 Resp: 274401
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#53
m,p-Xylene
Concen: 5.664 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion: 106 Resp: 109057
Ion Ratio Lower Upper
106 100
91 196.0 137.6 255.6

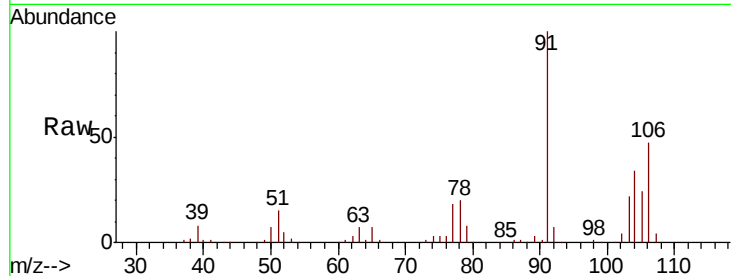




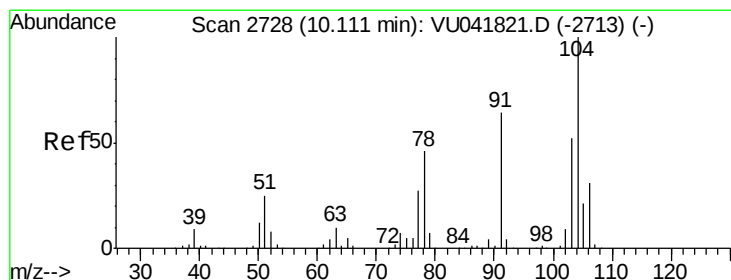
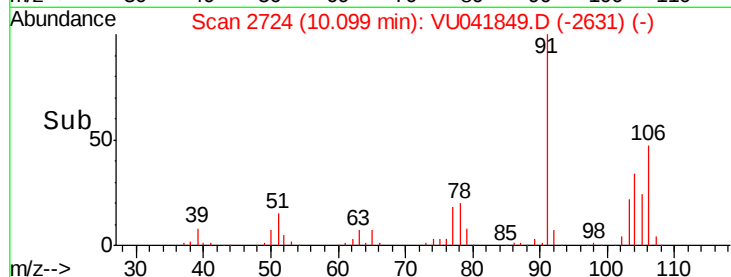
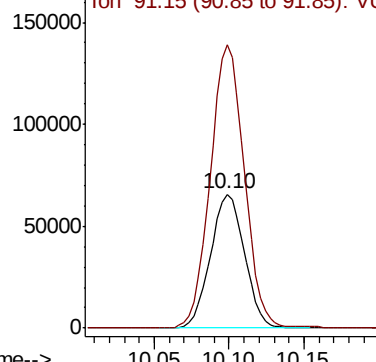
#54
o-Xylene
Concen: 5.689 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 104340
Ion Ratio Lower Upper
106 100
91 211.7 148.5 275.9

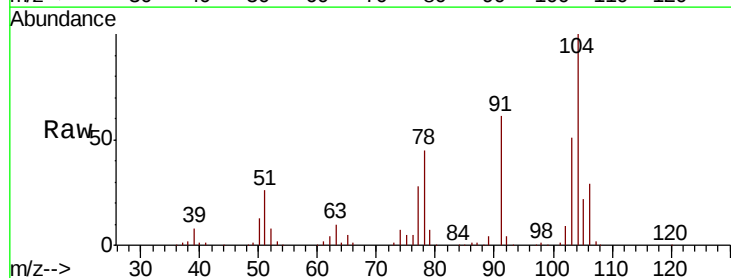


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

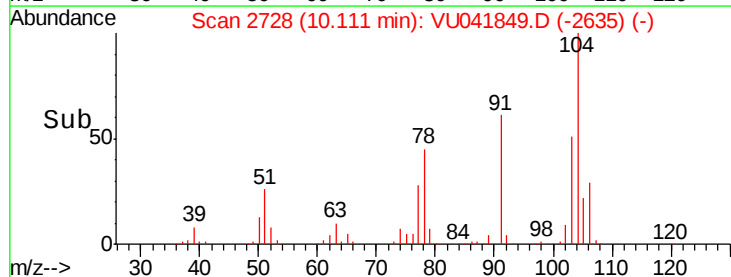
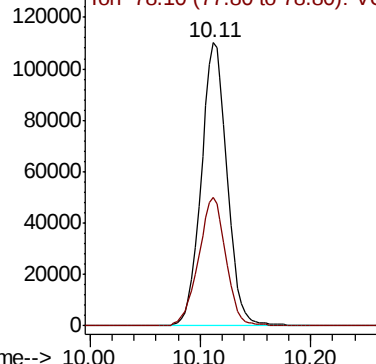


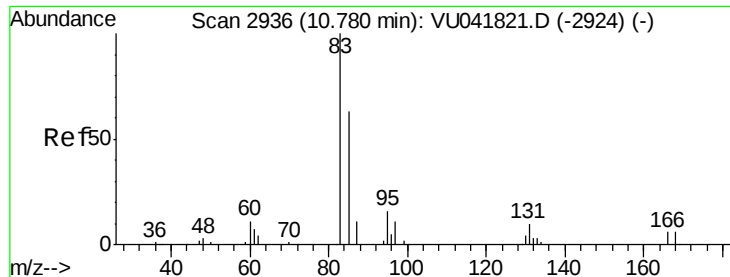
#55
Styrene
Concen: 5.669 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion:104 Resp: 179013
Ion Ratio Lower Upper
104 100
78 45.4 32.3 60.1



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

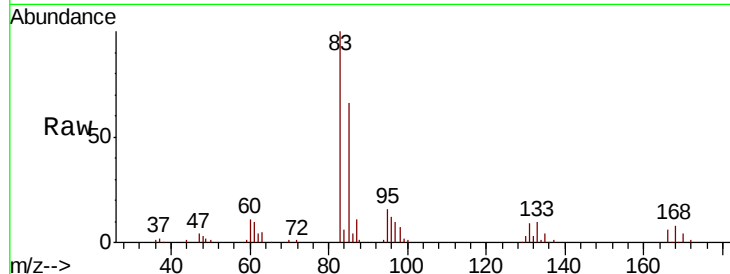




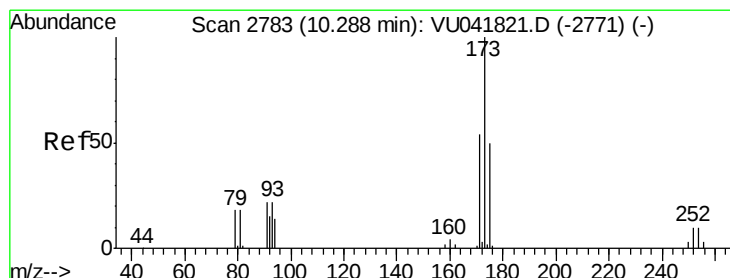
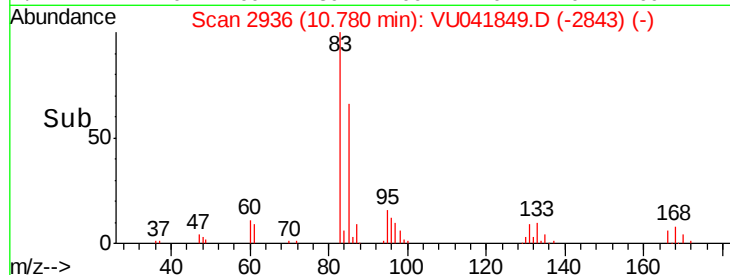
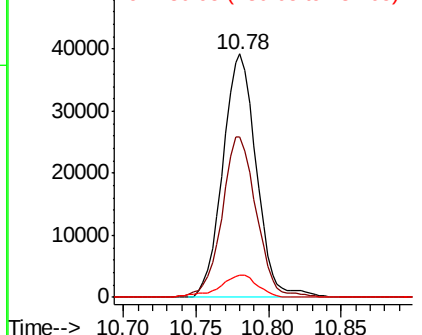
#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.354 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	83	Resp	63196
Ion Ratio	Lower	Upper	
83	100		
85	66.1	44.9	83.5
131	9.1	8.2	12.4

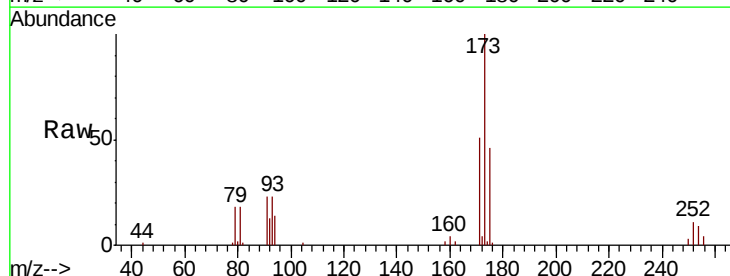


Abundance Ion 82.95 (82.65 to 83.65): VU041821.D (-2924) (-)
 Ion 85.00 (84.70 to 85.70): VU041821.D (-2924) (-)
 Ion 130.95 (130.65 to 131.65): VU041821.D (-2924) (-)

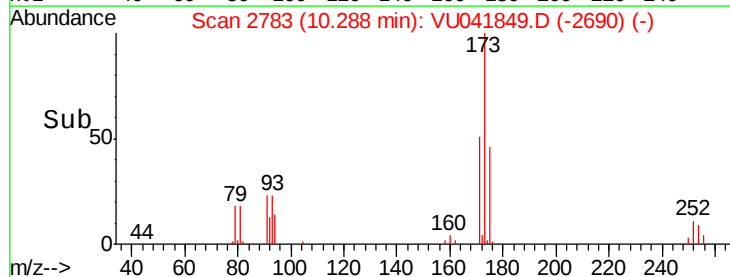
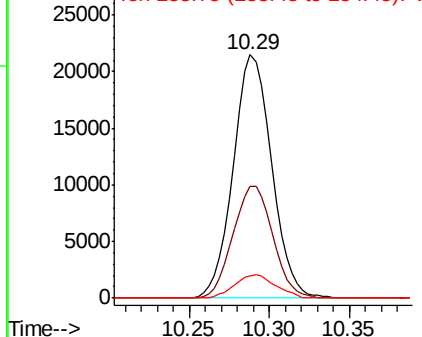


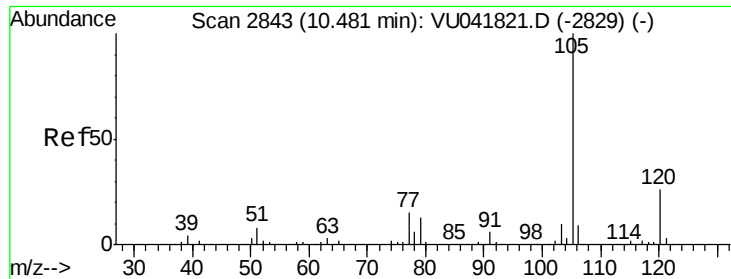
#59
 Bromoform
 Concen: 5.037 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion	173	Resp	35196
Ion Ratio	Lower	Upper	
173	100		
175	47.4	39.4	59.0
254	10.1	8.0	12.0



Abundance Ion 172.90 (172.60 to 173.60): VU041821.D (-2771) (-)
 Ion 174.90 (174.60 to 175.60): VU041821.D (-2771) (-)
 Ion 253.75 (253.45 to 254.45): VU041821.D (-2771) (-)





#60

Isopropylbenzene

Concen: 5.462 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

Instrument :

MSVOA_U

ClientSampleId :

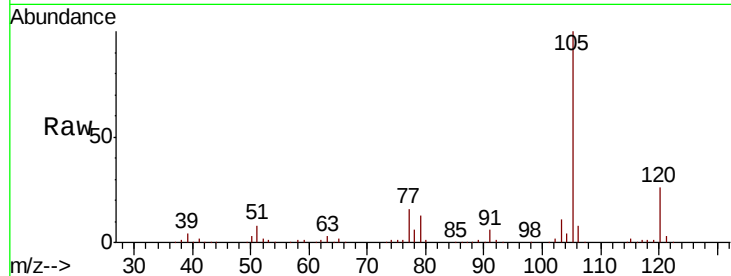
Tot Ion:105 Resp: 277206

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

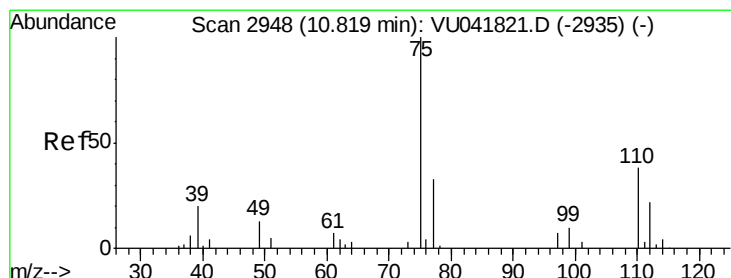
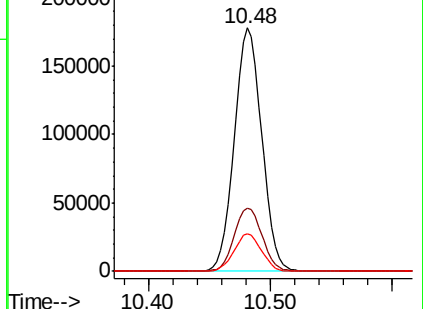
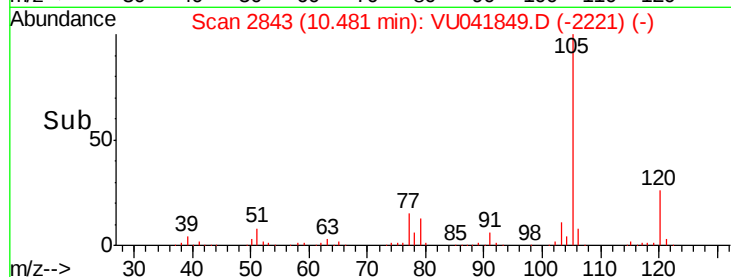
77 15.4 11.8 17.8



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: 4.823 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041849.D

Acq: 05 Jan 2021 10:22

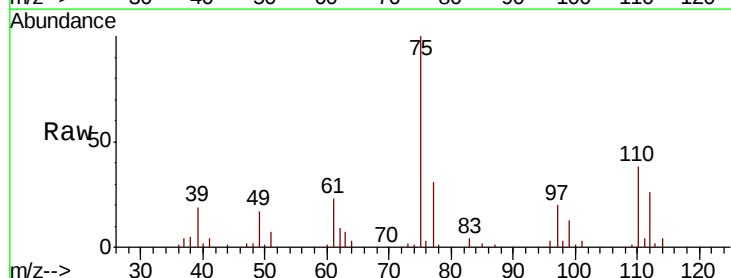
Tgt Ion: 75 Resp: 43916

Ion Ratio Lower Upper

75 100

110 39.1 31.5 47.3

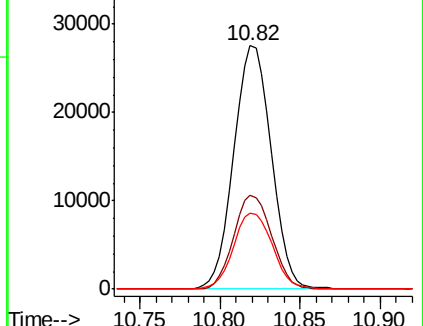
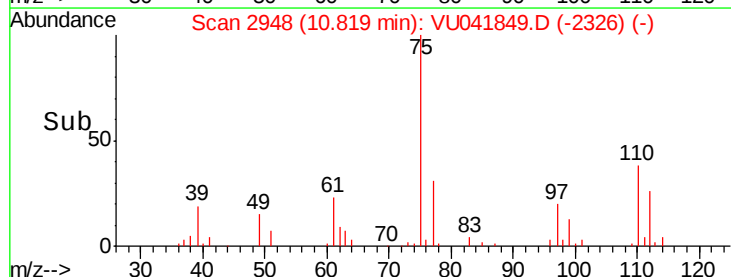
77 32.5 26.3 39.5

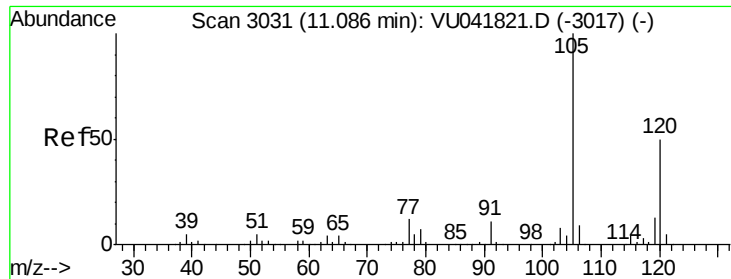


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

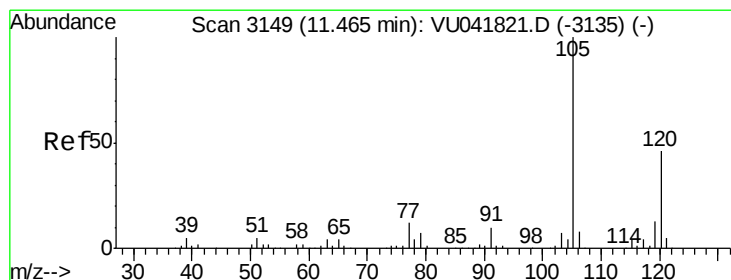
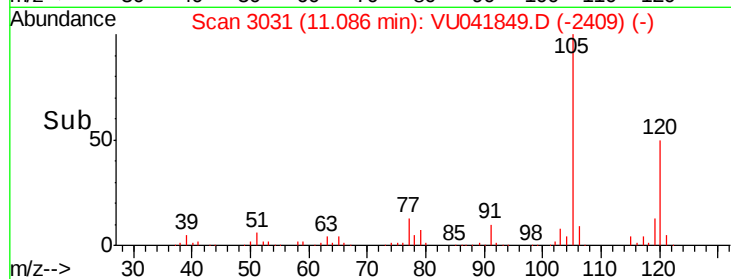
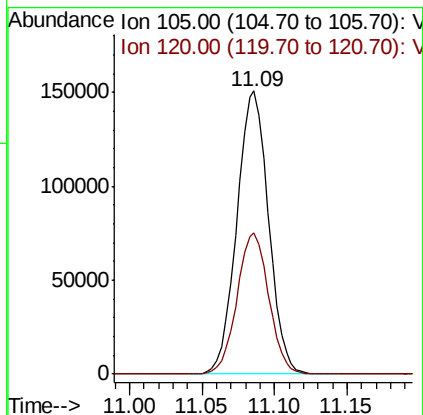
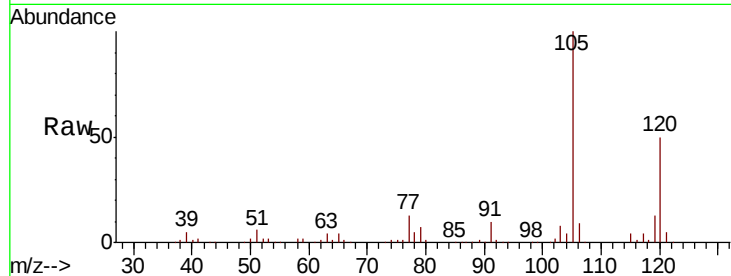




#62
 1,3,5-Trimethylbenzene
 Concen: 5.500 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

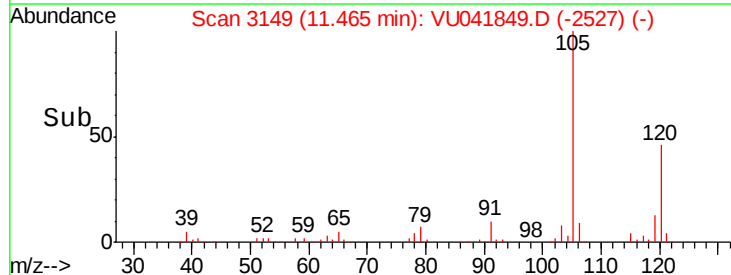
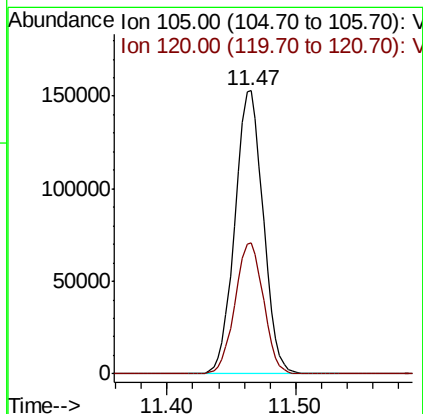
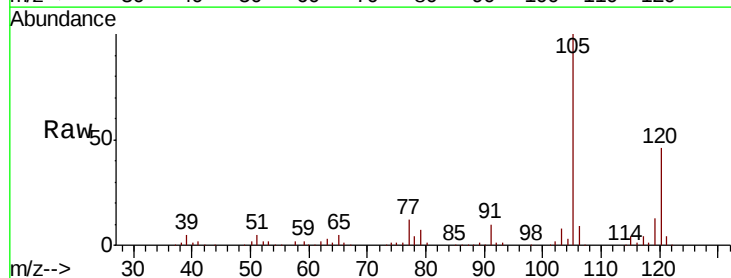
Instrument :
 MSVOA_U
 ClientSampleId :

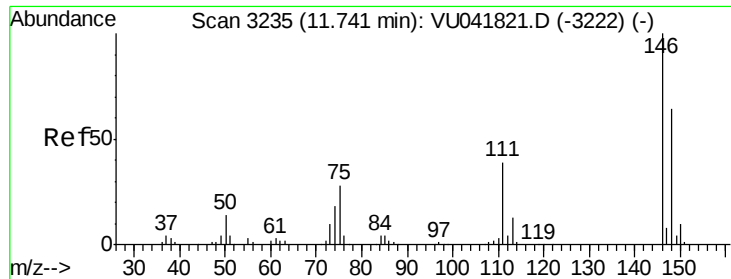
Tot Ion:105 Resp: 229117
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 5.645 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion:105 Resp: 233477
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.7 55.1

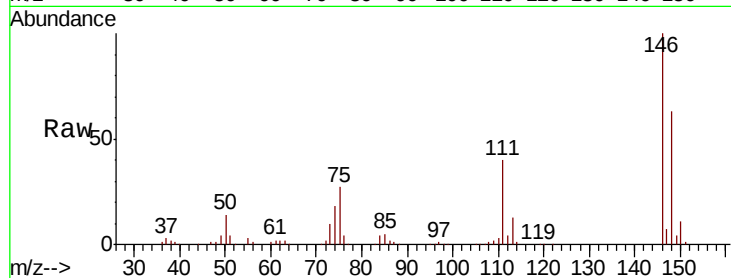




#64
 1,3-Dichlorobenzene
 Concen: 5.471 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.6	51.2
148	63.5	44.9	83.3

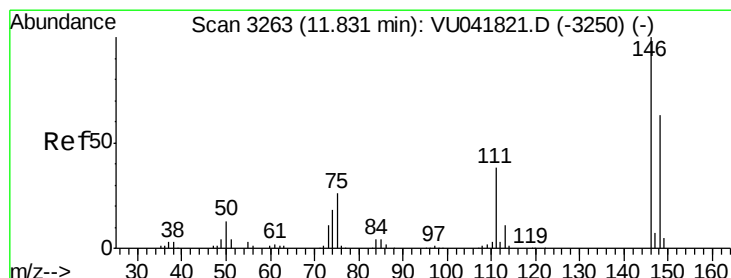
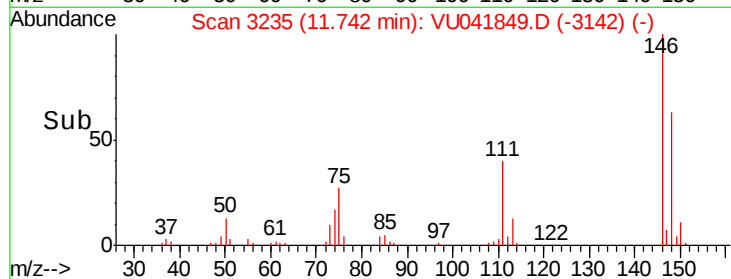
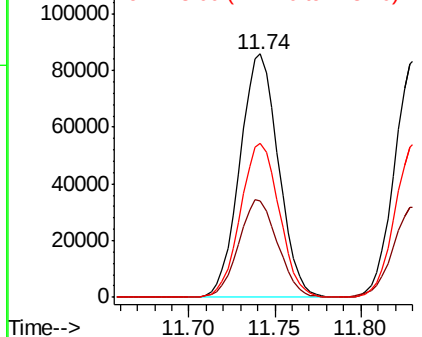


Abundance

Ion 145.95 (145.65 to 146.65): V

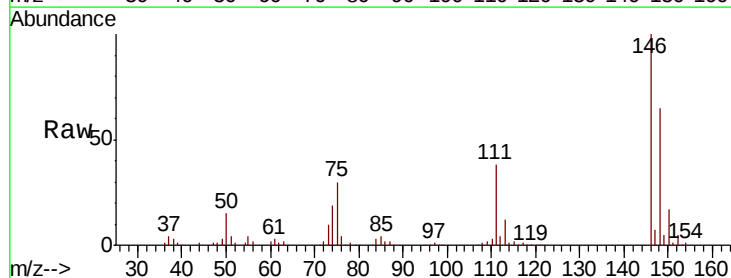
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65
 1,4-Dichlorobenzene
 Concen: 5.365 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.7	49.5
148	64.8	43.9	81.5

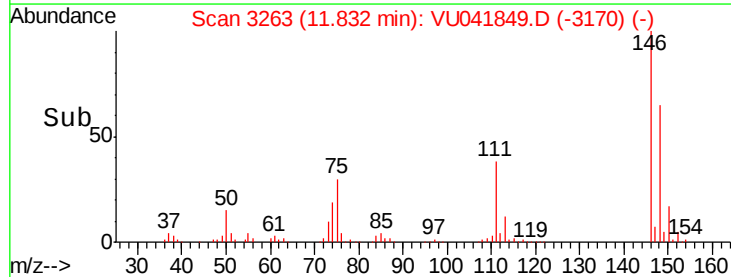
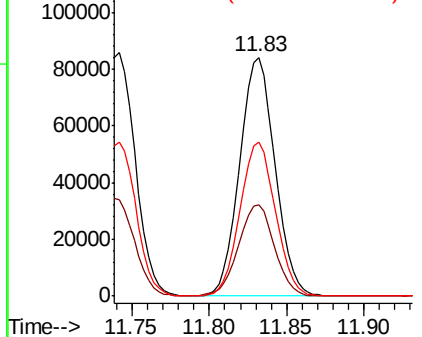


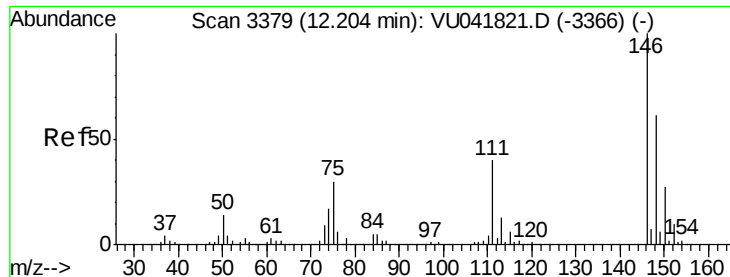
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

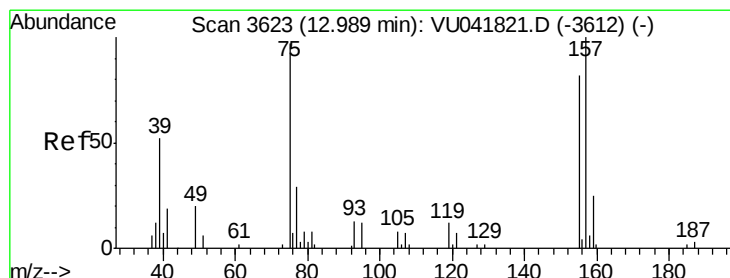
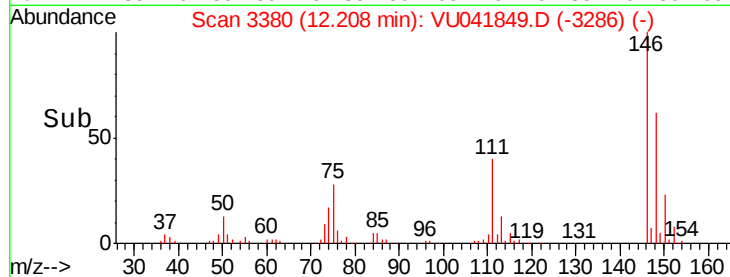
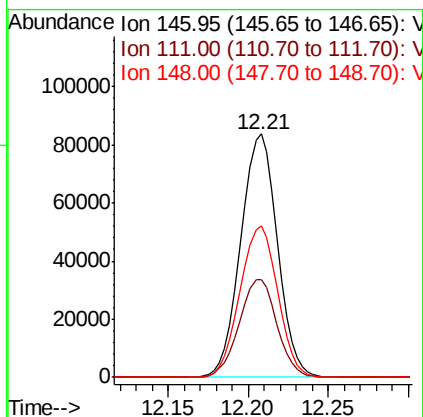
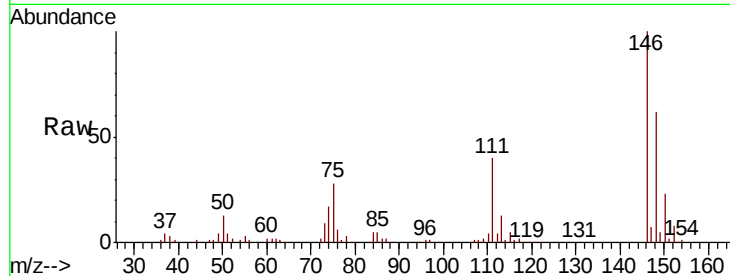




#67
 1,2-Dichlorobenzene
 Concen: 5.359 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

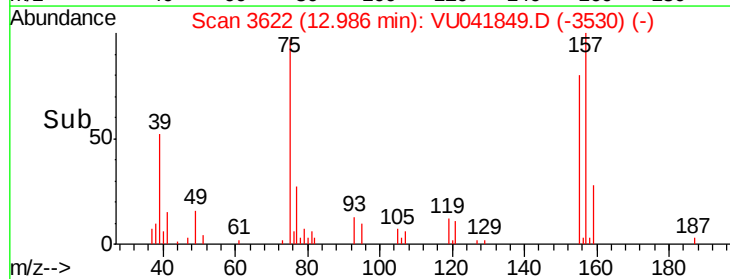
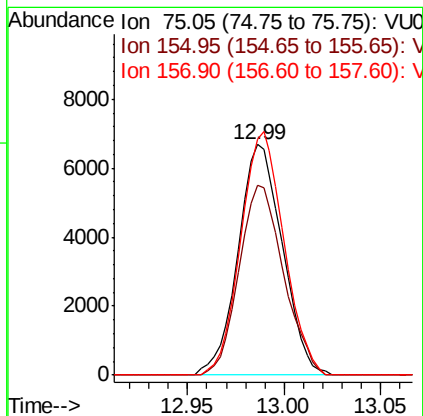
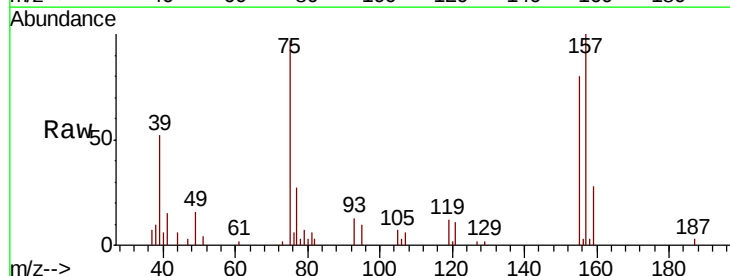
Instrument :
 MSVOA_U
 ClientSampleId :

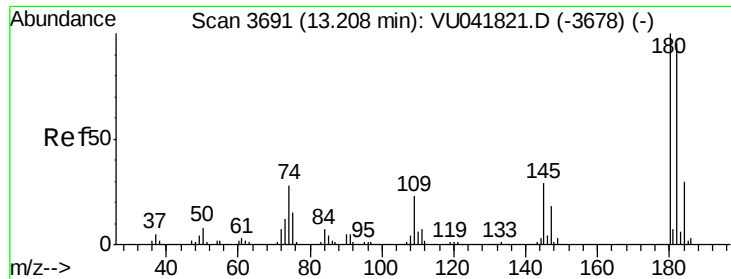
Tot Ion:146 Resp: 130770
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.9 47.9
 148 62.2 48.8 73.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.078 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion: 75 Resp: 10642
 Ion Ratio Lower Upper
 75 100
 155 82.2 67.8 101.8
 157 102.6 82.4 123.6

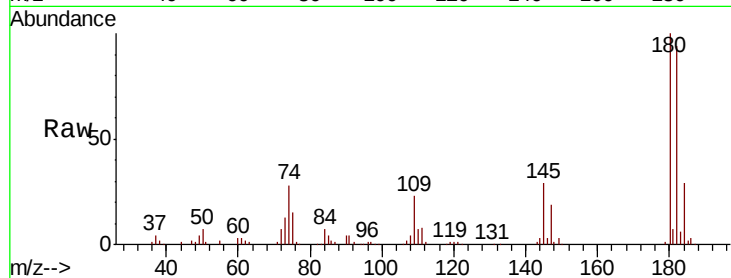




#69
 1,3,5-Trichlorobenzene
 Concen: 5.567 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
184	30.6	24.0	36.0
145	29.1	23.2	34.8



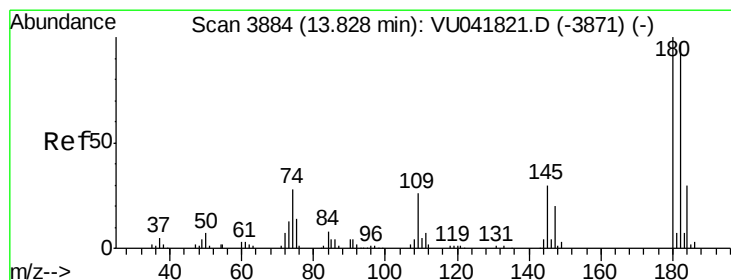
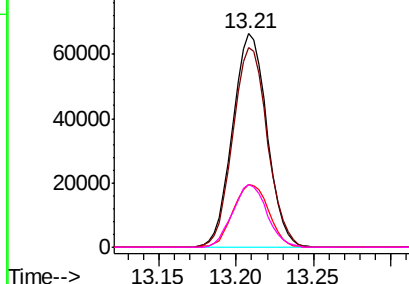
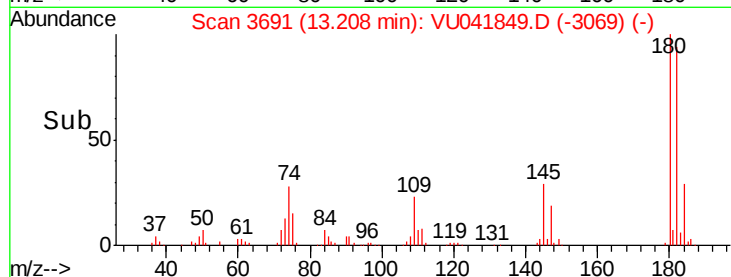
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

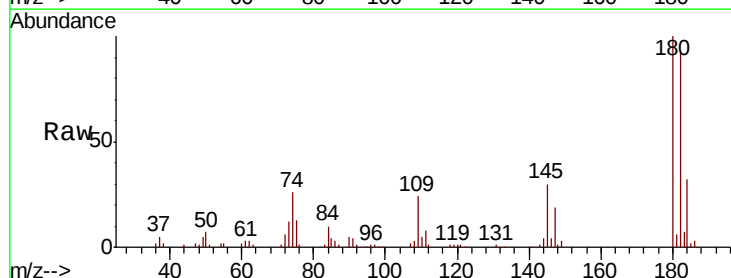
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.977 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041849.D
 Acq: 05 Jan 2021 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
145	31.0	24.1	36.1

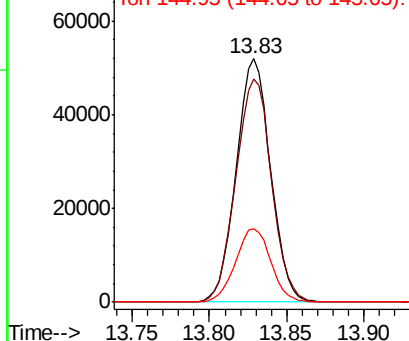
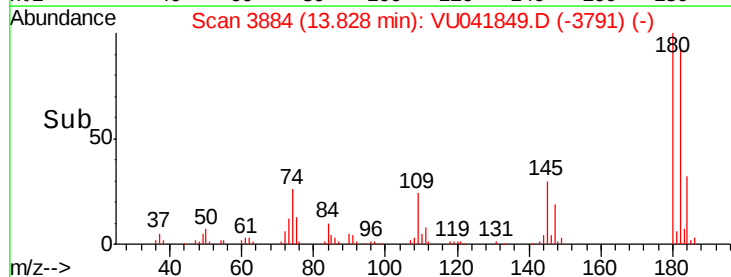


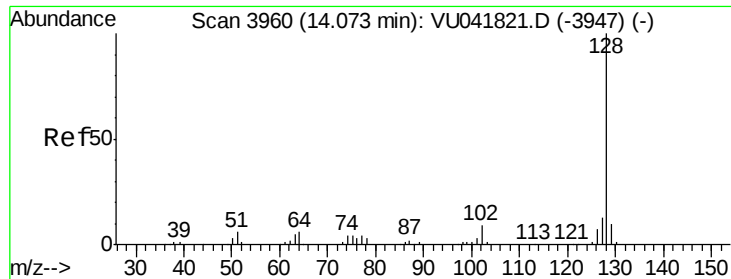
Abundance

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

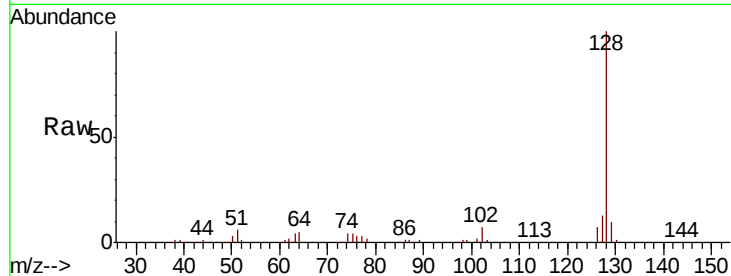




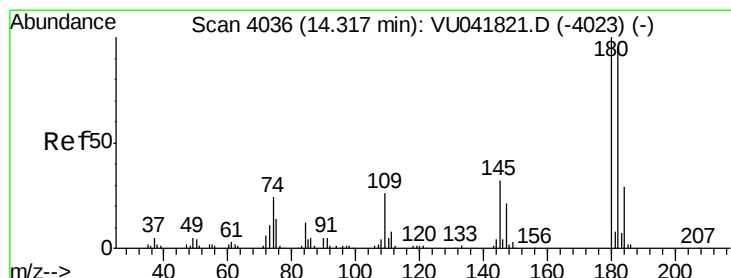
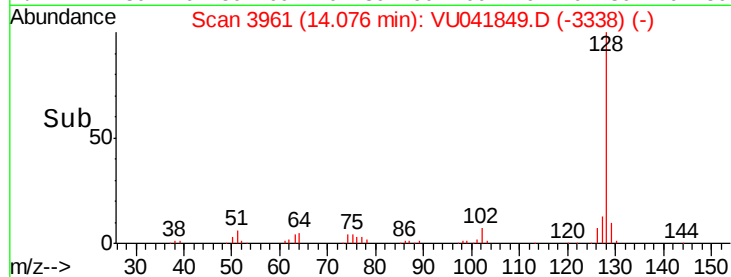
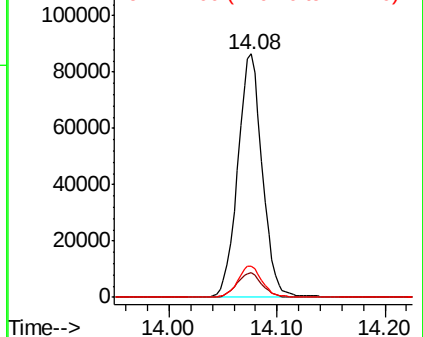
#71
Naphthalene
Concen: 5.767 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 136447
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.9 10.6 15.8

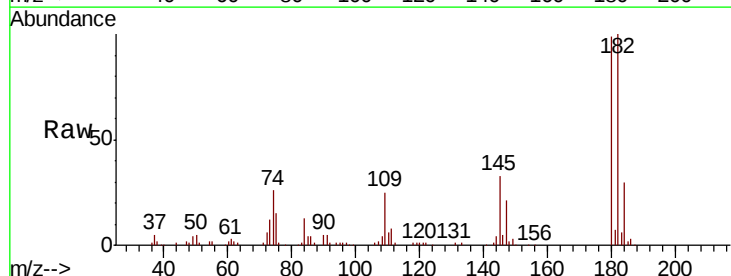


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 5.846 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041849.D
Acq: 05 Jan 2021 10:22

Tgt Ion:180 Resp: 74902
Ion Ratio Lower Upper
180 100
182 99.7 75.8 113.8
145 31.7 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

