

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039617.D
 Acq On : 21 Jul 2020 23:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:09:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	107110	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24575	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.93	69	25028	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	60344	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.00%
20) 2-Butanone-d5	4.66	46	120807	53.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.74%
24) Chloroform-d	5.09	84	66542	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.72	65	41198	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.74	84	124411	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.71	67	41605	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.91	98	116550	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.19	79	16578	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.64	63	92398	53.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.38%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39579	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48358	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	26599	5.077 ug/L	95
3) Chloromethane	1.53	50	30033	5.280 ug/L	99
5) Vinyl chloride	1.61	62	31572	5.173 ug/L	96
6) Bromomethane	1.87	94	19025	4.835 ug/L	98
8) Chloroethane	1.94	64	22820	4.523 ug/L	97
9) Trichlorofluoromethane	2.15	101	67517	5.237 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	29064	5.223 ug/L	97
12) 1,1-Dichloroethene	2.59	96	26755	5.282 ug/L	88
13) Acetone	2.68	43	70052	56.132 ug/L	98
14) Carbon disulfide	2.81	76	79201	5.197 ug/L	100
15) Methyl Acetate	2.98	43	16135	5.292 ug/L	99
16) Methylene chloride	3.06	84	34480	4.711 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	83980	5.216 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	29766	5.292 ug/L	98
19) 1,1-Dichloroethane	3.89	63	62453	5.414 ug/L	98
21) 2-Butanone	4.74	43	113707	52.598 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	34302	5.236 ug/L	99

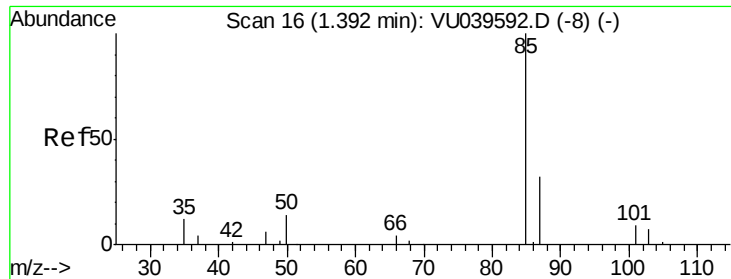
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
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 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	15655	5.145	ug/L	91
25) Chloroform	5.11	83	68528	5.210	ug/L	99
27) 1,2-Dichloroethane	5.81	62	46303	5.177	ug/L	96
29) 1,1,1-Trichloroethane	5.34	97	56328	5.163	ug/L	97
30) Cyclohexane	5.40	56	51328	5.342	ug/L	96
31) Carbon tetrachloride	5.55	117	48361	5.181	ug/L	99
33) Benzene	5.79	78	130365	5.254	ug/L	100
34) Trichloroethene	6.56	95	35416	5.183	ug/L	96
35) Methylcyclohexane	6.78	83	48736	4.855	ug/L	98
37) 1,2-Dichloropropane	6.81	63	36691	5.313	ug/L	99
38) Bromodichloromethane	7.12	83	46870	5.158	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	50006	5.041	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	279383	51.827	ug/L	100
42) Toluene	7.98	91	143611	5.287	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	44419	4.903	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	26995	5.149	ug/L	98
47) Tetrachloroethene	8.56	164	23271	4.979	ug/L	93
48) 2-Hexanone	8.69	43	210872	52.849	ug/L	98
49) Dibromochloromethane	8.82	129	32524	5.103	ug/L	99
50) 1,2-Dibromoethane	8.93	107	26339	5.127	ug/L	98
51) Chlorobenzene	9.45	112	95626	5.501	ug/L	98
52) Ethylbenzene	9.57	91	162614	5.263	ug/L	100
53) m,p-Xylene	9.70	106	61144	5.303	ug/L	97
54) o-Xylene	10.10	106	59410	5.276	ug/L	97
55) Styrene	10.11	104	100546	5.318	ug/L	99
56) Isopropylbenzene	10.48	105	160258	5.214	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	35472	5.232	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	26095	5.151	ug/L	97
61) Bromoform	10.29	173	17664	4.944	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	70451	5.139	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	70789	5.129	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	69635	5.259	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	5940	5.868	ug/L #	93
67) 1,3,5-Trichlorobenzene	13.21	180	50637	5.132	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	42128	5.199	ug/L	99
69) Naphthalene	14.08	128	71456	5.208	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	39912	5.544	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 5.077 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

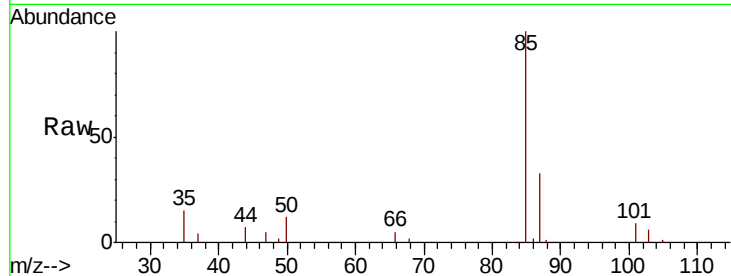
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 26599

Ion Ratio Lower Upper

85 100

87 33.2 24.5 36.7

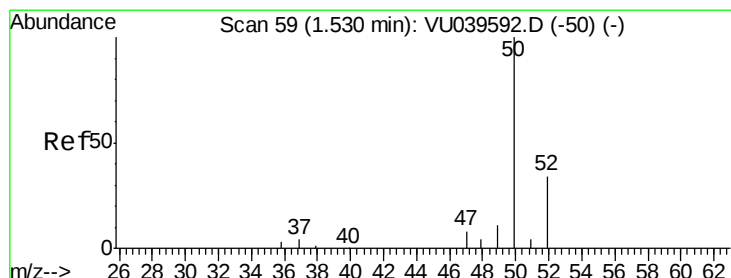
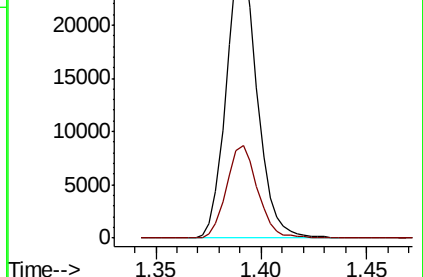
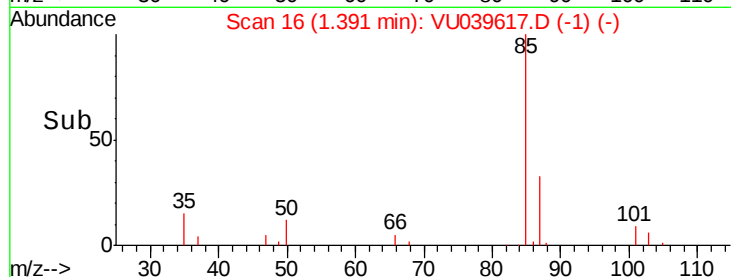


Abundance Ion 85.00 (84.70 to 85.70): VU039592.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039592.D (-8) (-)

1.39

Time-->



#3

Chloromethane

Concen: 5.280 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039617.D

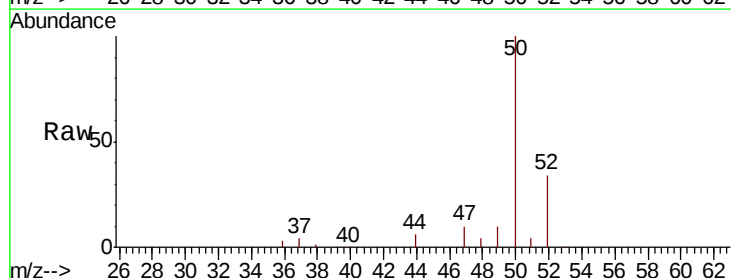
Acq: 21 Jul 2020 23:05

Tgt Ion: 50 Resp: 30033

Ion Ratio Lower Upper

50 100

52 33.9 23.9 44.5

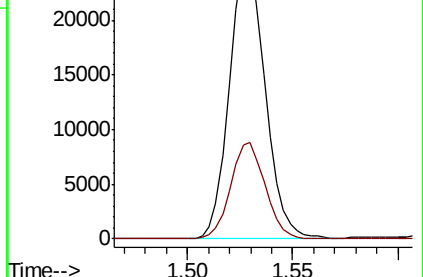
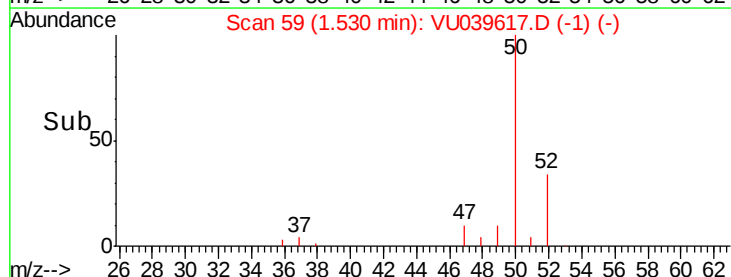


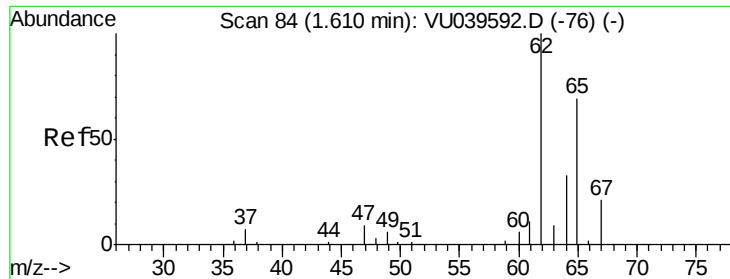
Abundance Ion 50.05 (49.75 to 50.75): VU039592.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039592.D (-50) (-)

1.53

Time-->





#5

Vinyl chloride

Concen: 5.173 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

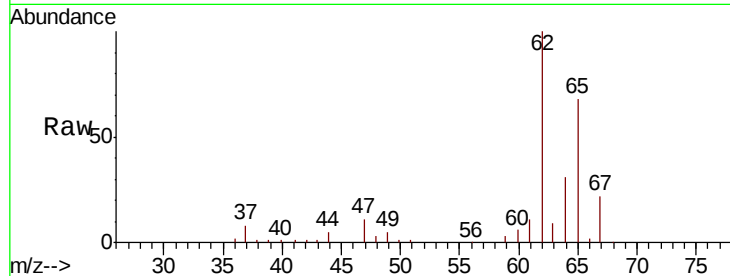
ClientSampleId :

Tot Ion: 62 Resp: 31572

Ion Ratio Lower Upper

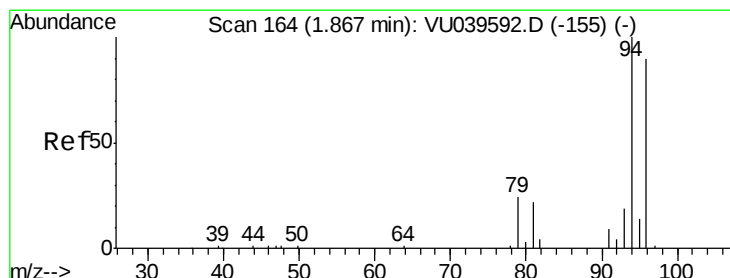
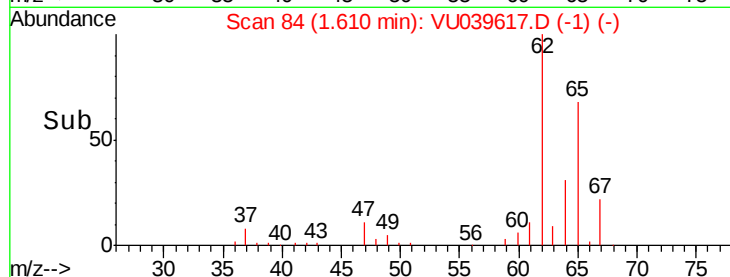
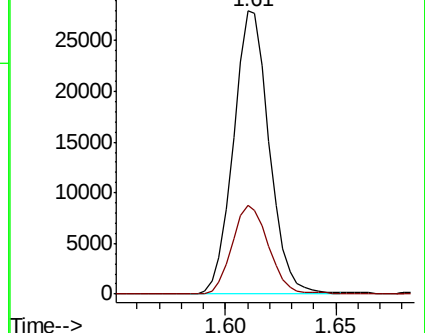
62 100

64 31.3 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU039592.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039592.D (-76) (-)



#6

Bromomethane

Concen: 4.835 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039617.D

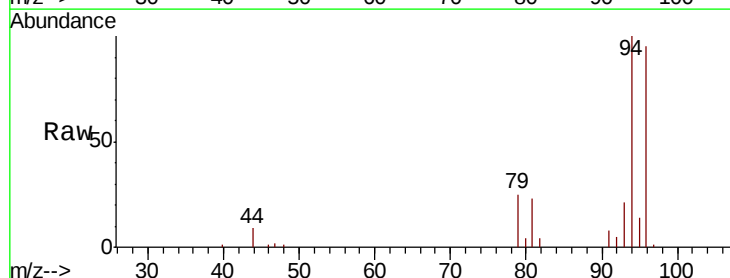
Acq: 21 Jul 2020 23:05

Tgt Ion: 94 Resp: 19025

Ion Ratio Lower Upper

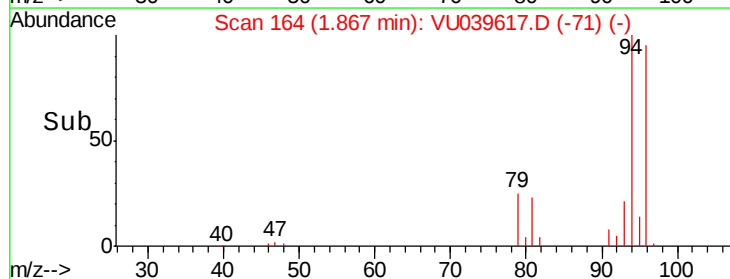
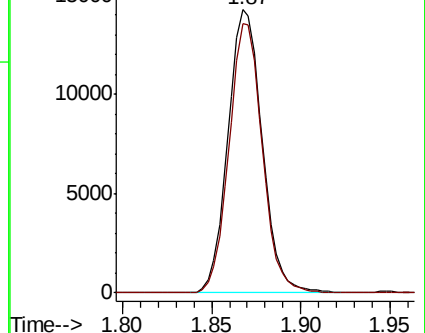
94 100

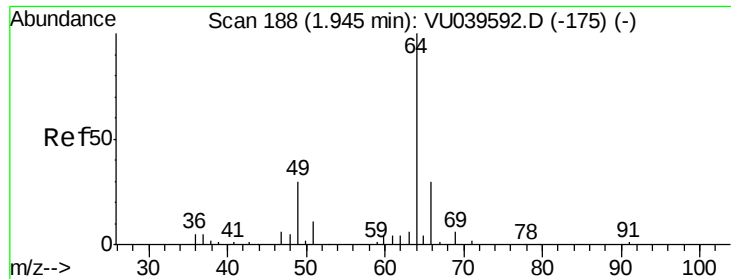
96 94.9 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU039592.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039592.D (-155) (-)

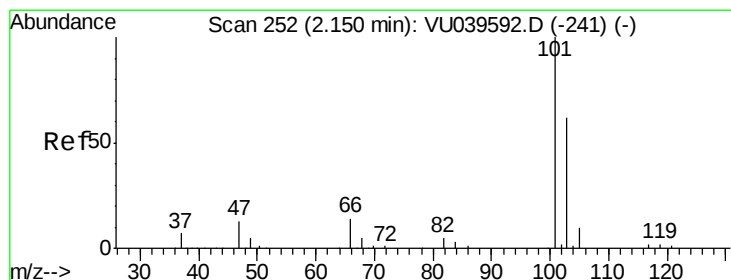
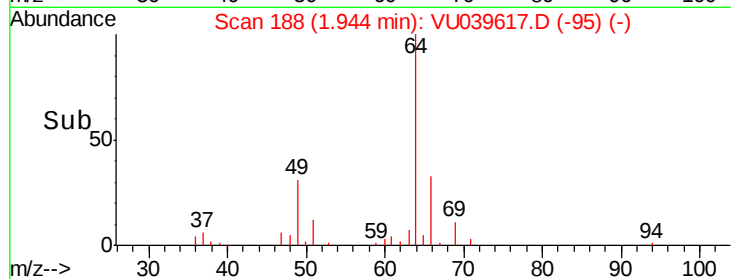
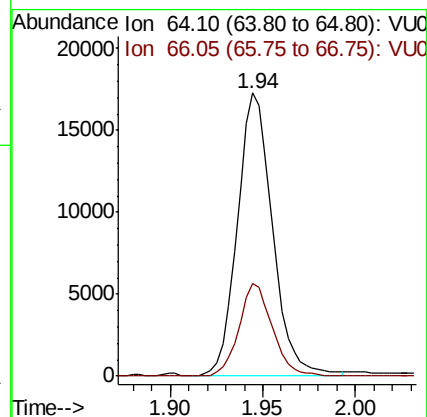
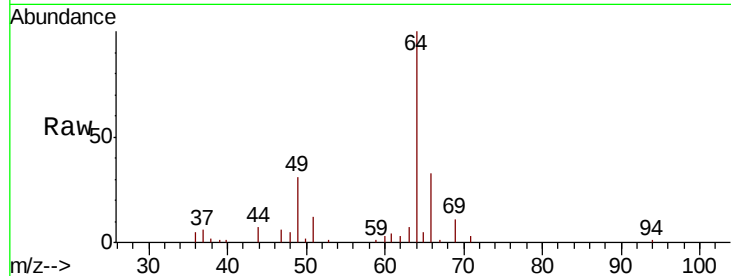




#8
Chloroethane
Concen: 4.523 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

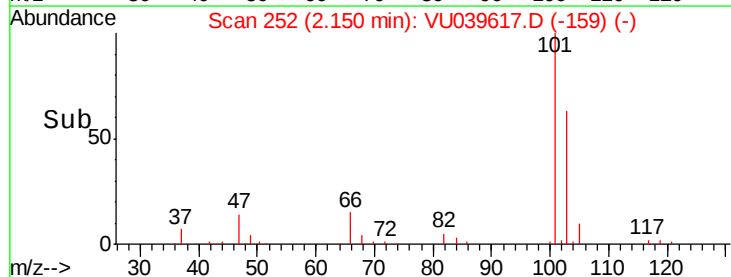
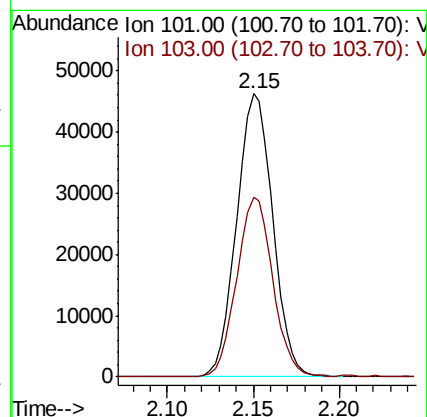
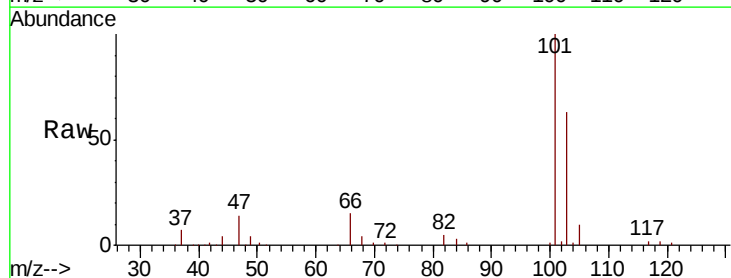
Instrument :
MSVOA_U
ClientSampleId :

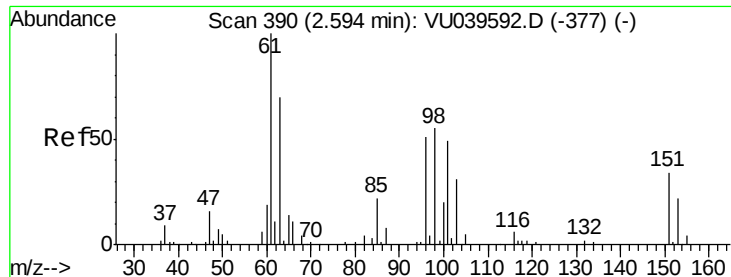
Tot Ion: 64 Resp: 22820
Ion Ratio Lower Upper
64 100
66 32.5 24.0 44.6



#9
Trichlorofluoromethane
Concen: 5.237 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Tgt Ion:101 Resp: 67517
Ion Ratio Lower Upper
101 100
103 63.4 50.6 75.8





#10

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

Concen: 5.223 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

ClientSampleId :

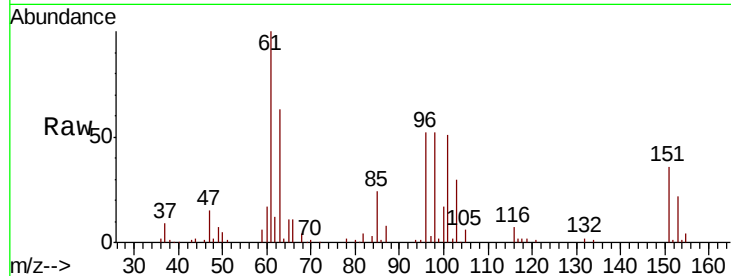
Tot Ion:101 Resp: 29064

Ion Ratio Lower Upper

101 100

85 46.3 38.7 58.1

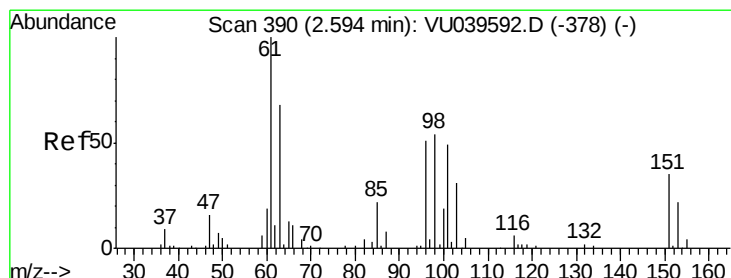
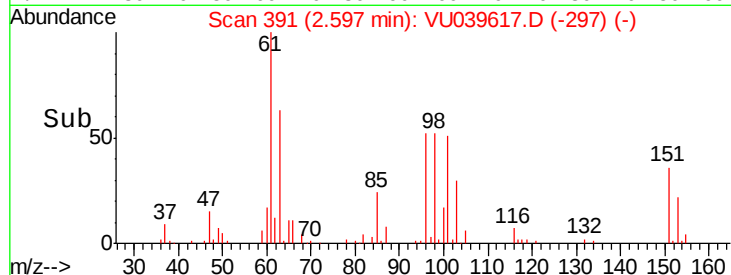
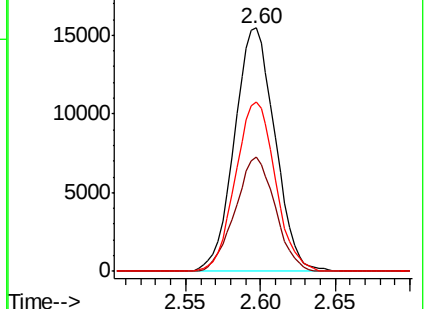
151 68.7 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.282 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

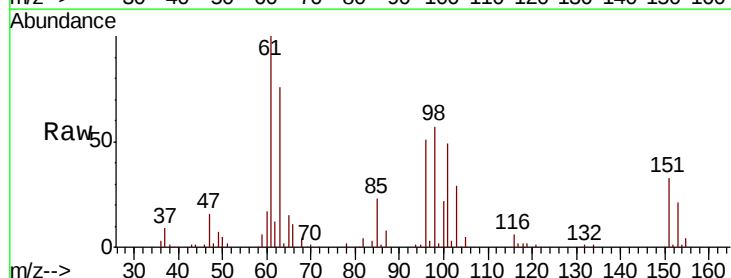
Tgt Ion: 96 Resp: 26755

Ion Ratio Lower Upper

96 100

61 196.5 129.1 239.7

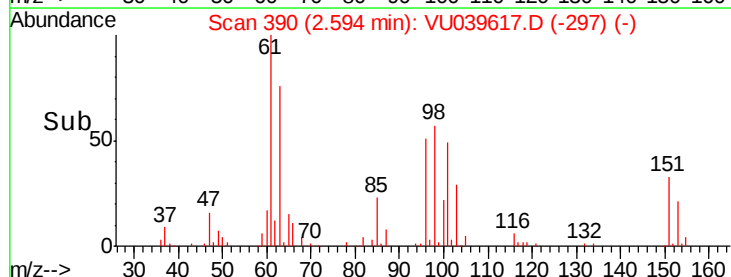
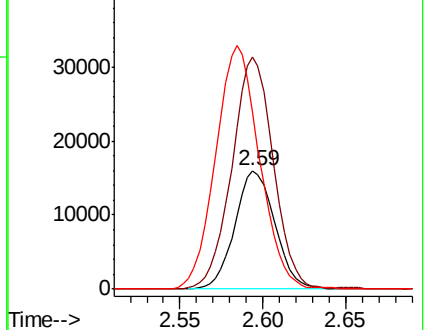
63 149.3 89.7 166.7

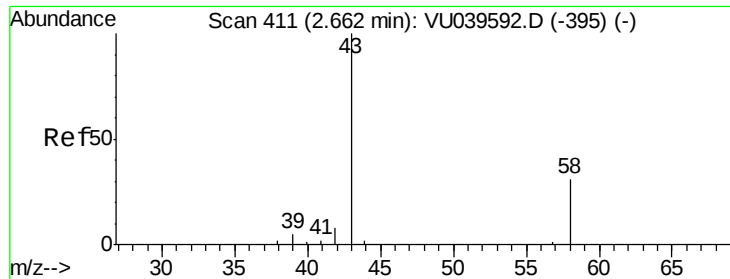


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.132 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

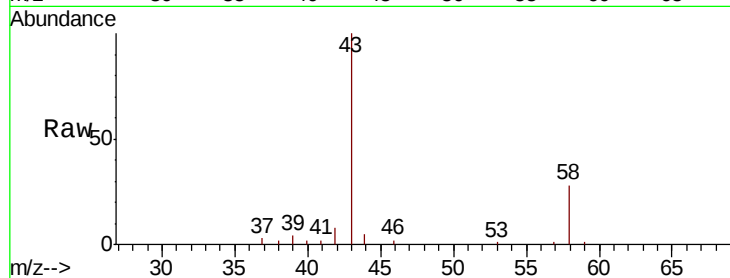
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 70052

Ion Ratio Lower Upper

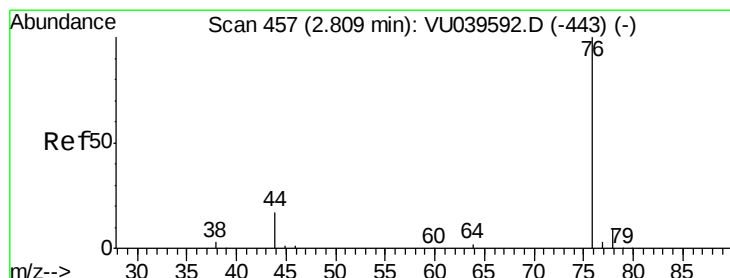
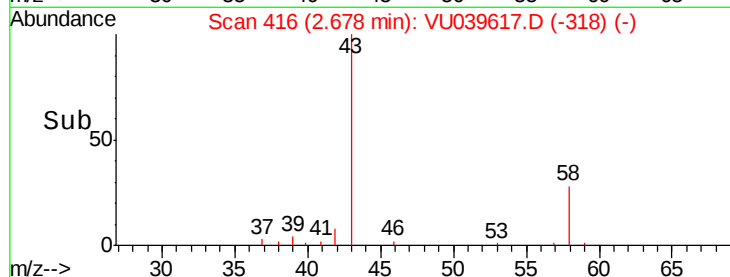
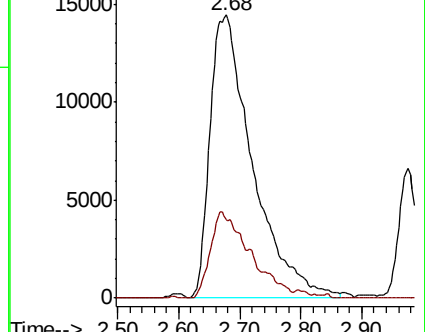
43 100

58 28.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)



#14

Carbon disulfide

Concen: 5.197 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039617.D

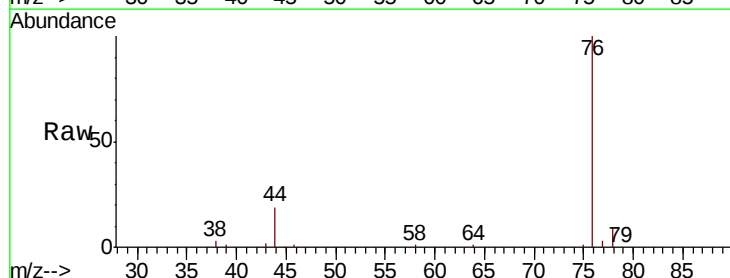
Acq: 21 Jul 2020 23:05

Tgt Ion: 76 Resp: 79201

Ion Ratio Lower Upper

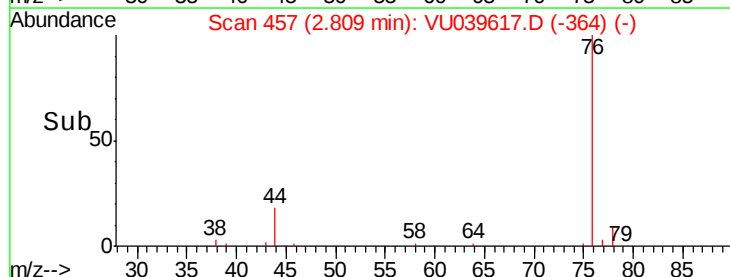
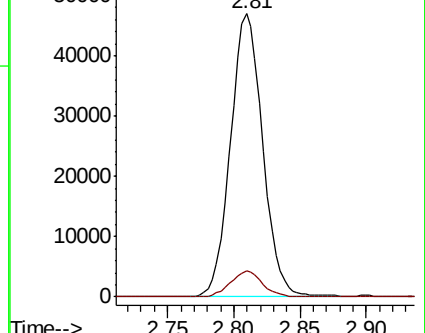
76 100

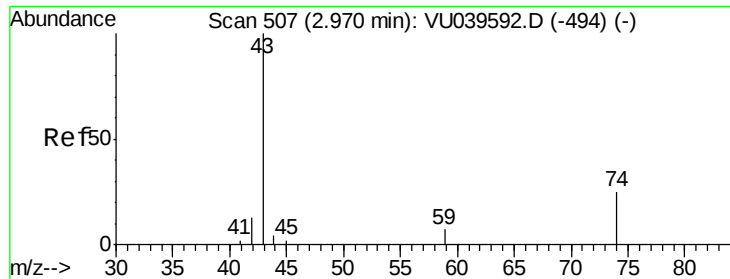
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)





#15

Methvl Acetate

Concen: 5.292 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.01 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

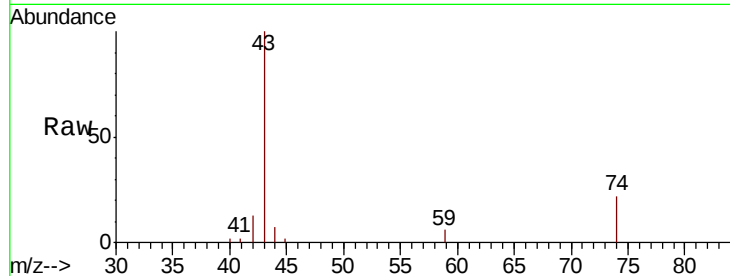
ClientSampleId :

Tot Ion: 43 Resp: 16135

Ion Ratio Lower Upper

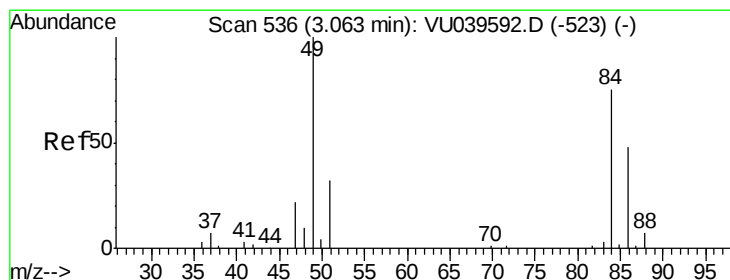
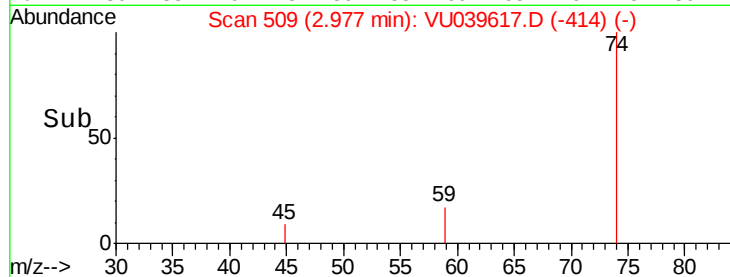
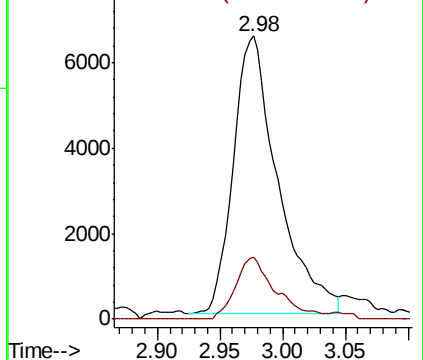
43 100

74 20.1 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039592.D (-494) (-)



#16

Methylene chloride

Concen: 4.711 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

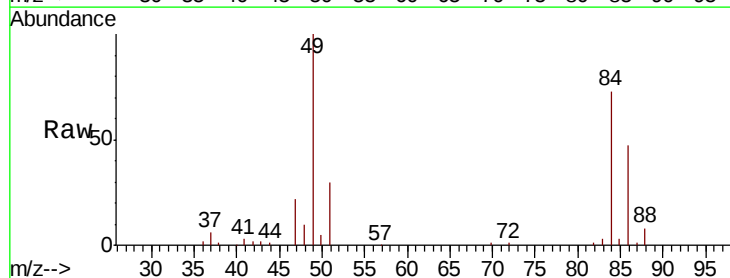
Tgt Ion: 84 Resp: 34480

Ion Ratio Lower Upper

84 100

86 63.9 43.8 81.4

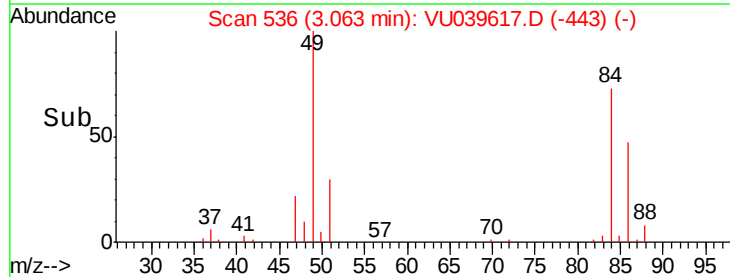
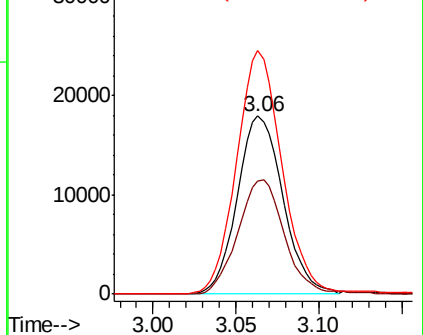
49 136.8 92.7 172.3

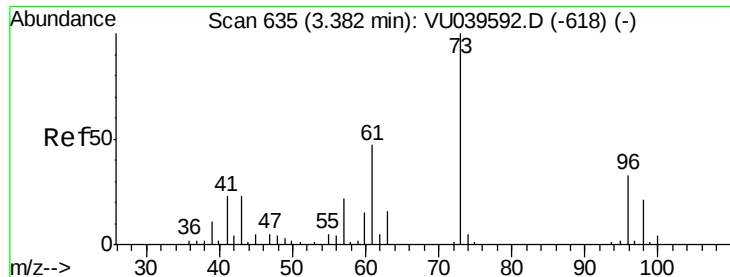


Abundance Ion 84.05 (83.75 to 84.75): VU039592.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039592.D (-523) (-)

Ion 49.10 (48.80 to 49.80): VU039592.D (-523) (-)

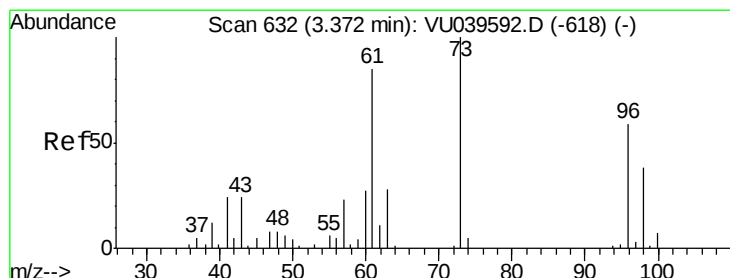
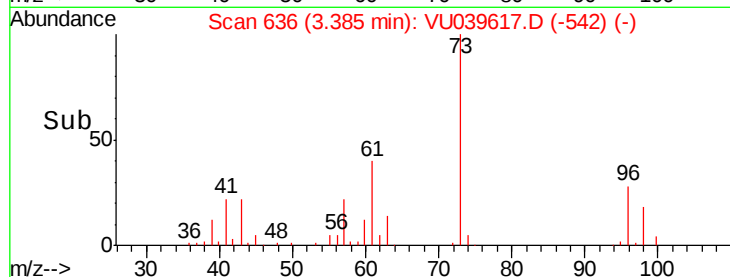
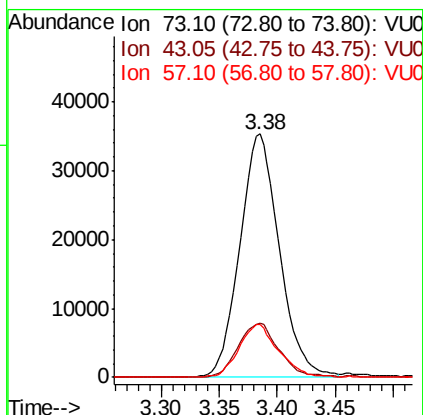
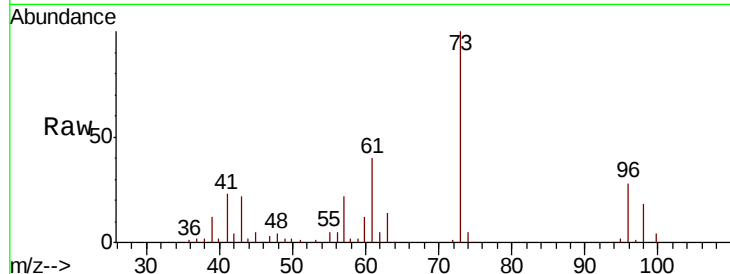




#17
Methvl tert-butvl Ether
Concen: 5.216 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

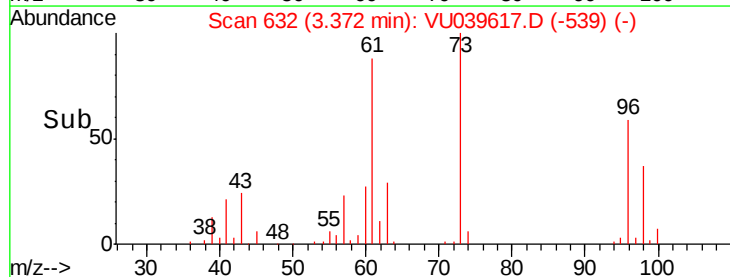
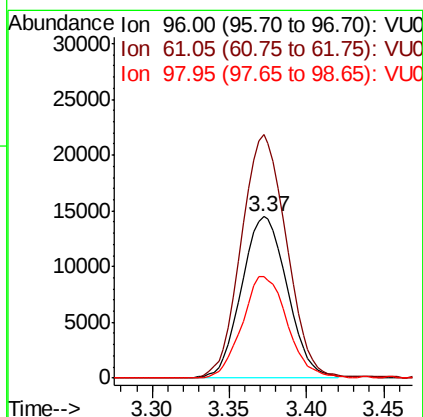
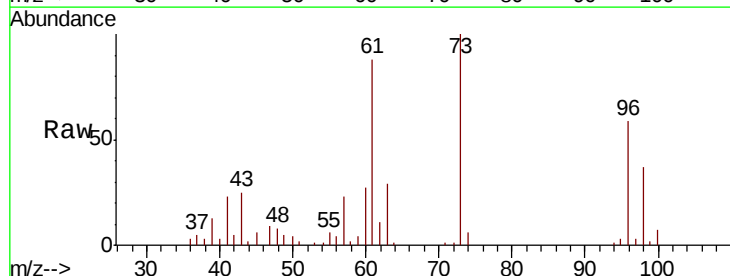
Instrument :
MSVOA_U
ClientSampleId :

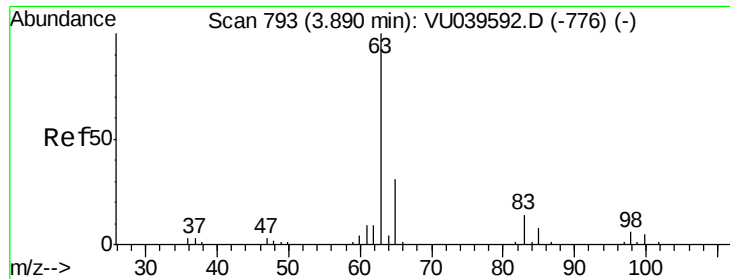
Tot Ion: 73 Resp: 83980
Ion Ratio Lower Upper
73 100
43 23.0 18.2 27.4
57 21.7 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.292 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Tgt Ion: 96 Resp: 29766
Ion Ratio Lower Upper
96 100
61 150.7 106.5 197.9
98 62.5 45.2 84.0

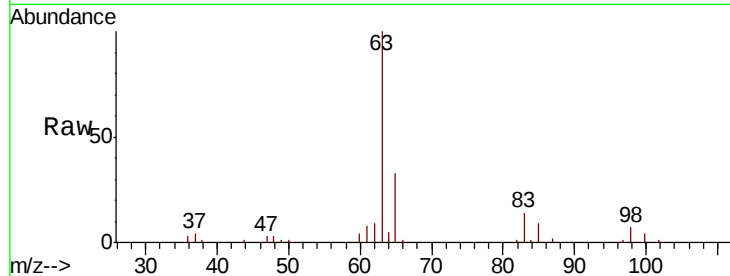




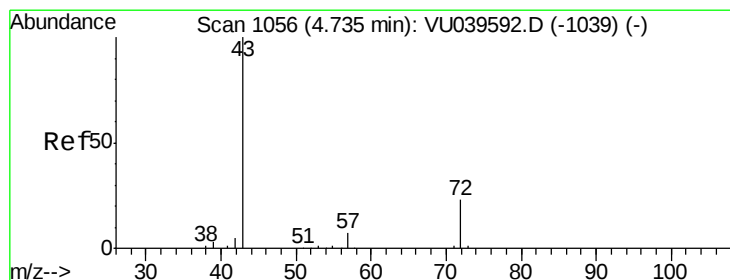
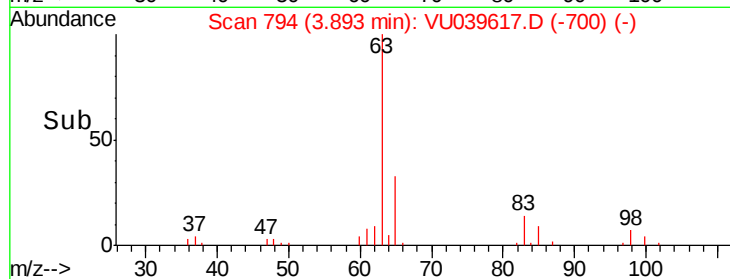
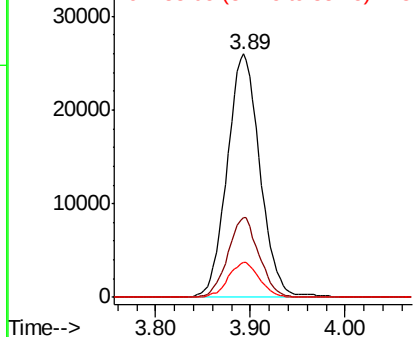
#19
 1,1-Dichloroethane
 Concen: 5.414 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 62453
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.8 40.4
 83 14.5 10.2 19.0

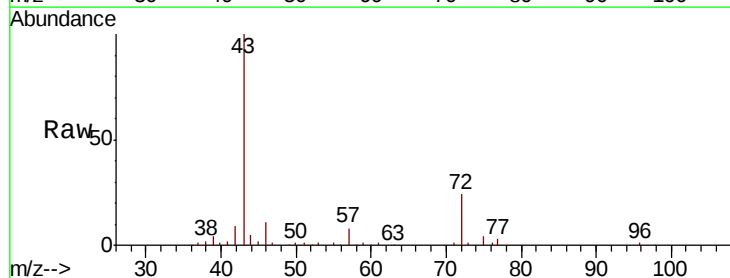


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

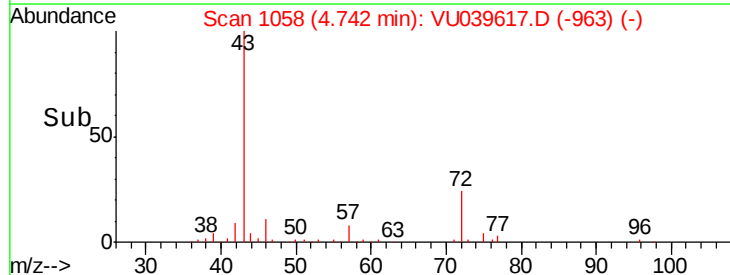
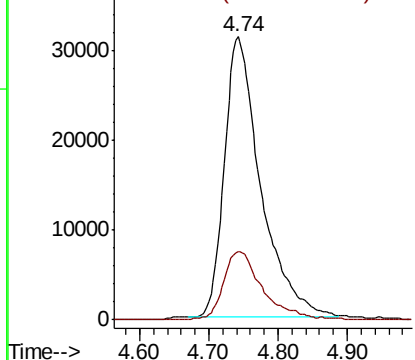


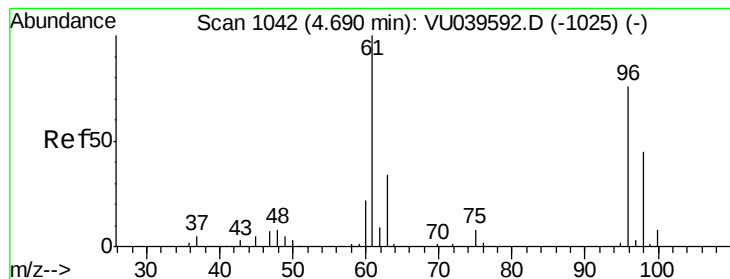
#21
 2-Butanone
 Concen: 52.598 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 43 Resp: 113707
 Ion Ratio Lower Upper
 43 100
 72 26.2 12.2 36.4



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





#22

cis-1,2-Dichloroethene

Concen: 5.236 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :
MSVOA_U
ClientSampleId :

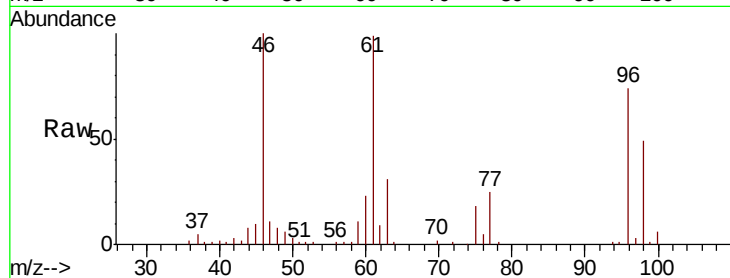
Tot Ion: 96 Resp: 34302

Ion Ratio Lower Upper

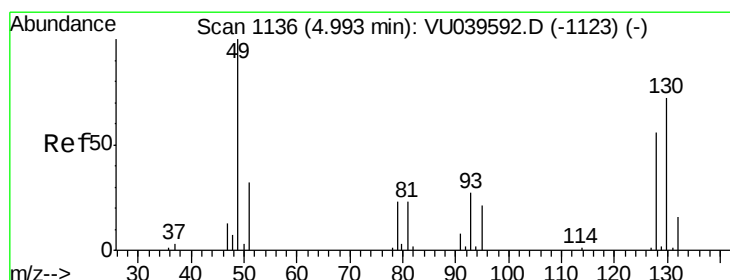
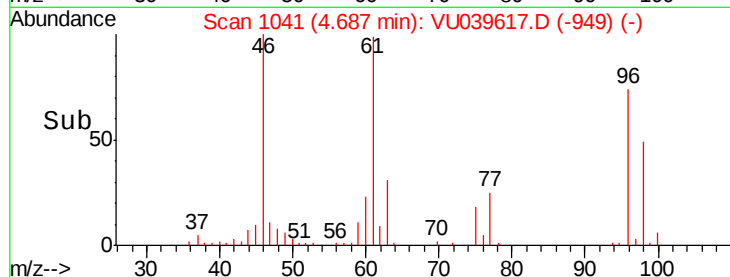
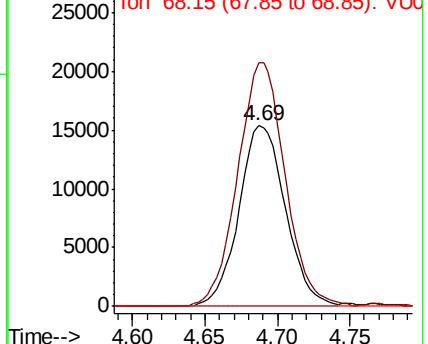
96 100

61 134.6 93.0 172.8

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: 5.145 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Tgt Ion:128 Resp: 15655

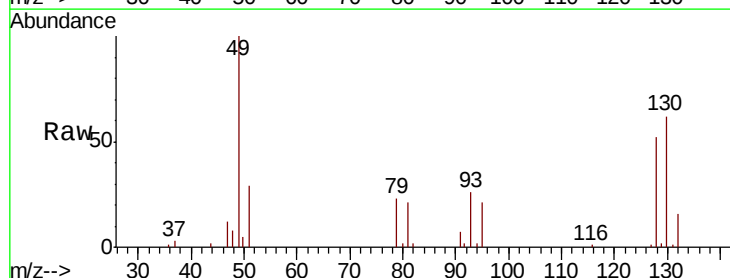
Ion Ratio Lower Upper

128 100

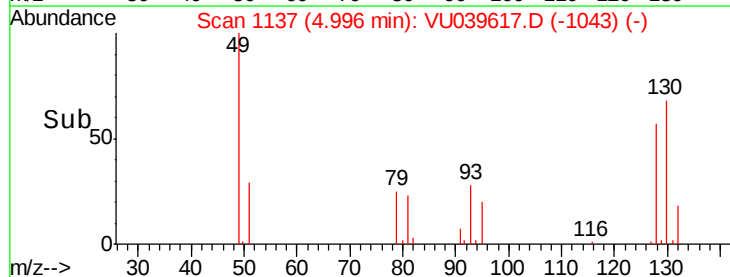
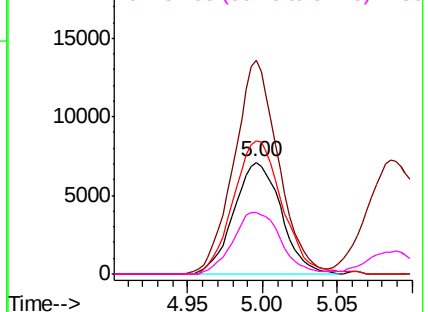
49 199.8 123.1 228.7

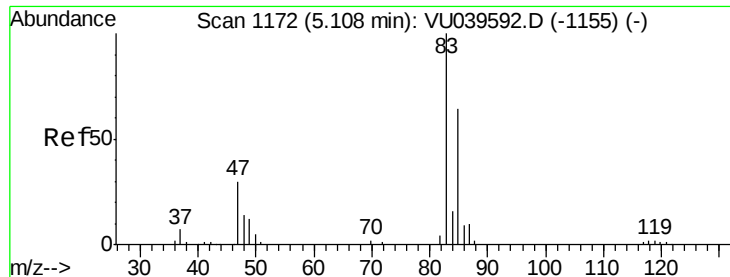
130 119.2 83.2 154.4

51 54.9 46.2 69.2



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

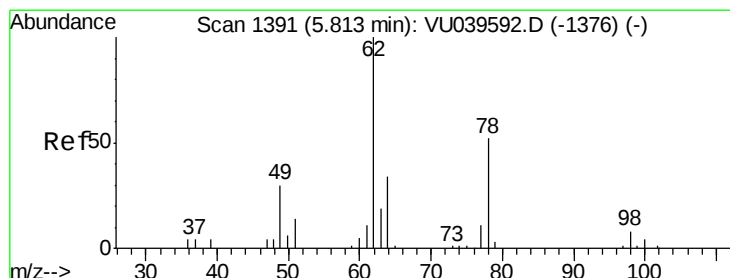
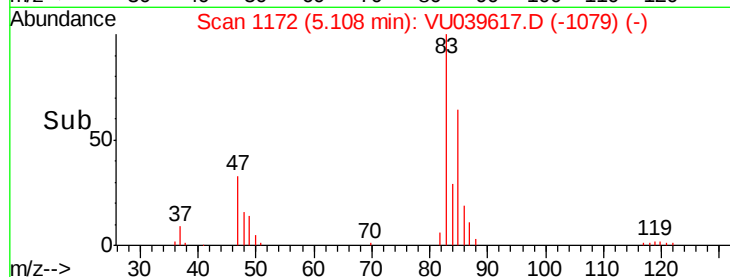
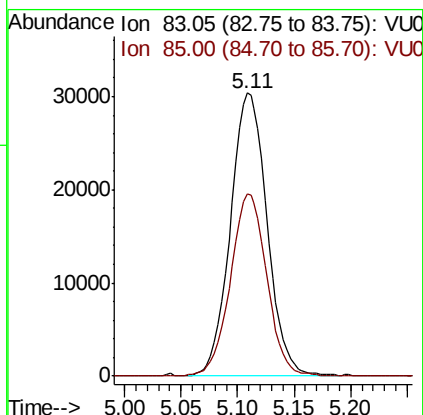
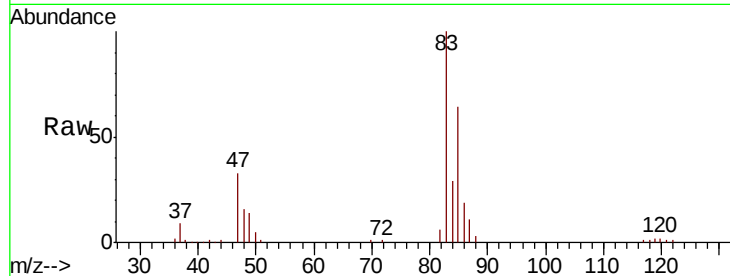




#25
Chloroform
Concen: 5.210 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

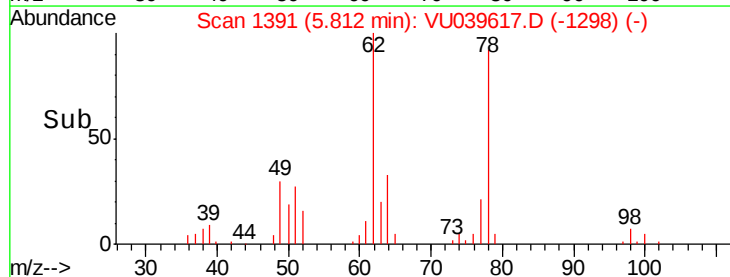
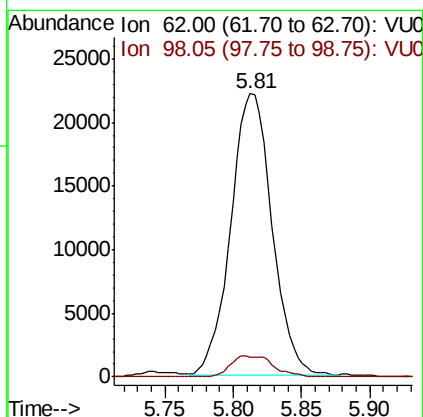
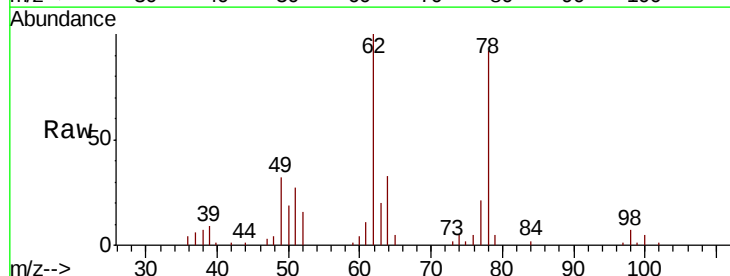
Instrument :
MSVOA_U
ClientSampleId :

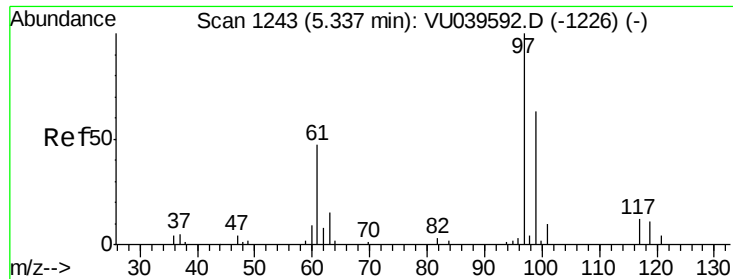
Tot Ion: 83 Resp: 68528
Ion Ratio Lower Upper
83 100
85 64.3 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.177 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Tgt Ion: 62 Resp: 46303
Ion Ratio Lower Upper
62 100
98 6.9 6.7 10.1

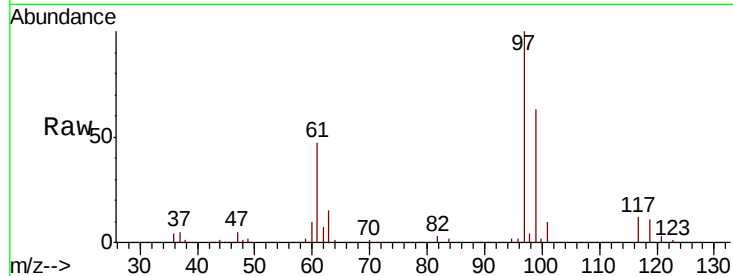




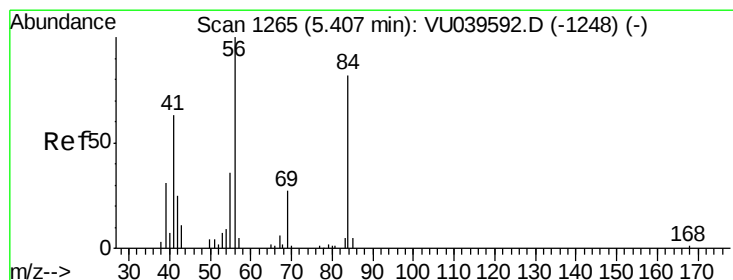
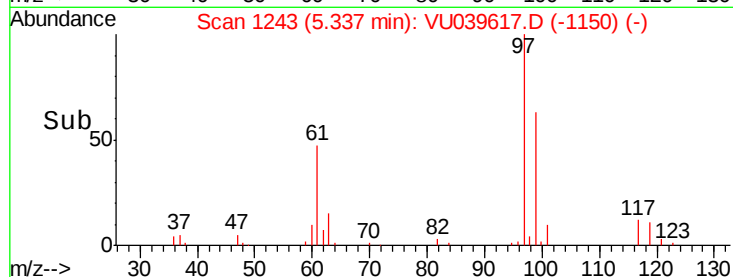
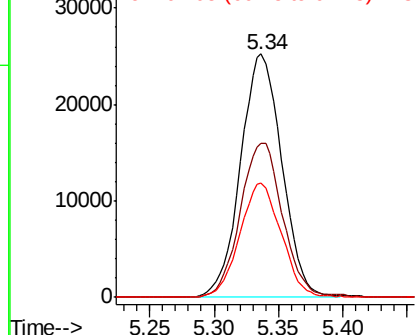
#29
 1,1,1-Trichloroethane
 Concen: 5.163 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 56328
 Ion Ratio Lower Upper
 97 100
 99 64.7 49.5 74.3
 61 47.1 38.8 58.2

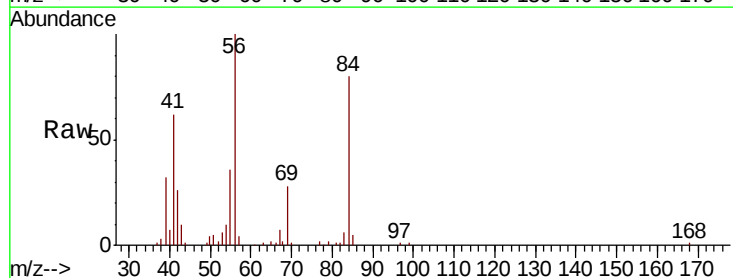


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

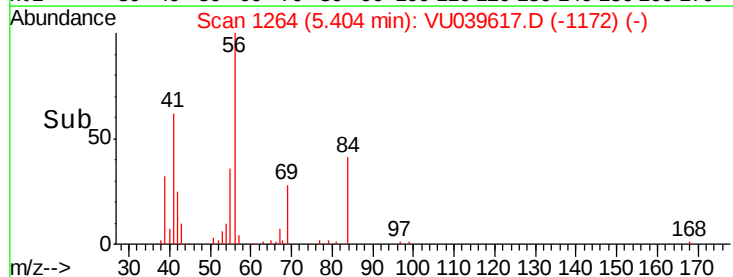
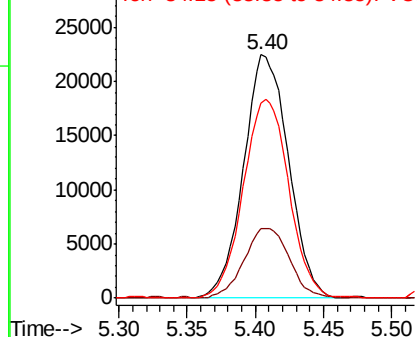


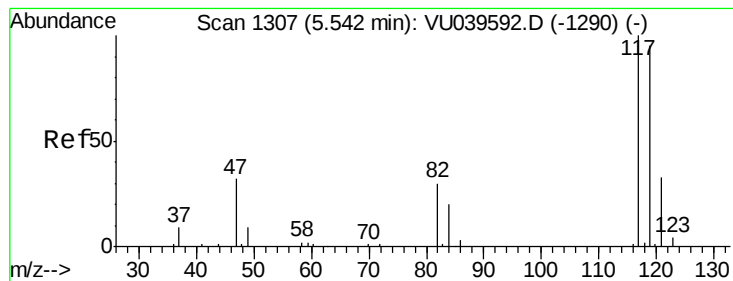
#30
 Cyclohexane
 Concen: 5.342 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 56 Resp: 51328
 Ion Ratio Lower Upper
 56 100
 69 28.8 24.0 36.0
 84 83.2 69.8 104.6



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





#31

Carbon tetrachloride

Concen: 5.181 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

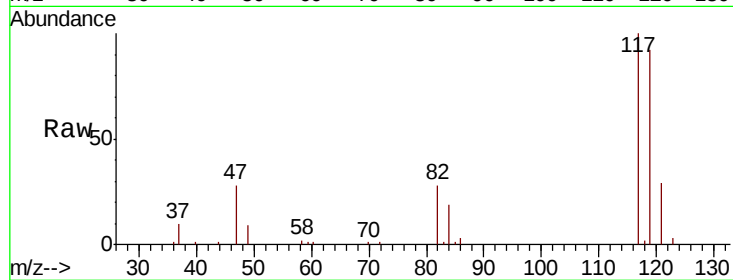
ClientSampleId :

Tot Ion:117 Resp: 48361

Ion Ratio Lower Upper

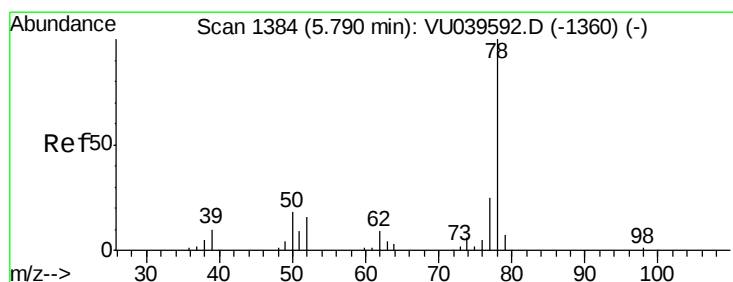
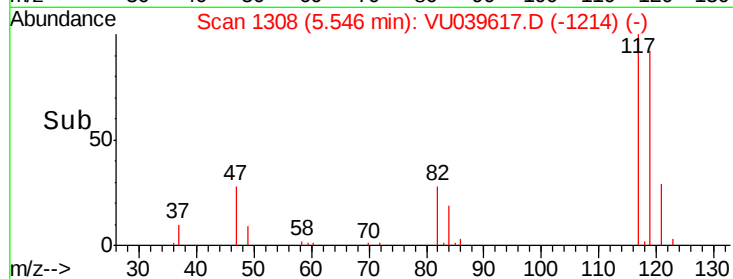
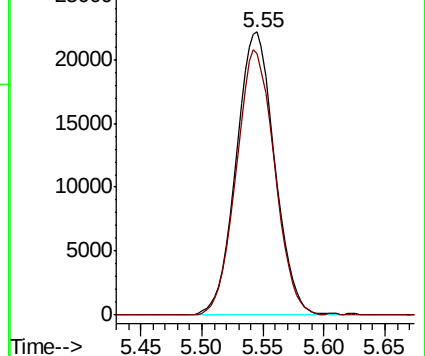
117 100

119 93.2 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.254 ug/L

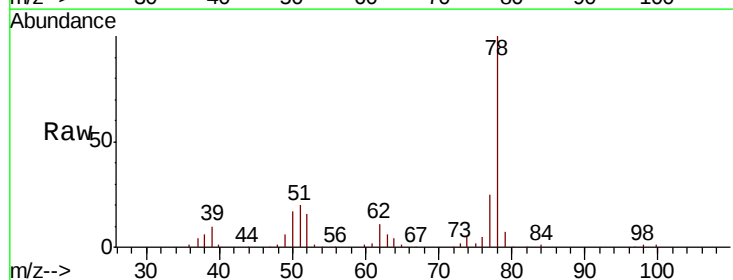
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

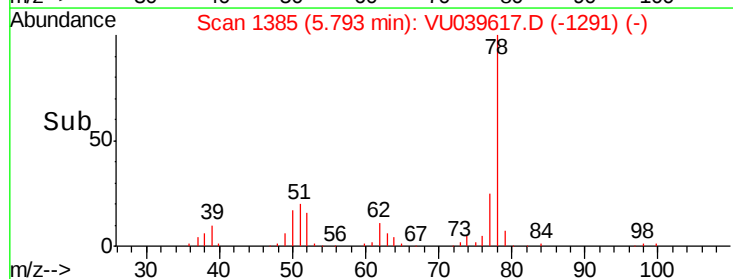
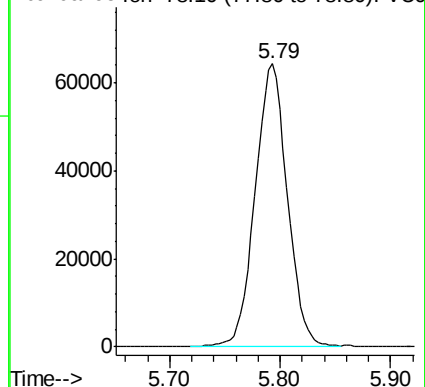
Lab File: VU039617.D

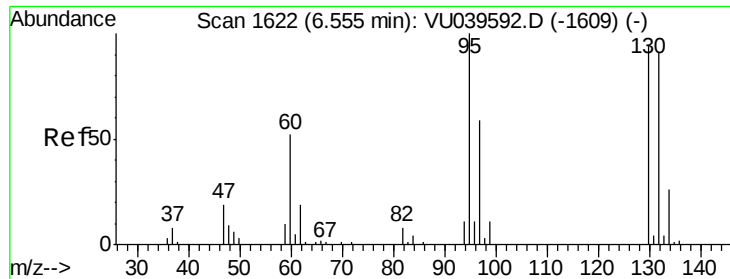
Acq: 21 Jul 2020 23:05

Tgt Ion: 78 Resp: 130365



Abundance Ion 78.10 (77.80 to 78.80): VU0

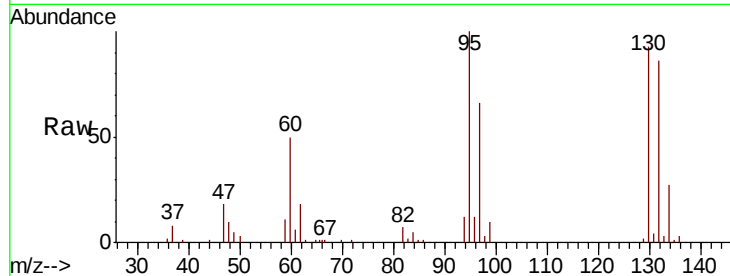




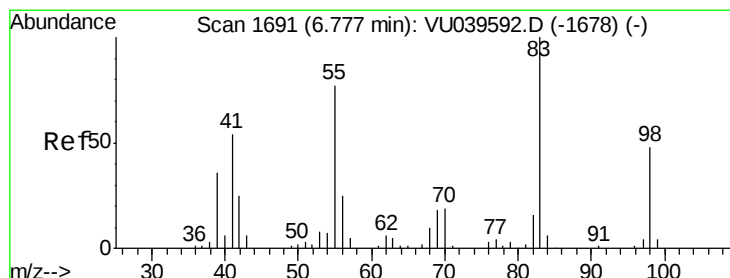
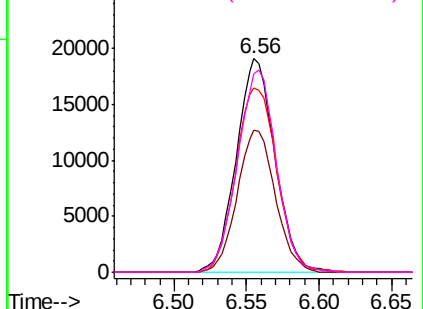
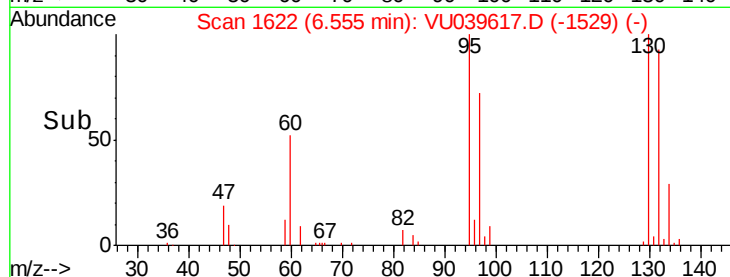
#34
 Trichloroethene
 Concen: 5.183 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 35416
 Ion Ratio Lower Upper
 95 100
 97 66.3 44.9 83.3
 132 86.0 62.8 116.6
 130 92.6 61.5 114.1

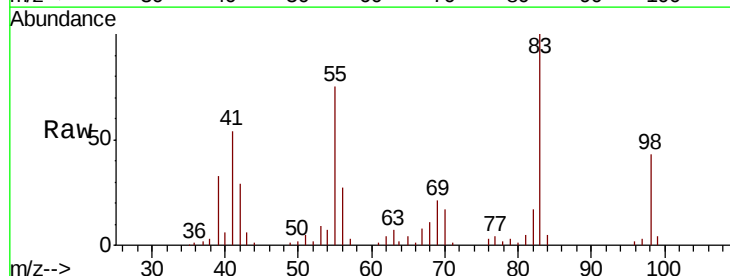


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

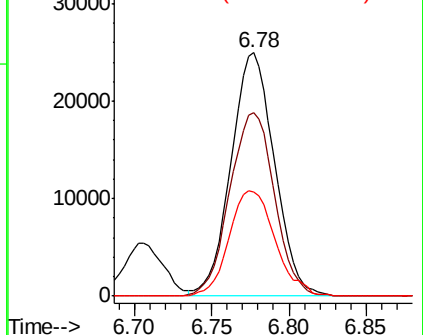
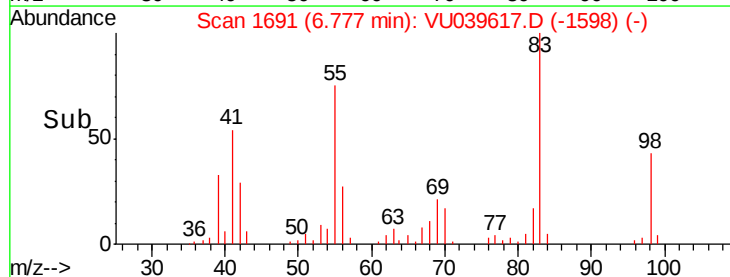


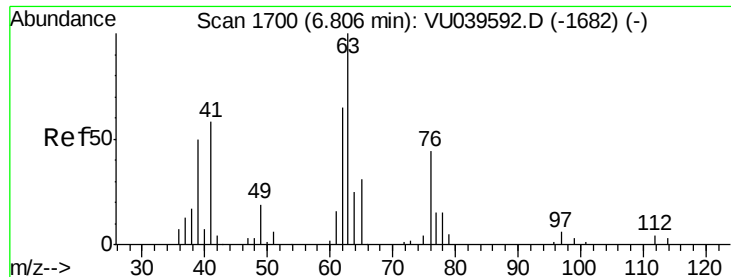
#35
 Methylcyclohexane
 Concen: 4.855 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 83 Resp: 48736
 Ion Ratio Lower Upper
 83 100
 55 77.9 63.0 94.6
 98 46.0 35.3 52.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

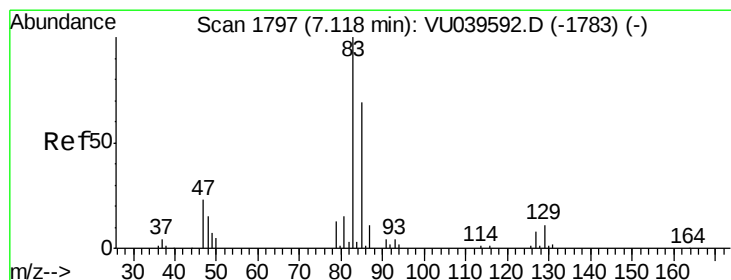
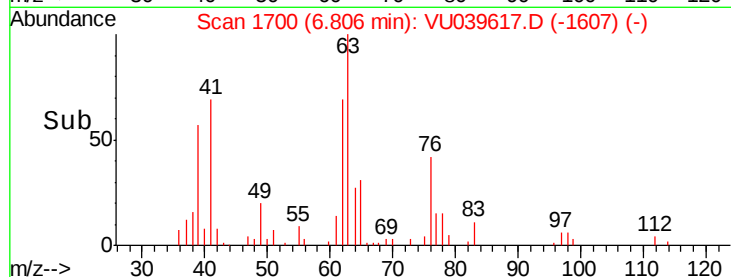
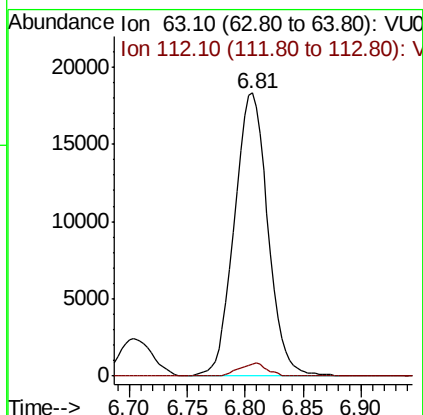
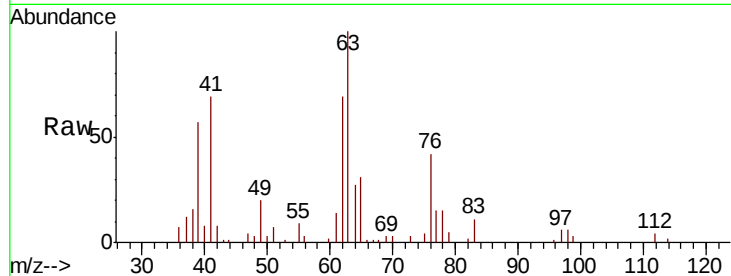




#37
 1,2-Dichloropropane
 Concen: 5.313 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

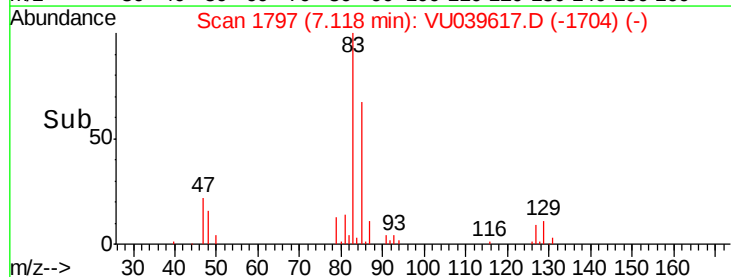
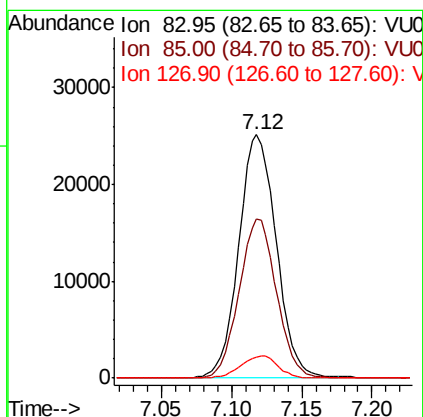
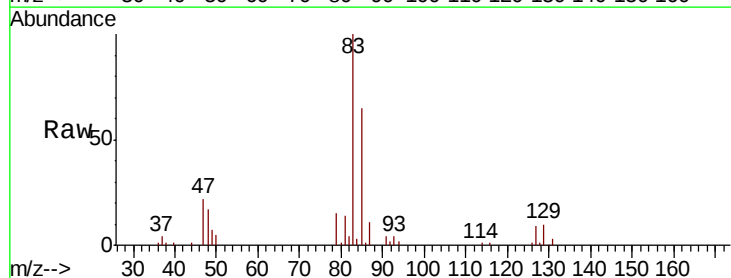
Instrument :
 MSVOA_U
 ClientSampled :

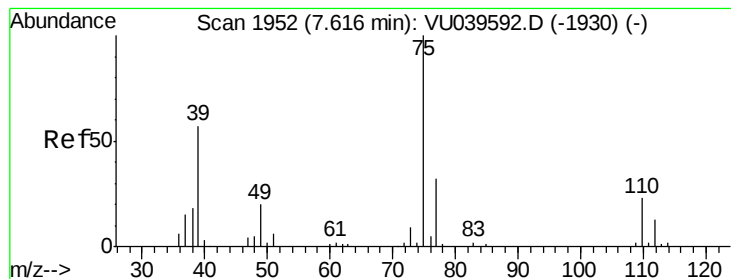
Tot Ion: 63 Resp: 36691
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.158 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 83 Resp: 46870
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.6 86.6
 127 8.6 7.0 10.6



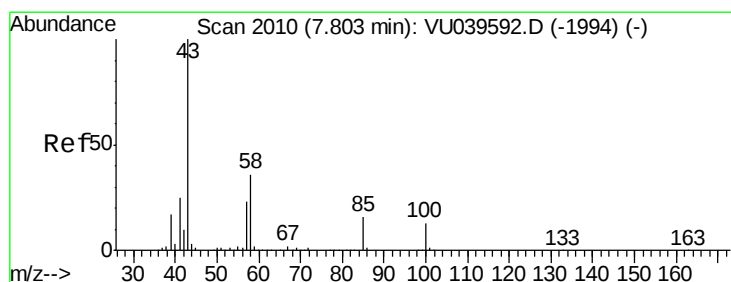
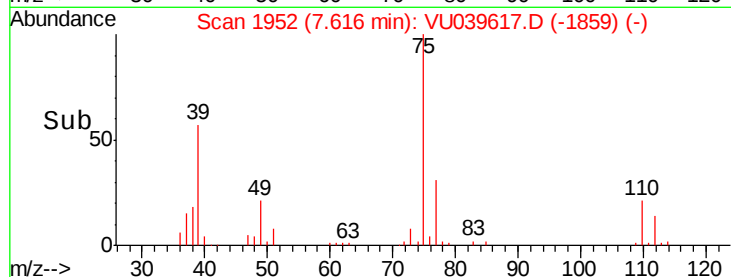
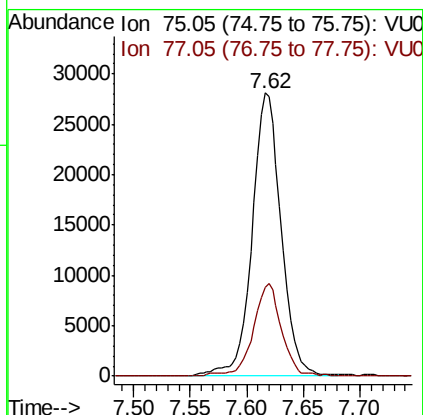
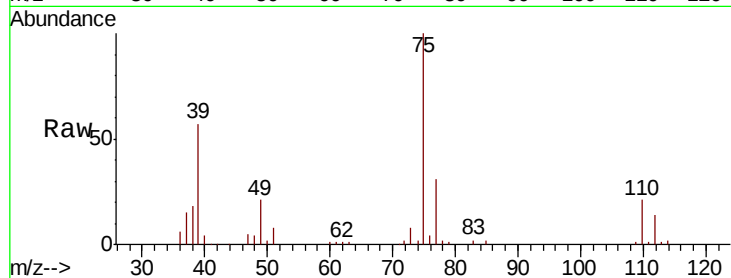


#39

cis-1,3-Dichloropropene
 Concen: 5.041 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

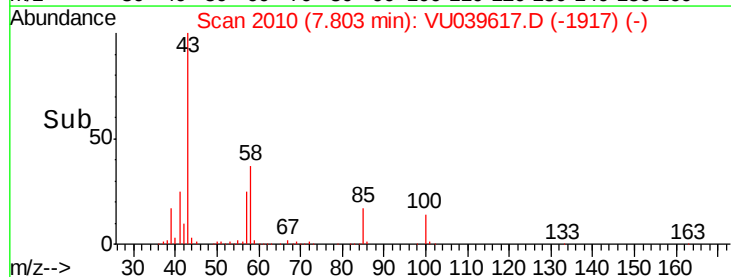
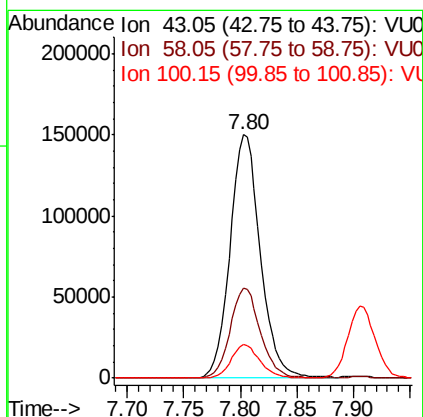
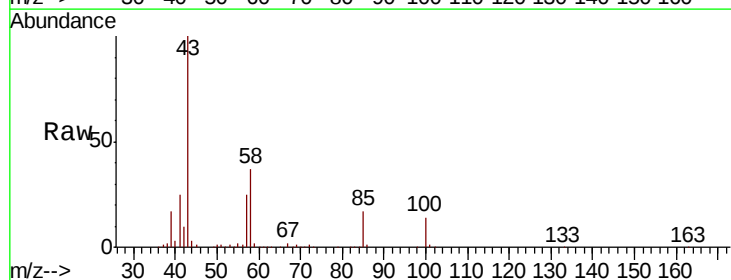
Tot Ion: 75 Resp: 50006
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.2 43.0

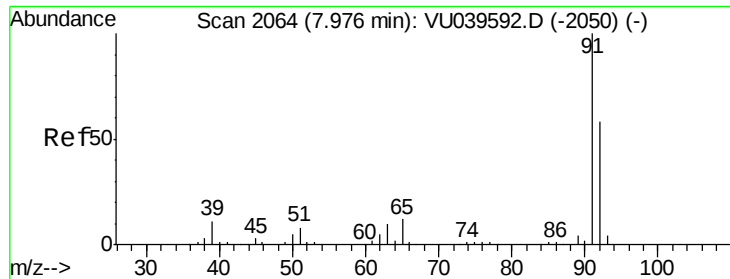


#40

4-Methyl-2-pentanone
 Concen: 51.827 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 43 Resp: 279383
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.2 43.8
 100 13.1 10.5 15.7





#42

Toluene

Concen: 5.287 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

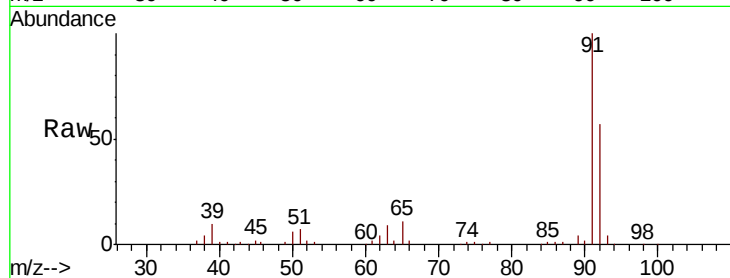
ClientSampleId :

Tot Ion: 91 Resp: 143611

Ion Ratio Lower Upper

91 100

92 56.8 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039592.D (-2050) (-)

7.98

80000

60000

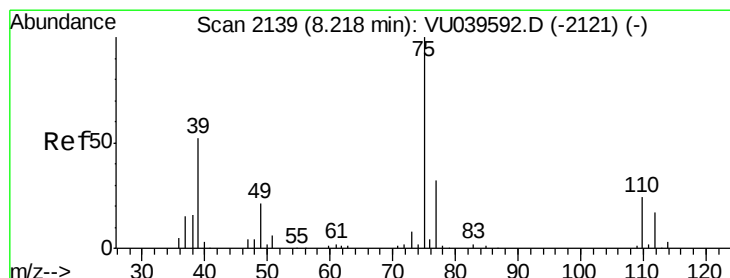
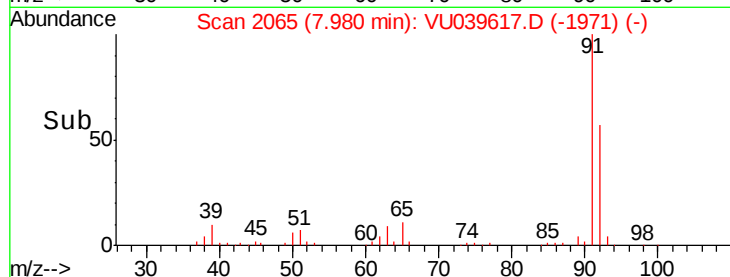
40000

20000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.903 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039617.D

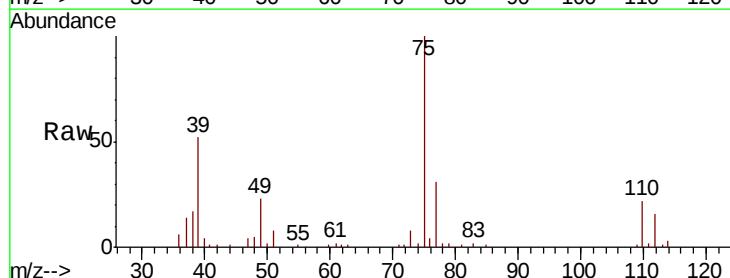
Acq: 21 Jul 2020 23:05

Tgt Ion: 75 Resp: 44419

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU039592.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039592.D (-2121) (-)

8.22

30000

25000

20000

15000

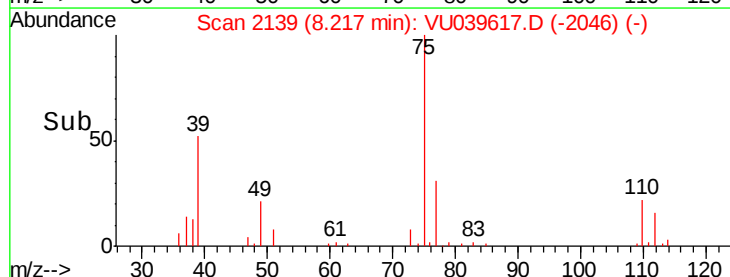
10000

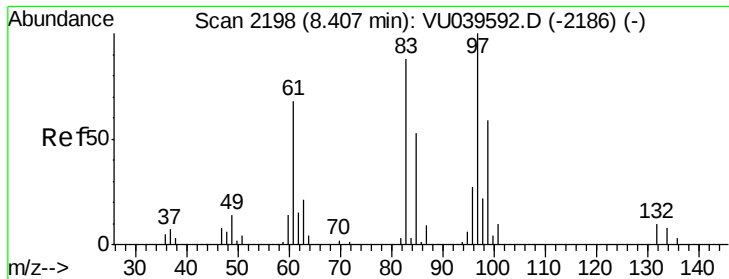
5000

0

8.10 8.15 8.20 8.25 8.30

Time-->

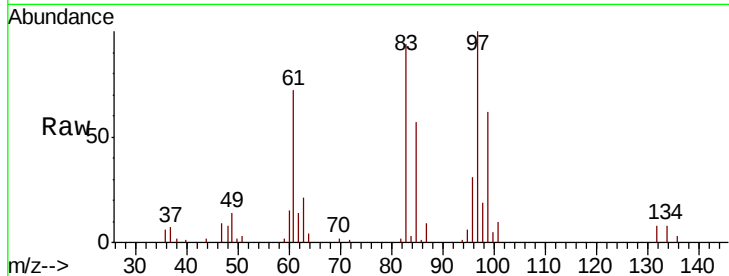




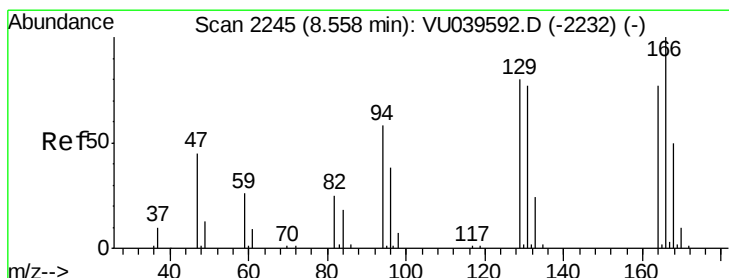
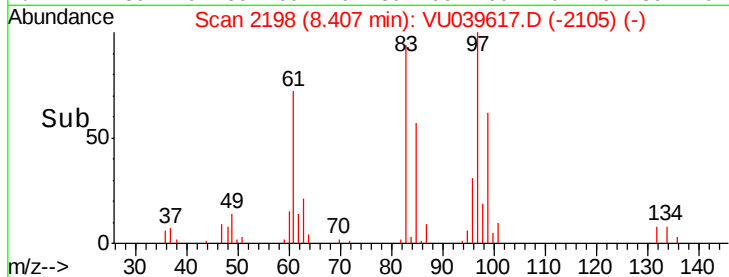
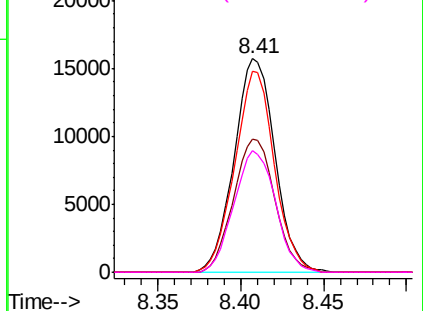
#45
 1,1,2-Trichloroethane
 Concen: 5.149 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	26995
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.2	84.0
83	94.0	64.9	120.5
85	57.1	41.4	77.0

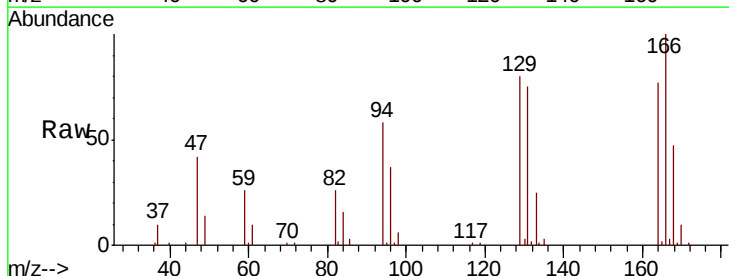


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

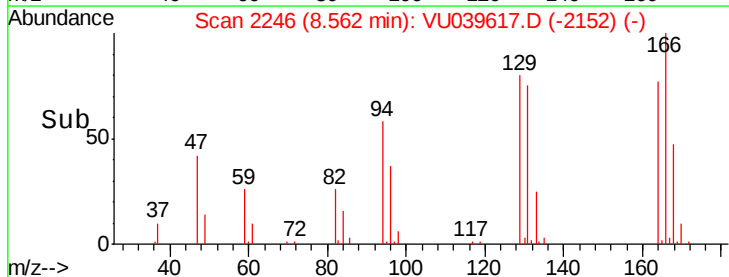
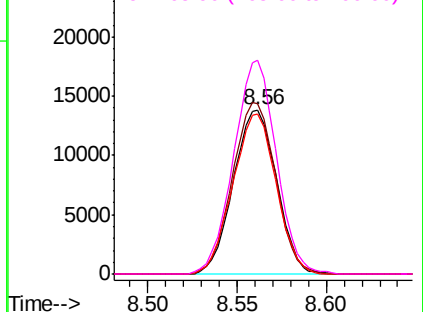


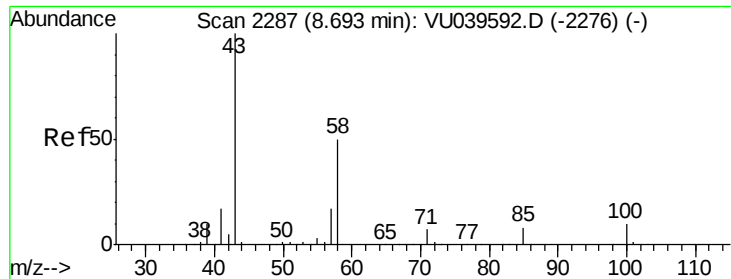
#47
 Tetrachloroethene
 Concen: 4.979 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion:	164	Resp:	23271
Ion	Ratio	Lower	Upper
164	100		
129	103.5	67.9	126.1
131	97.5	64.7	120.1
166	130.1	85.1	158.1



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

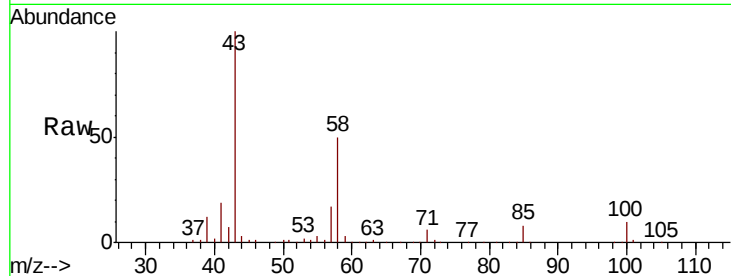




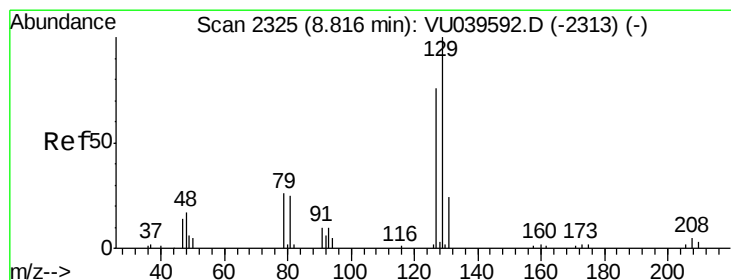
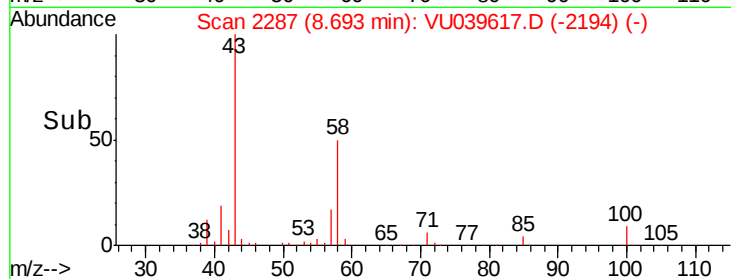
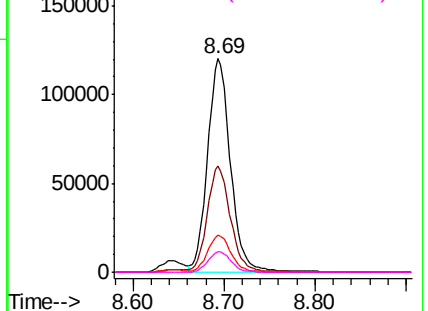
#48
2-Hexanone
Concen: 52.849 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	210872
Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.9	61.3
57	17.7	14.6	21.8
100	9.7	7.9	11.9

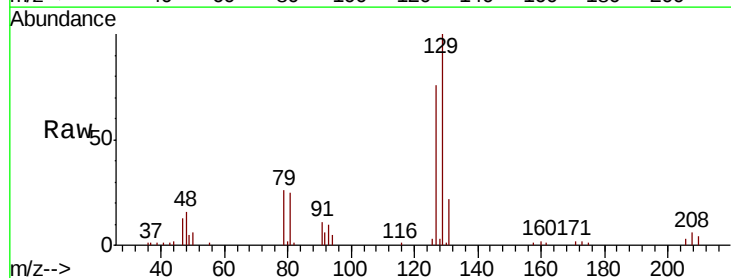


Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU039592.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU039592.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU039592.D (-2276) (-)

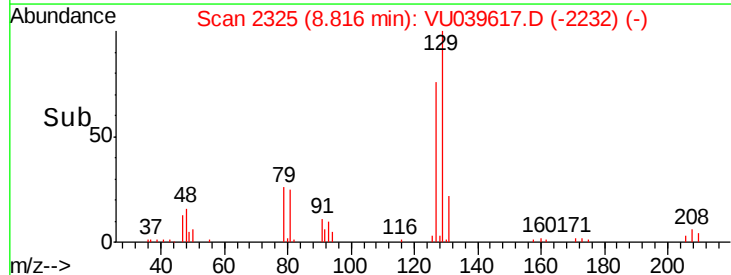
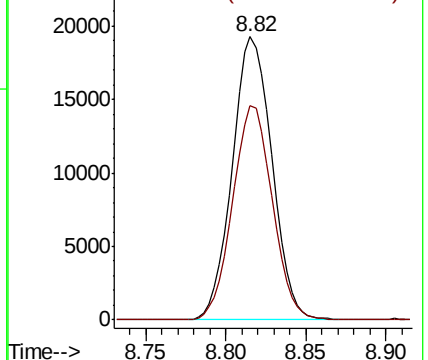


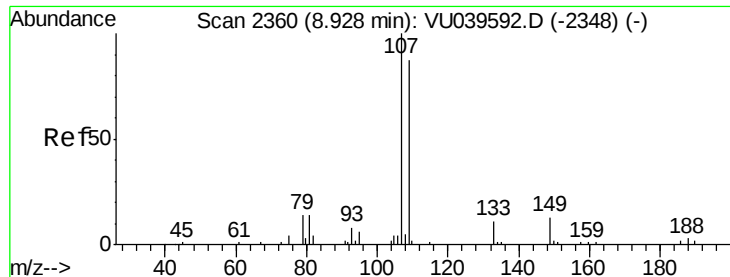
#49
Dibromochloromethane
Concen: 5.103 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Tgt Ion:	129	Resp:	32524
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VU039592.D (-2313) (-)
Ion 126.90 (126.60 to 127.60): VU039592.D (-2313) (-)





#50

1,2-Dibromoethane

Concen: 5.127 ug/L

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

ClientSampleId :

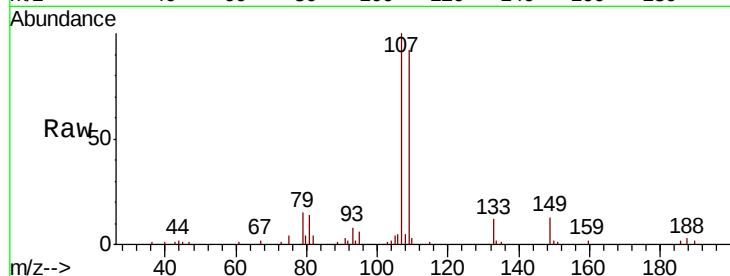
Tot Ion:107 Resp: 26339

Ion Ratio Lower Upper

107 100

109 92.0 66.1 122.7

188 3.5 2.4 3.6

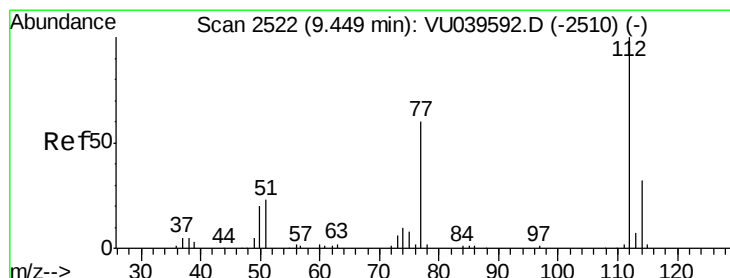
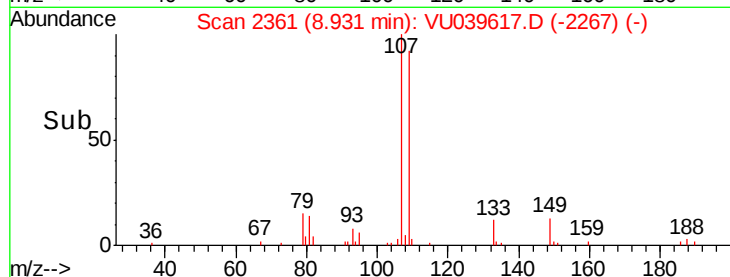
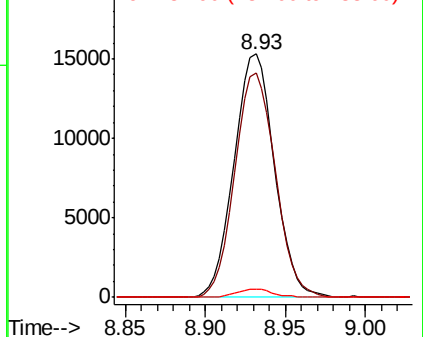


Abundance

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: 5.501 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

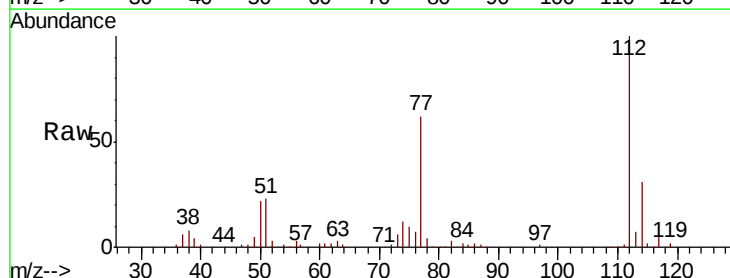
Tgt Ion:112 Resp: 95626

Ion Ratio Lower Upper

112 100

114 30.8 22.9 42.5

77 61.6 50.0 75.0

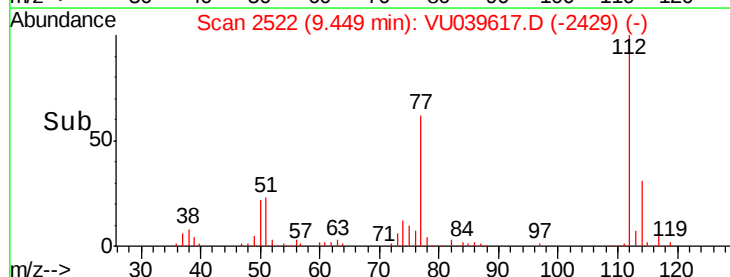
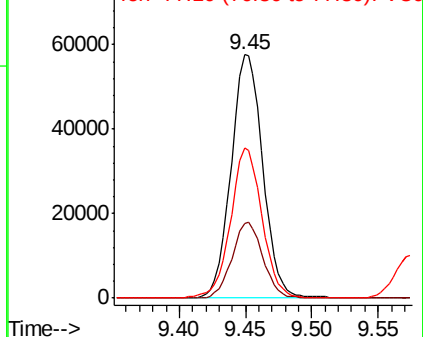


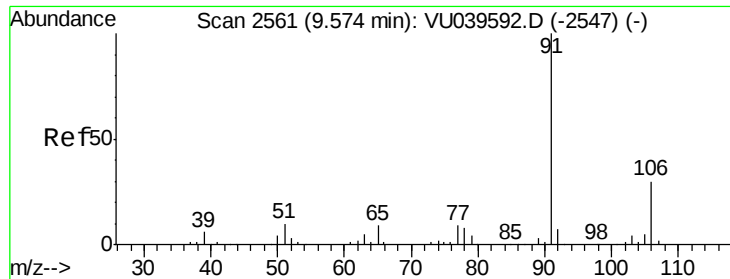
Abundance

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: 5.263 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

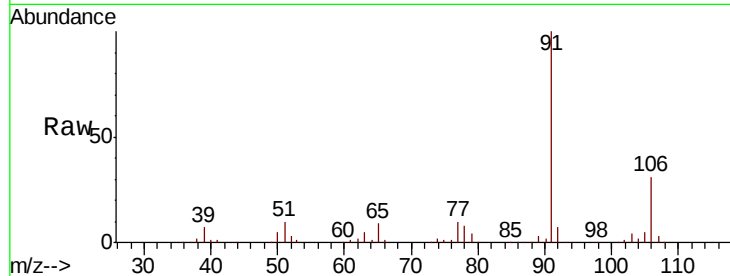
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 162614

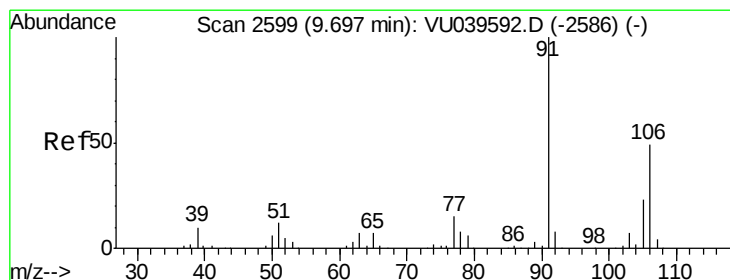
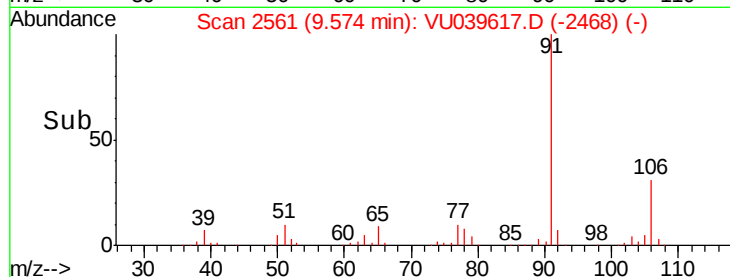
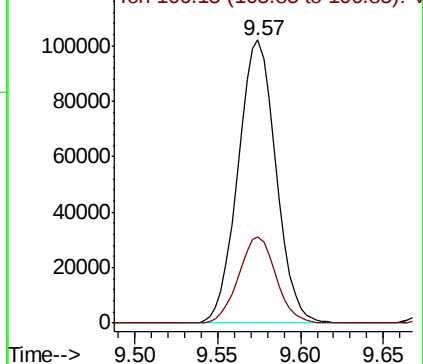
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039617.D (-2468) (-)



#53

m,p-Xylene

Concen: 5.303 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039617.D

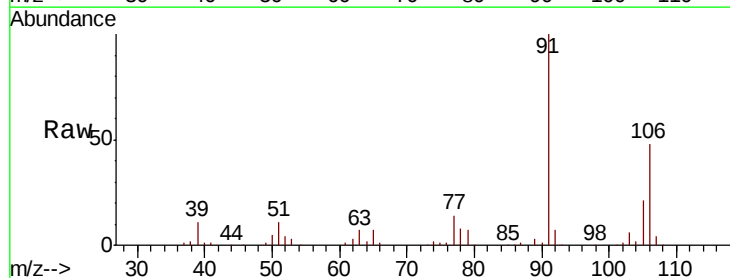
Acq: 21 Jul 2020 23:05

Tgt Ion: 106 Resp: 61144

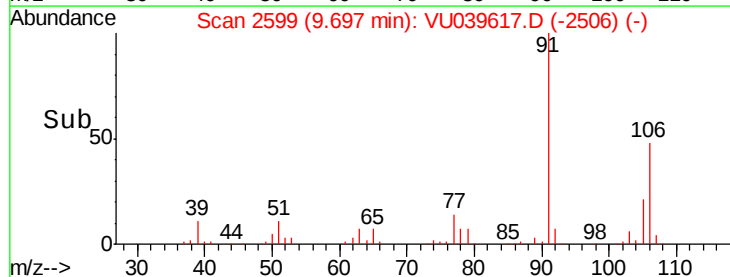
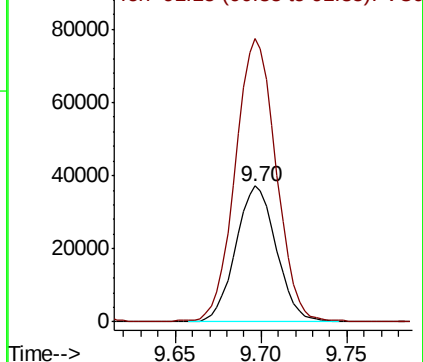
Ion Ratio Lower Upper

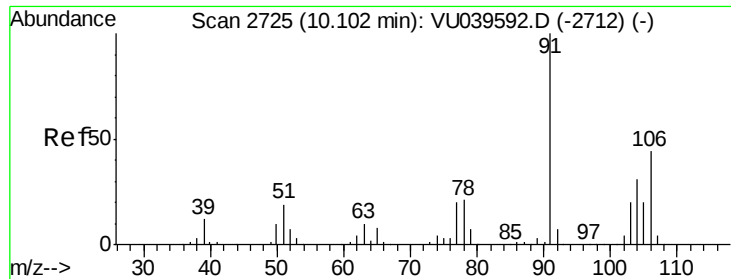
106 100

91 208.6 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039617.D (-2506) (-)

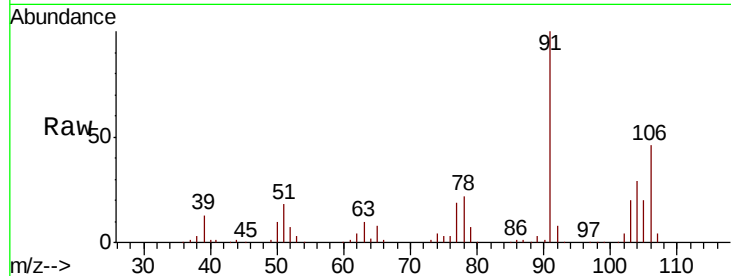




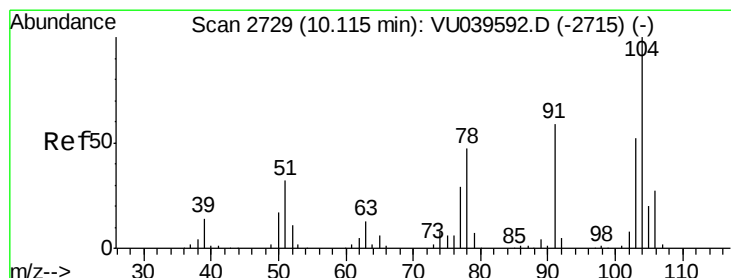
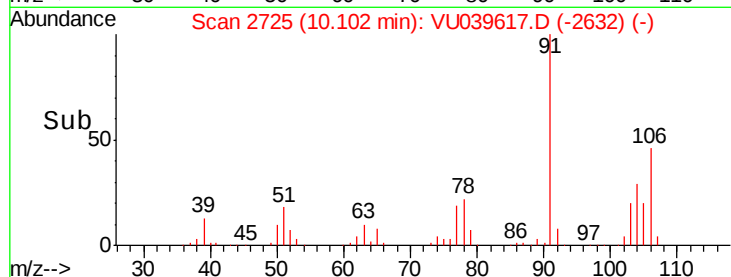
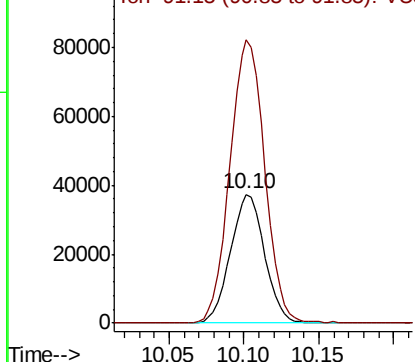
#54
o-Xylene
Concen: 5.276 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 59410
Ion Ratio Lower Upper
106 100
91 219.7 157.4 292.4

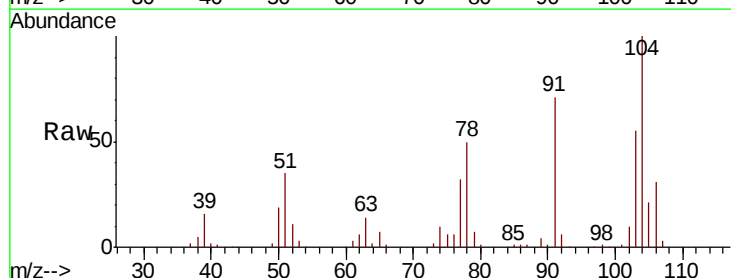


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

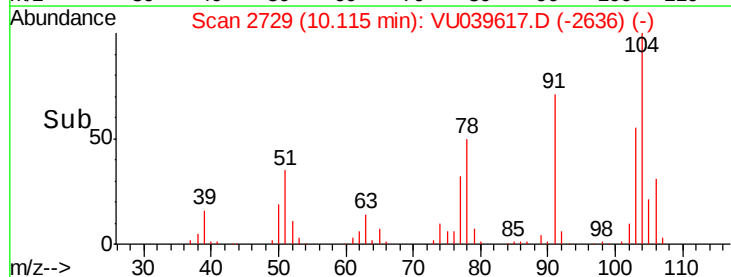
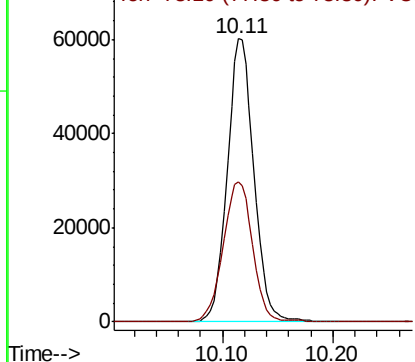


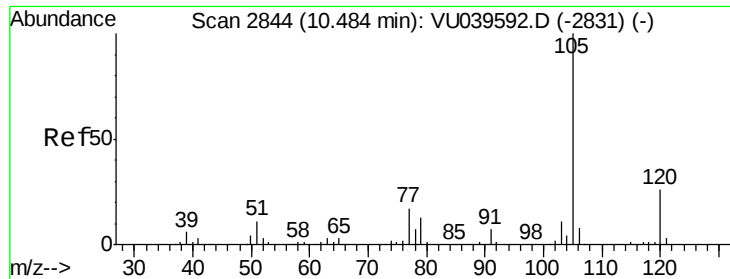
#55
Styrene
Concen: 5.318 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039617.D
Acq: 21 Jul 2020 23:05

Tgt Ion:104 Resp: 100546
Ion Ratio Lower Upper
104 100
78 49.7 34.4 64.0



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





#56

Isopropylbenzene

Concen: 5.214 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

ClientSampled :

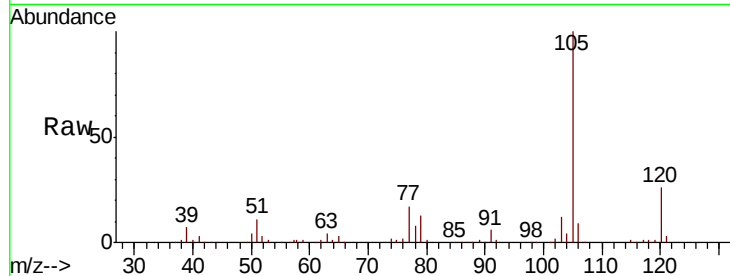
Tot Ion:105 Resp: 160258

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

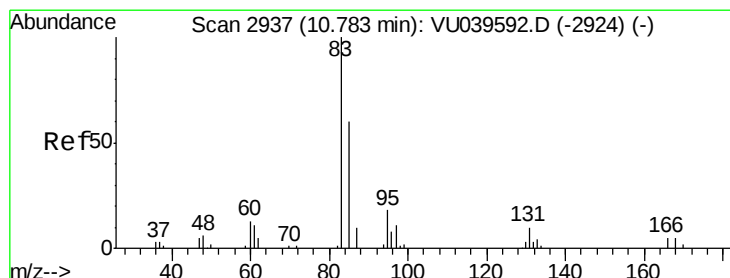
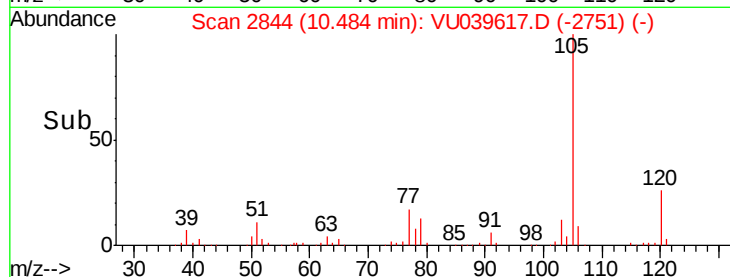
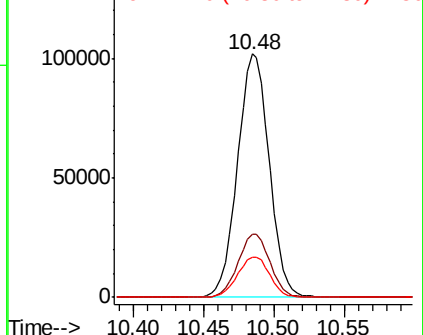
77 16.9 13.6 20.4



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: 5.232 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

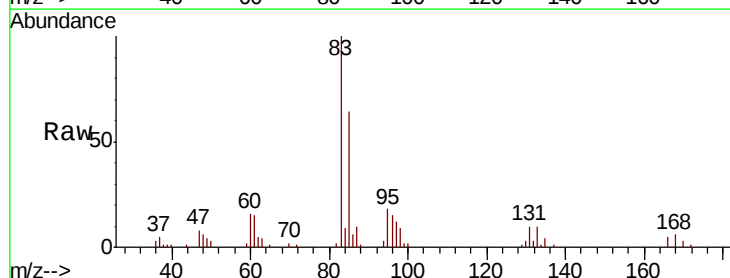
Tgt Ion: 83 Resp: 35472

Ion Ratio Lower Upper

83 100

85 64.4 43.5 80.9

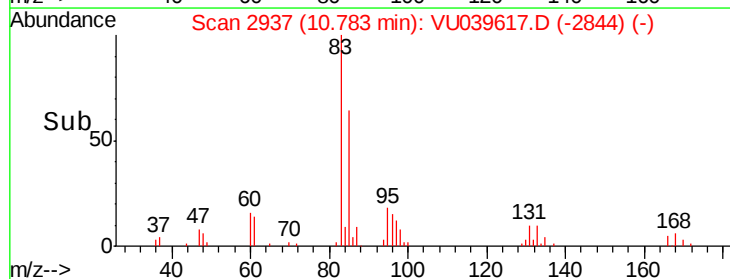
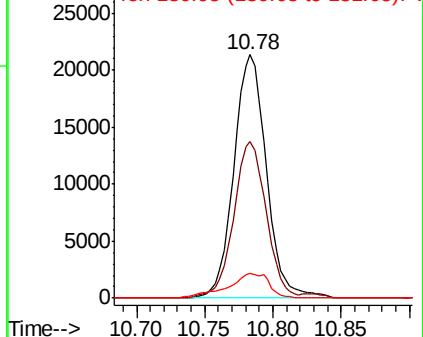
131 10.2 7.4 11.0

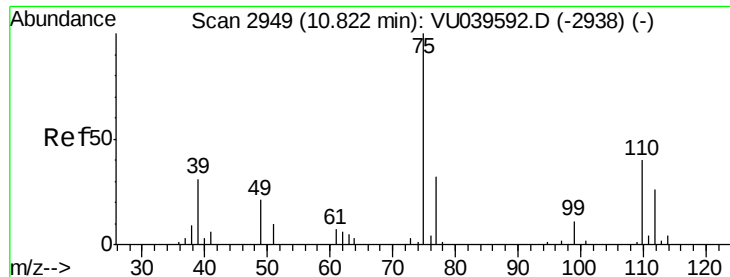


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

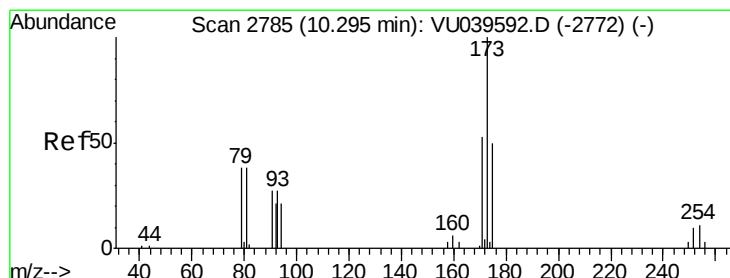
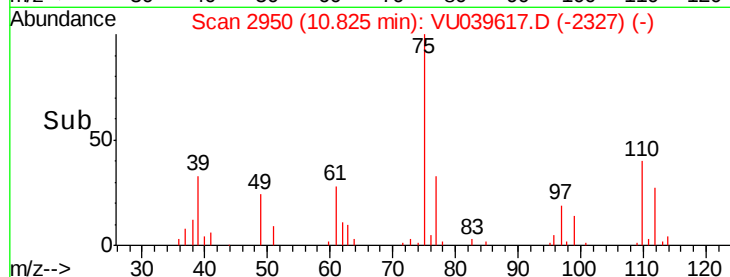
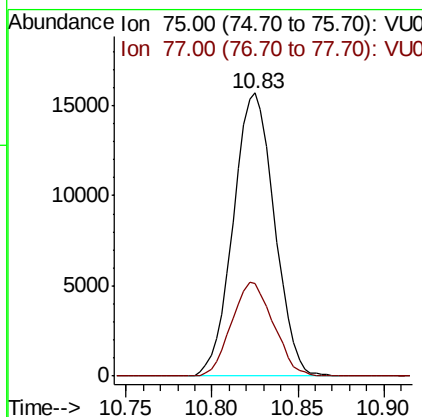
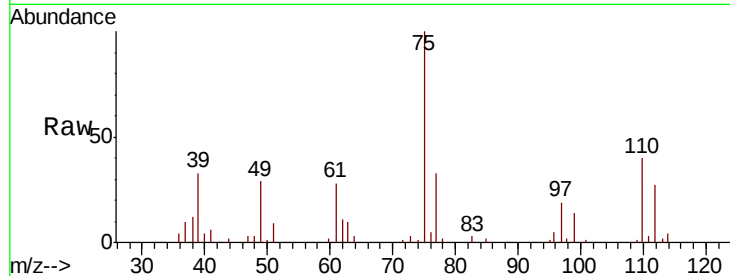




#59
 1,2,3-Trichloropropane
 Concen: 5.151 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

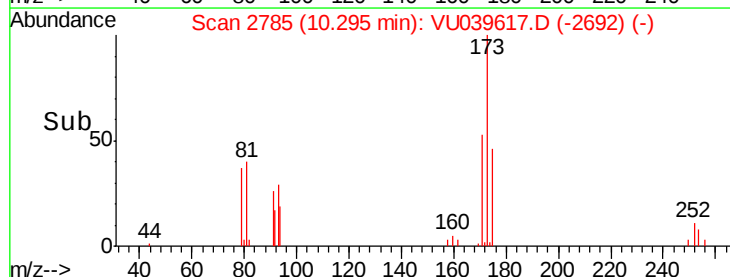
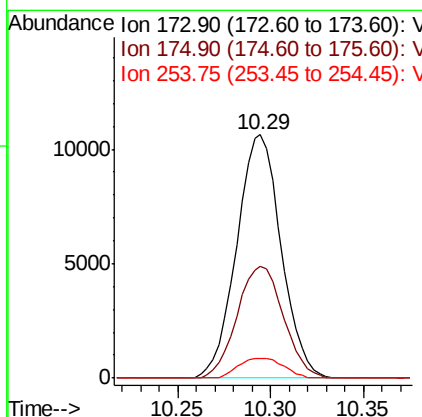
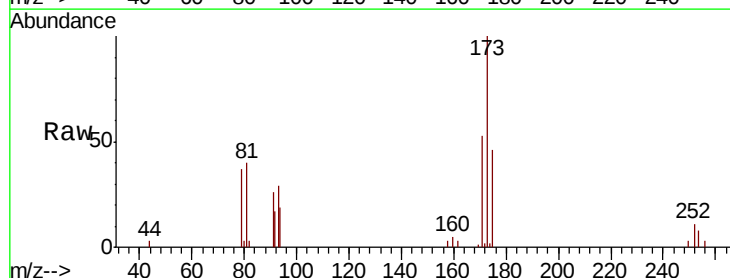
Instrument :
 MSVOA_U
 ClientSampleId :

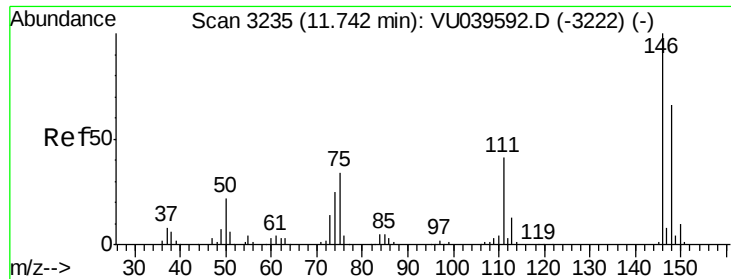
Tot Ion: 75 Resp: 26095
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.5 38.3



#61
 Bromoform
 Concen: 4.944 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 173 Resp: 17664
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.9 59.9
 254 8.3 6.5 9.7





#62

1,3-Dichlorobenzene

Concen: 5.139 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

ClientSampleId :

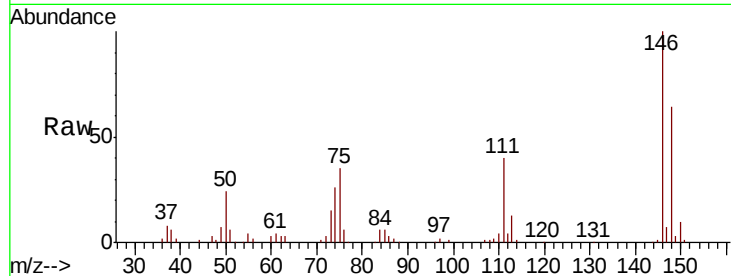
Tot Ion:146 Resp: 70451

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.9

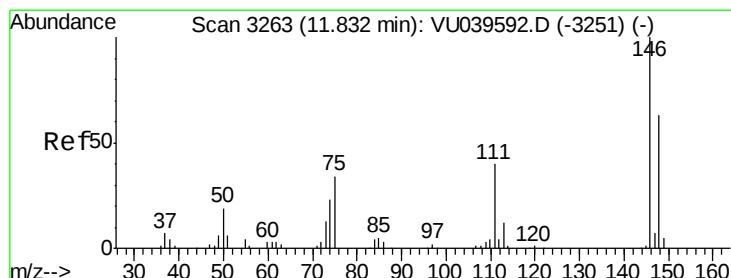
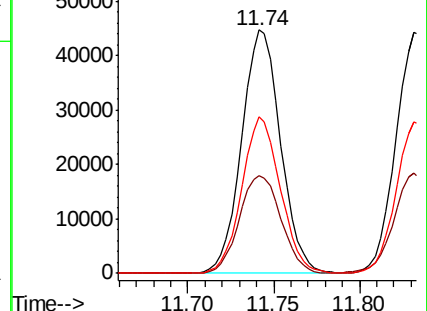
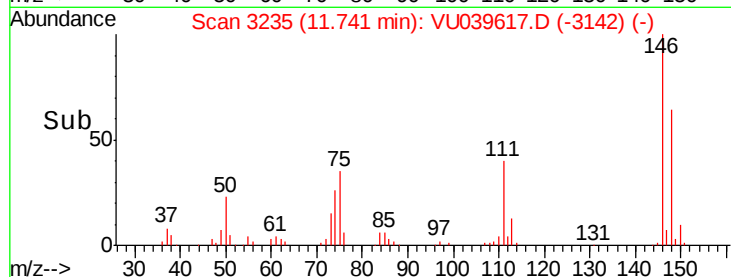
148 64.0 43.0 80.0



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: 5.129 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

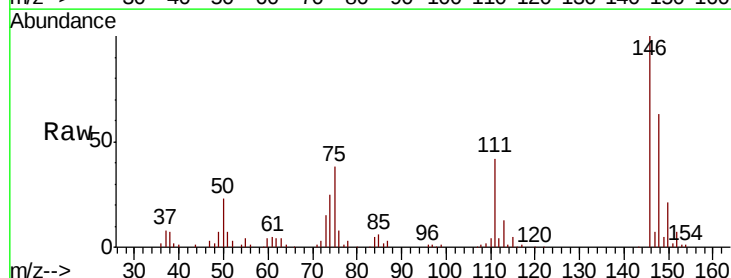
Tgt Ion:146 Resp: 70789

Ion Ratio Lower Upper

146 100

111 41.8 29.9 55.5

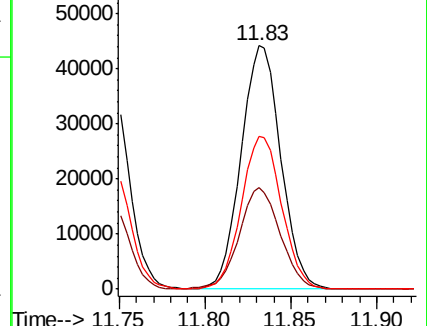
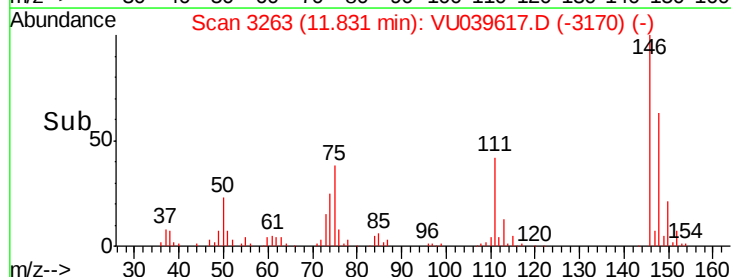
148 62.7 44.8 83.2

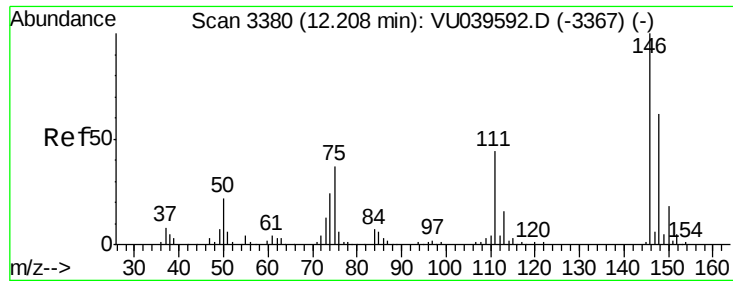


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

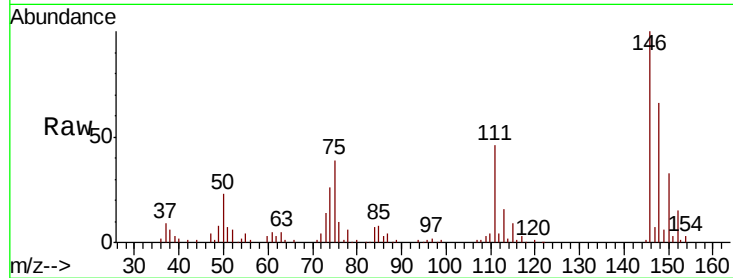




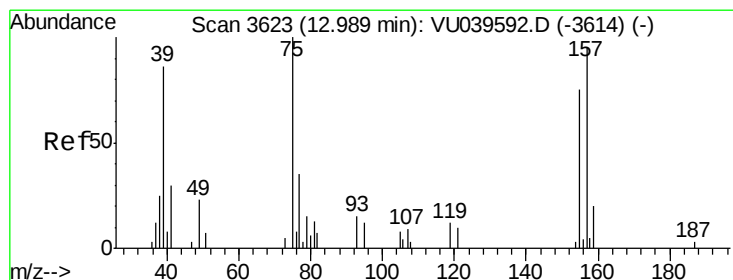
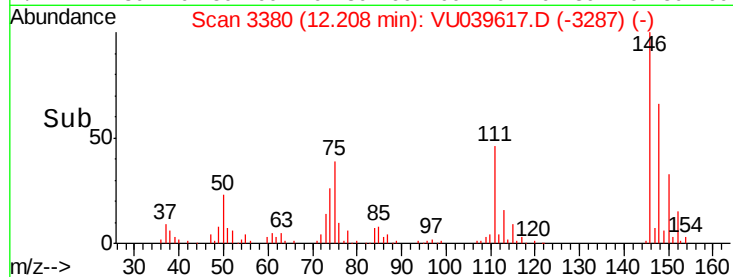
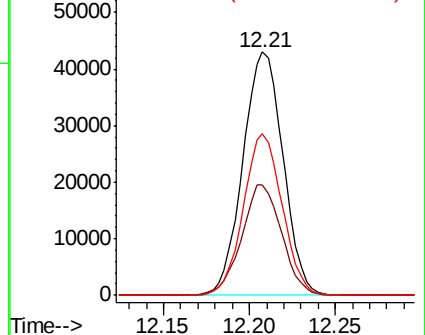
#65
 1,2-Dichlorobenzene
 Concen: 5.259 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 69635
 Ion Ratio Lower Upper
 146 100
 111 45.5 34.3 51.5
 148 66.4 52.0 78.0

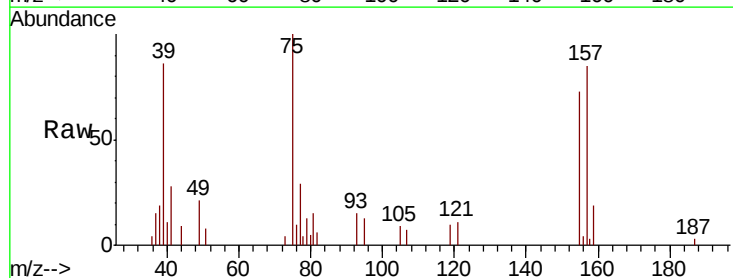


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

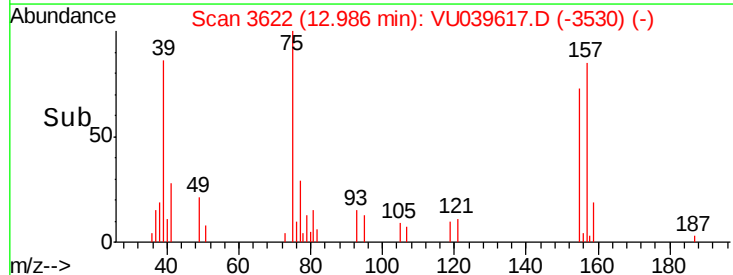
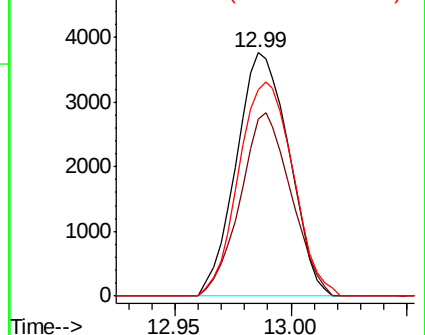


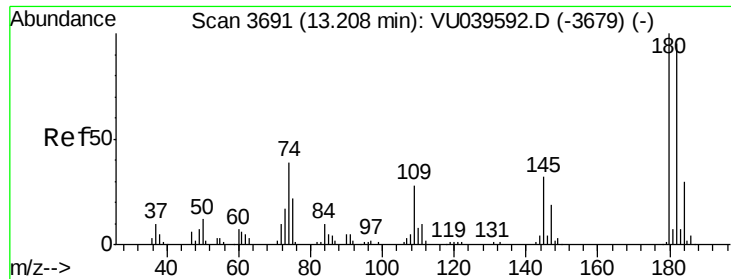
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.868 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion: 75 Resp: 5940
 Ion Ratio Lower Upper
 75 100
 155 72.6 48.4 72.6#
 157 85.0 68.2 102.2



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

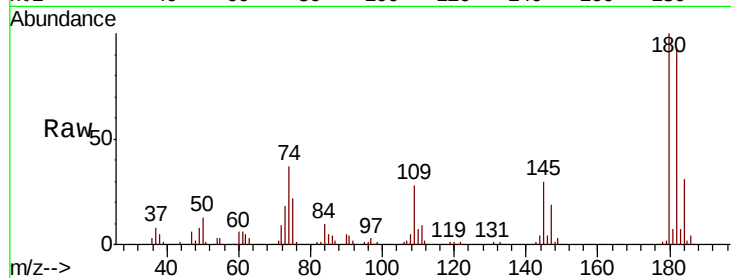




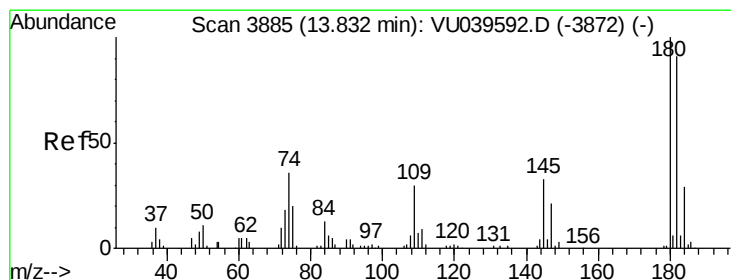
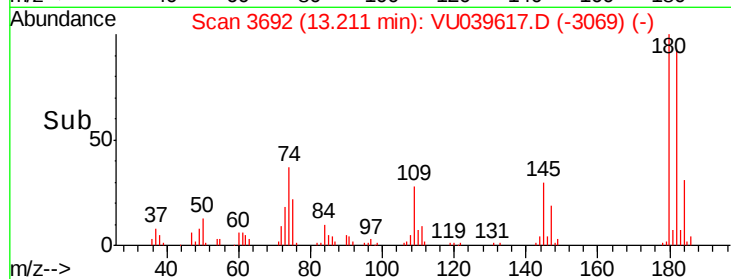
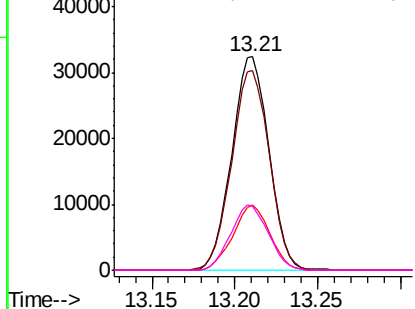
#67
 1,3,5-Trichlorobenzene
 Concen: 5.132 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 50637
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.5 114.7
 184 30.4 24.8 37.2
 145 30.8 23.8 35.8

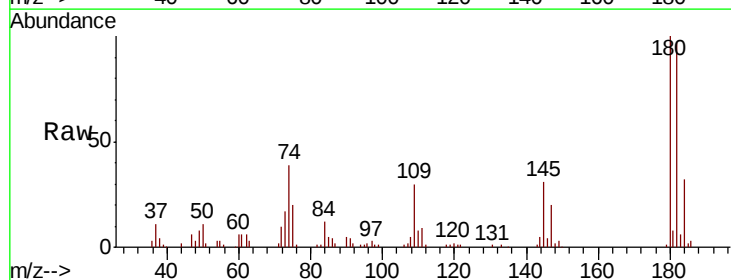


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

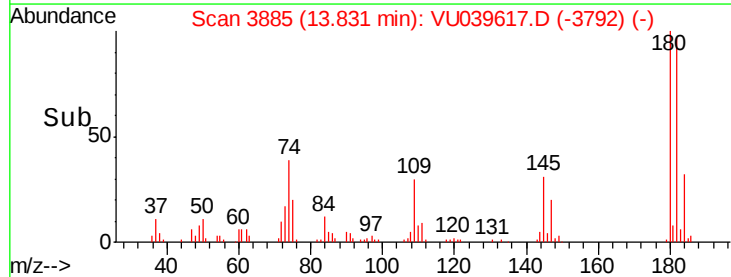
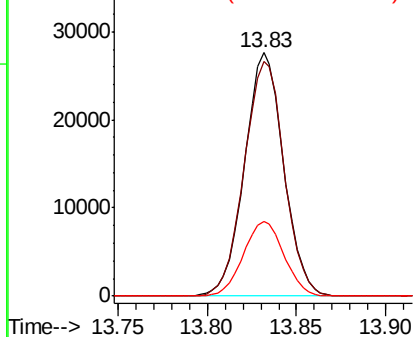


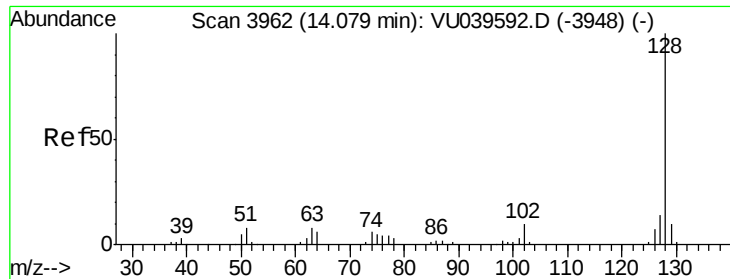
#68
 1,2,4-trichlorobenzene
 Concen: 5.199 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039617.D
 Acq: 21 Jul 2020 23:05

Tgt Ion:180 Resp: 42128
 Ion Ratio Lower Upper
 180 100
 182 99.0 78.8 118.2
 145 31.7 26.7 40.1



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





#69

Naphthalene

Concen: 5.208 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

Instrument :

MSVOA_U

ClientSampled :

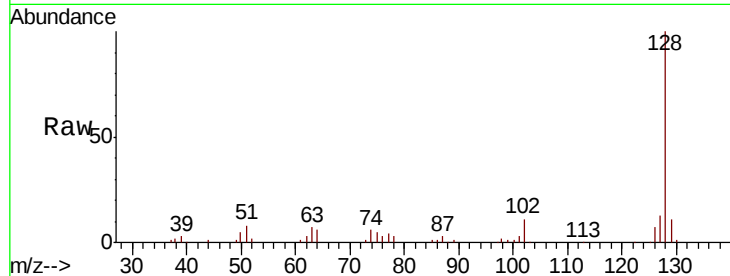
Tot Ion:128 Resp: 71456

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

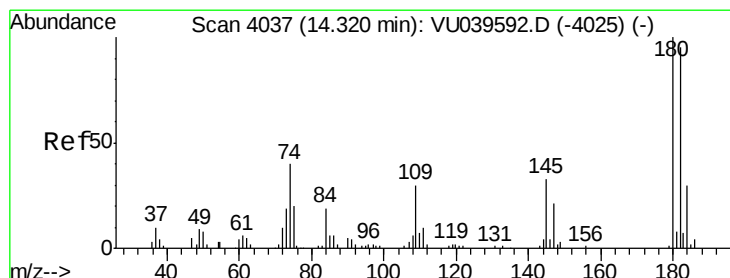
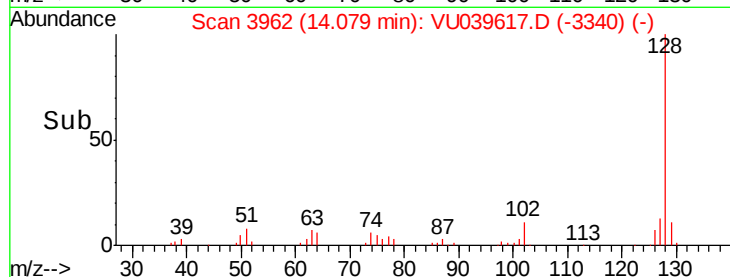
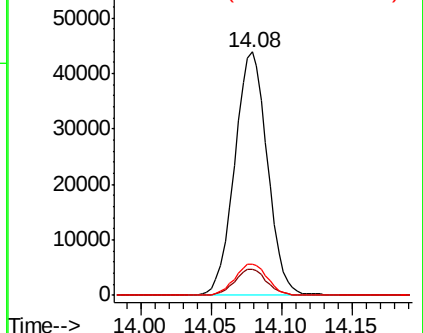
127 12.7 10.6 16.0



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: 5.544 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039617.D

Acq: 21 Jul 2020 23:05

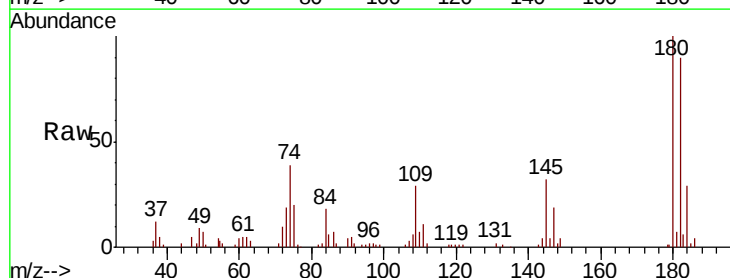
Tgt Ion:180 Resp: 39912

Ion Ratio Lower Upper

180 100

182 93.1 78.0 117.0

145 31.5 28.4 42.6



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

