

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040026.D
 Acq On : 02 Sep 2020 16:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:22:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112906	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114276	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27091	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.92	69	24775	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.58	63	77019	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.66	46	131735	53.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.86%
24) Chloroform-d	5.08	84	72895	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	42161	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	129027	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	44032	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	115954	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.19	79	18826	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.64	63	98872	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39413	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45040	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55280	4.933	ug/L 100
3) Chloromethane	1.53	50	55806	5.202	ug/L 100
5) Vinyl chloride	1.61	62	55566	5.109	ug/L 95
6) Bromomethane	1.87	94	31662	5.696	ug/L 96
8) Chloroethane	1.94	64	32552	4.980	ug/L 97
9) Trichlorofluoromethane	2.15	101	80475	5.166	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	51627	5.112	ug/L 99
12) 1,1-Dichloroethene	2.59	96	45344	5.190	ug/L 92
13) Acetone	2.66	43	124196	54.411	ug/L 98
14) Carbon disulfide	2.81	76	138427	4.941	ug/L 100
15) Methyl Acetate	2.97	43	30827	5.381	ug/L 94
16) Methylene chloride	3.06	84	55631	4.862	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	132693	5.039	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	47308	5.033	ug/L 97
19) 1,1-Dichloroethane	3.89	63	100228	5.180	ug/L 99
21) 2-Butanone	4.74	43	200824	53.891	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	53648	5.308	ug/L 99

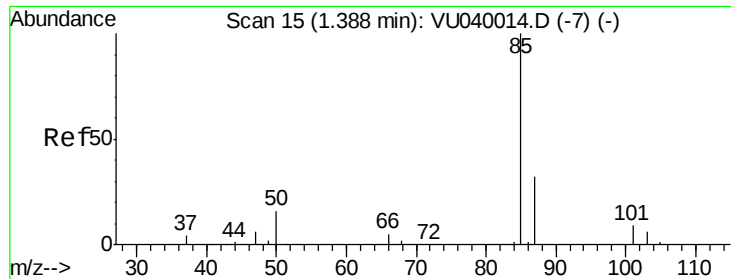
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040026.D
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 Operator : SY/MD
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	23130	5.223	ug/L	94
25) Chloroform	5.11	83	102628	5.180	ug/L	99
27) 1,2-Dichloroethane	5.81	62	74136	5.107	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	87246	4.863	ug/L	98
30) Cyclohexane	5.40	56	84224	4.841	ug/L	97
31) Carbon tetrachloride	5.54	117	74054	4.823	ug/L	100
33) Benzene	5.79	78	204989	5.014	ug/L	100
34) Trichloroethene	6.55	95	54085	4.932	ug/L	97
35) Methylcyclohexane	6.77	83	80310	4.783	ug/L	98
37) 1,2-Dichloropropane	6.80	63	56650	5.118	ug/L	100
38) Bromodichloromethane	7.11	83	74624	4.938	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	80482	4.930	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	478654	52.700	ug/L	100
42) Toluene	7.98	91	215410	5.116	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	74819	4.946	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	41532	5.150	ug/L	97
47) Tetrachloroethene	8.56	164	35253	4.894	ug/L	96
48) 2-Hexanone	8.69	43	353383	53.340	ug/L	100
49) Dibromochloromethane	8.81	129	49722	5.137	ug/L	99
50) 1,2-Dibromoethane	8.93	107	38624	4.968	ug/L	92
51) Chlorobenzene	9.45	112	135672	5.190	ug/L	98
52) Ethylbenzene	9.57	91	241120	5.041	ug/L	99
53) m,p-Xylene	9.69	106	88318	5.186	ug/L	100
54) o-Xylene	10.10	106	88029	5.424	ug/L	96
55) Styrene	10.11	104	153421	5.436	ug/L	98
56) Isopropylbenzene	10.48	105	236951	5.353	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	53778	5.201	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	42308	5.159	ug/L	98
61) Bromoform	10.29	173	25155	4.588	ug/L	94
62) 1,3-Dichlorobenzene	11.74	146	107758	4.932	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	107738	4.873	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	103114	4.878	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	10289	4.551	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	73017	4.753	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	61598	4.655	ug/L	100
69) Naphthalene	14.08	128	122006	4.423	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	56997	4.689	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.933 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

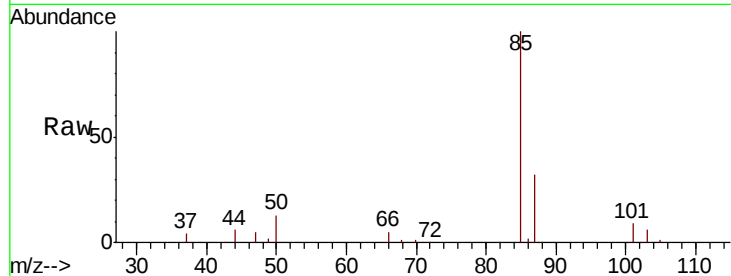
ClientSampled :

Tot Ion: 85 Resp: 55280

Ion Ratio Lower Upper

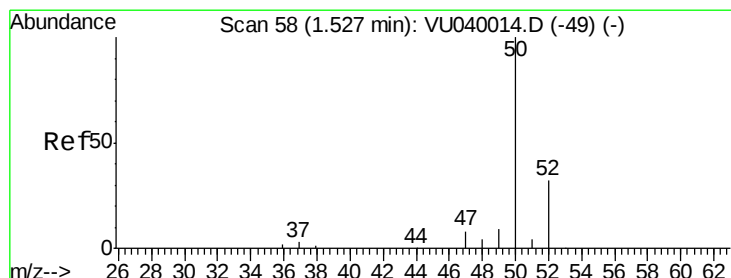
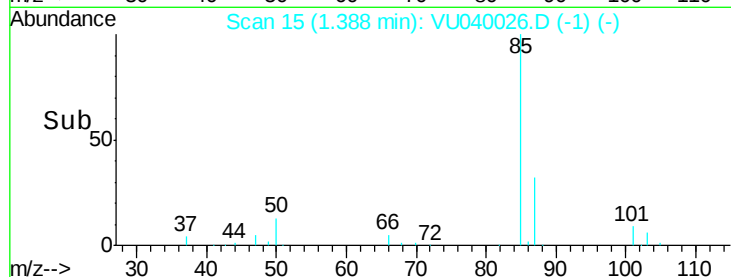
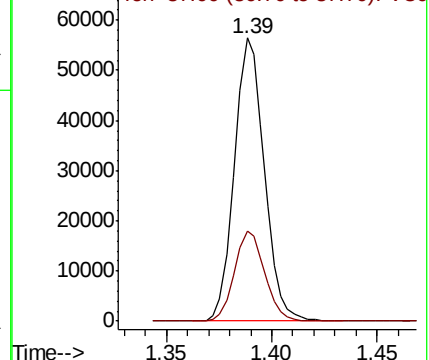
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.202 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040026.D

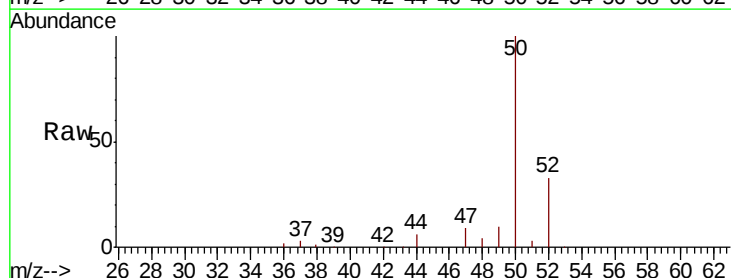
Acq: 02 Sep 2020 16:01

Tgt Ion: 50 Resp: 55806

Ion Ratio Lower Upper

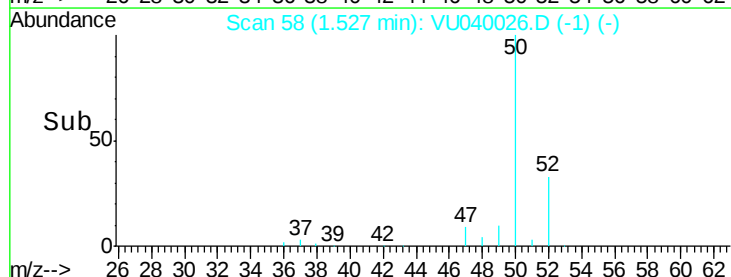
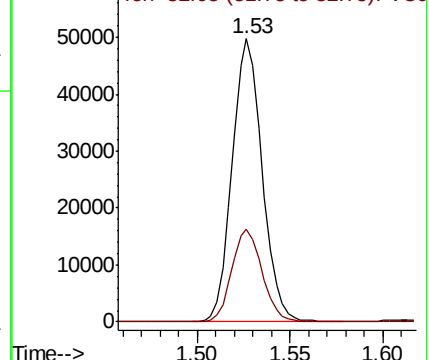
50 100

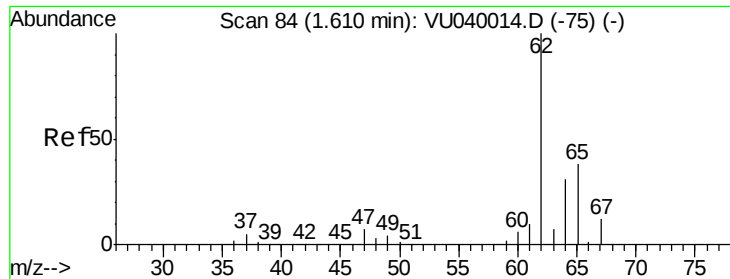
52 32.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.109 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

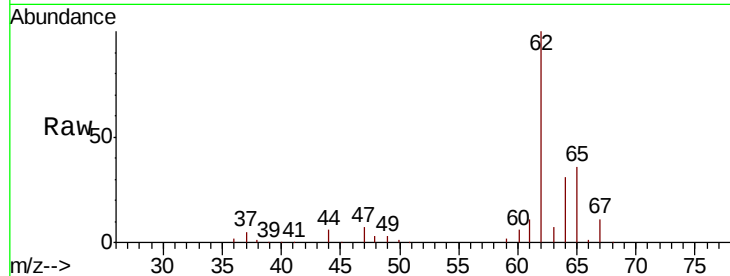
ClientSampled :

Tot Ion: 62 Resp: 55566

Ion Ratio Lower Upper

62 100

64 31.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

50000

40000

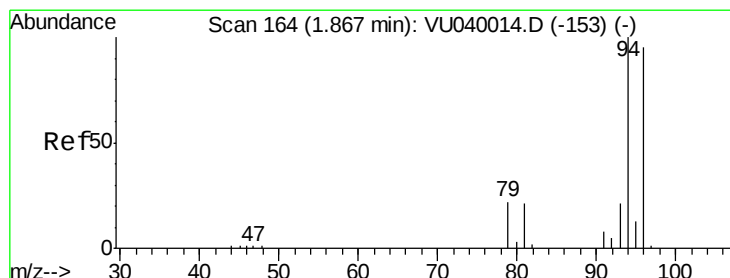
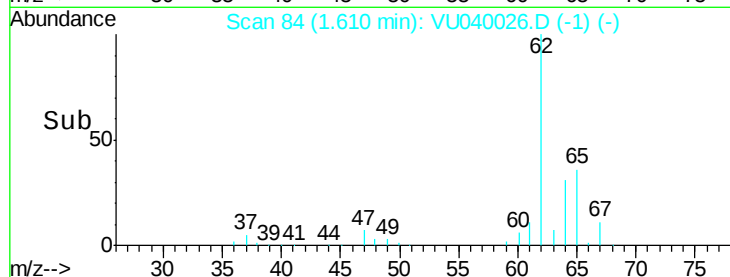
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.696 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040026.D

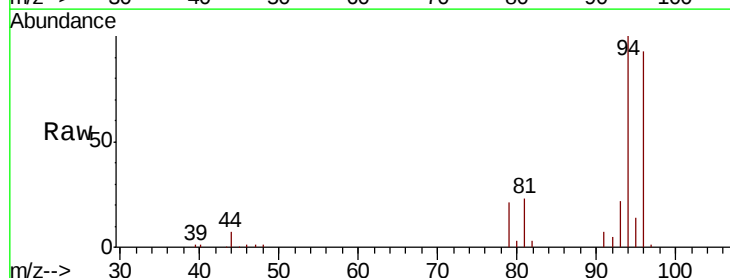
Acq: 02 Sep 2020 16:01

Tgt Ion: 94 Resp: 31662

Ion Ratio Lower Upper

94 100

96 92.5 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

30000

25000

20000

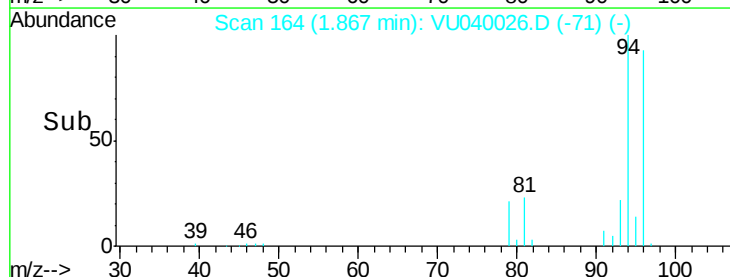
15000

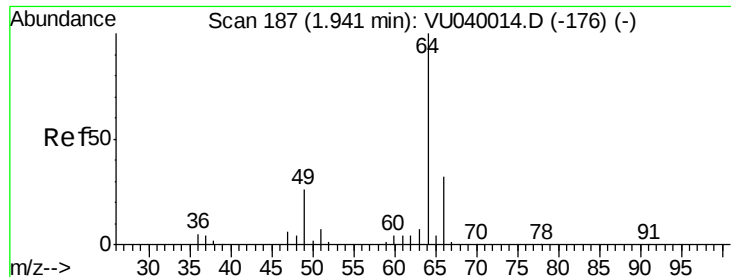
10000

5000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 4.980 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

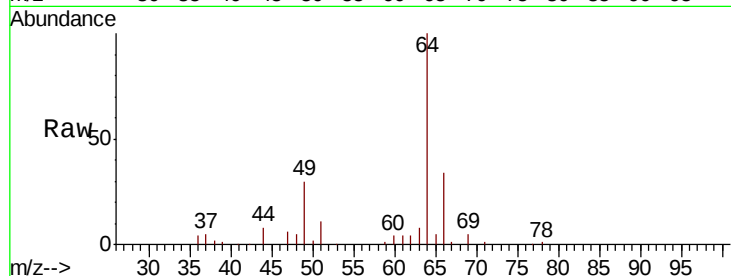
ClientSampleId :

Tot Ion: 64 Resp: 32552

Ion Ratio Lower Upper

64 100

66 34.2 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040014.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040014.D (-176) (-)

1.94

25000

20000

15000

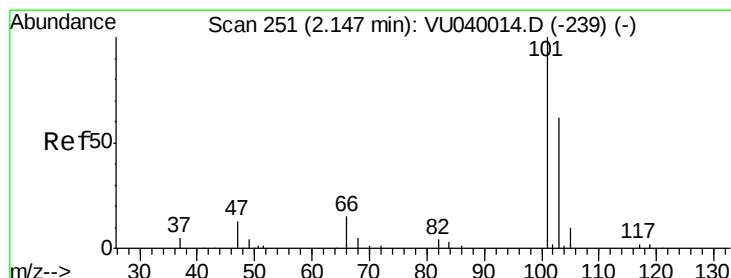
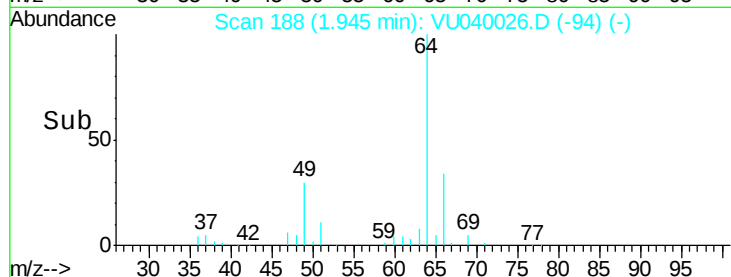
10000

5000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.166 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040026.D

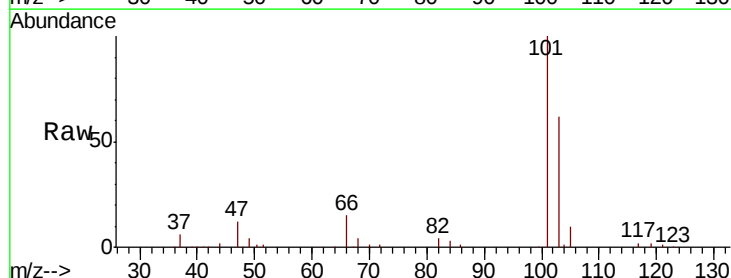
Acq: 02 Sep 2020 16:01

Tgt Ion:101 Resp: 80475

Ion Ratio Lower Upper

101 100

103 65.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040014.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040014.D (-239) (-)

2.15

60000

50000

40000

30000

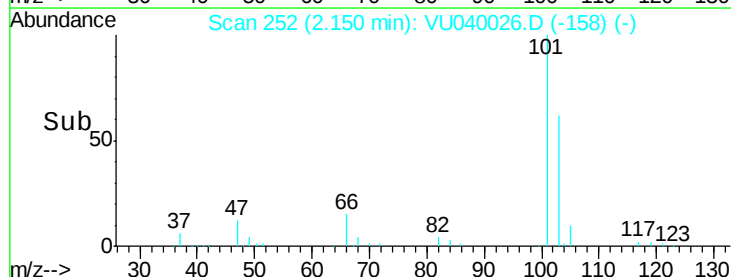
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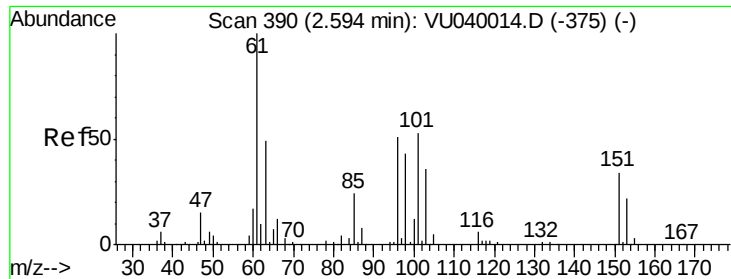
10000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.112 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

ClientSampled :

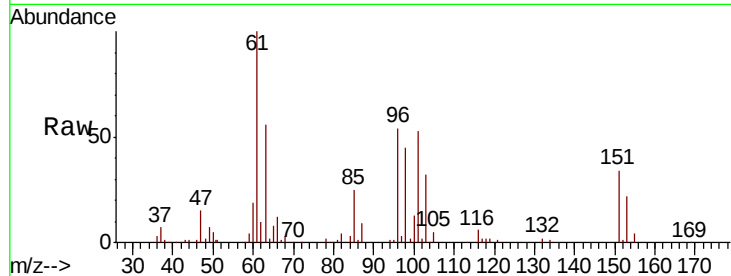
Tot Ion:101 Resp: 51627

Ion Ratio Lower Upper

101 100

85 46.9 37.7 56.5

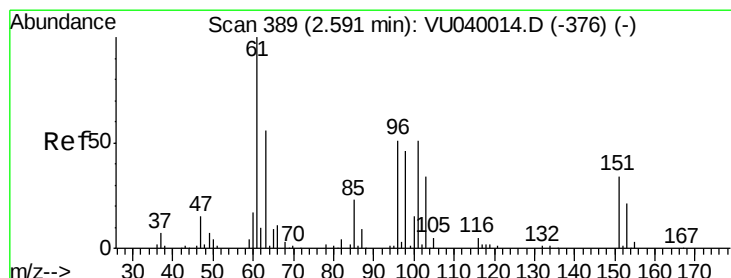
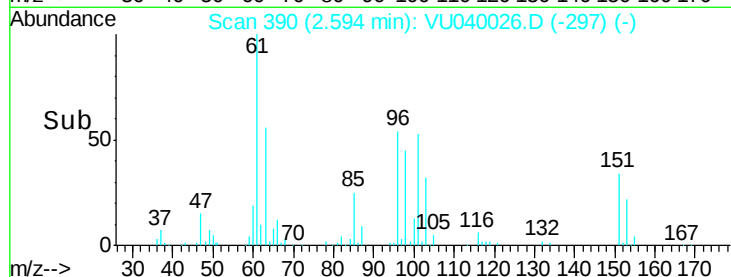
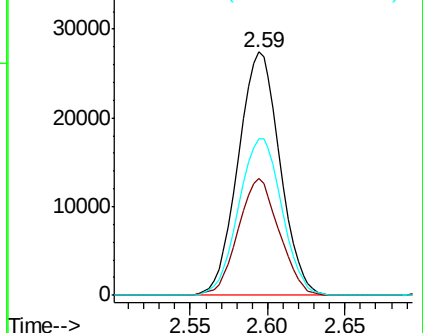
151 66.5 53.9 80.9



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: 5.190 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

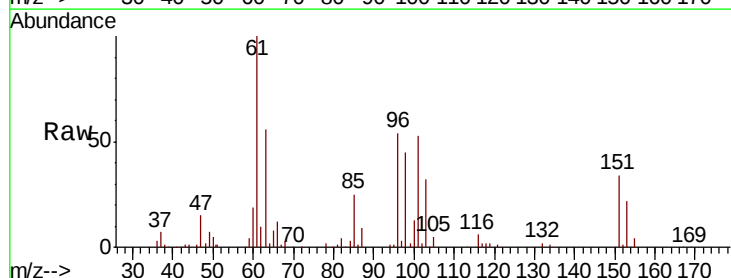
Tgt Ion: 96 Resp: 45344

Ion Ratio Lower Upper

96 100

61 185.3 138.3 256.8

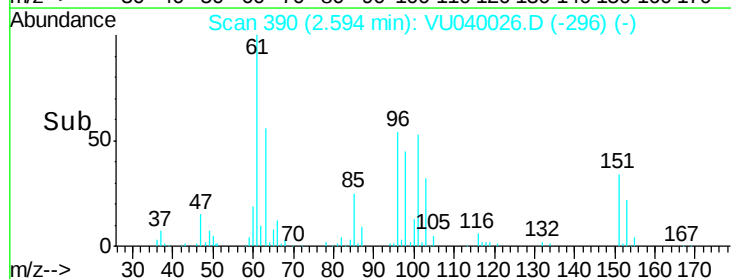
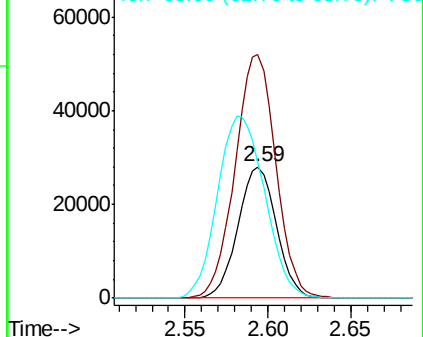
63 103.3 77.6 144.2

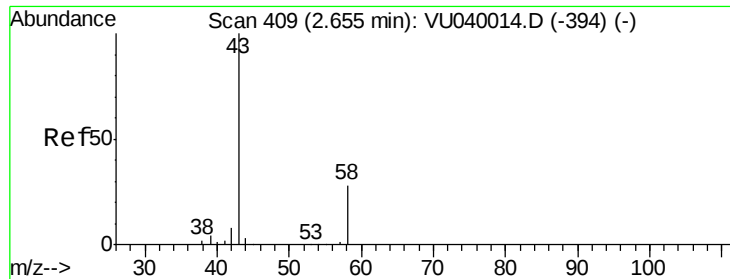


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.411 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

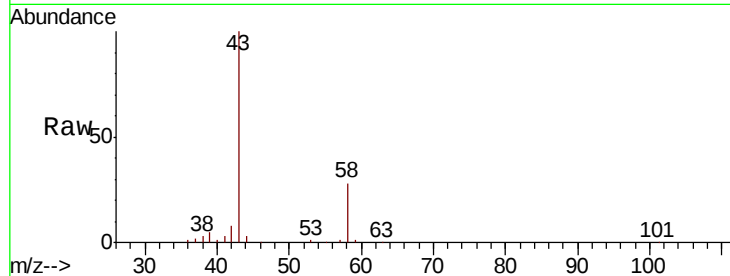
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 124196

Ion Ratio Lower Upper

43 100

58 26.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040014.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU040014.D (-394) (-)

2.66

40000

30000

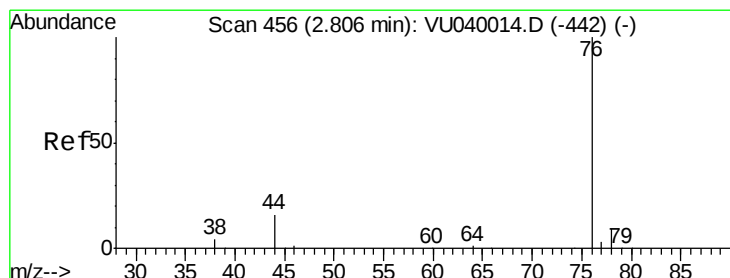
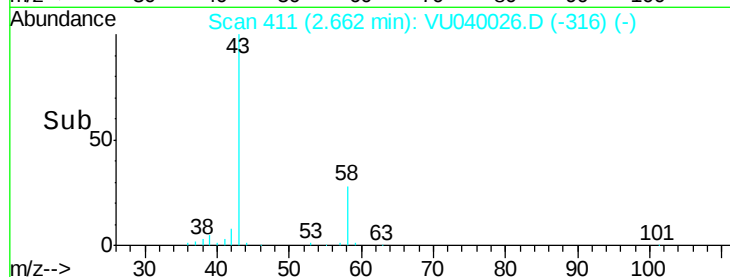
20000

10000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.941 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040026.D

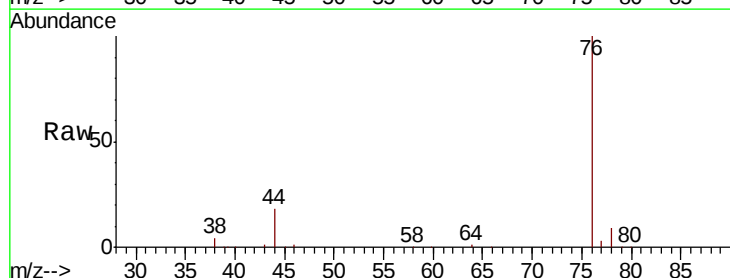
Acq: 02 Sep 2020 16:01

Tgt Ion: 76 Resp: 138427

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040014.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040014.D (-442) (-)

2.81

80000

60000

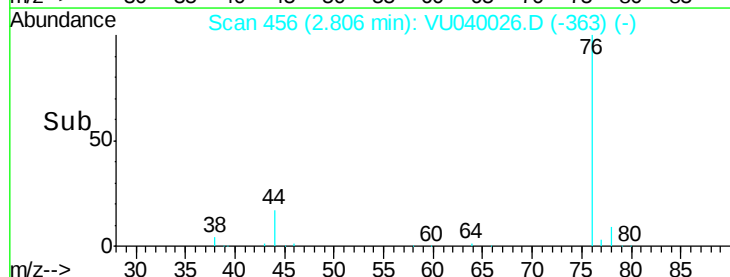
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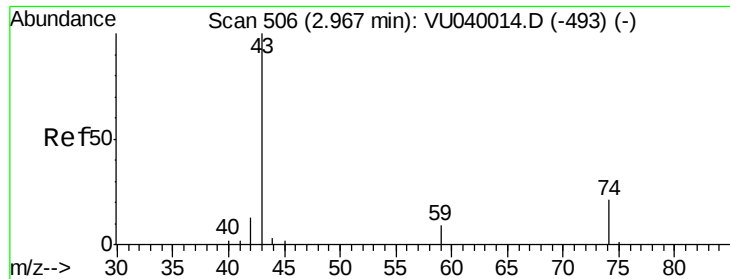
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0

Time-->

2.75 2.80 2.85 2.90

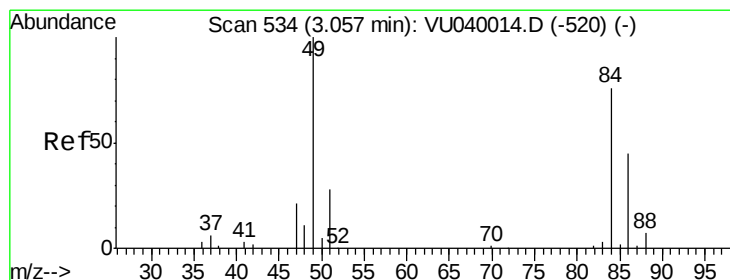
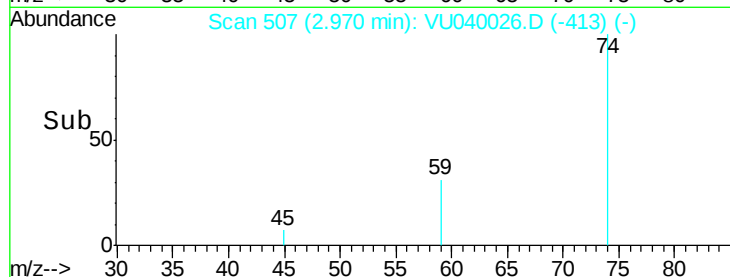
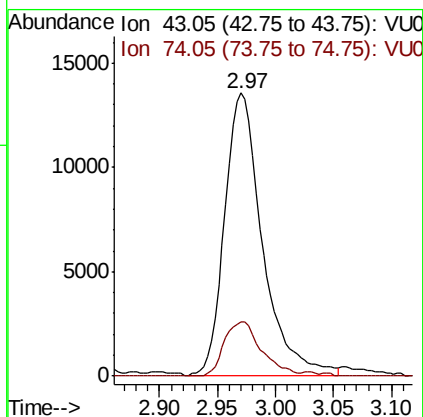
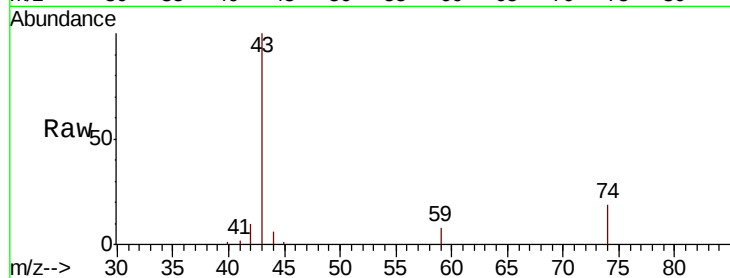




#15
Methyl Acetate
Concen: 5.381 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

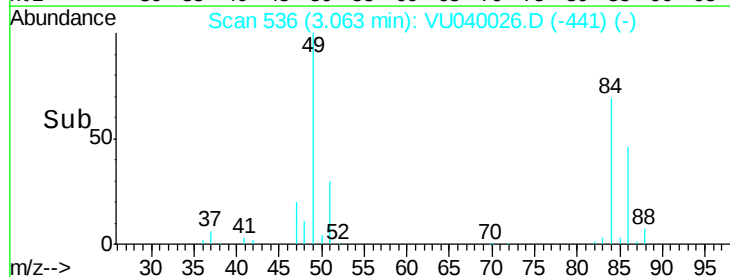
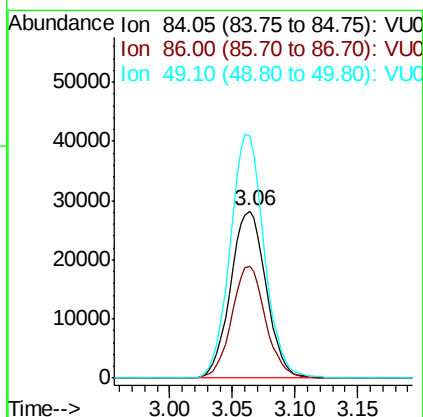
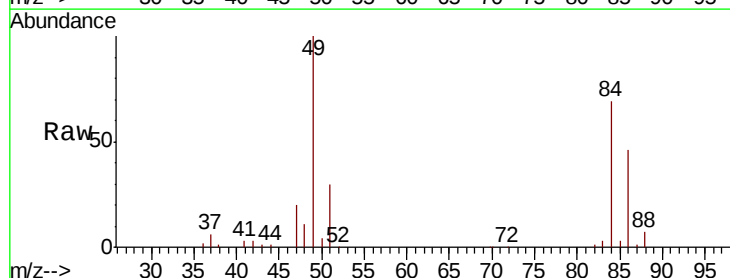
Instrument :
MSVOA_U
ClientSampled :

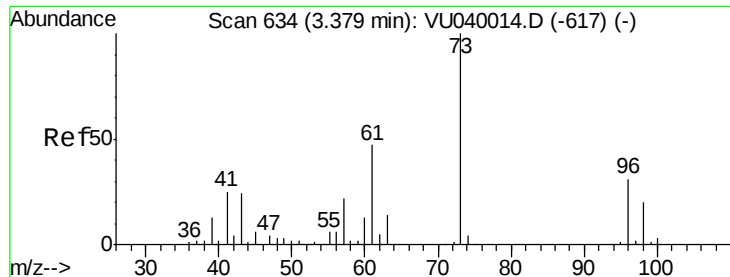
Tot Ion: 43 Resp: 30827
Ion Ratio Lower Upper
43 100
74 18.8 17.4 26.0



#16
Methylene chloride
Concen: 4.862 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Tgt Ion: 84 Resp: 55631
Ion Ratio Lower Upper
84 100
86 67.0 45.2 84.0
49 145.0 104.0 193.2

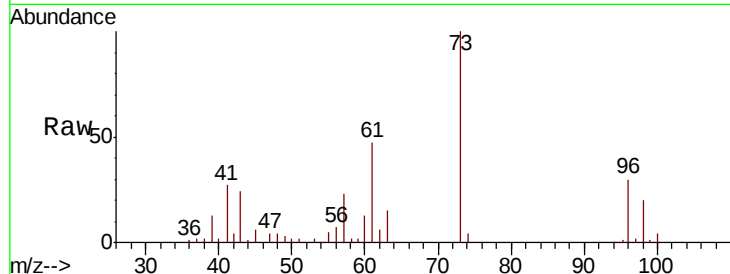




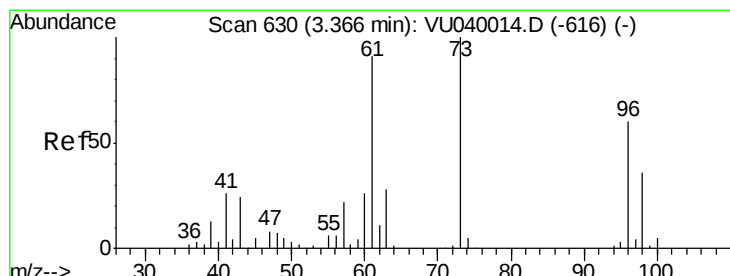
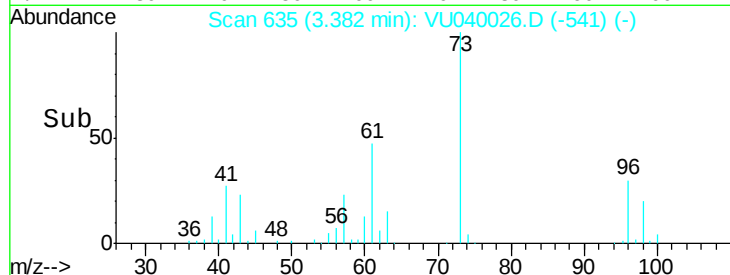
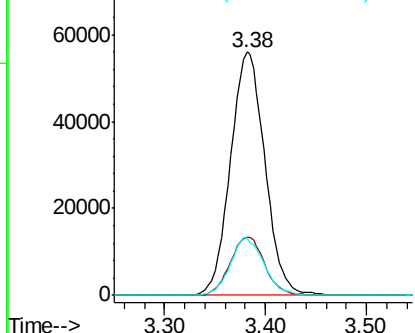
#17
Methvl tert-butvl Ether
Concen: 5.039 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 132693
Ion Ratio Lower Upper
73 100
43 23.4 19.1 28.7
57 23.1 18.3 27.5

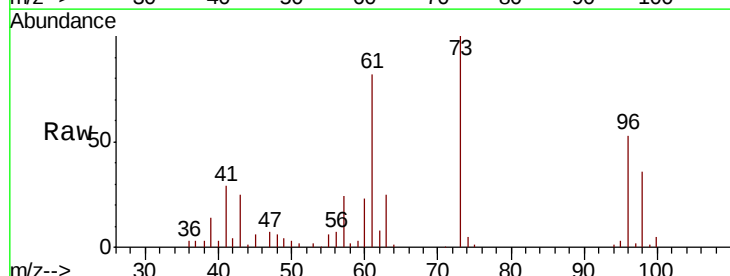


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

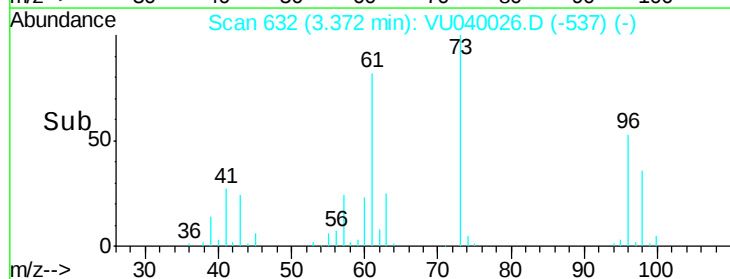
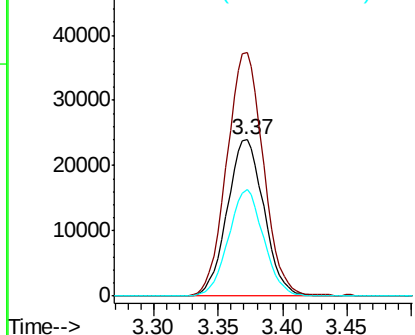


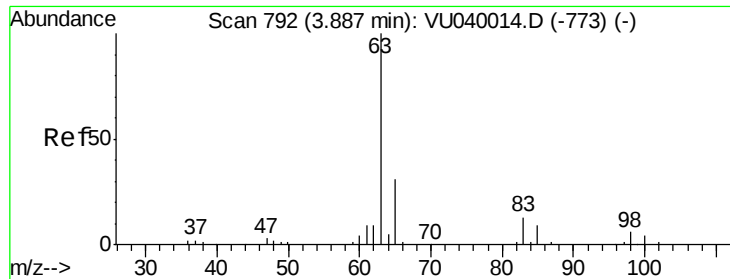
#18
trans-1,2-Dichloroethene
Concen: 5.033 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Tgt Ion: 96 Resp: 47308
Ion Ratio Lower Upper
96 100
61 155.8 110.5 205.3
98 67.9 43.2 80.2



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

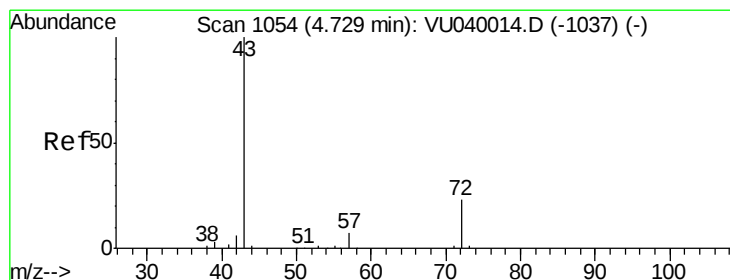
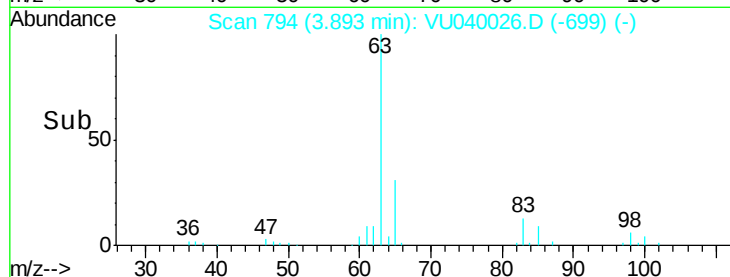
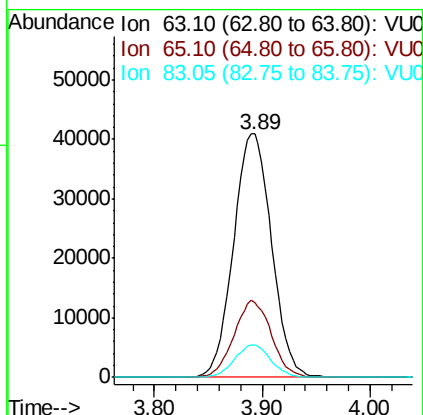
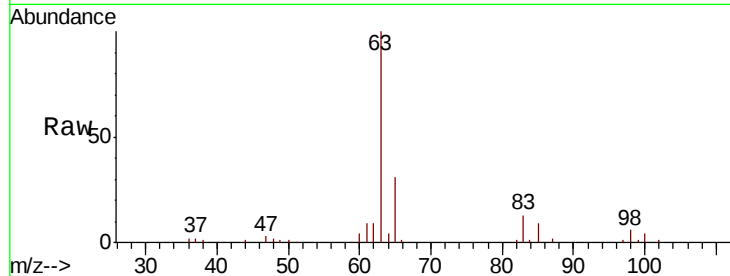




#19
 1,1-Dichloroethane
 Concen: 5.180 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

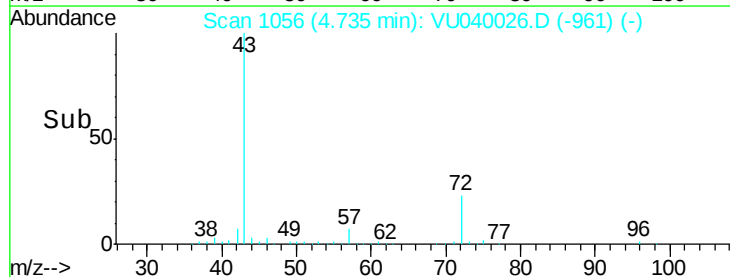
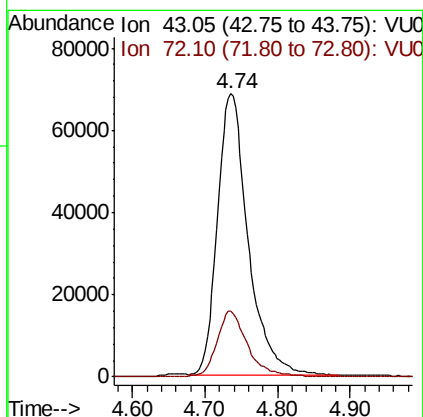
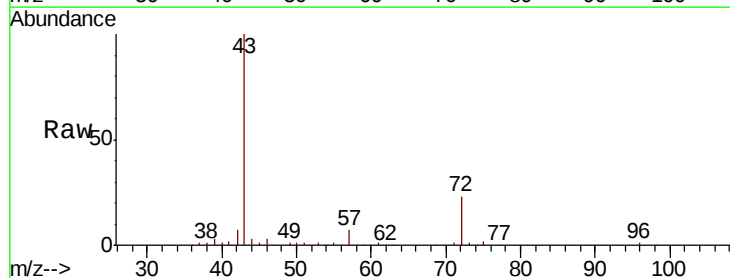
Instrument :
 MSVOA_U
 ClientSampled :

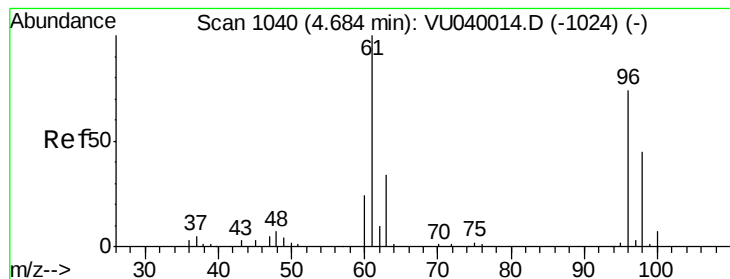
Tot Ion: 63 Resp: 100228
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.2 41.2
 83 13.4 9.4 17.6



#21
 2-Butanone
 Concen: 53.891 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion: 43 Resp: 200824
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.308 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

ClientSampled :

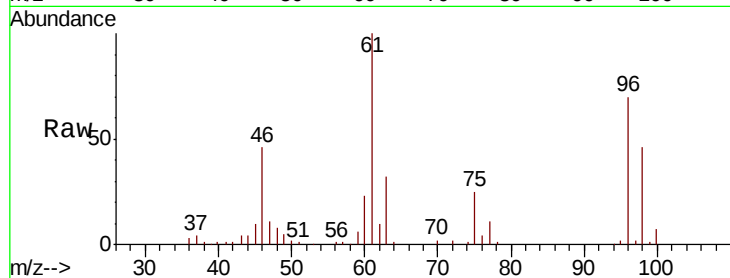
Tot Ion: 96 Resp: 53648

Ion Ratio Lower Upper

96 100

61 142.6 98.8 183.4

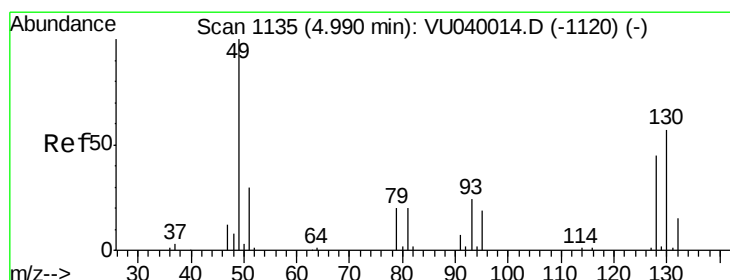
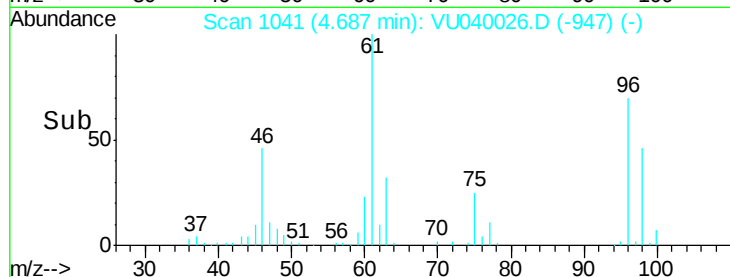
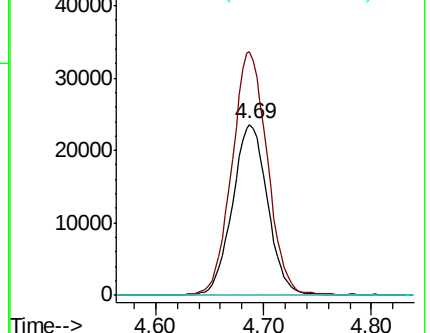
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040014.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040014.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040014.D (-1024) (-)



#23

Bromochloromethane

Concen: 5.223 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Tgt Ion: 128 Resp: 23130

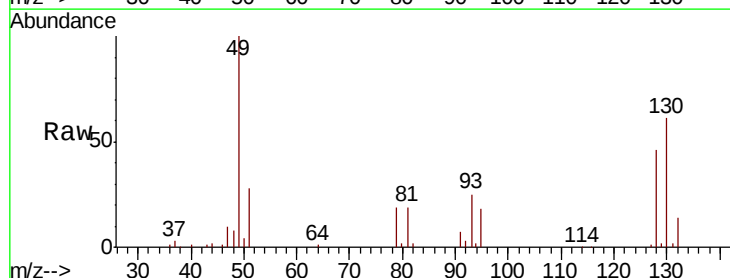
Ion Ratio Lower Upper

128 100

49 217.9 143.4 266.4

130 132.6 89.5 166.3

51 60.4 51.0 76.4

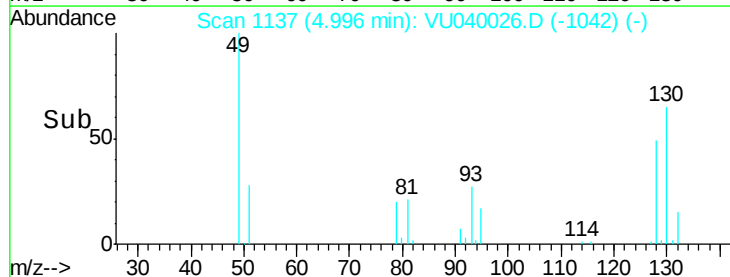
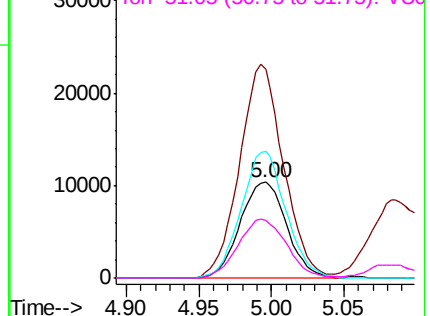


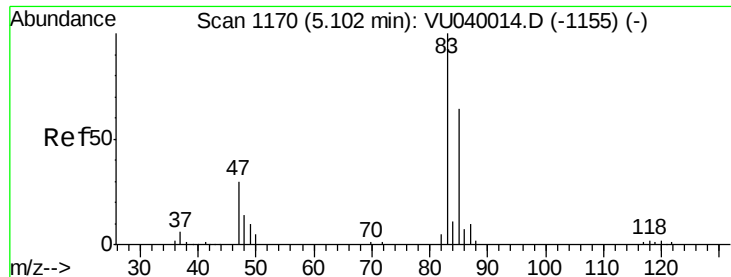
Abundance Ion 127.90 (127.60 to 128.60): VU040014.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040014.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040014.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040014.D (-1120) (-)

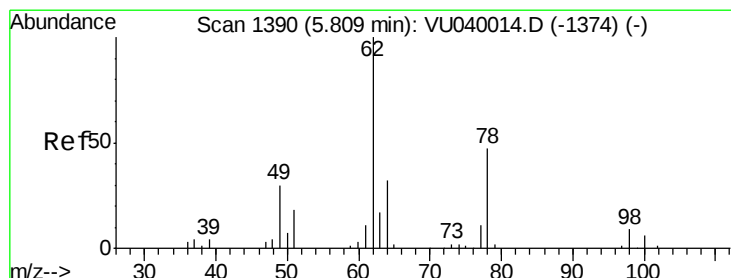
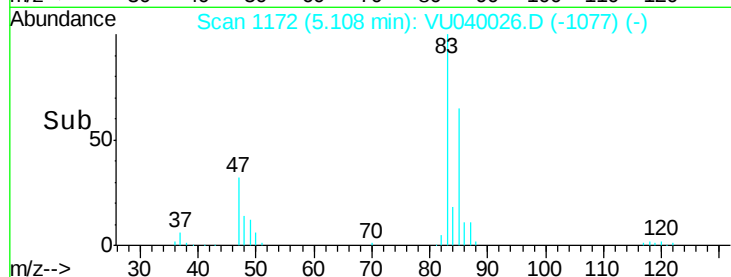
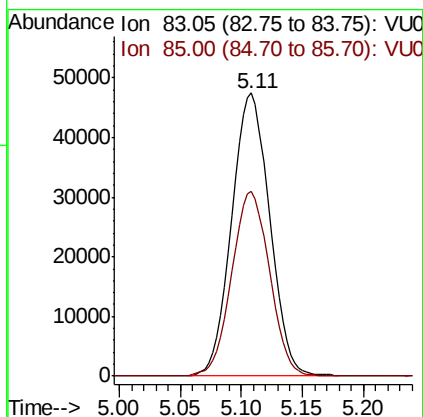
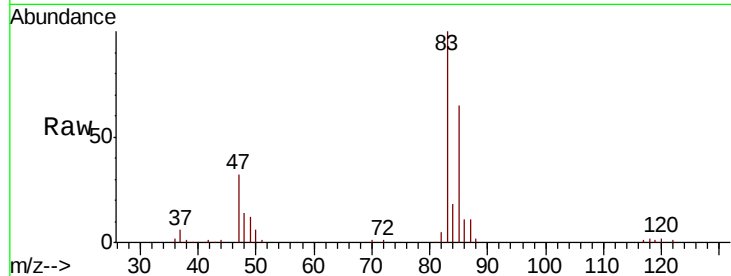




#25
Chloroform
Concen: 5.180 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

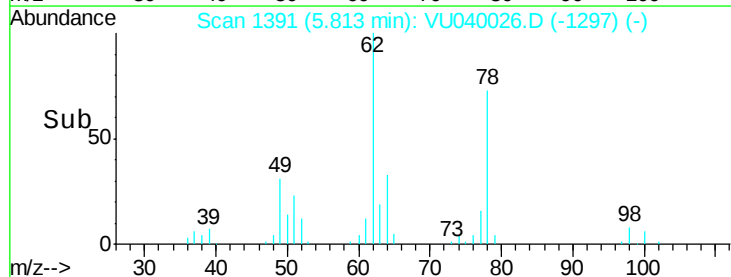
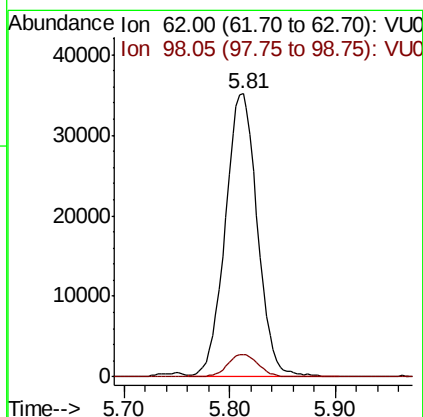
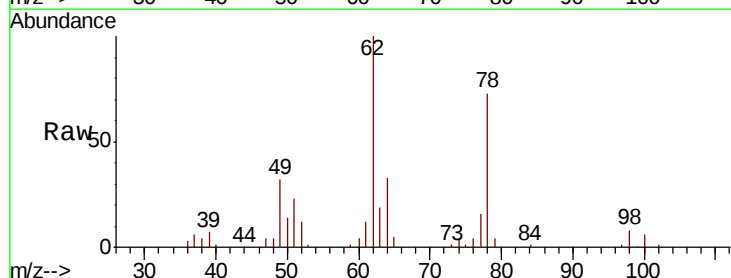
Instrument :
MSVOA_U
ClientSampled :

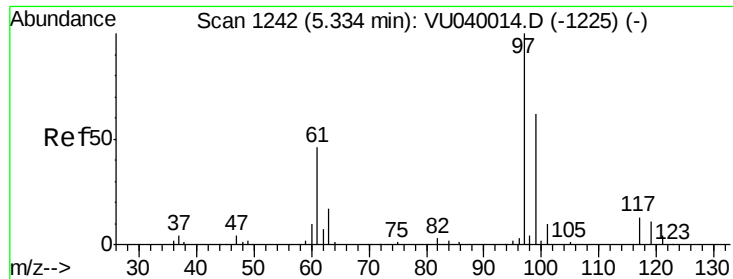
Tot Ion: 83 Resp: 102628
Ion Ratio Lower Upper
83 100
85 65.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.107 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Tgt Ion: 62 Resp: 74136
Ion Ratio Lower Upper
62 100
98 8.0 6.1 9.1

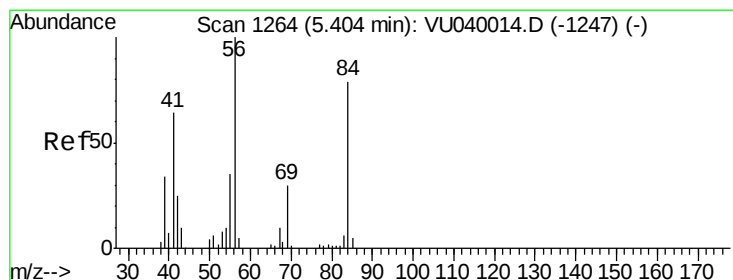
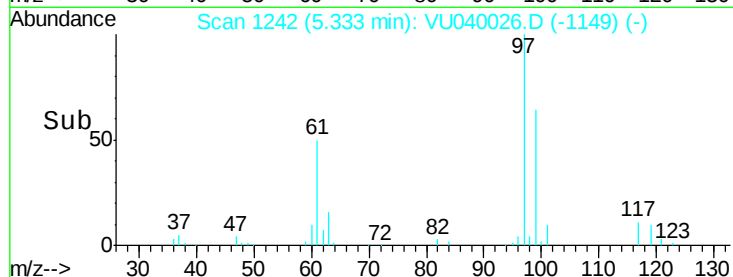
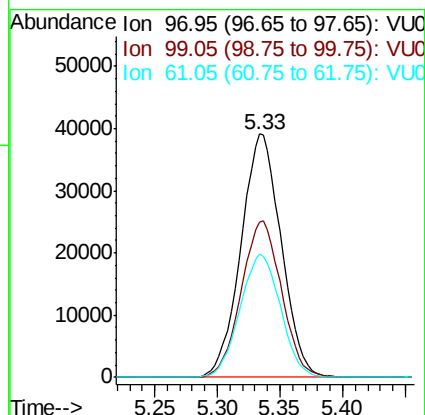
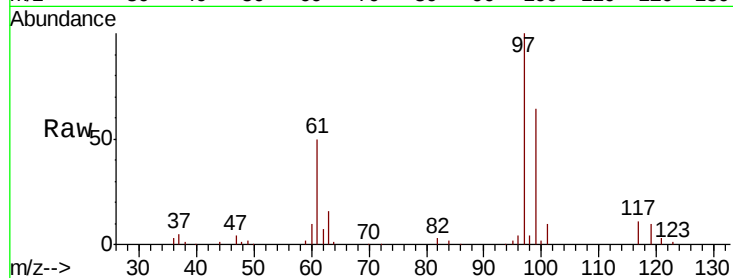




#29
 1,1,1-Trichloroethane
 Concen: 4.863 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

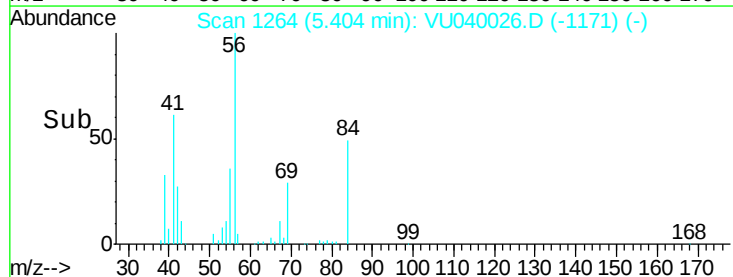
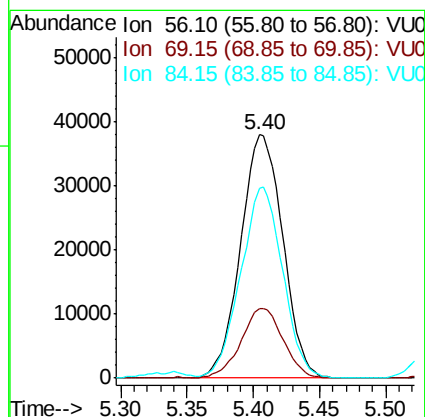
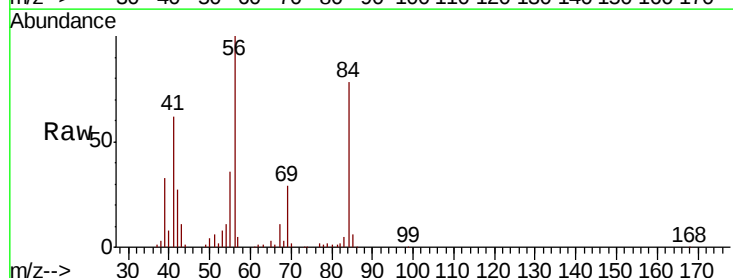
Instrument :
 MSVOA_U
 ClientSampled :

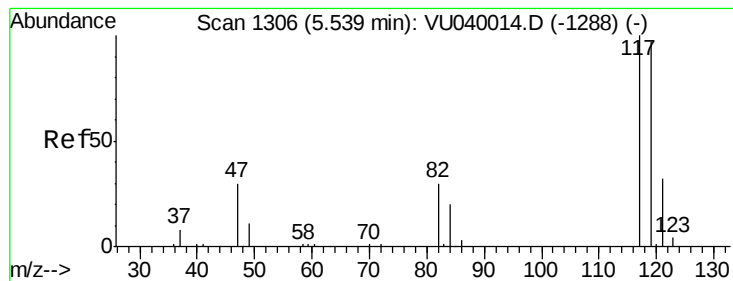
Tot Ion: 97 Resp: 87246
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.9 76.3
 61 51.1 39.5 59.3



#30
 Cyclohexane
 Concen: 4.841 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion: 56 Resp: 84224
 Ion Ratio Lower Upper
 56 100
 69 28.4 24.1 36.1
 84 78.0 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.823 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

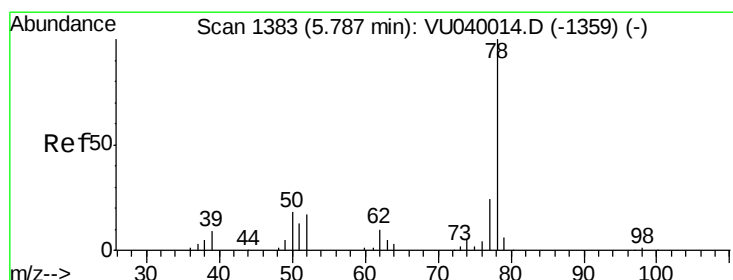
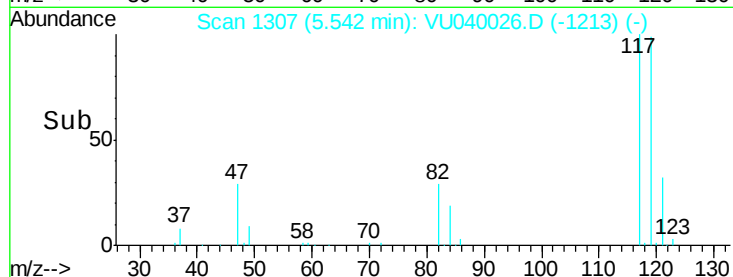
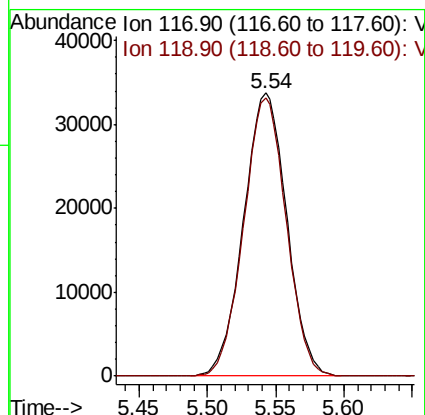
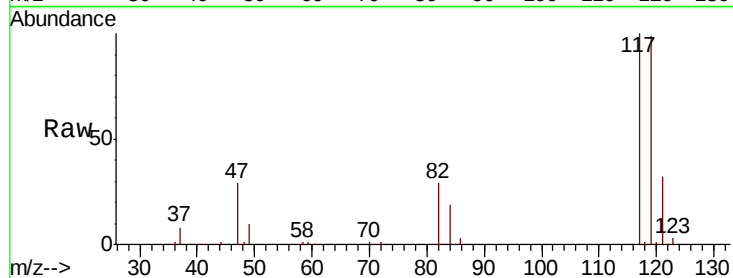
ClientSampleId :

Tot Ion:117 Resp: 74054

Ion Ratio Lower Upper

117 100

119 96.7 77.7 116.5



#33

Benzene

Concen: 5.014 ug/L

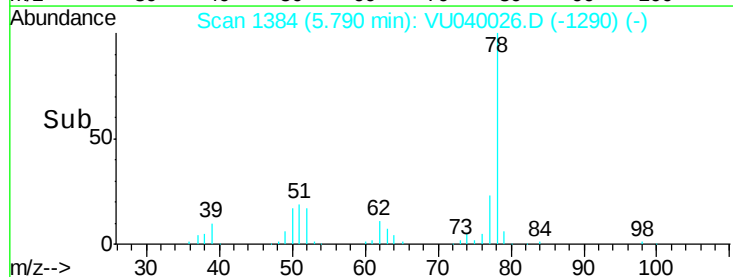
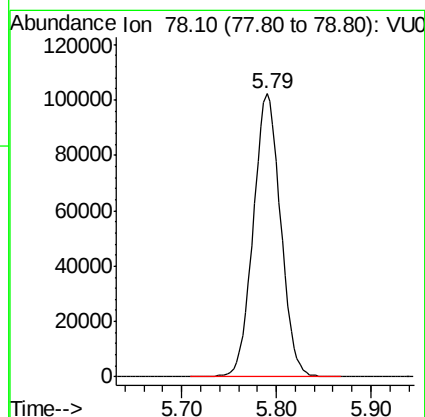
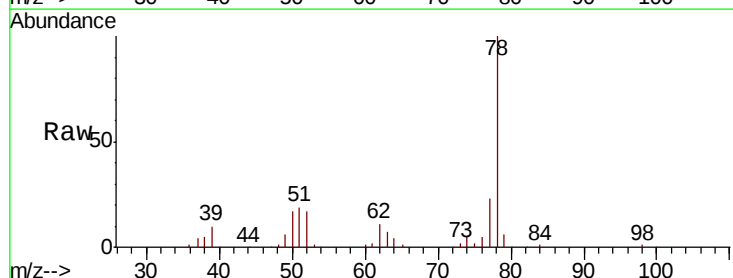
RT: 5.79 min Scan# 1384

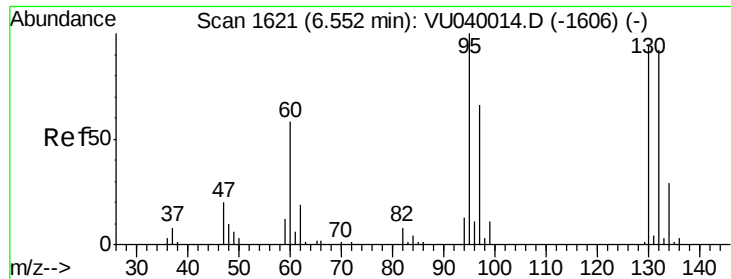
Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Tgt Ion: 78 Resp: 204989

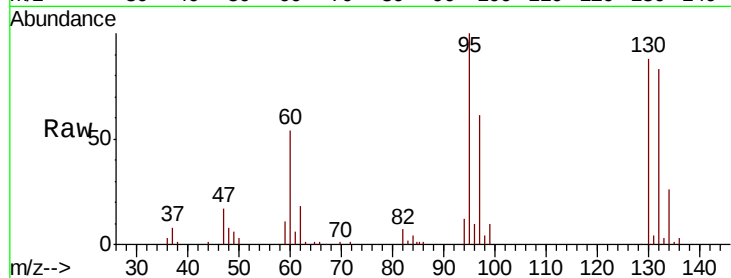




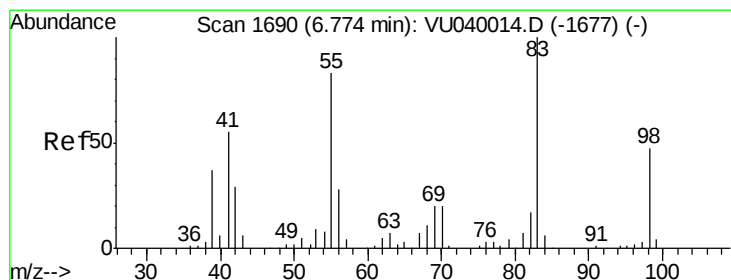
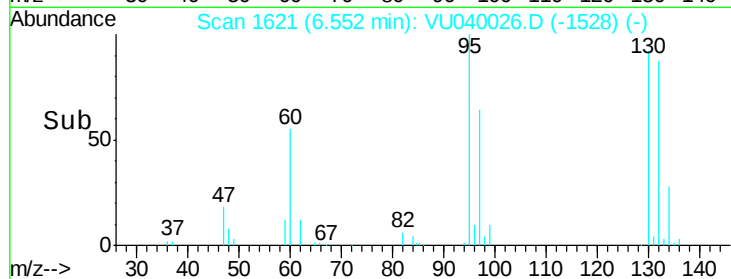
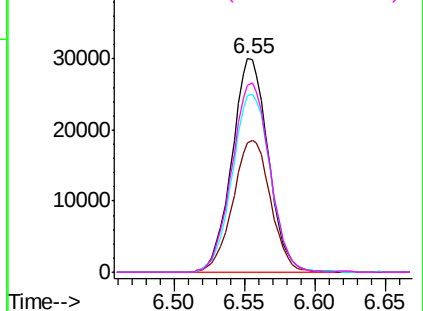
#34
 Trichloroethene
 Concen: 4.932 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 54085
 Ion Ratio Lower Upper
 95 100
 97 60.8 43.3 80.5
 132 82.6 59.4 110.4
 130 87.5 64.8 120.4

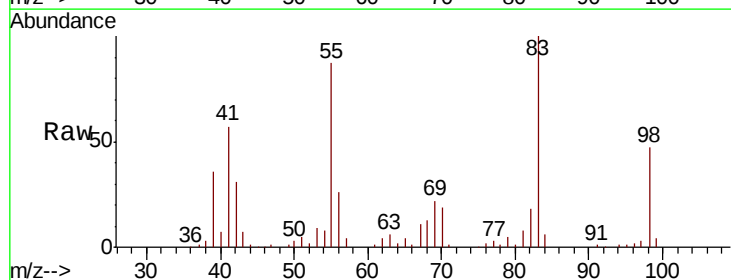


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

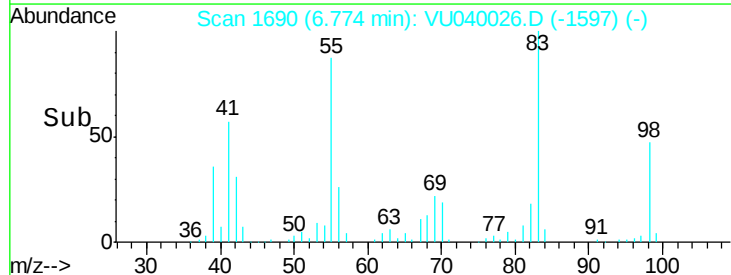
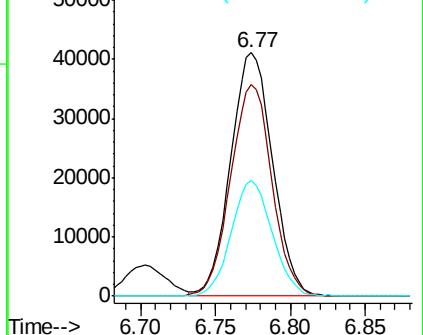


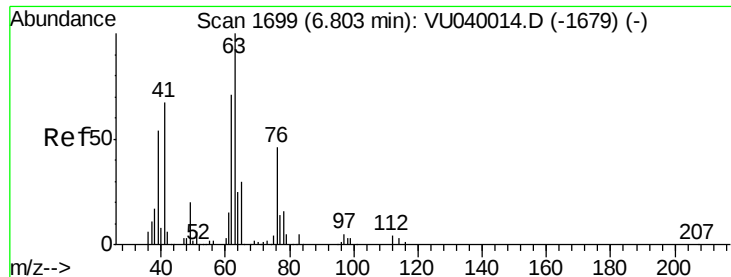
#35
 Methylcyclohexane
 Concen: 4.783 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion: 83 Resp: 80310
 Ion Ratio Lower Upper
 83 100
 55 85.4 70.5 105.7
 98 46.2 37.8 56.6



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: 5.118 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

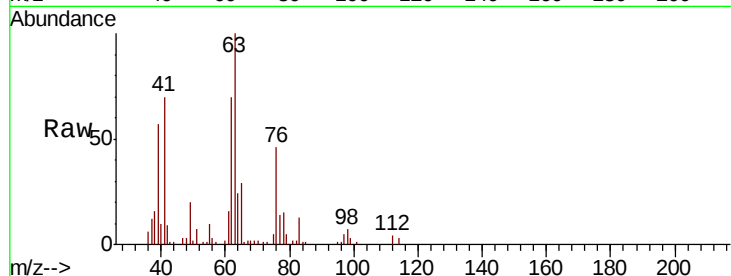
ClientSampleId :

Tot Ion: 63 Resp: 56650

Ion Ratio Lower Upper

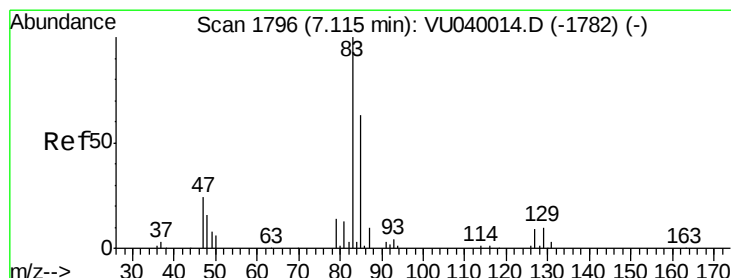
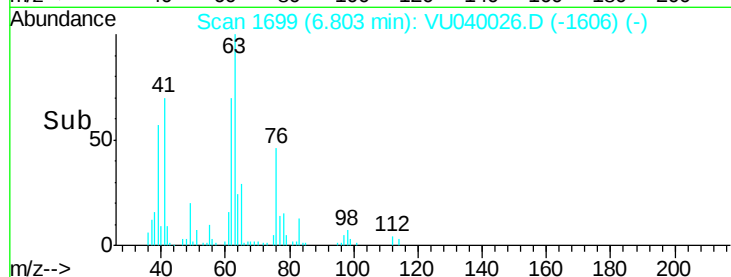
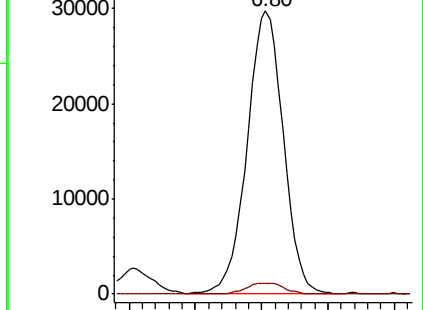
63 100

112 4.0 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040014.D (-1679) (-)

Ion 112.10 (111.80 to 112.80): VU040014.D (-1679) (-)



#38

Bromodichloromethane

Concen: 4.938 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

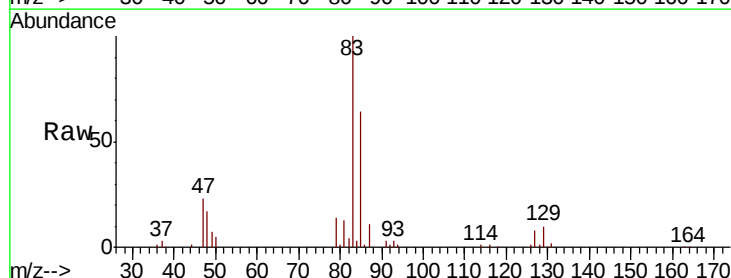
Tgt Ion: 83 Resp: 74624

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

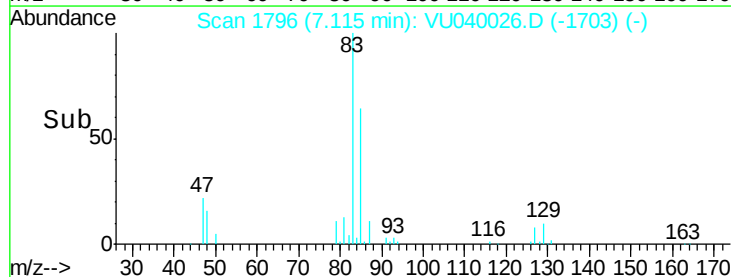
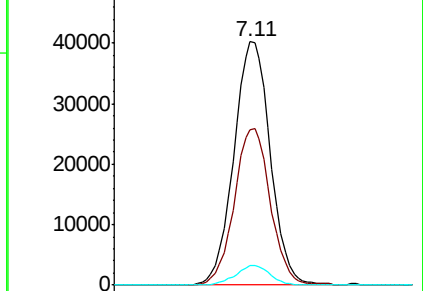
127 8.0 6.7 10.1

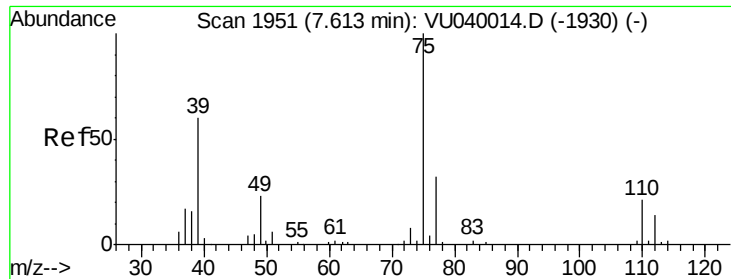


Abundance Ion 82.95 (82.65 to 83.65): VU040014.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040014.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040014.D (-1782) (-)

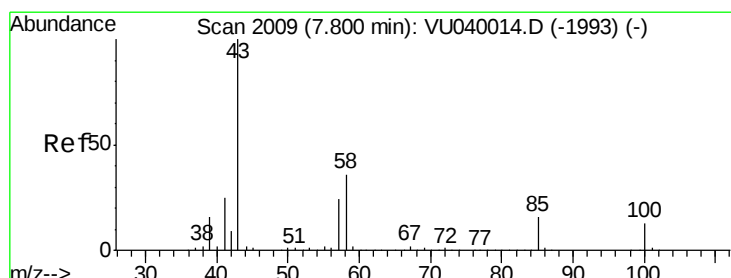
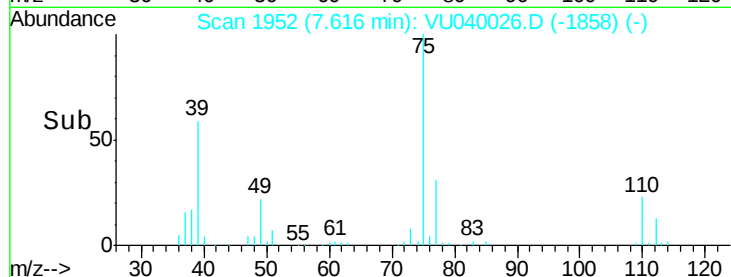
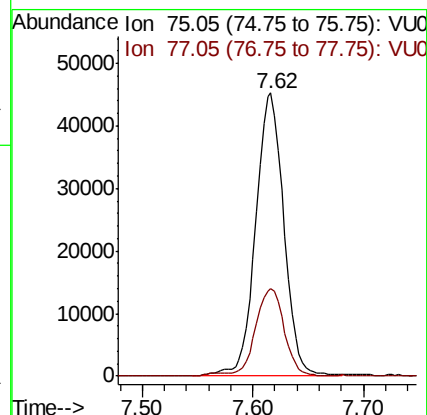
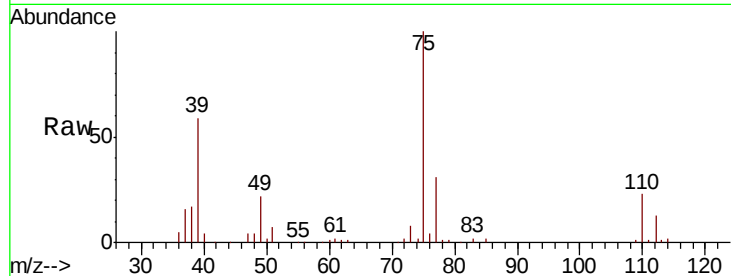




#39
 cis-1,3-Dichloropropene
 Concen: 4.930 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

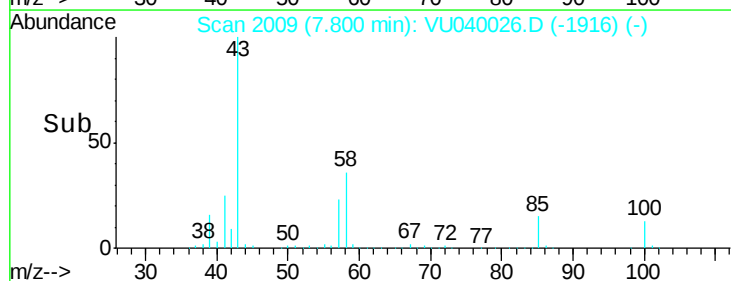
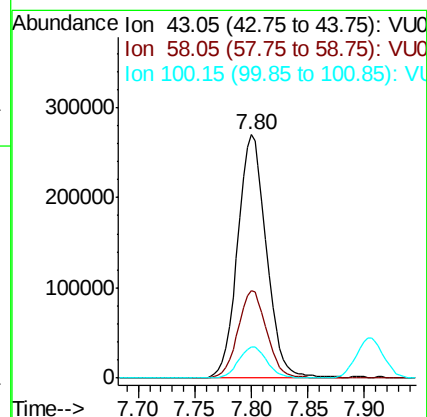
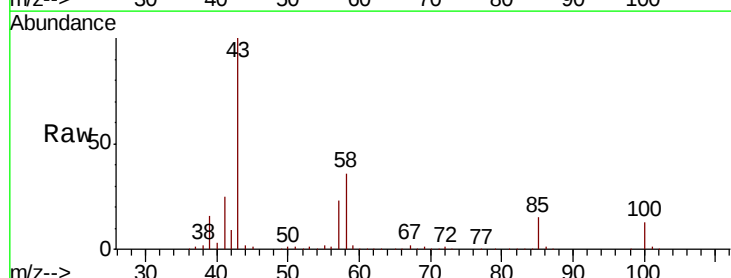
Instrument :
 MSVOA_U
 ClientSampled :

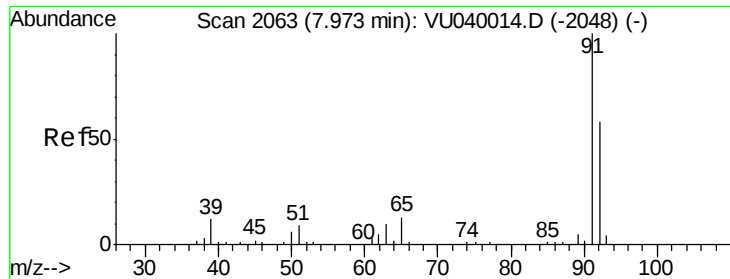
Tot Ion: 75 Resp: 80482
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 52.700 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion: 43 Resp: 478654
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 12.8 10.2 15.2





#42

Toluene

Concen: 5.116 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

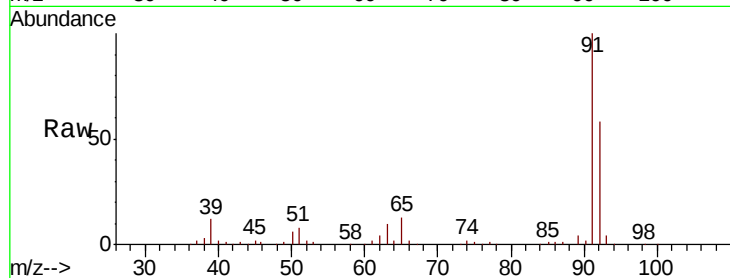
ClientSampled :

Tot Ion: 91 Resp: 215410

Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040014.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040014.D (-2048) (-)

7.98

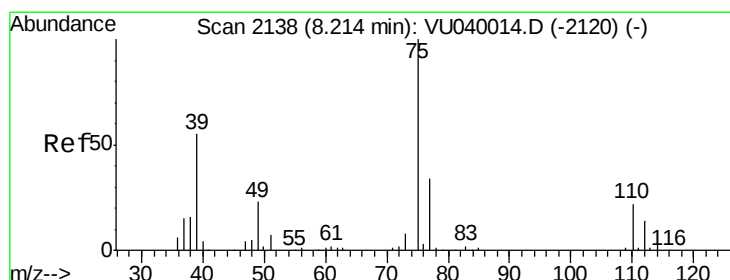
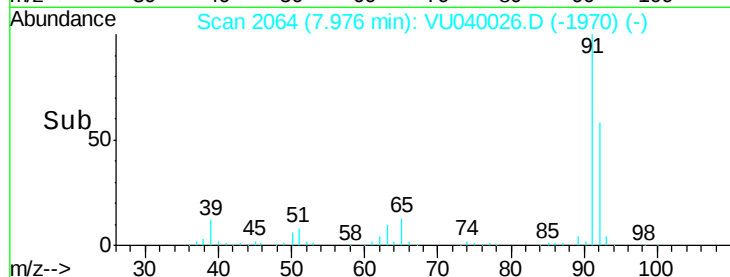
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.946 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040026.D

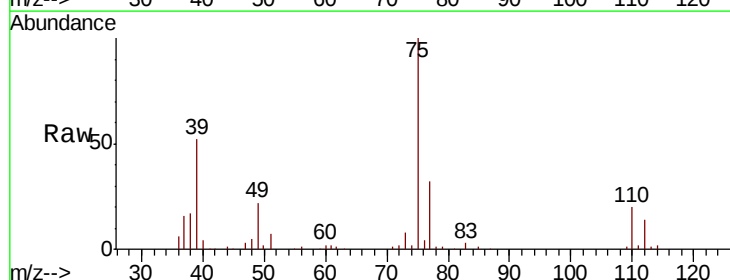
Acq: 02 Sep 2020 16:01

Tgt Ion: 75 Resp: 74819

Ion Ratio Lower Upper

75 100

77 31.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040014.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040014.D (-2120) (-)

8.22

50000

40000

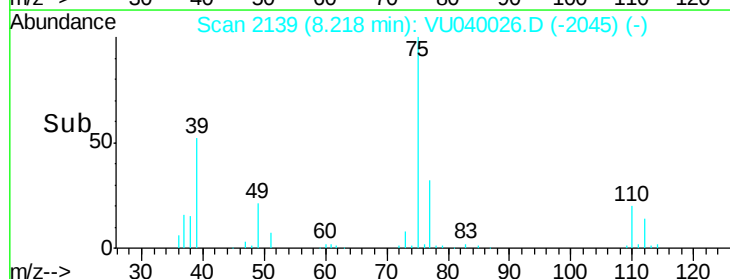
30000

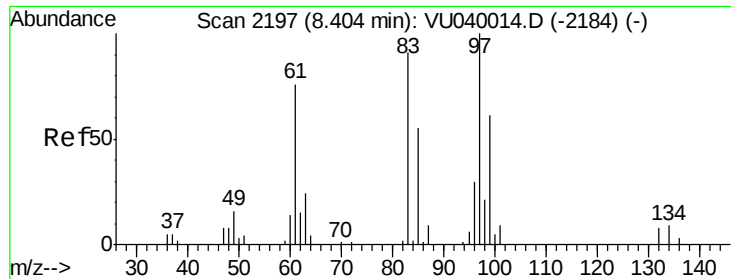
20000

10000

0

Time-->

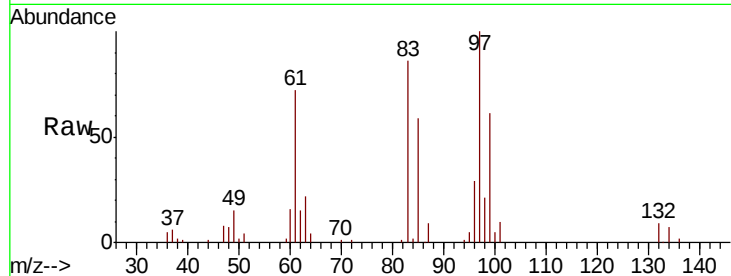




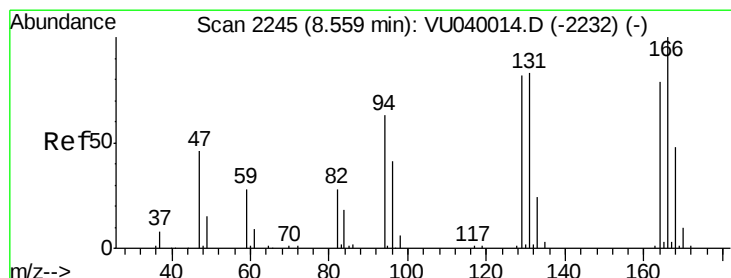
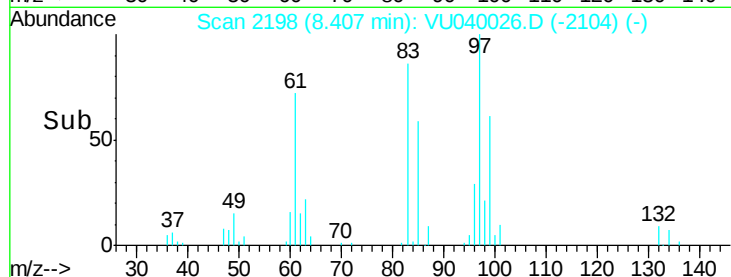
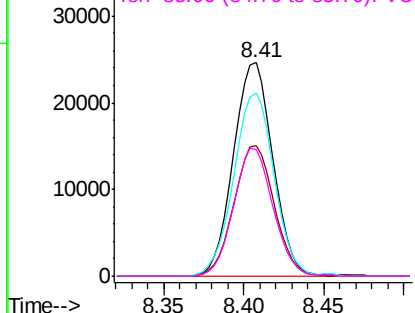
#45
 1,1,2-Trichloroethane
 Concen: 5.150 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	41532
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.0	79.8
83	85.6	61.7	114.7
85	59.4	39.3	73.1

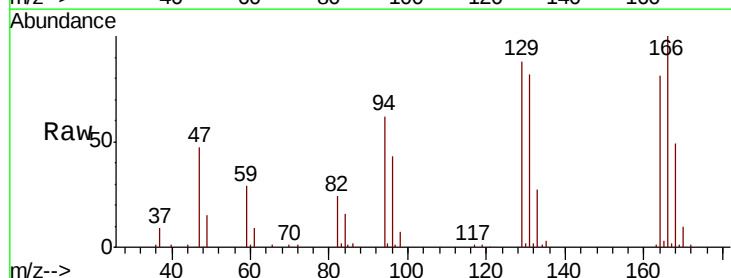


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

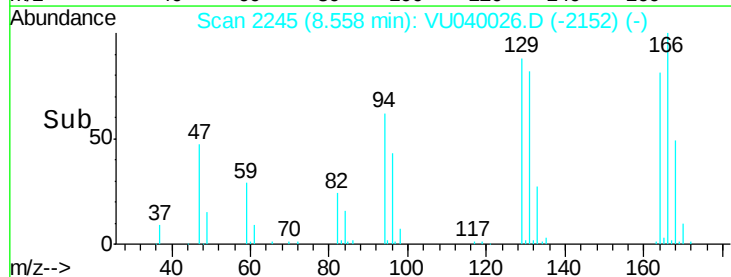
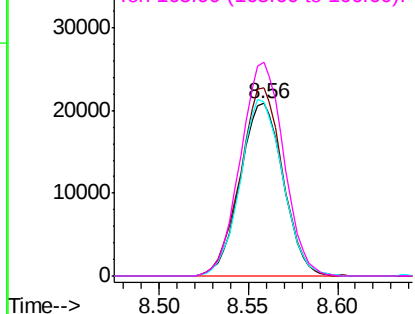


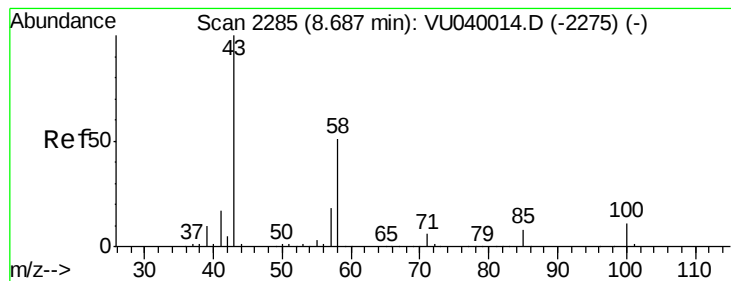
#47
 Tetrachloroethene
 Concen: 4.894 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion:	164	Resp:	35253
Ion	Ratio	Lower	Upper
164	100		
129	108.7	71.5	132.7
131	100.8	65.9	122.5
166	123.6	87.3	162.1



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: 53.340 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 353383

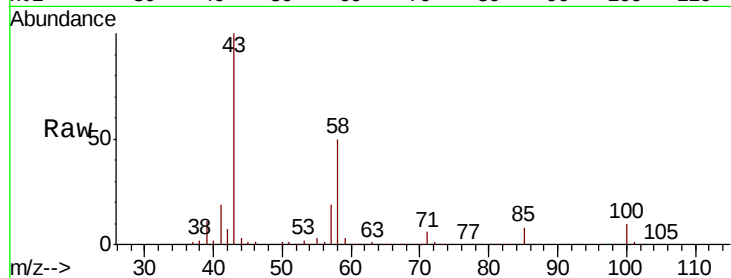
Ion Ratio Lower Upper

43 100

58 49.4 39.6 59.4

57 18.0 14.3 21.5

100 10.1 8.0 12.0

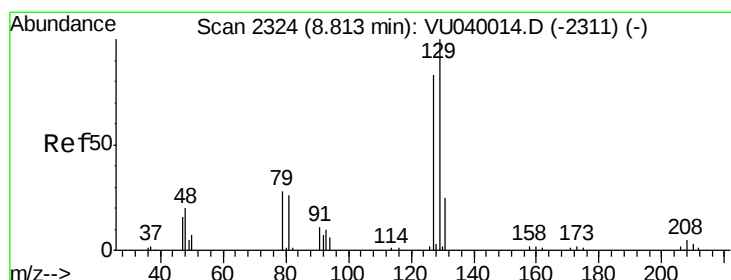
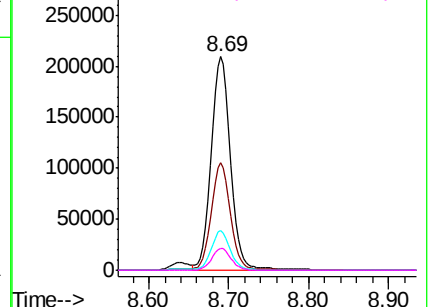
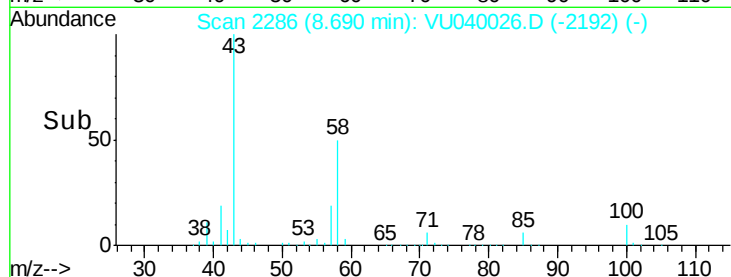


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 5.137 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040026.D

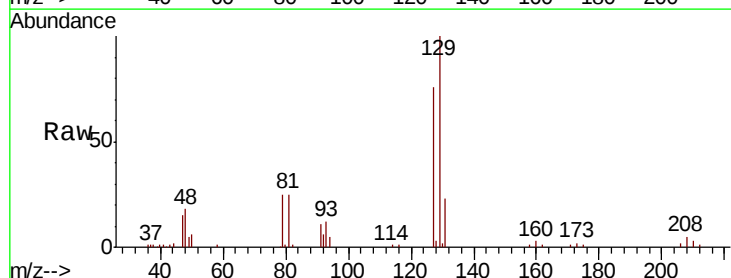
Acq: 02 Sep 2020 16:01

Tgt Ion: 129 Resp: 49722

Ion Ratio Lower Upper

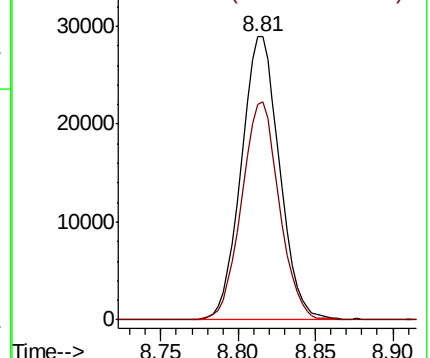
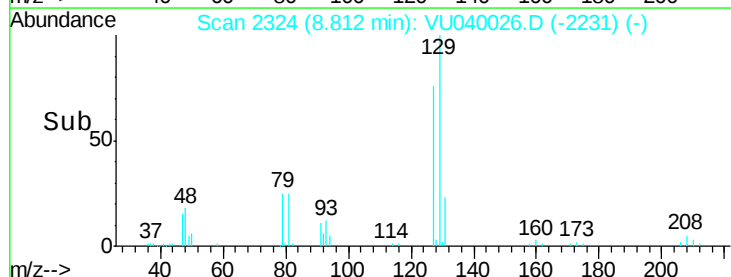
129 100

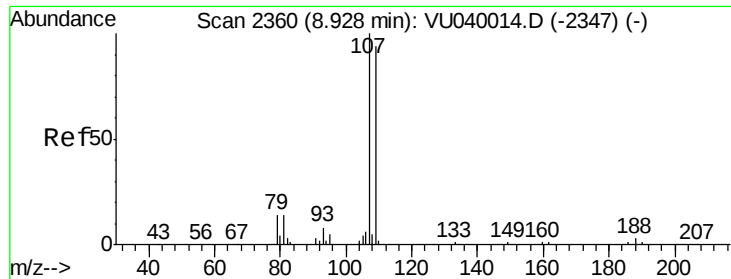
127 76.2 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

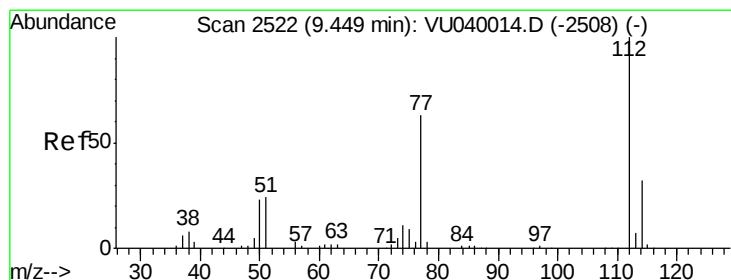
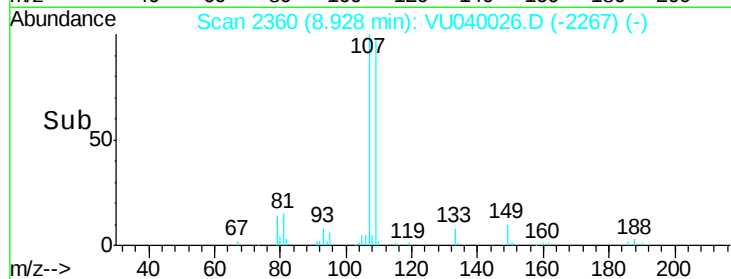
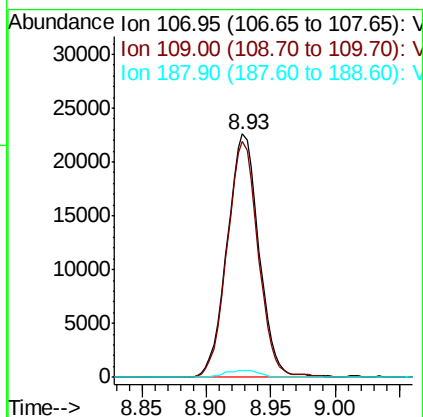
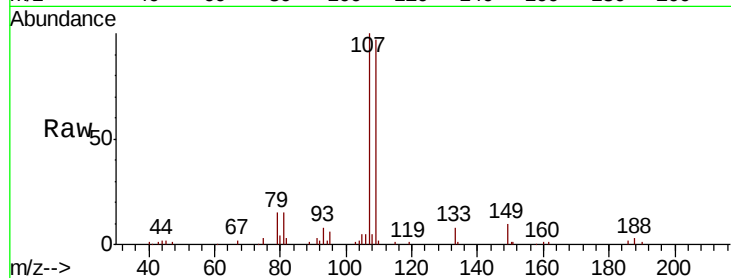




#50
1,2-Dibromoethane
Concen: 4.968 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

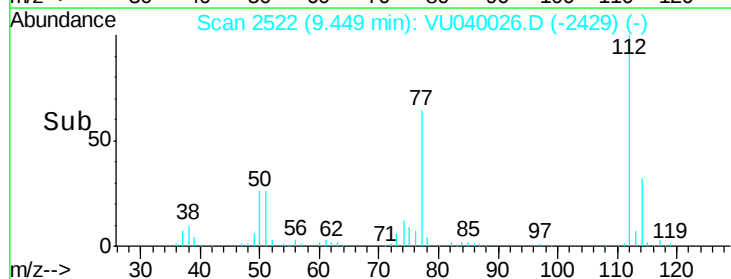
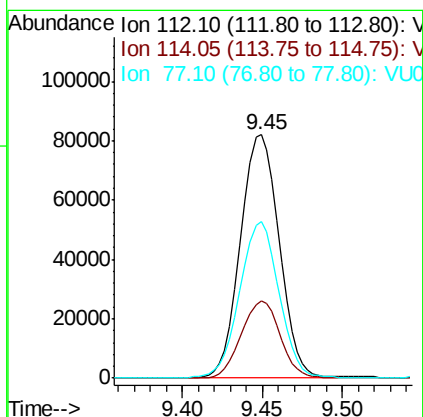
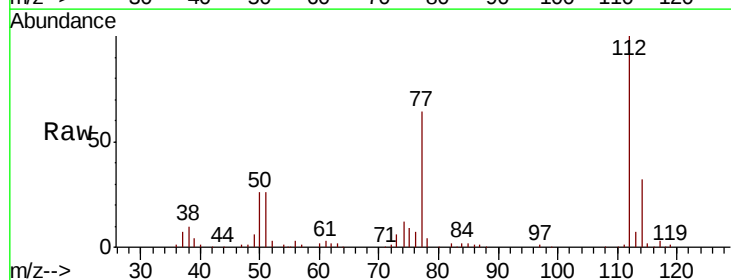
Instrument :
MSVOA_U
ClientSampleId :

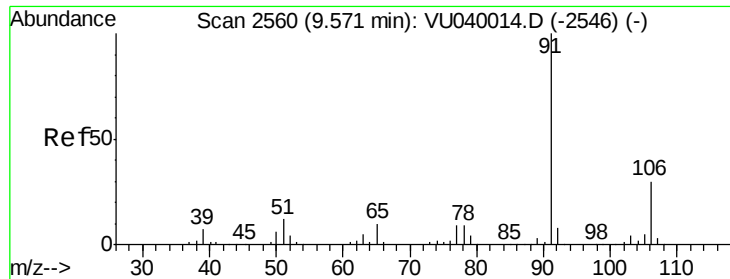
Tot Ion:107 Resp: 38624
Ion Ratio Lower Upper
107 100
109 97.1 62.4 115.8
188 2.9 2.3 3.5



#51
Chlorobenzene
Concen: 5.190 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Tgt Ion:112 Resp: 135672
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 64.4 53.2 79.8





#52

Ethylbenzene

Concen: 5.041 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

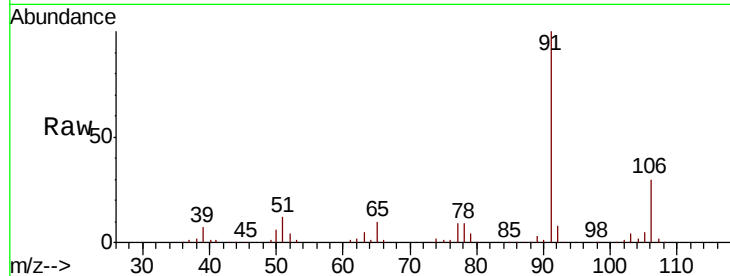
ClientSampleId :

Tot Ion: 91 Resp: 241120

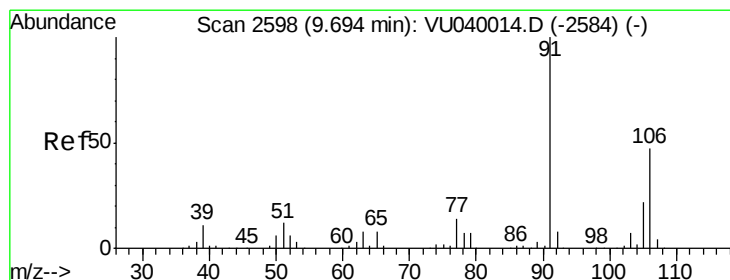
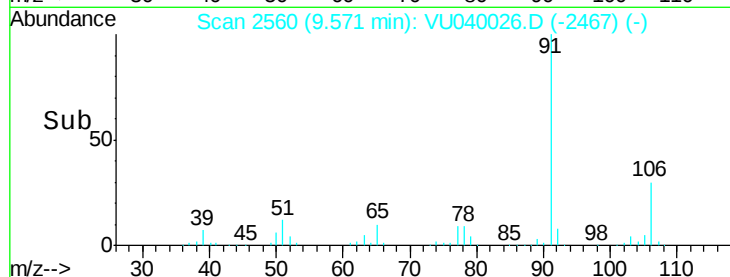
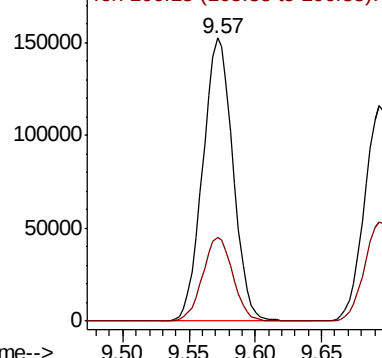
Ion Ratio Lower Upper

91 100

106 29.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040014.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.186 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040026.D

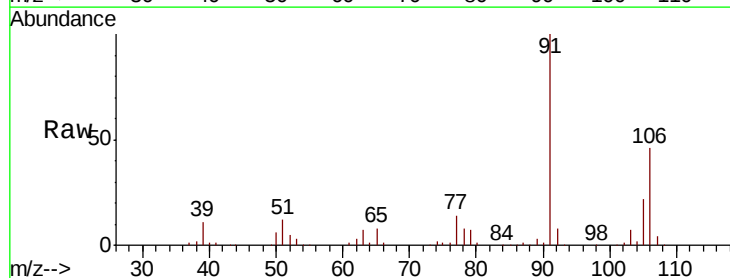
Acq: 02 Sep 2020 16:01

Tgt Ion: 106 Resp: 88318

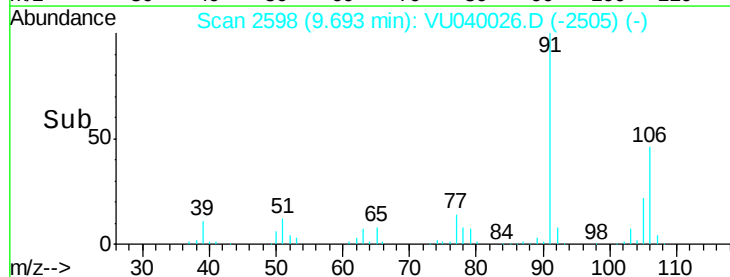
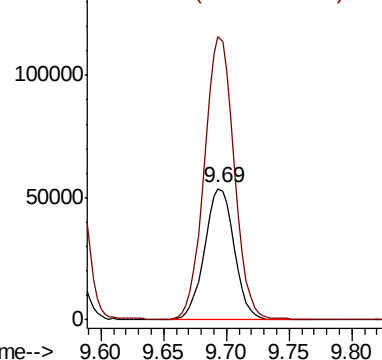
Ion Ratio Lower Upper

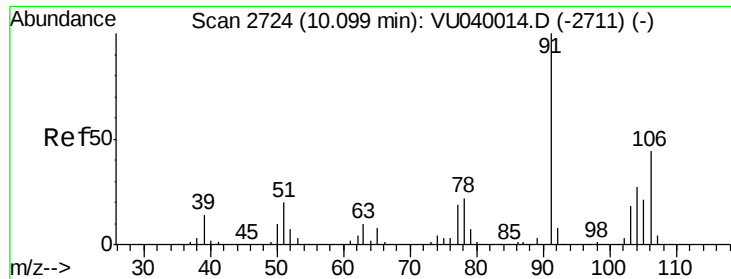
106 100

91 216.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040014.D (-2584) (-)





#54

o-Xylene

Concen: 5.424 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

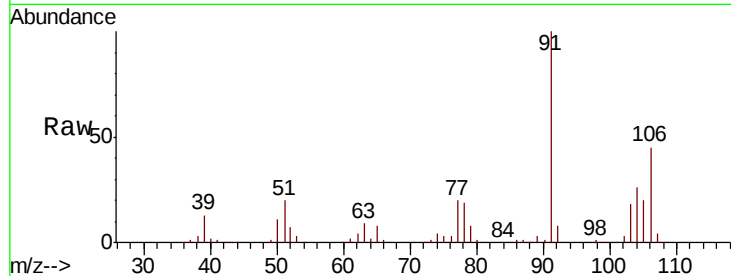
ClientSampleId :

Tot Ion:106 Resp: 88029

Ion Ratio Lower Upper

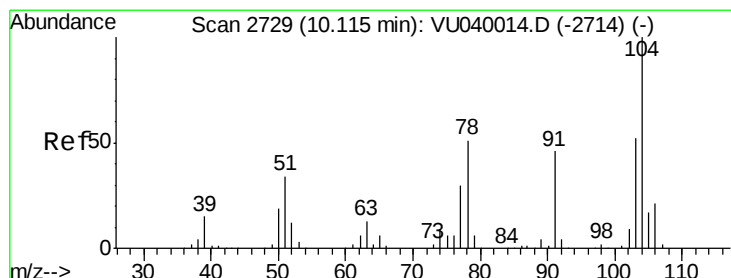
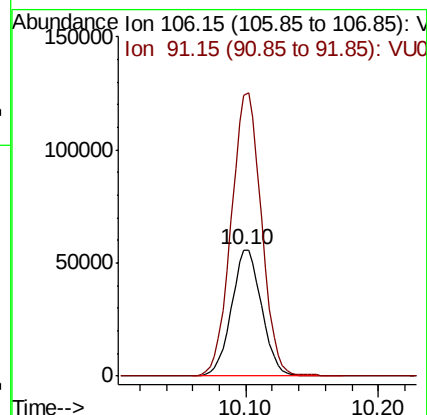
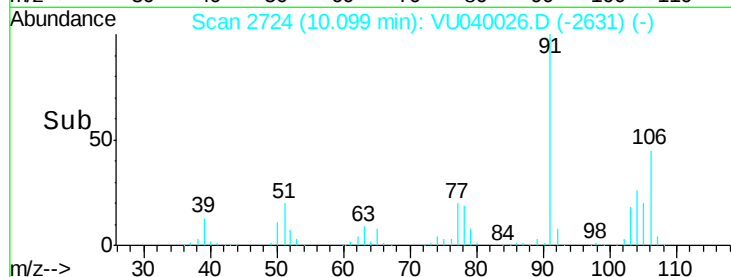
106 100

91 223.0 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.436 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040026.D

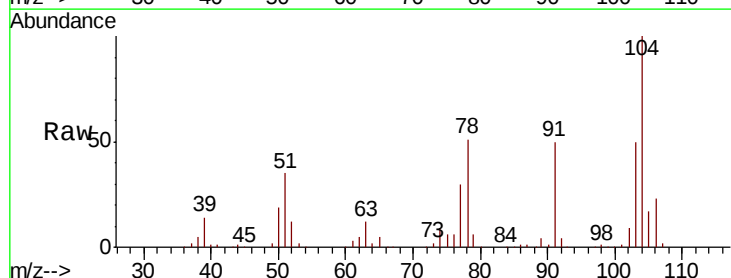
Acq: 02 Sep 2020 16:01

Tgt Ion:104 Resp: 153421

Ion Ratio Lower Upper

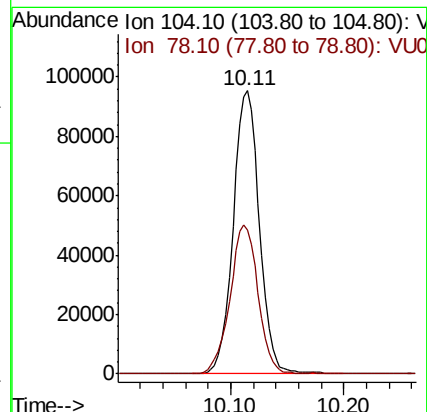
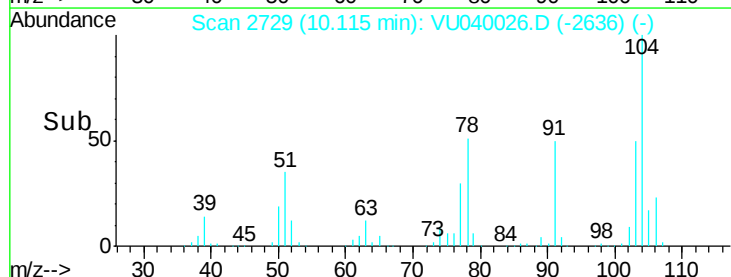
104 100

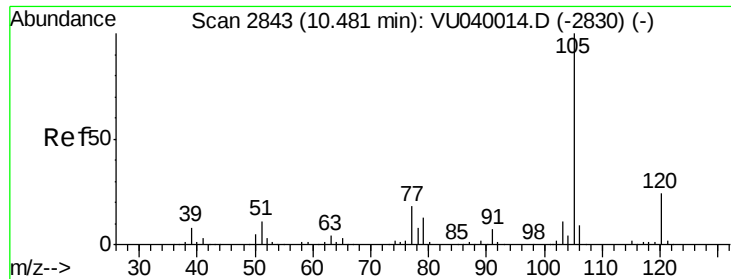
78 50.9 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.353 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

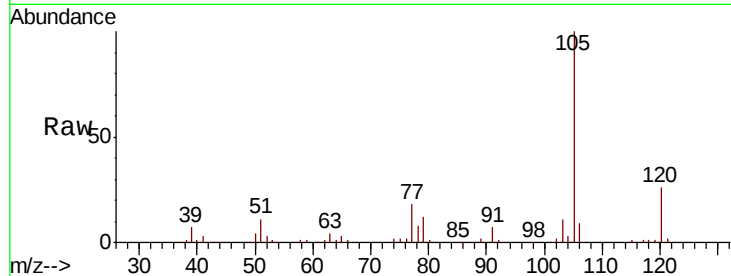
Tot Ion:105 Resp: 236951

Ion Ratio Lower Upper

105 100

120 24.6 20.1 30.1

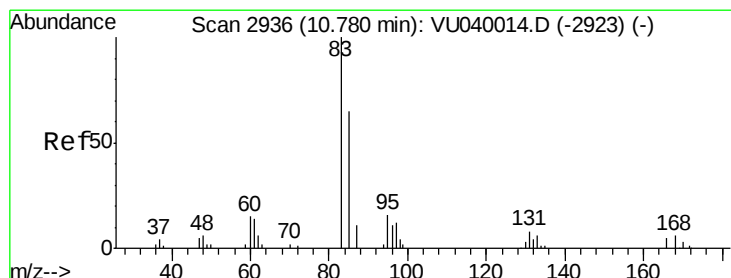
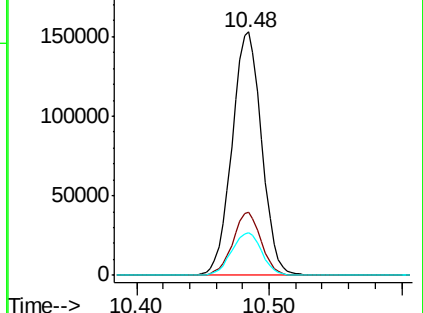
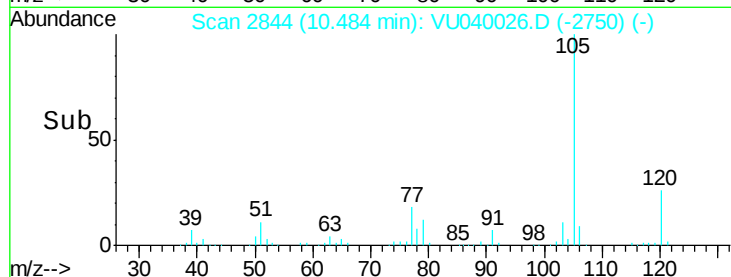
77 17.8 14.4 21.6



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: 5.201 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

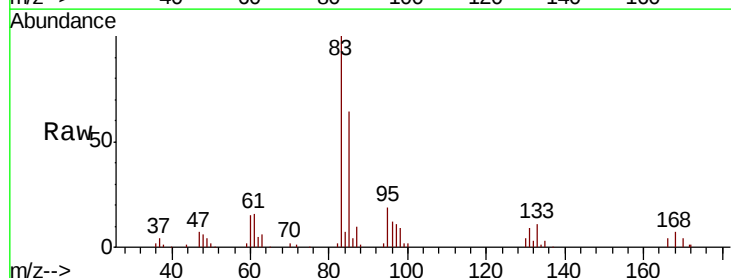
Tgt Ion: 83 Resp: 53778

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3

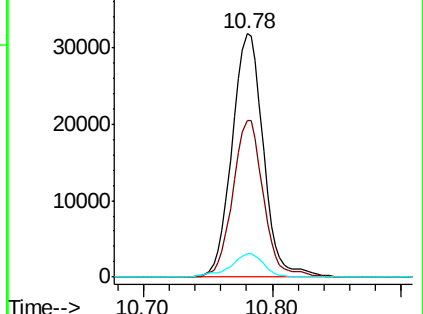
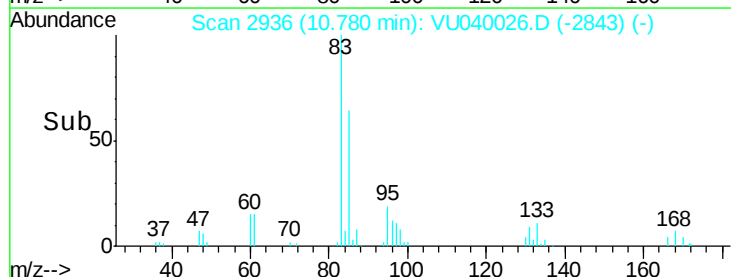
131 9.4 7.4 11.0

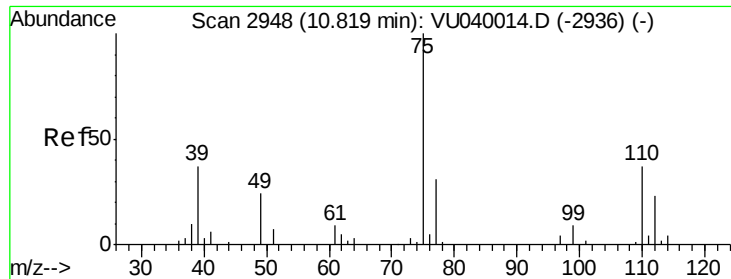


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

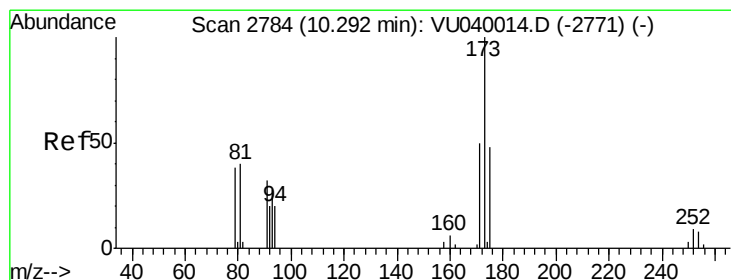
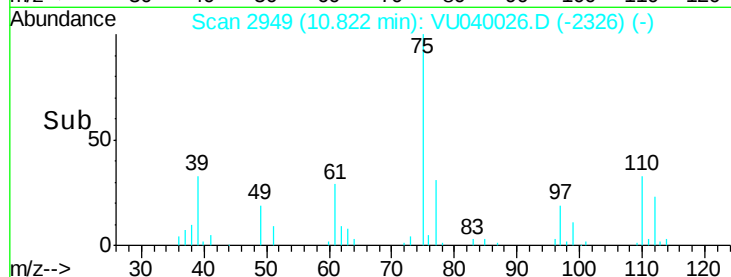
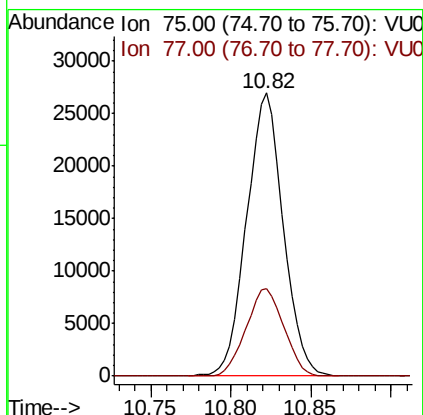
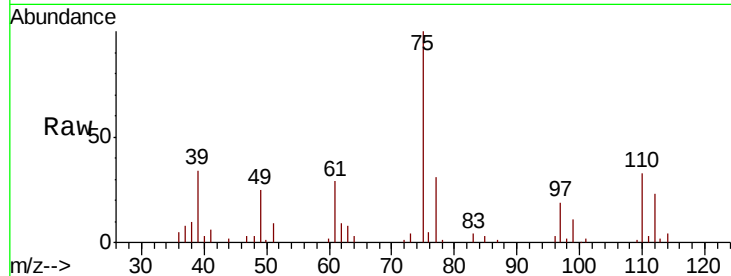




#59
 1,2,3-Trichloropropane
 Concen: 5.159 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

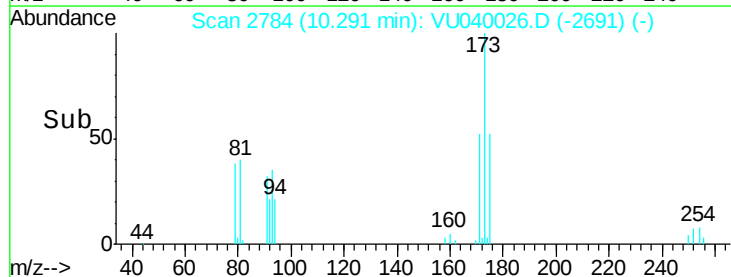
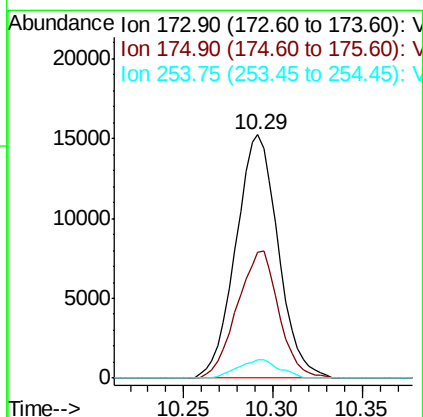
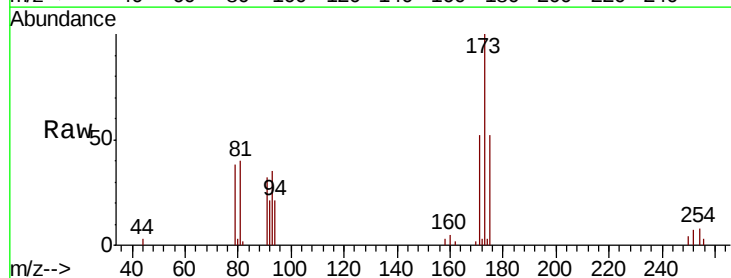
Instrument :
 MSVOA_U
 ClientSampled :

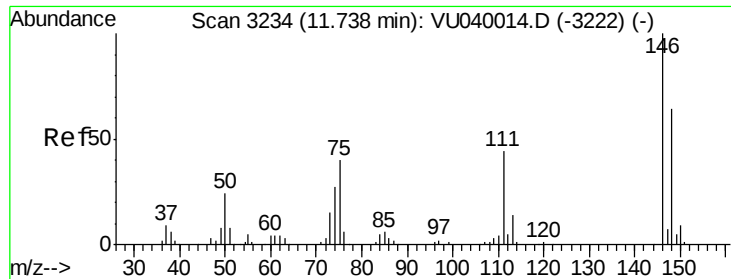
Tot Ion: 75 Resp: 42308
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3



#61
 Bromoform
 Concen: 4.588 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion:173 Resp: 25155
 Ion Ratio Lower Upper
 173 100
 175 51.2 37.8 56.6
 254 7.3 6.8 10.2

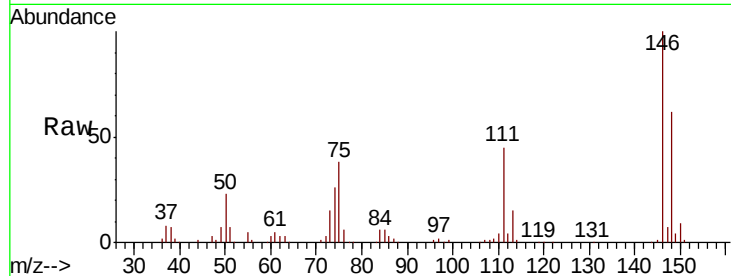




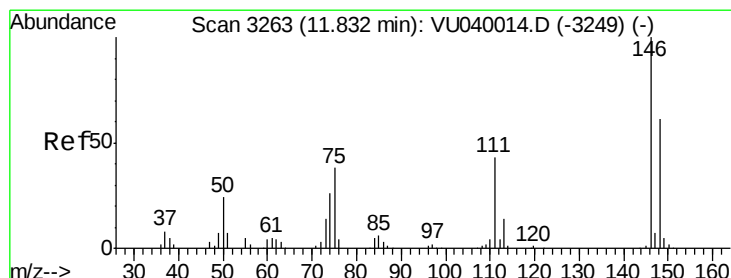
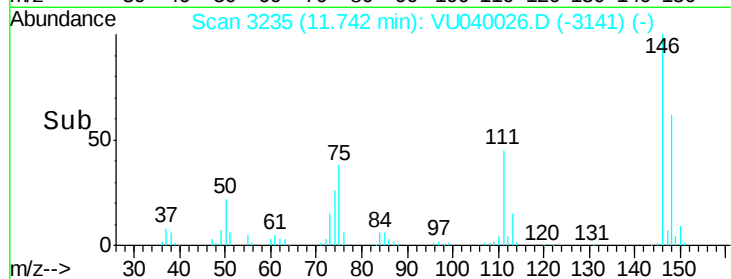
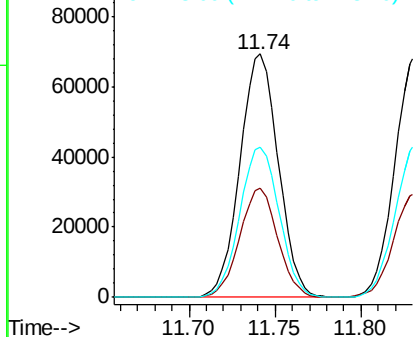
#62
 1,3-Dichlorobenzene
 Concen: 4.932 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 107758
 Ion Ratio Lower Upper
 146 100
 111 44.6 31.6 58.8
 148 61.8 44.2 82.0

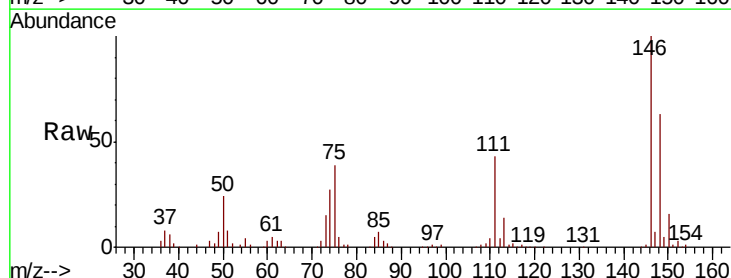


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

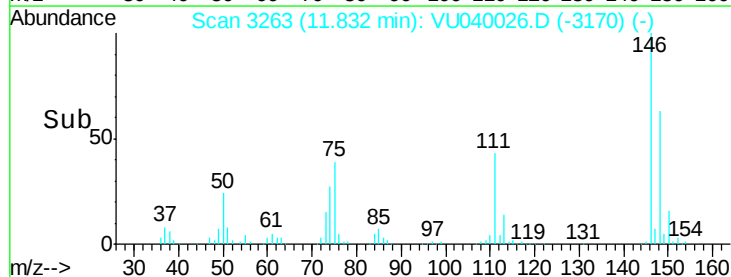
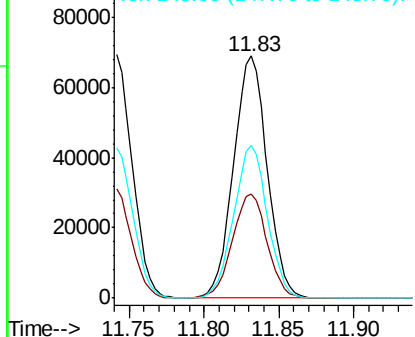


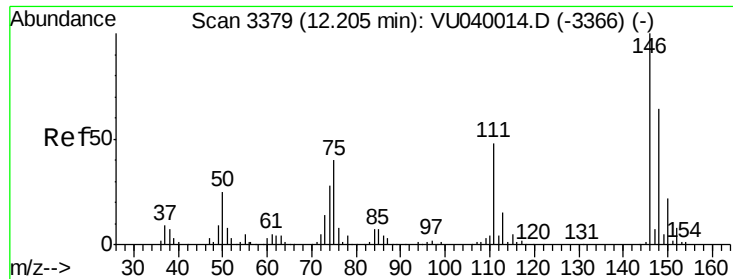
#63
 1,4-Dichlorobenzene
 Concen: 4.873 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Tgt Ion:146 Resp: 107738
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.5 56.7
 148 63.3 45.4 84.4



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: 4.878 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

Instrument :

MSVOA_U

ClientSampled :

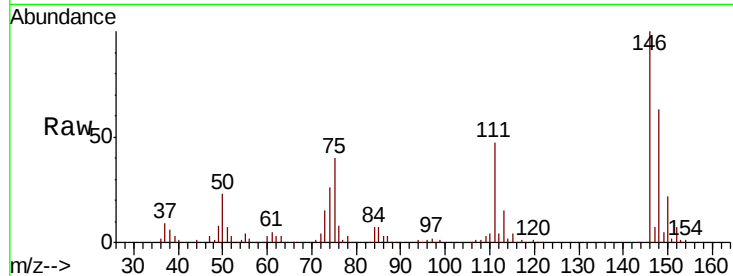
Tot Ion:146 Resp: 103114

Ion Ratio Lower Upper

146 100

111 47.4 36.5 54.7

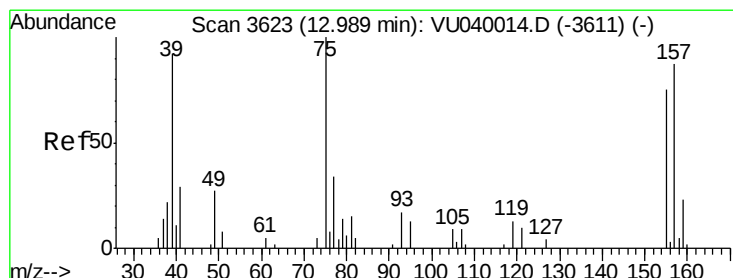
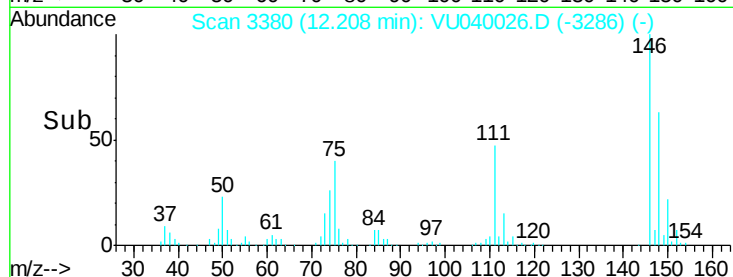
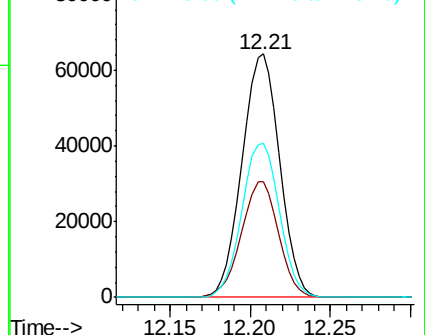
148 63.2 48.6 72.8



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: 4.551 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040026.D

Acq: 02 Sep 2020 16:01

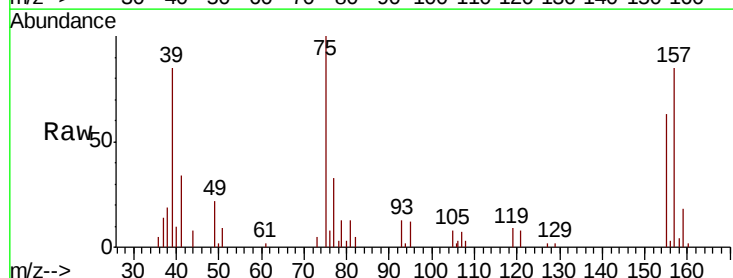
Tgt Ion: 75 Resp: 10289

Ion Ratio Lower Upper

75 100

155 63.0 54.6 82.0

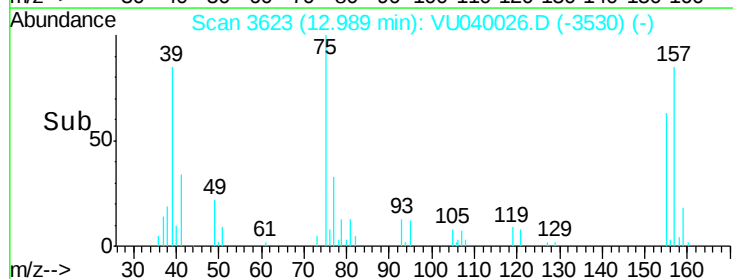
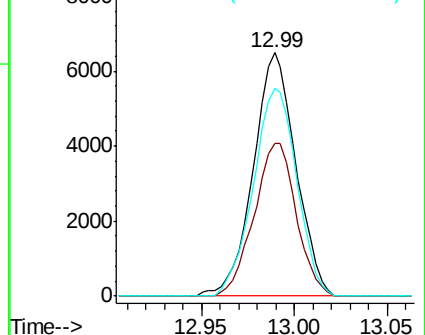
157 85.4 75.6 113.4

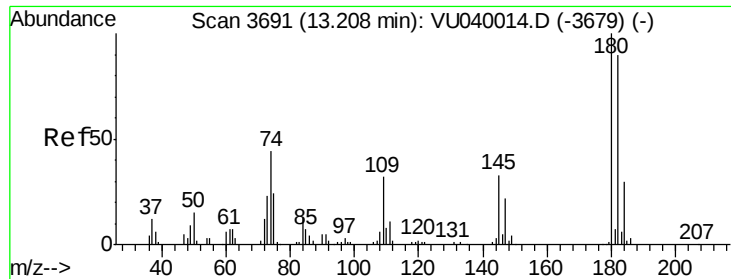


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

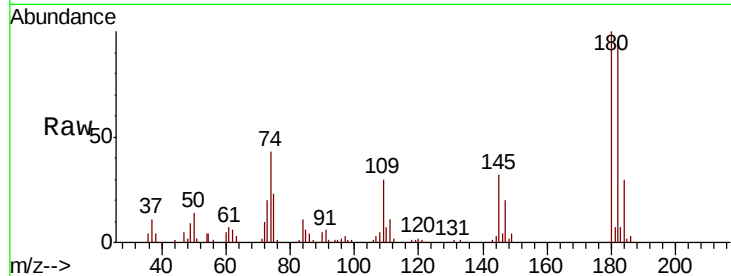




#67
 1,3,5-Trichlorobenzene
 Concen: 4.753 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.9	115.3
184	29.9	24.6	36.8
145	33.9	27.0	40.6

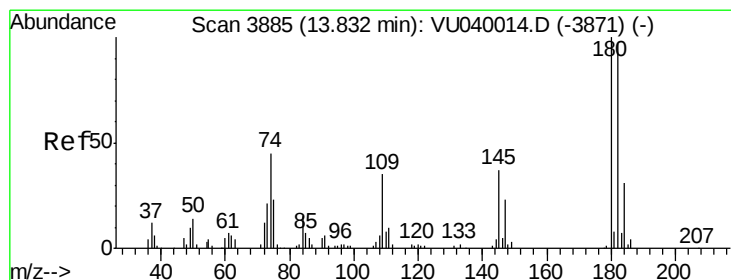
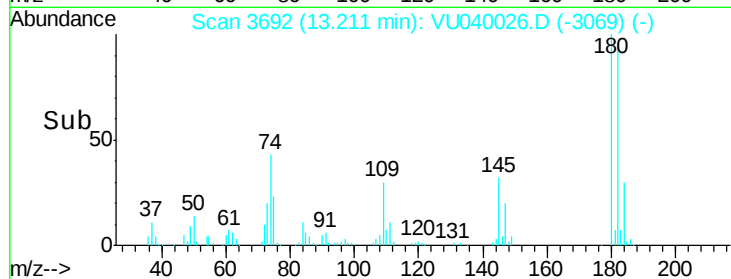
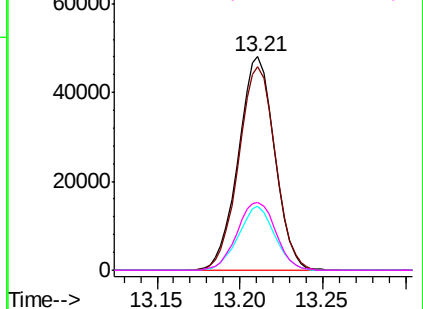


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

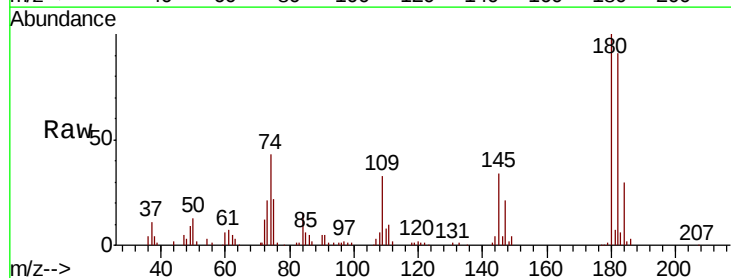
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.655 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040026.D
 Acq: 02 Sep 2020 16:01

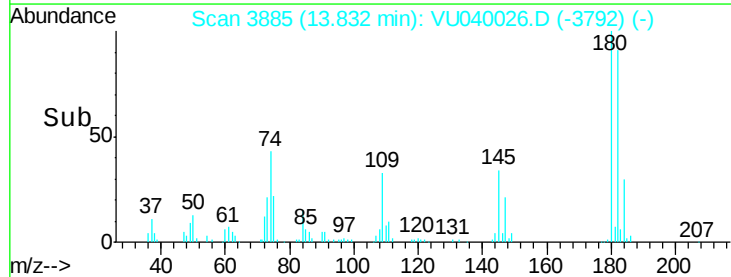
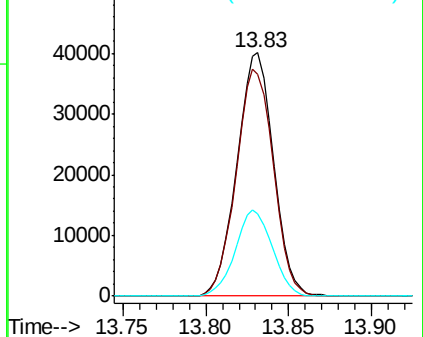
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	35.7	28.4	42.6

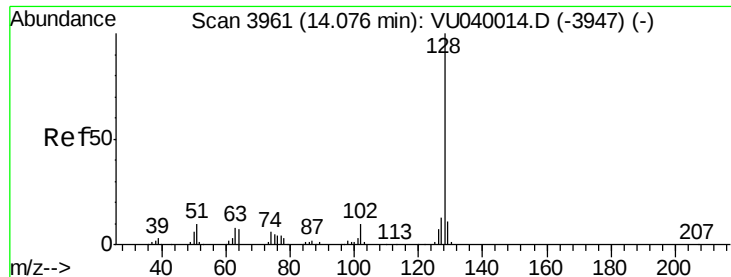


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

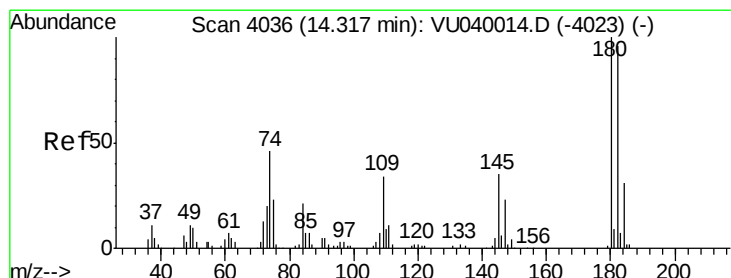
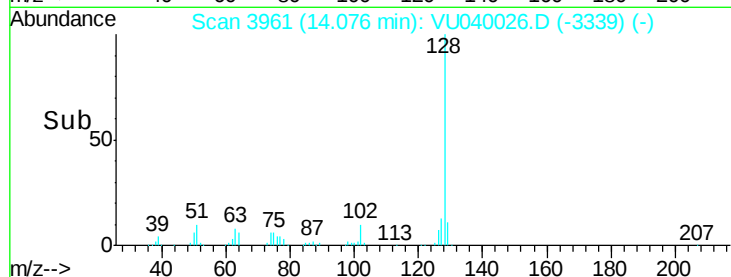
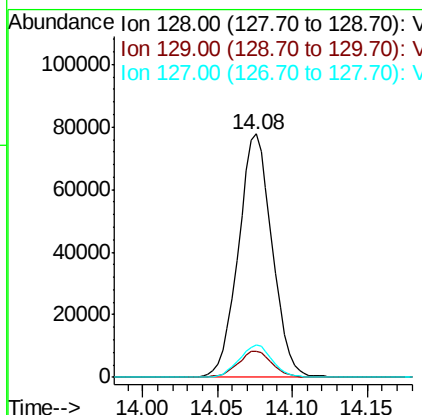
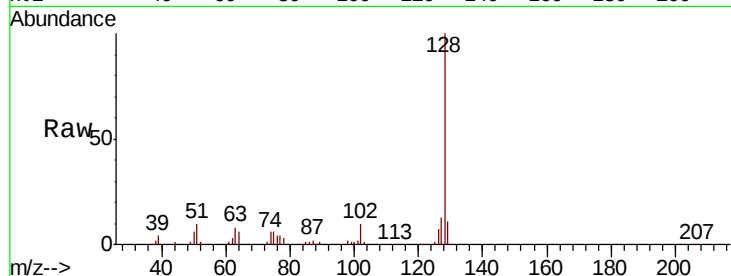




#69
Naphthalene
Concen: 4.423 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 122006
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.2 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 4.689 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040026.D
Acq: 02 Sep 2020 16:01

Tgt Ion:180 Resp: 56997
Ion Ratio Lower Upper
180 100
182 93.8 77.8 116.6
145 37.9 28.7 43.1

