

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
 Data File : VU041103.D
 Acq On : 04 Nov 2020 17:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:52:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55526	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54401	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28474	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19122	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	14884	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.58	63	39347	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.65	46	73661	47.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.90%
24) Chloroform-d	5.08	84	40028	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	23889	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	73001	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	24574	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	67935	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.19	79	10364	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.64	63	54731	49.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21828	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25048	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	22863	4.510	ug/L	99
3) Chloromethane	1.53	50	23973	4.535	ug/L	99
5) Vinyl chloride	1.61	62	24104	4.622	ug/L	92
6) Bromomethane	1.87	94	13037	4.361	ug/L	98
8) Chloroethane	1.94	64	14094	4.266	ug/L	98
9) Trichlorofluoromethane	2.15	101	33286	4.696	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19263	4.637	ug/L	98
12) 1,1-Dichloroethene	2.59	96	17216	4.389	ug/L	94
13) Acetone	2.65	43	51127	48.681	ug/L #	59
14) Carbon disulfide	2.81	76	54066	4.125	ug/L	98
15) Methyl Acetate	2.97	43	11572	4.815	ug/L	92
16) Methylene chloride	3.06	84	22289	4.877	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	48657	4.820	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	18459	4.631	ug/L	97
19) 1,1-Dichloroethane	3.89	63	38715	4.858	ug/L	98
21) 2-Butanone	4.73	43	80731	49.183	ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	20358	4.951	ug/L	98

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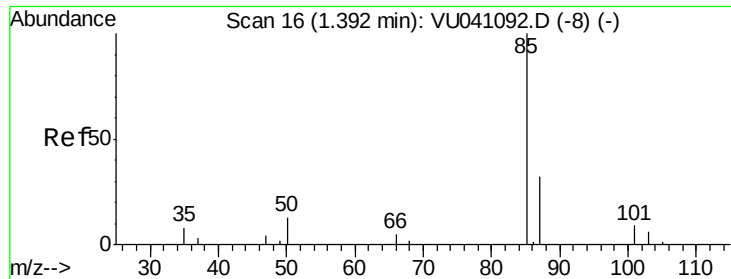
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:52:22 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	9862	5.084	ug/L	98
25) Chloroform	5.11	83	39316	4.920	ug/L	98
27) 1,2-Dichloroethane	5.81	62	28406	4.773	ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	33108	4.976	ug/L	97
30) Cyclohexane	5.41	56	31097	4.744	ug/L	99
31) Carbon tetrachloride	5.54	117	28568	4.849	ug/L	98
33) Benzene	5.79	78	81283	5.000	ug/L	100
34) Trichloroethene	6.55	95	21177	5.119	ug/L	97
35) Methylcyclohexane	6.77	83	29510	4.782	ug/L	99
37) 1,2-Dichloropropane	6.80	63	22905	5.208	ug/L #	96
38) Bromodichloromethane	7.11	83	28877	5.061	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	30778	5.082	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	183541	52.337	ug/L	98
42) Toluene	7.98	91	84894	5.150	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	29169	5.147	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	16072	4.909	ug/L	99
47) Tetrachloroethene	8.56	164	14624	4.808	ug/L	97
48) 2-Hexanone	8.69	43	139014	52.645	ug/L	99
49) Dibromochloromethane	8.82	129	19245	5.061	ug/L	98
50) 1,2-Dibromoethane	8.93	107	15619	5.006	ug/L	99
51) Chlorobenzene	9.45	112	52569	5.030	ug/L	98
52) Ethylbenzene	9.57	91	86938	5.011	ug/L	100
53) m,p-Xylene	9.69	106	32945	5.207	ug/L	96
54) o-Xylene	10.10	106	31411	5.330	ug/L	98
55) Styrene	10.11	104	56387	5.370	ug/L	97
56) Isopropylbenzene	10.48	105	85618	5.403	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	21371	4.970	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	17119	5.222	ug/L	97
61) Bromoform	10.29	173	10704	4.878	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	42698	5.195	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	43518	5.112	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	40753	5.024	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4176	5.253	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	30075	5.232	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	25014	5.253	ug/L	97
69) Naphthalene	14.08	128	43704	5.132	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	23871	5.439	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.510 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

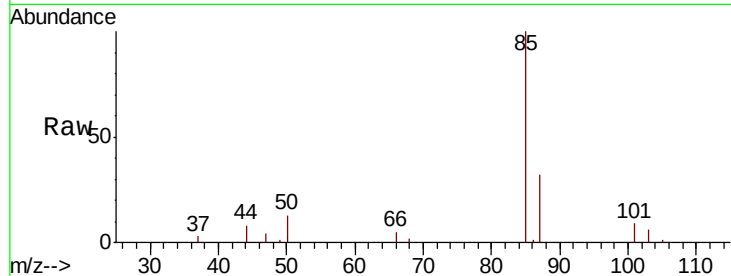
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 22863

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041103.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041103.D (-1) (-)

1.39

25000

20000

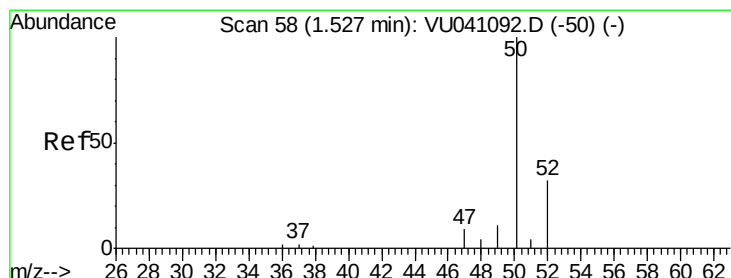
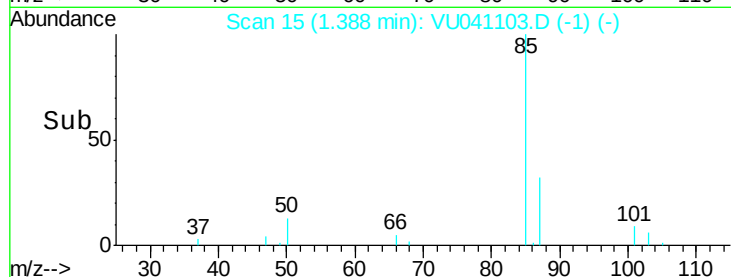
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 4.535 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041103.D

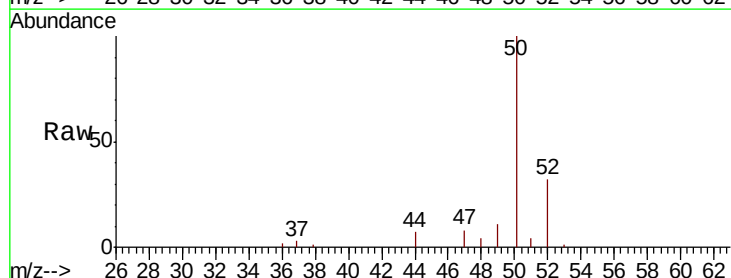
Acq: 04 Nov 2020 17:48

Tgt Ion: 50 Resp: 23973

Ion Ratio Lower Upper

50 100

52 32.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041103.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041103.D (-1) (-)

1.53

25000

20000

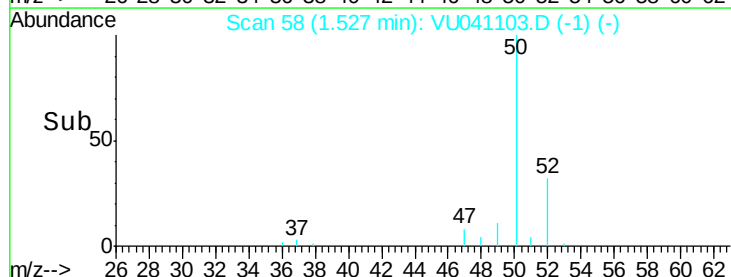
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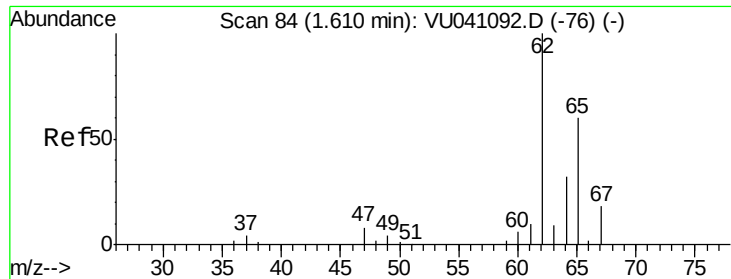
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 4.622 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

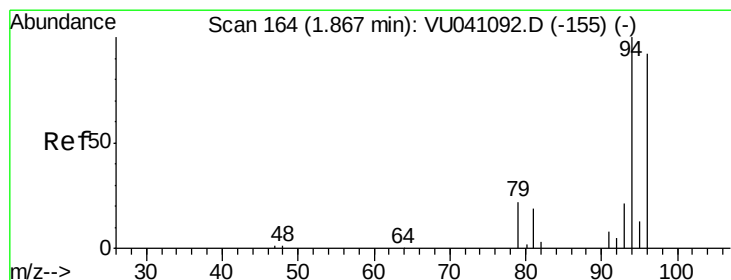
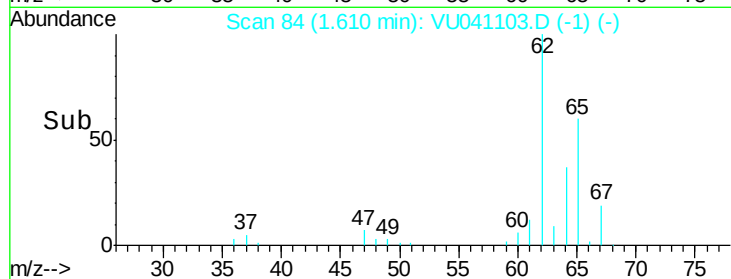
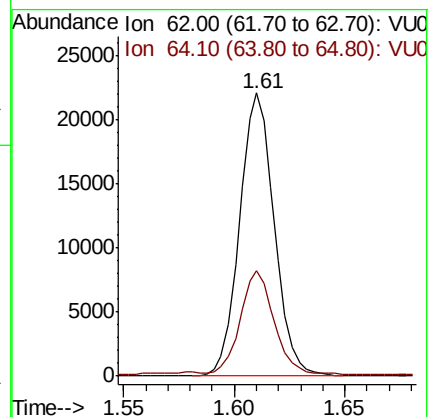
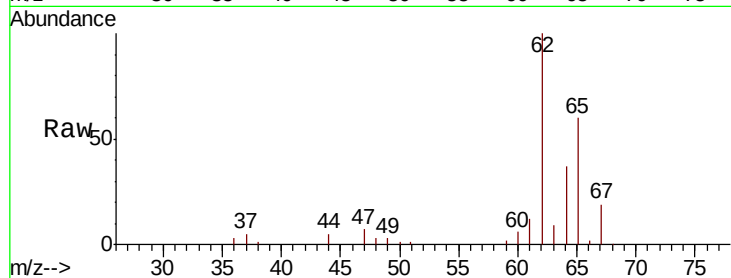
ClientSampled :

Tot Ion: 62 Resp: 24104

Ion Ratio Lower Upper

62 100

64 37.1 22.7 42.3



#6

Bromomethane

Concen: 4.361 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041103.D

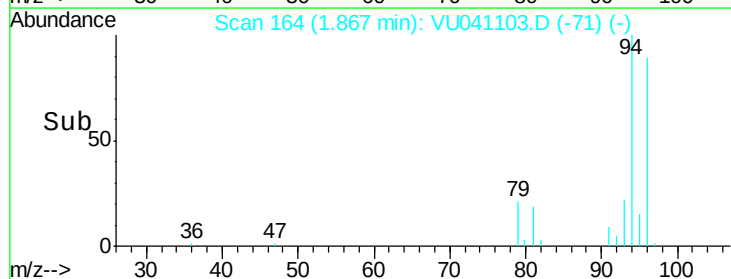
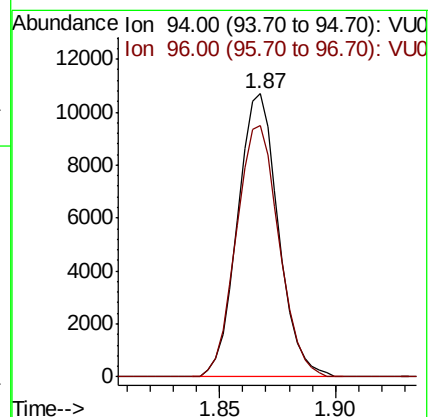
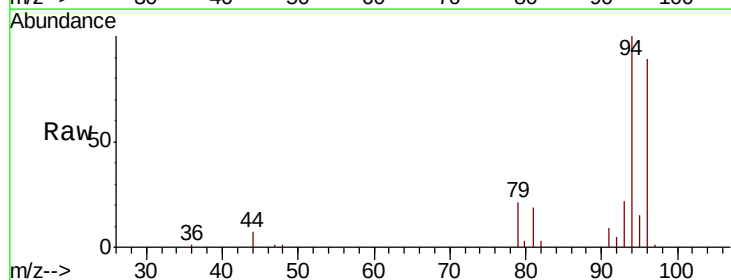
Acq: 04 Nov 2020 17:48

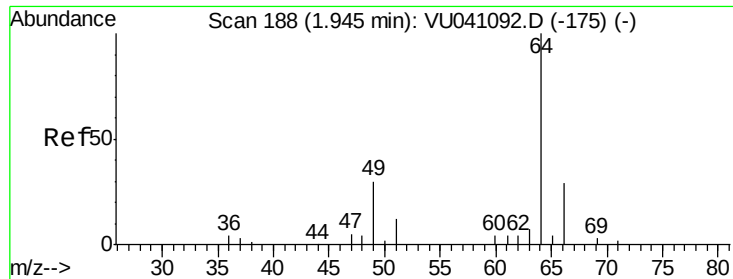
Tgt Ion: 94 Resp: 13037

Ion Ratio Lower Upper

94 100

96 89.0 63.5 117.9

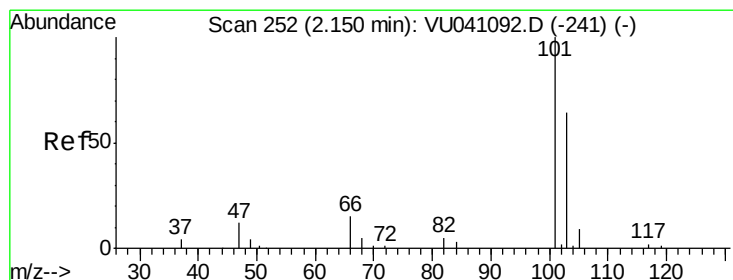
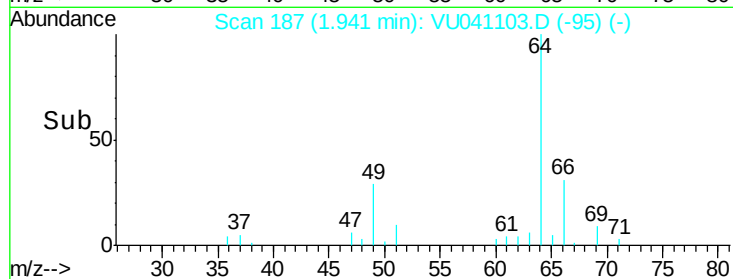
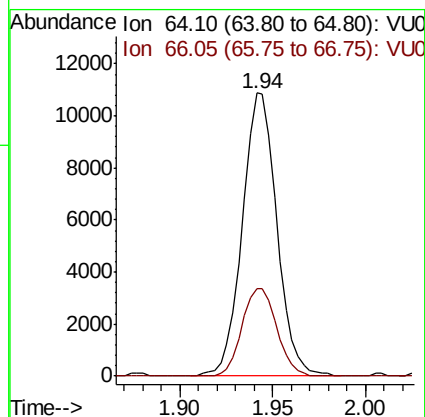
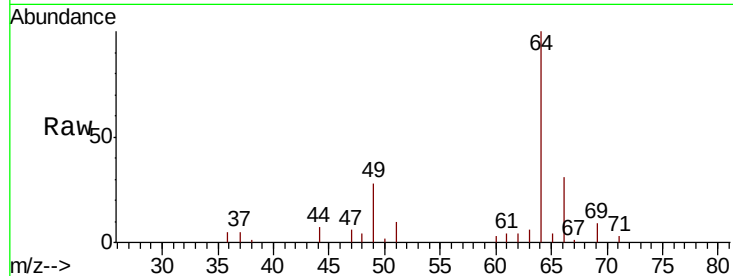




#8
Chloroethane
Concen: 4.266 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

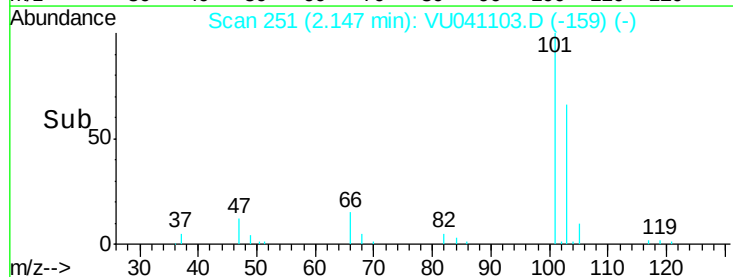
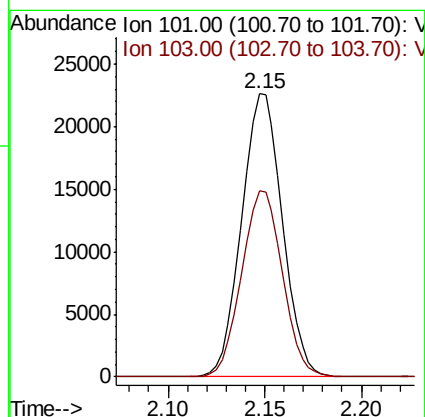
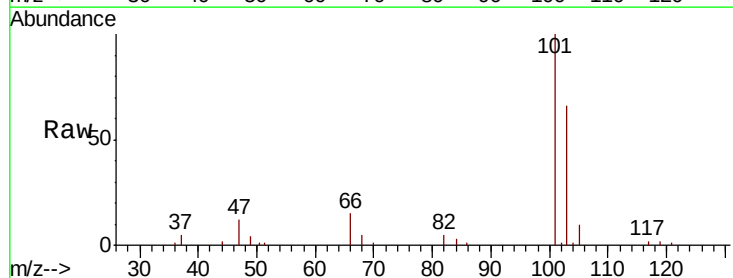
Instrument :
MSVOA_U
ClientSampleId :

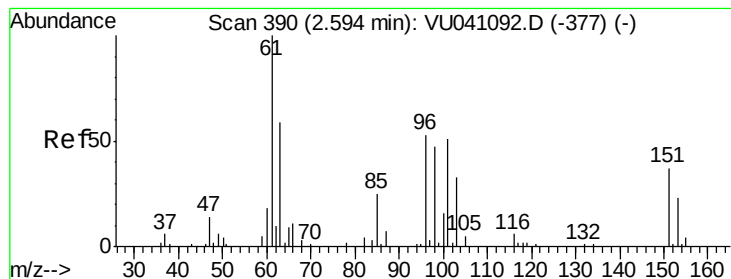
Tot Ion: 64 Resp: 14094
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.696 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 101 Resp: 33286
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.4





#10

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

Concen: 4.637 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

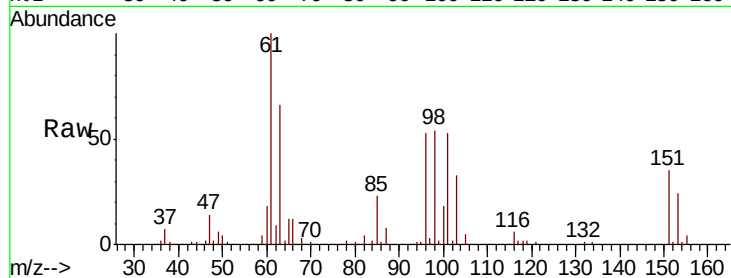
Tot Ion:101 Resp: 19263

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

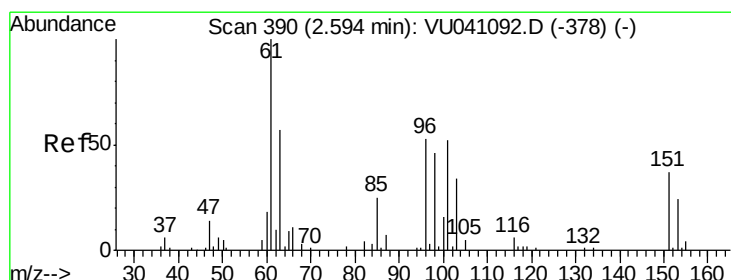
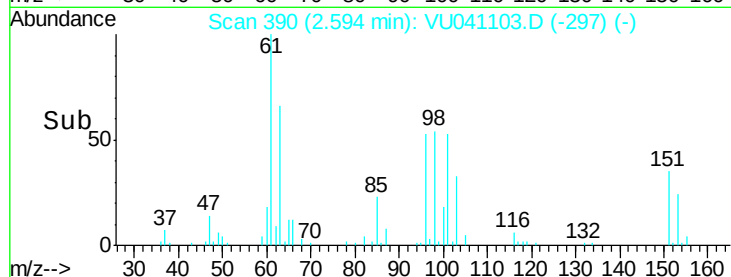
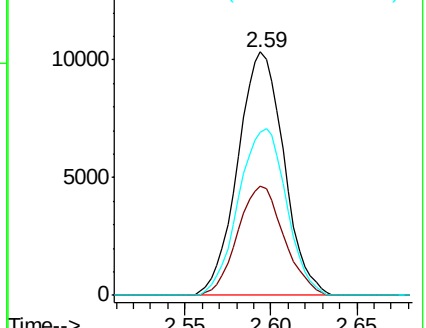
151 71.1 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): VU041103.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU041103.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU041103.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.389 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

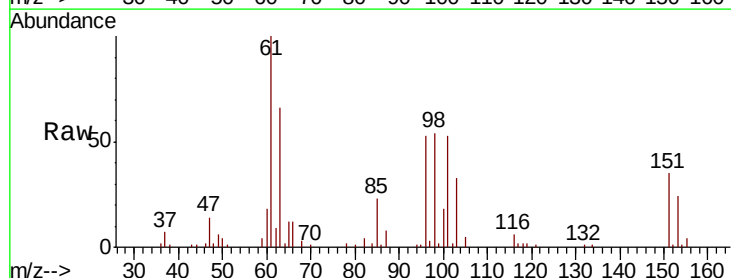
Tgt Ion: 96 Resp: 17216

Ion Ratio Lower Upper

96 100

61 187.1 134.3 249.5

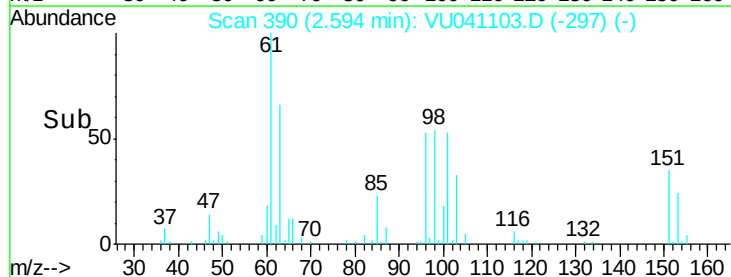
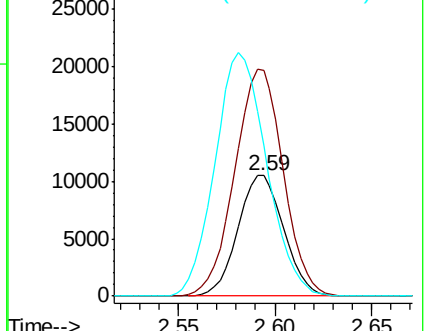
63 123.9 95.0 176.4

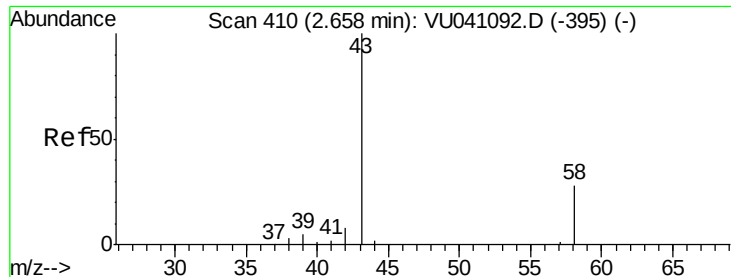


Abundance Ion 96.00 (95.70 to 96.70): VU041103.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU041103.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU041103.D (-297) (-)





#13

Acetone

Concen: 48.681 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

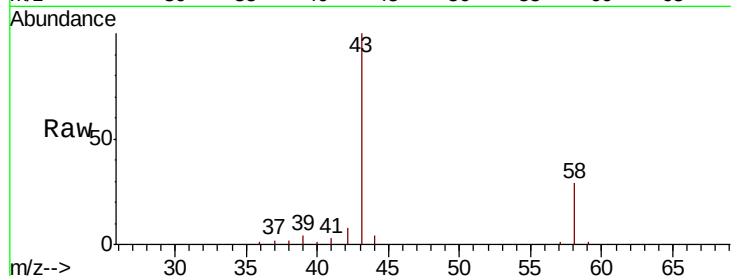
ClientSampled :

Tot Ion: 43 Resp: 51127

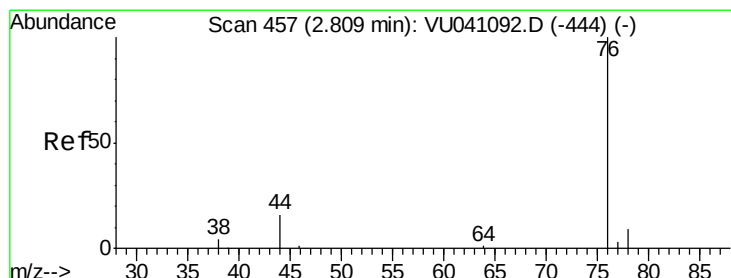
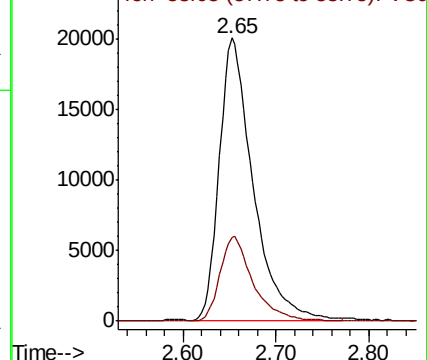
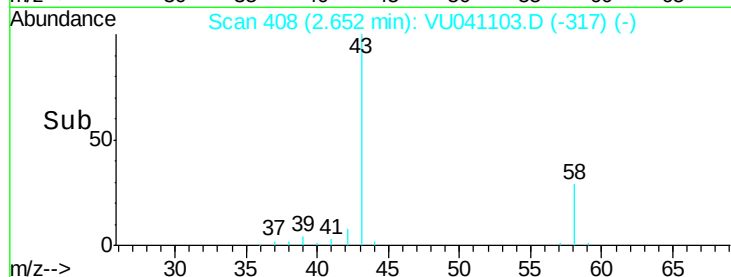
Ion Ratio Lower Upper

43 100

58 28.9 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041103.D (-317) (-)



#14

Carbon disulfide

Concen: 4.125 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041103.D

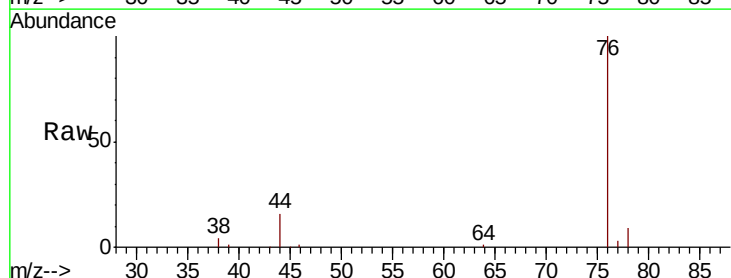
Acq: 04 Nov 2020 17:48

Tgt Ion: 76 Resp: 54066

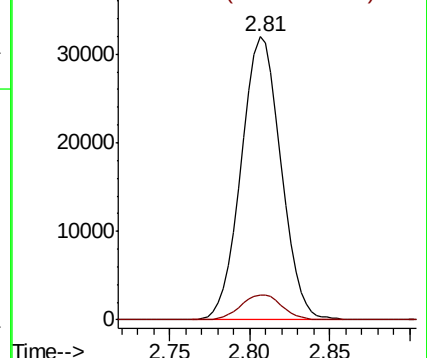
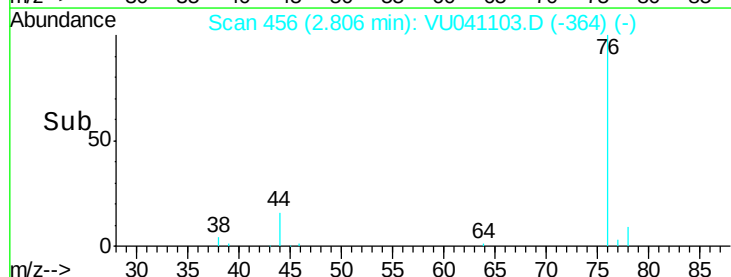
Ion Ratio Lower Upper

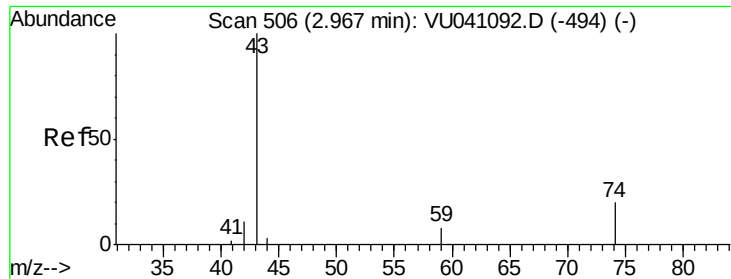
76 100

78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041103.D (-364) (-)

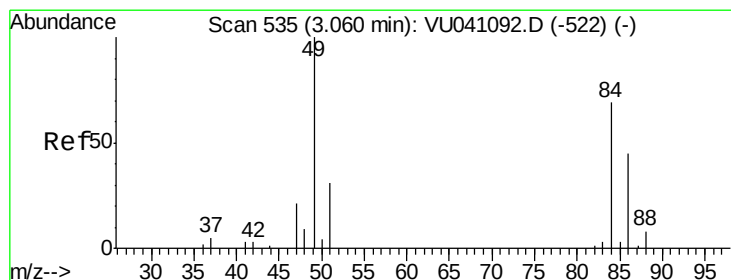
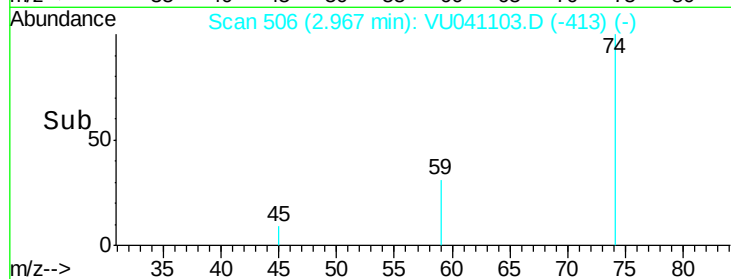
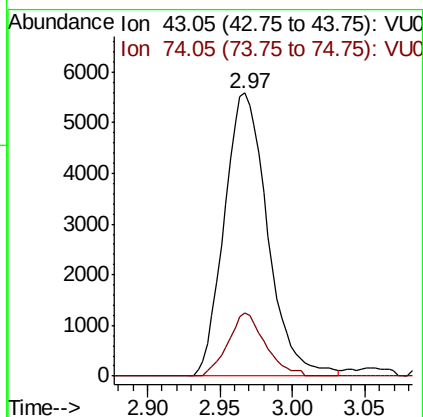
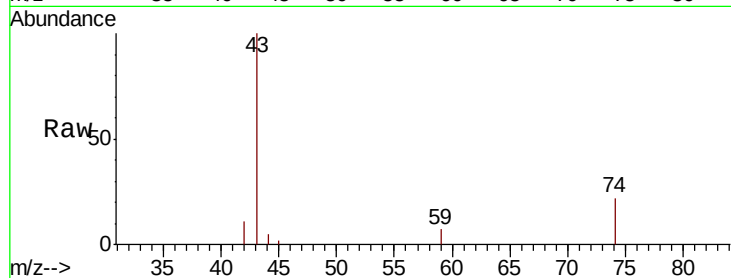




#15
Methvl Acetate
Concen: 4.815 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

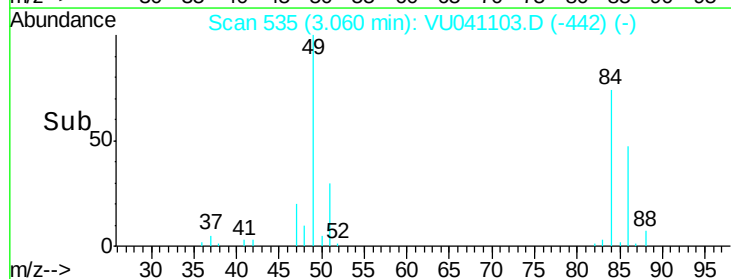
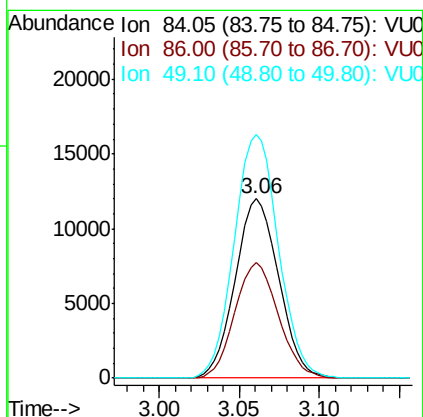
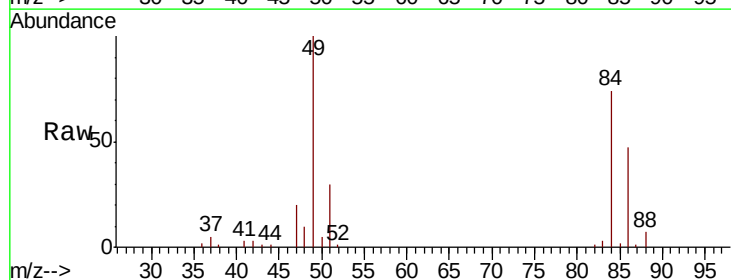
Instrument :
MSVOA_U
ClientSampleId :

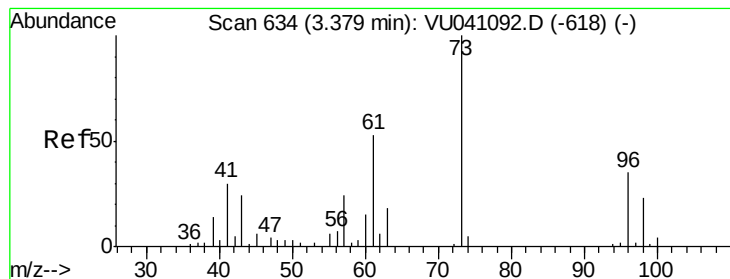
Tot Ion: 43 Resp: 11572
Ion Ratio Lower Upper
43 100
74 19.2 18.3 27.5



#16
Methylene chloride
Concen: 4.877 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 84 Resp: 22289
Ion Ratio Lower Upper
84 100
86 64.3 42.8 79.6
49 135.9 99.5 184.7

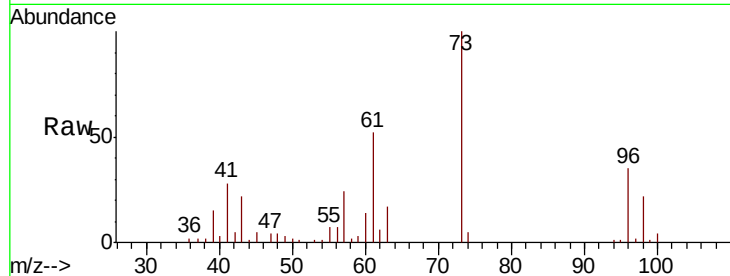




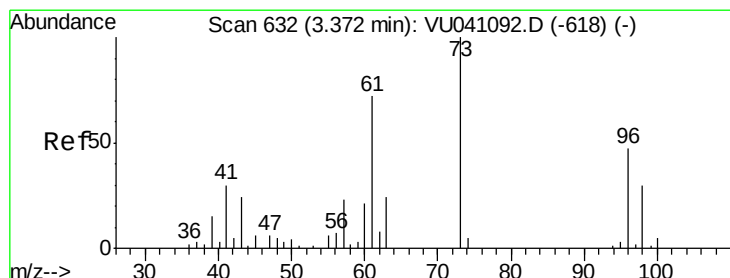
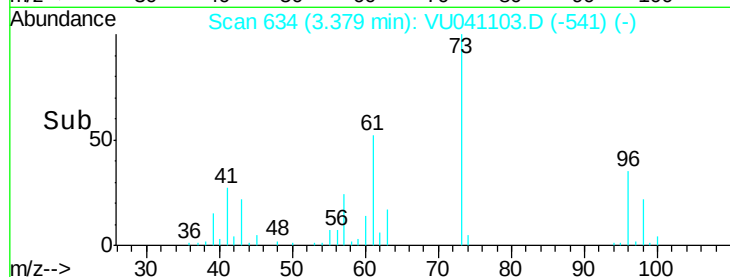
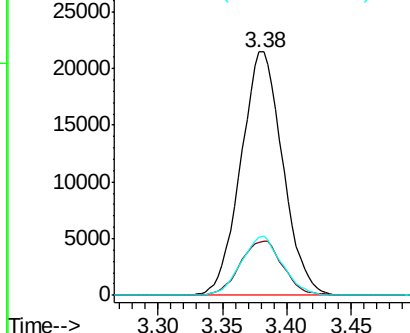
#17
Methyl tert-butyl Ether
Concen: 4.820 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 48657
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7
57 23.4 18.4 27.6

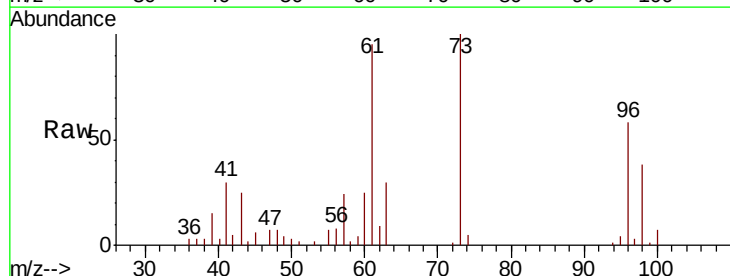


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

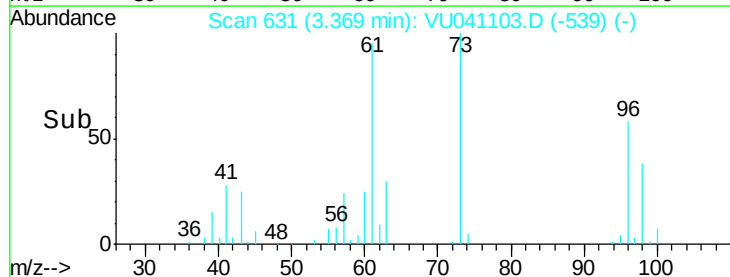
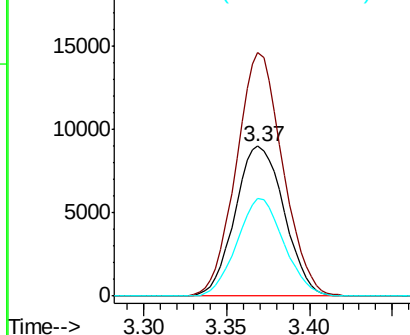


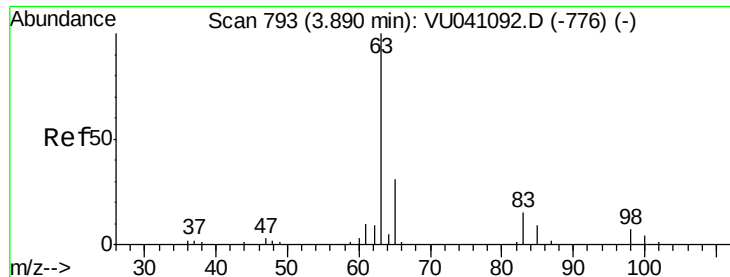
#18
trans-1,2-Dichloroethene
Concen: 4.631 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 96 Resp: 18459
Ion Ratio Lower Upper
96 100
61 162.8 110.9 205.9
98 65.5 45.4 84.2



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

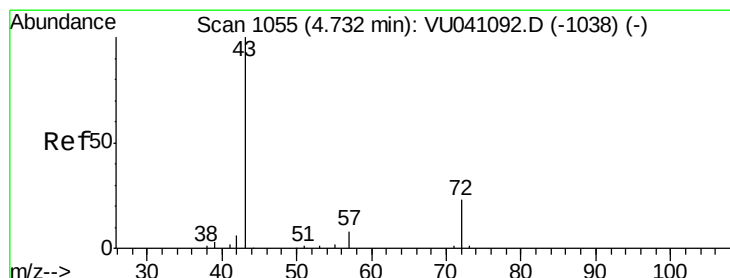
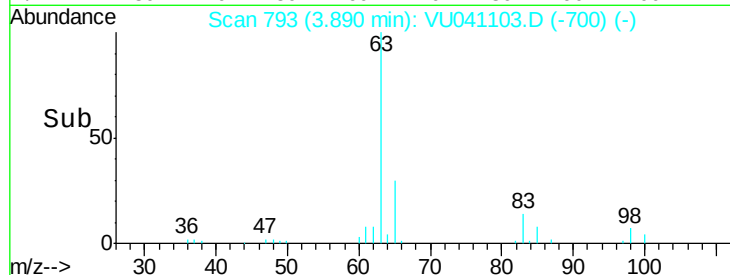
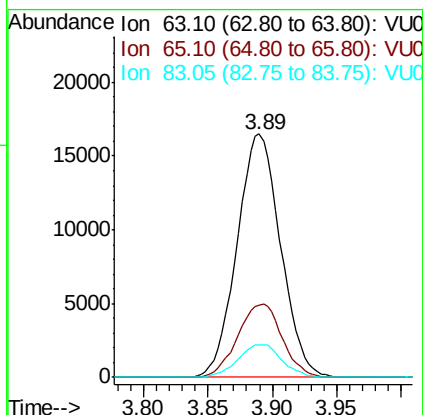
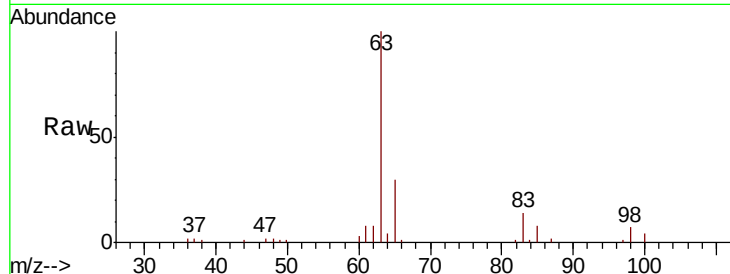




#19
 1,1-Dichloroethane
 Concen: 4.858 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

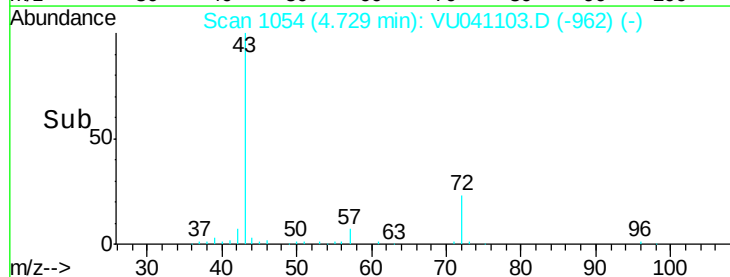
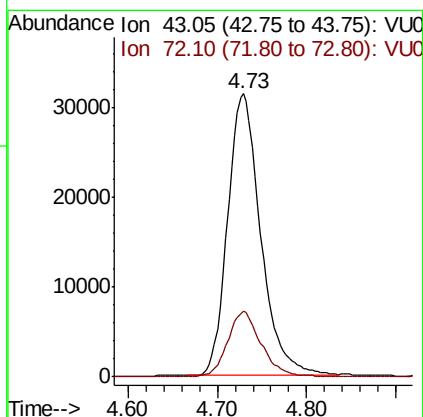
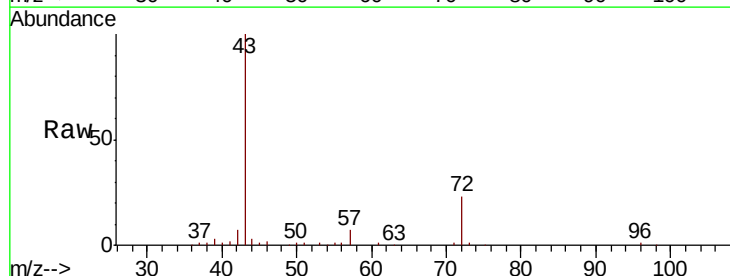
Instrument :
 MSVOA_U
 ClientSampleId :

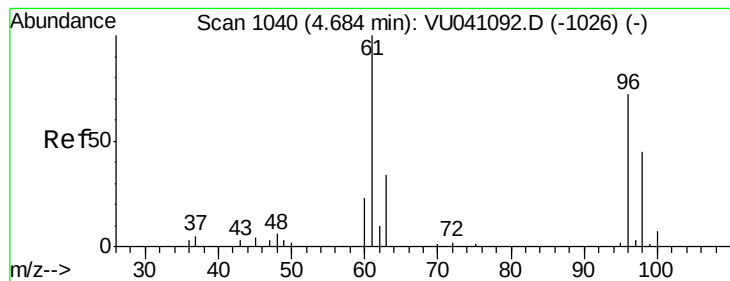
Tot Ion: 63 Resp: 38715
 Ion Ratio Lower Upper
 63 100
 65 29.8 21.3 39.6
 83 13.5 8.8 16.3



#21
 2-Butanone
 Concen: 49.183 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion: 43 Resp: 80731
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.951 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :
MSVOA_U
ClientSampleId :

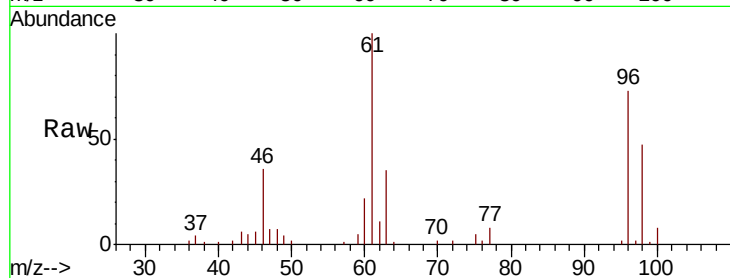
Tot Ion: 96 Resp: 20358

Ion Ratio Lower Upper

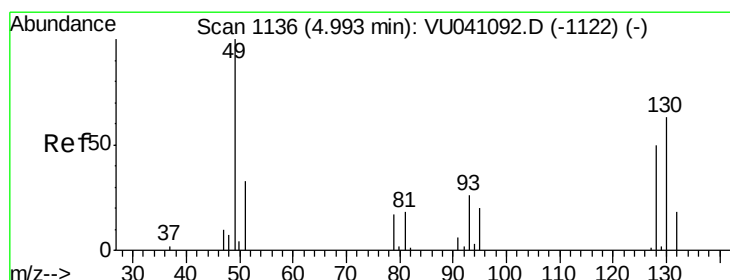
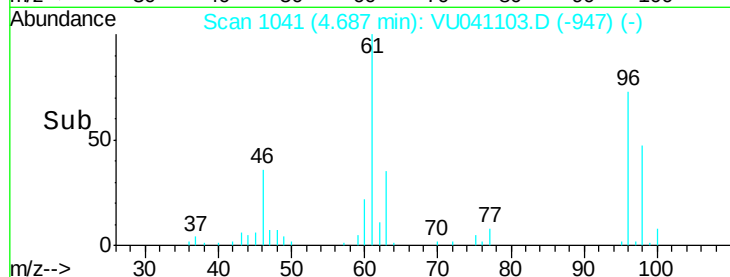
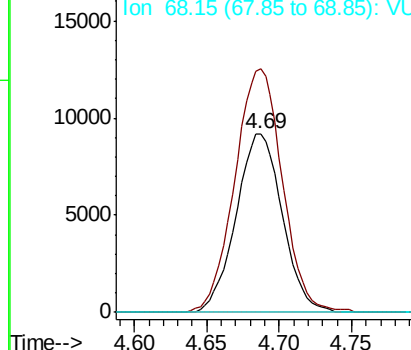
96 100

61 136.1 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.084 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Tgt Ion: 128 Resp: 9862

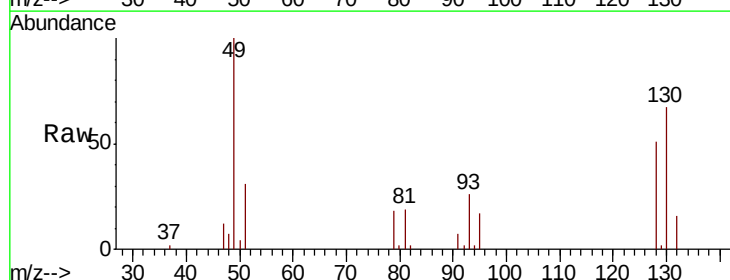
Ion Ratio Lower Upper

128 100

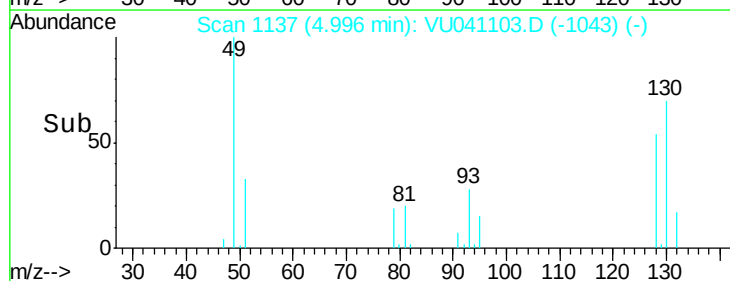
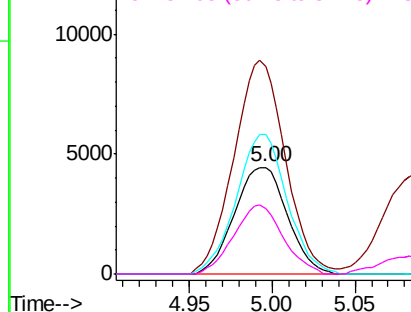
49 194.6 135.0 250.8

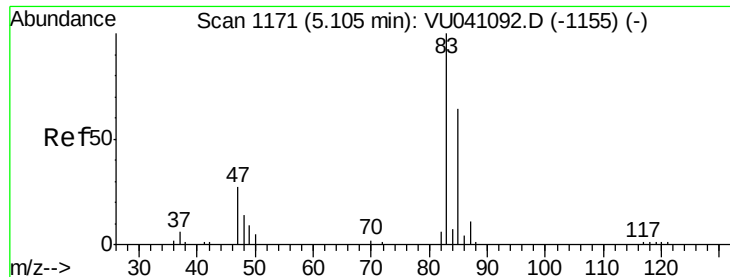
130 130.4 89.9 167.0

51 61.3 51.9 77.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

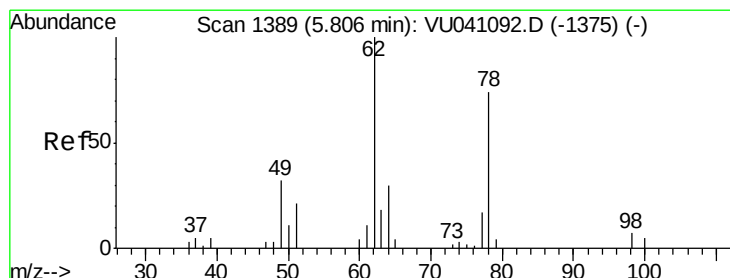
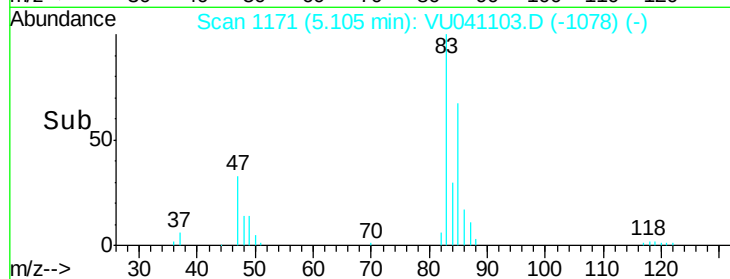
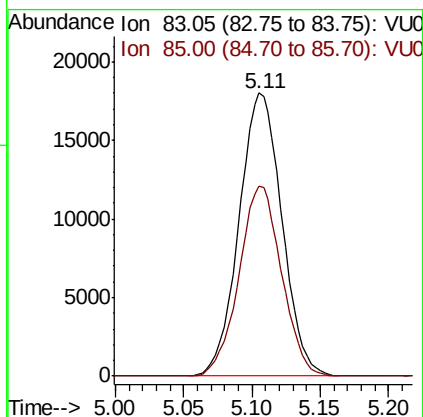
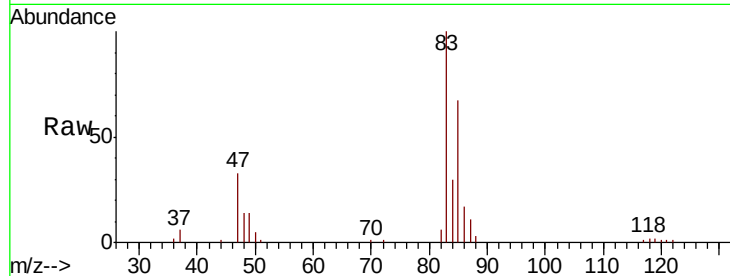




#25
Chloroform
Concen: 4.920 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

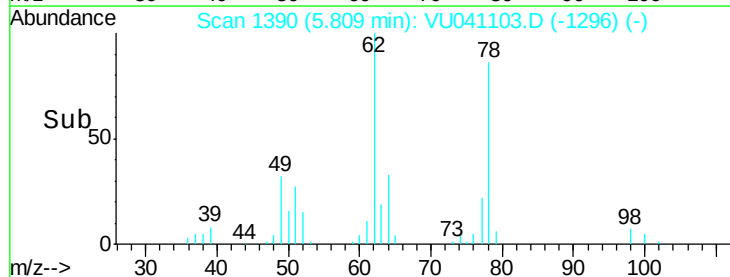
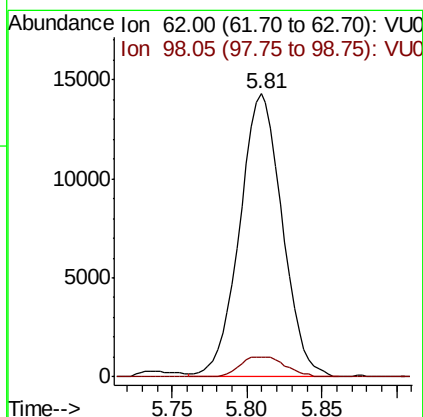
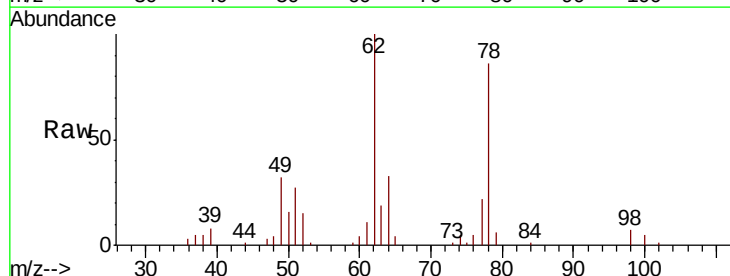
Instrument :
MSVOA_U
ClientSampleId :

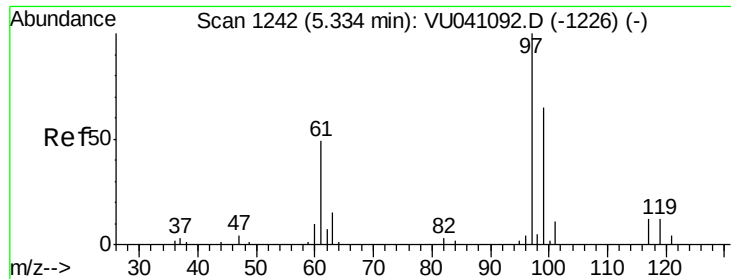
Tot Ion: 83 Resp: 39316
Ion Ratio Lower Upper
83 100
85 67.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.773 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 62 Resp: 28406
Ion Ratio Lower Upper
62 100
98 7.1 7.6 11.4#

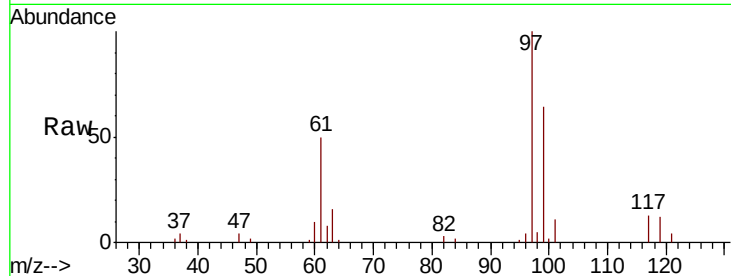




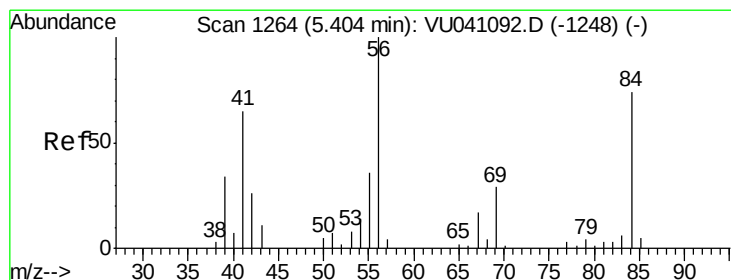
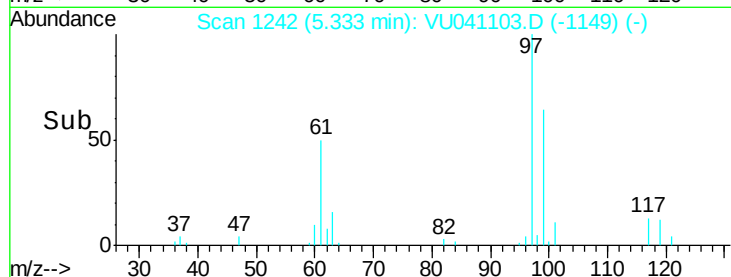
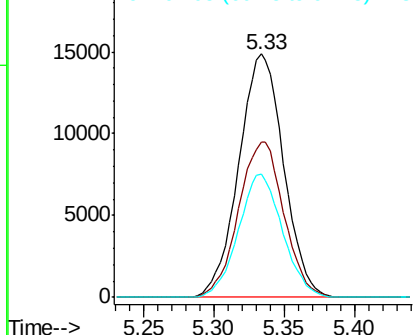
#29
 1,1,1-Trichloroethane
 Concen: 4.976 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 33108
 Ion Ratio Lower Upper
 97 100
 99 64.4 53.4 80.0
 61 49.6 41.6 62.4

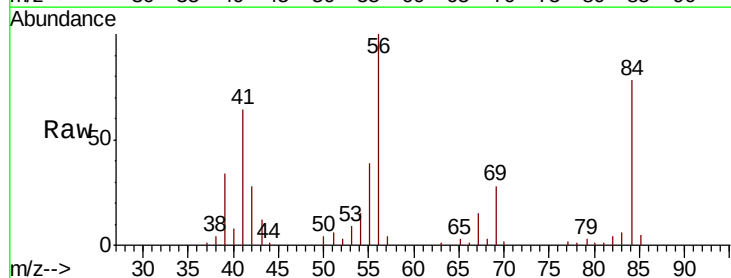


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

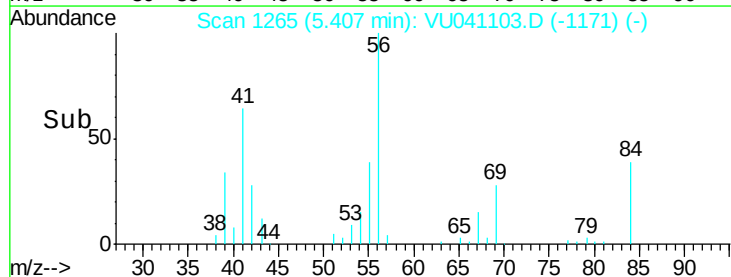
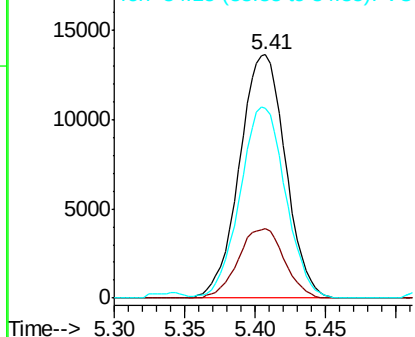


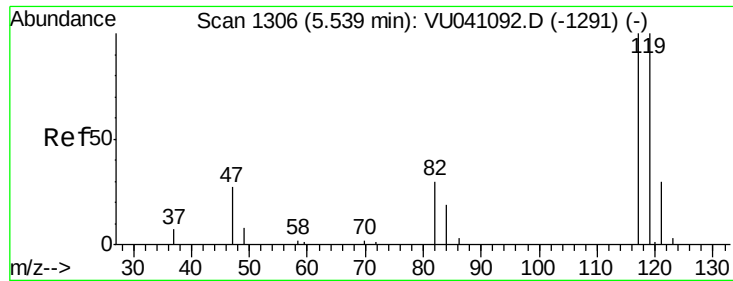
#30
 Cyclohexane
 Concen: 4.744 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion: 56 Resp: 31097
 Ion Ratio Lower Upper
 56 100
 69 28.5 22.8 34.2
 84 77.8 63.6 95.4



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

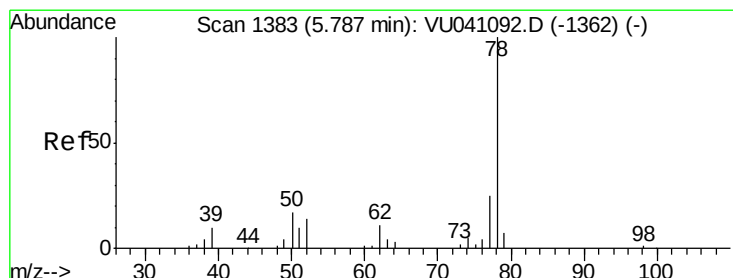
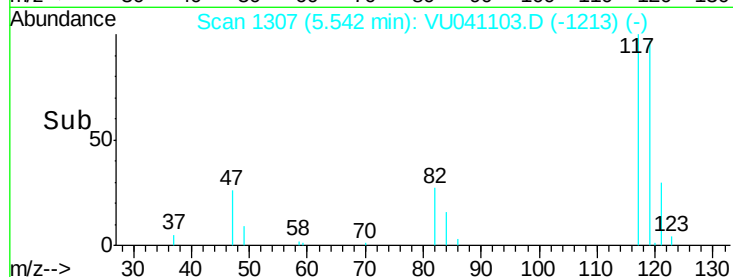
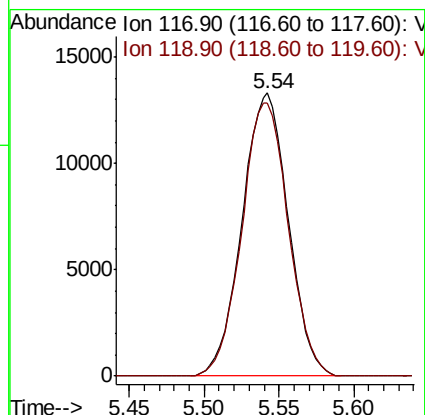
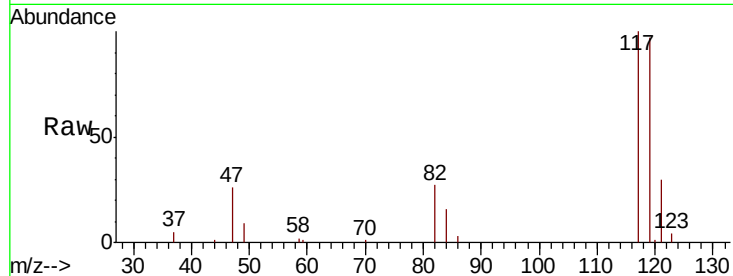




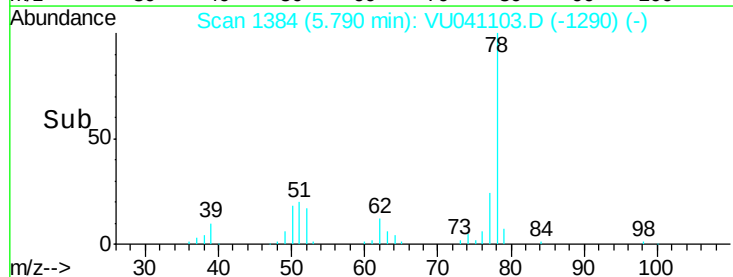
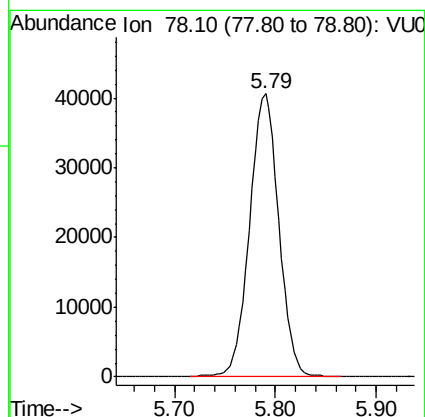
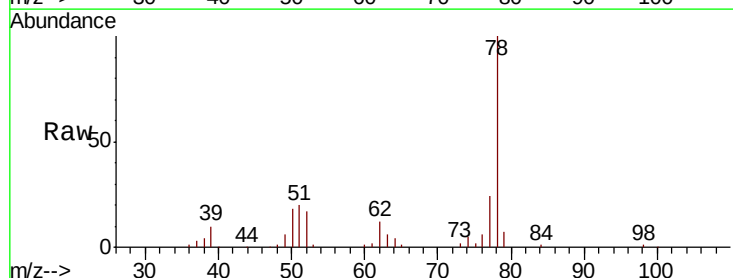
#31
Carbon tetrachloride
Concen: 4.849 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

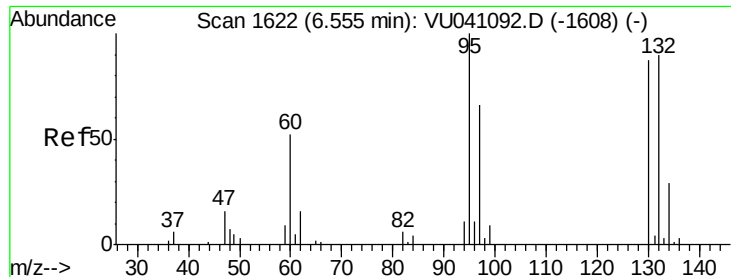
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 28568
Ion Ratio Lower Upper
117 100
119 97.2 76.1 114.1



#33
Benzene
Concen: 5.000 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48
Tgt Ion: 78 Resp: 81283

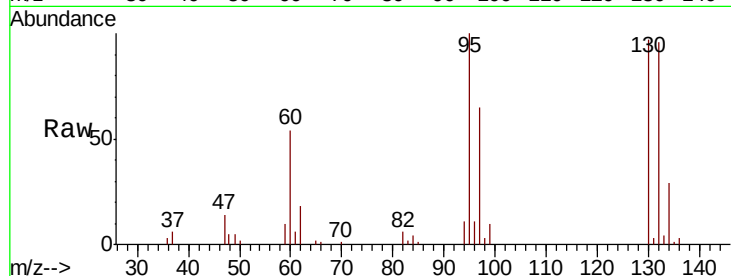




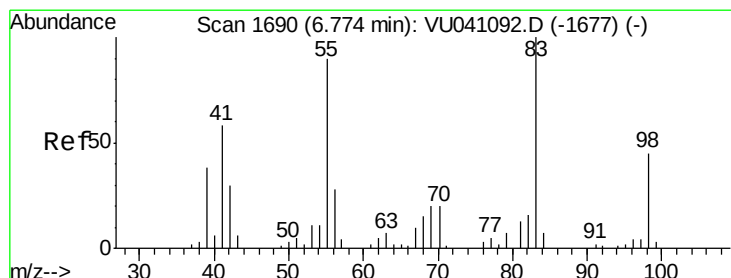
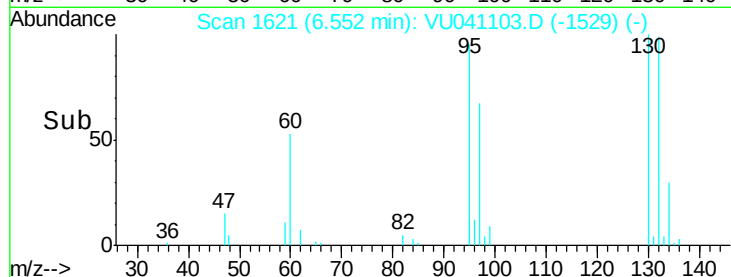
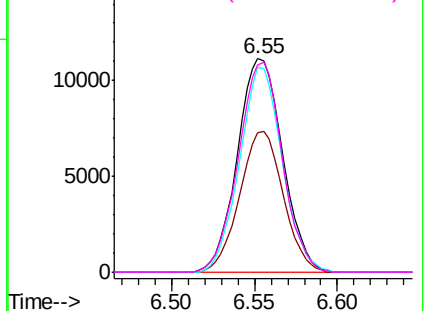
#34
 Trichloroethene
 Concen: 5.119 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	21177
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.6	84.6
132	96.0	64.8	120.4
130	97.3	64.8	120.4

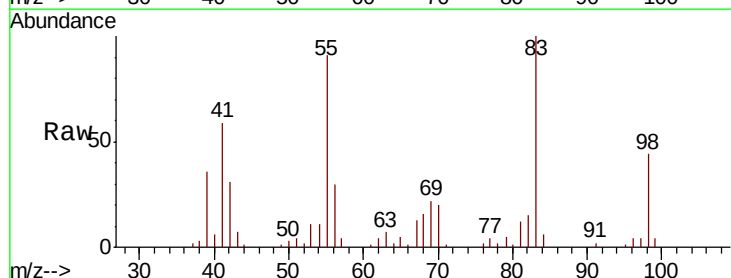


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

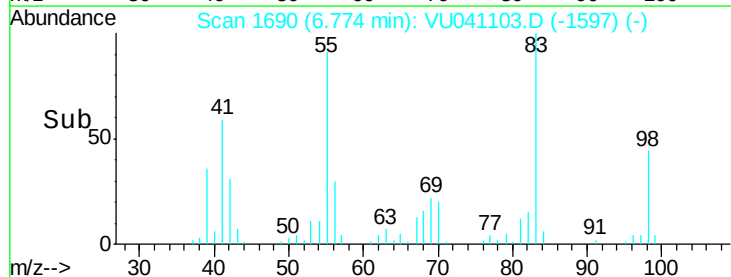
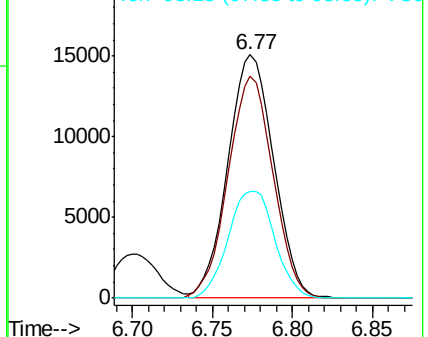


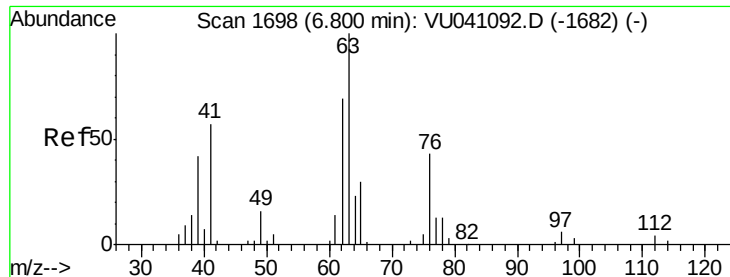
#35
 Methylcyclohexane
 Concen: 4.782 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion:	83	Resp:	29510
Ion	Ratio	Lower	Upper
83	100		
55	89.4	72.0	108.0
98	44.7	36.6	55.0



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

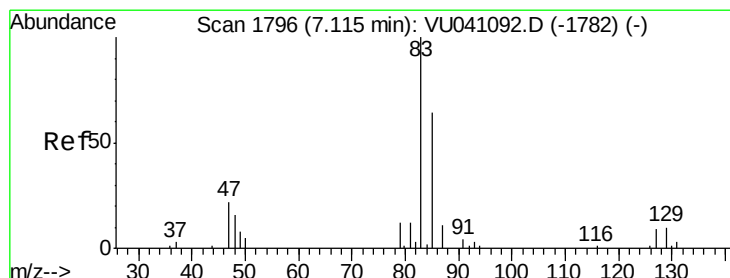
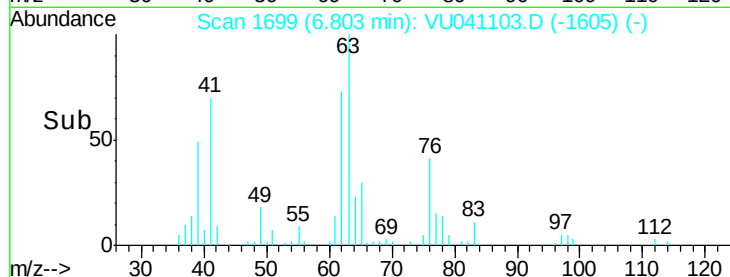
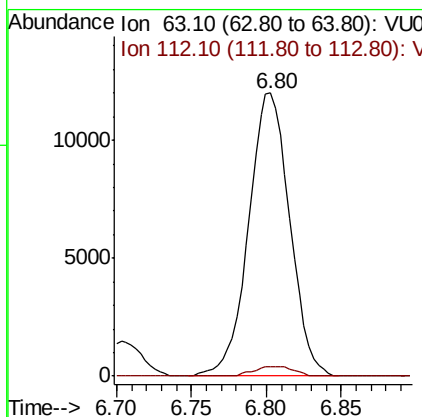
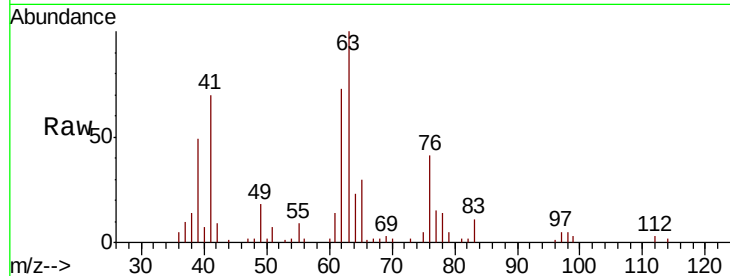




#37
 1,2-Dichloropropane
 Concen: 5.208 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

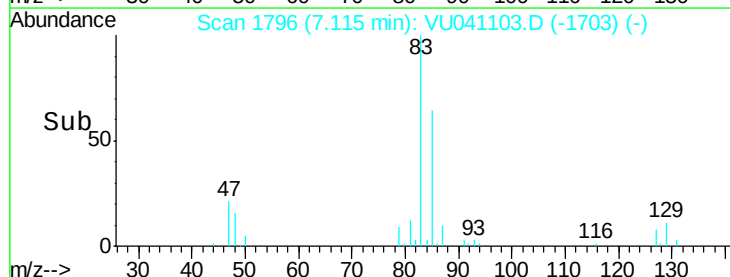
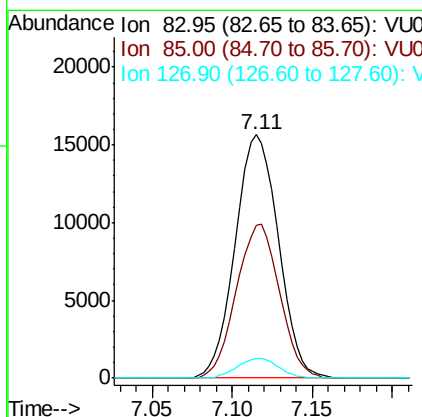
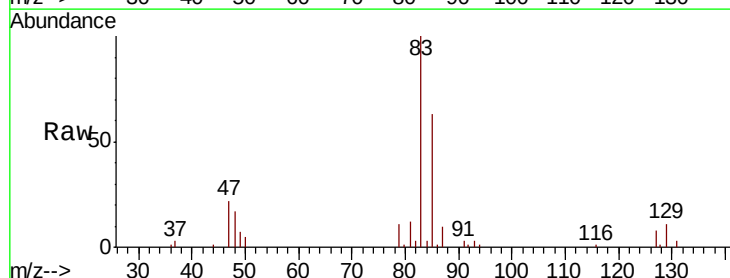
Instrument :
 MSVOA_U
 ClientSampled :

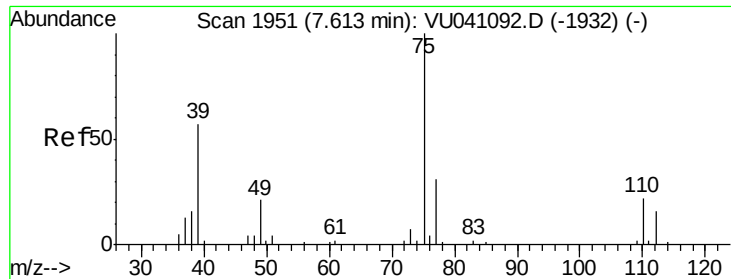
Tot Ion: 63 Resp: 22905
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.061 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion: 83 Resp: 28877
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.3 80.3
 127 8.0 5.9 8.9

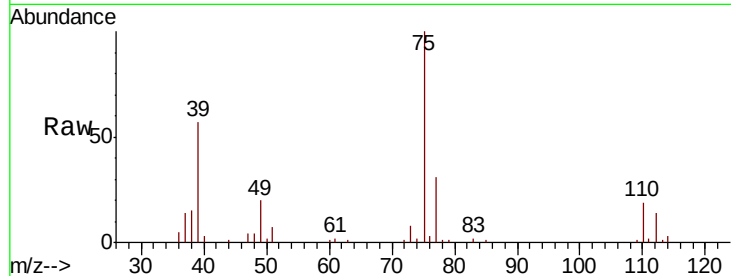




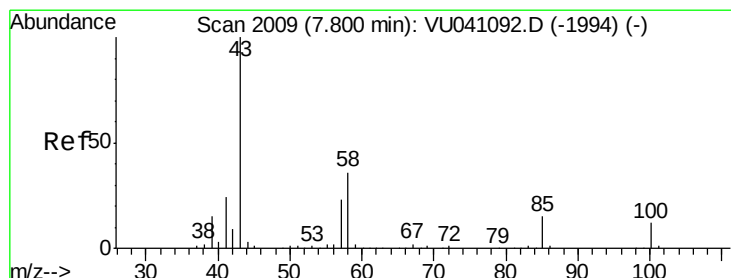
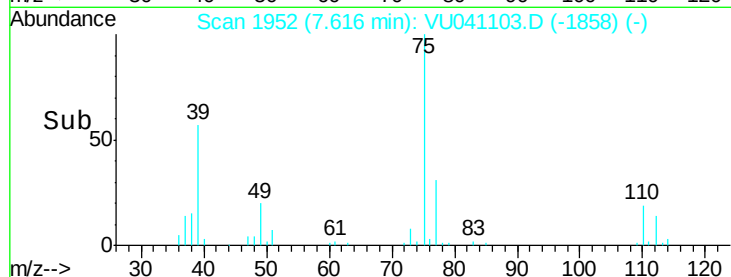
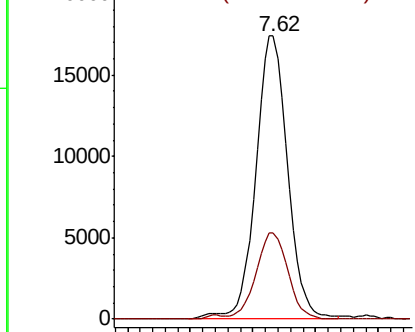
#39
 cis-1,3-Dichloropropene
 Concen: 5.082 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 30778
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.7 42.3

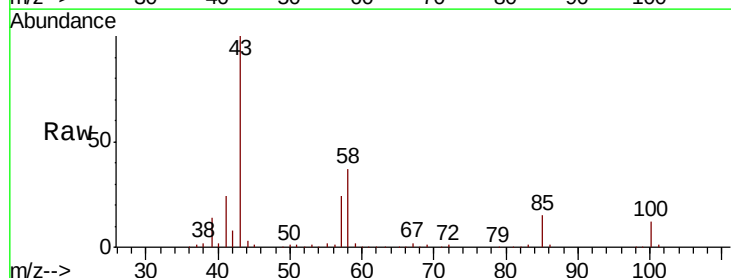


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

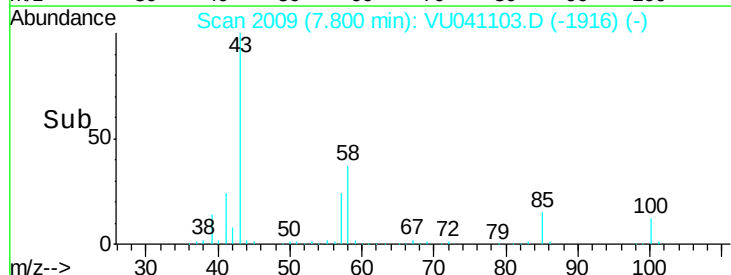
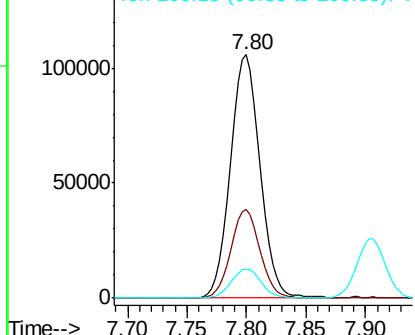


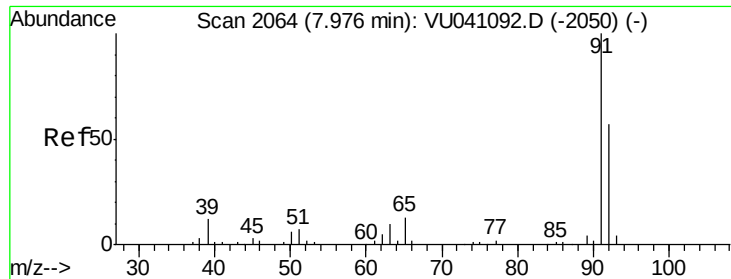
#40
 4-Methyl-2-pentanone
 Concen: 52.337 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion: 43 Resp: 183541
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.8 44.6
 100 12.2 10.5 15.7



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: 5.150 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

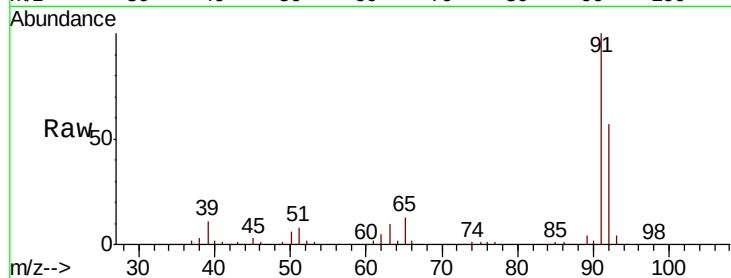
ClientSampled :

Tot Ion: 91 Resp: 84894

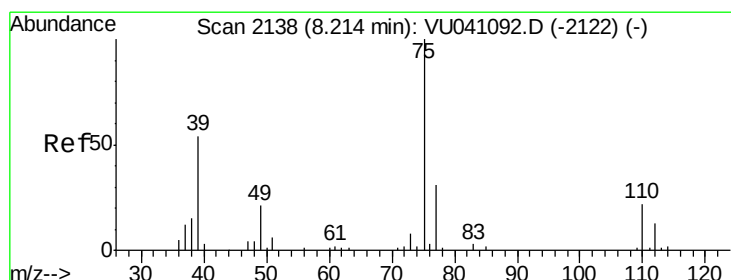
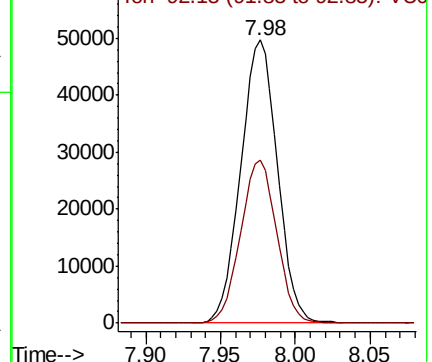
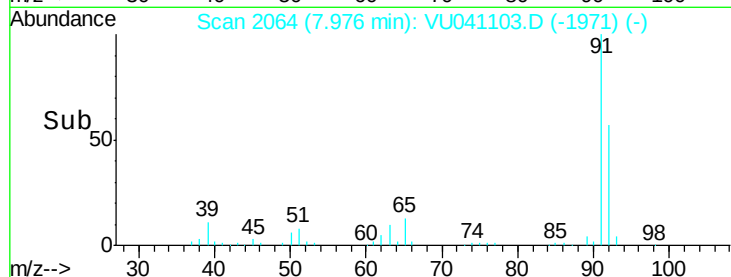
Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041103.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.147 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041103.D

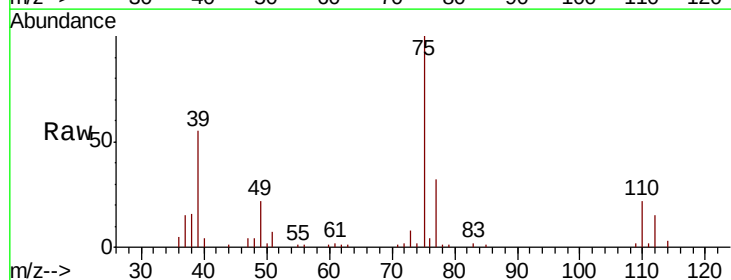
Acq: 04 Nov 2020 17:48

Tgt Ion: 75 Resp: 29169

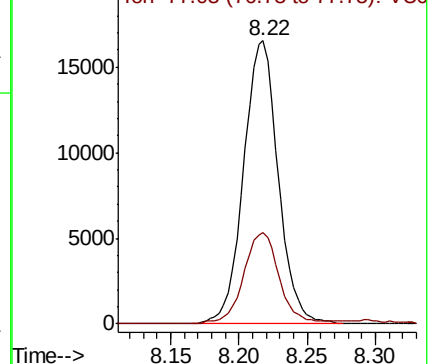
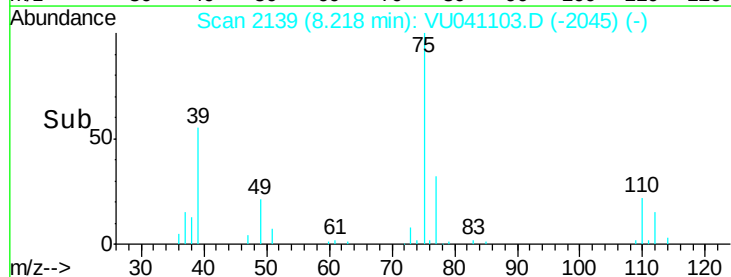
Ion Ratio Lower Upper

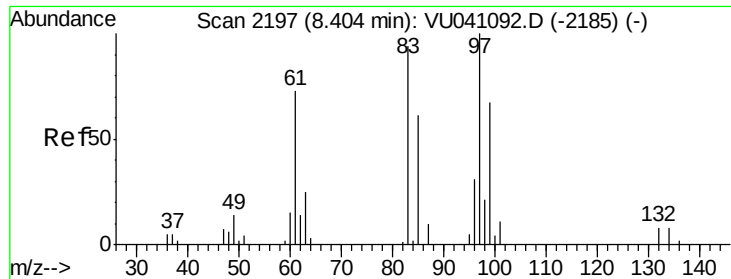
75 100

77 32.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041103.D (-2045) (-)

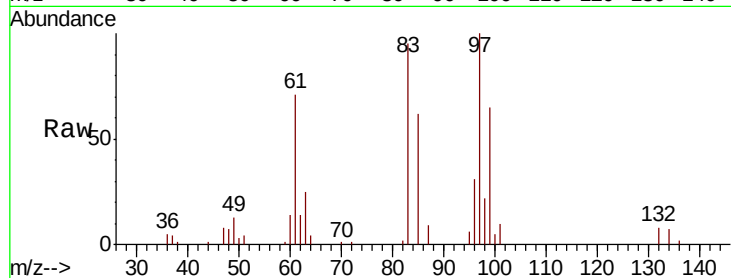




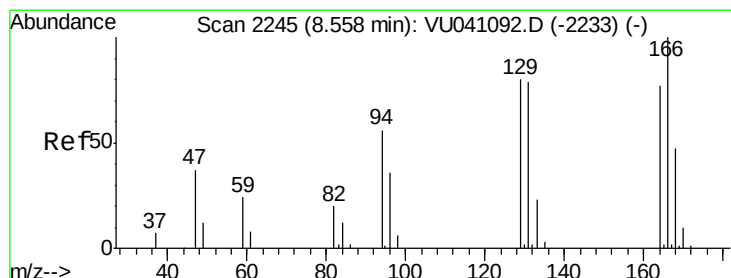
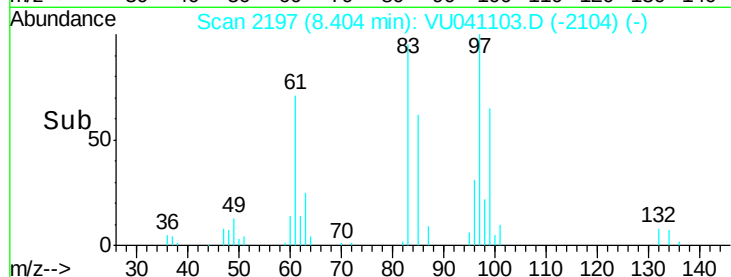
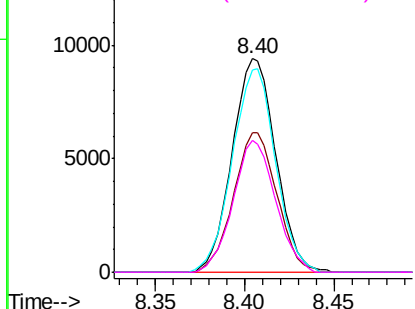
#45
1,1,2-Trichloroethane
Concen: 4.909 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 16072
Ion Ratio Lower Upper
97 100
99 65.3 45.8 85.2
83 94.9 67.9 126.1
85 61.8 42.8 79.6

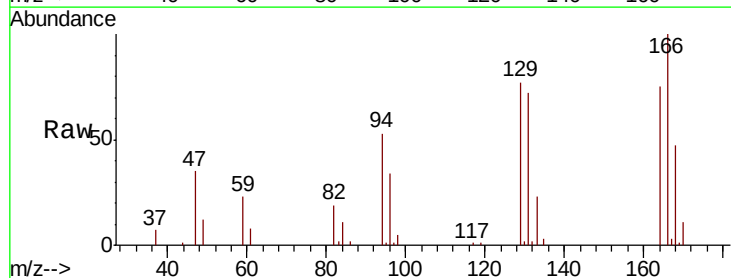


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

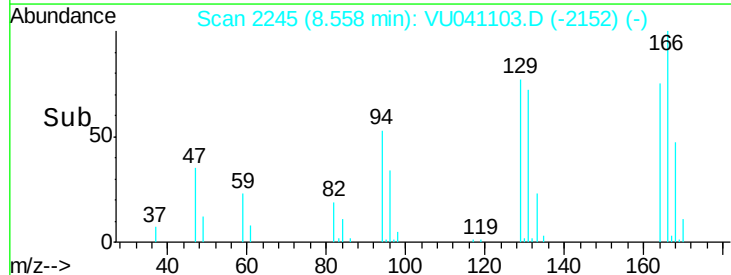
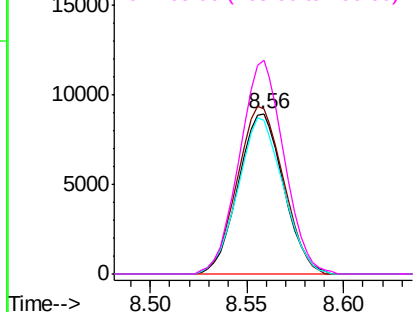


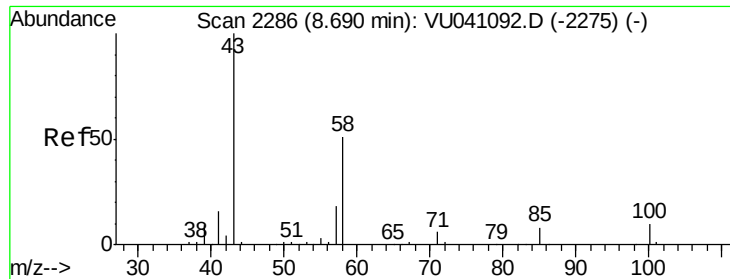
#47
Tetrachloroethene
Concen: 4.808 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 164 Resp: 14624
Ion Ratio Lower Upper
164 100
129 103.0 70.3 130.7
131 95.8 70.8 131.4
166 133.2 92.0 170.8



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

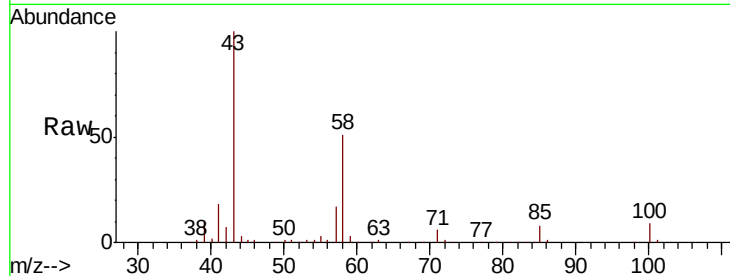




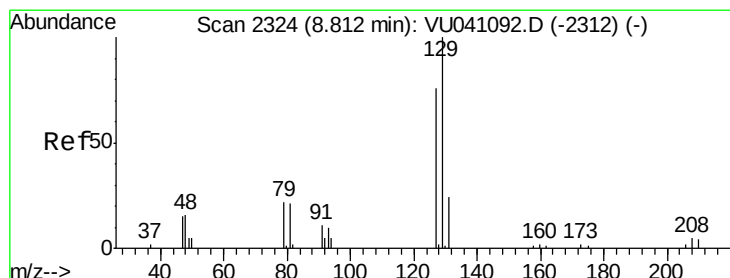
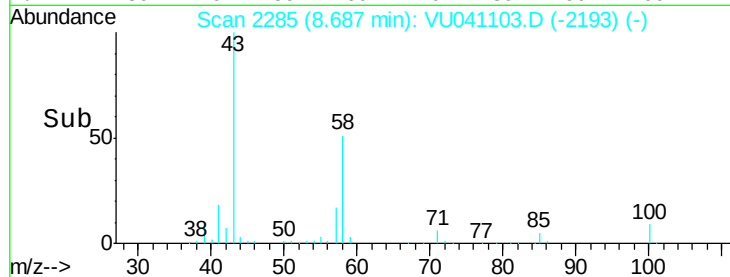
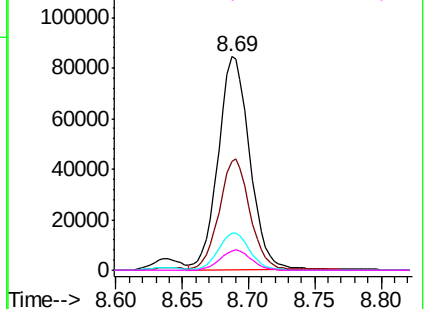
#48
2-Hexanone
Concen: 52.645 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 139014
Ion Ratio Lower Upper
43 100
58 51.2 41.4 62.2
57 17.8 14.6 21.8
100 9.5 8.3 12.5

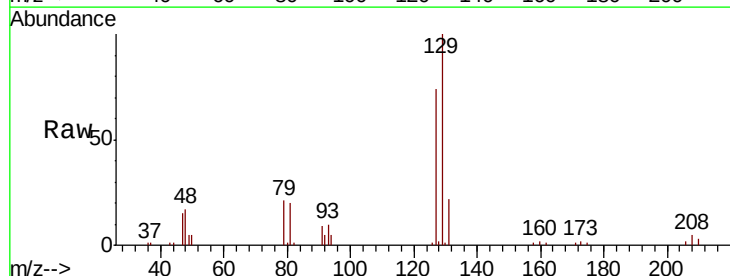


Abundance Ion 43.05 (42.75 to 43.75): VU041103.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041103.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041103.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041103.D (-2193) (-)

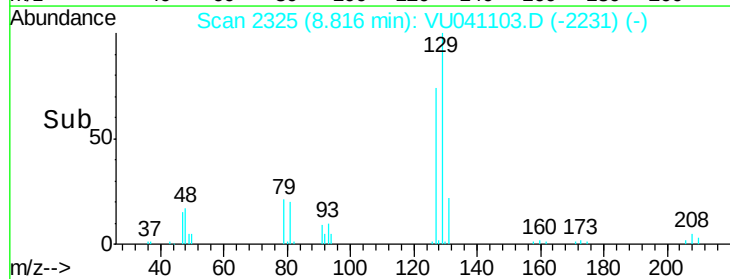
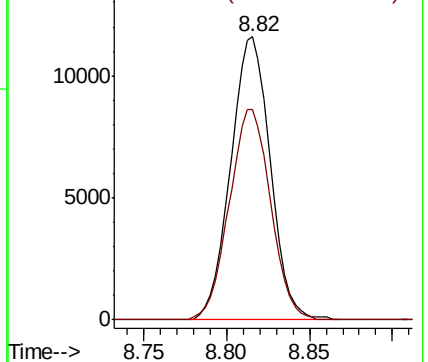


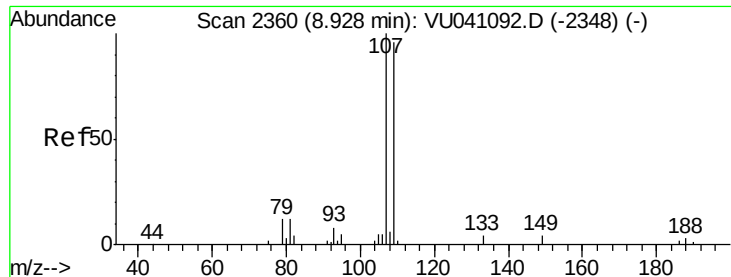
#49
Dibromochloromethane
Concen: 5.061 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion: 129 Resp: 19245
Ion Ratio Lower Upper
129 100
127 74.2 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041103.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041103.D (-2231) (-)

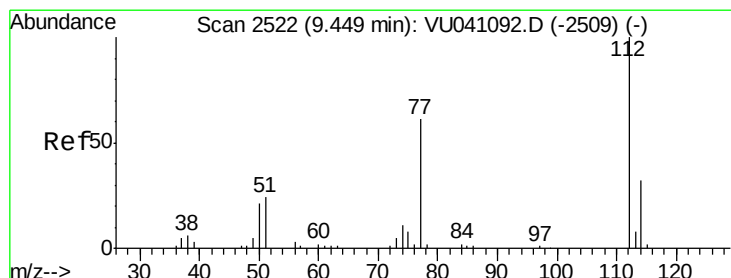
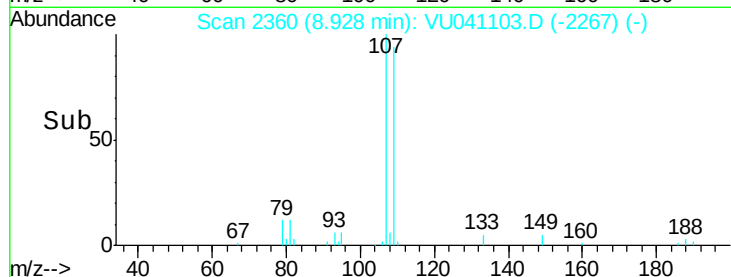
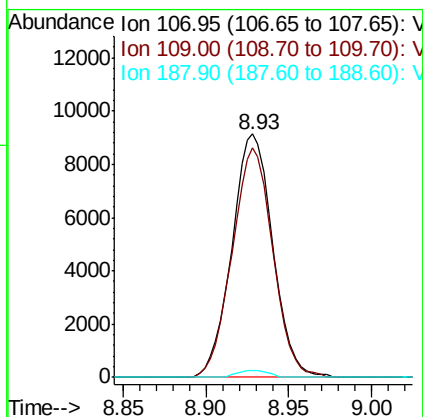
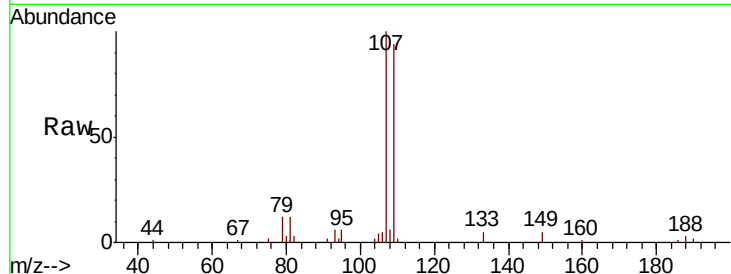




#50
1,2-Dibromoethane
Concen: 5.006 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

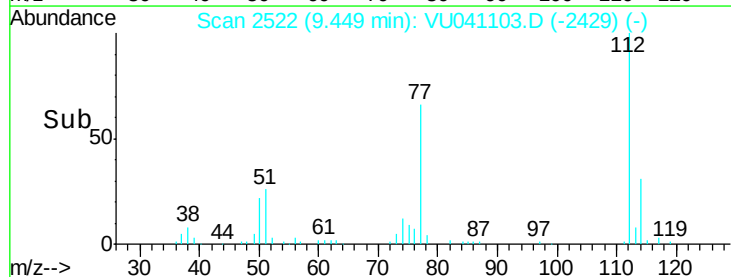
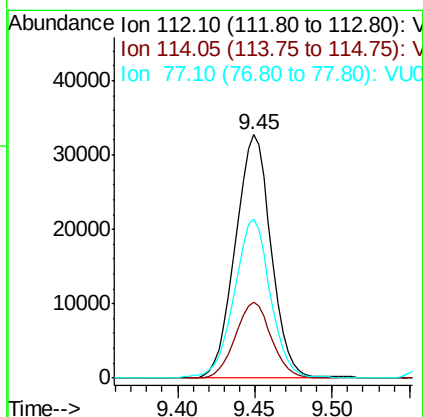
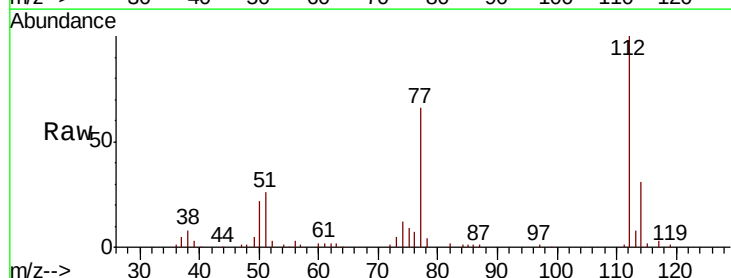
Instrument :
MSVOA_U
ClientSampleId :

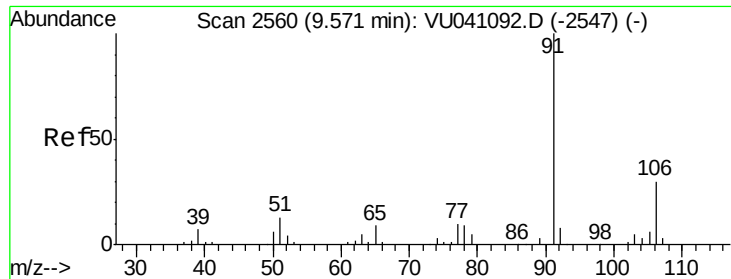
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.6	121.8
188	3.1	2.9	4.3



#51
Chlorobenzene
Concen: 5.030 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.4	41.6
77	65.6	51.2	76.8





#52

Ethylbenzene

Concen: 5.011 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

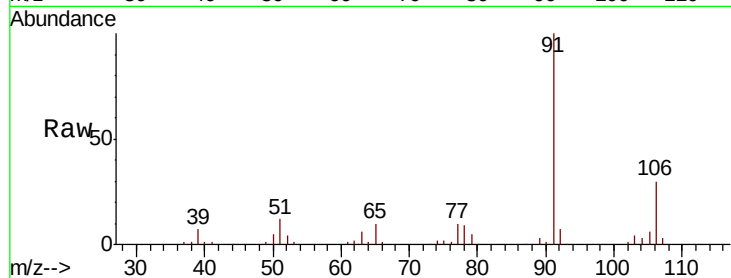
ClientSampled :

Tot Ion: 91 Resp: 86938

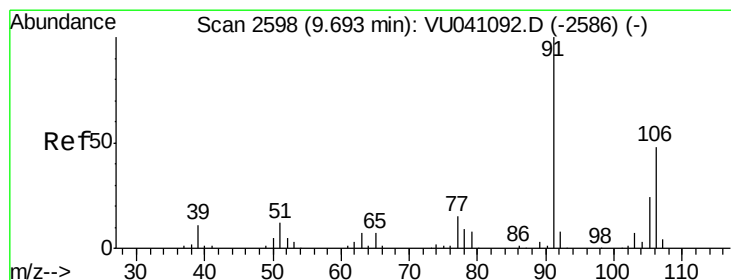
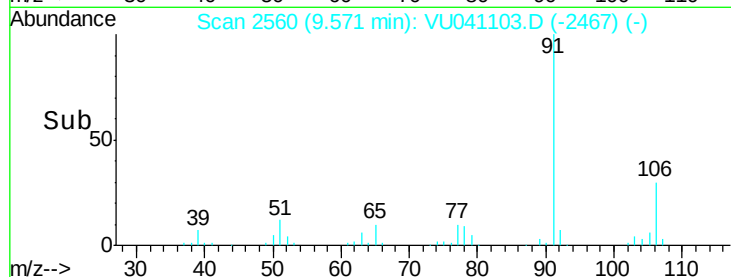
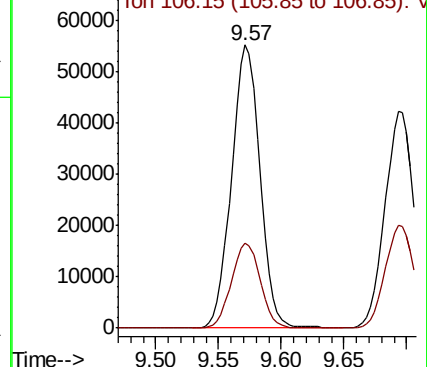
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041103.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.207 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041103.D

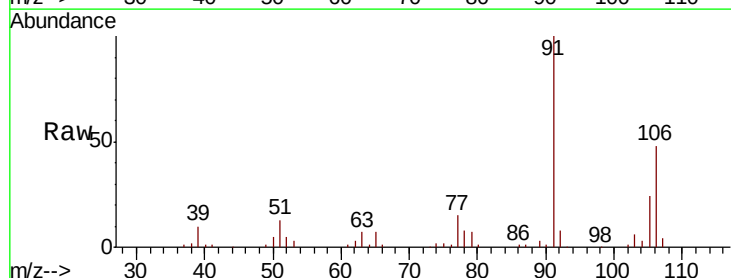
Acq: 04 Nov 2020 17:48

Tgt Ion: 106 Resp: 32945

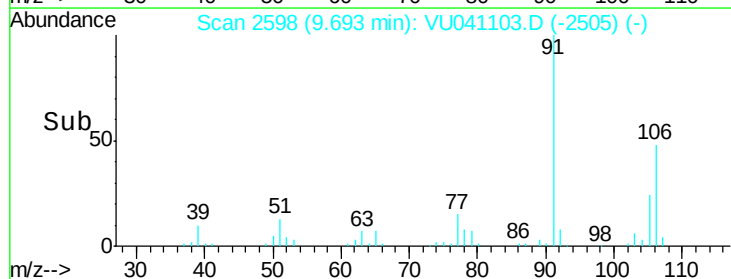
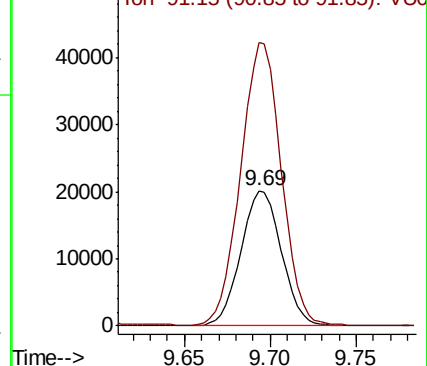
Ion Ratio Lower Upper

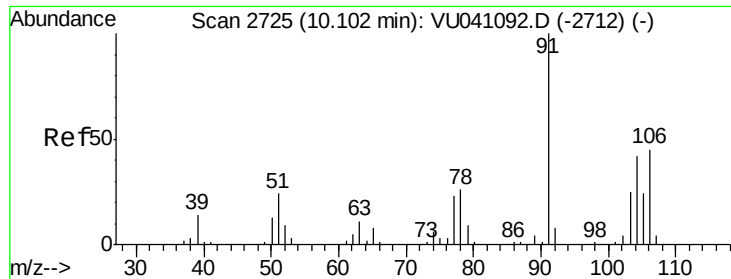
106 100

91 209.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041103.D (-2598) (-)

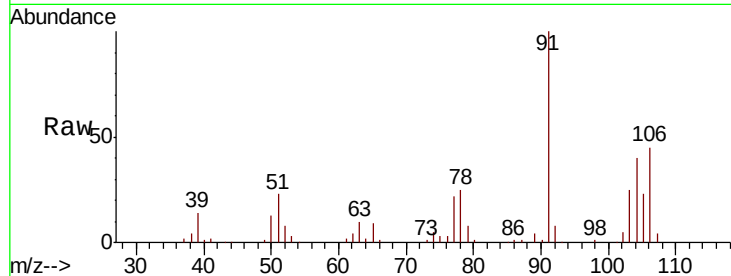




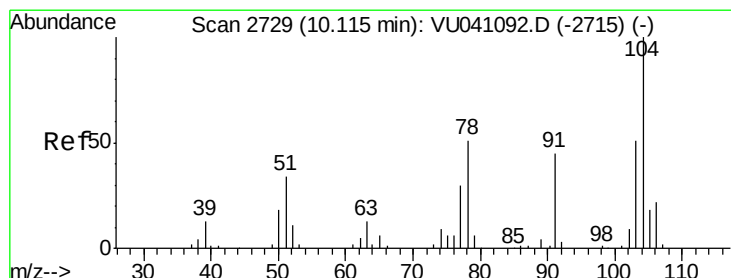
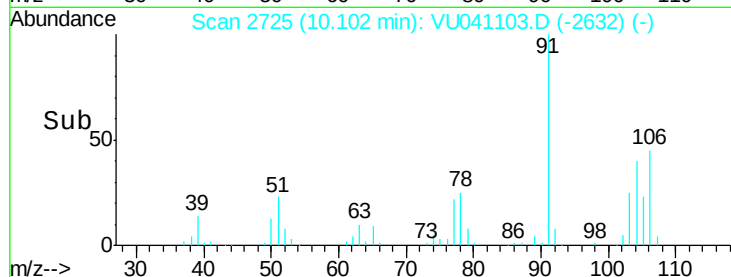
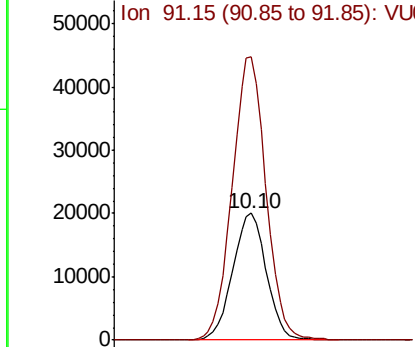
#54
o-Xylene
Concen: 5.330 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 31411
Ion Ratio Lower Upper
106 100
91 222.9 154.3 286.5

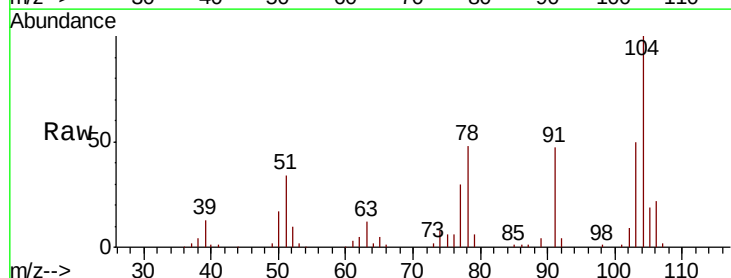


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

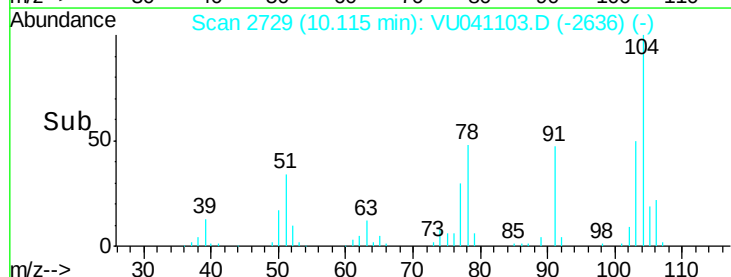
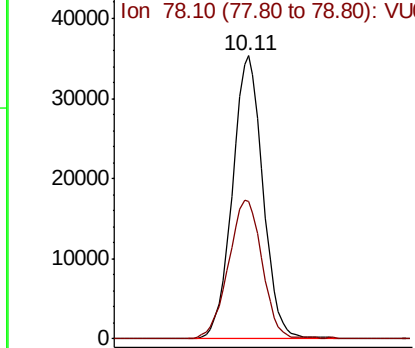


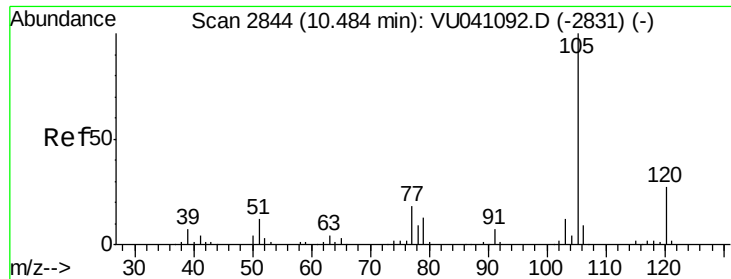
#55
Styrene
Concen: 5.370 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041103.D
Acq: 04 Nov 2020 17:48

Tgt Ion:104 Resp: 56387
Ion Ratio Lower Upper
104 100
78 48.4 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.403 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

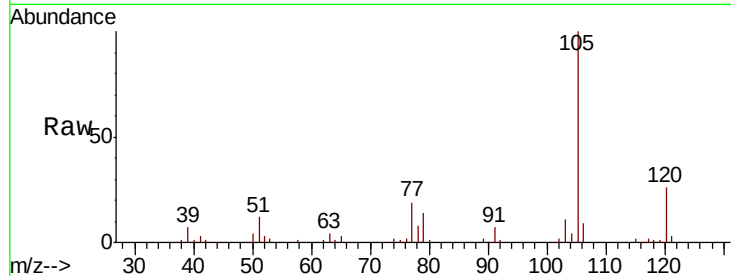
Tot Ion:105 Resp: 85618

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

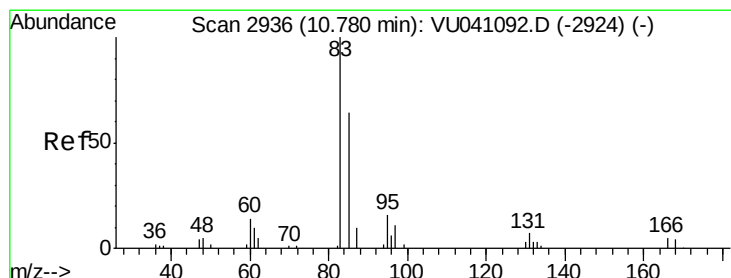
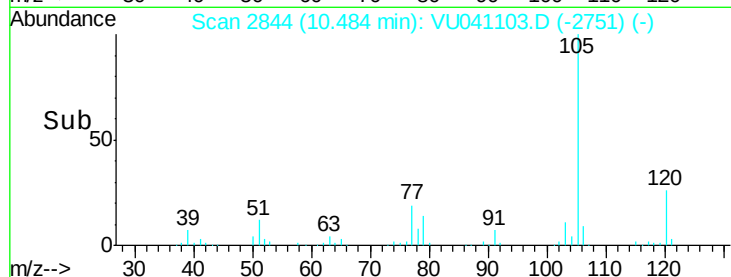
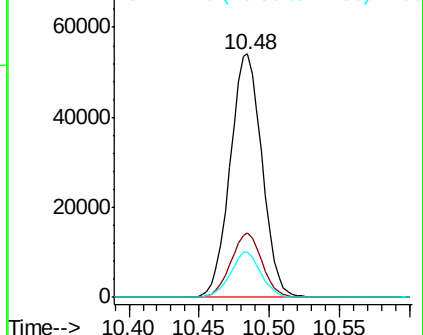
77 17.7 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.970 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

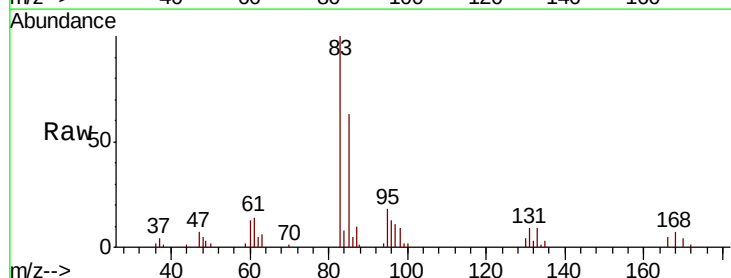
Tgt Ion: 83 Resp: 21371

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.4

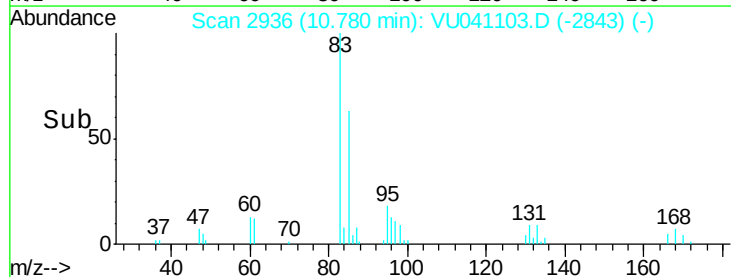
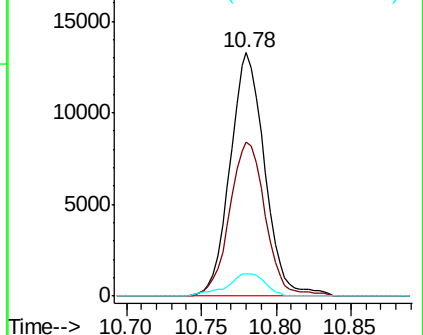
131 9.2 7.7 11.5

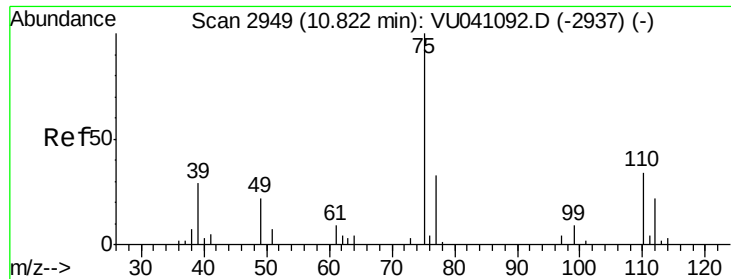


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.222 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

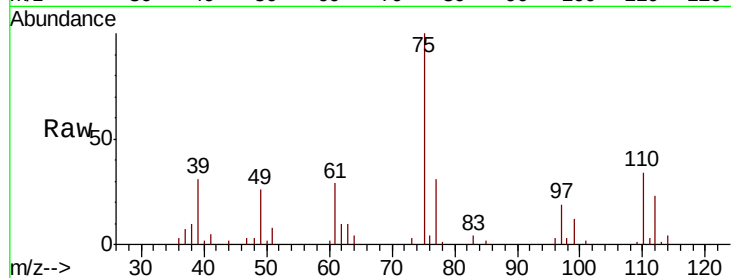
ClientSampleId :

Tot Ion: 75 Resp: 17119

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041103.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU041103.D (-2327) (-)

10.82

12000

10000

8000

6000

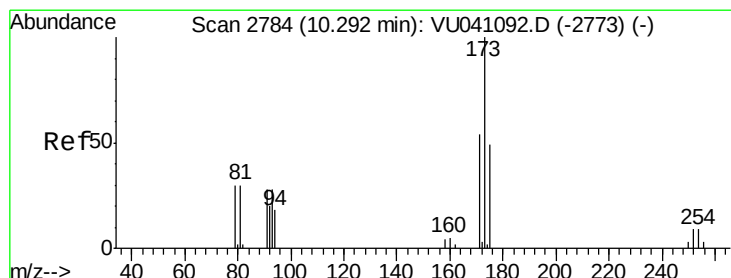
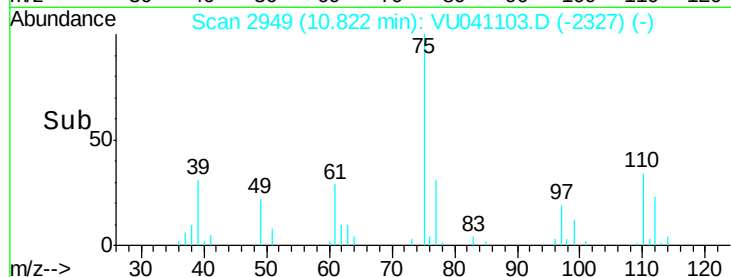
4000

2000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.878 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

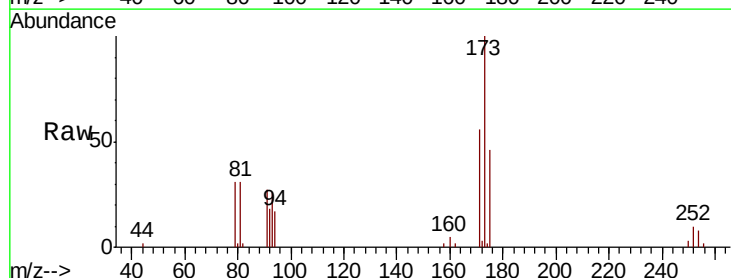
Tgt Ion: 173 Resp: 10704

Ion Ratio Lower Upper

173 100

175 47.1 37.6 56.4

254 7.9 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041103.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041103.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041103.D (-2691) (-)

10.29

8000

6000

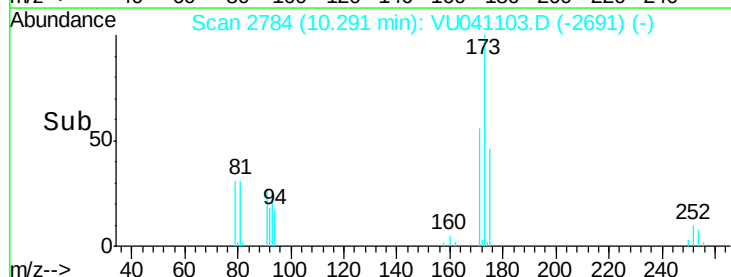
4000

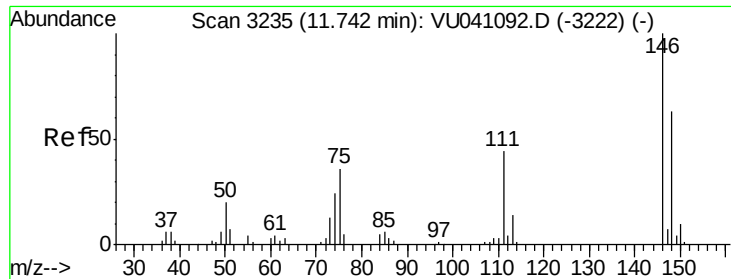
2000

0

Time-->

10.25 10.30 10.35

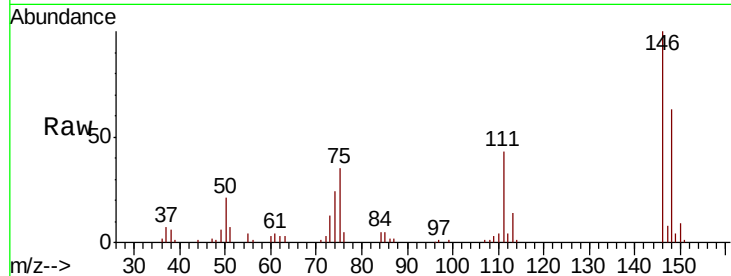




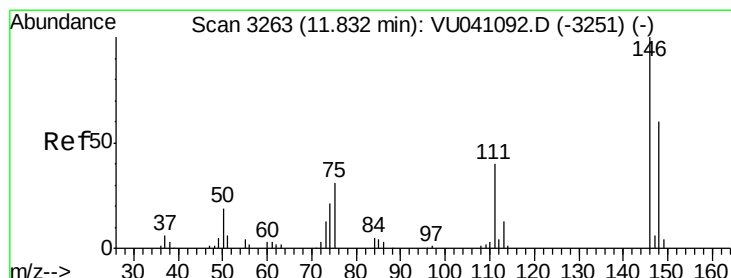
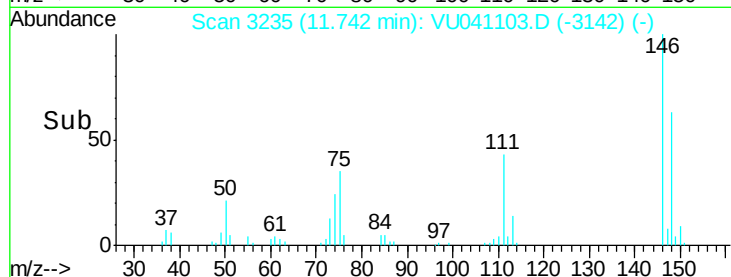
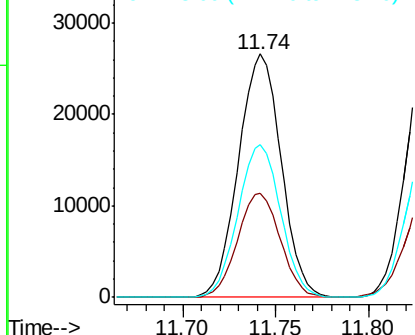
#62
 1,3-Dichlorobenzene
 Concen: 5.195 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 42698
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.9 57.3
 148 62.9 45.8 85.2

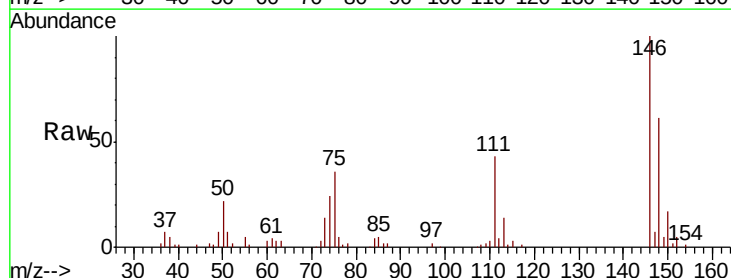


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

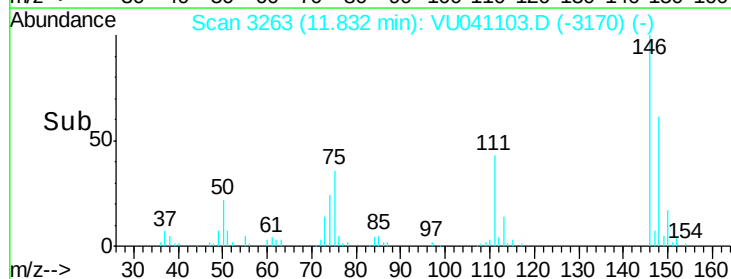
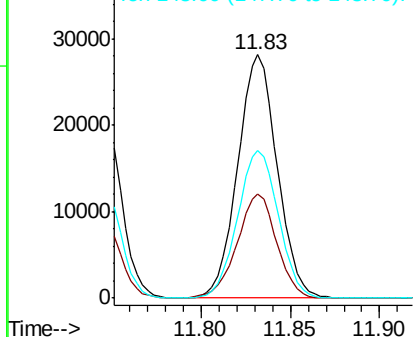


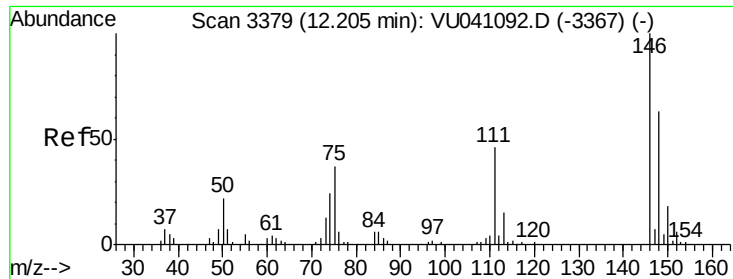
#63
 1,4-Dichlorobenzene
 Concen: 5.112 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion:146 Resp: 43518
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.3 52.7
 148 60.7 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.024 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

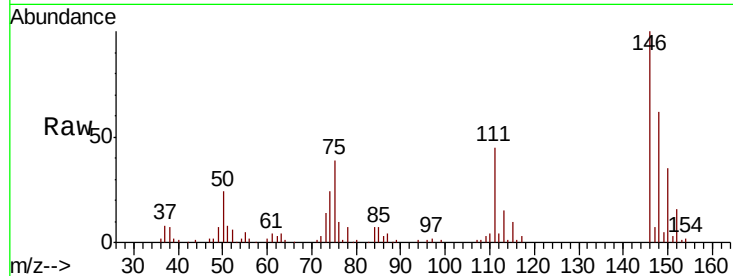
Tot Ion:146 Resp: 40753

Ion Ratio Lower Upper

146 100

111 44.9 35.0 52.6

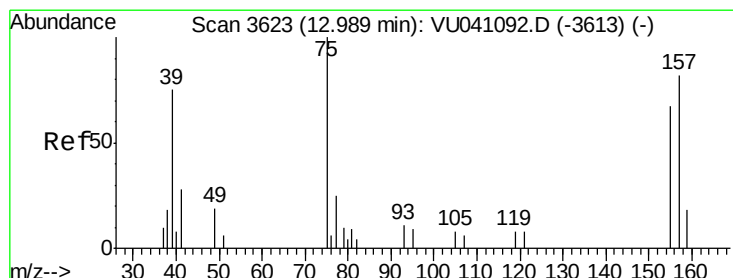
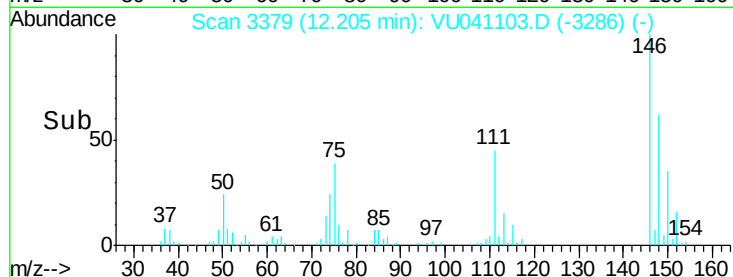
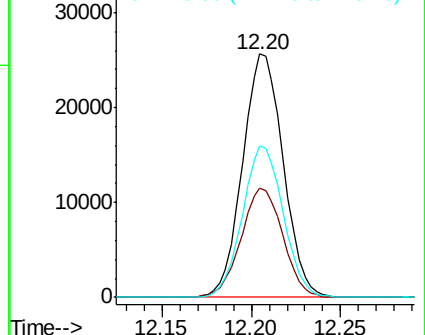
148 62.2 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.253 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

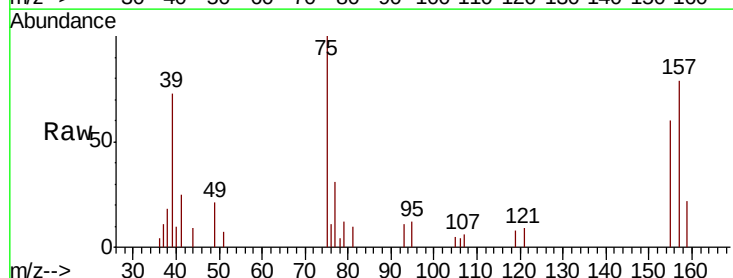
Tgt Ion: 75 Resp: 4176

Ion Ratio Lower Upper

75 100

155 59.7 61.4 92.2#

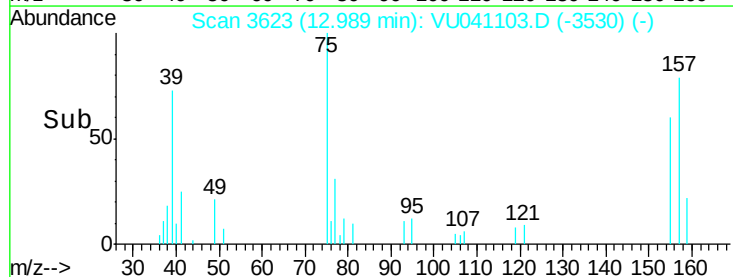
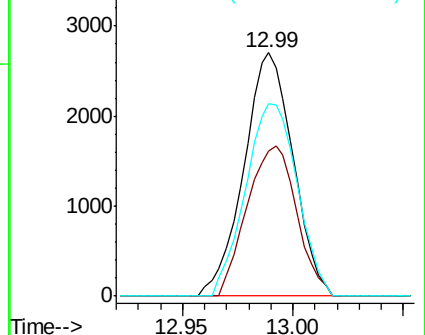
157 79.0 74.2 111.4

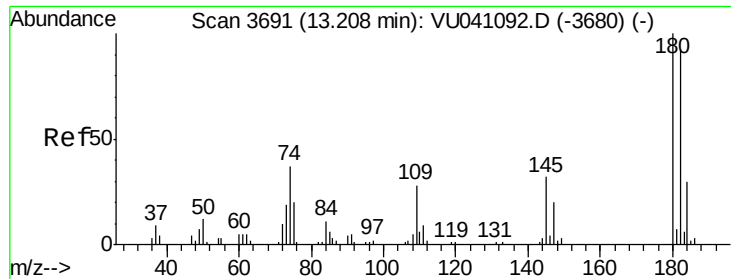


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

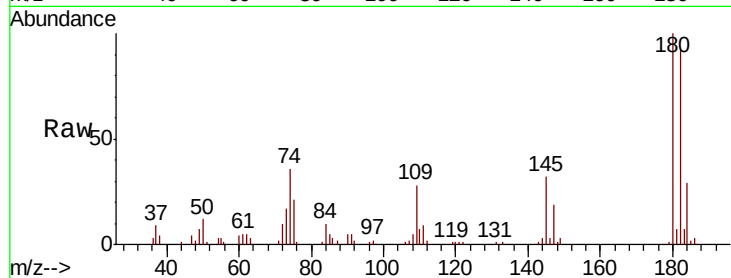




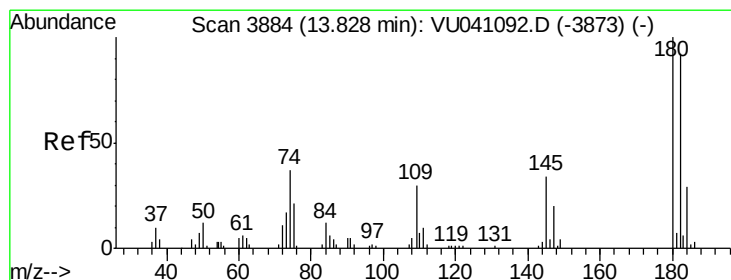
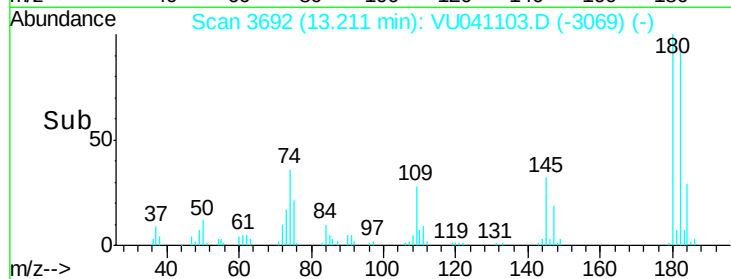
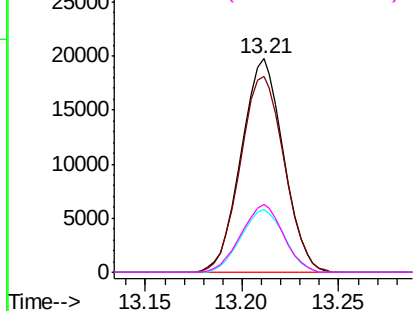
#67
 1,3,5-Trichlorobenzene
 Concen: 5.232 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 30075
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.7 113.5
 184 29.8 23.7 35.5
 145 31.7 26.1 39.1

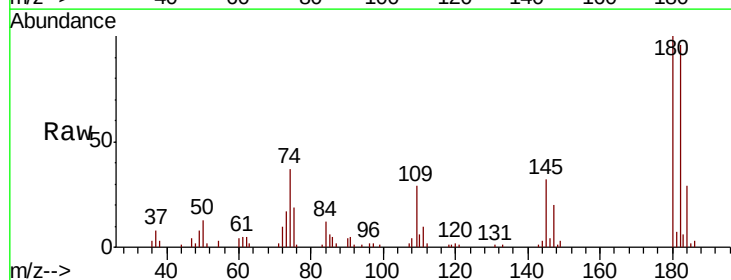


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

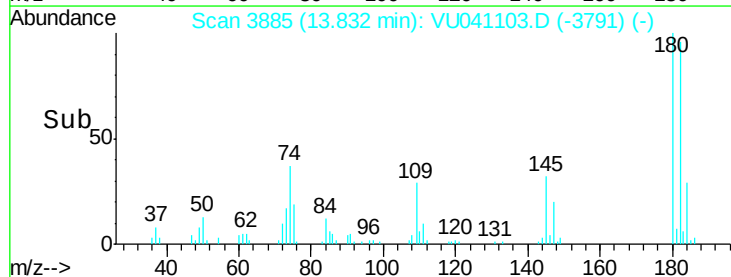
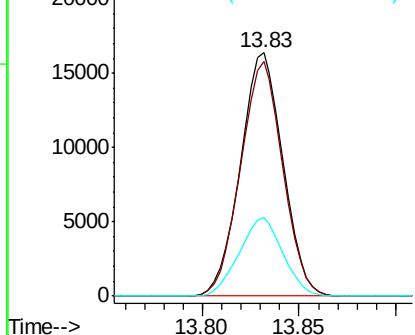


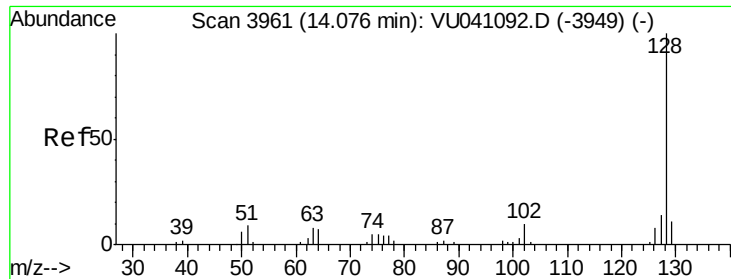
#68
 1,2,4-trichlorobenzene
 Concen: 5.253 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041103.D
 Acq: 04 Nov 2020 17:48

Tgt Ion:180 Resp: 25014
 Ion Ratio Lower Upper
 180 100
 182 95.6 73.5 110.3
 145 33.2 26.6 40.0



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





#69

Naphthalene

Concen: 5.132 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

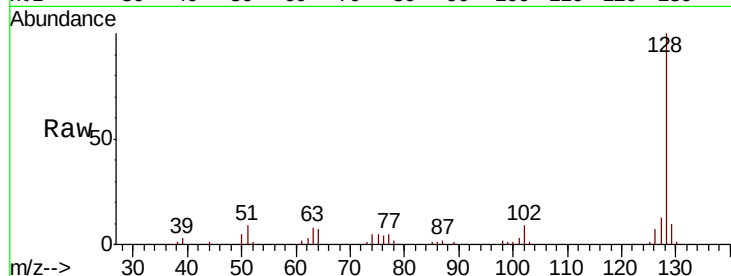
Tot Ion:128 Resp: 43704

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

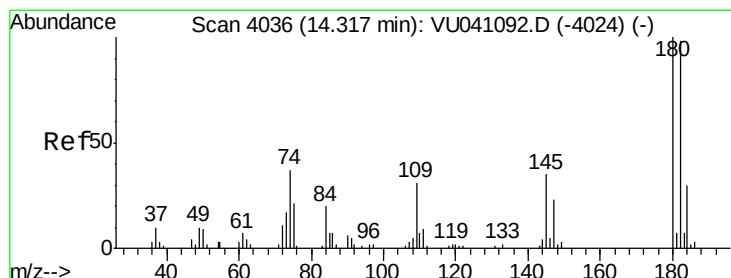
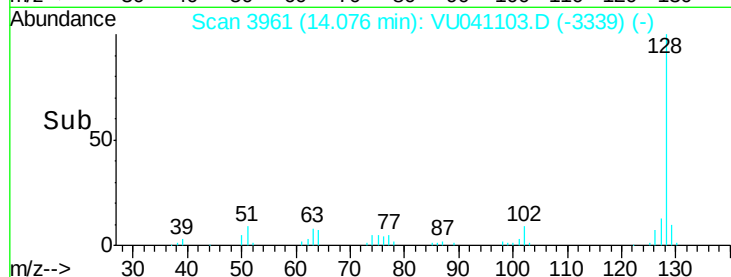
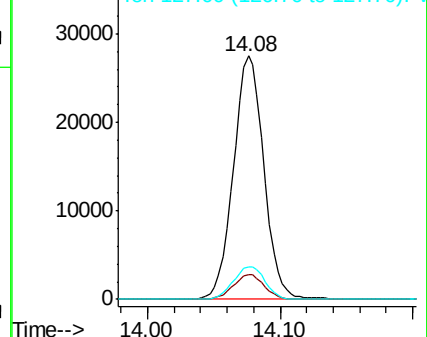
127 13.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.439 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041103.D

Acq: 04 Nov 2020 17:48

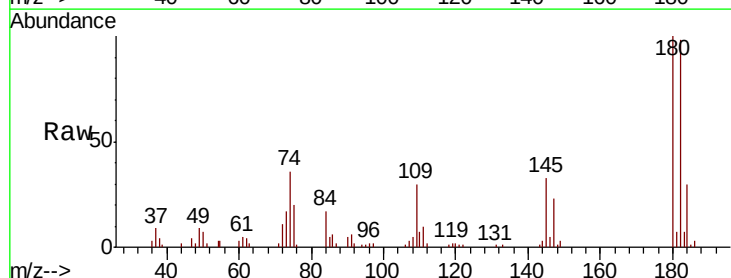
Tgt Ion:180 Resp: 23871

Ion Ratio Lower Upper

180 100

182 98.0 77.7 116.5

145 34.8 29.4 44.0



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

