

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080320\
 Data File : VU039740.D
 Acq On : 03 Aug 2020 15:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 04 01:10:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 03 17:44:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	88320	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89254	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27428	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.92	69	25244	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.57	63	55567	5.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.80%
20) 2-Butanone-d5	4.66	46	110870	52.86	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.72%
24) Chloroform-d	5.08	84	60390	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	35657	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	108287	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	34927	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.90	98	94773	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.18	79	14506	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.64	63	79383	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35213	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	42071	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	38907	5.463	ug/L	97
3) Chloromethane	1.53	50	41277	5.511	ug/L	93
5) Vinyl chloride	1.61	62	40179	5.595	ug/L	100
6) Bromomethane	1.86	94	23610	5.196	ug/L	100
8) Chloroethane	1.94	64	24806	4.711	ug/L	99
9) Trichlorofluoromethane	2.14	101	67528	6.047	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32060	5.290	ug/L	94
12) 1,1-Dichloroethene	2.59	96	30641	5.816	ug/L	94
13) Acetone	2.66	43	72084	58.292	ug/L	94
14) Carbon disulfide	2.80	76	94348	5.727	ug/L	97
15) Methyl Acetate	2.97	43	15935	5.225	ug/L #	87
16) Methylene chloride	3.06	84	32046	3.773	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	74749	5.343	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	30095	5.131	ug/L	97
19) 1,1-Dichloroethane	3.89	63	54182	5.004	ug/L	96
21) 2-Butanone	4.74	43	104722	53.738	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	32039	5.022	ug/L	94

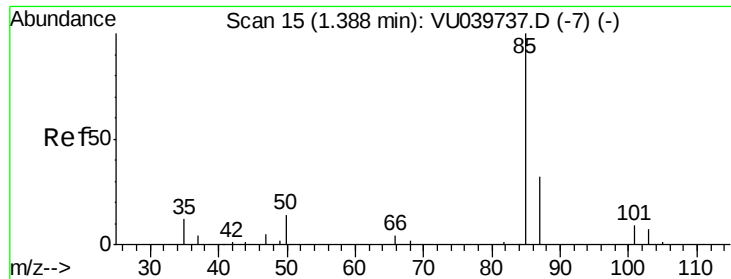
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U080320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	15987	5.335	ug/L	95
25) Chloroform	5.11	83	56726	4.873	ug/L	98
27) 1,2-Dichloroethane	5.81	62	40647	5.067	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	48867	4.908	ug/L	98
30) Cyclohexane	5.40	56	51025	5.326	ug/L	98
31) Carbon tetrachloride	5.54	117	44135	4.831	ug/L	96
33) Benzene	5.79	78	122790	5.049	ug/L	100
34) Trichloroethene	6.55	95	31534	4.993	ug/L	96
35) Methylcyclohexane	6.77	83	52926	5.250	ug/L	97
37) 1,2-Dichloropropane	6.80	63	30523	4.726	ug/L	98
38) Bromodichloromethane	7.11	83	40515	4.794	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	45029	5.112	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	245132	50.787	ug/L	99
42) Toluene	7.97	91	131016	5.127	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	40838	5.146	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	24080	4.956	ug/L	95
47) Tetrachloroethene	8.56	164	25164	4.830	ug/L	93
48) 2-Hexanone	8.69	43	180886	51.898	ug/L	99
49) Dibromochloromethane	8.82	129	28562	4.791	ug/L	97
50) 1,2-Dibromoethane	8.93	107	23960	5.029	ug/L	97
51) Chlorobenzene	9.45	112	86999	5.066	ug/L	95
52) Ethylbenzene	9.57	91	141024	4.931	ug/L	96
53) m,p-Xylene	9.69	106	55917	5.134	ug/L	87
54) o-Xylene	10.10	106	56066	5.257	ug/L	100
55) Styrene	10.11	104	94601	5.267	ug/L	98
56) Isopropylbenzene	10.48	105	145043	5.088	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	31749	4.750	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	23157	4.970	ug/L	99
61) Bromoform	10.29	173	16793	5.320	ug/L	93
62) 1,3-Dichlorobenzene	11.74	146	70462	5.153	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	74042	5.137	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	68226	5.065	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5601	5.500	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	61705	5.955	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	46407	5.344	ug/L	98
69) Naphthalene	14.08	128	88778	5.718	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	43752	5.616	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.463 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

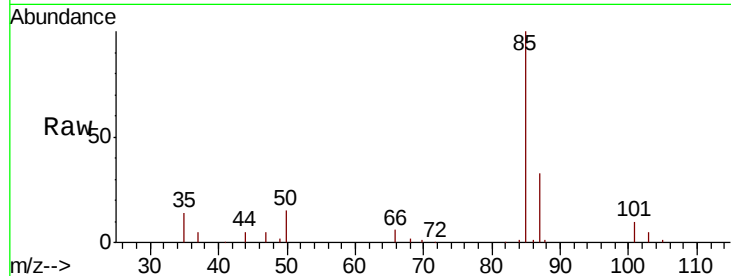
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 38907

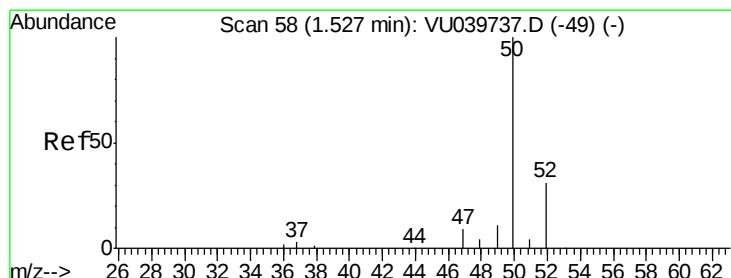
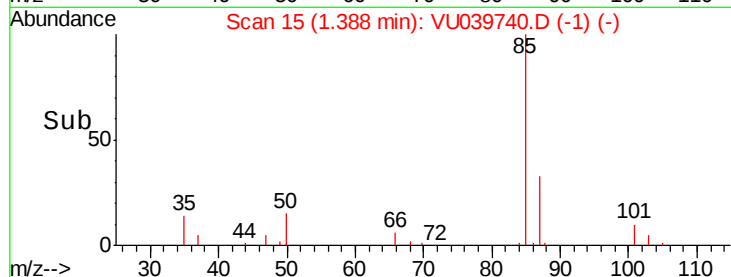
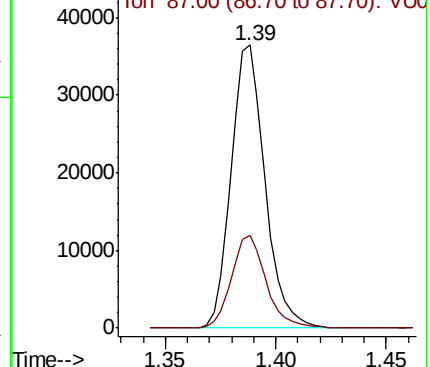
Ion Ratio Lower Upper

85 100

87 33.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039737.D (-7) (-)



#3

Chloromethane

Concen: 5.511 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039740.D

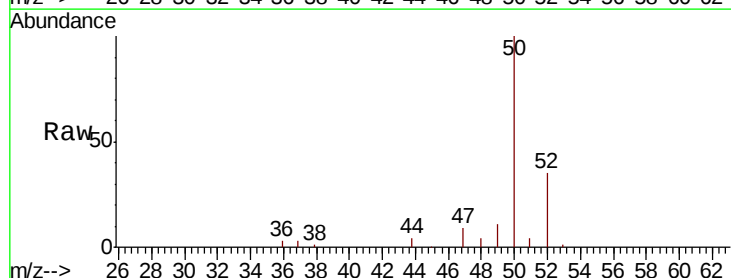
Acq: 03 Aug 2020 15:23

Tgt Ion: 50 Resp: 41277

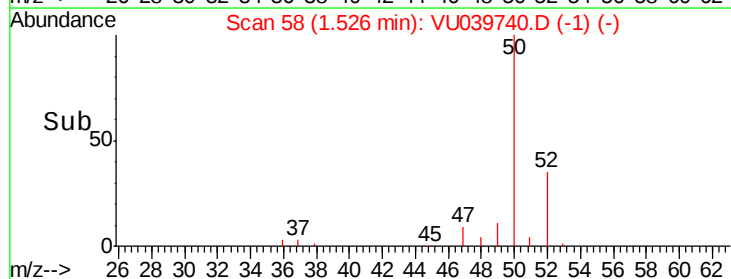
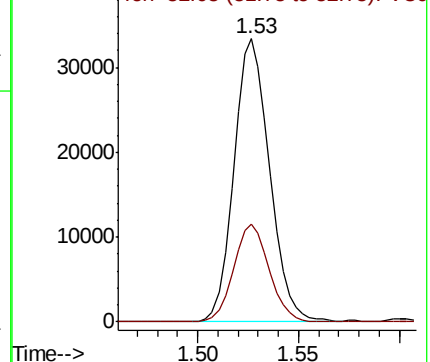
Ion Ratio Lower Upper

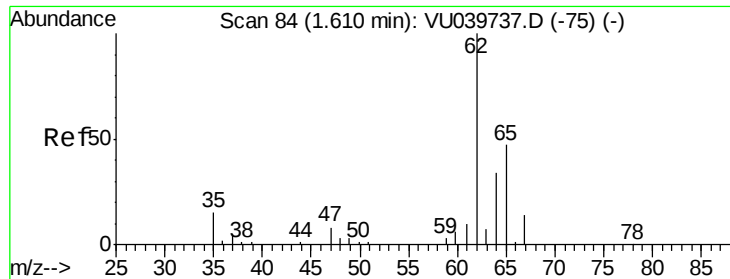
50 100

52 34.5 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039737.D (-49) (-)





#5

Vinyl chloride

Concen: 5.595 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

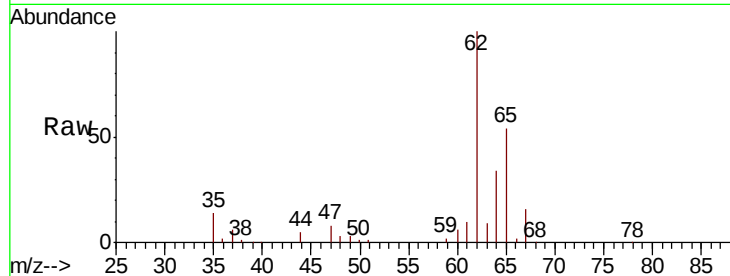
ClientSampled :

Tot Ion: 62 Resp: 40179

Ion Ratio Lower Upper

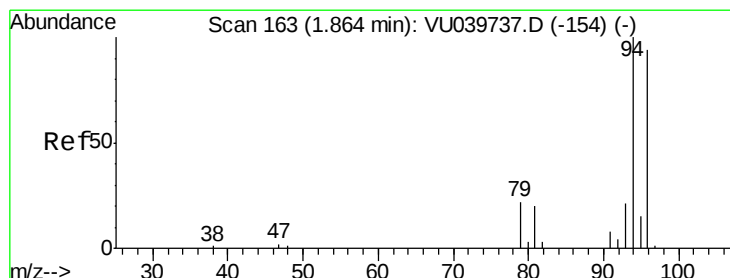
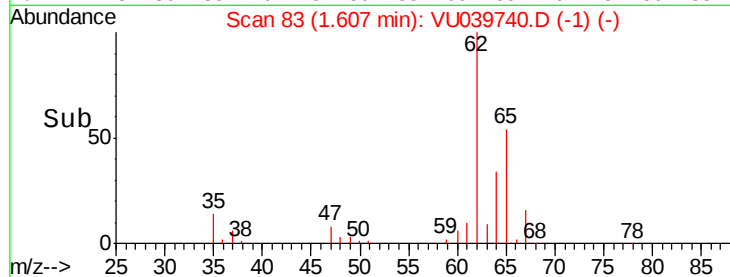
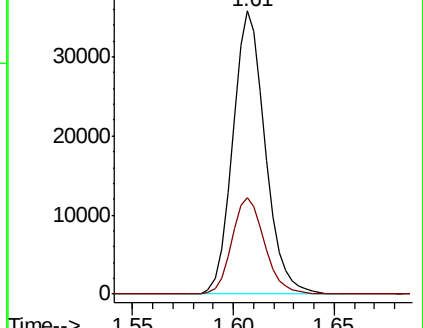
62 100

64 34.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039737.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039737.D (-75) (-)



#6

Bromomethane

Concen: 5.196 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039740.D

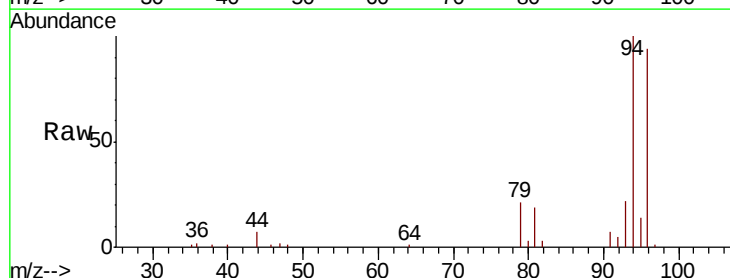
Acq: 03 Aug 2020 15:23

Tgt Ion: 94 Resp: 23610

Ion Ratio Lower Upper

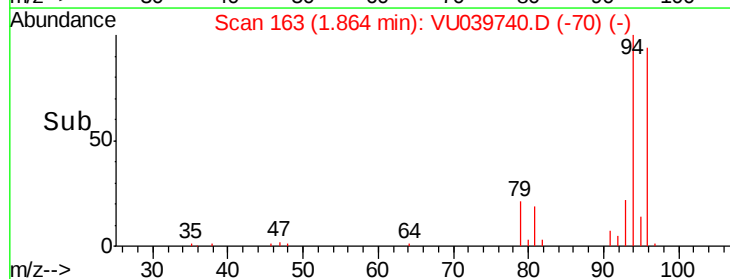
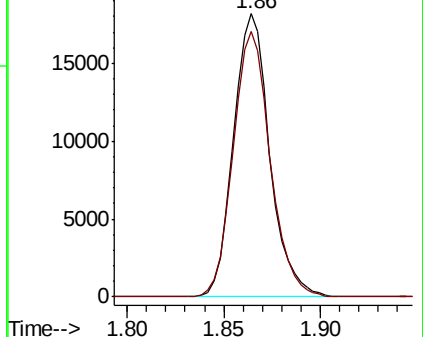
94 100

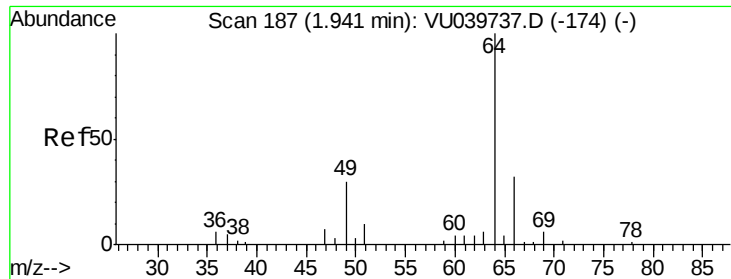
96 93.7 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU039737.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039737.D (-154) (-)





#8

Chloroethane

Concen: 4.711 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

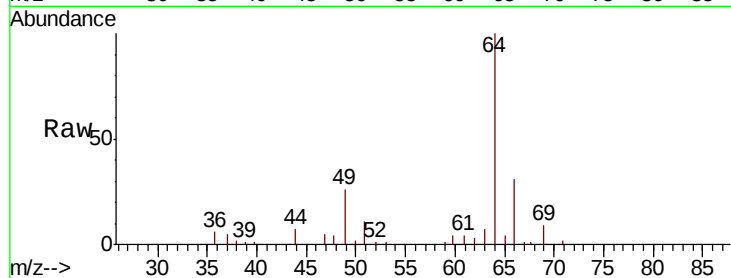
ClientSampleId :

Tot Ion: 64 Resp: 24806

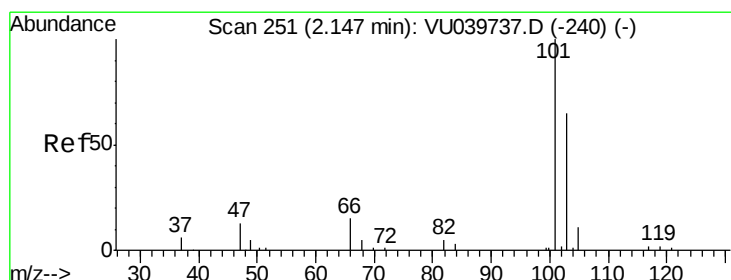
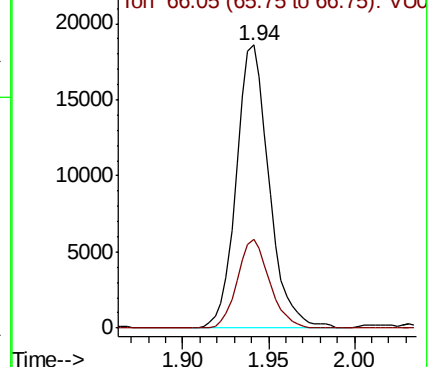
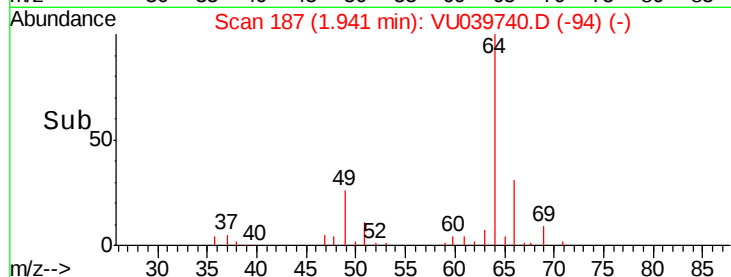
Ion Ratio Lower Upper

64 100

66 31.3 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039740.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 6.047 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU039740.D

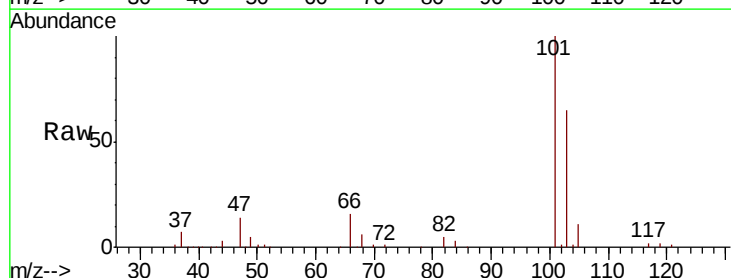
Acq: 03 Aug 2020 15:23

Tgt Ion:101 Resp: 67528

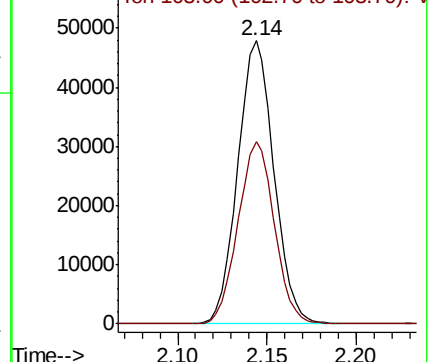
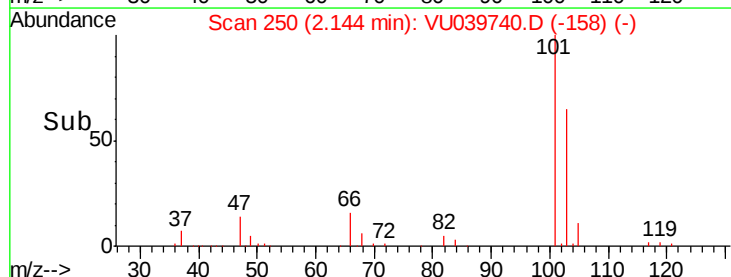
Ion Ratio Lower Upper

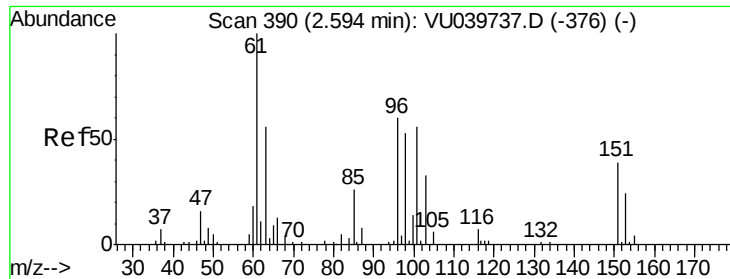
101 100

103 64.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039740.D (-158) (-)





#10

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

Concen: 5.290 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

ClientSampled :

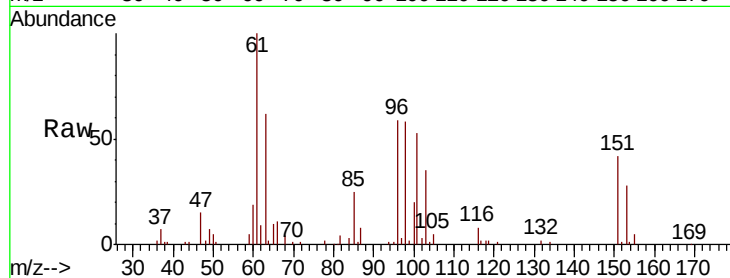
Tot Ion:101 Resp: 32060

Ion Ratio Lower Upper

101 100

85 46.2 37.9 56.9

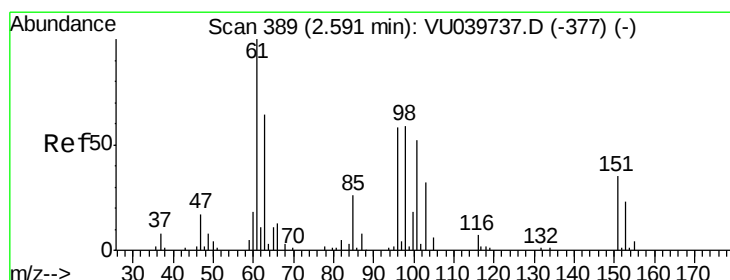
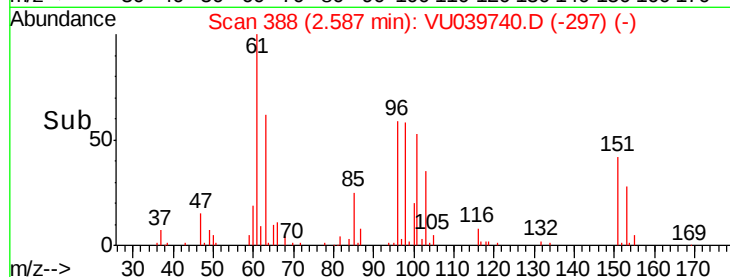
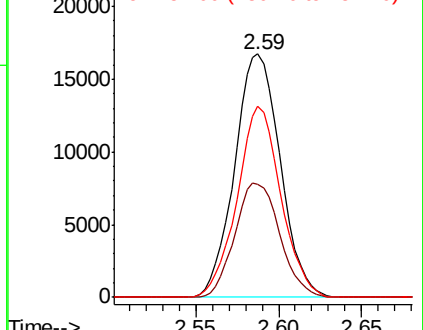
151 75.3 54.7 82.1



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: 5.816 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

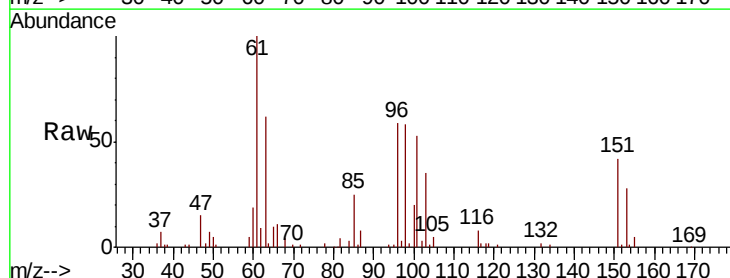
Tgt Ion: 96 Resp: 30641

Ion Ratio Lower Upper

96 100

61 169.9 121.7 225.9

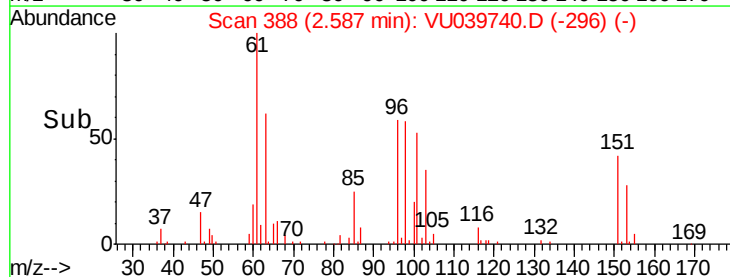
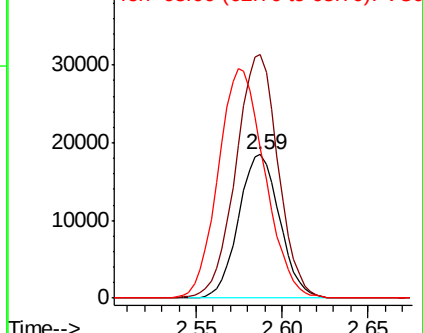
63 105.2 82.1 152.5

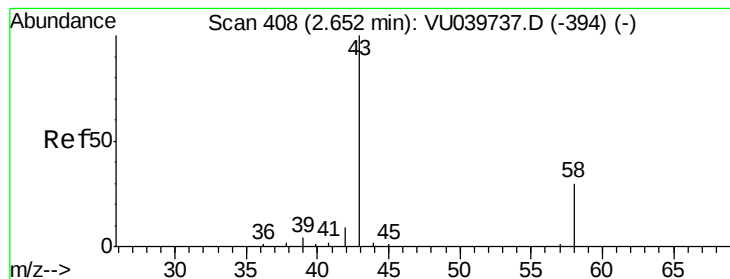


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 58.292 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

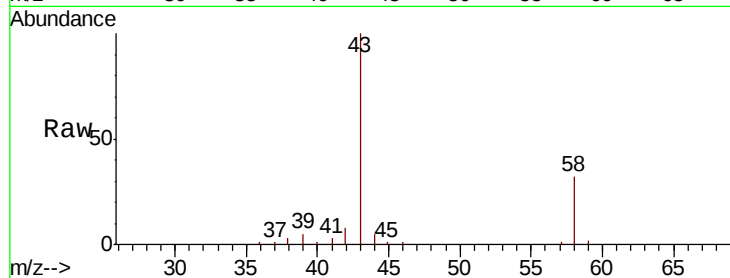
ClientSampleId :

Tot Ion: 43 Resp: 72084

Ion Ratio Lower Upper

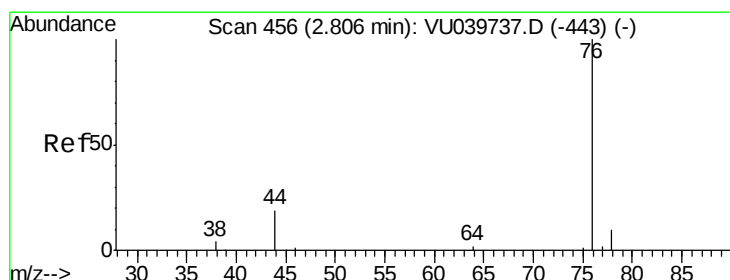
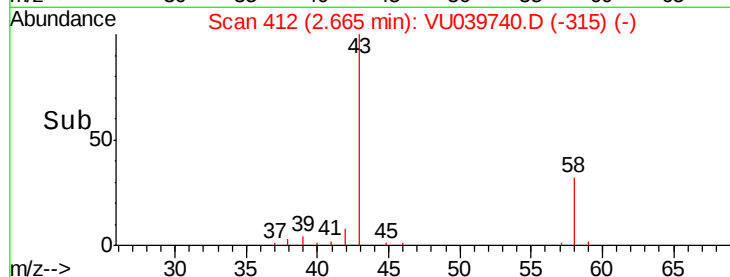
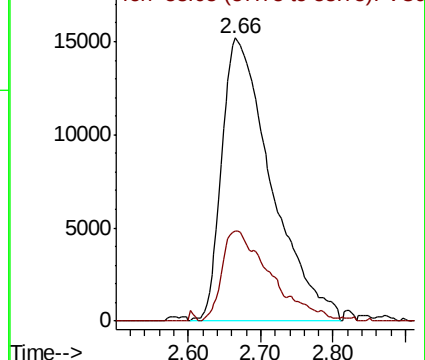
43 100

58 27.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039737.D (-394) (-)



#14

Carbon disulfide

Concen: 5.727 ug/L

RT: 2.80 min Scan# 454

Delta R.T. -0.01 min

Lab File: VU039740.D

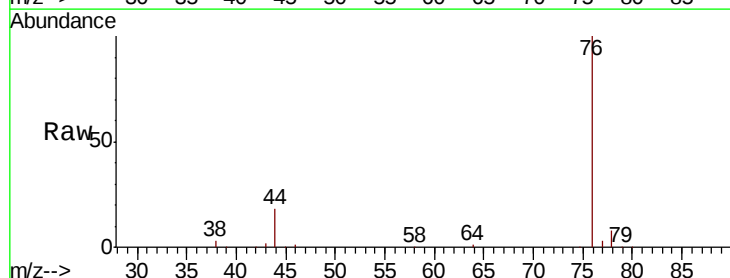
Acq: 03 Aug 2020 15:23

Tgt Ion: 76 Resp: 94348

Ion Ratio Lower Upper

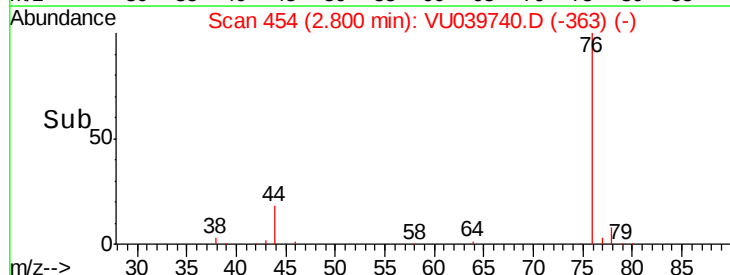
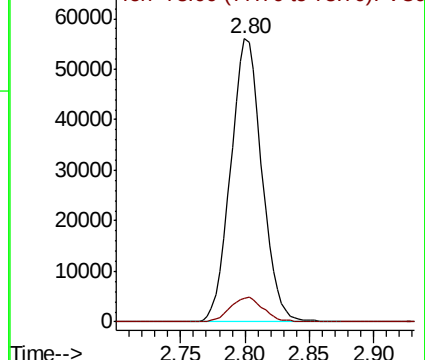
76 100

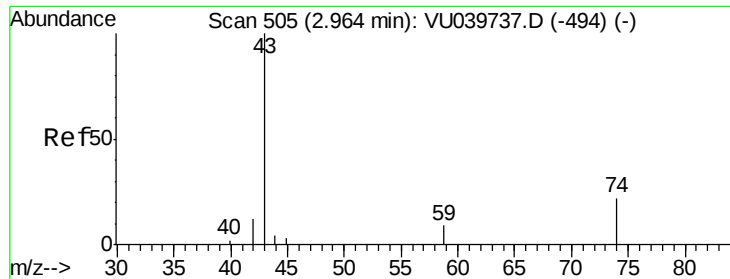
78 8.4 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039737.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039737.D (-443) (-)





#15

Methyl Acetate

Concen: 5.225 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

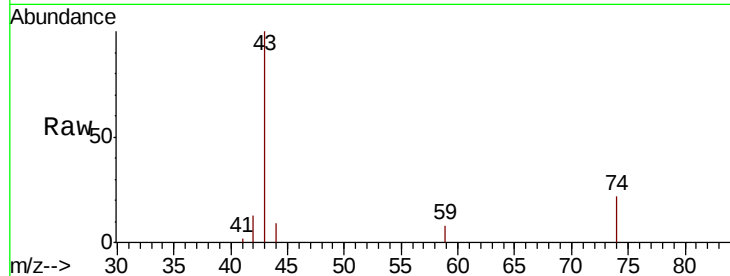
ClientSampleId :

Tot Ion: 43 Resp: 15935

Ion Ratio Lower Upper

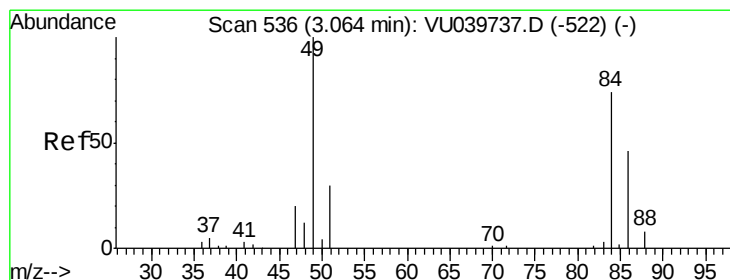
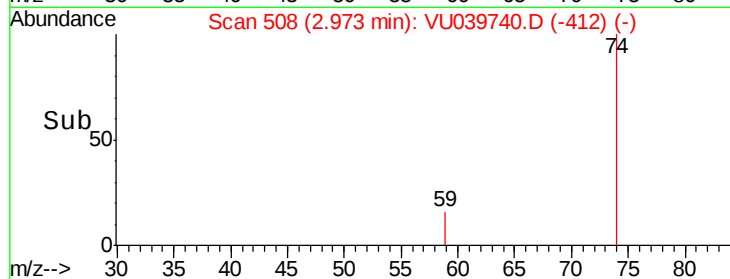
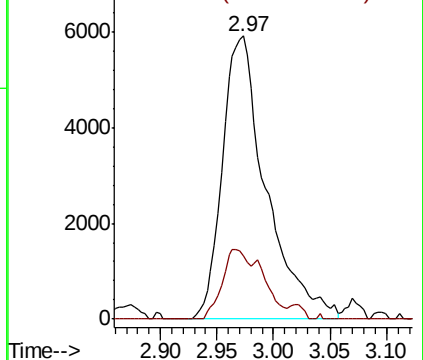
43 100

74 14.8 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039737.D (-494) (-)



#16

Methylene chloride

Concen: 3.773 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

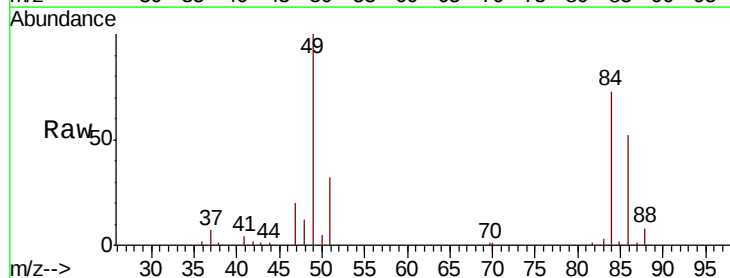
Tgt Ion: 84 Resp: 32046

Ion Ratio Lower Upper

84 100

86 71.3 43.9 81.5

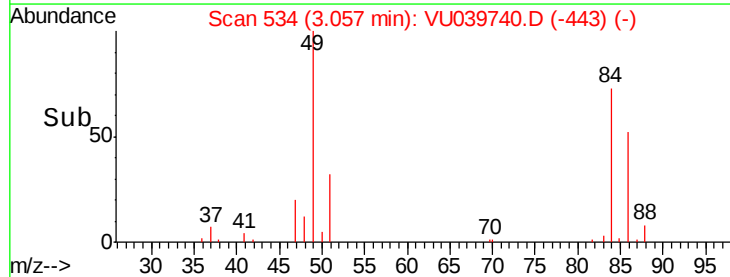
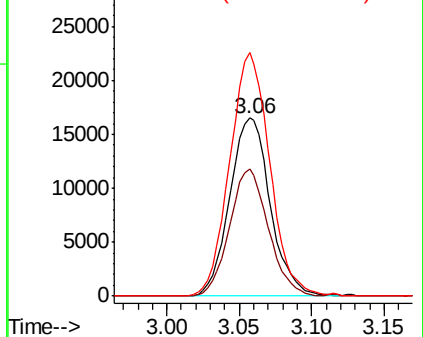
49 137.0 94.4 175.4

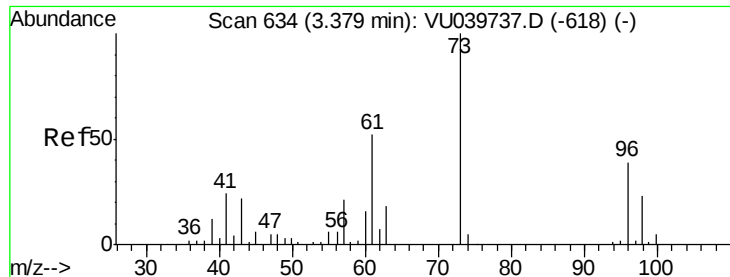


Abundance Ion 84.05 (83.75 to 84.75): VU039737.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039737.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039737.D (-522) (-)

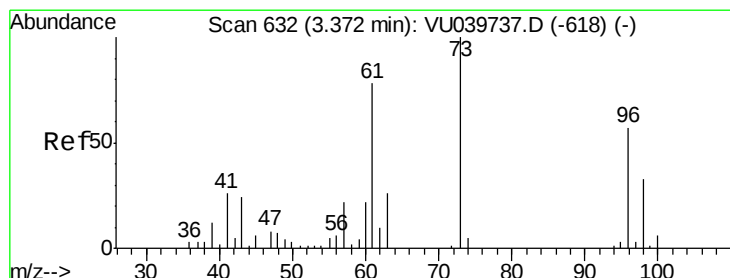
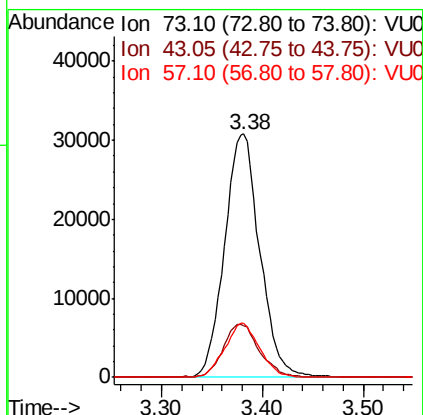
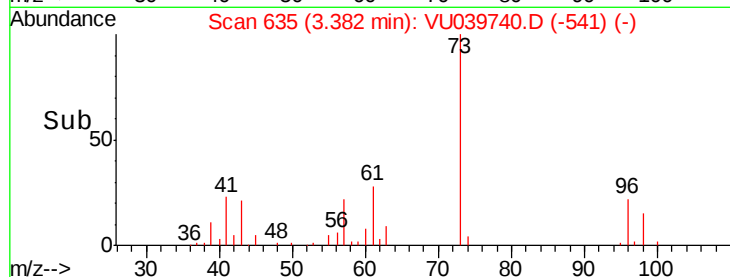
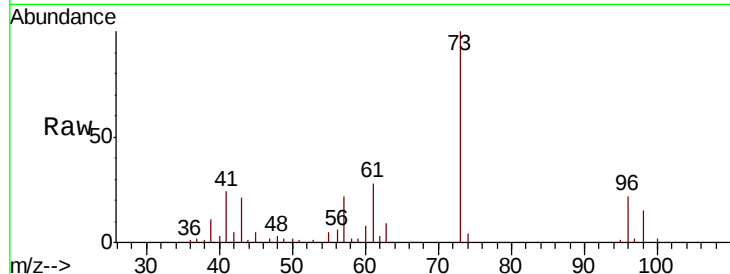




#17
Methvl tert-butvl Ether
Concen: 5.343 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

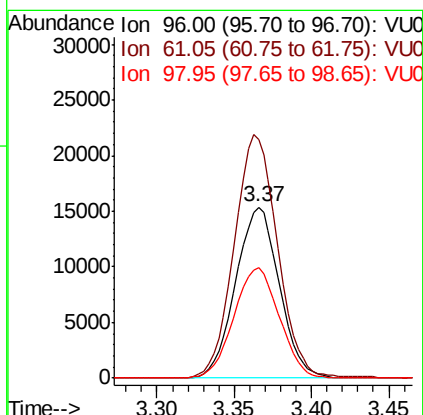
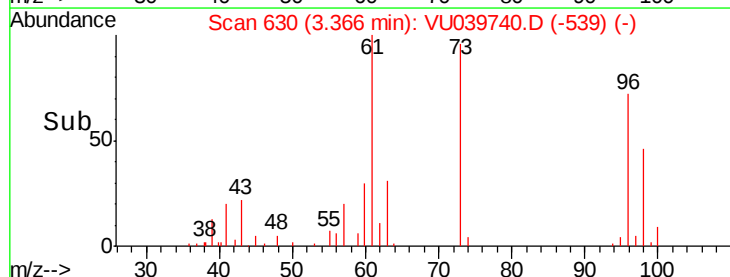
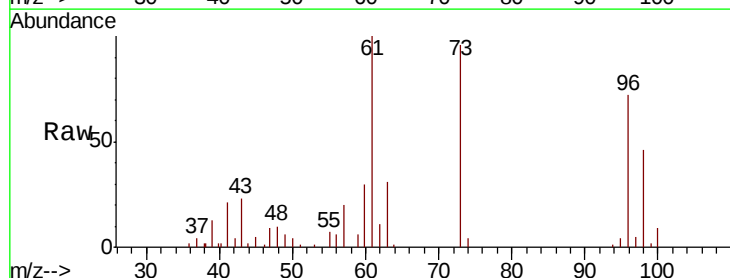
Instrument :
MSVOA_U
ClientSampleId :

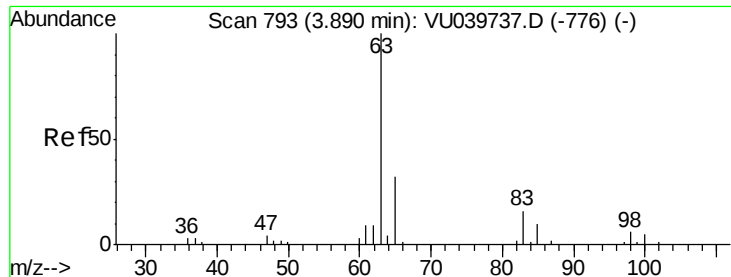
Tot Ion: 73 Resp: 74749
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.4
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.131 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 96 Resp: 30095
Ion Ratio Lower Upper
96 100
61 139.8 96.5 179.1
98 64.3 40.9 76.0





#19

1,1-Dichloroethane

Concen: 5.004 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :
MSVOA_U
ClientSampleId :

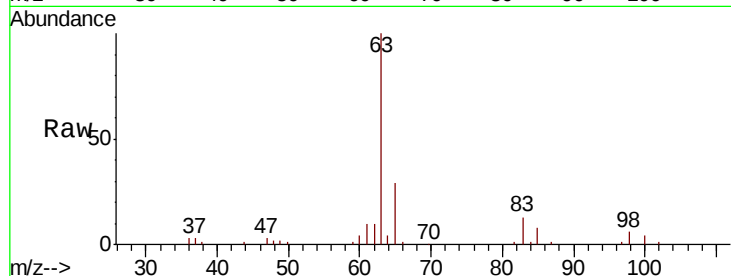
Tot Ion: 63 Resp: 54182

Ion Ratio Lower Upper

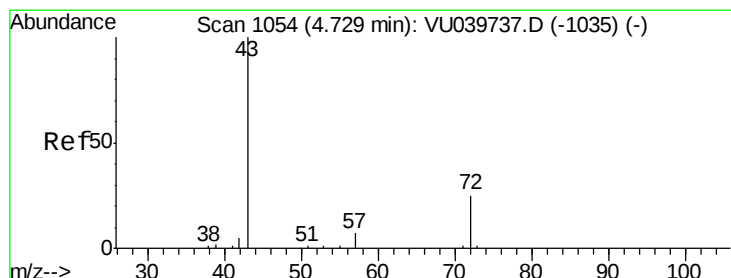
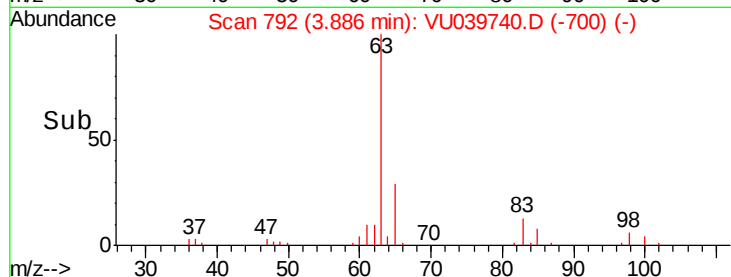
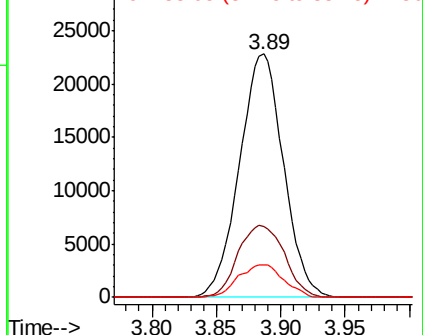
63 100

65 29.3 22.0 41.0

83 13.3 10.9 20.2



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: 53.738 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU039740.D

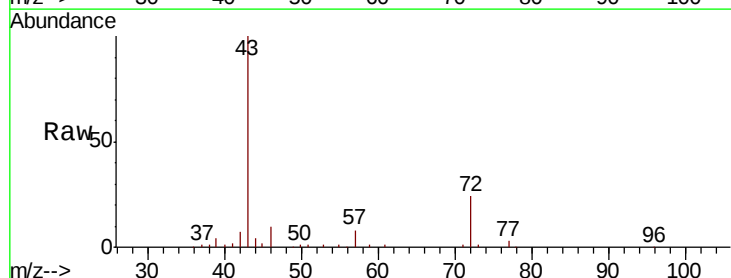
Acq: 03 Aug 2020 15:23

Tgt Ion: 43 Resp: 104722

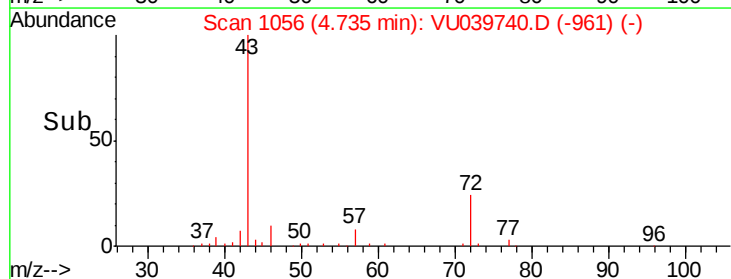
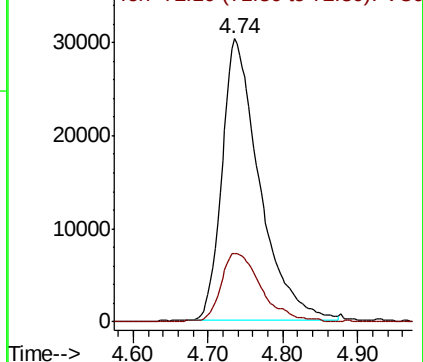
Ion Ratio Lower Upper

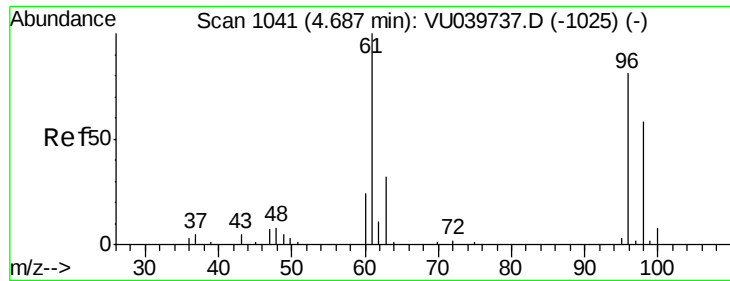
43 100

72 24.8 13.0 39.0



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

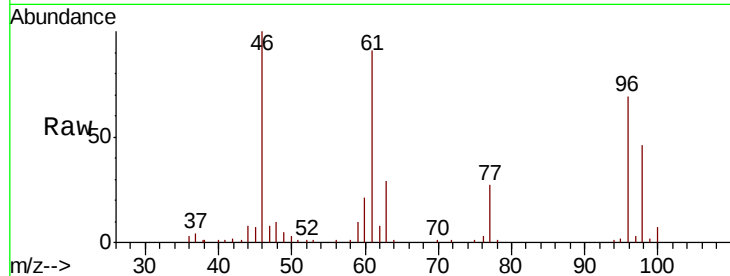




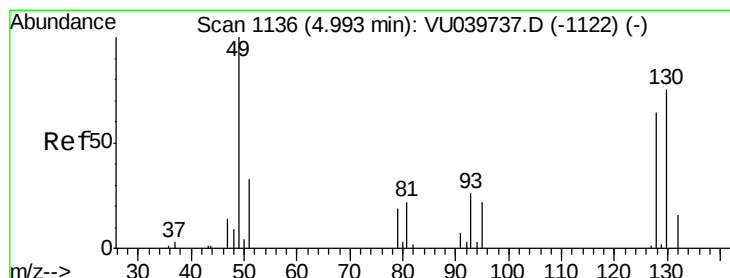
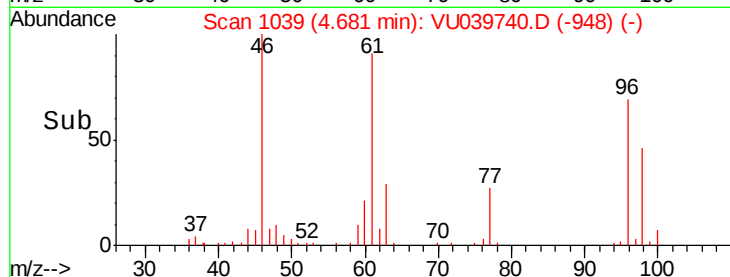
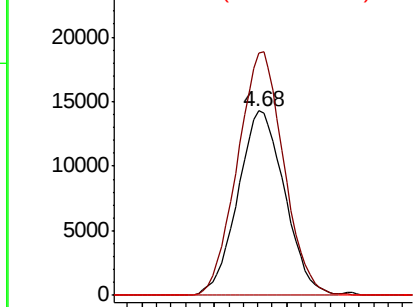
#22
 cis-1,2-Dichloroethene
 Concen: 5.022 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 32039
 Ion Ratio Lower Upper
 96 100
 61 131.3 87.4 162.2
 68 0.0 0.0 0.0

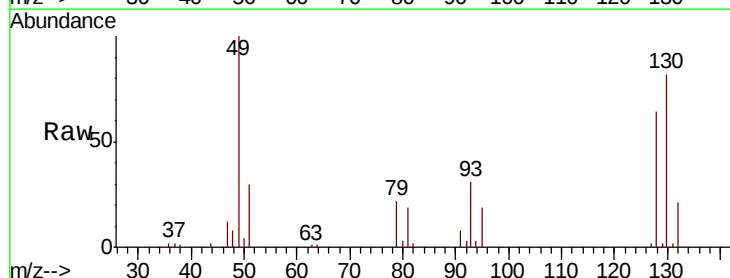


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

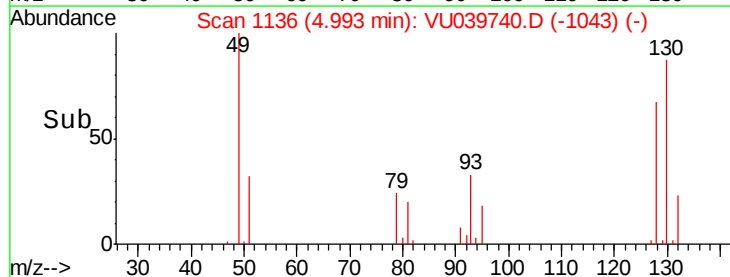
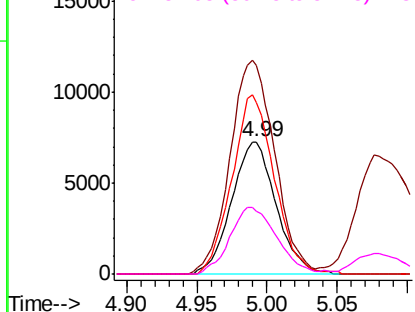


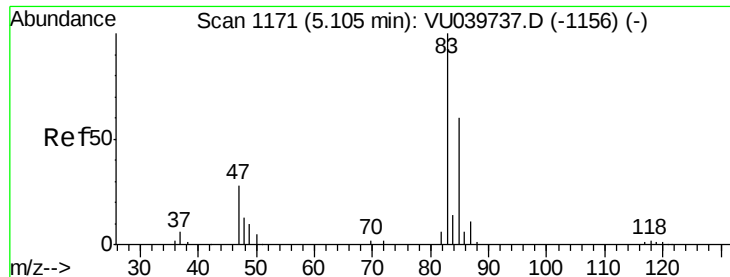
#23
 Bromochloromethane
 Concen: 5.335 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion: 128 Resp: 15987
 Ion Ratio Lower Upper
 128 100
 49 157.3 110.3 204.9
 130 129.3 82.0 152.4
 51 47.6 40.8 61.2



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

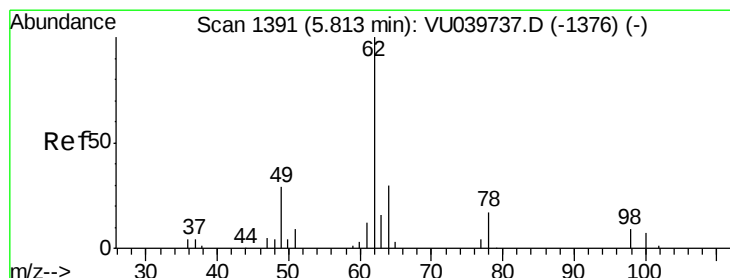
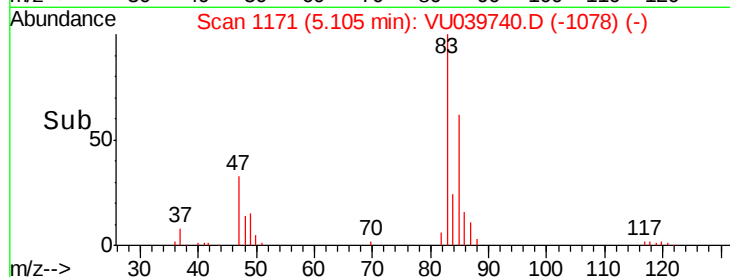
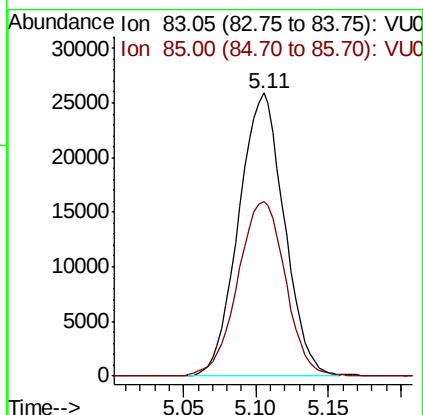
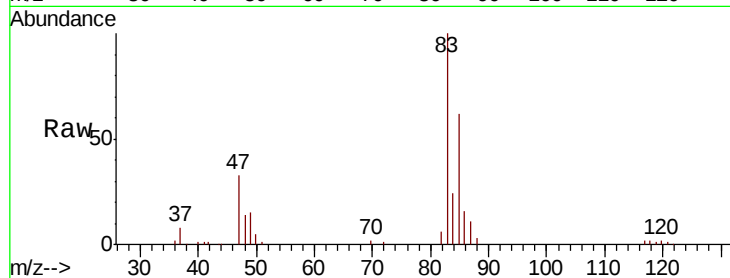




#25
Chloroform
Concen: 4.873 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

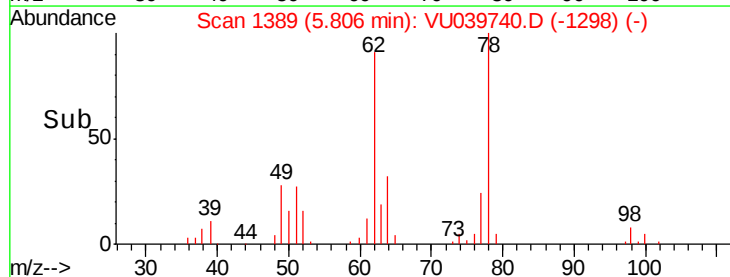
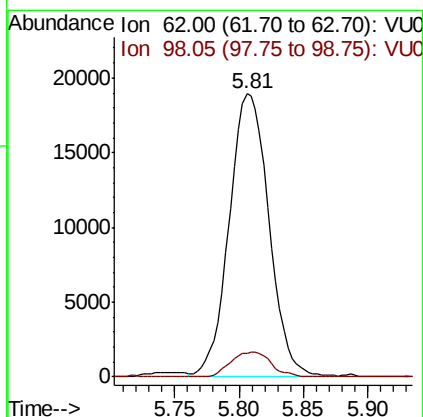
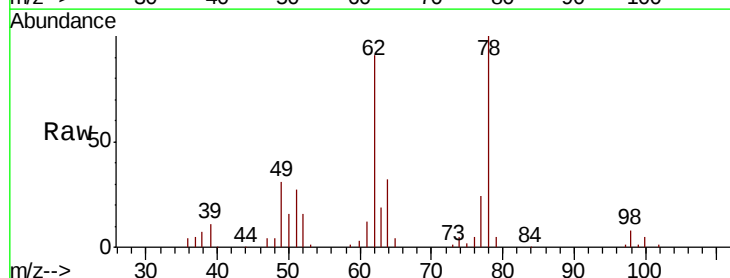
Instrument :
MSVOA_U
ClientSampleId :

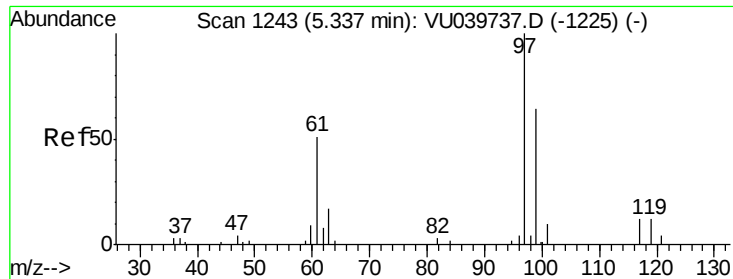
Tot Ion: 83 Resp: 56726
Ion Ratio Lower Upper
83 100
85 61.6 42.1 78.3



#27
1,2-Dichloroethane
Concen: 5.067 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

Tgt Ion: 62 Resp: 40647
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9

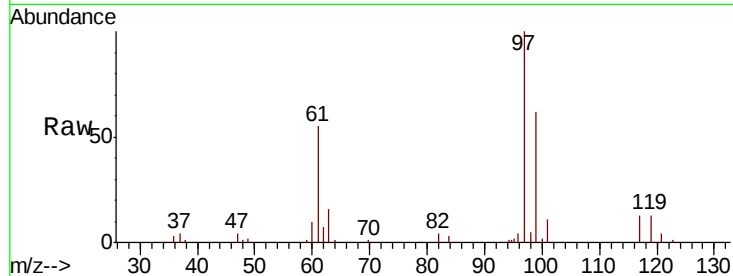




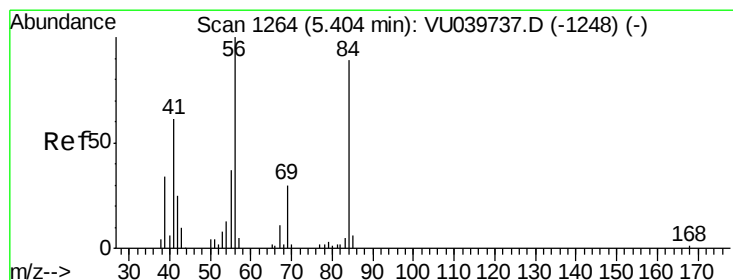
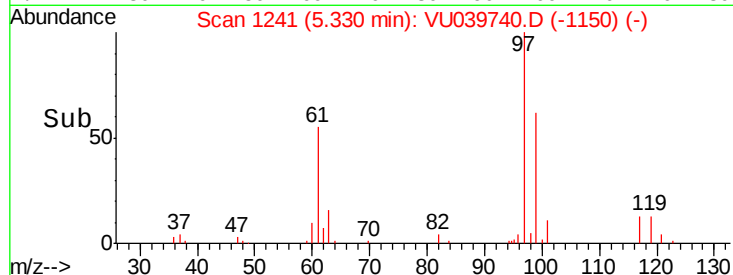
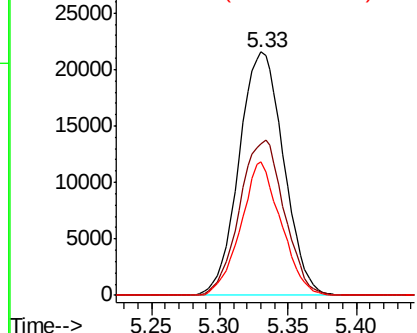
#29
 1,1,1-Trichloroethane
 Concen: 4.908 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 48867
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.8 79.2
 61 49.5 40.5 60.7

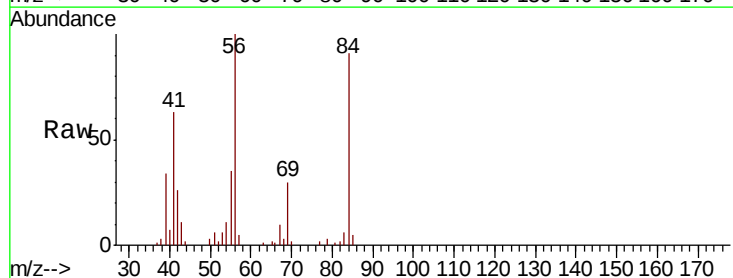


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

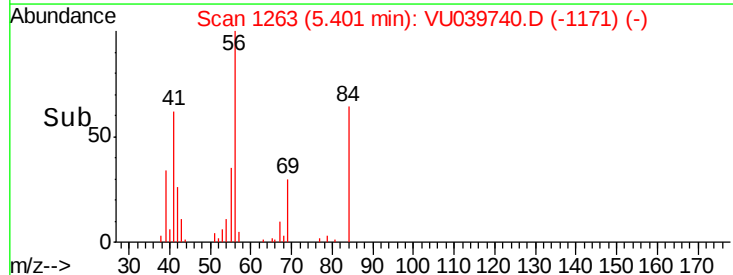
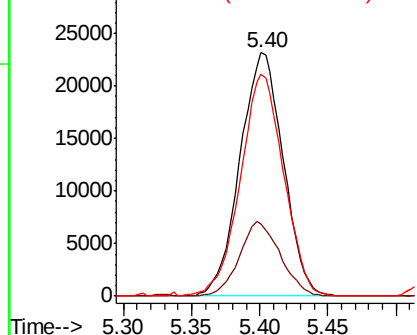


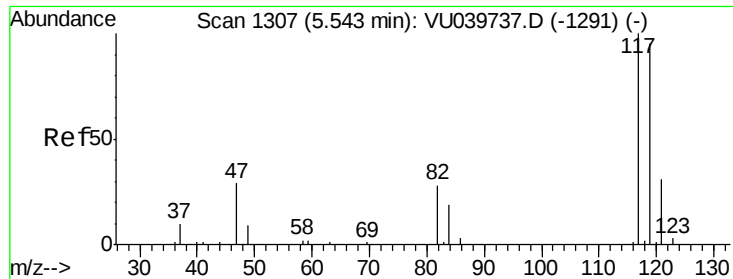
#30
 Cyclohexane
 Concen: 5.326 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion: 56 Resp: 51025
 Ion Ratio Lower Upper
 56 100
 69 28.9 24.4 36.6
 84 91.2 71.3 106.9



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

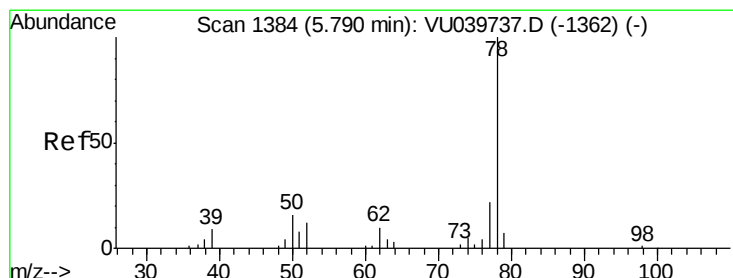
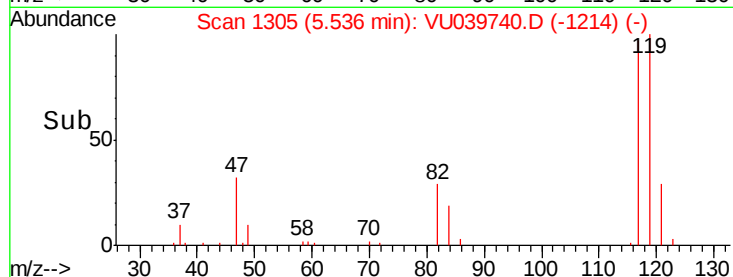
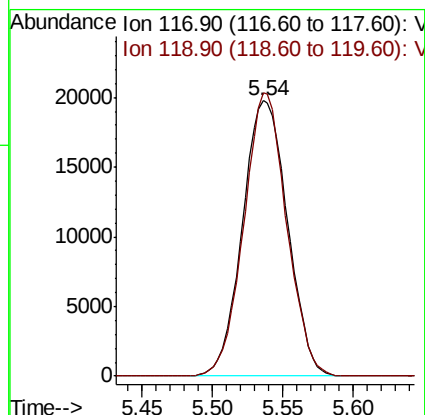
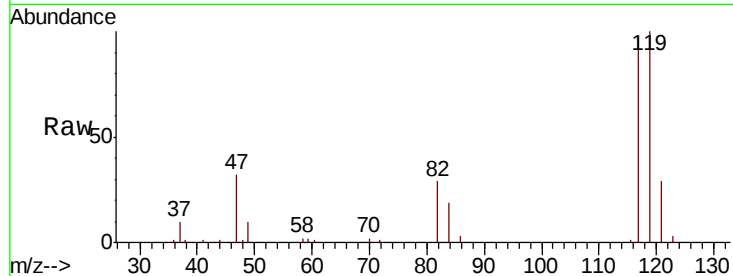




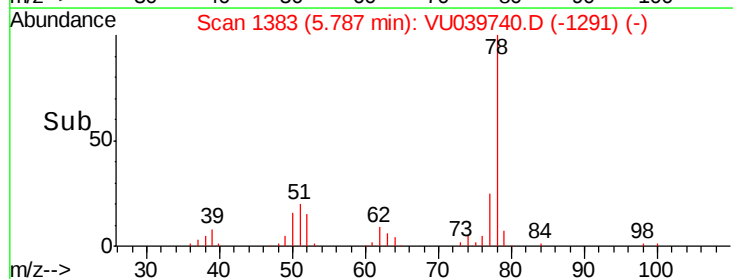
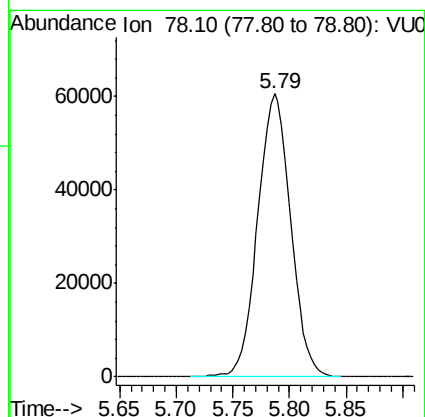
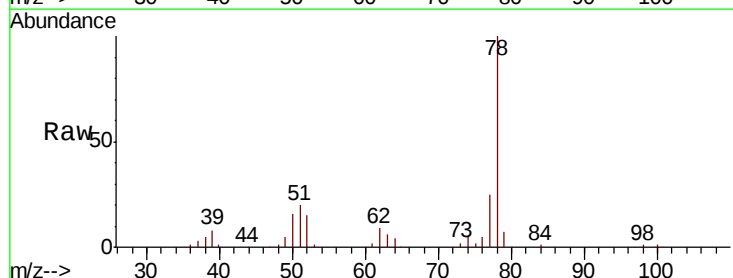
#31
Carbon tetrachloride
Concen: 4.831 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

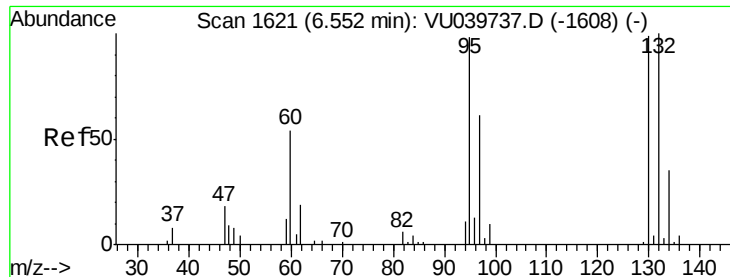
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 44135
Ion Ratio Lower Upper
117 100
119 97.8 75.5 113.3



#33
Benzene
Concen: 5.049 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23
Tgt Ion: 78 Resp: 122790

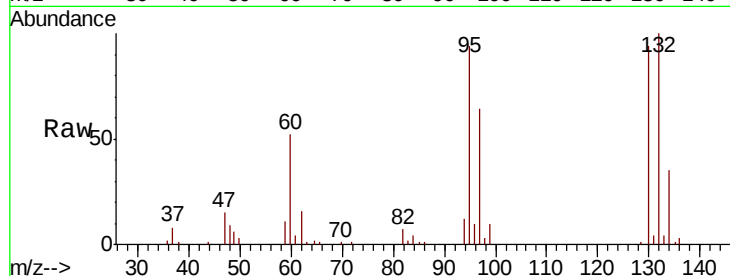




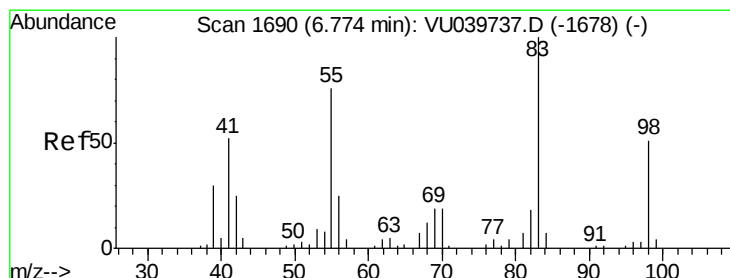
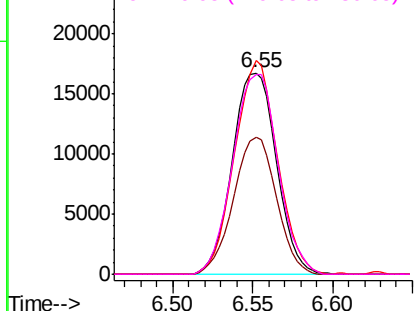
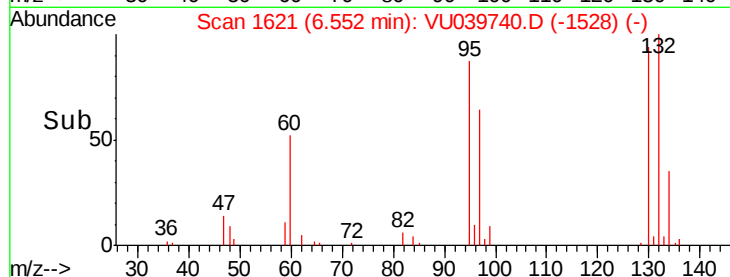
#34
 Trichloroethene
 Concen: 4.993 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 31534
 Ion Ratio Lower Upper
 95 100
 97 68.3 44.0 81.8
 132 106.0 71.7 133.3
 130 99.3 71.1 132.1

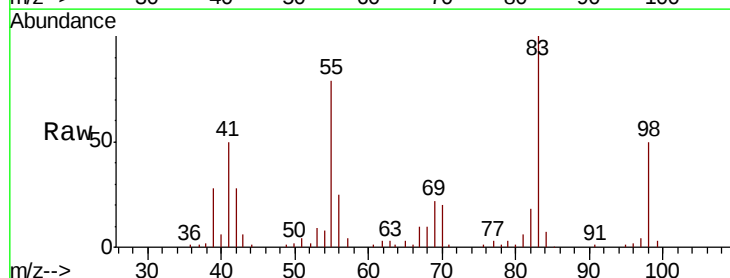


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

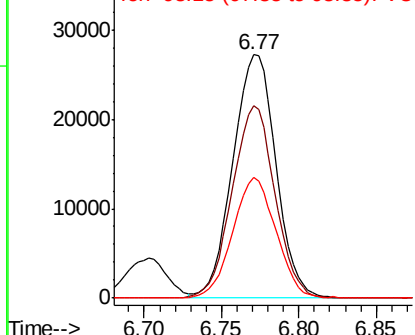
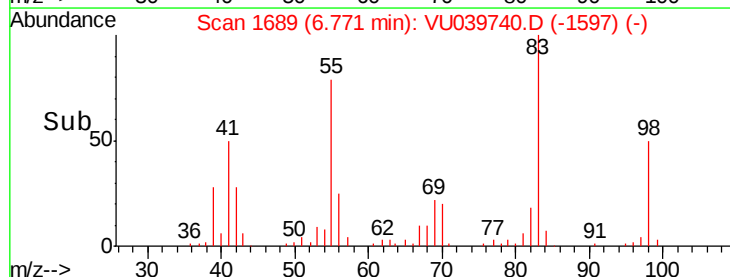


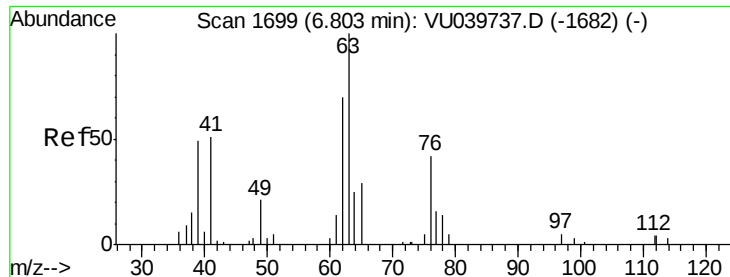
#35
 Methylcyclohexane
 Concen: 5.250 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion: 83 Resp: 52926
 Ion Ratio Lower Upper
 83 100
 55 78.1 59.4 89.0
 98 49.4 39.0 58.4



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: 4.726 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

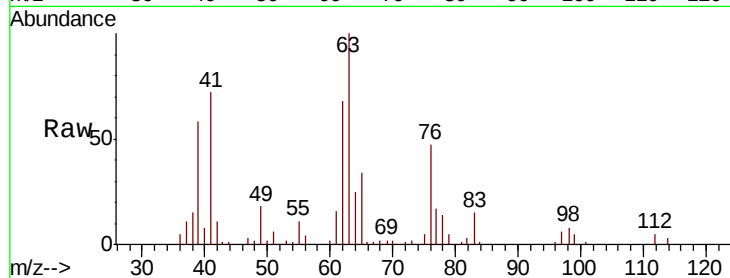
ClientSampleId :

Tot Ion: 63 Resp: 30523

Ion Ratio Lower Upper

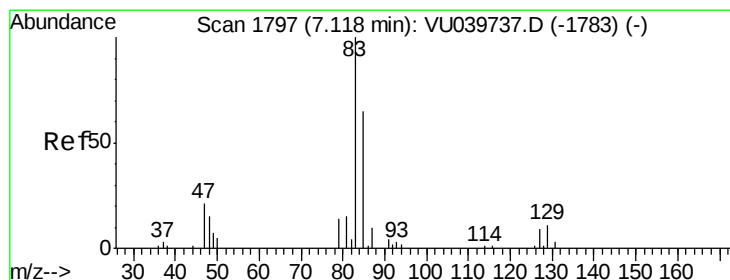
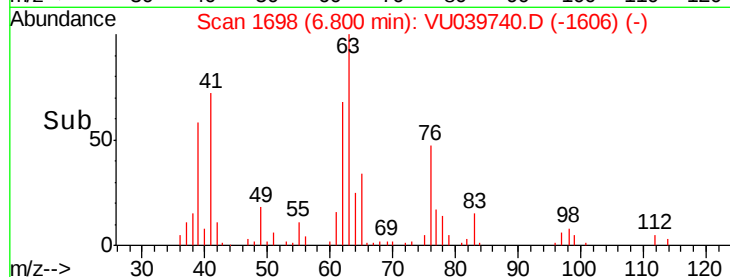
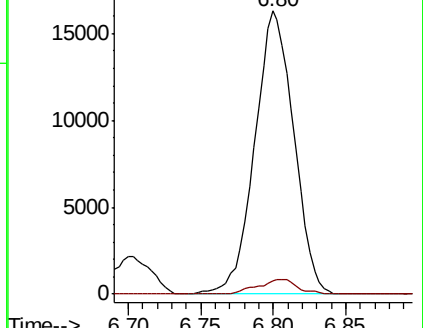
63 100

112 5.2 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039737.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039737.D (-1682) (-)



#38

Bromodichloromethane

Concen: 4.794 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

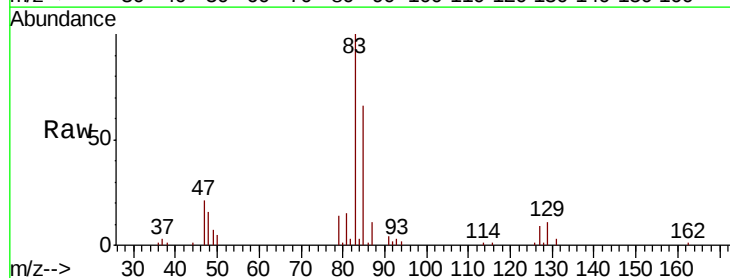
Tgt Ion: 83 Resp: 40515

Ion Ratio Lower Upper

83 100

85 66.4 45.3 84.1

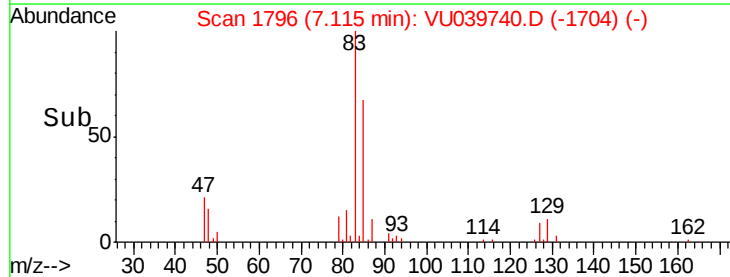
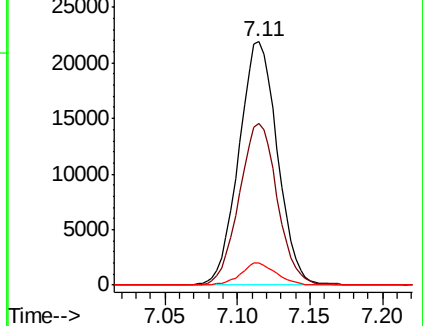
127 9.2 7.5 11.3

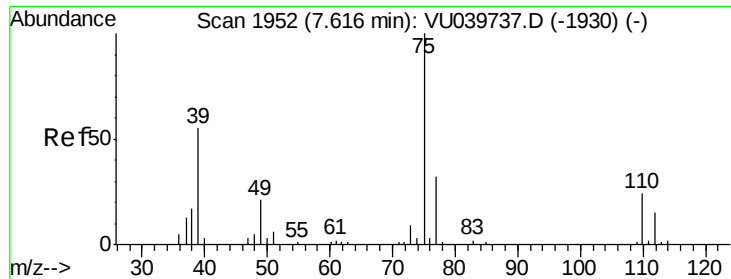


Abundance Ion 82.95 (82.65 to 83.65): VU039737.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039737.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039737.D (-1783) (-)

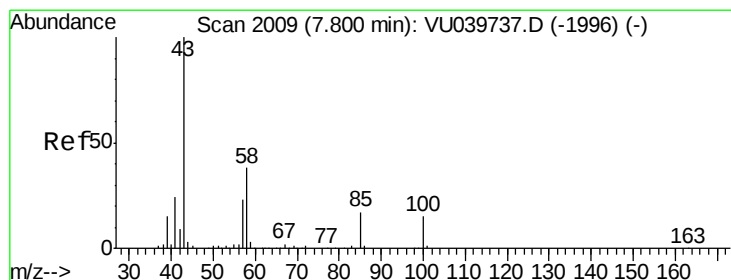
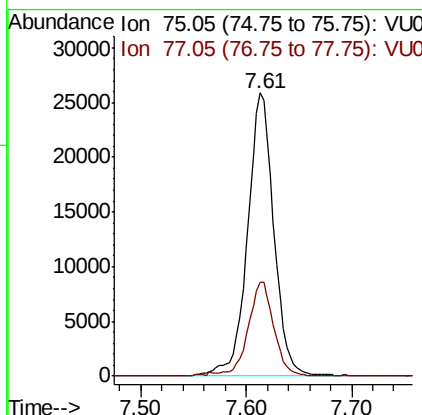
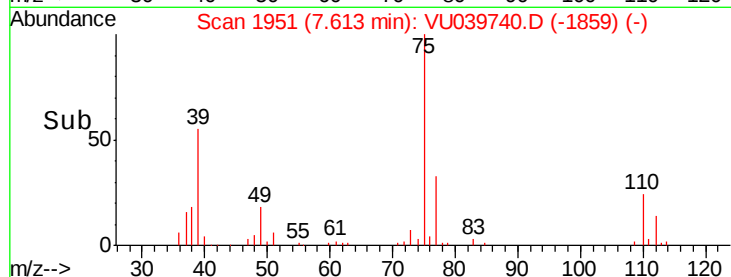
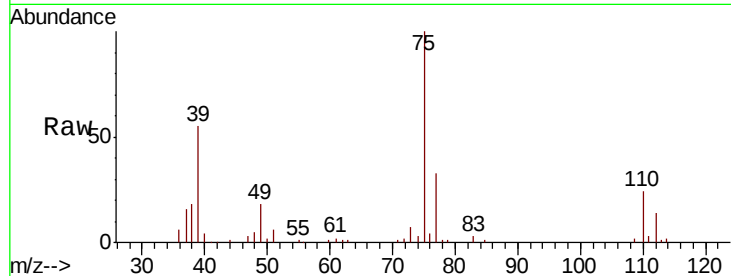




#39
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

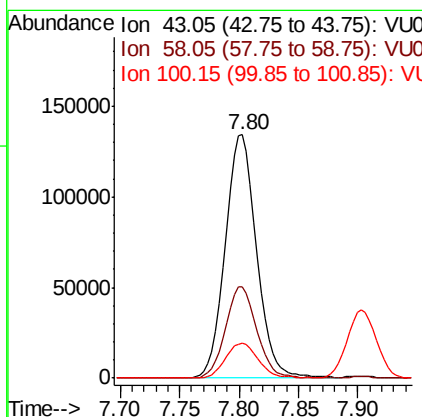
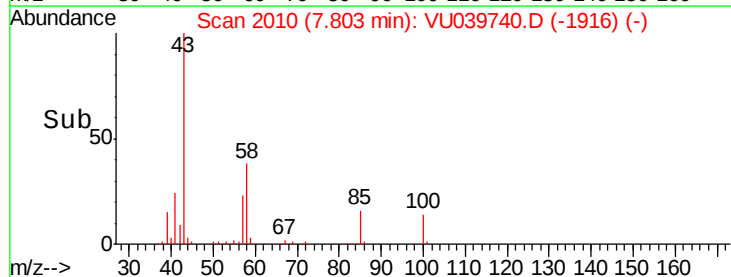
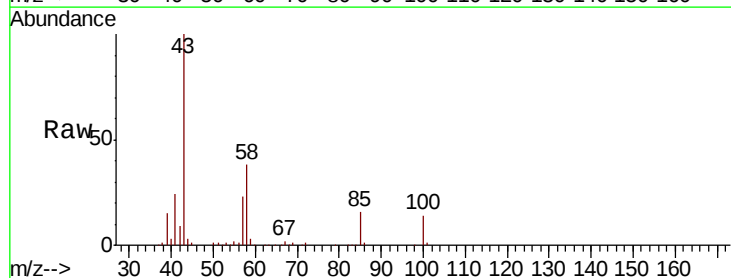
Instrument :
 MSVOA_U
 ClientSampled :

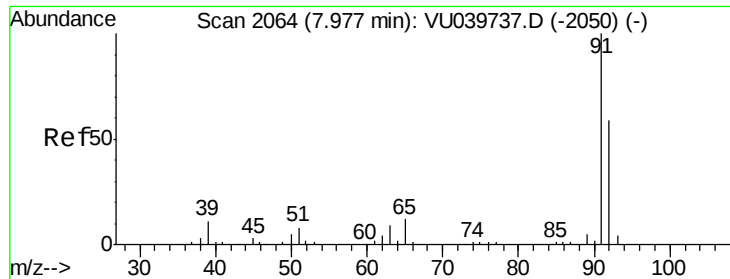
Tot Ion: 75 Resp: 45029
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 50.787 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion: 43 Resp: 245132
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.4 44.2
 100 14.9 11.7 17.5





#42

Toluene

Concen: 5.127 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

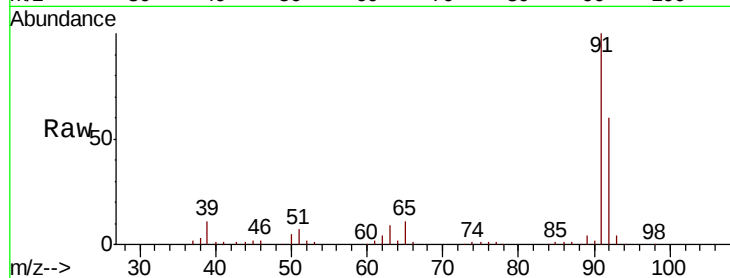
ClientSampleId :

Tot Ion: 91 Resp: 131016

Ion Ratio Lower Upper

91 100

92 60.5 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039737.D (-2050) (-)

7.97

80000

60000

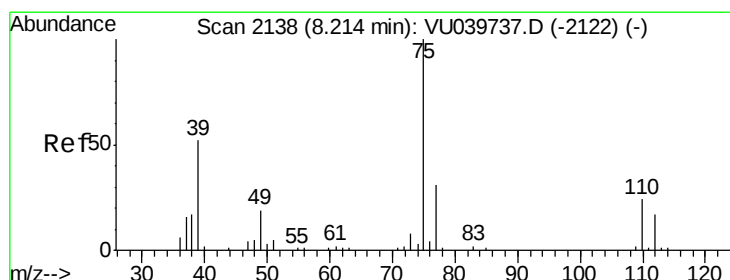
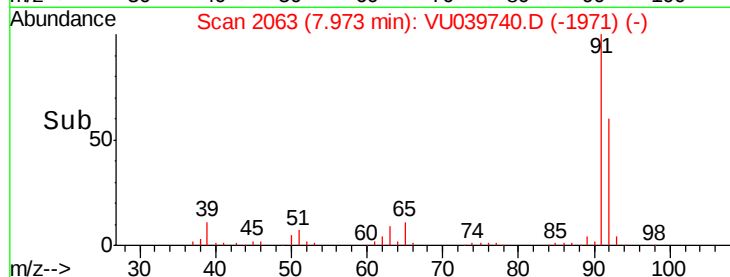
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.146 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039740.D

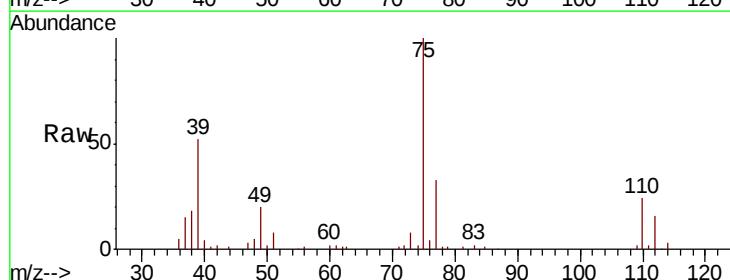
Acq: 03 Aug 2020 15:23

Tgt Ion: 75 Resp: 40838

Ion Ratio Lower Upper

75 100

77 33.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039737.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039737.D (-2122) (-)

8.21

25000

20000

15000

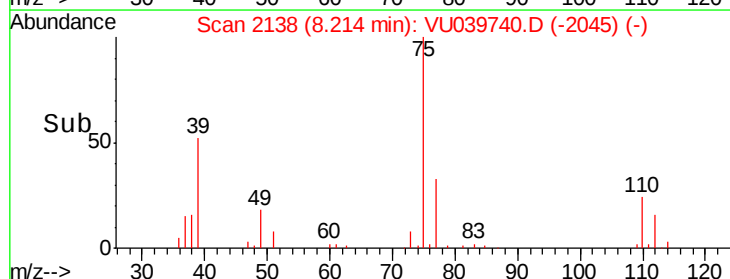
10000

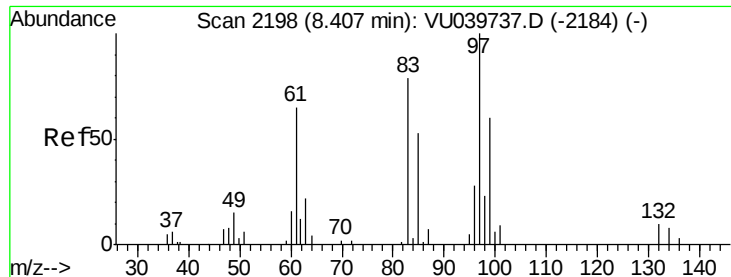
5000

0

8.15 8.20 8.25

Time-->

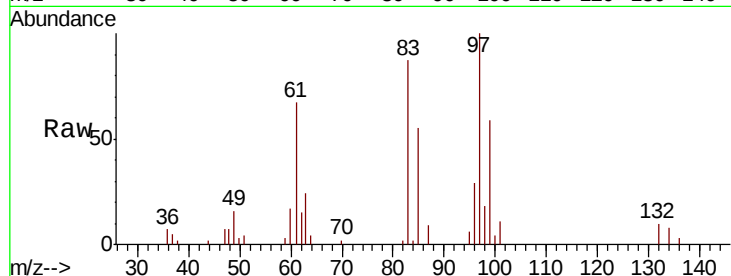




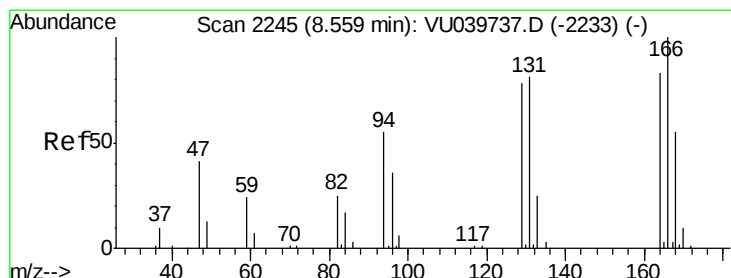
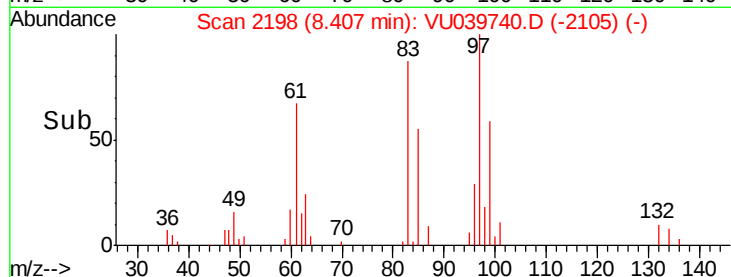
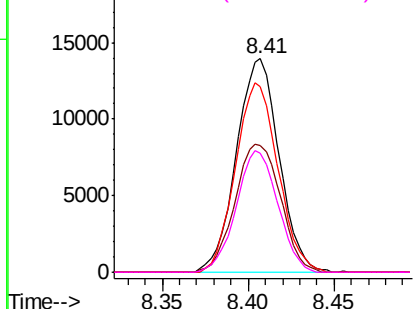
#45
 1,1,2-Trichloroethane
 Concen: 4.956 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	24080
Ion	Ratio	Lower	Upper
97	100		
99	59.4	42.0	78.0
83	87.2	55.2	102.4
85	55.5	37.0	68.6

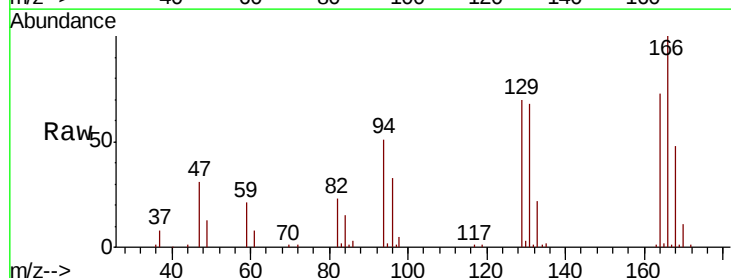


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

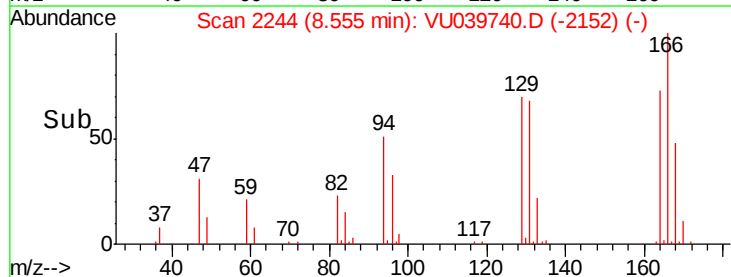
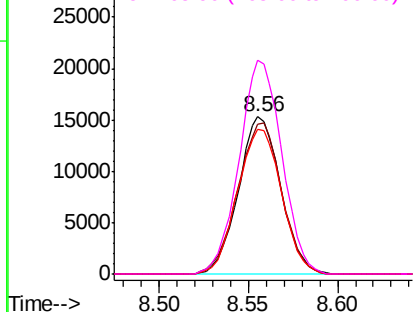


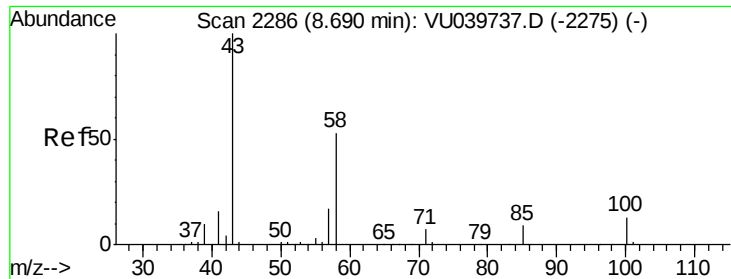
#47
 Tetrachloroethene
 Concen: 4.830 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion:	164	Resp:	25164
Ion	Ratio	Lower	Upper
164	100		
129	95.1	65.9	122.5
131	92.2	68.1	126.5
166	136.1	84.5	156.9



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

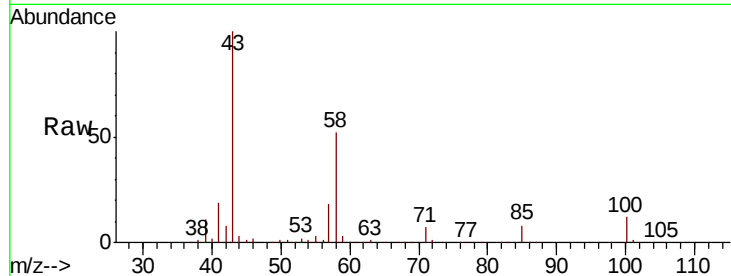




#48
2-Hexanone
Concen: 51.898 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	180886
Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.8	62.8
57	16.9	14.2	21.4
100	12.4	9.4	14.2

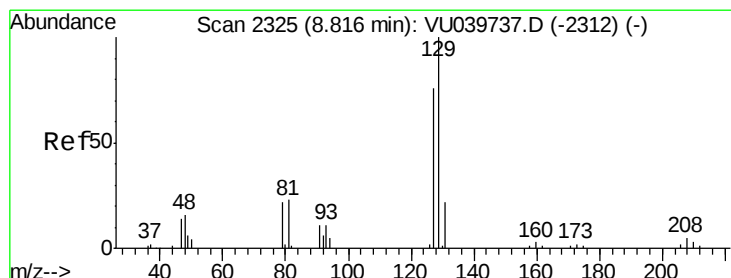
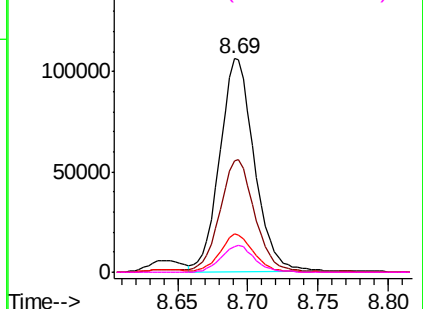
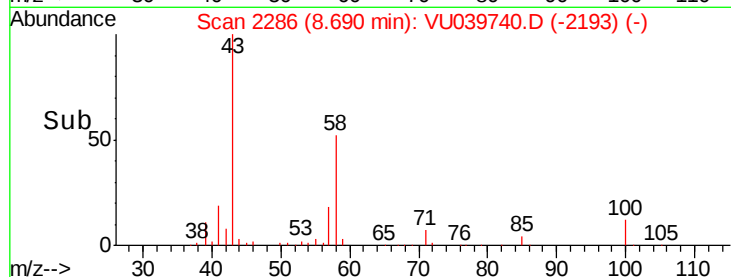


Abundance Ion 43.05 (42.75 to 43.75): VU039740.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU039740.D (-2193) (-)

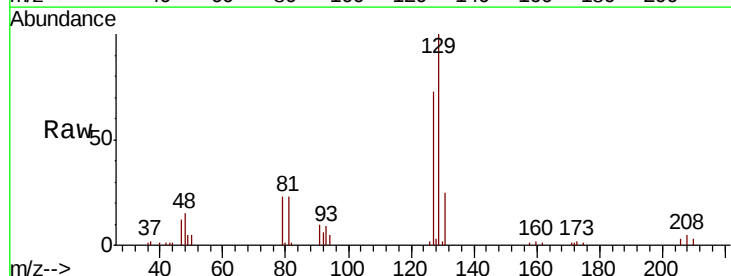
Ion 57.20 (56.90 to 57.90): VU039740.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU039740.D (-2193) (-)



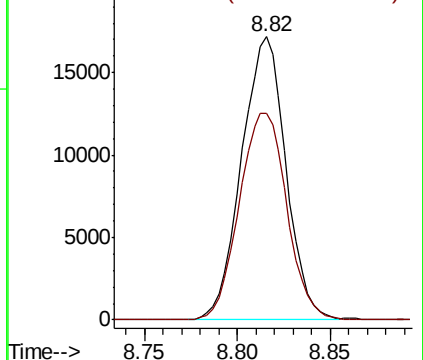
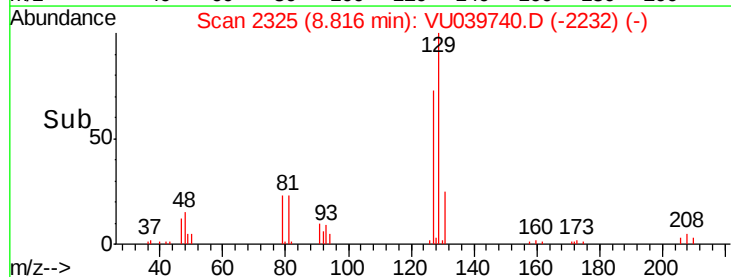
#49
Dibromochloromethane
Concen: 4.791 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

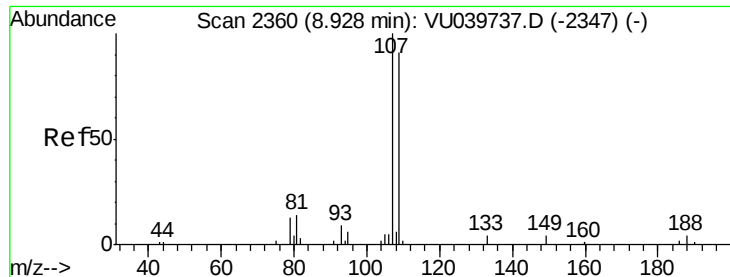
Tgt Ion:	129	Resp:	28562
Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039740.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU039740.D (-2232) (-)

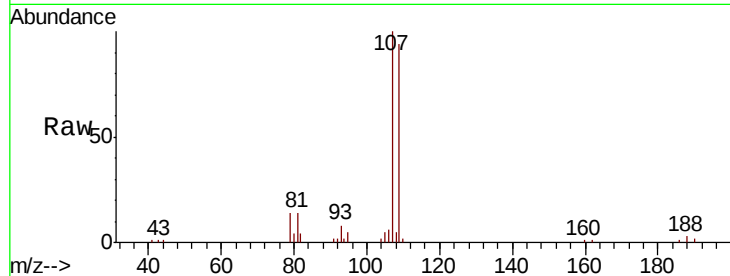




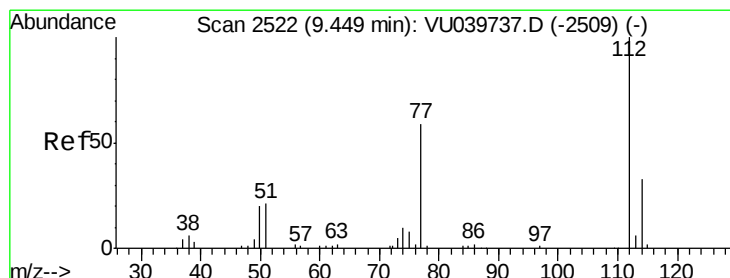
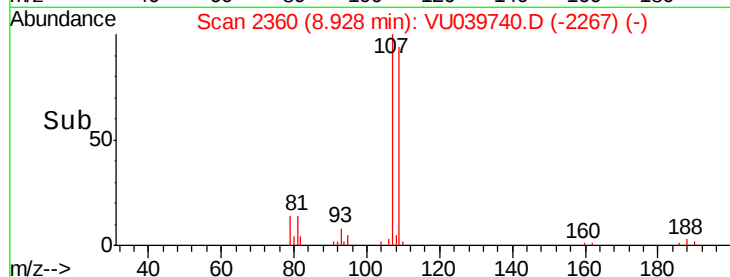
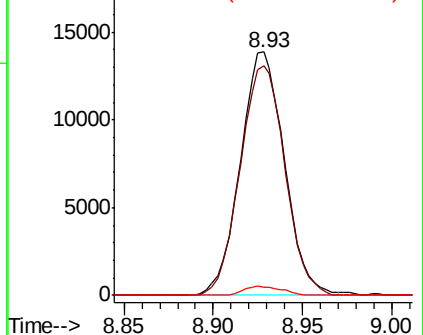
#50
 1,2-Dibromoethane
 Concen: 5.029 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 23960
 Ion Ratio Lower Upper
 107 100
 109 94.4 63.9 118.7
 188 3.4 2.9 4.3

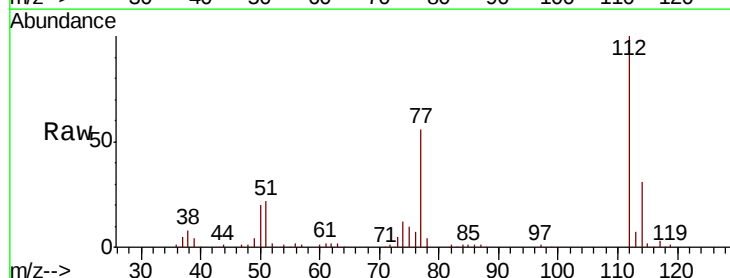


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

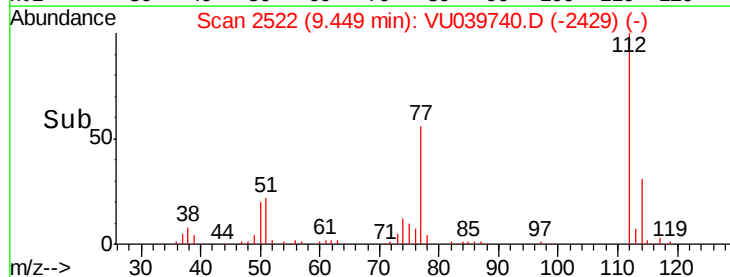
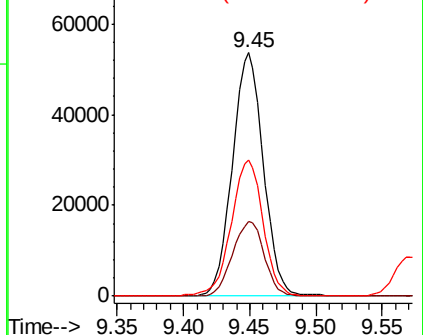


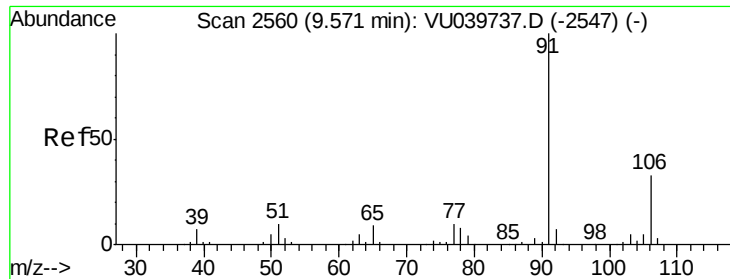
#51
 Chlorobenzene
 Concen: 5.066 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion:112 Resp: 86999
 Ion Ratio Lower Upper
 112 100
 114 30.6 23.2 43.0
 77 55.9 47.8 71.6



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): VU





#52

Ethylbenzene

Concen: 4.931 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

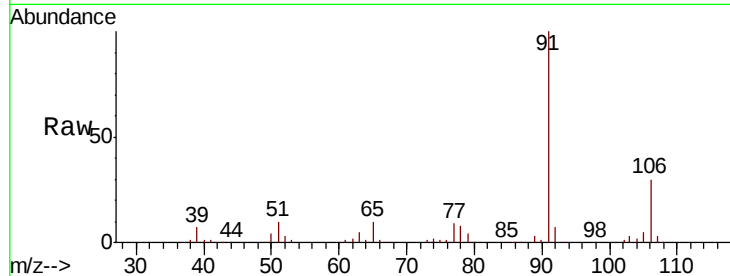
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 141024

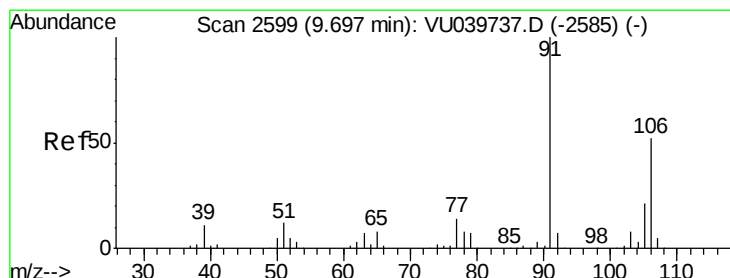
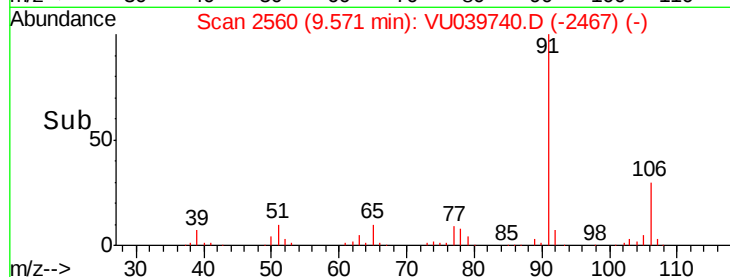
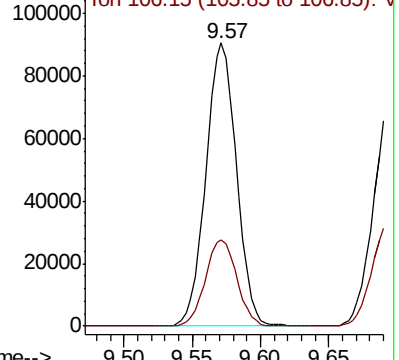
Ion Ratio Lower Upper

91 100

106 30.4 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039740.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.134 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039740.D

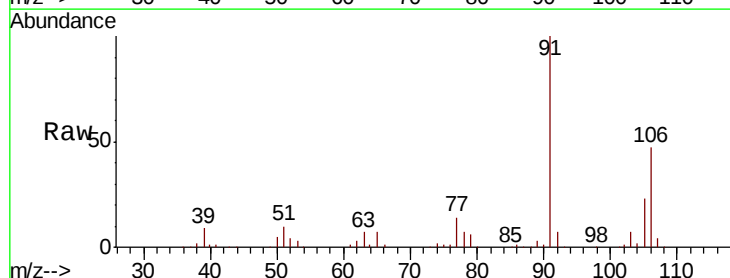
Acq: 03 Aug 2020 15:23

Tgt Ion: 106 Resp: 55917

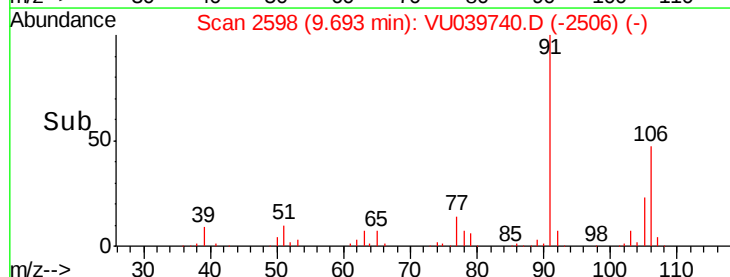
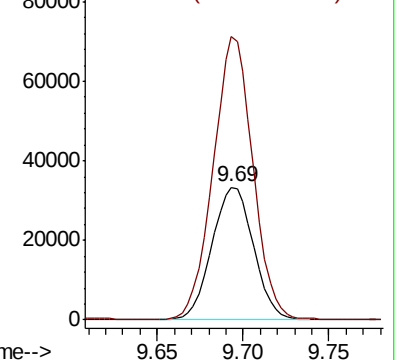
Ion Ratio Lower Upper

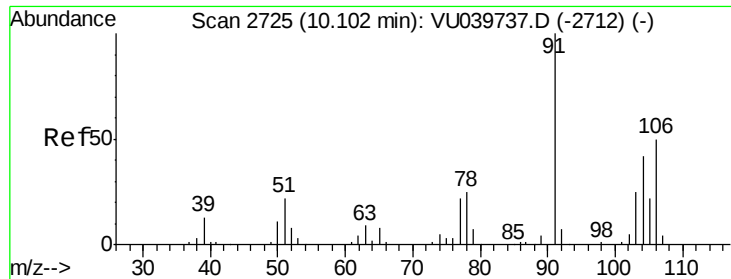
106 100

91 213.2 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039740.D (-2506) (-)

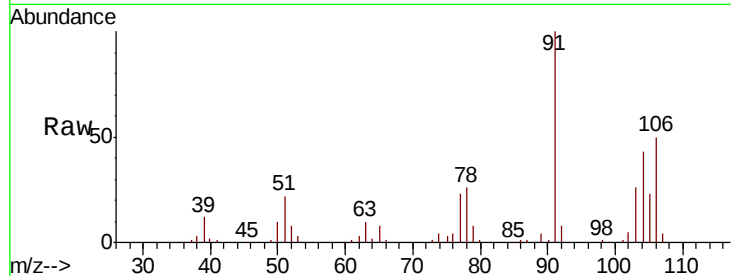




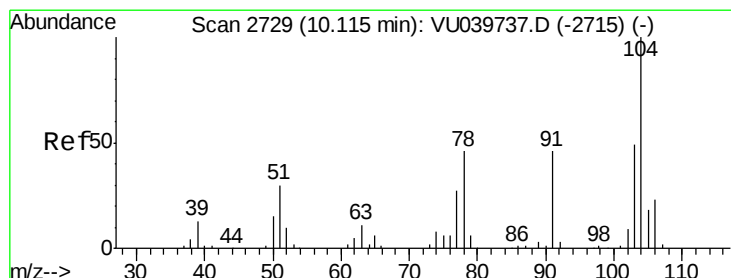
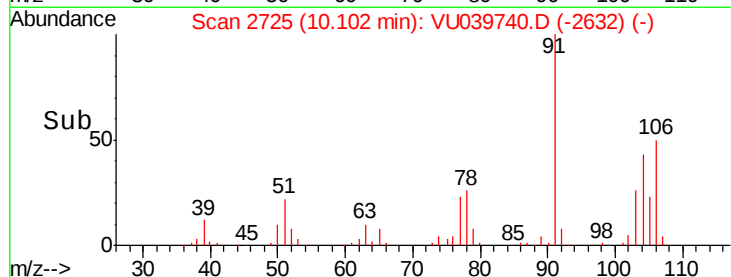
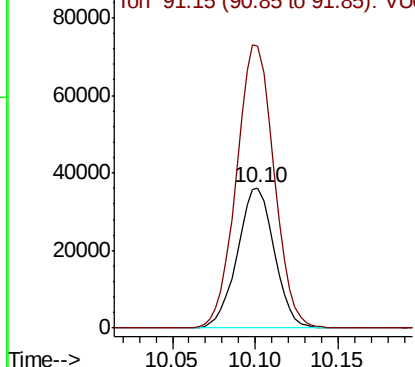
#54
o-Xylene
Concen: 5.257 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 56066
Ion Ratio Lower Upper
106 100
91 201.7 140.8 261.6

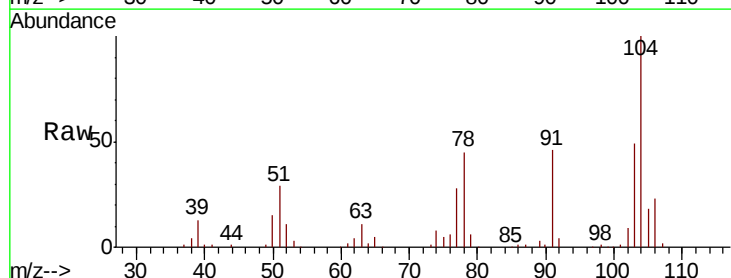


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

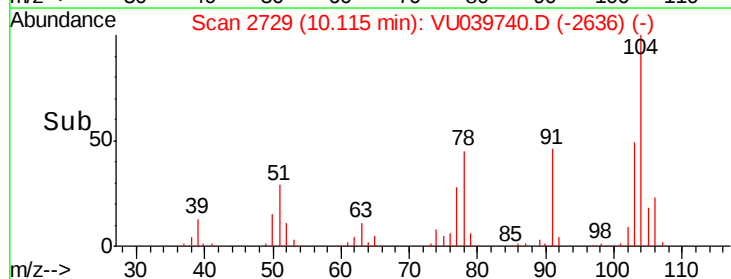
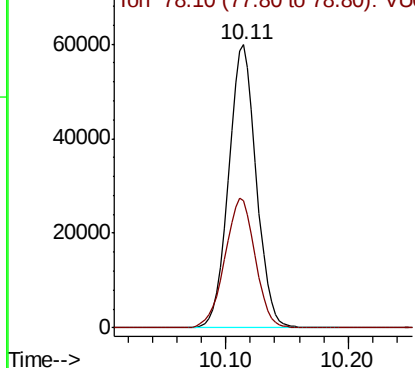


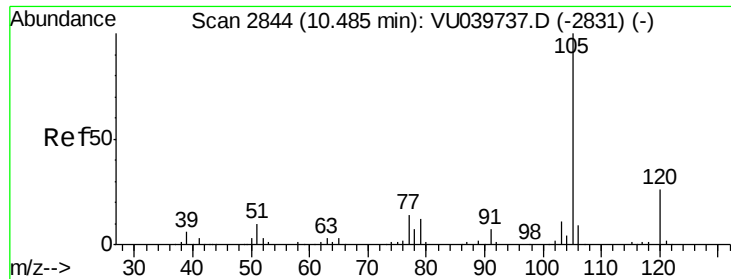
#55
Styrene
Concen: 5.267 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039740.D
Acq: 03 Aug 2020 15:23

Tgt Ion:104 Resp: 94601
Ion Ratio Lower Upper
104 100
78 45.0 32.3 60.1



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





#56

Isopropylbenzene

Concen: 5.088 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

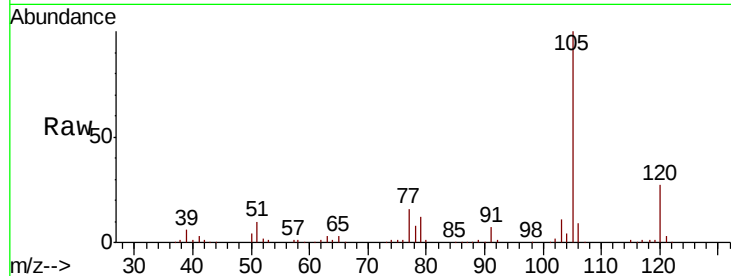
Tot Ion:105 Resp: 145043

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

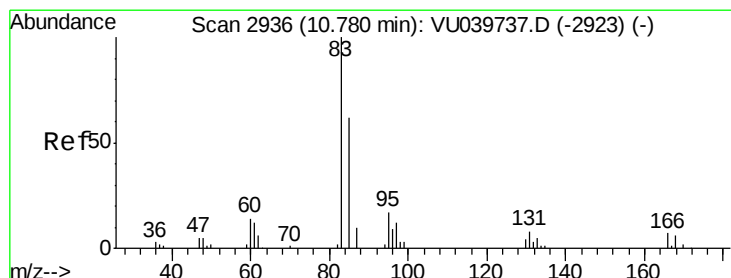
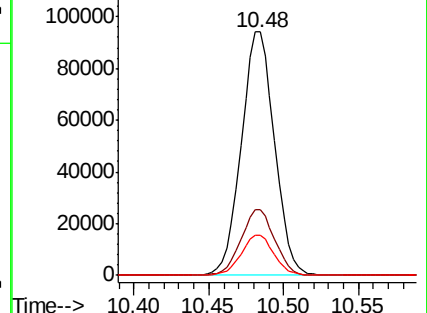
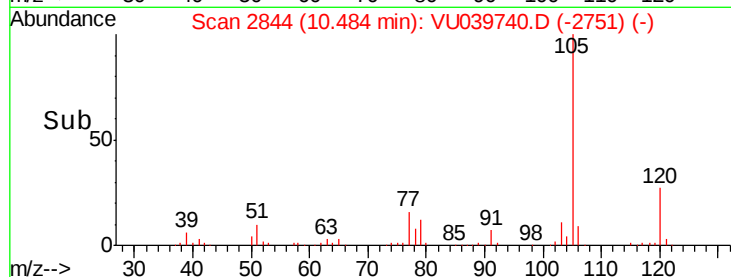
77 16.2 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.750 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

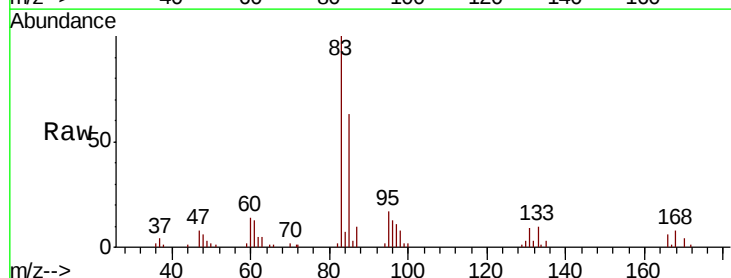
Tgt Ion: 83 Resp: 31749

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.4

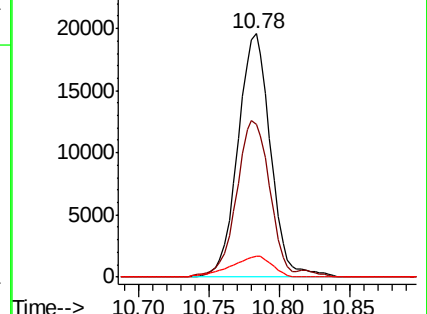
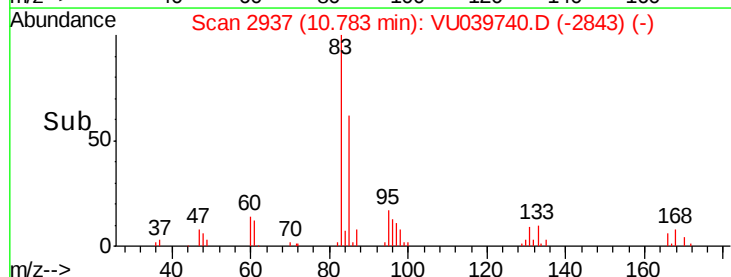
131 8.8 7.4 11.0

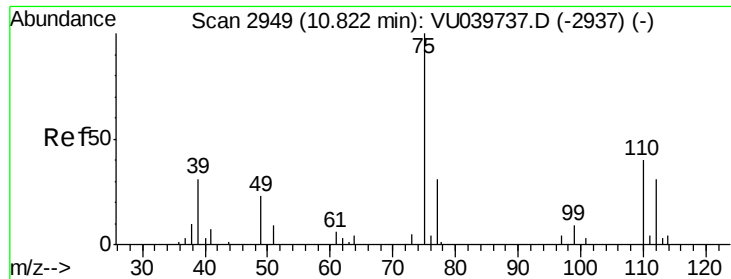


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

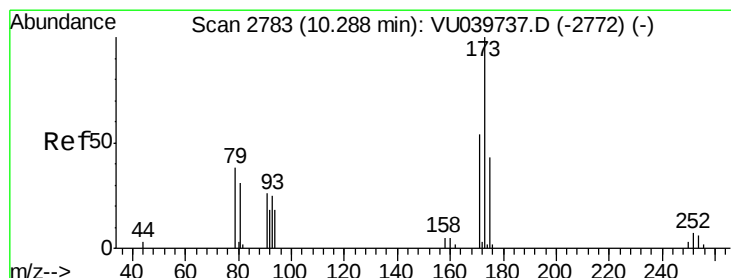
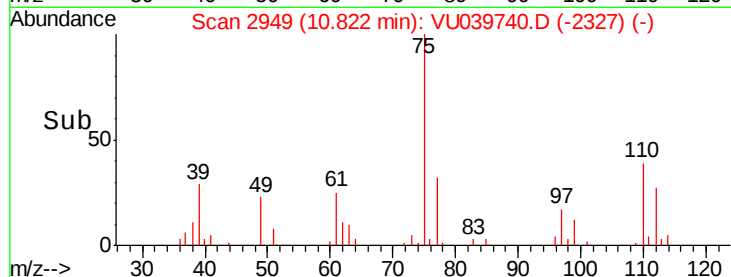
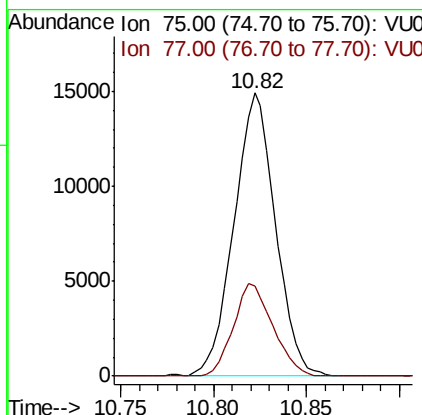
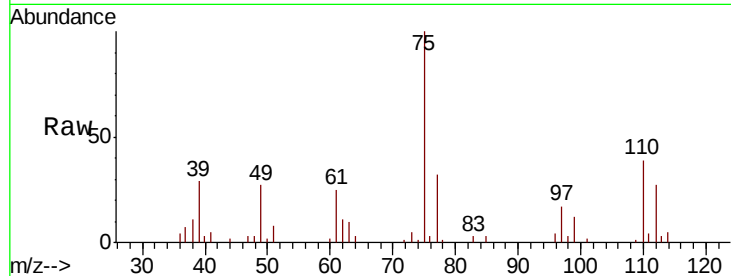




#59
 1,2,3-Trichloropropane
 Concen: 4.970 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

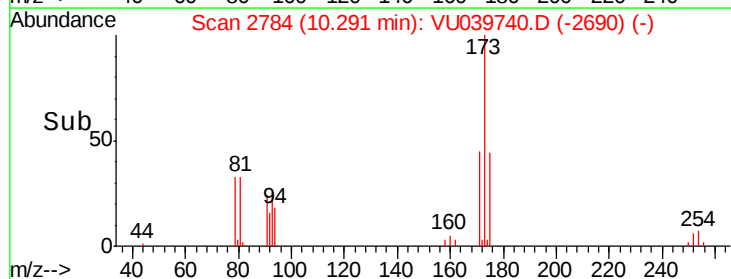
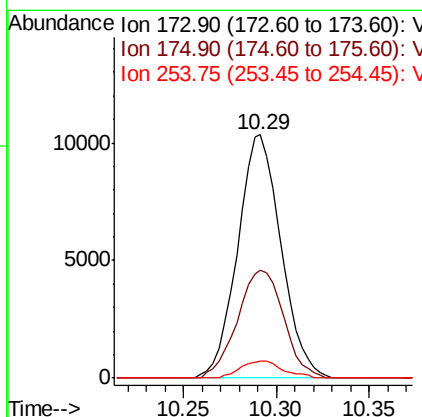
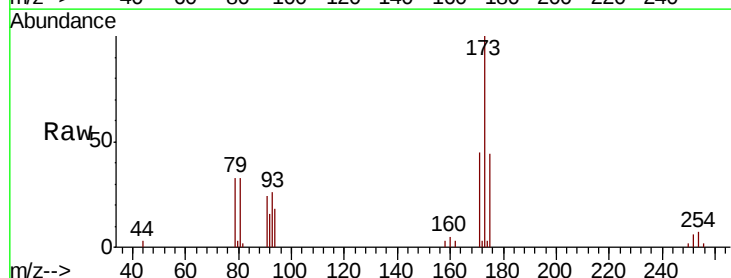
Instrument :
 MSVOA_U
 ClientSampleId :

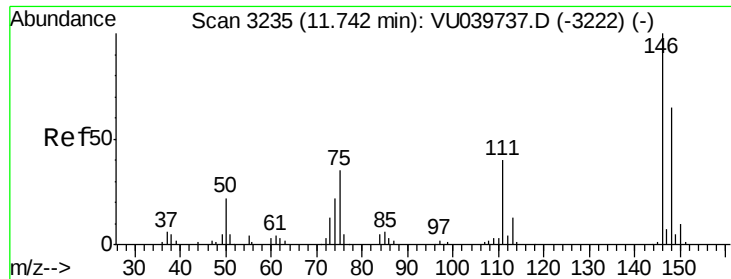
Tot Ion: 75 Resp: 23157
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 37.0



#61
 Bromoform
 Concen: 5.320 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion:173 Resp: 16793
 Ion Ratio Lower Upper
 173 100
 175 47.2 33.8 50.8
 254 6.7 5.5 8.3

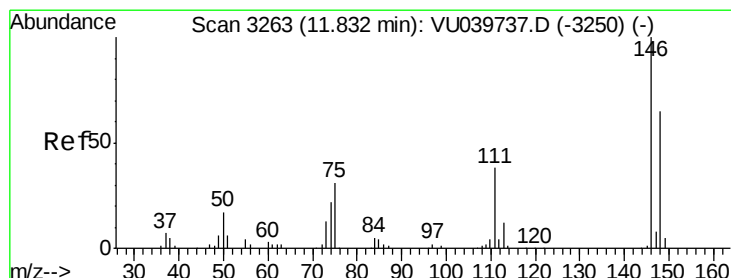
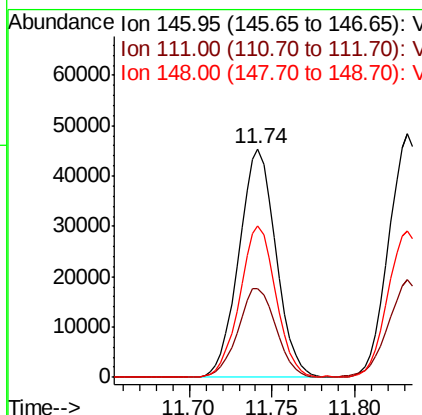
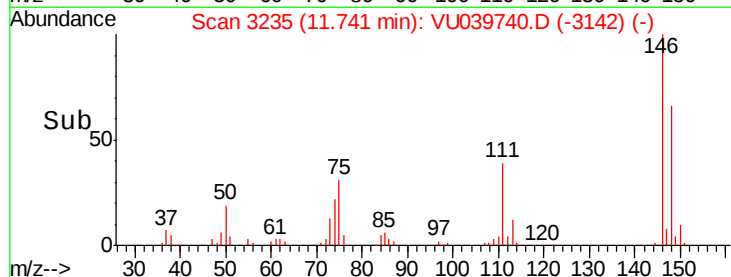
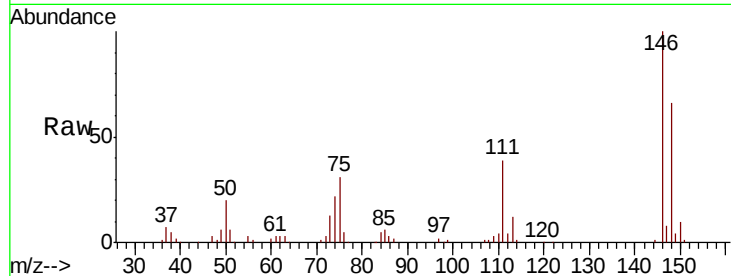




#62
 1,3-Dichlorobenzene
 Concen: 5.153 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

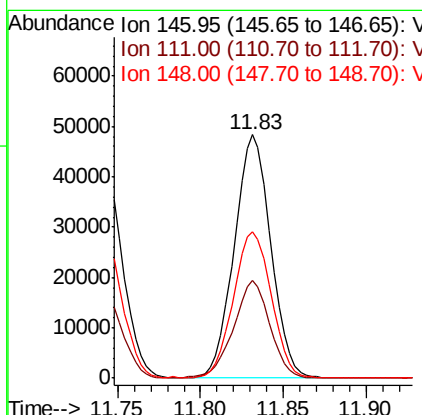
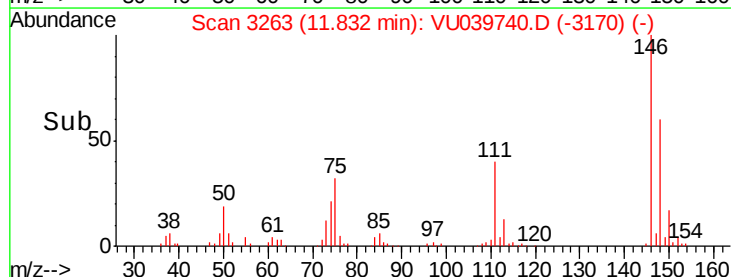
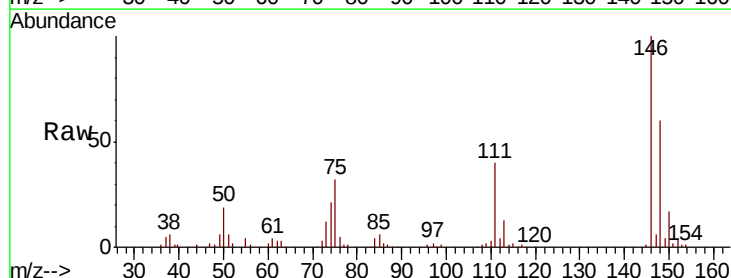
Instrument :
 MSVOA_U
 ClientSampleId :

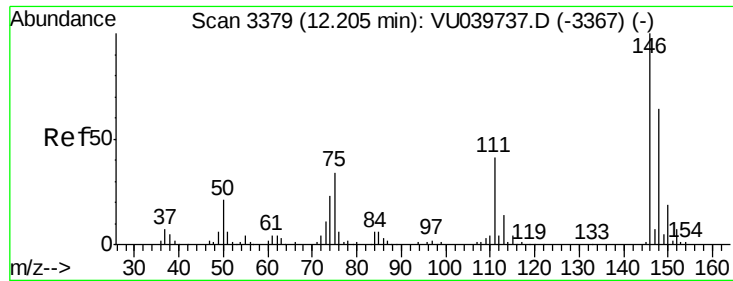
Tot Ion:146 Resp: 70462
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.7 51.5
 148 66.1 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.137 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion:146 Resp: 74042
 Ion Ratio Lower Upper
 146 100
 111 40.2 26.5 49.3
 148 60.0 45.3 84.1

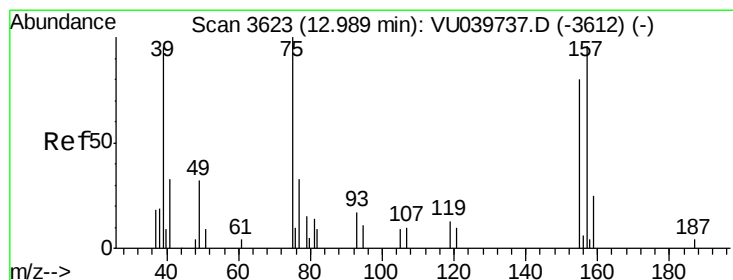
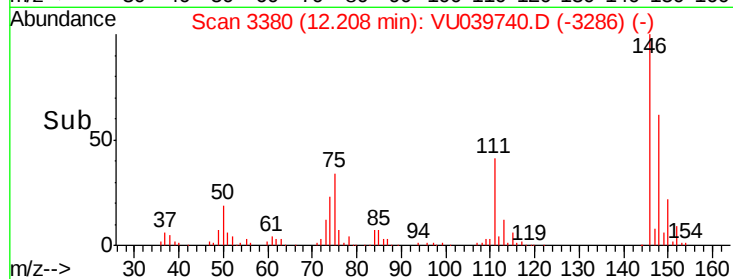
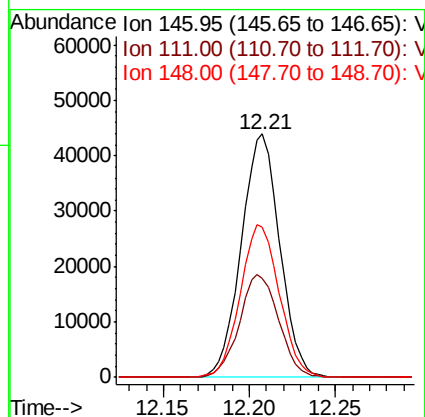
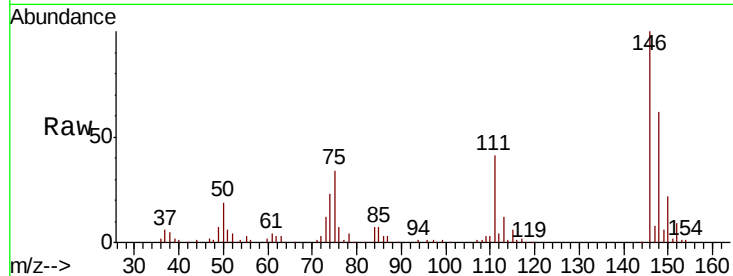




#65
 1,2-Dichlorobenzene
 Concen: 5.065 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

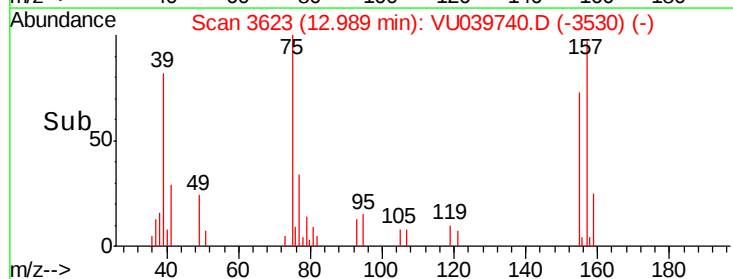
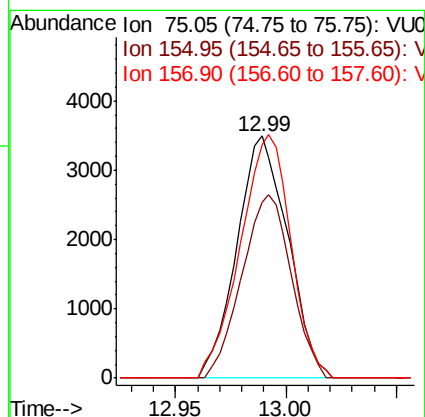
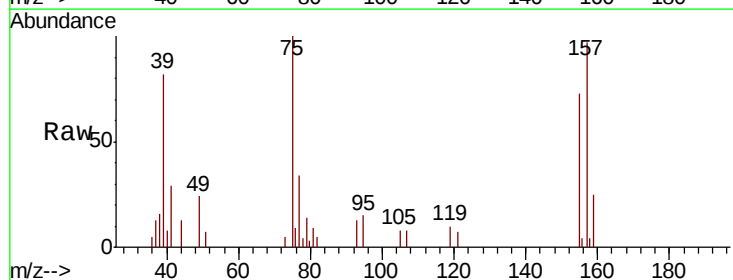
Instrument :
 MSVOA_U
 ClientSampleId :

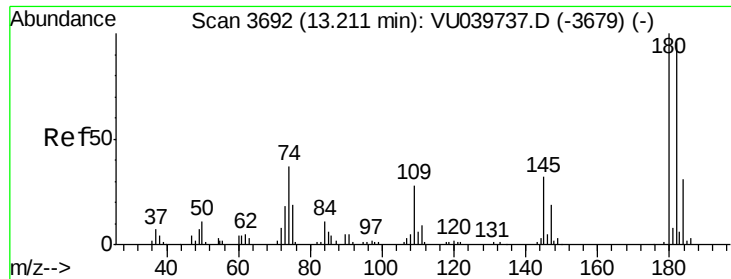
Tot Ion:146 Resp: 68226
 Ion Ratio Lower Upper
 146 100
 111 40.8 33.1 49.7
 148 61.8 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.500 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion: 75 Resp: 5601
 Ion Ratio Lower Upper
 75 100
 155 72.7 64.0 96.0
 157 96.6 77.0 115.6

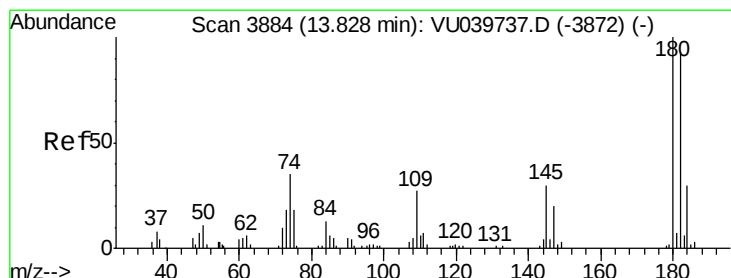
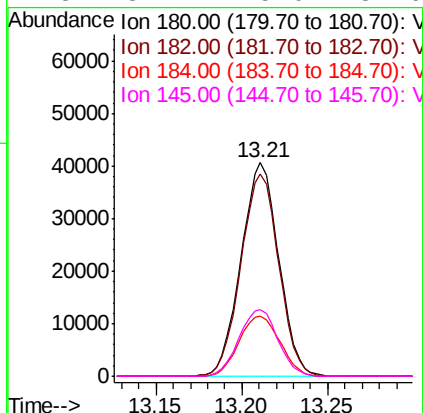
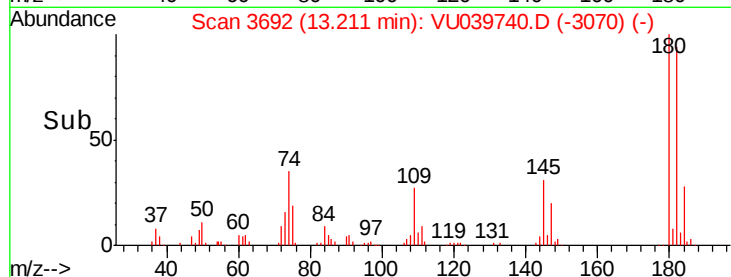
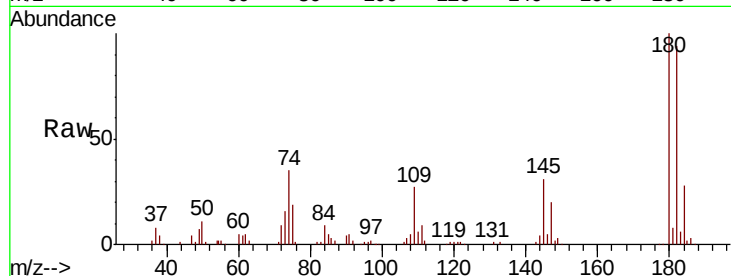




#67
 1,3,5-Trichlorobenzene
 Concen: 5.955 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

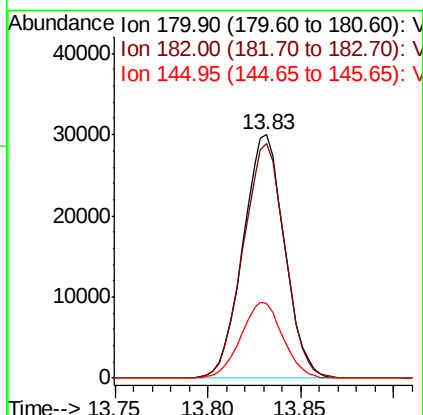
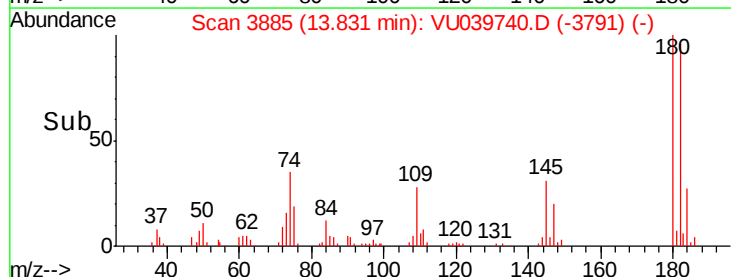
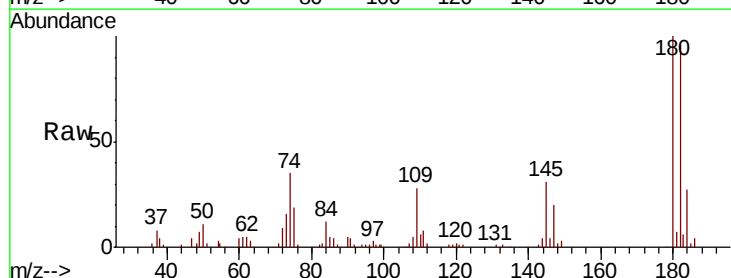
Instrument :
 MSVOA_U
 ClientSampleId :

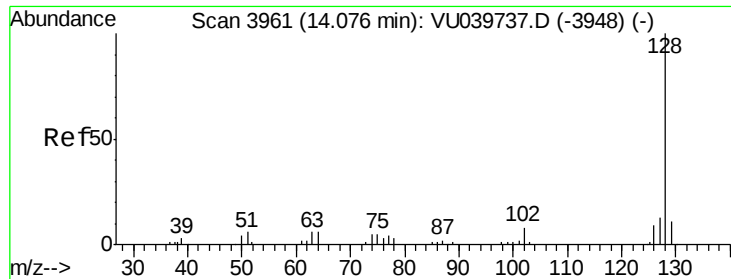
Tot Ion:180	Resp:	61705
Ion	Ratio	Lower Upper
180	100	
182	95.2	74.9 112.3
184	30.4	25.3 37.9
145	32.1	25.0 37.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.344 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039740.D
 Acq: 03 Aug 2020 15:23

Tgt Ion:180	Resp:	46407
Ion	Ratio	Lower Upper
180	100	
182	97.3	75.7 113.5
145	31.5	25.1 37.7





#69

Naphthalene

Concen: 5.718 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

Instrument :

MSVOA_U

ClientSampleId :

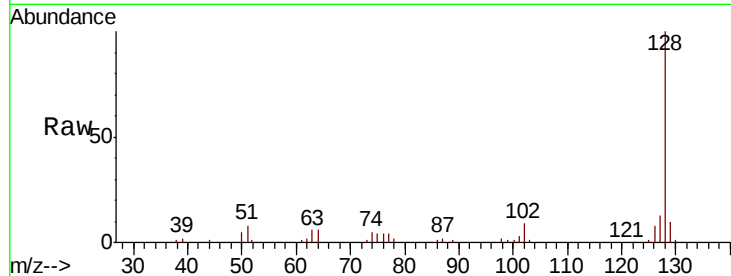
Tot Ion:128 Resp: 88778

Ion Ratio Lower Upper

128 100

129 10.2 8.9 13.3

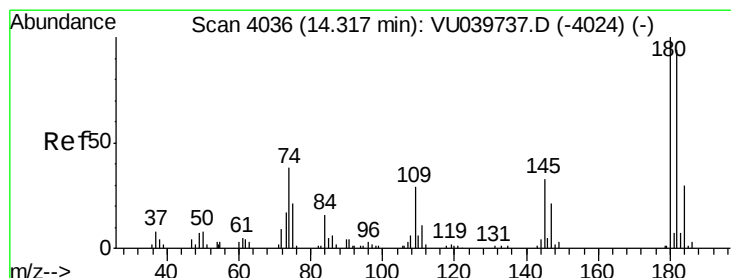
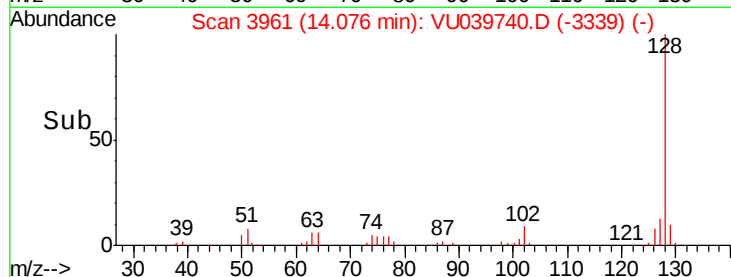
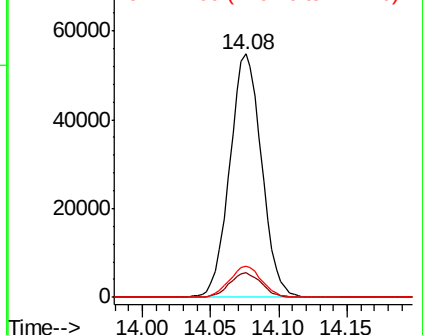
127 13.0 10.1 15.1



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: 5.616 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039740.D

Acq: 03 Aug 2020 15:23

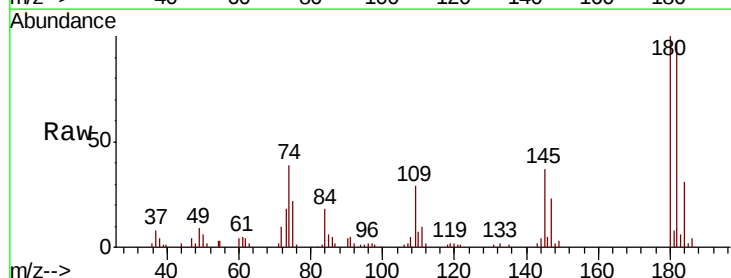
Tgt Ion:180 Resp: 43752

Ion Ratio Lower Upper

180 100

182 94.6 76.1 114.1

145 32.8 27.4 41.0



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

