

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
 Data File : VU041105.D
 Acq On : 05 Nov 2020 13:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 19:34:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59000	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30715	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22032	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.92	69	17672	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	44868	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.65	46	83215	50.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.96%
24) Chloroform-d	5.08	84	47072	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.71	65	29155	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	88064	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	6.70	67	28913	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.90	98	82206	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
43) trans-1,3-Dichloropropene-	8.18	79	12324	5.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.80%
46) 2-Hexanone-d5	8.64	63	64875	54.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25931	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	30616	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	25366	4.709	ug/L	98
3) Chloromethane	1.53	50	26563	4.729	ug/L	99
5) Vinyl chloride	1.61	62	26563	4.794	ug/L	99
6) Bromomethane	1.86	94	14475	4.557	ug/L	100
8) Chloroethane	1.94	64	15260	4.347	ug/L	94
9) Trichlorofluoromethane	2.15	101	36466	4.842	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	22874	5.182	ug/L	97
12) 1,1-Dichloroethene	2.59	96	19529	4.686	ug/L	97
13) Acetone	2.65	43	58109	52.071	ug/L #	56
14) Carbon disulfide	2.81	76	60545	4.347	ug/L	99
15) Methyl Acetate	2.96	43	12796	5.011	ug/L	91
16) Methylene chloride	3.06	84	23963	4.935	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	51942	4.843	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	20600	4.864	ug/L	92
19) 1,1-Dichloroethane	3.89	63	43236	5.106	ug/L	98
21) 2-Butanone	4.73	43	86144	49.390	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	22371	5.121	ug/L	99

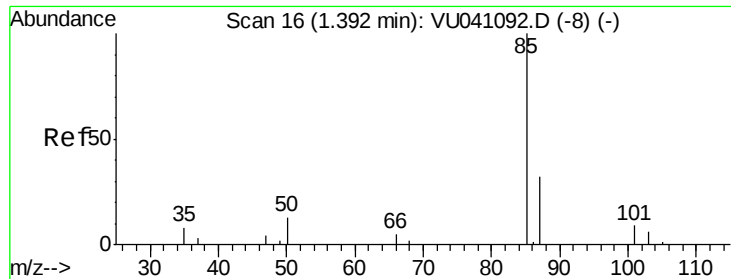
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
 Data File : VU041105.D
 Acq On : 05 Nov 2020 13:51
 Operator : SY/MD
 Sample : VSTDCCC005
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 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 19:34:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11110	5.390	ug/L	97
25) Chloroform	5.10	83	45511	5.360	ug/L	100
27) 1,2-Dichloroethane	5.81	62	31101	4.918	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	37627	5.267	ug/L	96
30) Cyclohexane	5.40	56	32938	4.679	ug/L	100
31) Carbon tetrachloride	5.54	117	32964	5.210	ug/L	99
33) Benzene	5.79	78	91408	5.237	ug/L	100
34) Trichloroethene	6.55	95	23703	5.336	ug/L	97
35) Methylcyclohexane	6.77	83	32179	4.856	ug/L	97
37) 1,2-Dichloropropane	6.80	63	25885	5.480	ug/L	97
38) Bromodichloromethane	7.11	83	31867	5.201	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	32337	4.973	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	199211	52.899	ug/L	98
42) Toluene	7.97	91	96372	5.445	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	32495	5.339	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	19031	5.413	ug/L	95
47) Tetrachloroethene	8.56	164	17917	5.485	ug/L	96
48) 2-Hexanone	8.69	43	152253	53.694	ug/L	98
49) Dibromochloromethane	8.81	129	23197	5.681	ug/L	100
50) 1,2-Dibromoethane	8.93	107	18323	5.469	ug/L	98
51) Chlorobenzene	9.45	112	60505	5.391	ug/L	96
52) Ethylbenzene	9.57	91	97642	5.241	ug/L	98
53) m,p-Xylene	9.69	106	37306	5.490	ug/L	97
54) o-Xylene	10.10	106	34924	5.519	ug/L	100
55) Styrene	10.11	104	61999	5.499	ug/L	100
56) Isopropylbenzene	10.48	105	95536	5.614	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	24745	5.359	ug/L #	98
59) 1,2,3-Trichloropropane	10.82	75	18140	5.153	ug/L	99
61) Bromoform	10.29	173	13205	5.579	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	49977	5.637	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	50908	5.544	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	48038	5.491	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4451	5.191	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	34432	5.553	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	28096	5.470	ug/L	99
69) Naphthalene	14.08	128	44712	4.868	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	27165	5.738	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.709 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

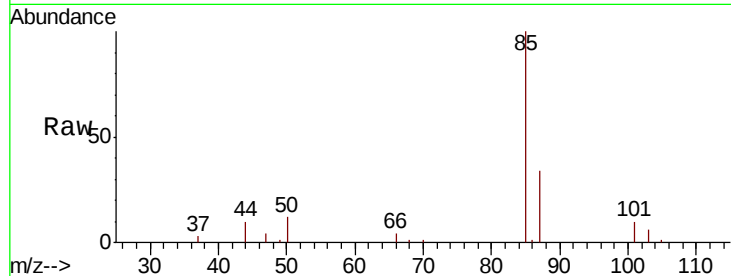
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 25366

Ion Ratio Lower Upper

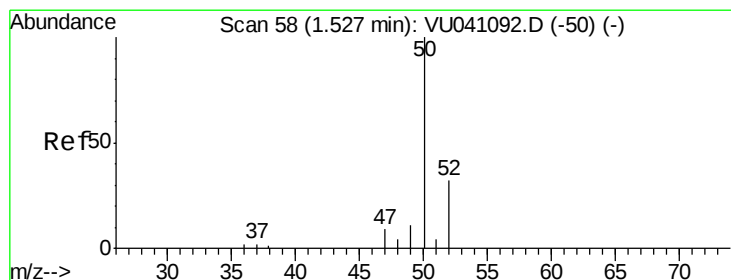
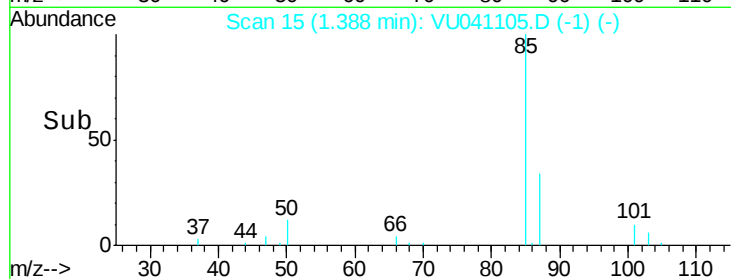
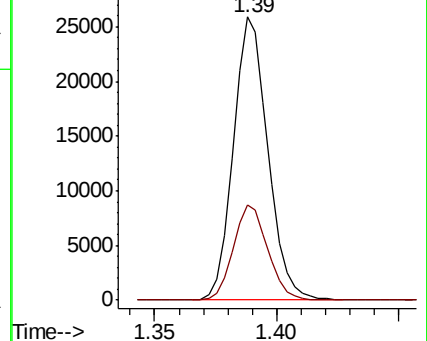
85 100

87 33.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.729 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041105.D

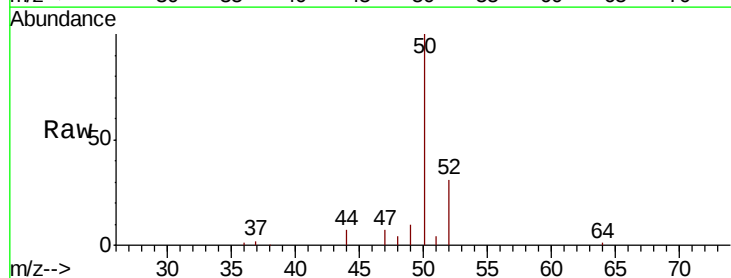
Acq: 05 Nov 2020 13:51

Tgt Ion: 50 Resp: 26563

Ion Ratio Lower Upper

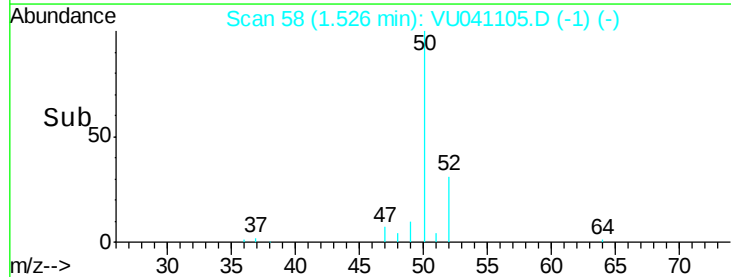
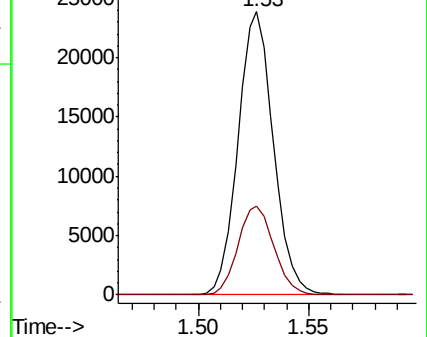
50 100

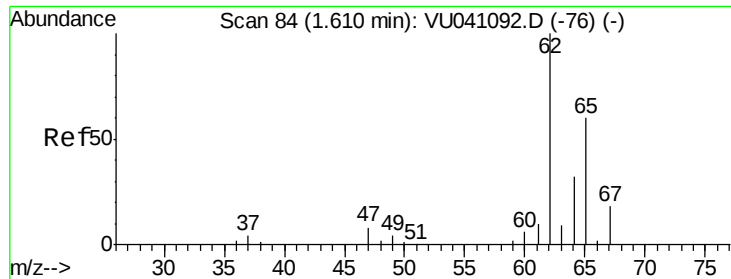
52 31.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.794 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

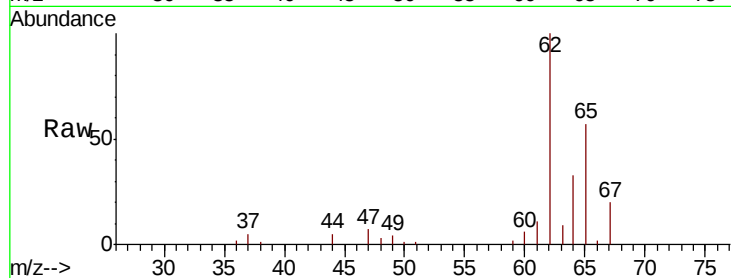
ClientSampled :

Tot Ion: 62 Resp: 26563

Ion Ratio Lower Upper

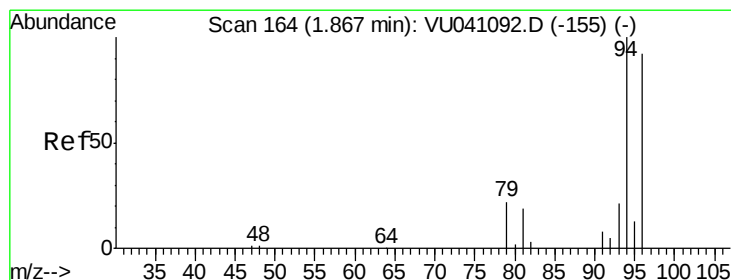
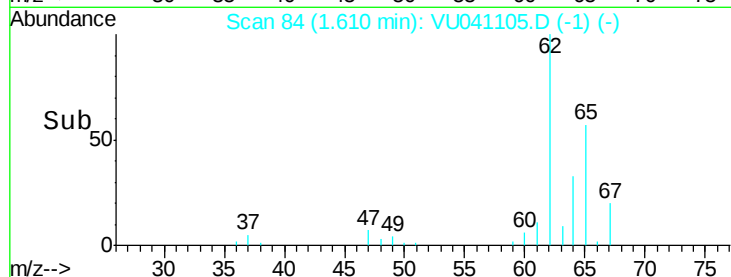
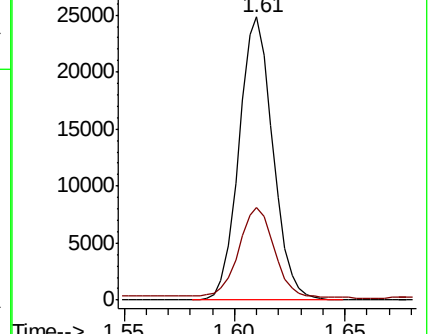
62 100

64 32.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.557 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041105.D

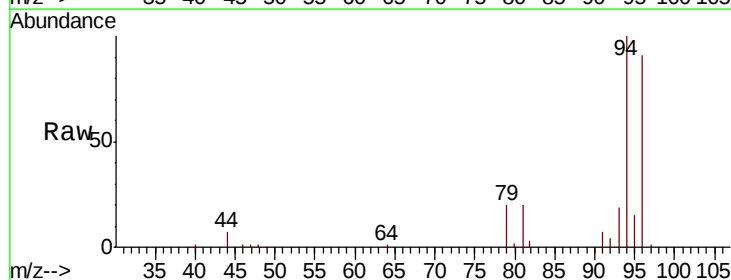
Acq: 05 Nov 2020 13:51

Tgt Ion: 94 Resp: 14475

Ion Ratio Lower Upper

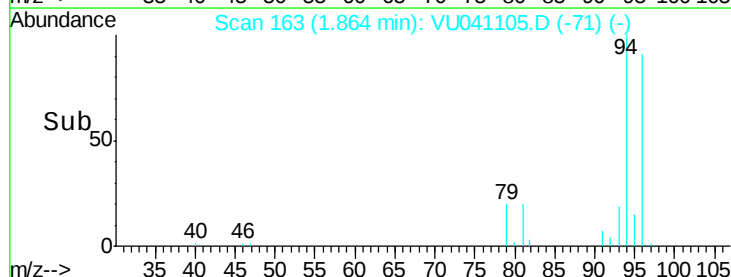
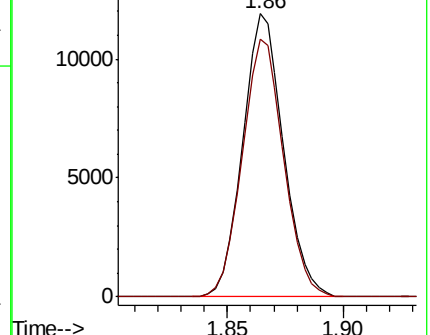
94 100

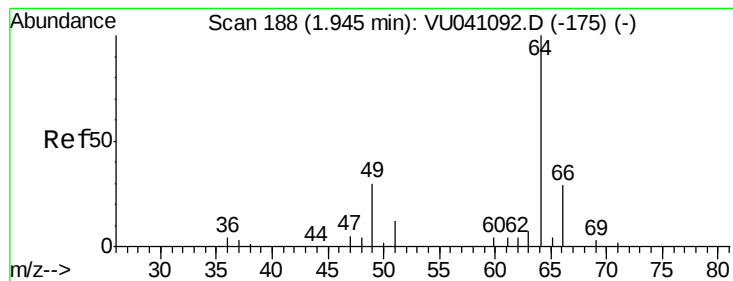
96 91.0 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.347 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

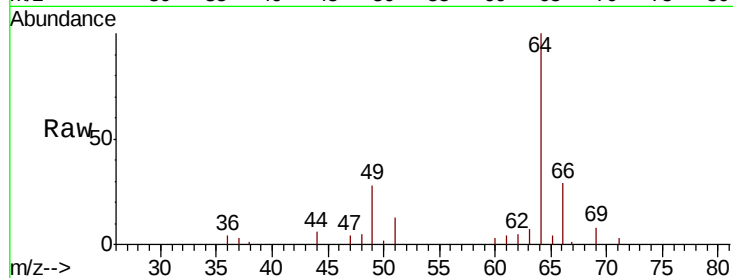
ClientSampleId :

Tot Ion: 64 Resp: 15260

Ion Ratio Lower Upper

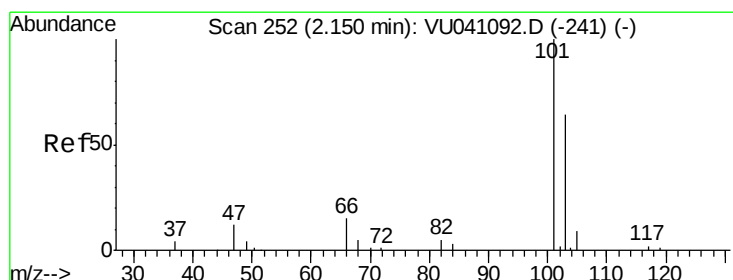
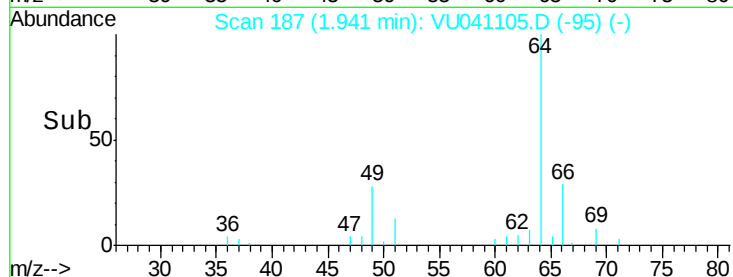
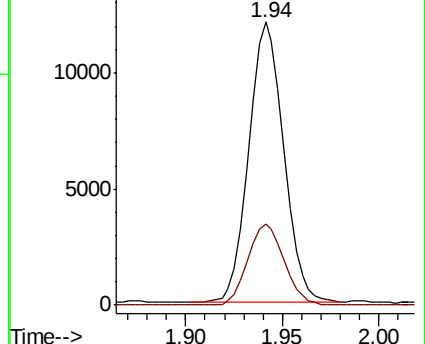
64 100

66 28.8 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041105.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU041105.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.842 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041105.D

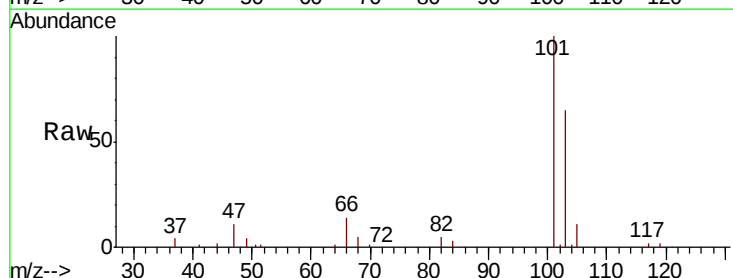
Acq: 05 Nov 2020 13:51

Tgt Ion: 101 Resp: 36466

Ion Ratio Lower Upper

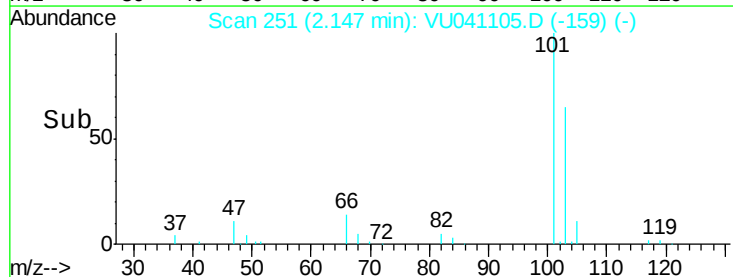
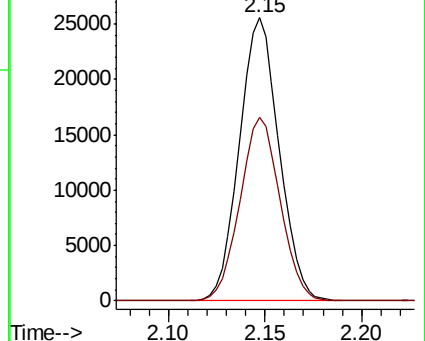
101 100

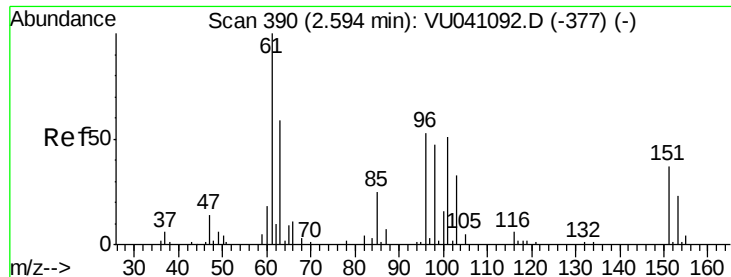
103 65.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041105.D (-159) (-)

Ion 103.00 (102.70 to 103.70): VU041105.D (-159) (-)





#10

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

Concen: 5.182 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampled :

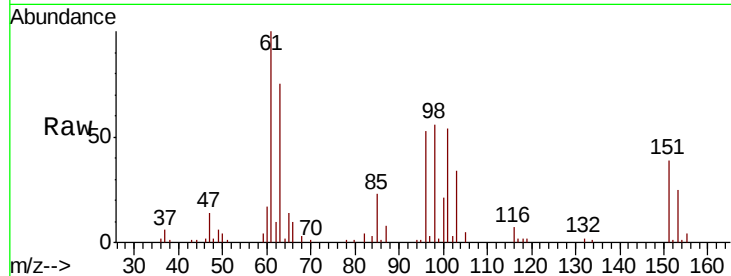
Tot Ion:101 Resp: 22874

Ion Ratio Lower Upper

101 100

85 43.4 35.0 52.4

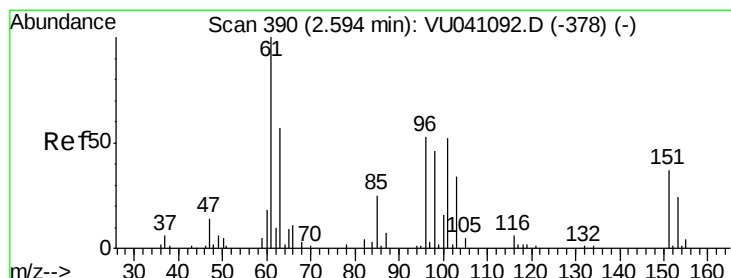
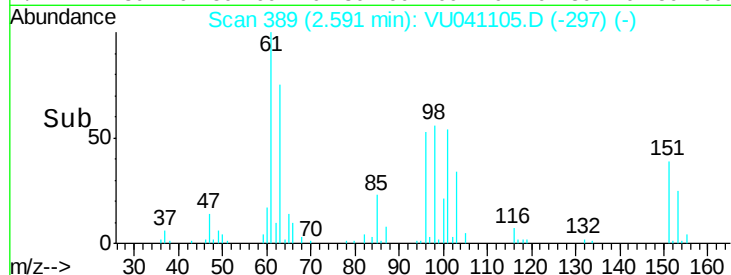
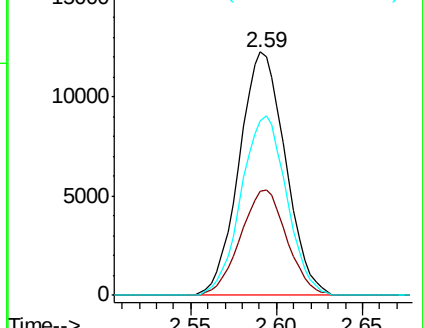
151 72.5 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.686 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

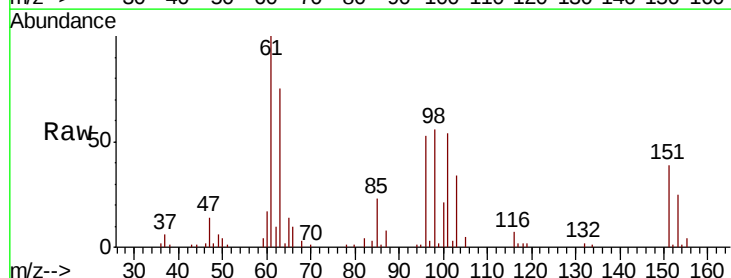
Tgt Ion: 96 Resp: 19529

Ion Ratio Lower Upper

96 100

61 188.2 134.3 249.5

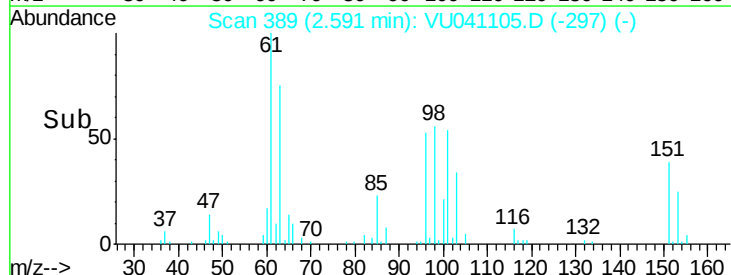
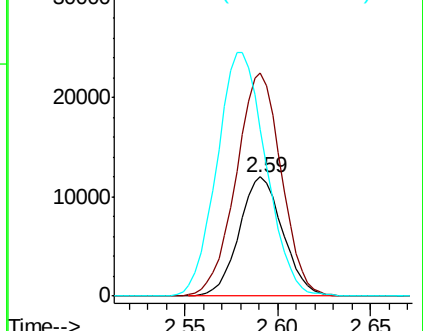
63 140.5 95.0 176.4

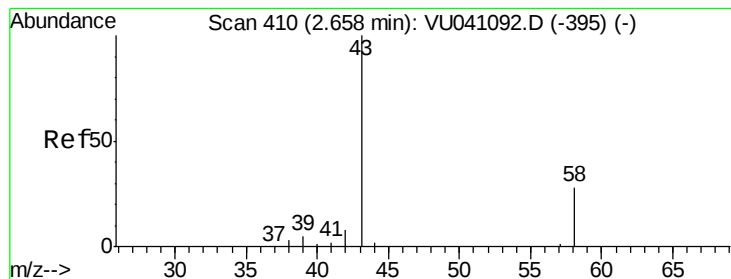


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.071 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

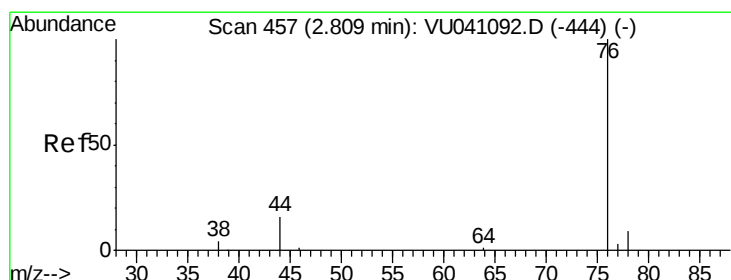
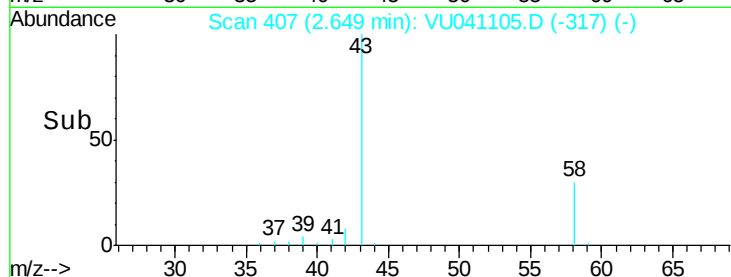
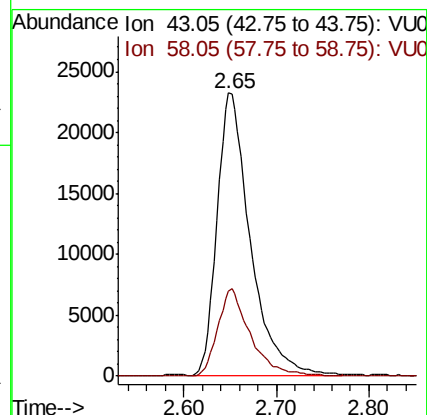
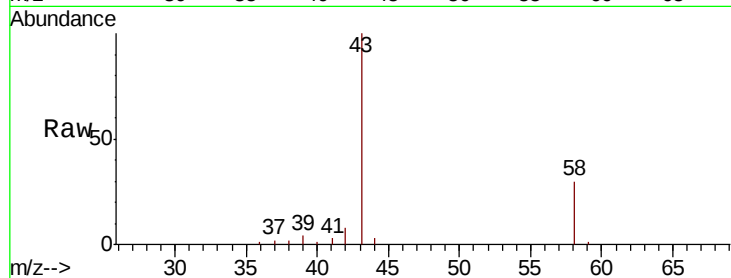
ClientSampleId :

Tot Ion: 43 Resp: 58109

Ion Ratio Lower Upper

43 100

58 30.1 0.0 25.4#



#14

Carbon disulfide

Concen: 4.347 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041105.D

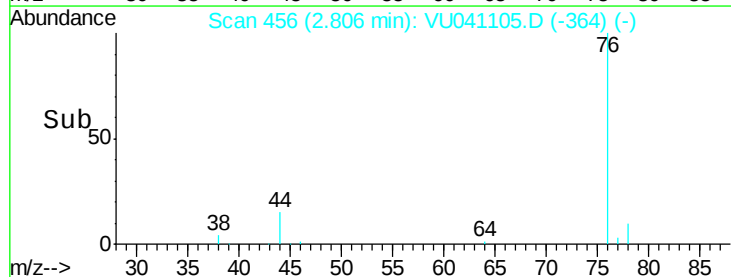
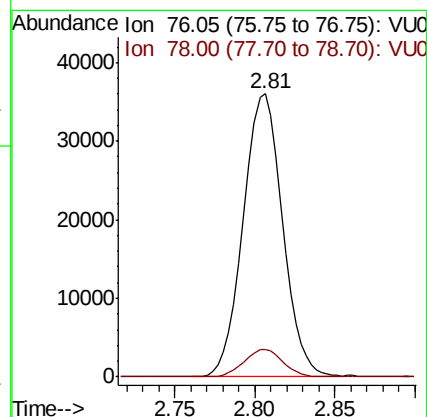
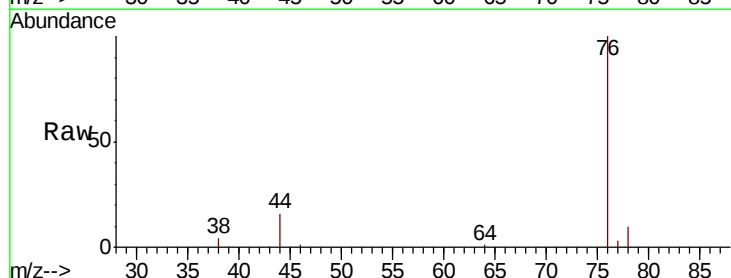
Acq: 05 Nov 2020 13:51

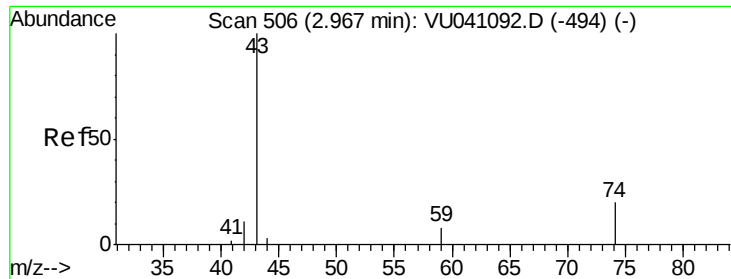
Tgt Ion: 76 Resp: 60545

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3

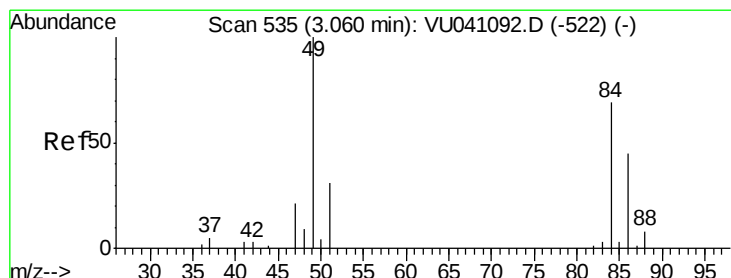
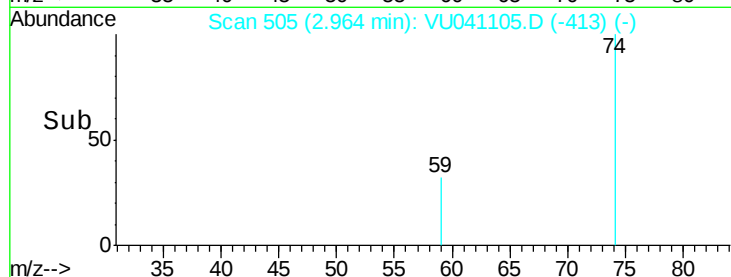
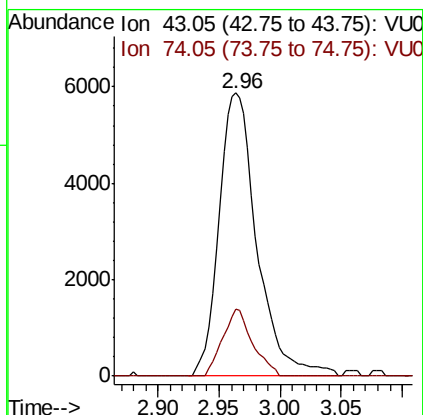
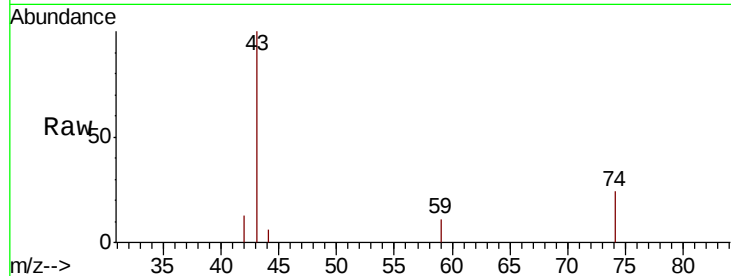




#15
Methvl Acetate
Concen: 5.011 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

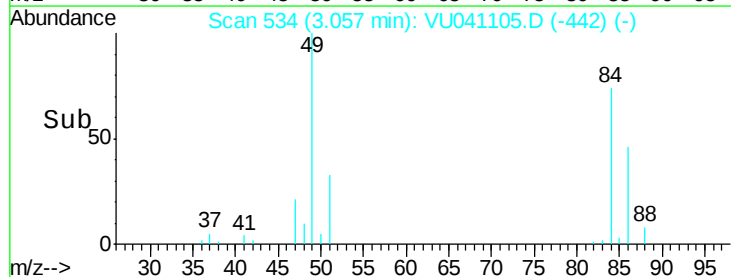
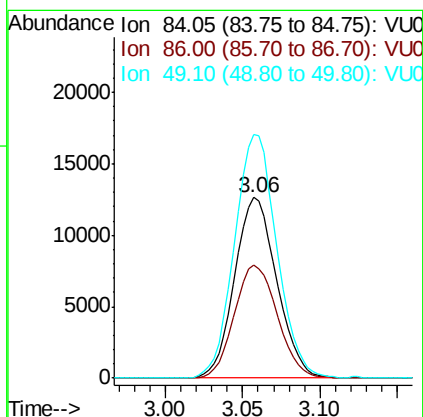
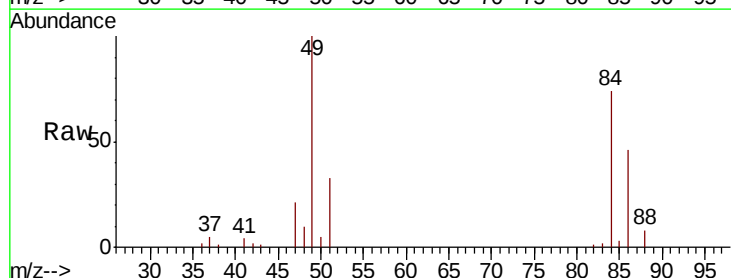
Instrument :
MSVOA_U
ClientSampleId :

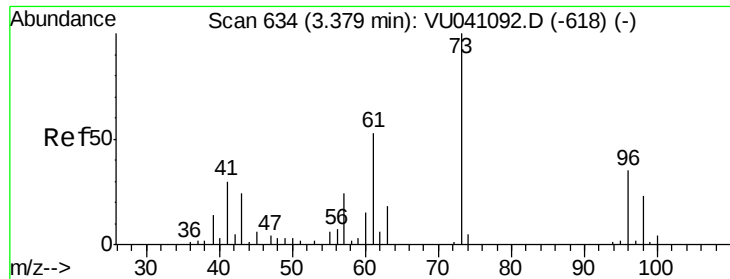
Tot Ion: 43 Resp: 12796
Ion Ratio Lower Upper
43 100
74 18.6 18.3 27.5



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion: 84 Resp: 23963
Ion Ratio Lower Upper
84 100
86 62.5 42.8 79.6
49 134.9 99.5 184.7

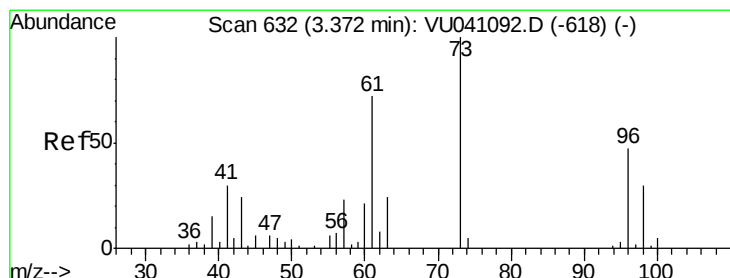
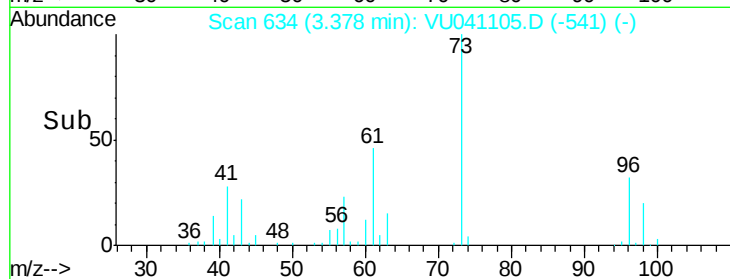
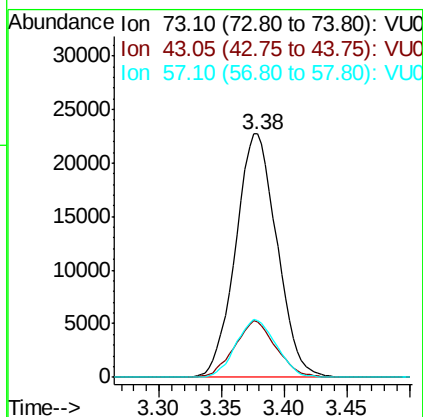
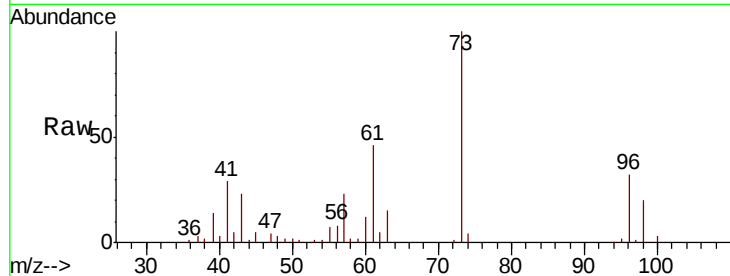




#17
Methvl tert-butvl Ether
Concen: 4.843 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

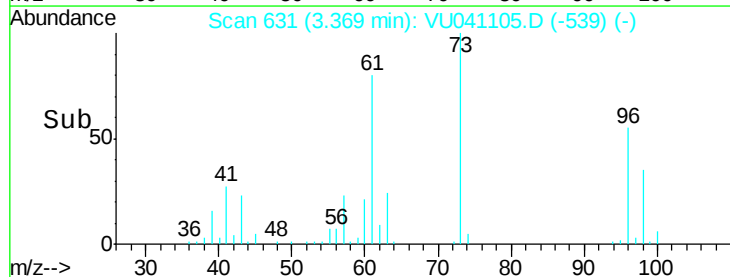
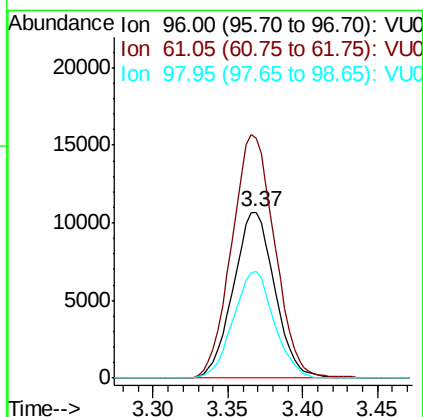
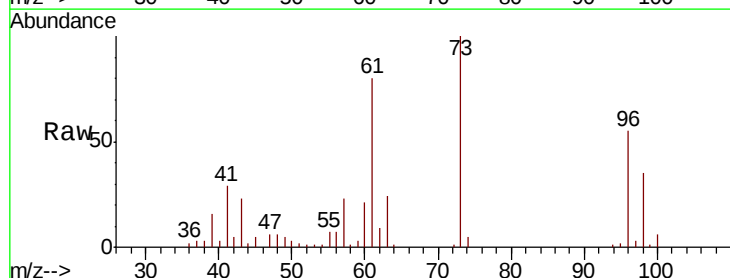
Instrument :
MSVOA_U
ClientSampleId :

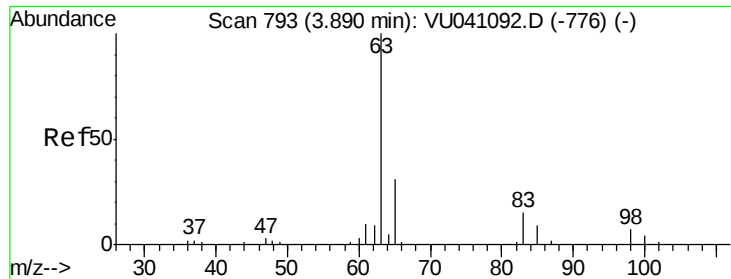
Tot Ion: 73 Resp: 51942
Ion Ratio Lower Upper
73 100
43 23.3 18.5 27.7
57 23.2 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.864 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion: 96 Resp: 20600
Ion Ratio Lower Upper
96 100
61 144.4 110.9 205.9
98 64.1 45.4 84.2

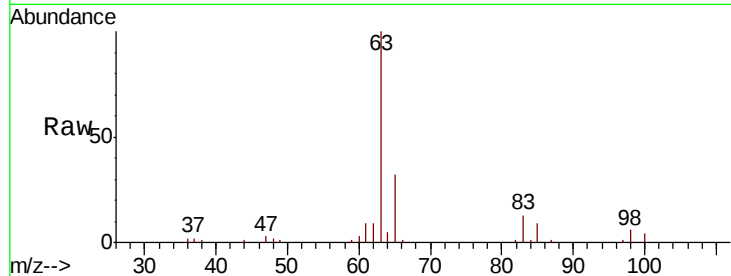




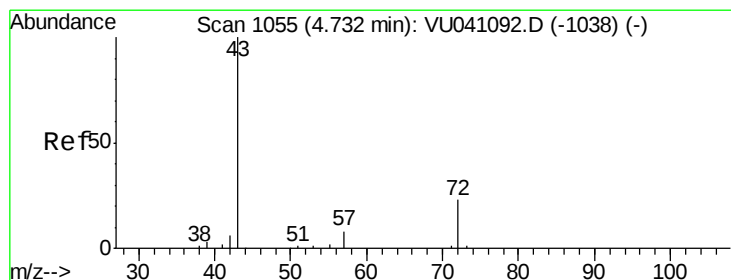
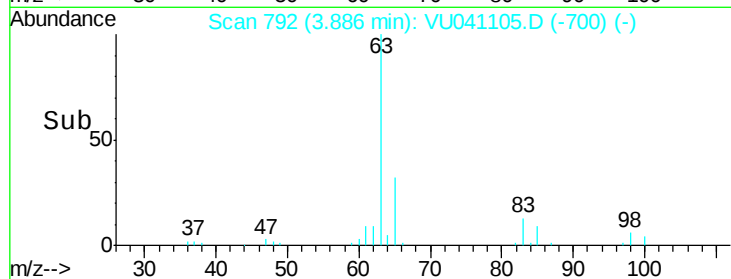
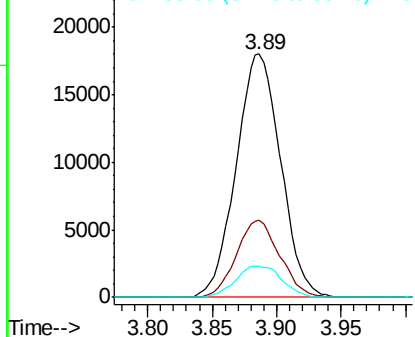
#19
 1,1-Dichloroethane
 Concen: 5.106 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 43236
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.3 39.6
 83 12.9 8.8 16.3

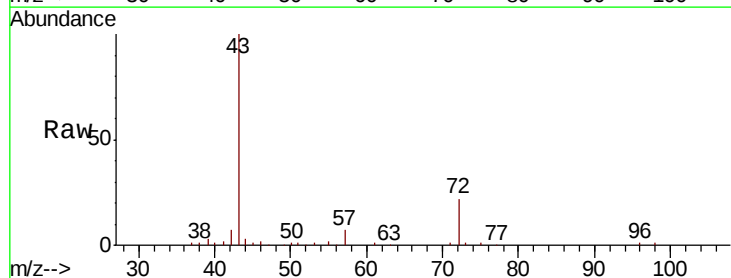


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

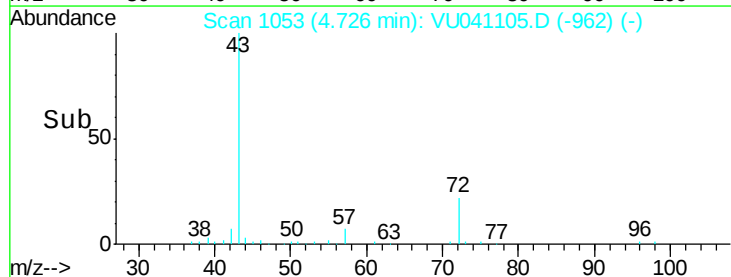
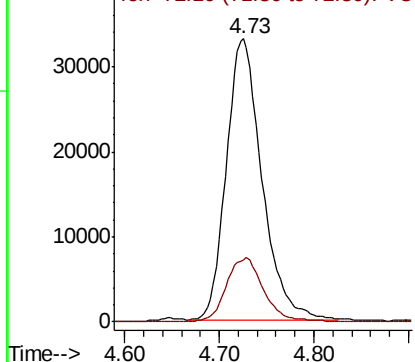


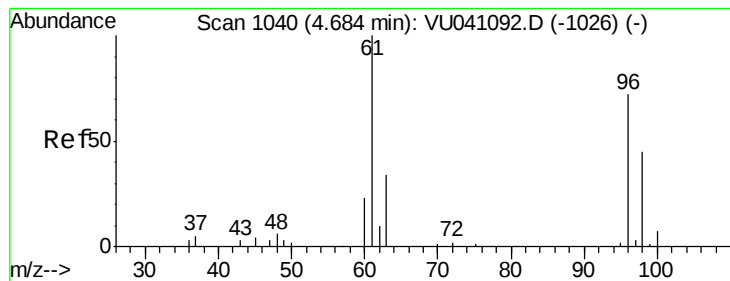
#21
 2-Butanone
 Concen: 49.390 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 43 Resp: 86144
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.8 35.4



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: 5.121 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :
MSVOA_U
ClientSampleId :

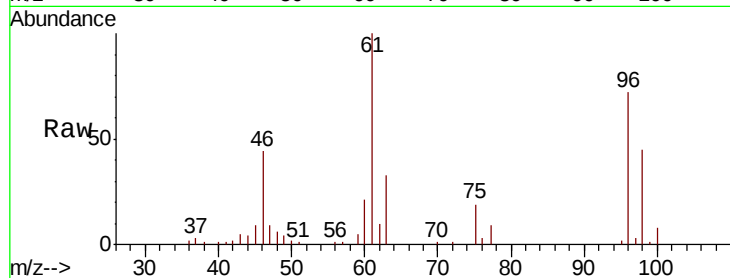
Tot Ion: 96 Resp: 22371

Ion Ratio Lower Upper

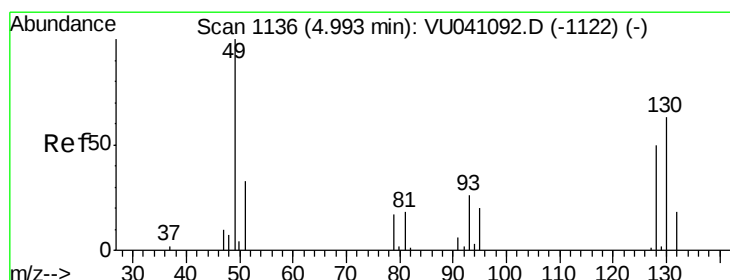
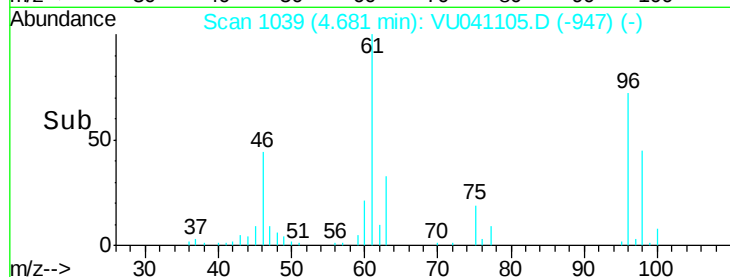
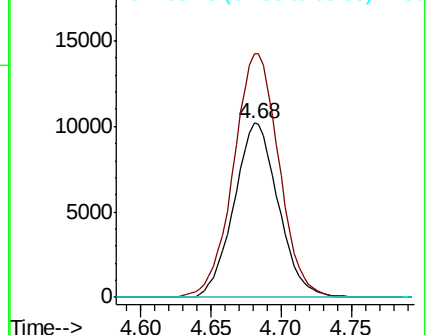
96 100

61 139.7 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: 5.390 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Tgt Ion:128 Resp: 11110

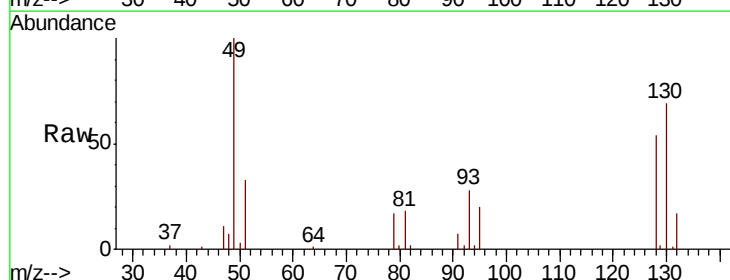
Ion Ratio Lower Upper

128 100

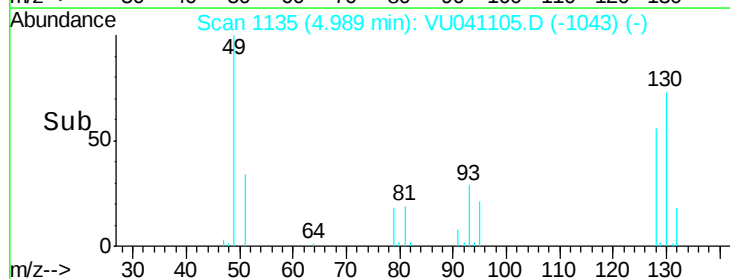
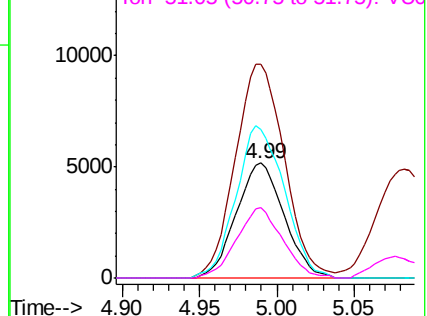
49 185.8 135.0 250.8

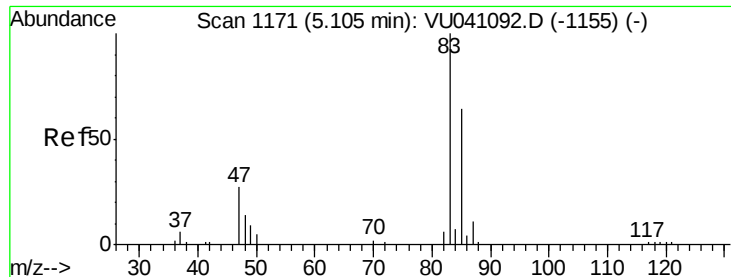
130 129.0 89.9 167.0

51 61.1 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

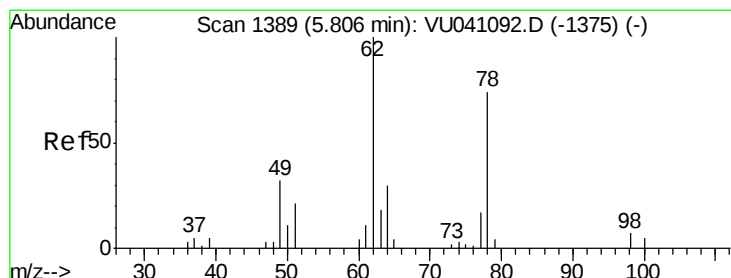
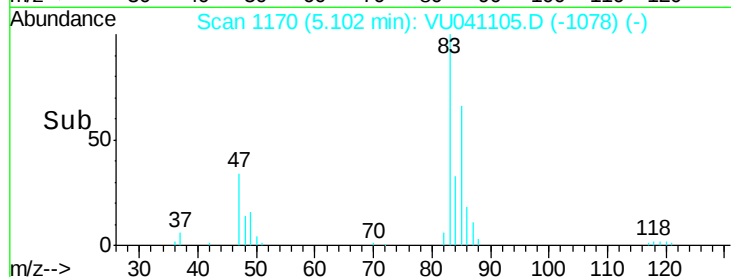
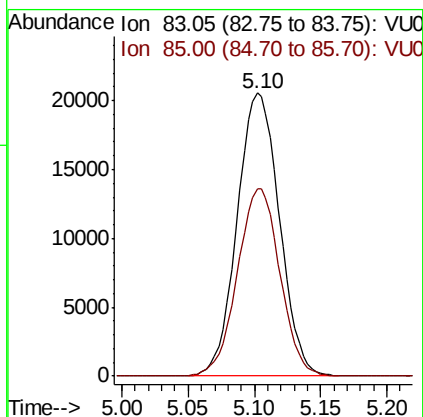
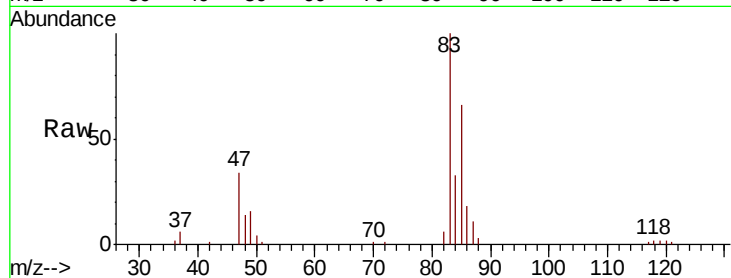




#25
Chloroform
Concen: 5.360 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

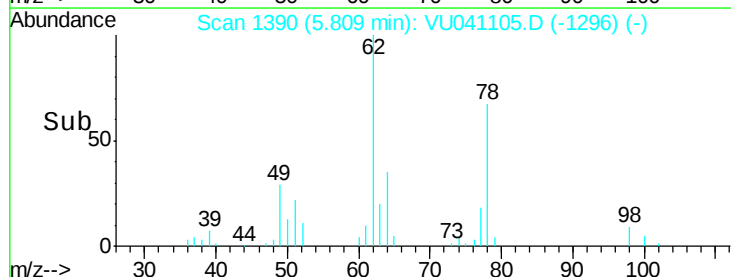
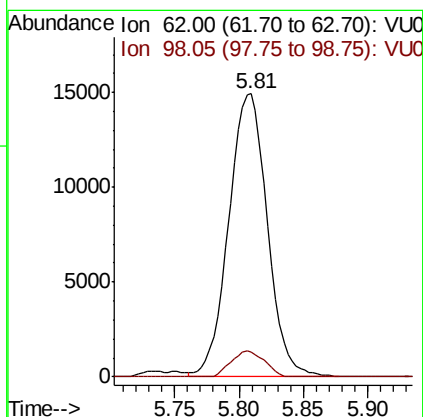
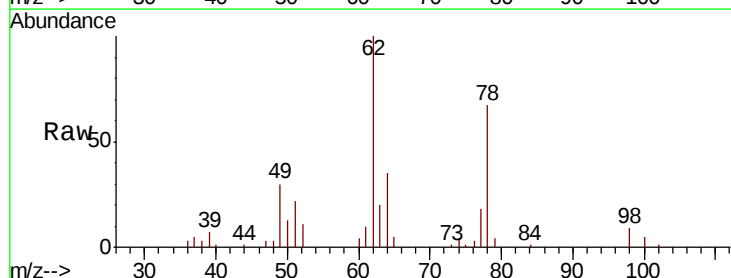
Instrument :
MSVOA_U
ClientSampleId :

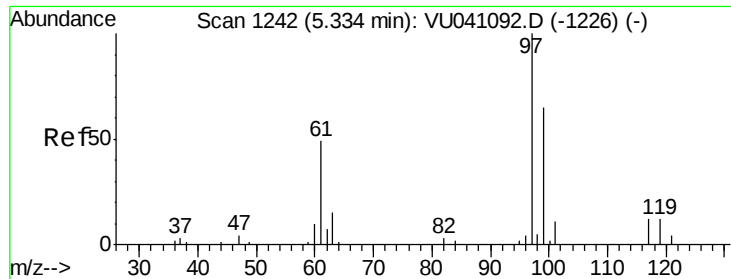
Tot Ion: 83 Resp: 45511
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.918 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion: 62 Resp: 31101
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4

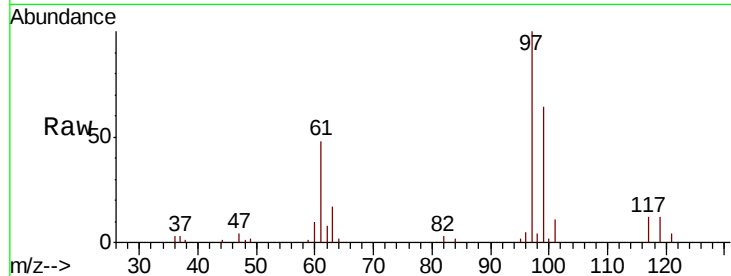




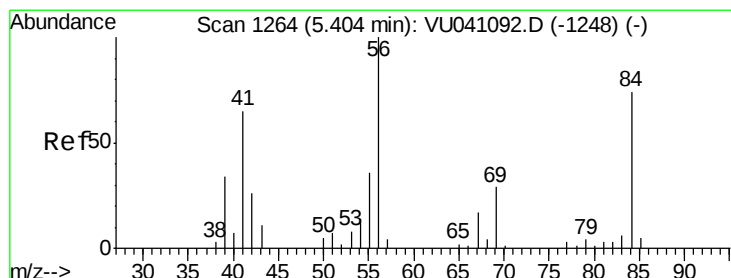
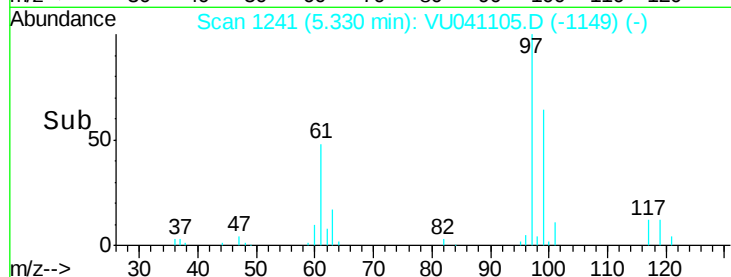
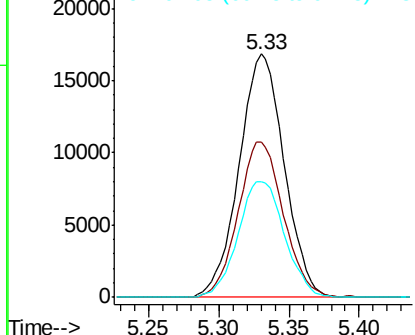
#29
 1,1,1-Trichloroethane
 Concen: 5.267 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 37627
 Ion Ratio Lower Upper
 97 100
 99 64.1 53.4 80.0
 61 49.0 41.6 62.4

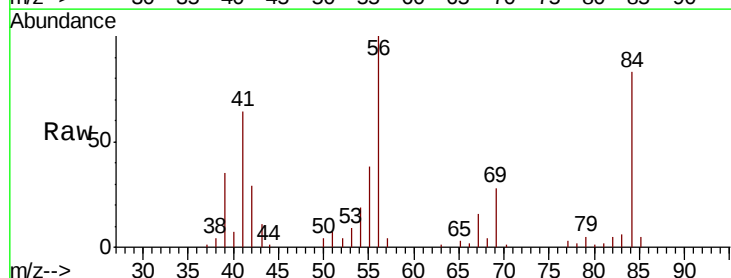


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

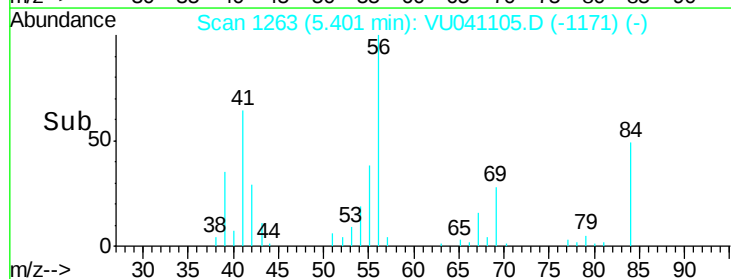
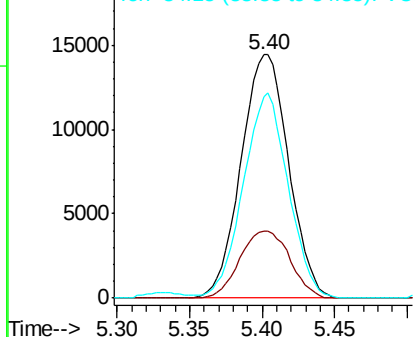


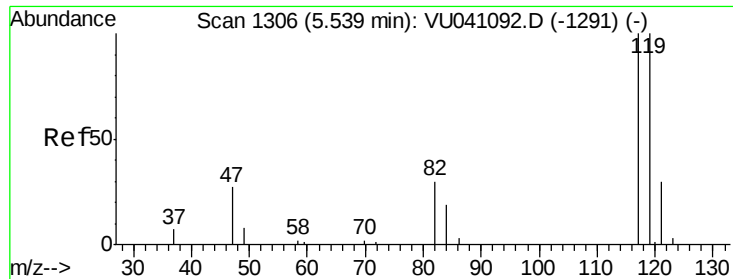
#30
 Cyclohexane
 Concen: 4.679 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 56 Resp: 32938
 Ion Ratio Lower Upper
 56 100
 69 28.9 22.8 34.2
 84 79.6 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

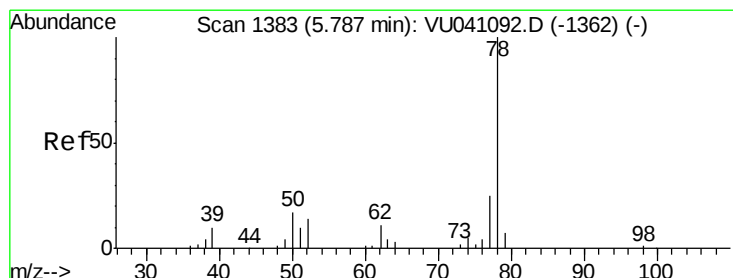
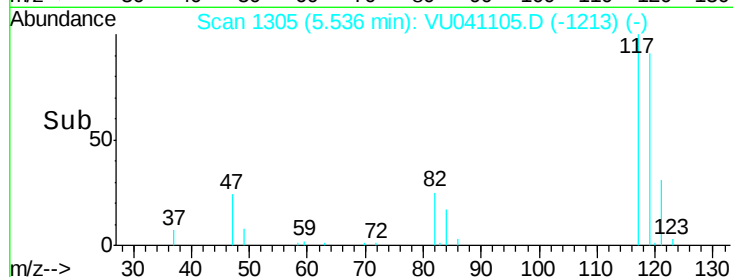
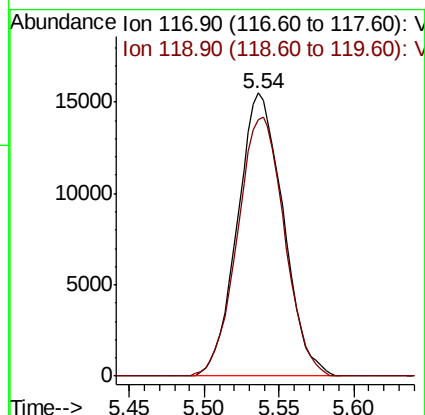
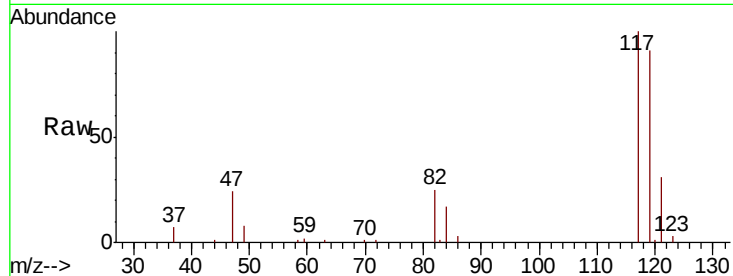




#31
Carbon tetrachloride
Concen: 5.210 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

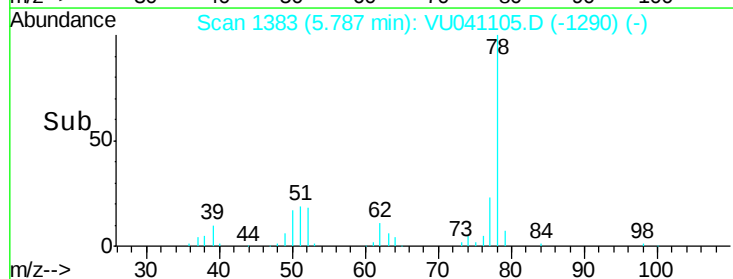
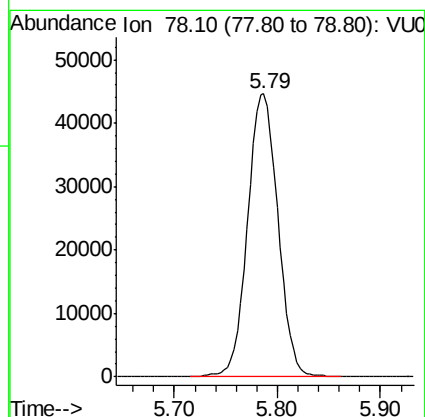
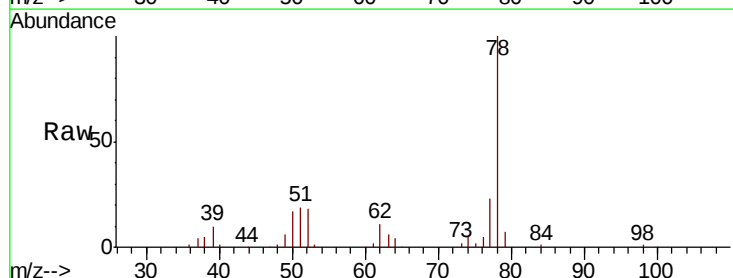
Instrument :
MSVOA_U
ClientSampleId :

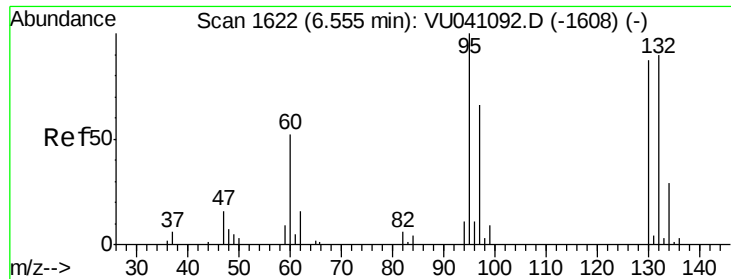
Tot Ion:117 Resp: 32964
Ion Ratio Lower Upper
117 100
119 93.9 76.1 114.1



#33
Benzene
Concen: 5.237 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion: 78 Resp: 91408

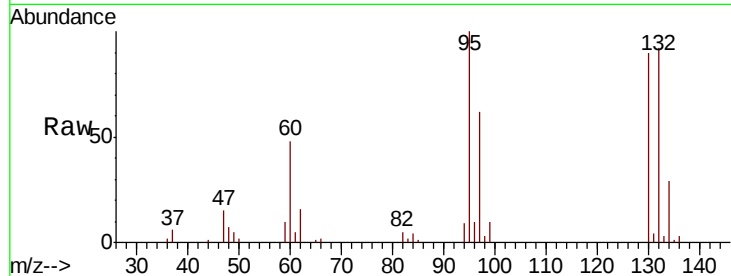




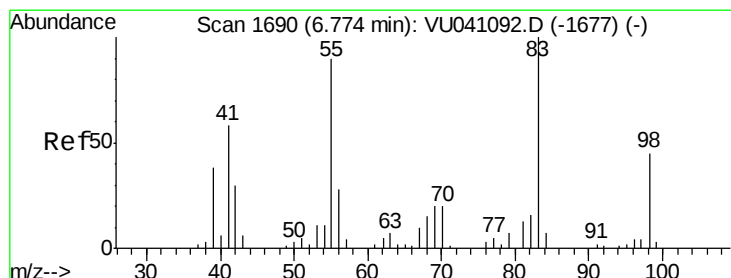
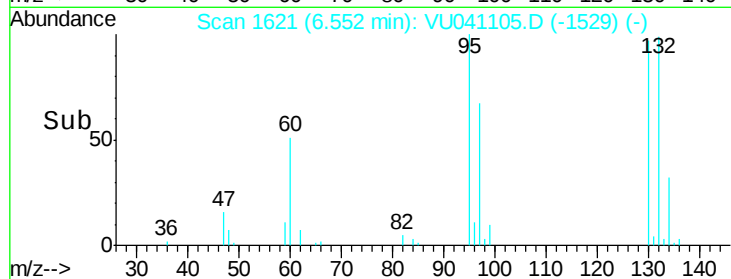
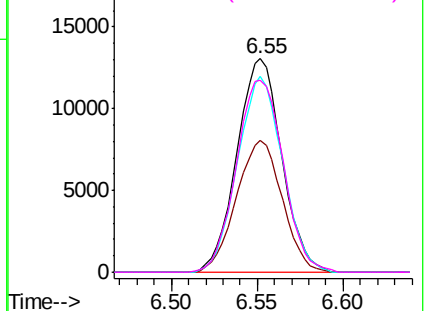
#34
 Trichloroethene
 Concen: 5.336 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 23703
 Ion Ratio Lower Upper
 95 100
 97 61.5 45.6 84.6
 132 91.6 64.8 120.4
 130 89.8 64.8 120.4

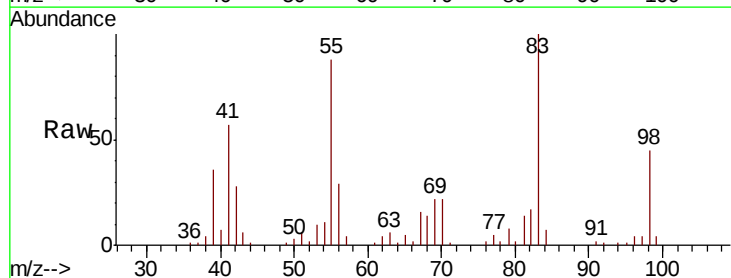


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

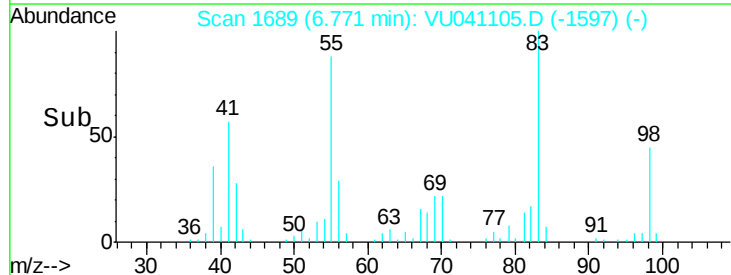
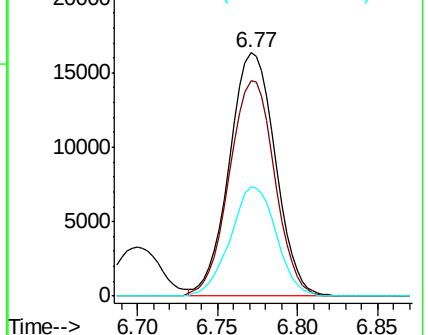


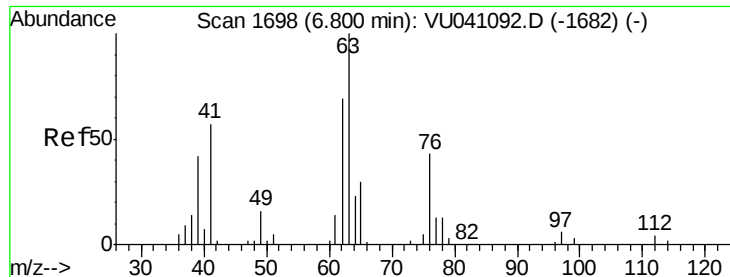
#35
 Methylcyclohexane
 Concen: 4.856 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 83 Resp: 32179
 Ion Ratio Lower Upper
 83 100
 55 87.3 72.0 108.0
 98 44.6 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

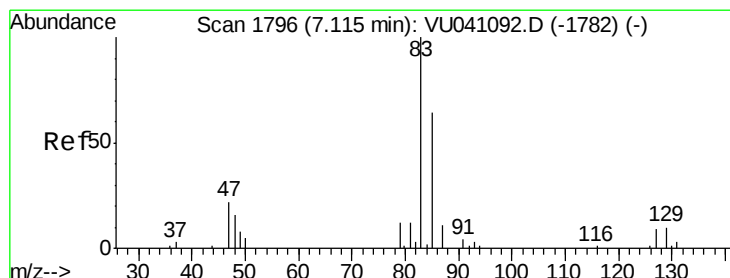
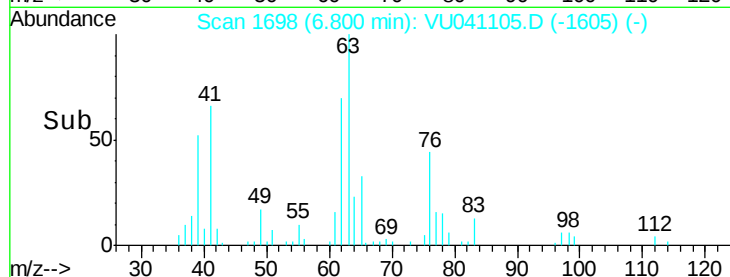
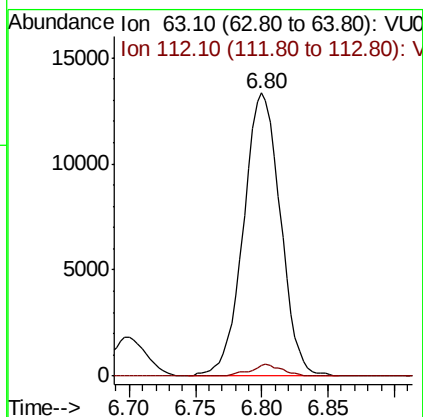
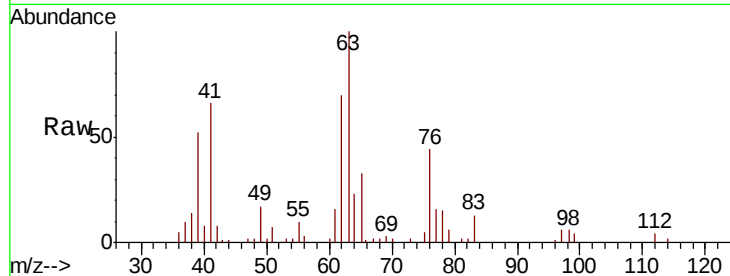




#37
 1,2-Dichloropropane
 Concen: 5.480 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

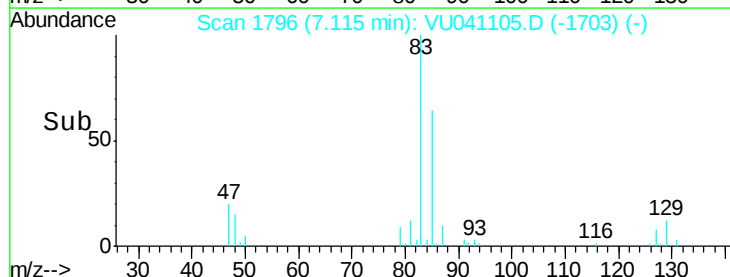
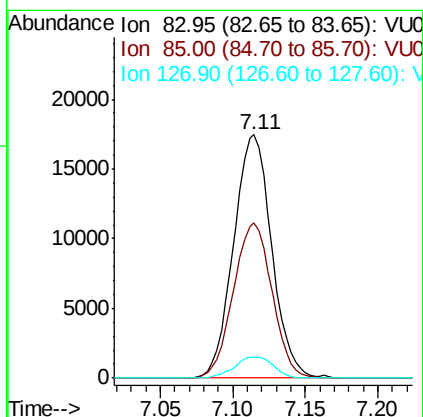
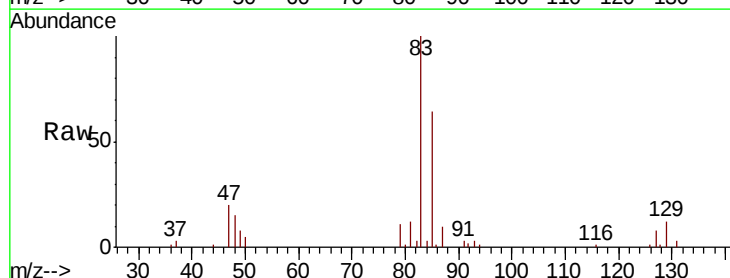
Instrument :
 MSVOA_U
 ClientSampled :

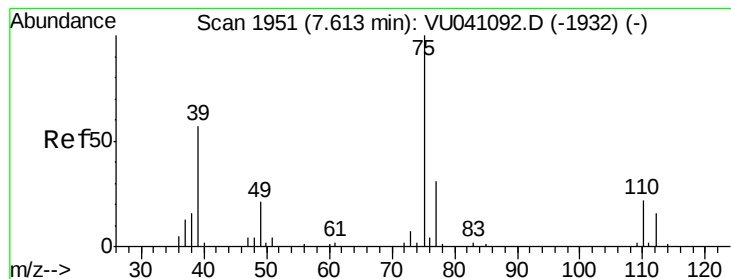
Tot Ion: 63 Resp: 25885
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.201 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 83 Resp: 31867
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.3 80.3
 127 8.4 5.9 8.9



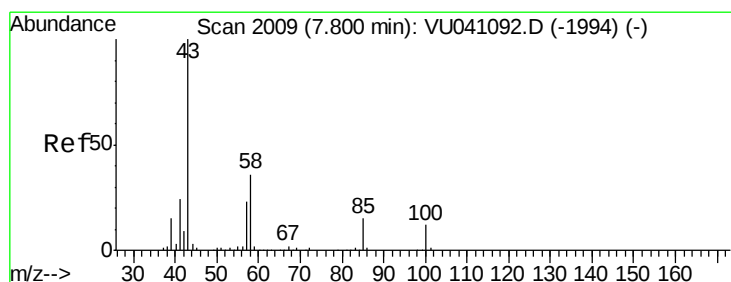
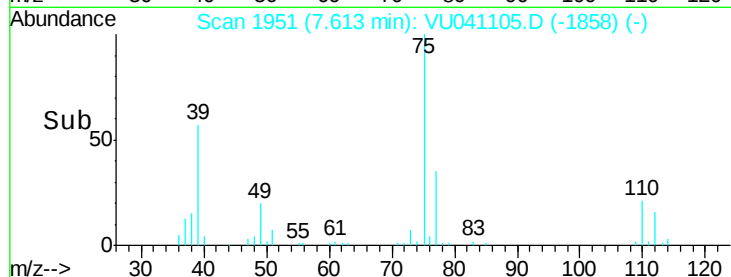
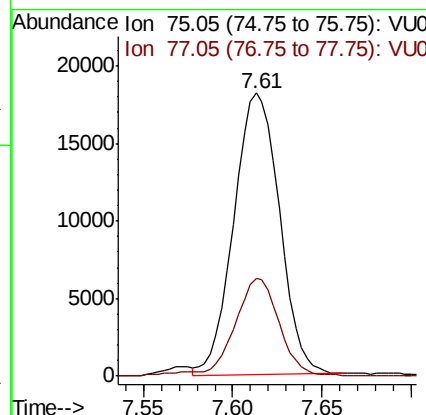
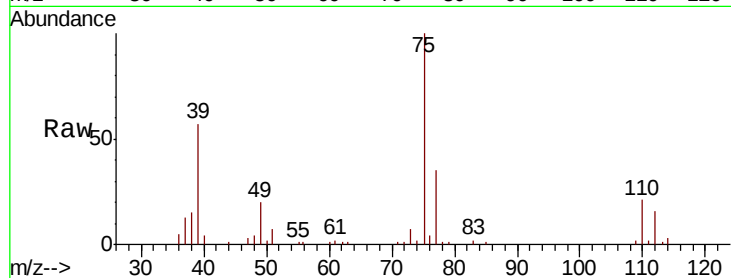


#39

cis-1,3-Dichloropropene
 Concen: 4.973 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

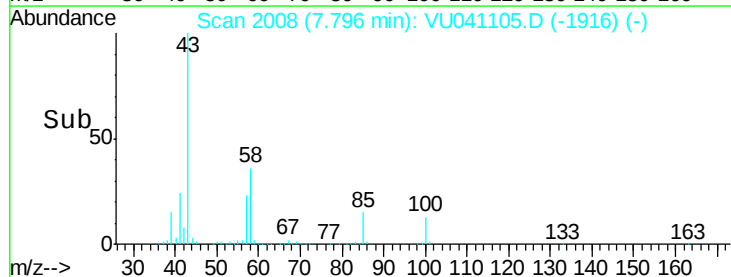
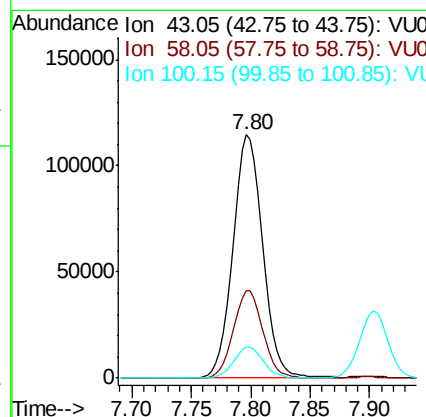
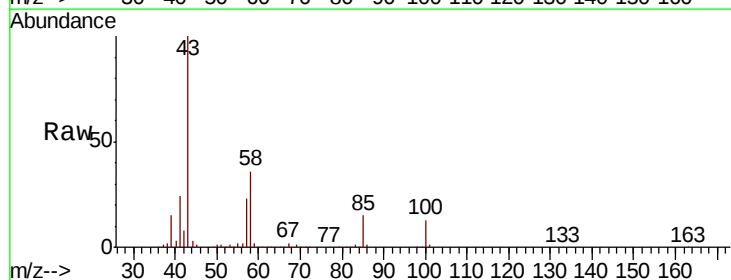
Tot Ion: 75 Resp: 32337
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.7 42.3

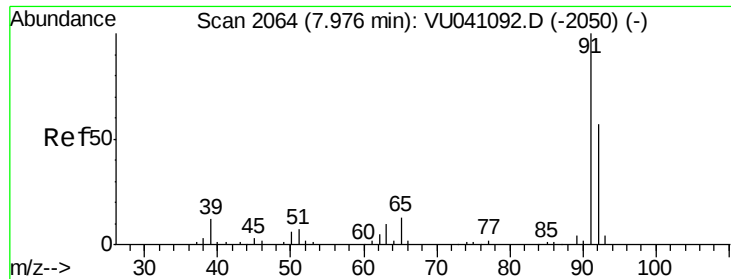


#40

4-Methyl-2-pentanone
 Concen: 52.899 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 43 Resp: 199211
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.8 44.6
 100 12.7 10.5 15.7





#42

Toluene

Concen: 5.445 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

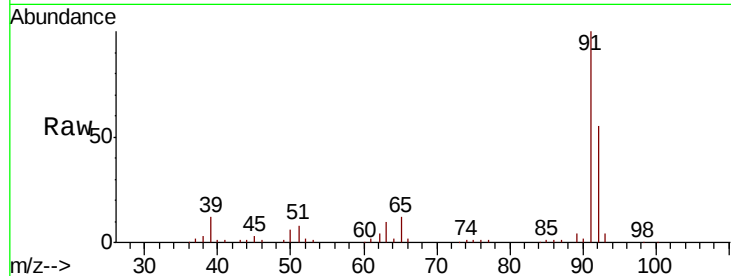
ClientSampleId :

Tot Ion: 91 Resp: 96372

Ion Ratio Lower Upper

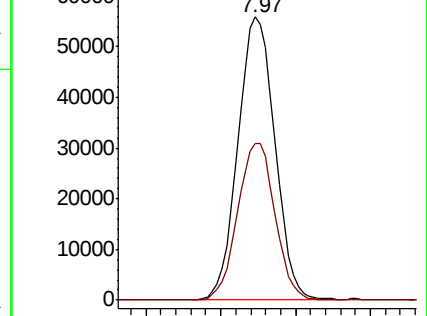
91 100

92 55.5 40.6 75.4

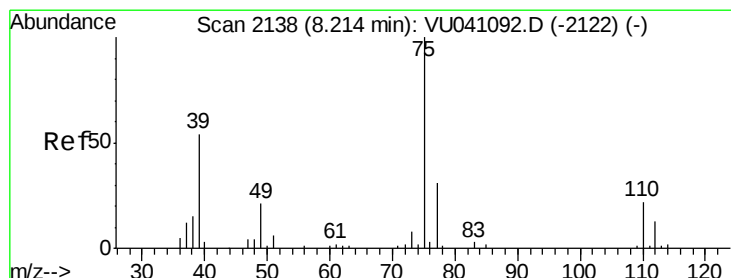
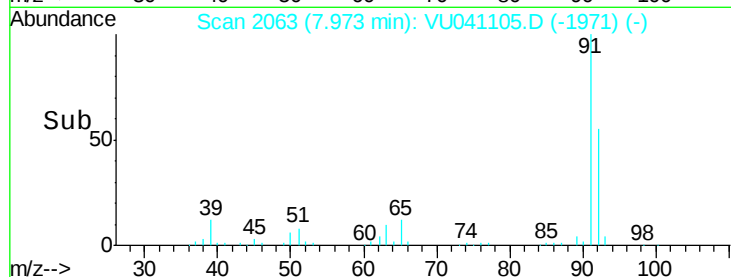


Abundance Ion 91.15 (90.85 to 91.85): VU041105.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU041105.D (-1971) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.339 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041105.D

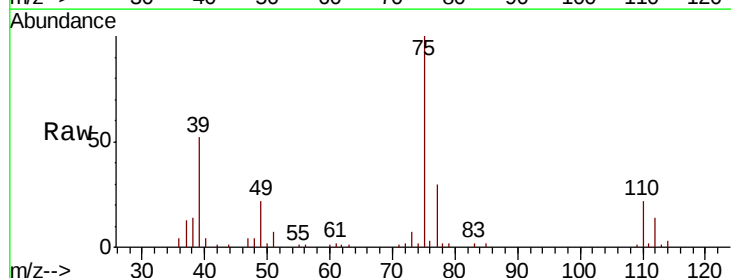
Acq: 05 Nov 2020 13:51

Tgt Ion: 75 Resp: 32495

Ion Ratio Lower Upper

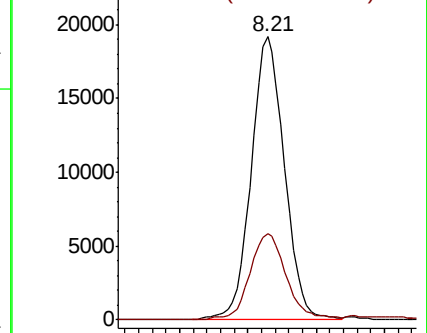
75 100

77 30.5 23.3 43.3

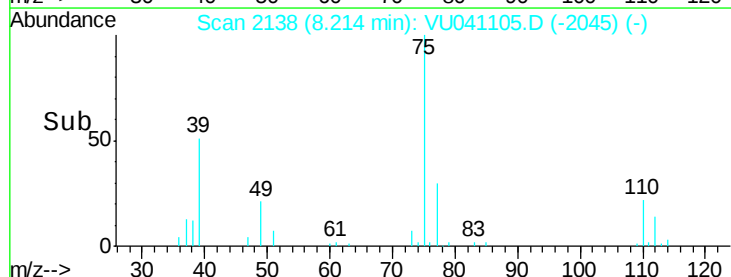


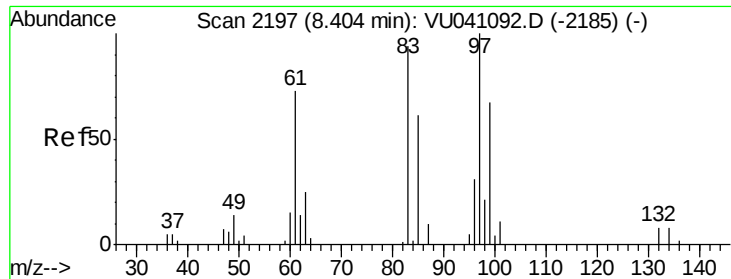
Abundance Ion 75.05 (74.75 to 75.75): VU041105.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041105.D (-2045) (-)



Time-->

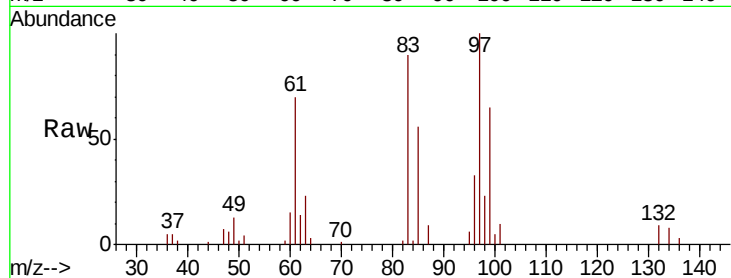




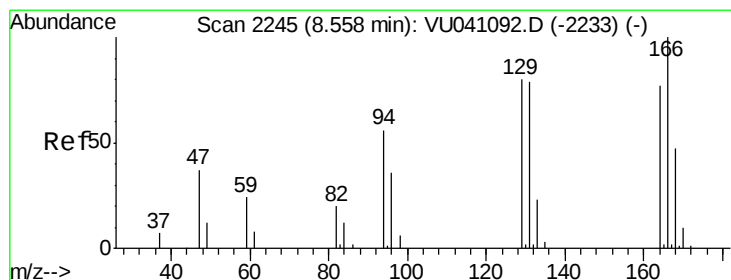
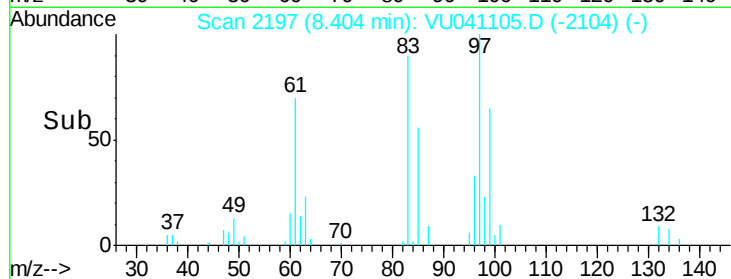
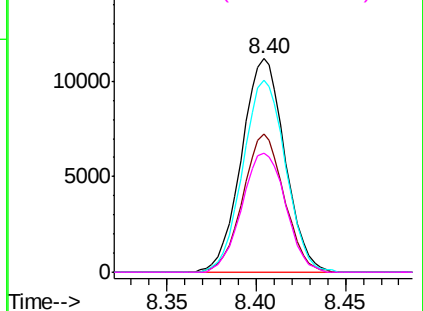
#45
1,1,2-Trichloroethane
Concen: 5.413 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	19031
Ion	Ratio	Lower	Upper
97	100		
99	64.9	45.8	85.2
83	90.1	67.9	126.1
85	55.8	42.8	79.6

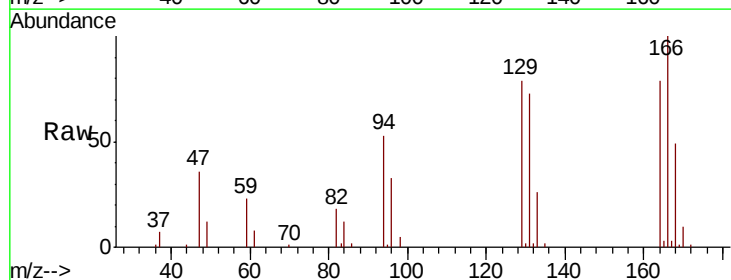


Abundance Ion 96.95 (96.65 to 97.65): VU041105.D (-2197) (-)
Ion 99.05 (98.75 to 99.75): VU041105.D (-2197) (-)
Ion 82.95 (82.65 to 83.65): VU041105.D (-2197) (-)
Ion 85.00 (84.70 to 85.70): VU041105.D (-2197) (-)

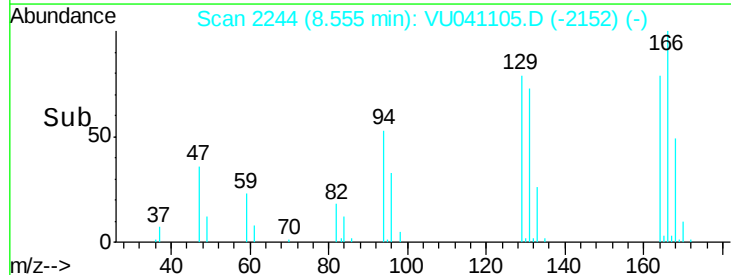
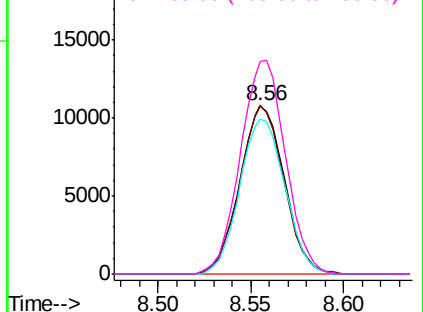


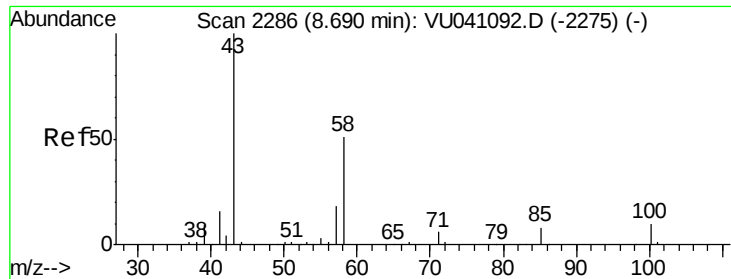
#47
Tetrachloroethene
Concen: 5.485 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion:	164	Resp:	17917
Ion	Ratio	Lower	Upper
164	100		
129	100.6	70.3	130.7
131	92.5	70.8	131.4
166	126.8	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041105.D (-2245) (-)
Ion 128.95 (128.65 to 129.65): VU041105.D (-2245) (-)
Ion 130.95 (130.65 to 131.65): VU041105.D (-2245) (-)
Ion 165.90 (165.60 to 166.60): VU041105.D (-2245) (-)

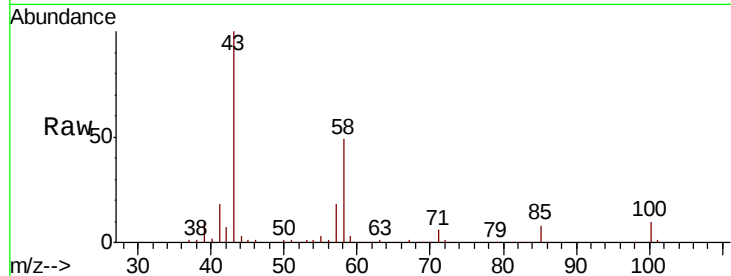




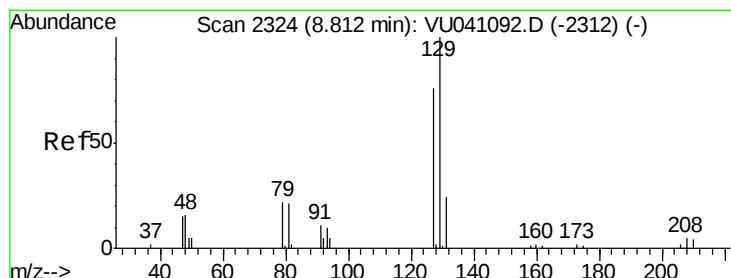
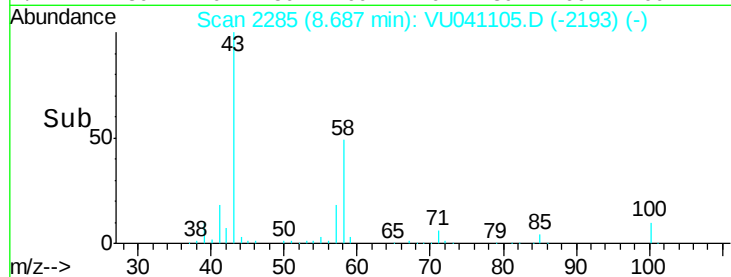
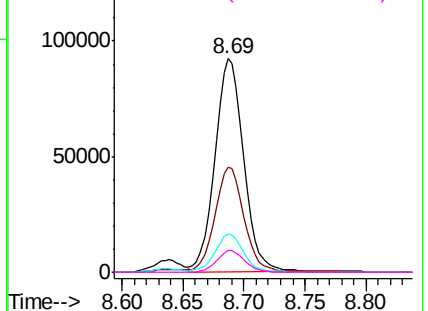
#48
2-Hexanone
Concen: 53.694 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 152253
Ion Ratio Lower Upper
43 100
58 49.9 41.4 62.2
57 17.9 14.6 21.8
100 9.9 8.3 12.5

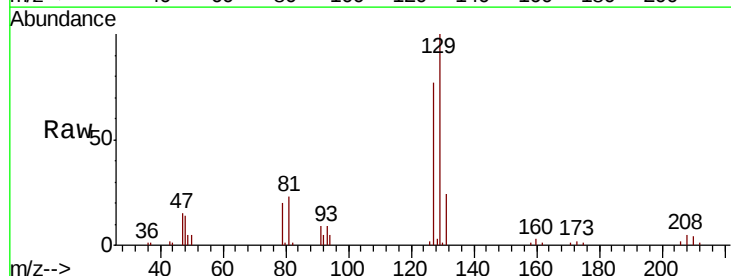


Abundance Ion 43.05 (42.75 to 43.75): VU041105.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041105.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041105.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041105.D (-2193) (-)

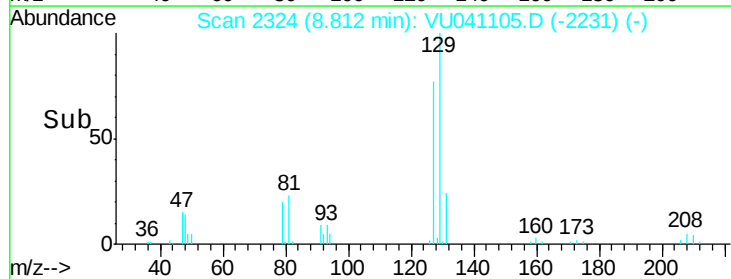
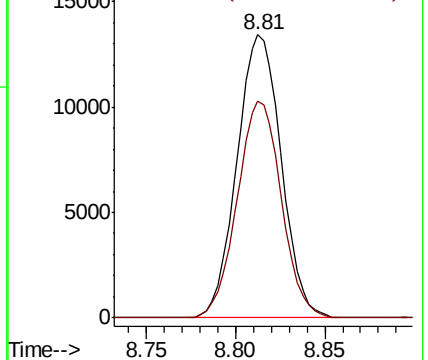


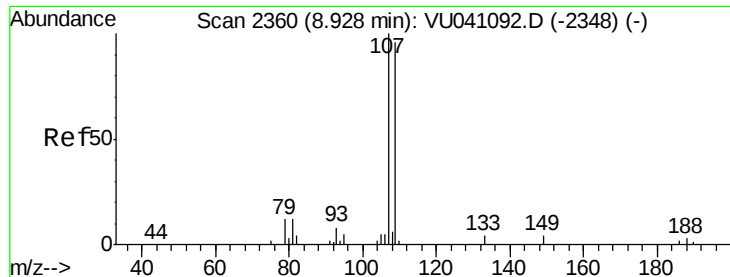
#49
Dibromochloromethane
Concen: 5.681 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion: 129 Resp: 23197
Ion Ratio Lower Upper
129 100
127 76.7 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041105.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041105.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 5.469 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampled :

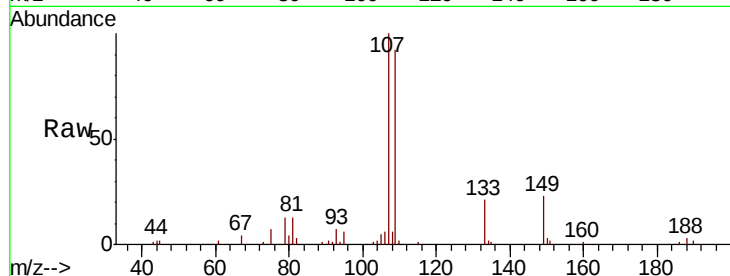
Tot Ion:107 Resp: 18323

Ion Ratio Lower Upper

107 100

109 91.8 65.6 121.8

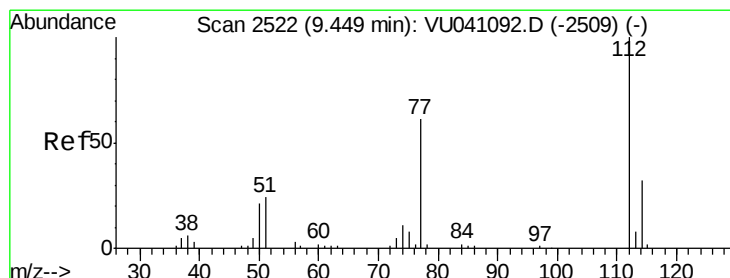
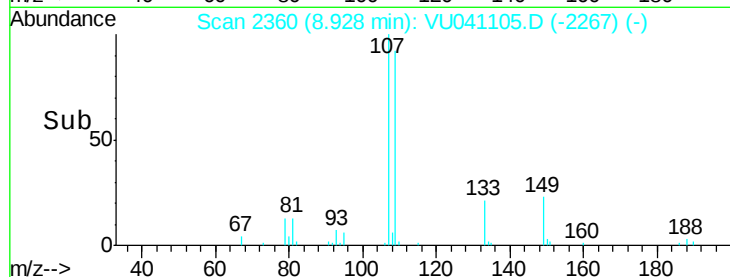
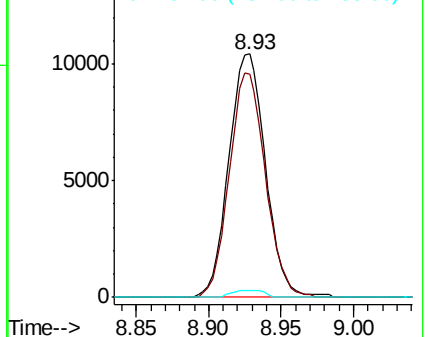
188 3.0 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.391 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

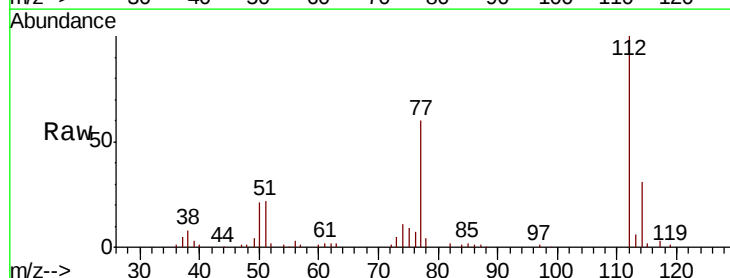
Tgt Ion:112 Resp: 60505

Ion Ratio Lower Upper

112 100

114 31.2 22.4 41.6

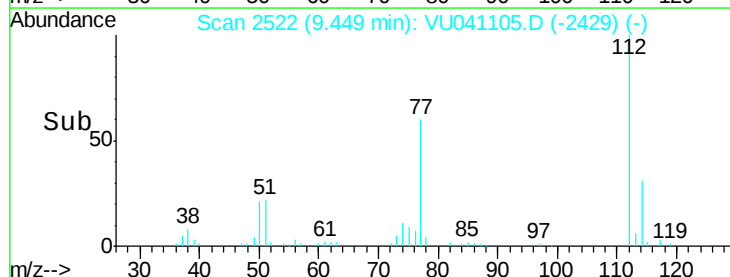
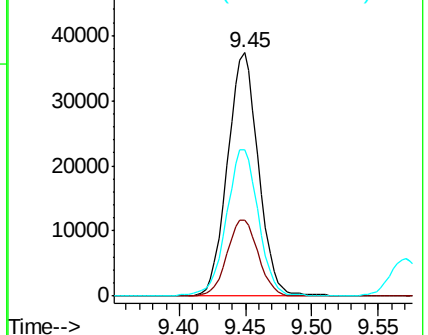
77 60.3 51.2 76.8

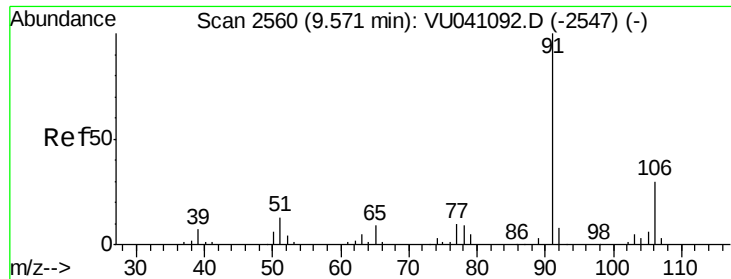


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.241 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

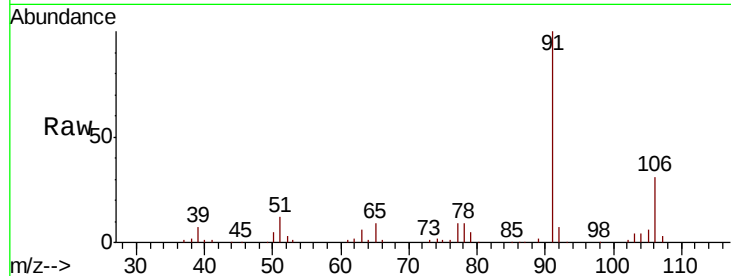
ClientSampleId :

Tot Ion: 91 Resp: 97642

Ion Ratio Lower Upper

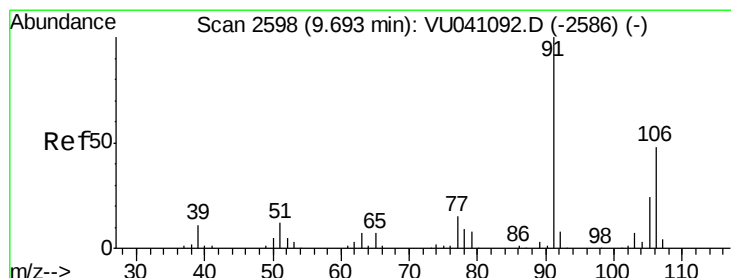
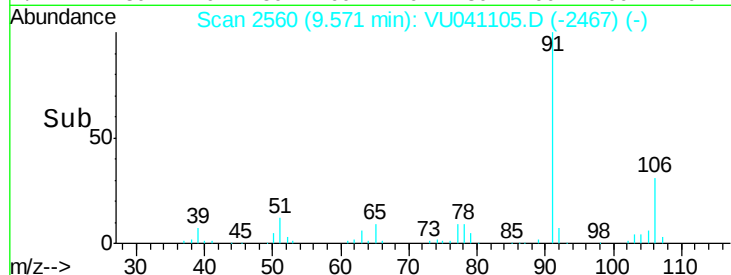
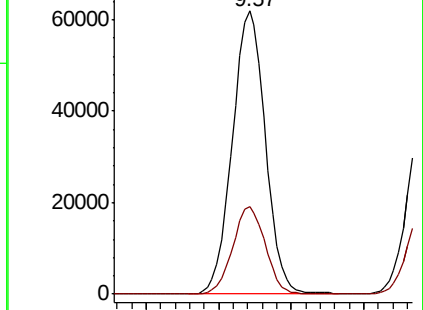
91 100

106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041105.D (-2467) (-)

Ion 106.15 (105.85 to 106.85): VU041105.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.490 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041105.D

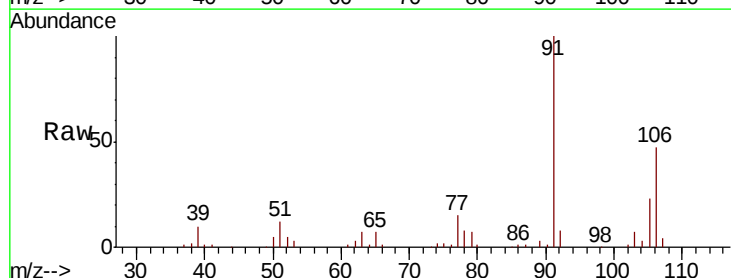
Acq: 05 Nov 2020 13:51

Tgt Ion: 106 Resp: 37306

Ion Ratio Lower Upper

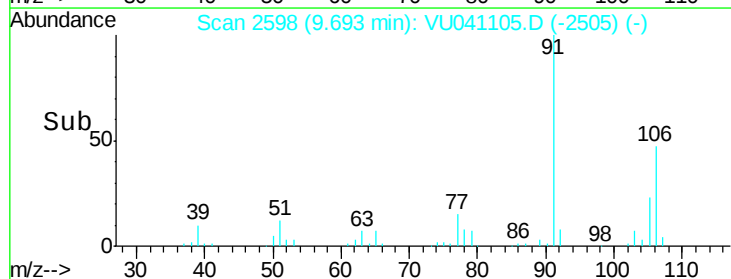
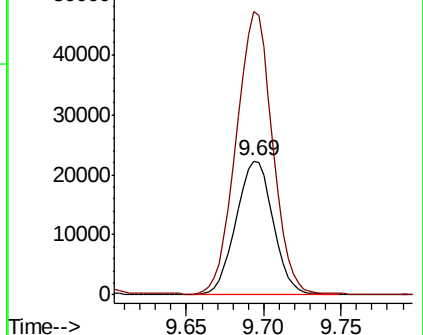
106 100

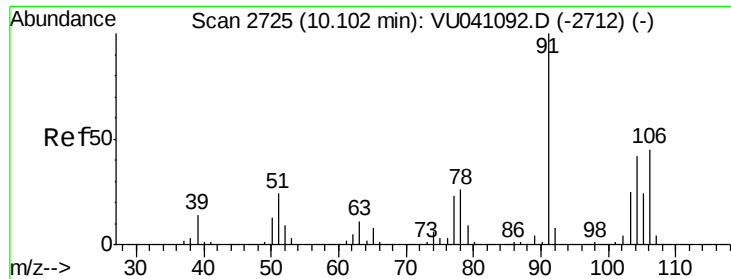
91 211.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041105.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU041105.D (-2505) (-)

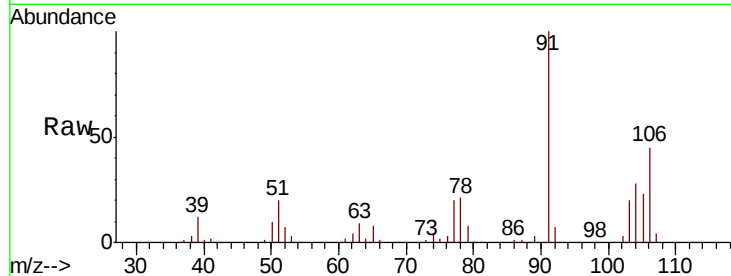




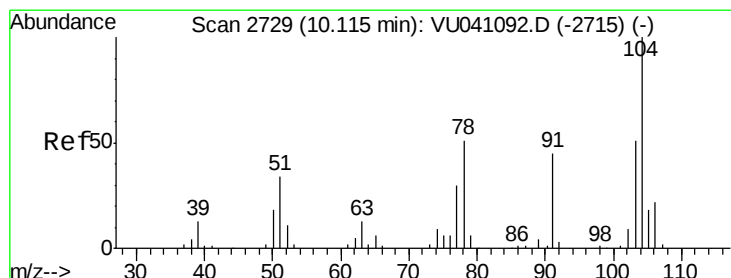
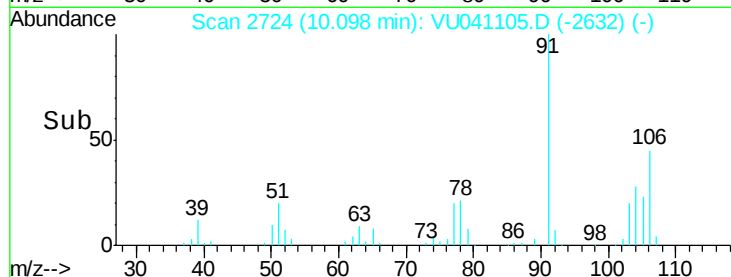
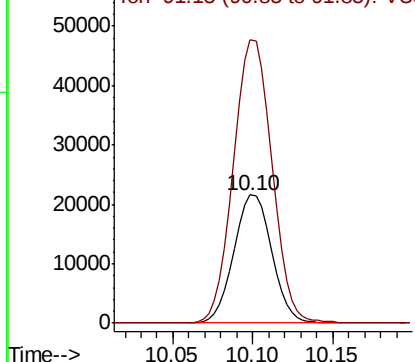
#54
o-Xylene
Concen: 5.519 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 34924
Ion Ratio Lower Upper
106 100
91 221.2 154.3 286.5

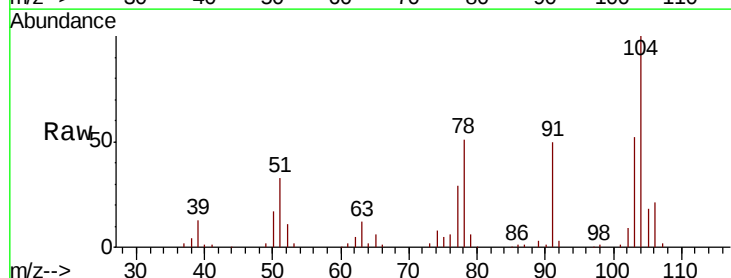


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

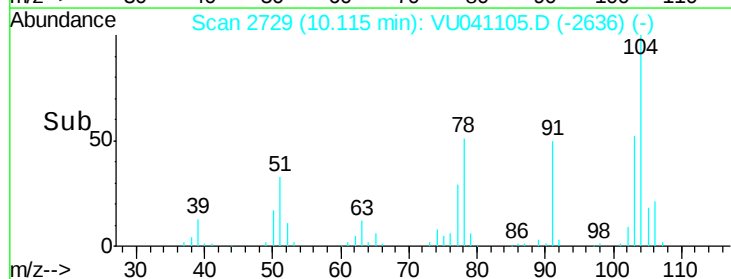
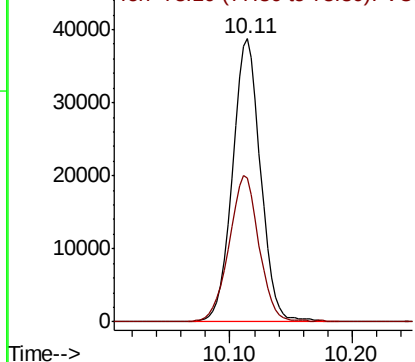


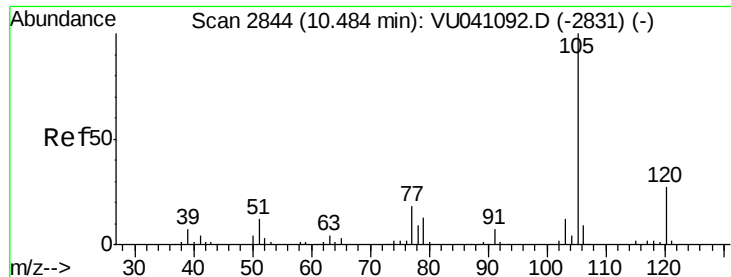
#55
Styrene
Concen: 5.499 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041105.D
Acq: 05 Nov 2020 13:51

Tgt Ion:104 Resp: 61999
Ion Ratio Lower Upper
104 100
78 50.7 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: 5.614 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

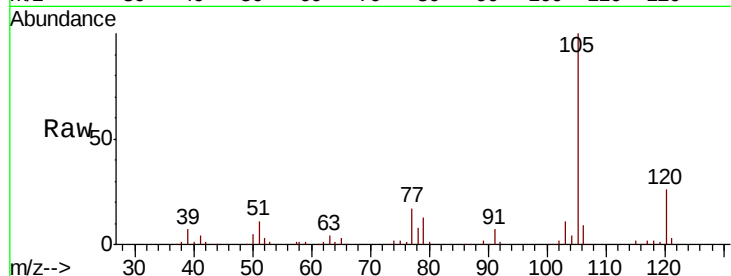
Tot Ion:105 Resp: 95536

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

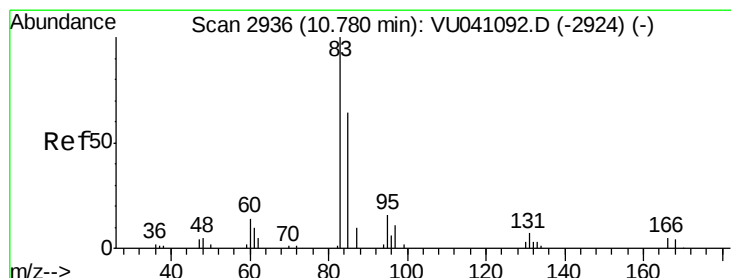
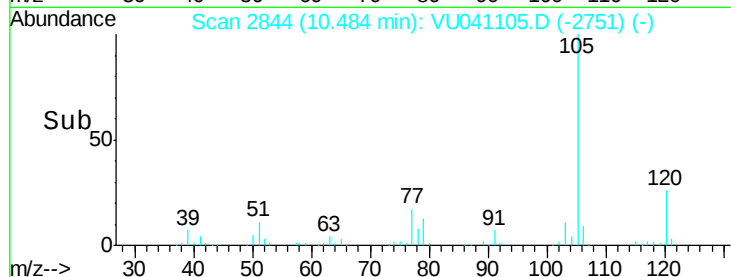
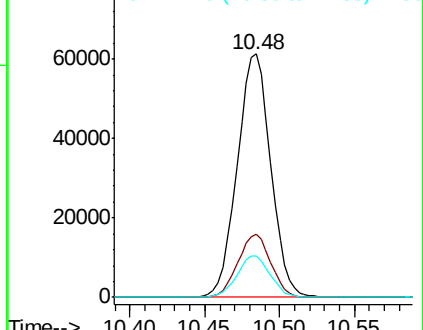
77 16.9 13.8 20.6



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: 5.359 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

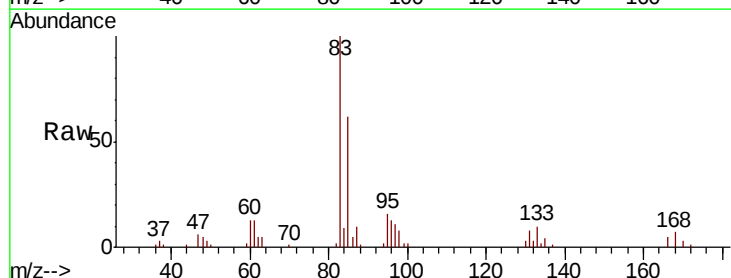
Tgt Ion: 83 Resp: 24745

Ion Ratio Lower Upper

83 100

85 62.2 44.4 82.4

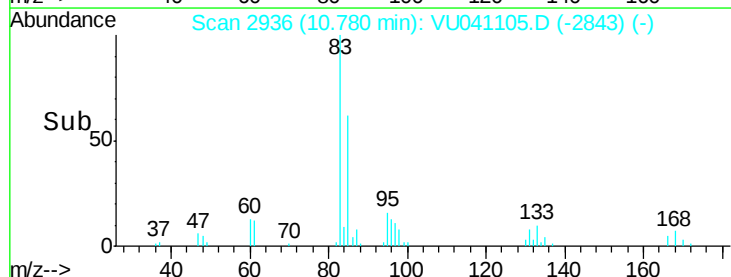
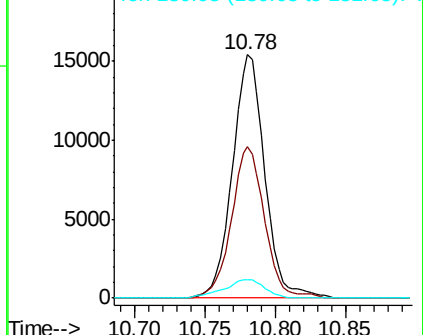
131 7.7 7.7 11.5#

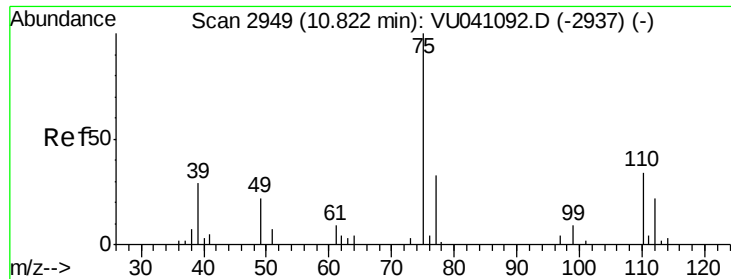


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

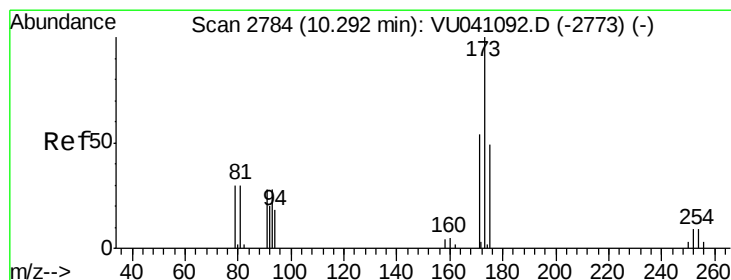
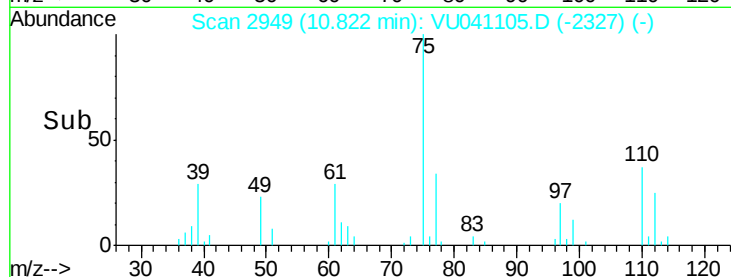
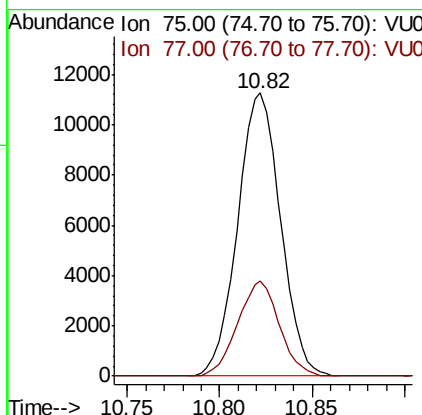
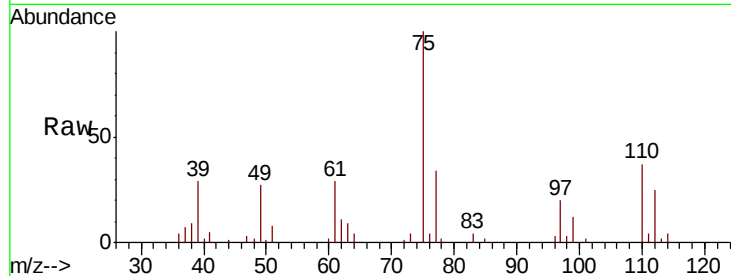




#59
 1,2,3-Trichloropropane
 Concen: 5.153 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

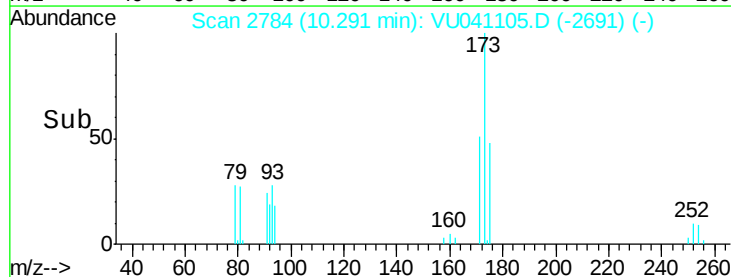
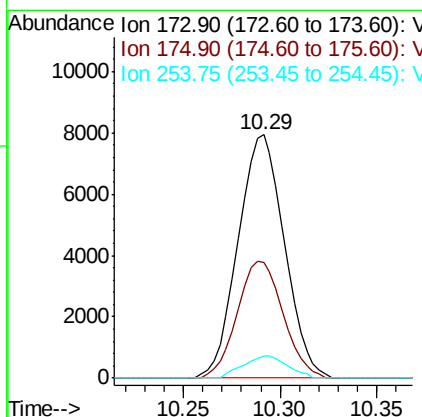
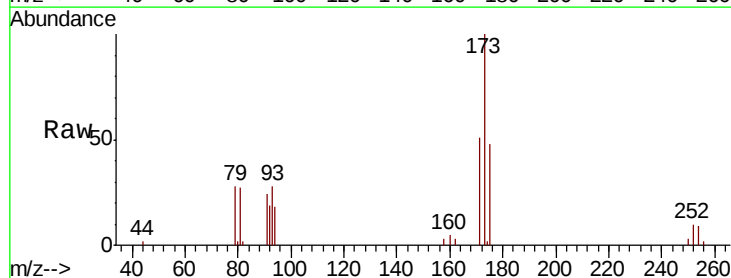
Instrument :
 MSVOA_U
 ClientSampled :

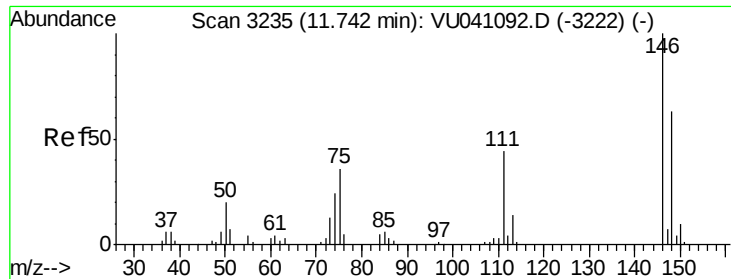
Tot Ion: 75 Resp: 18140
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 5.579 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion: 173 Resp: 13205
 Ion Ratio Lower Upper
 173 100
 175 47.7 37.6 56.4
 254 8.8 6.6 9.8

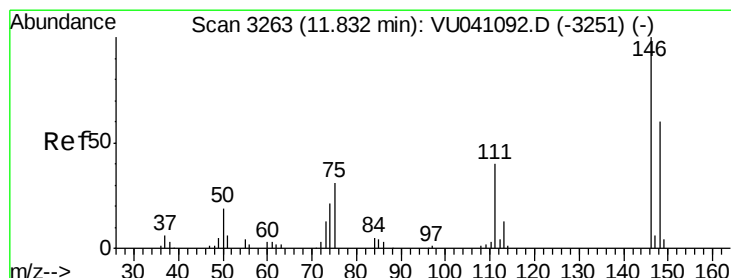
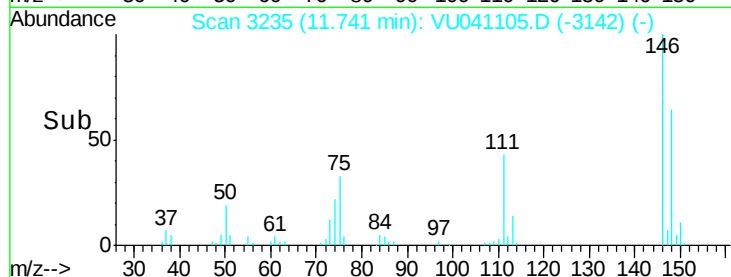
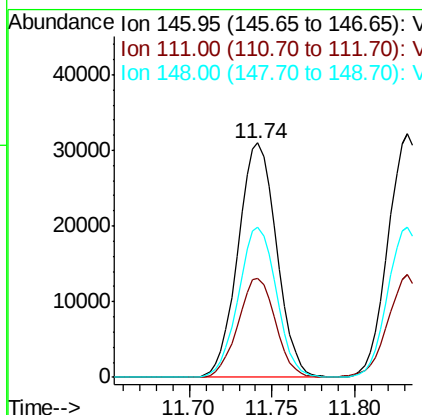
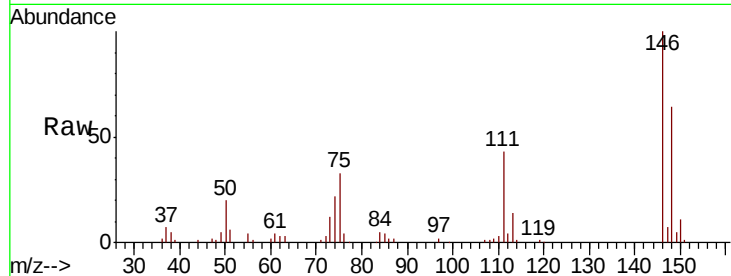




#62
 1,3-Dichlorobenzene
 Concen: 5.637 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

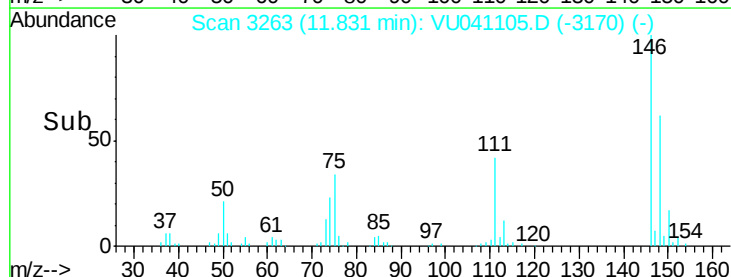
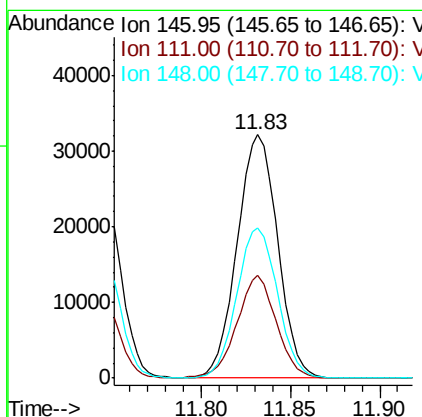
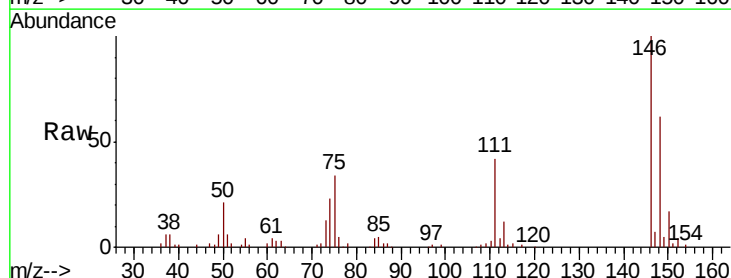
Instrument :
 MSVOA_U
 ClientSampleId :

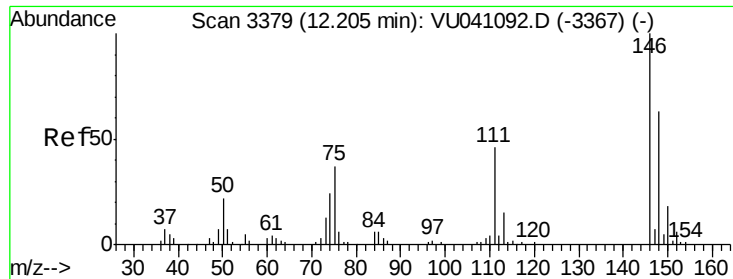
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	30.9	57.3
148	64.1	45.8	85.2



#63
 1,4-Dichlorobenzene
 Concen: 5.544 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.3	52.7
148	61.6	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 5.491 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

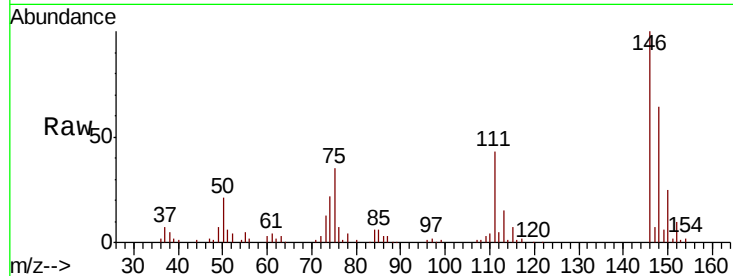
Tot Ion:146 Resp: 48038

Ion Ratio Lower Upper

146 100

111 43.1 35.0 52.6

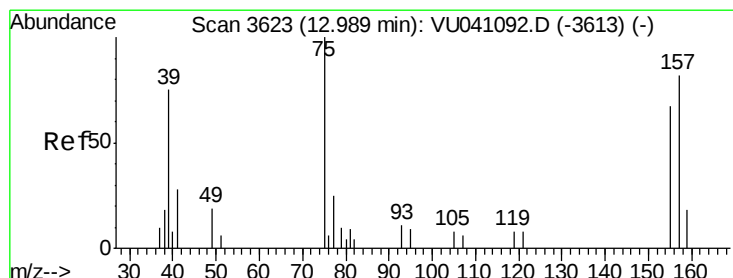
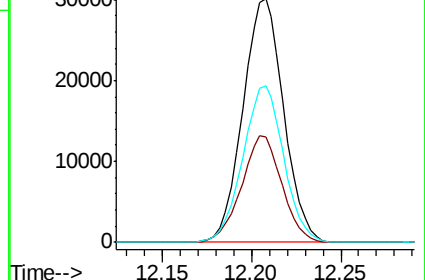
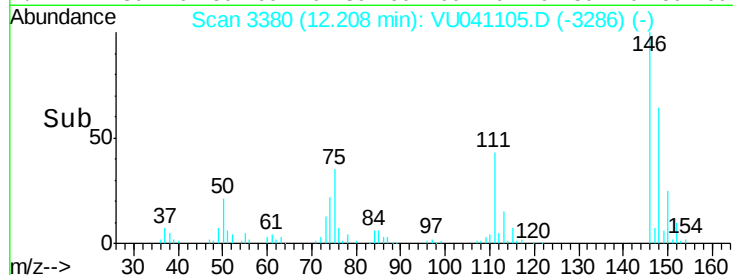
148 64.5 52.0 78.0



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: 5.191 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

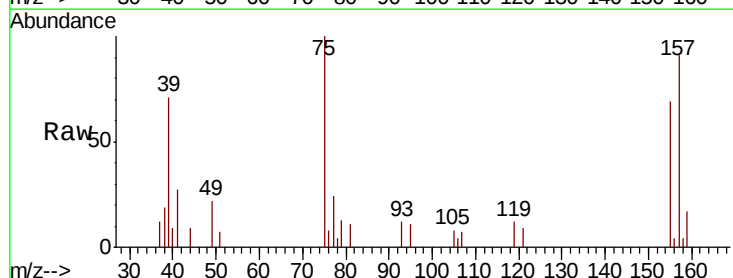
Tgt Ion: 75 Resp: 4451

Ion Ratio Lower Upper

75 100

155 68.7 61.4 92.2

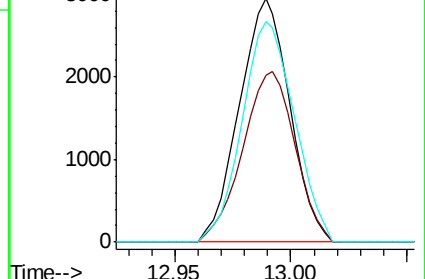
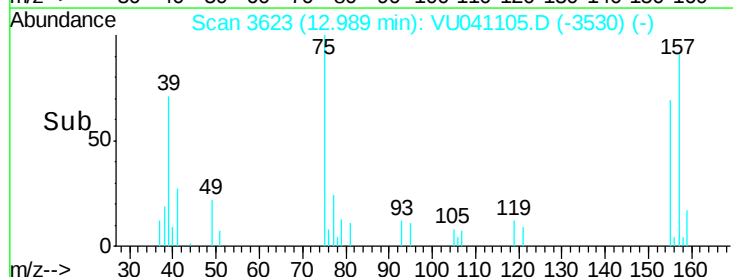
157 90.7 74.2 111.4

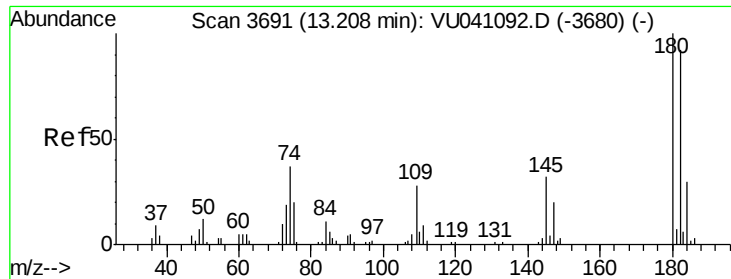


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

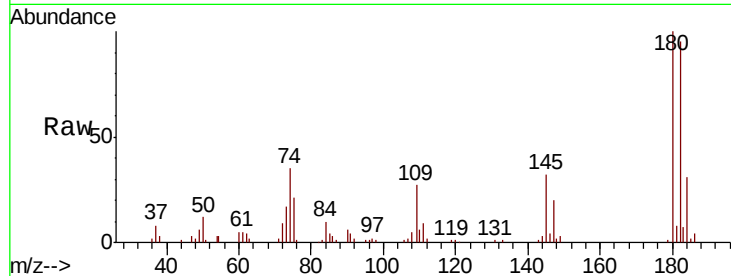




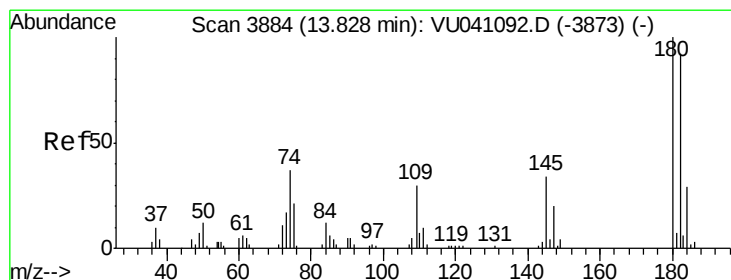
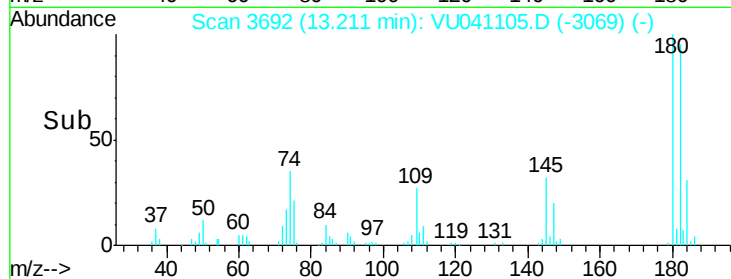
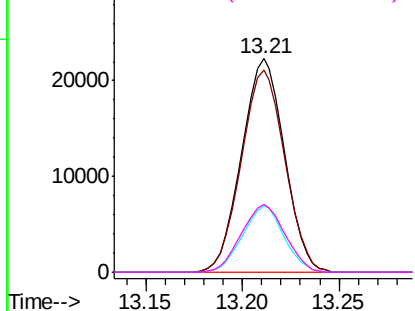
#67
 1,3,5-Trichlorobenzene
 Concen: 5.553 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 34432
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 184 30.1 23.7 35.5
 145 32.1 26.1 39.1

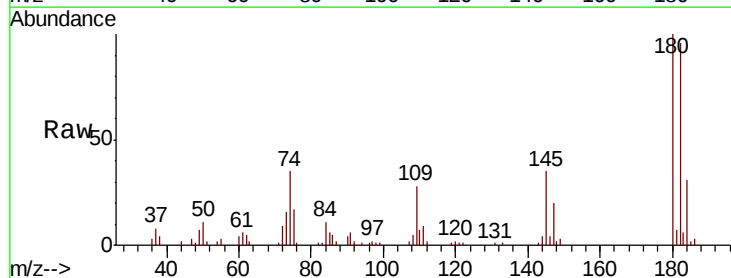


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

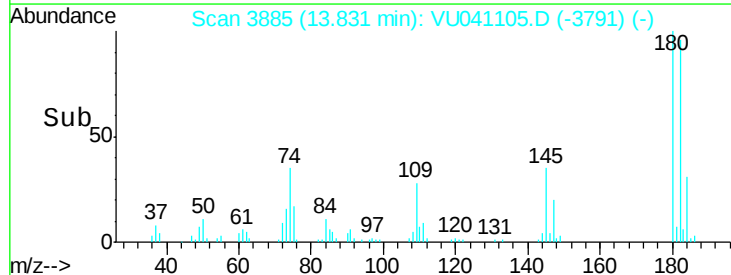
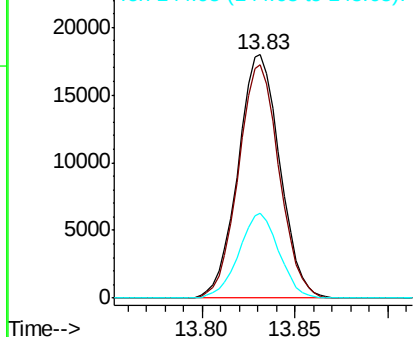


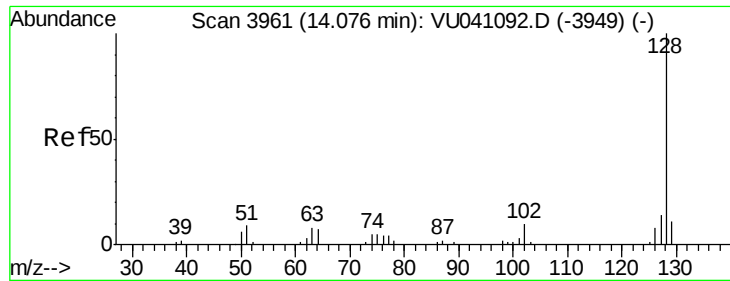
#68
 1,2,4-trichlorobenzene
 Concen: 5.470 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041105.D
 Acq: 05 Nov 2020 13:51

Tgt Ion:180 Resp: 28096
 Ion Ratio Lower Upper
 180 100
 182 93.5 73.5 110.3
 145 33.3 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: 4.868 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

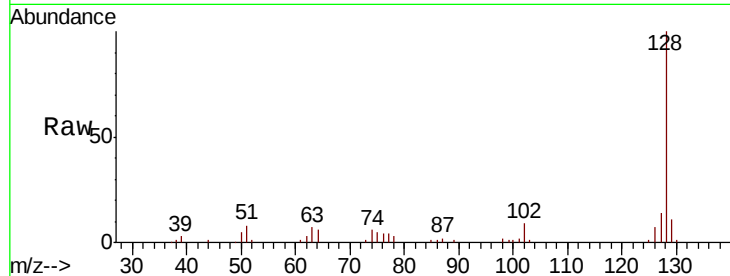
Tot Ion:128 Resp: 44712

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

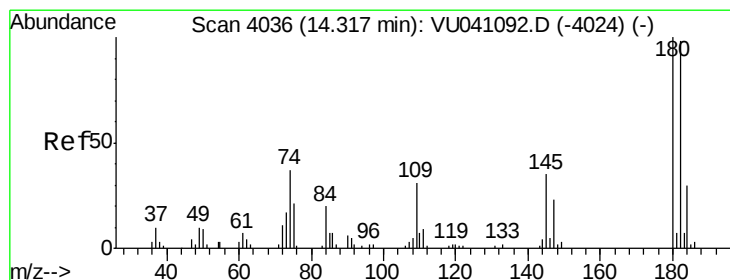
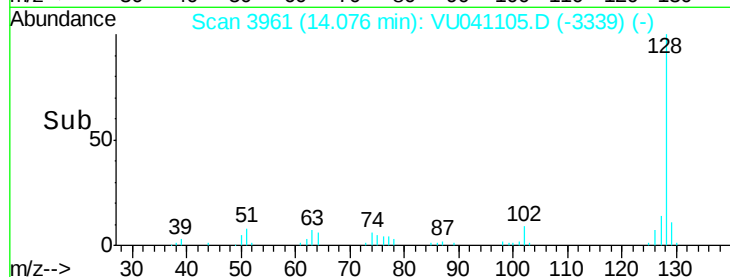
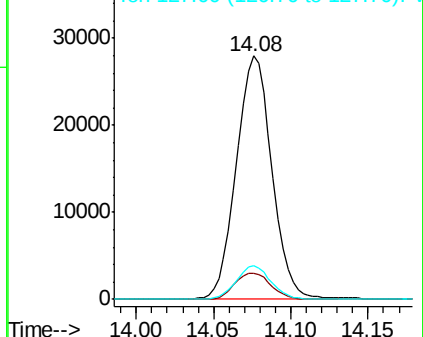
127 13.4 10.8 16.2



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: 5.738 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041105.D

Acq: 05 Nov 2020 13:51

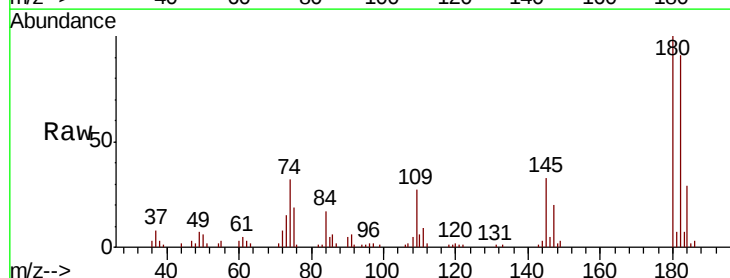
Tgt Ion:180 Resp: 27165

Ion Ratio Lower Upper

180 100

182 96.2 77.7 116.5

145 33.7 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

