

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
 Data File : VU039875.D
 Acq On : 14 Aug 2020 22:33
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 17 07:41:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71332	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71053	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18143	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	18639	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	40788	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	4.66	46	82488	48.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	5.08	84	46662	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	25910	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.74	84	77392	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.70	67	27776	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	67335	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	10516	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	60243	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26050	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	30437	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	30826	5.359	ug/L	99
3) Chloromethane	1.52	50	35244	5.826	ug/L	97
5) Vinyl chloride	1.61	62	34524	5.953	ug/L	99
6) Bromomethane	1.86	94	18536	5.050	ug/L	98
8) Chloroethane	1.94	64	20268	4.766	ug/L	94
9) Trichlorofluoromethane	2.15	101	48799	5.410	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	27223	5.562	ug/L	94
12) 1,1-Dichloroethene	2.59	96	24990	5.873	ug/L	90
13) Acetone	2.66	43	47898	47.958	ug/L	97
14) Carbon disulfide	2.80	76	84707	6.367	ug/L	97
15) Methyl Acetate	2.97	43	13505	5.483	ug/L	98
16) Methylene chloride	3.06	84	35277	5.142	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	62439	5.526	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	26075	5.504	ug/L	97
19) 1,1-Dichloroethane	3.89	63	47955	5.483	ug/L	98
21) 2-Butanone	4.74	43	82823	52.622	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	26596	5.162	ug/L	94

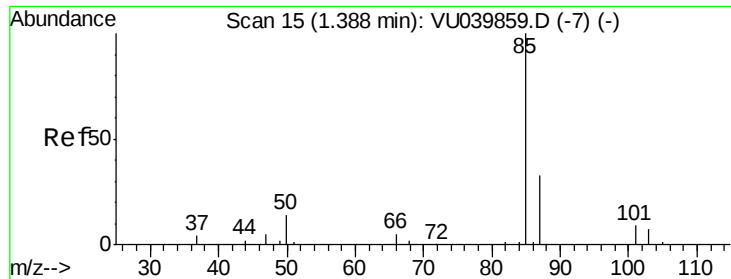
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	13415	5.543	ug/L	96
25) Chloroform	5.11	83	49185	5.232	ug/L	91
27) 1,2-Dichloroethane	5.81	62	33833	5.222	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	42582	5.373	ug/L	97
30) Cyclohexane	5.40	56	41269	5.411	ug/L	96
31) Carbon tetrachloride	5.54	117	39176	5.387	ug/L	99
33) Benzene	5.79	78	107293	5.542	ug/L	100
34) Trichloroethene	6.55	95	28159	5.601	ug/L	91
35) Methylcyclohexane	6.78	83	41966	5.230	ug/L	92
37) 1,2-Dichloropropane	6.80	63	28257	5.495	ug/L #	97
38) Bromodichloromethane	7.12	83	35515	5.279	ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	37458	5.342	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	203563	52.978	ug/L	99
42) Toluene	7.98	91	108509	5.334	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	33787	5.348	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	20195	5.222	ug/L	94
47) Tetrachloroethene	8.56	164	20788	5.012	ug/L	94
48) 2-Hexanone	8.69	43	147589	53.191	ug/L	98
49) Dibromochloromethane	8.82	129	24381	5.137	ug/L	98
50) 1,2-Dibromoethane	8.93	107	19450	5.128	ug/L	94
51) Chlorobenzene	9.45	112	69979	5.119	ug/L	97
52) Ethylbenzene	9.57	91	114405	5.025	ug/L	99
53) m,p-Xylene	9.69	106	44797	5.166	ug/L	90
54) o-Xylene	10.10	106	43825	5.162	ug/L	90
55) Styrene	10.11	104	76540	5.353	ug/L	97
56) Isopropylbenzene	10.48	105	113669	5.009	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	25866	4.861	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	18886	5.092	ug/L	99
61) Bromoform	10.29	173	13661	5.402	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	58656	5.355	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	59570	5.159	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	56002	5.189	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4466	5.474	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	43867	5.284	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	37074	5.329	ug/L	97
69) Naphthalene	14.08	128	62405	5.017	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	34417	5.514	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.359 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

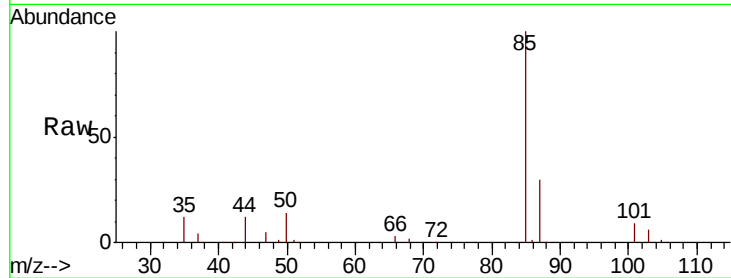
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 30826

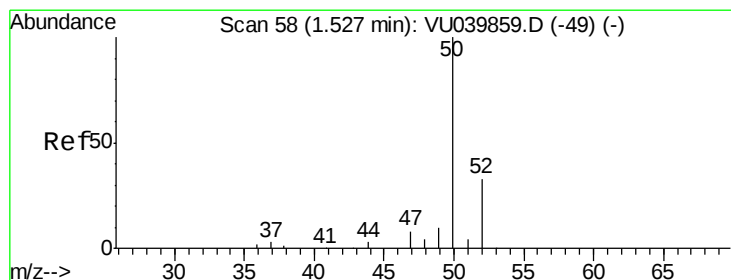
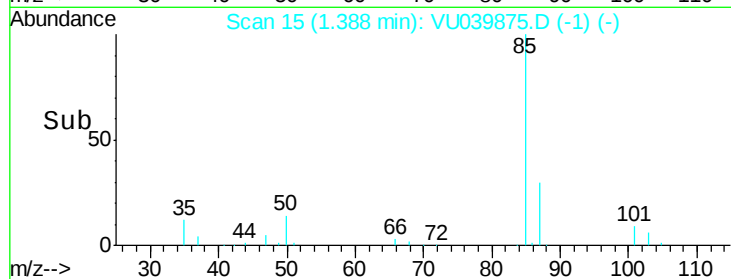
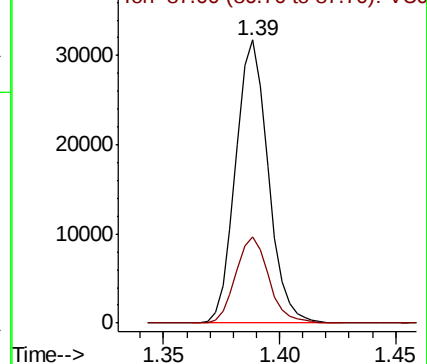
Ion Ratio Lower Upper

85 100

87 30.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.826 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU039875.D

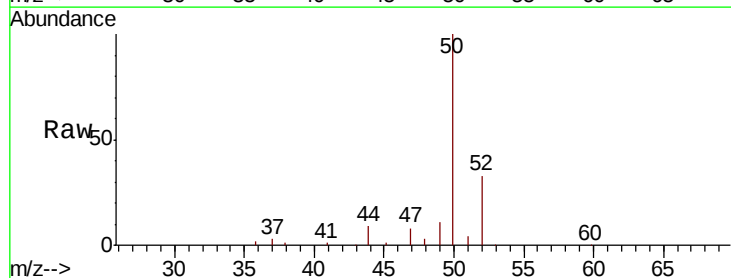
Acq: 14 Aug 2020 22:33

Tgt Ion: 50 Resp: 35244

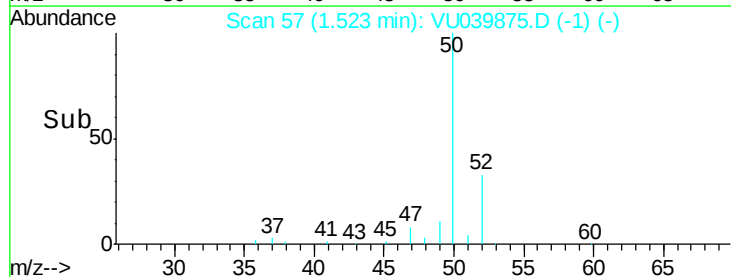
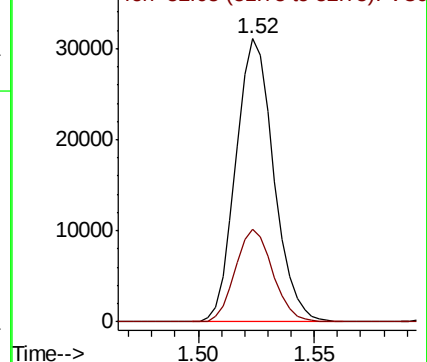
Ion Ratio Lower Upper

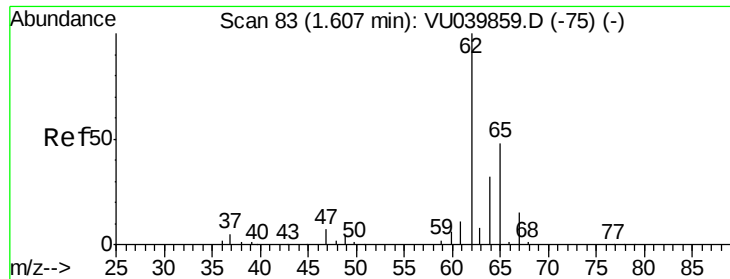
50 100

52 32.5 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.953 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

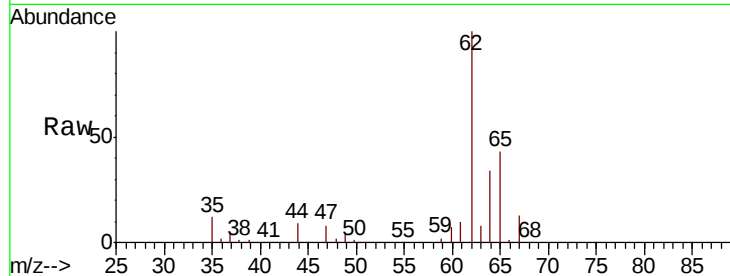
ClientSampleId :

Tot Ion: 62 Resp: 34524

Ion Ratio Lower Upper

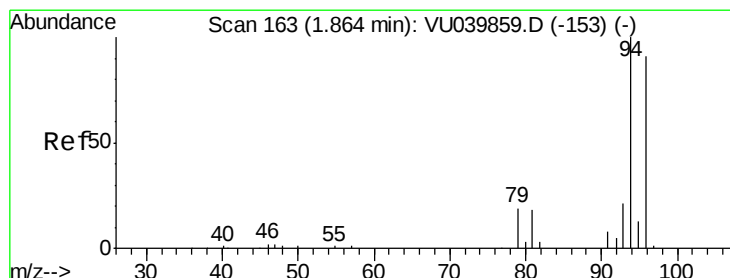
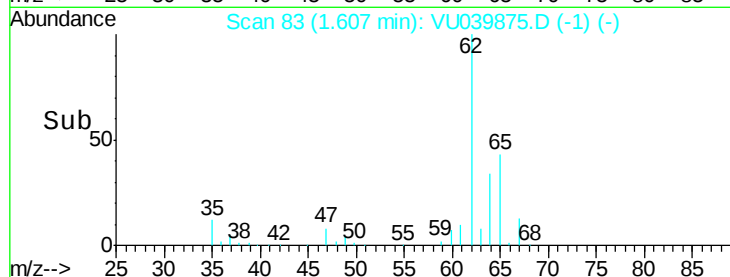
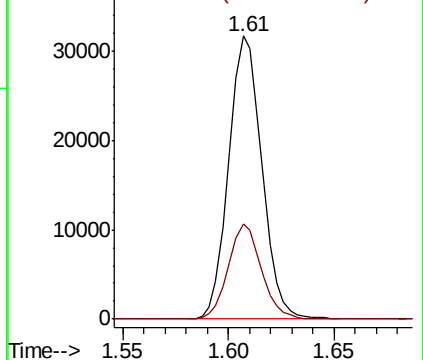
62 100

64 33.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.050 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039875.D

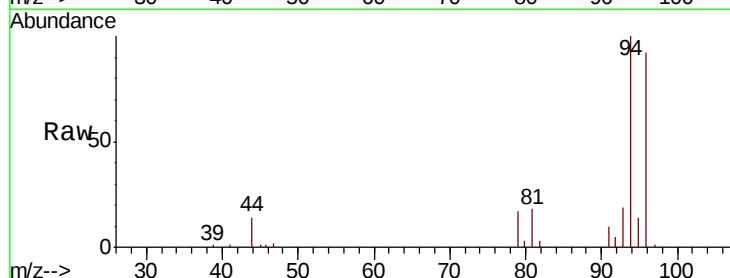
Acq: 14 Aug 2020 22:33

Tgt Ion: 94 Resp: 18536

Ion Ratio Lower Upper

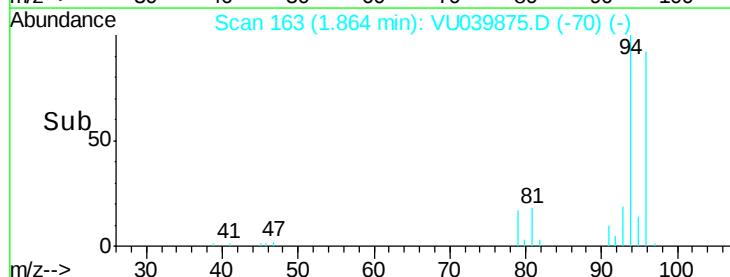
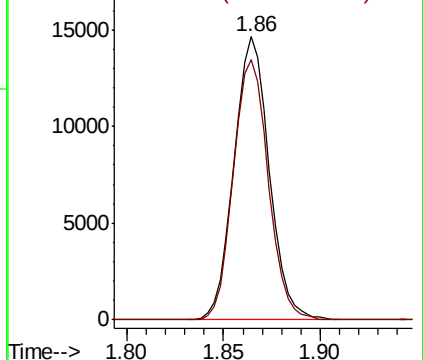
94 100

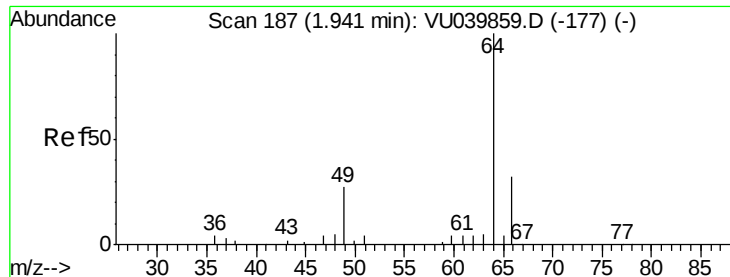
96 92.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.766 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

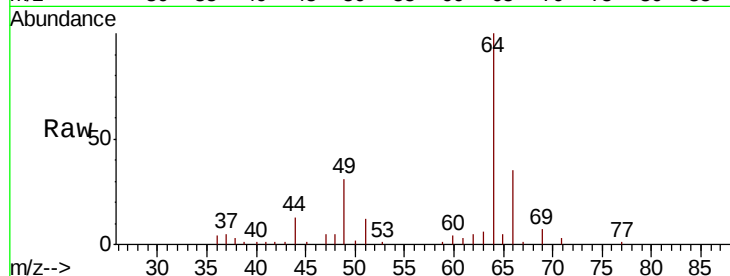
ClientSampleId :

Tot Ion: 64 Resp: 20268

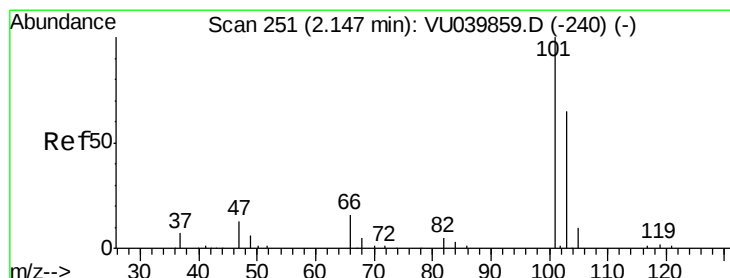
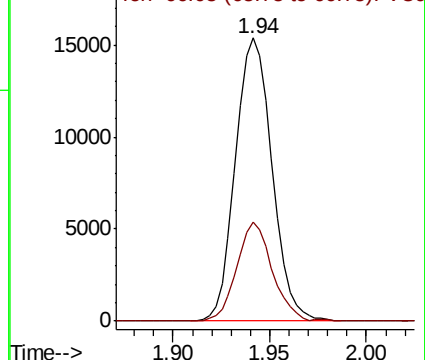
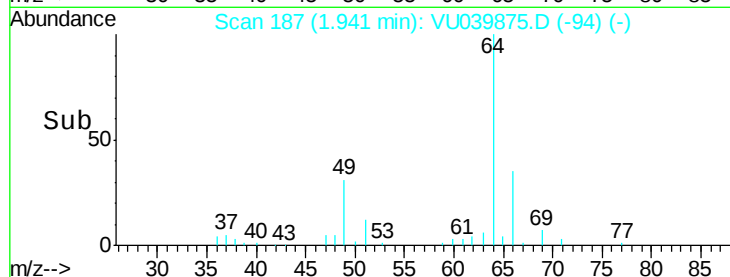
Ion Ratio Lower Upper

64 100

66 34.9 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039875.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 5.410 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039875.D

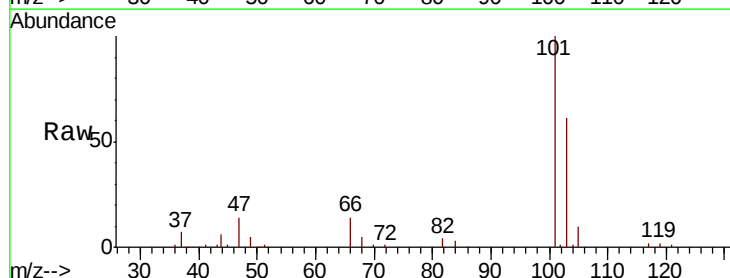
Acq: 14 Aug 2020 22:33

Tgt Ion:101 Resp: 48799

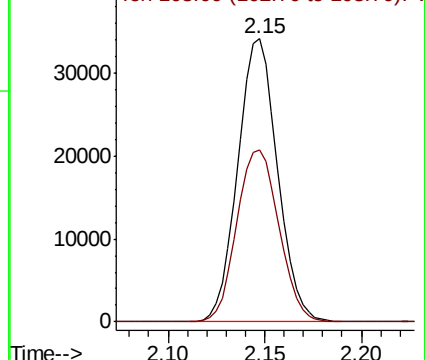
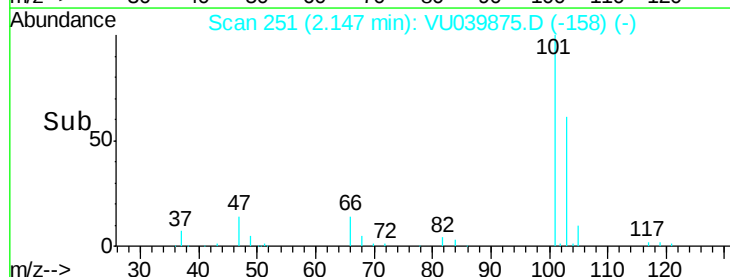
Ion Ratio Lower Upper

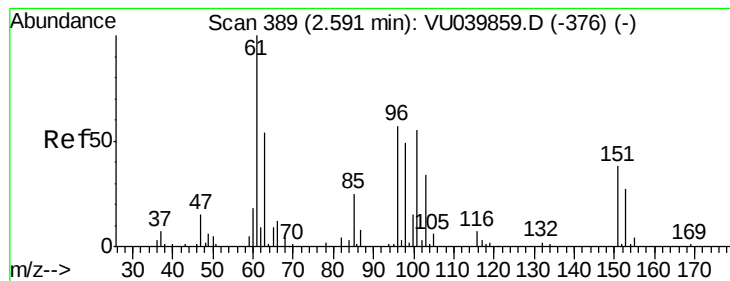
101 100

103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039875.D (-158) (-)





#10

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

Concen: 5.562 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampled :

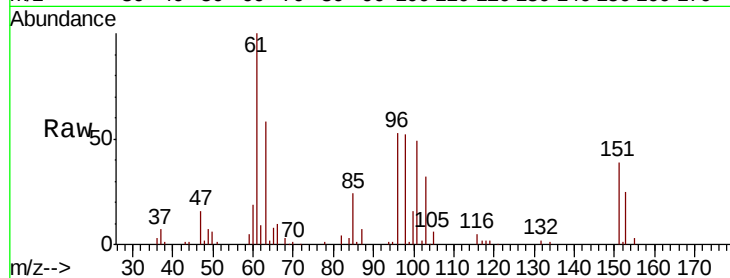
Tot Ion:101 Resp: 27223

Ion Ratio Lower Upper

101 100

85 44.7 37.9 56.9

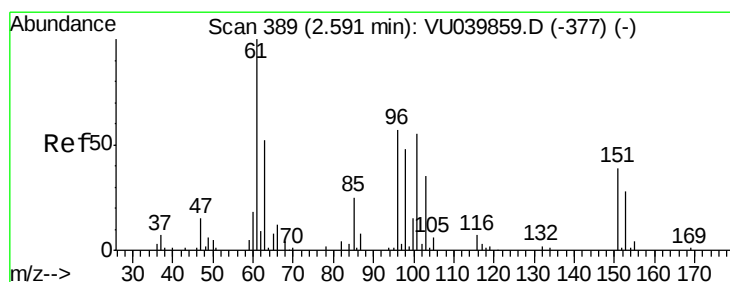
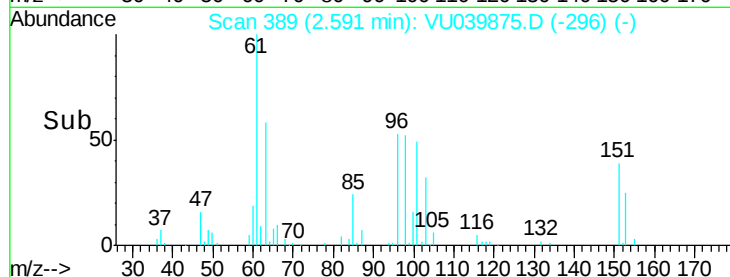
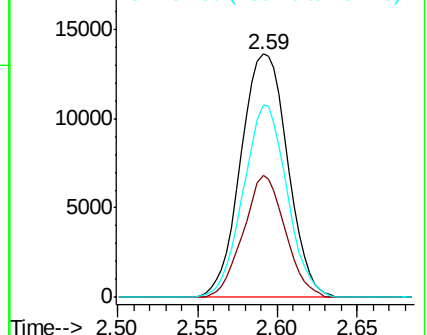
151 73.9 54.7 82.1



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: 5.873 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

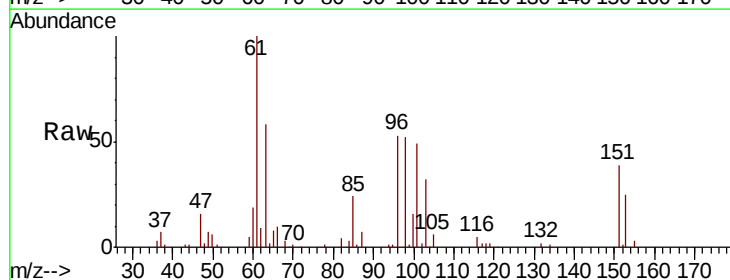
Tgt Ion: 96 Resp: 24990

Ion Ratio Lower Upper

96 100

61 189.6 121.7 225.9

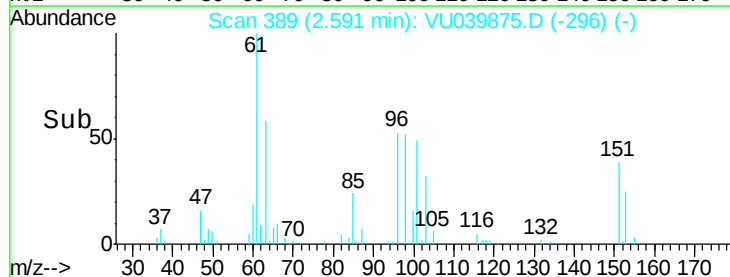
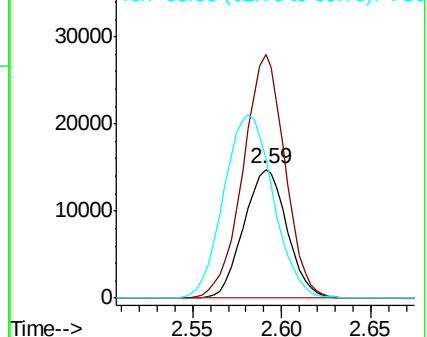
63 109.2 82.1 152.5

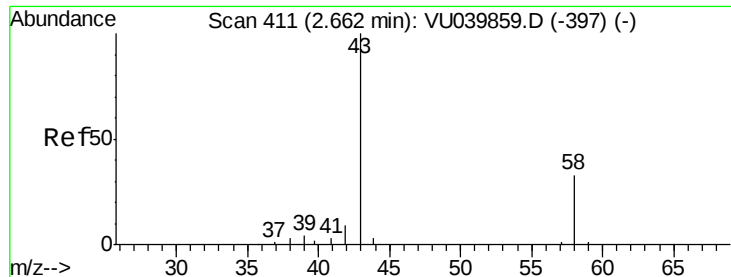


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.958 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

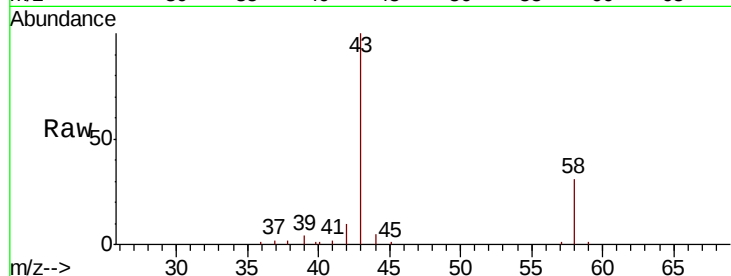
ClientSampleId :

Tot Ion: 43 Resp: 47898

Ion Ratio Lower Upper

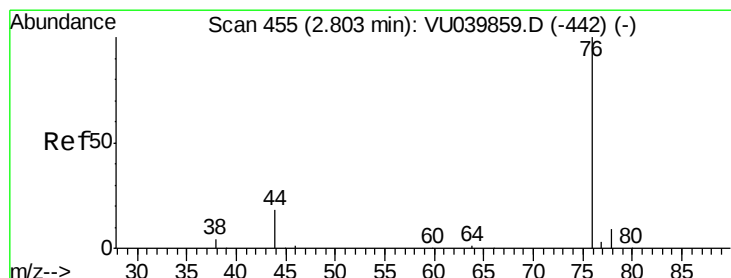
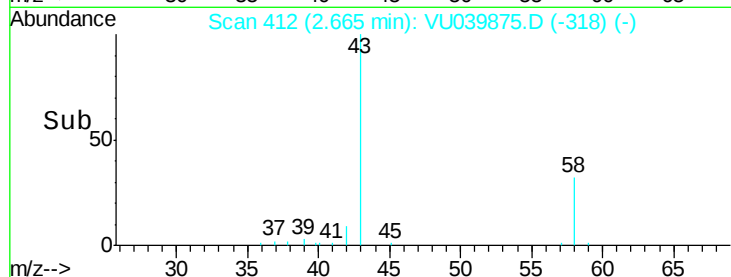
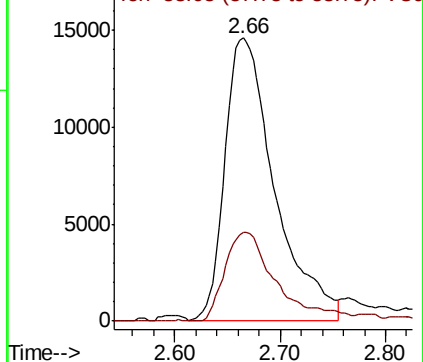
43 100

58 32.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039875.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039875.D (-318) (-)



#14

Carbon disulfide

Concen: 6.367 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039875.D

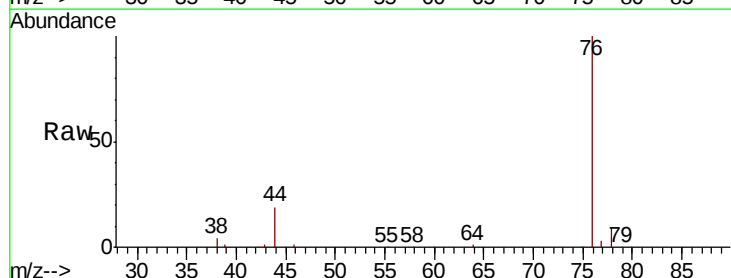
Acq: 14 Aug 2020 22:33

Tgt Ion: 76 Resp: 84707

Ion Ratio Lower Upper

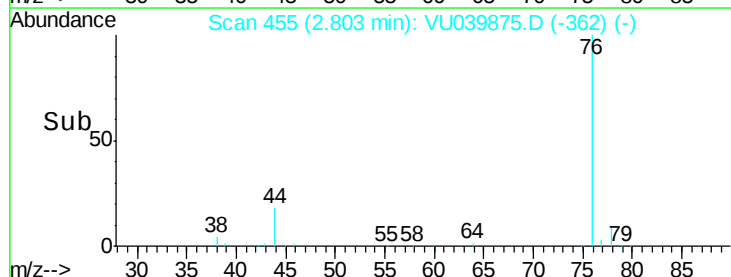
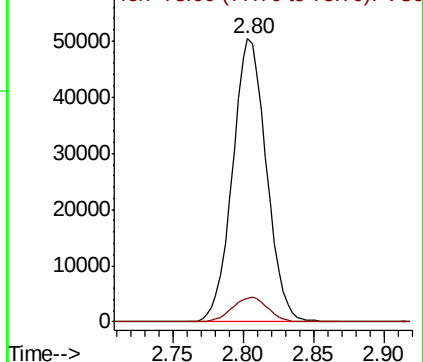
76 100

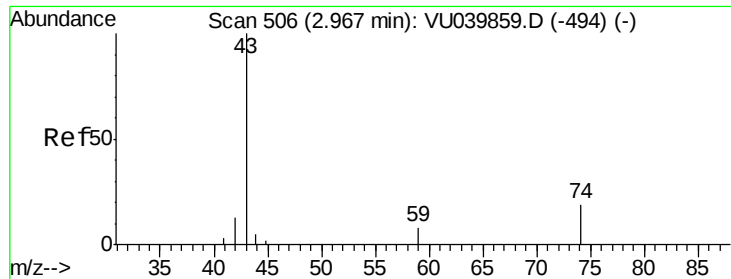
78 8.5 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039875.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU039875.D (-362) (-)

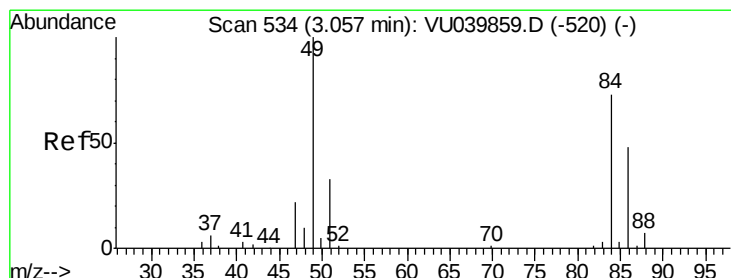
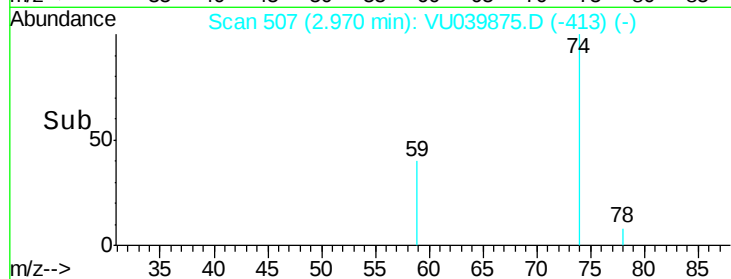
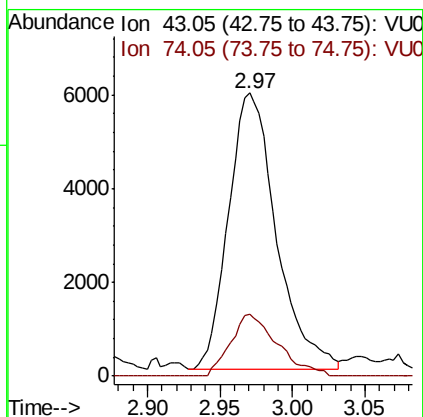
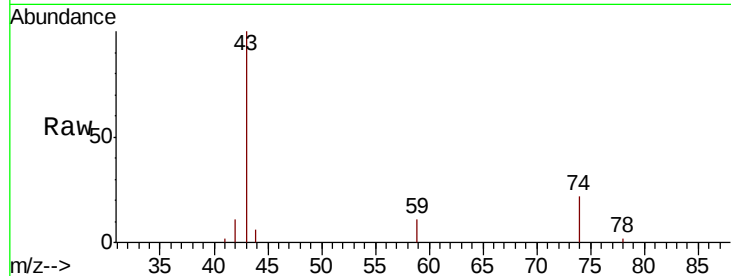




#15
Methvl Acetate
Concen: 5.483 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

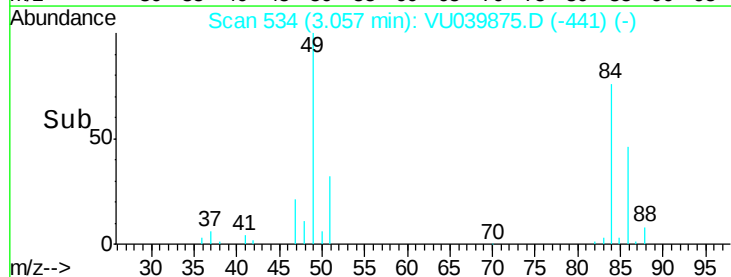
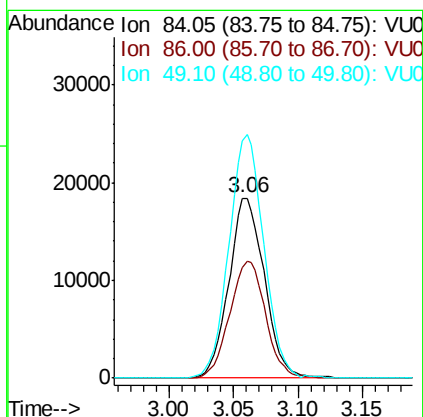
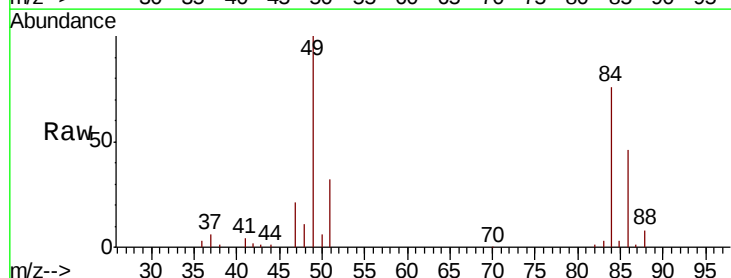
Instrument :
MSVOA_U
ClientSampleId :

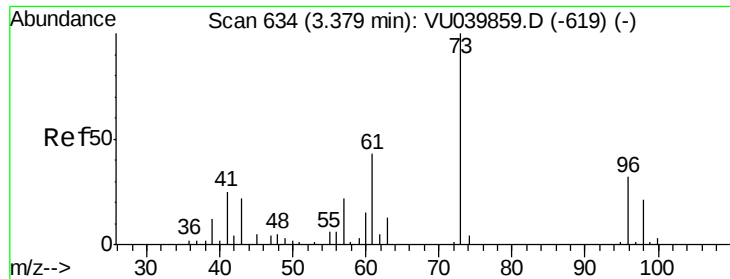
Tot Ion: 43 Resp: 13505
Ion Ratio Lower Upper
43 100
74 21.9 16.6 25.0



#16
Methylene chloride
Concen: 5.142 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Tgt Ion: 84 Resp: 35277
Ion Ratio Lower Upper
84 100
86 61.2 43.9 81.5
49 132.3 94.4 175.4

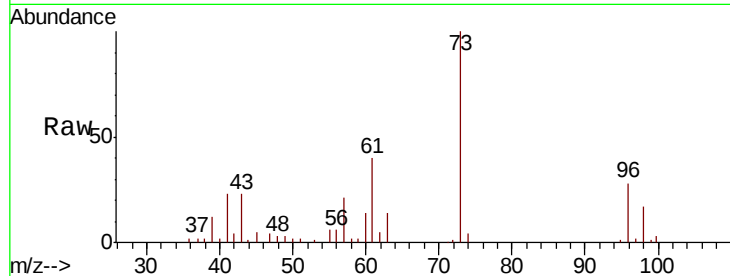




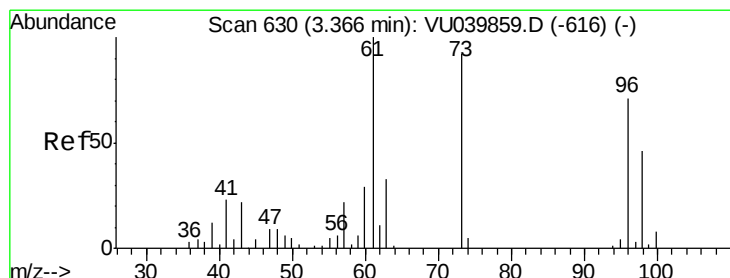
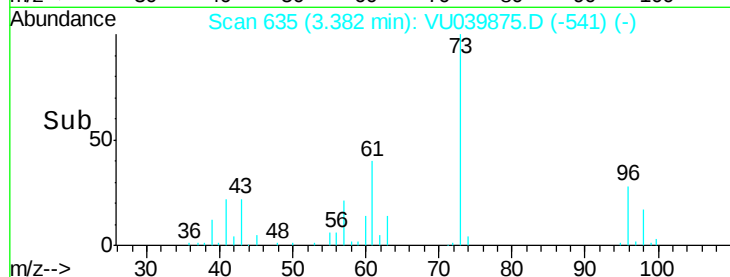
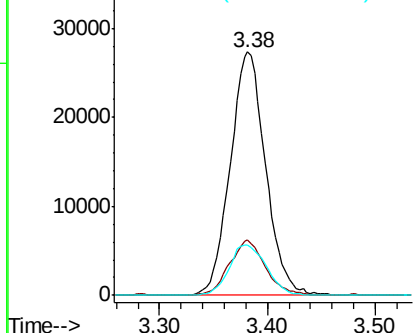
#17
Methvl tert-butvl Ether
Concen: 5.526 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 62439
Ion Ratio Lower Upper
73 100
43 23.1 18.2 27.4
57 21.9 17.8 26.8

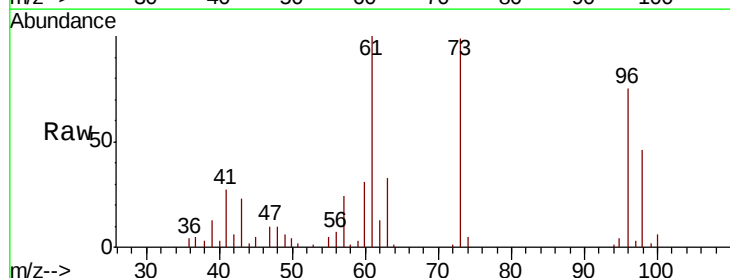


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

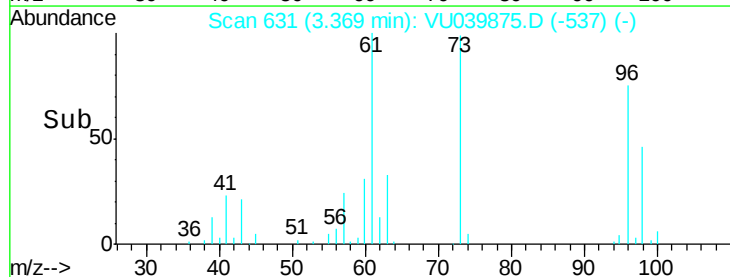
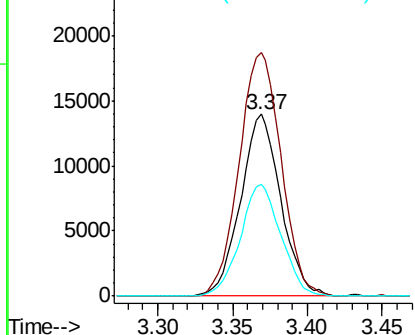


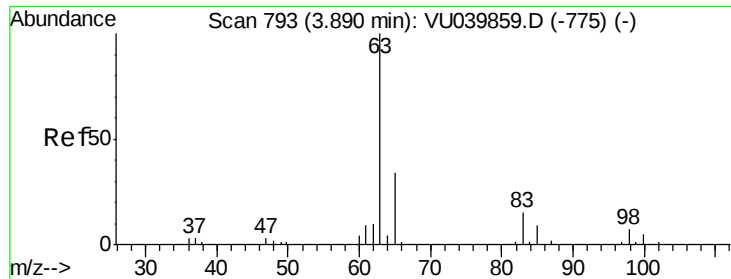
#18
trans-1,2-Dichloroethene
Concen: 5.504 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Tgt Ion: 96 Resp: 26075
Ion Ratio Lower Upper
96 100
61 134.1 96.5 179.1
98 61.6 40.9 76.0



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

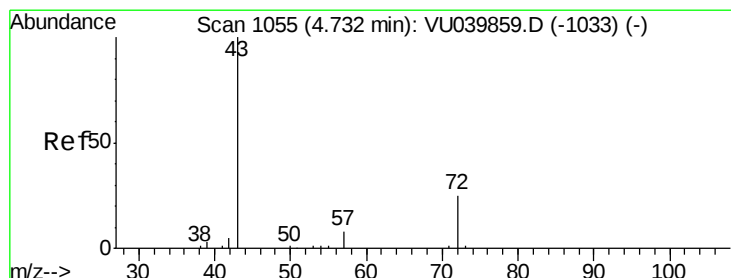
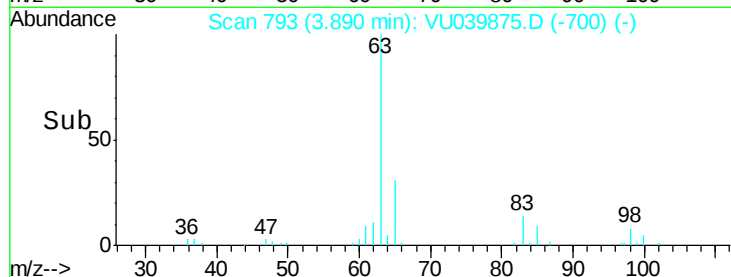
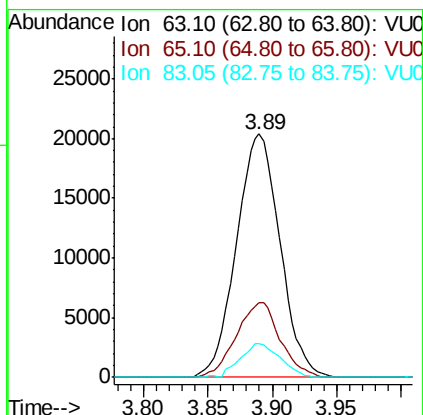
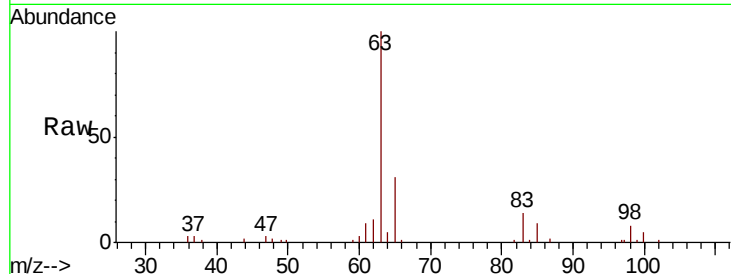




#19
 1,1-Dichloroethane
 Concen: 5.483 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

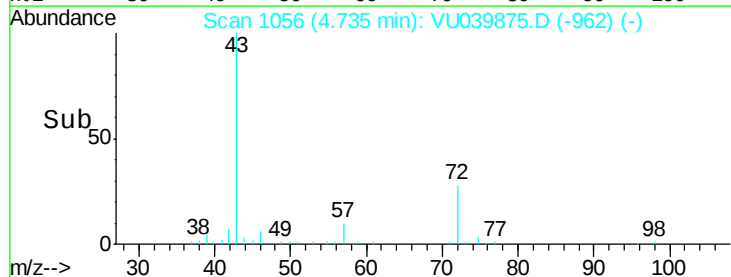
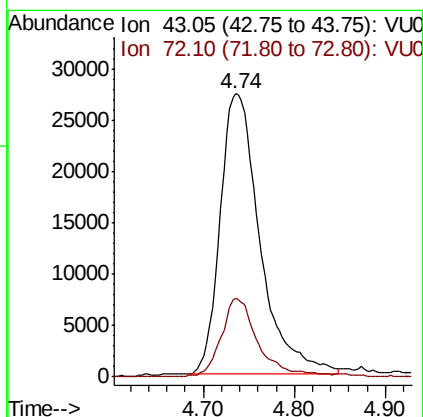
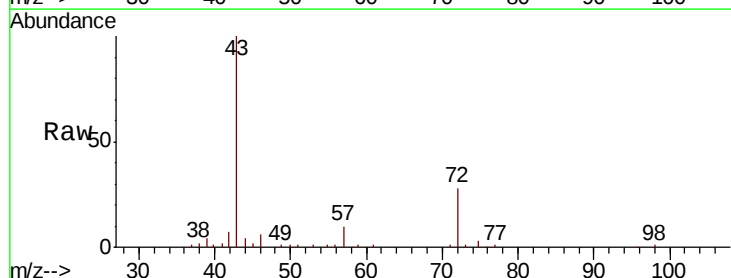
Instrument :
 MSVOA_U
 ClientSampled :

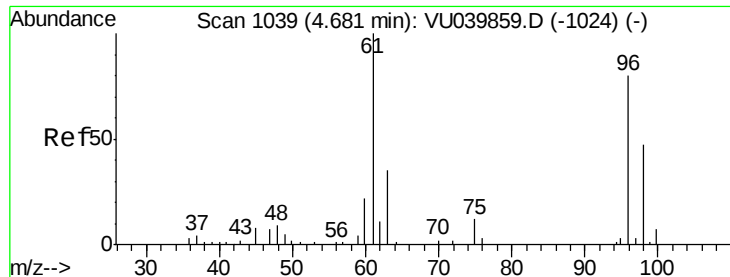
Tot Ion: 63 Resp: 47955
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 41.0
 83 14.1 10.9 20.2



#21
 2-Butanone
 Concen: 52.622 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 43 Resp: 82823
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.0 39.0

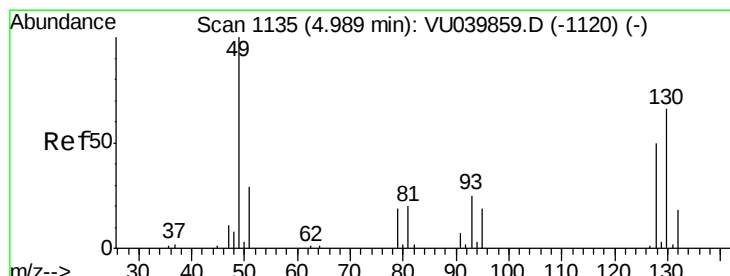
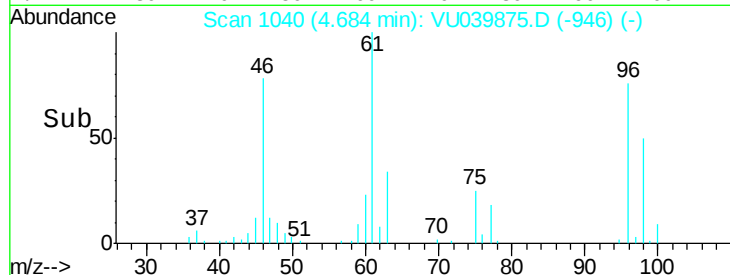
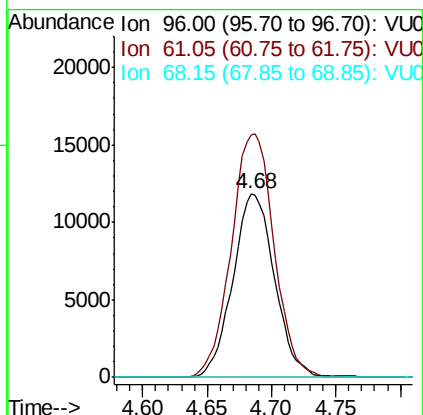
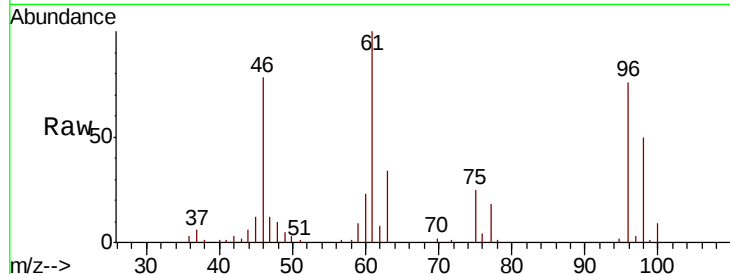




#22
 cis-1,2-Dichloroethene
 Concen: 5.162 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

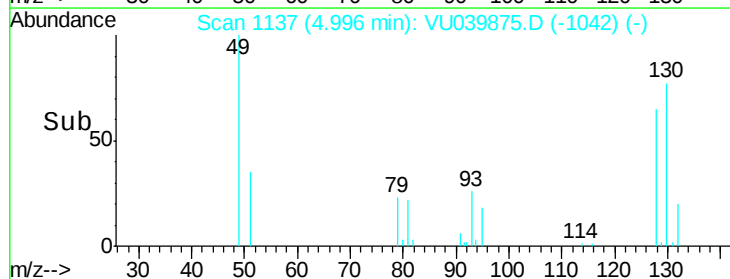
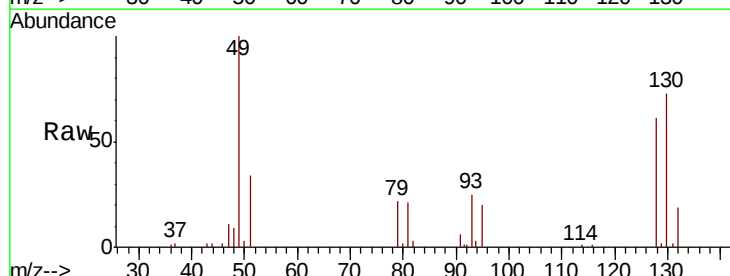
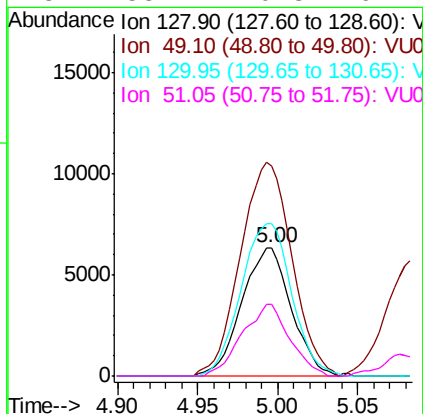
Instrument :
 MSVOA_U
 ClientSampled :

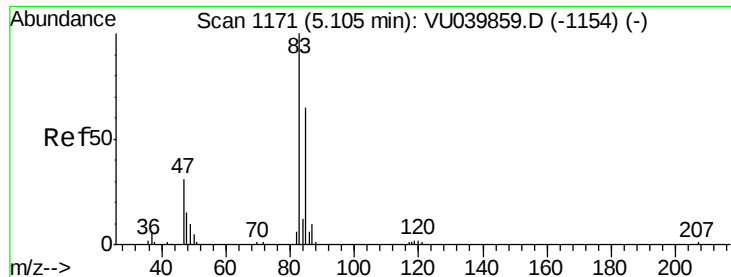
Tot Ion: 96 Resp: 26596
 Ion Ratio Lower Upper
 96 100
 61 131.6 87.4 162.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.543 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 128 Resp: 13415
 Ion Ratio Lower Upper
 128 100
 49 163.4 110.3 204.9
 130 118.9 82.0 152.4
 51 55.7 40.8 61.2





#25

Chloroform

Concen: 5.232 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

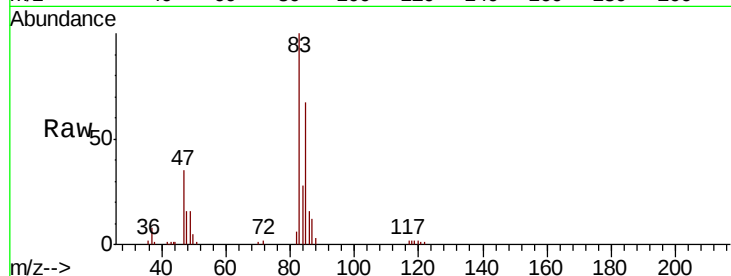
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 49185

Ion Ratio Lower Upper

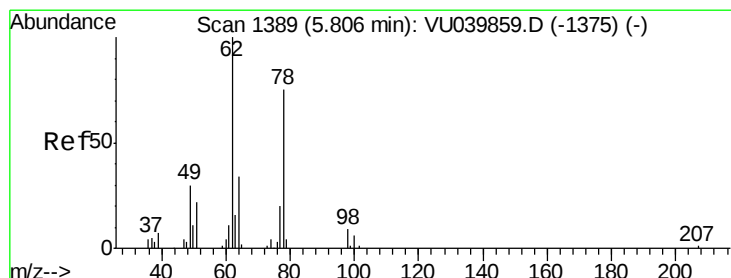
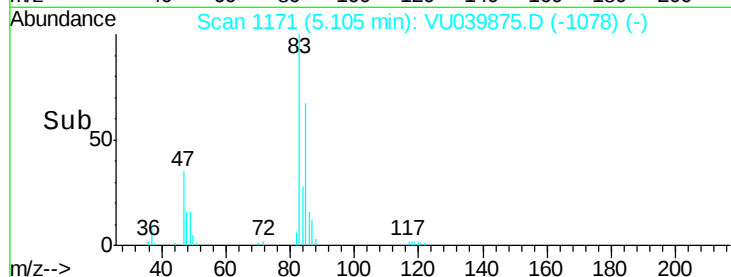
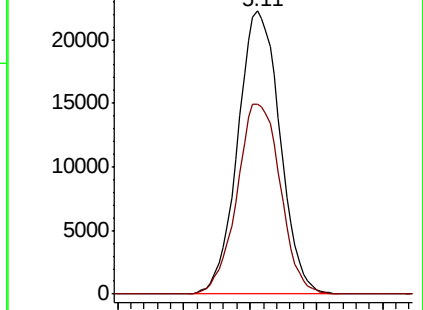
83 100

85 67.3 42.1 78.3



Abundance Ion 83.05 (82.75 to 83.75): VU039875.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU039875.D (-1154) (-)



#27

1,2-Dichloroethane

Concen: 5.222 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU039875.D

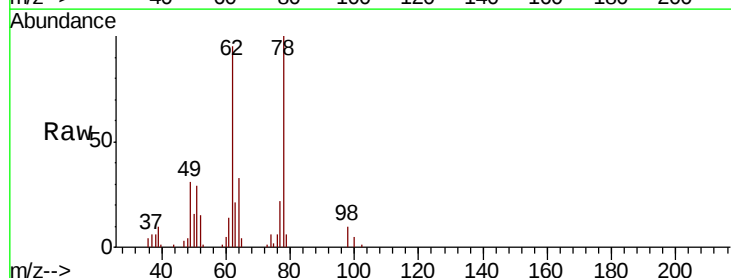
Acq: 14 Aug 2020 22:33

Tgt Ion: 62 Resp: 33833

Ion Ratio Lower Upper

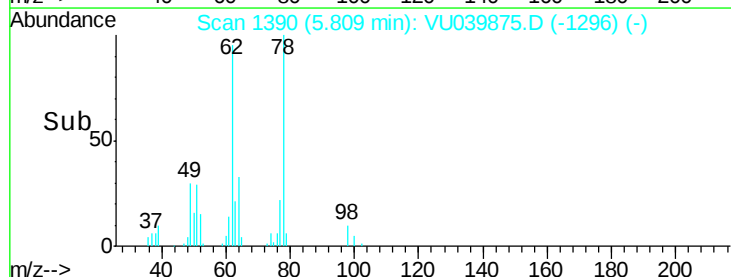
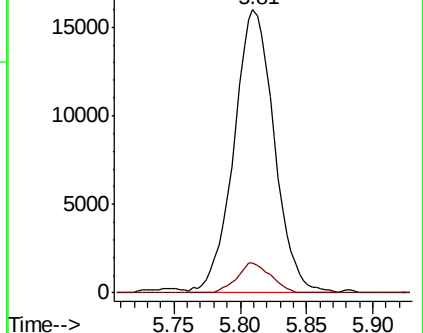
62 100

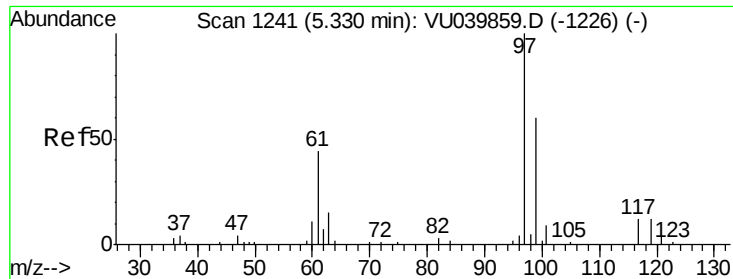
98 10.6 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU039875.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU039875.D (-1375) (-)

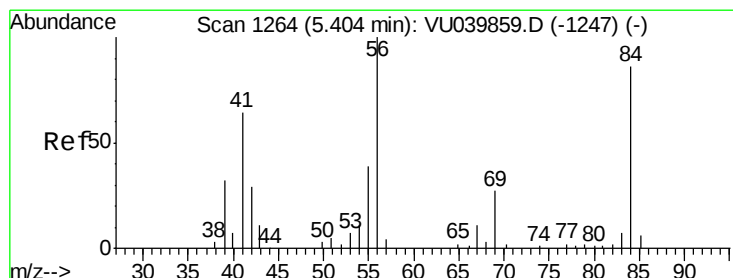
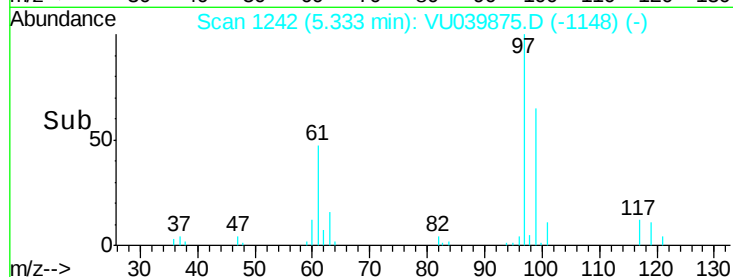
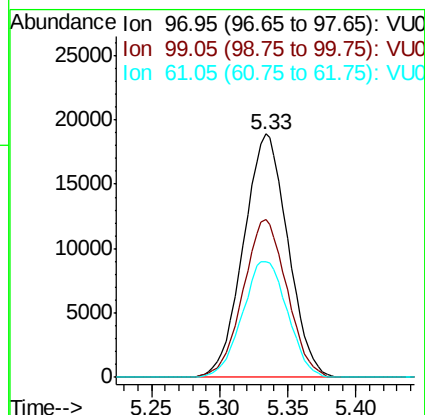
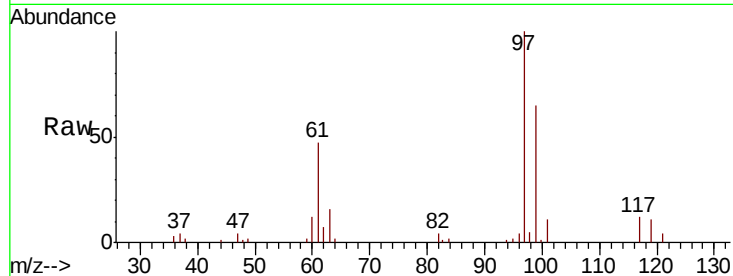




#29
 1,1,1-Trichloroethane
 Concen: 5.373 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

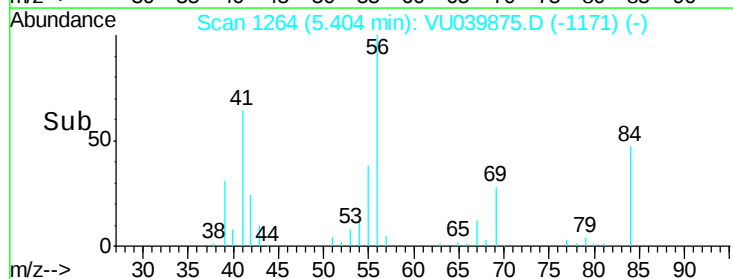
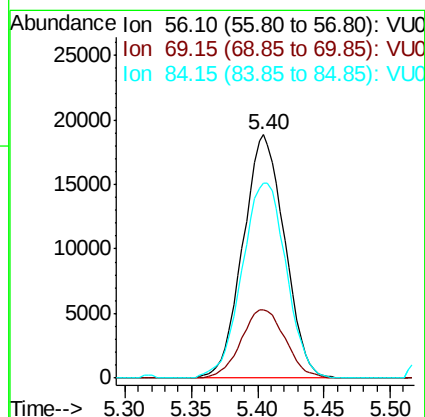
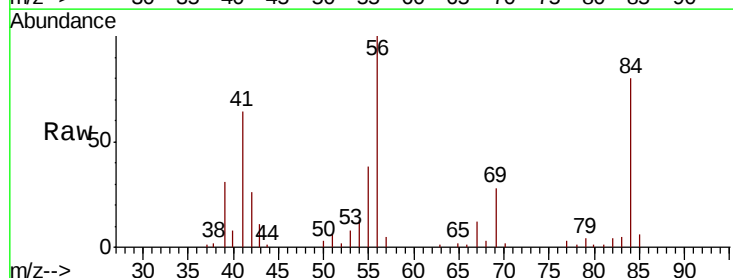
Instrument :
 MSVOA_U
 ClientSampled :

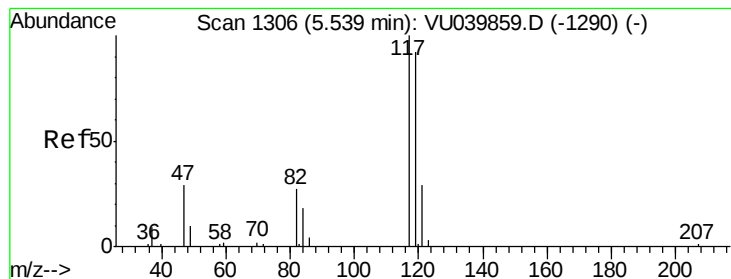
Tot Ion: 97 Resp: 42582
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.8 79.2
 61 48.5 40.5 60.7



#30
 Cyclohexane
 Concen: 5.411 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 56 Resp: 41269
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.4 36.6
 84 85.0 71.3 106.9





#31

Carbon tetrachloride

Concen: 5.387 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

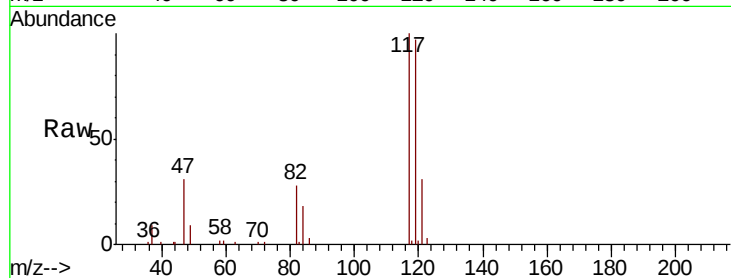
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 39176

Ion Ratio Lower Upper

117 100

119 95.0 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

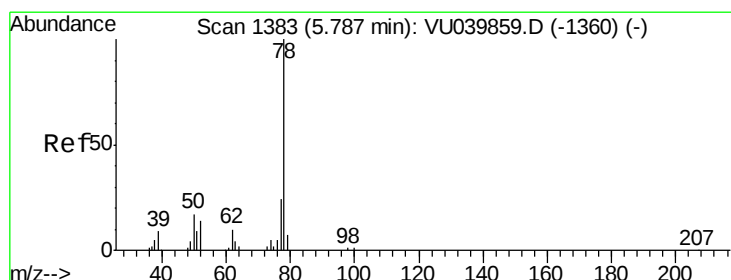
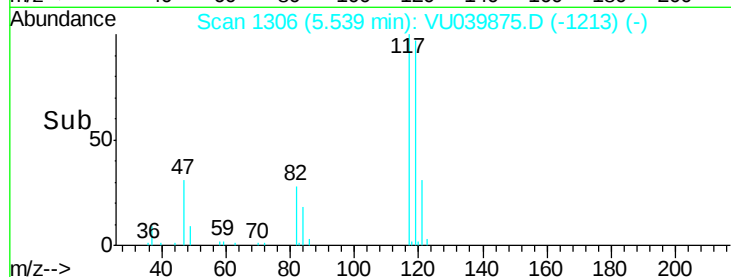
15000

10000

5000

0

Time--> 5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.542 ug/L

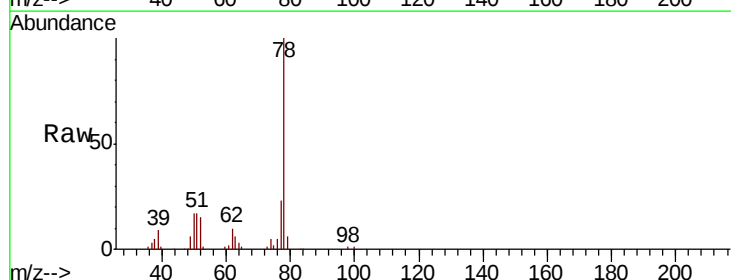
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Tgt Ion: 78 Resp: 107293



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

60000

50000

40000

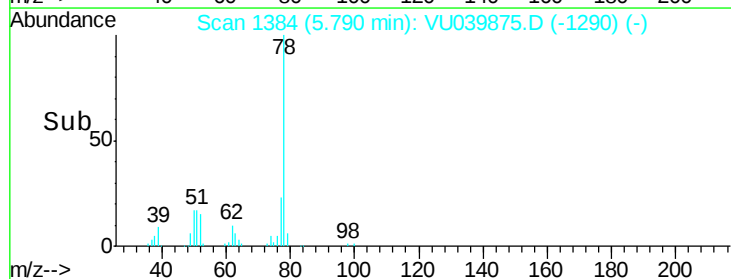
30000

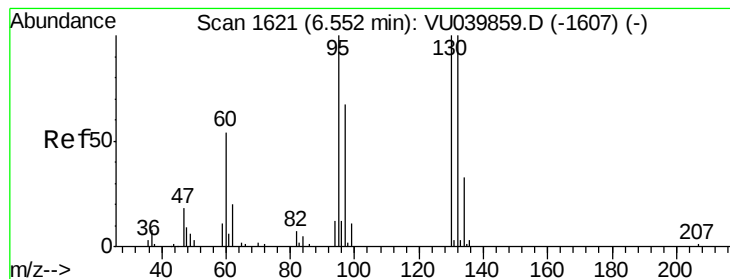
20000

10000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.601 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 28159

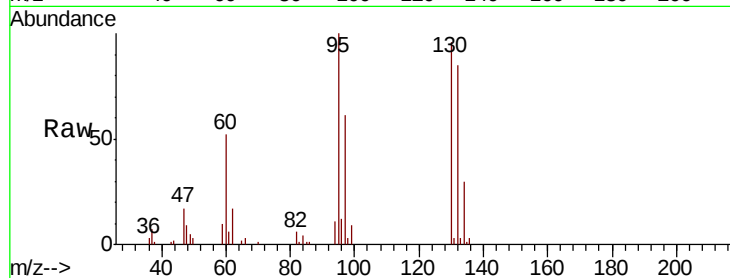
Ion Ratio Lower Upper

95 100

97 61.2 44.0 81.8

132 84.8 71.7 133.3

130 95.8 71.1 132.1

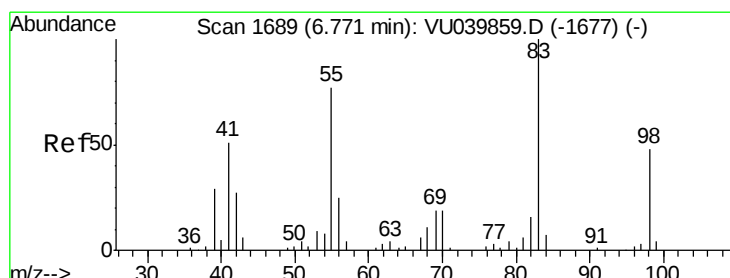
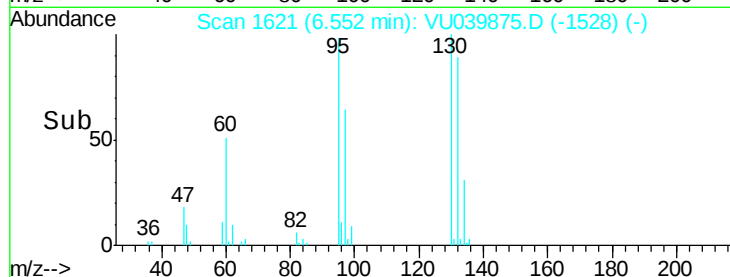
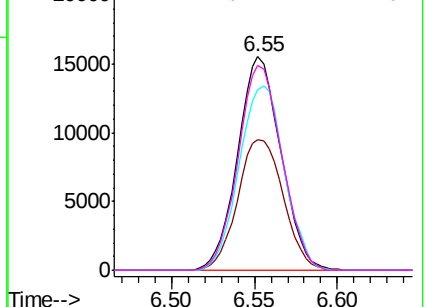


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.230 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

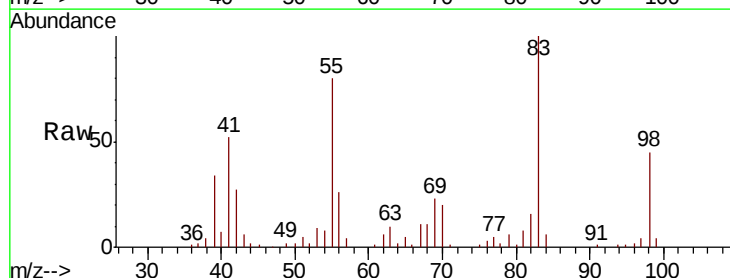
Tgt Ion: 83 Resp: 41966

Ion Ratio Lower Upper

83 100

55 81.5 59.4 89.0

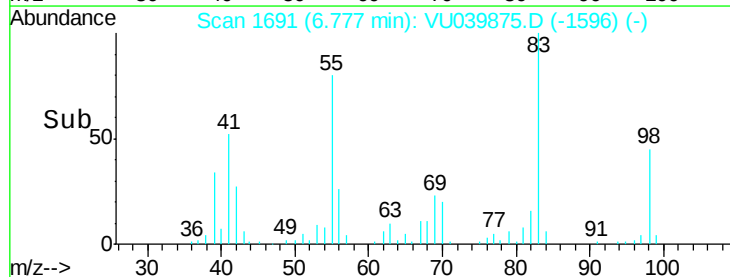
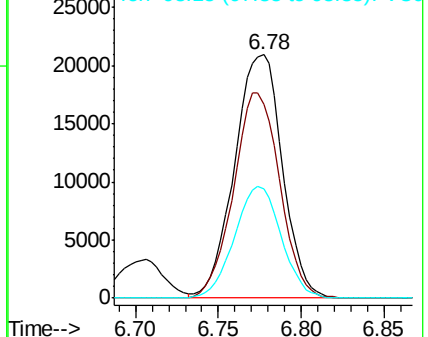
98 44.8 39.0 58.4

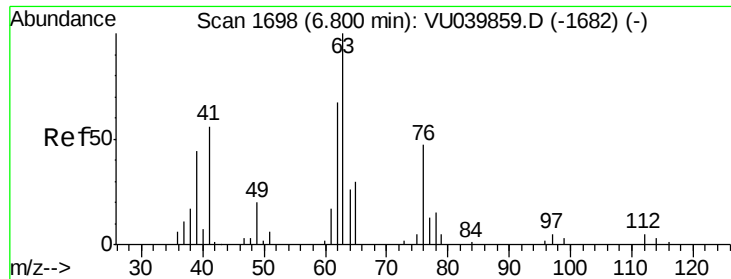


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

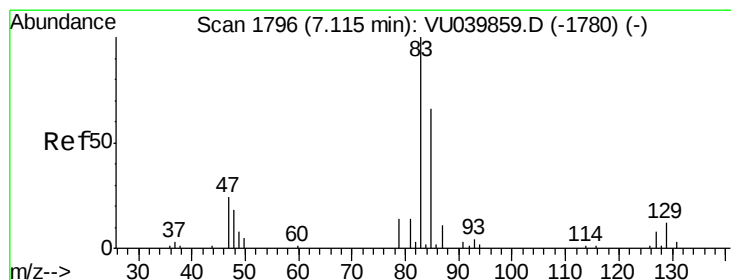
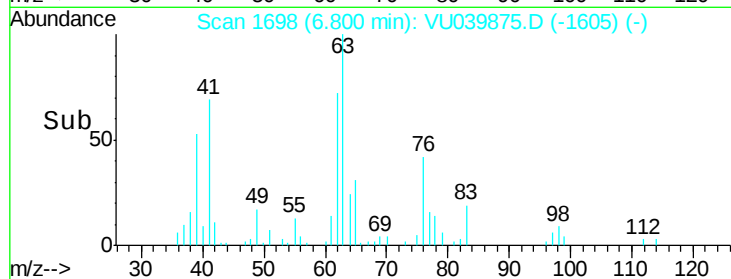
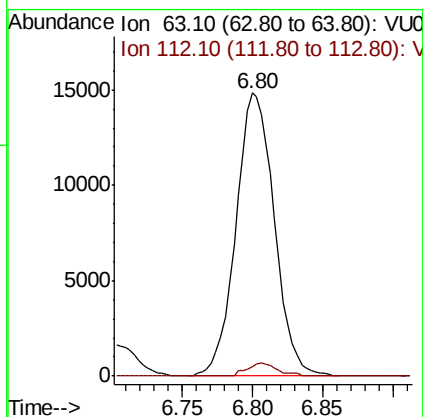
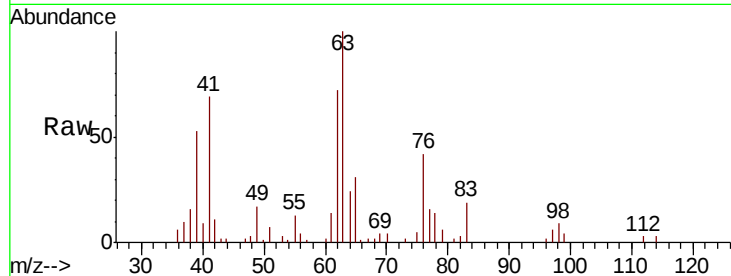




#37
 1,2-Dichloropropane
 Concen: 5.495 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

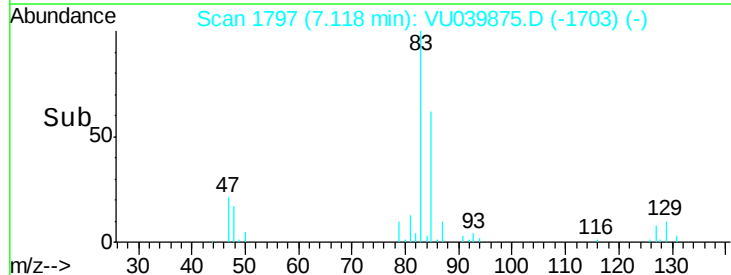
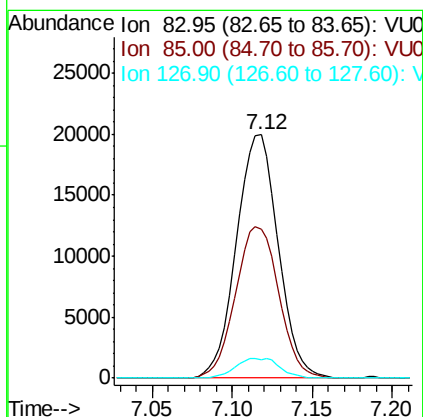
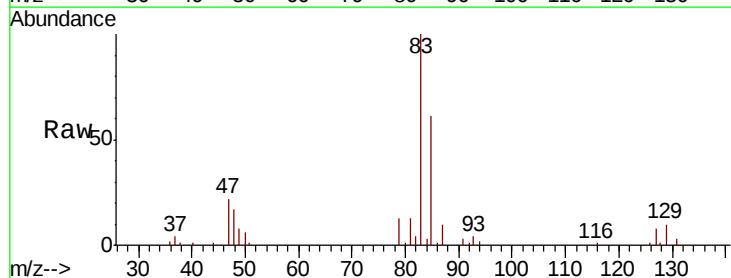
Instrument :
 MSVOA_U
 ClientSampleId :

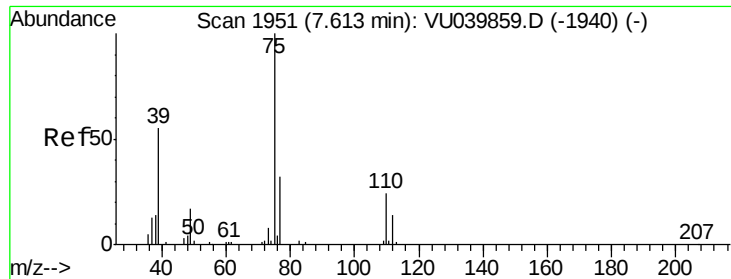
Tot Ion: 63 Resp: 28257
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 5.279 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 83 Resp: 35515
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.3 84.1
 127 7.8 7.5 11.3

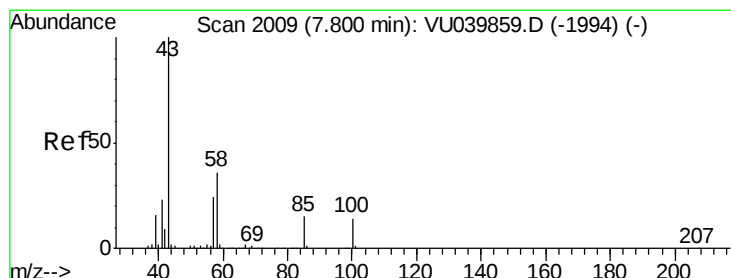
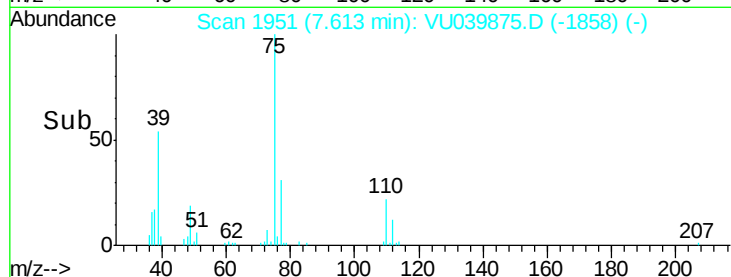
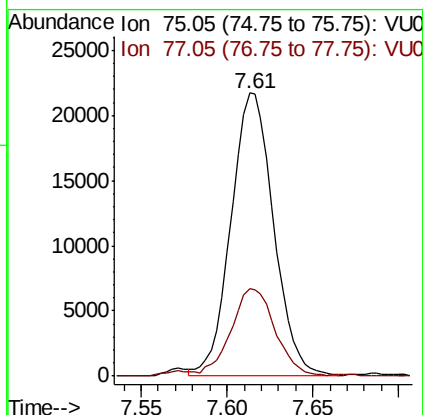
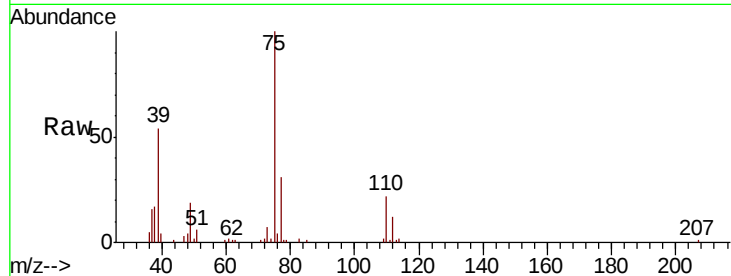




#39
 cis-1,3-Dichloropropene
 Concen: 5.342 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

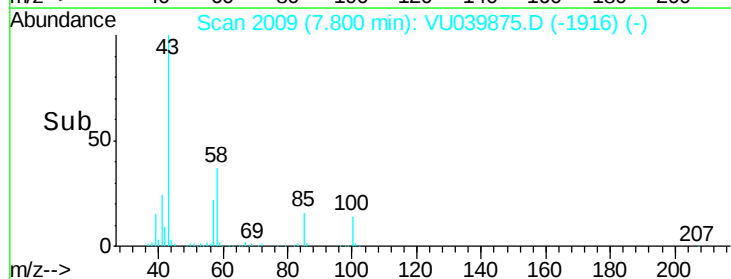
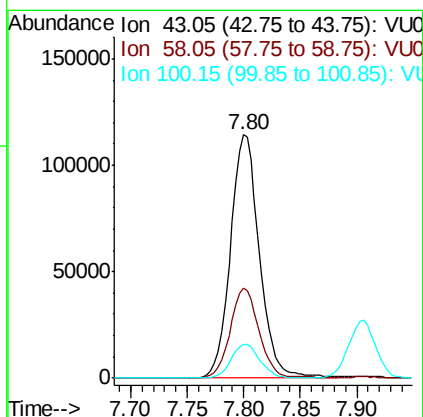
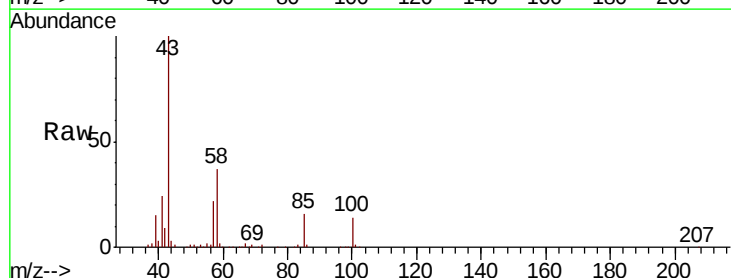
Instrument :
 MSVOA_U
 ClientSampleId :

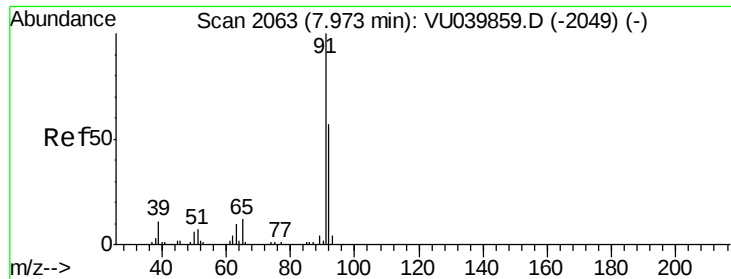
Tot Ion: 75 Resp: 37458
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.978 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 43 Resp: 203563
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.4 44.2
 100 14.0 11.7 17.5





#42

Toluene

Concen: 5.334 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

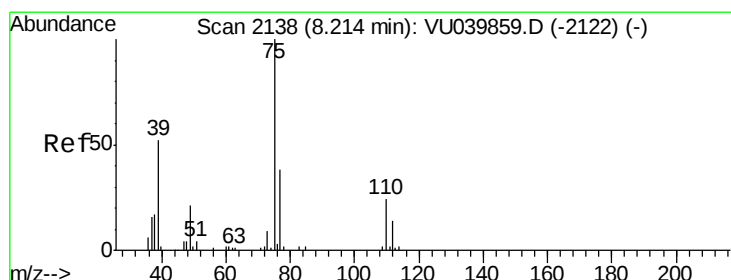
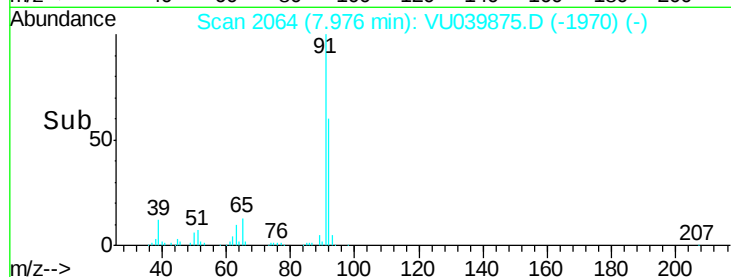
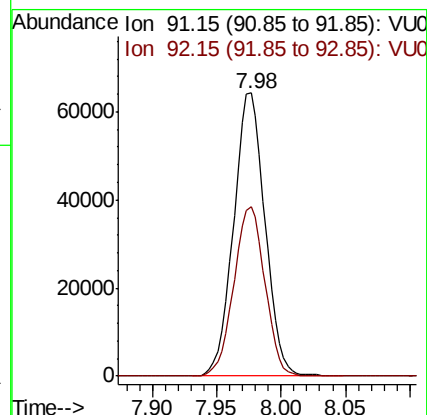
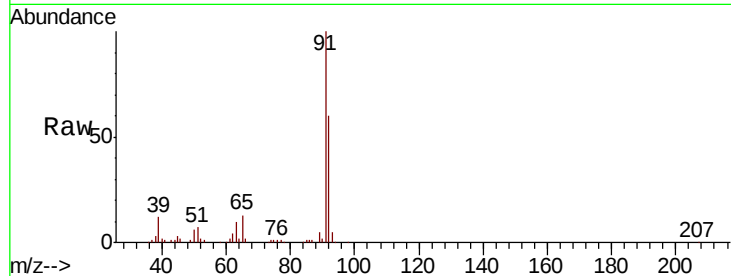
ClientSampleId :

Tot Ion: 91 Resp: 108509

Ion Ratio Lower Upper

91 100

92 60.0 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 5.348 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039875.D

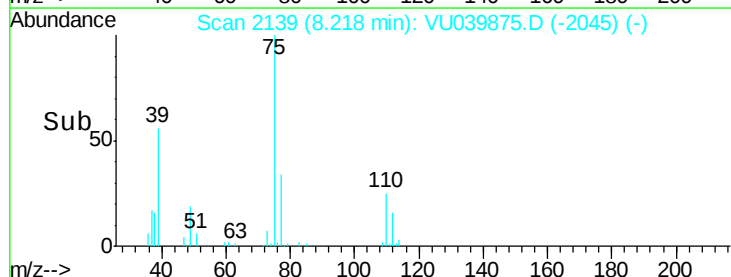
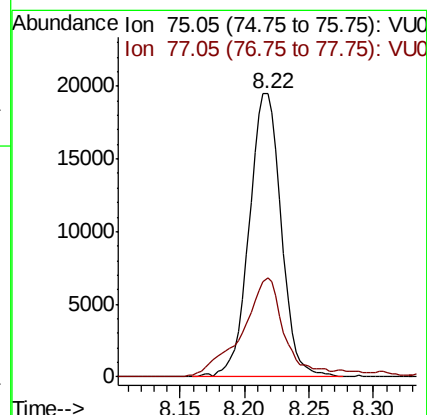
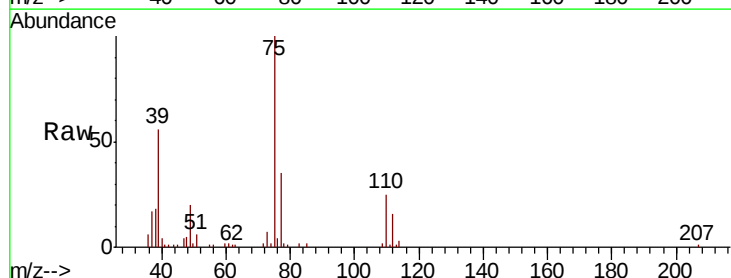
Acq: 14 Aug 2020 22:33

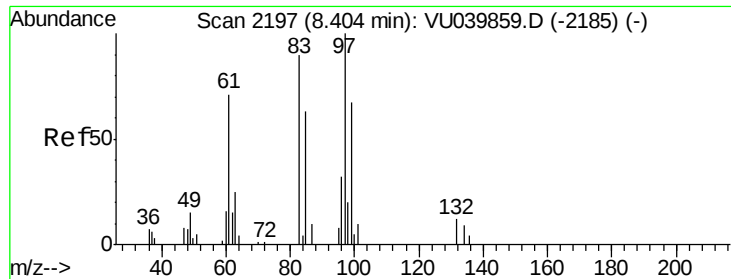
Tgt Ion: 75 Resp: 33787

Ion Ratio Lower Upper

75 100

77 35.0 21.6 40.2

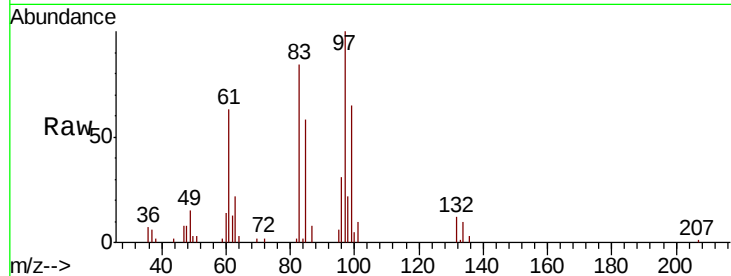




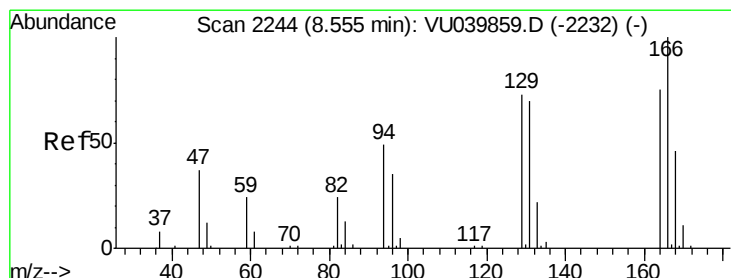
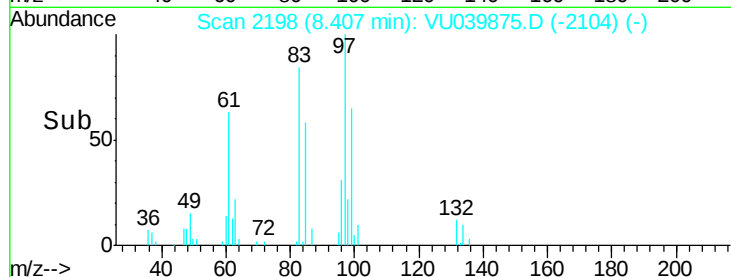
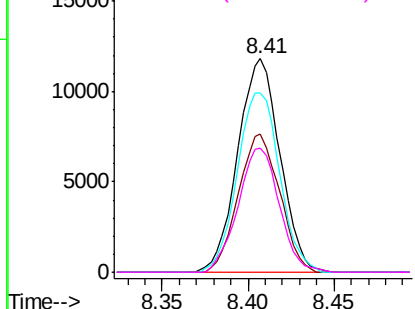
#45
 1,1,2-Trichloroethane
 Concen: 5.222 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	20195
Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.0	78.0
83	84.1	55.2	102.4
85	58.1	37.0	68.6

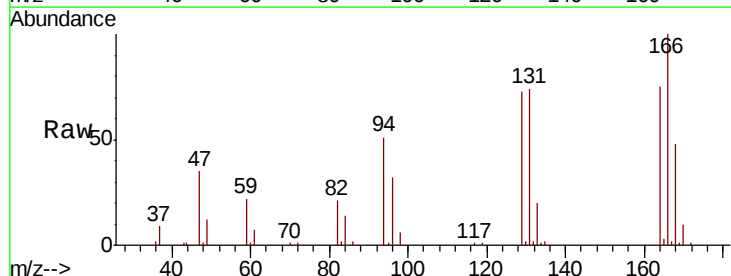


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

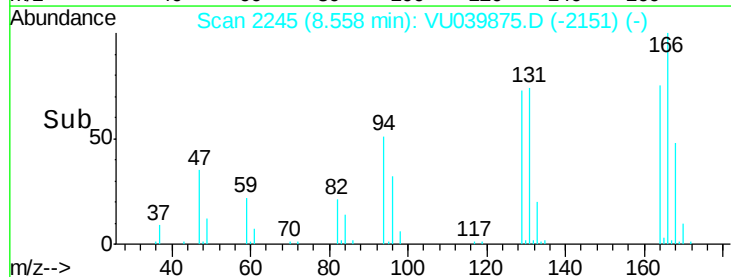
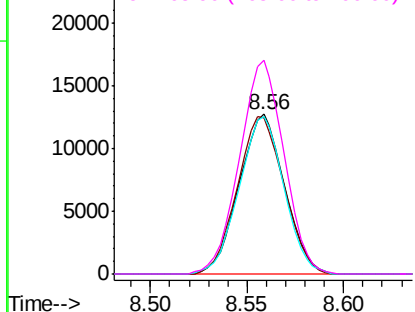


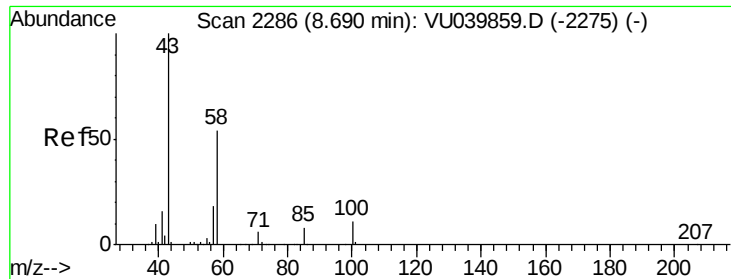
#47
 Tetrachloroethene
 Concen: 5.012 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion:	164	Resp:	20788
Ion	Ratio	Lower	Upper
164	100		
129	98.0	65.9	122.5
131	98.7	68.1	126.5
166	133.6	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

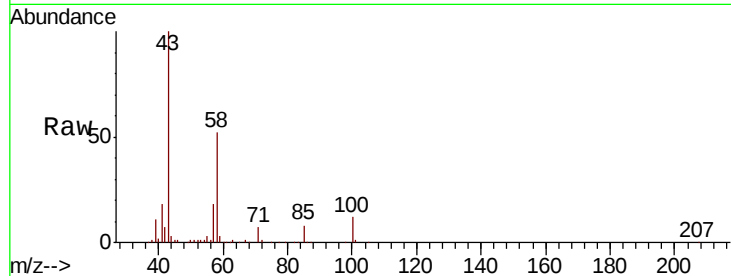




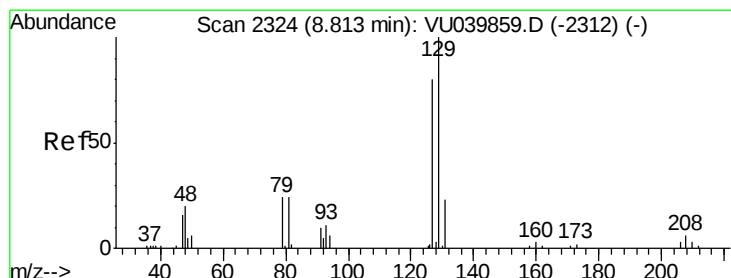
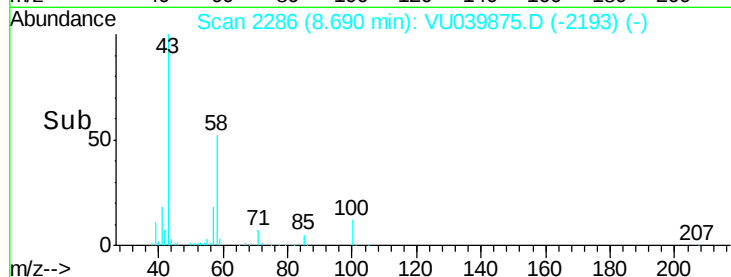
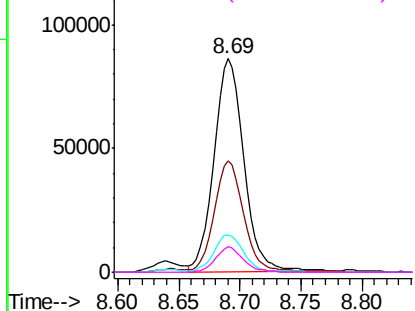
#48
2-Hexanone
Concen: 53.191 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 147589
Ion Ratio Lower Upper
43 100
58 51.0 41.8 62.8
57 18.2 14.2 21.4
100 11.2 9.4 14.2

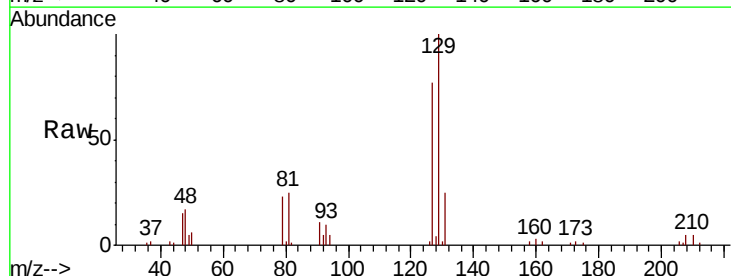


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

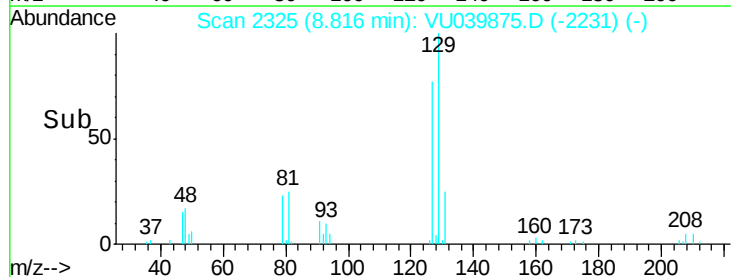
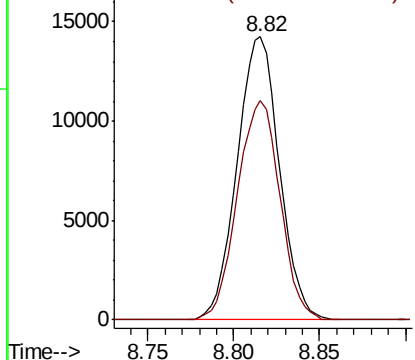


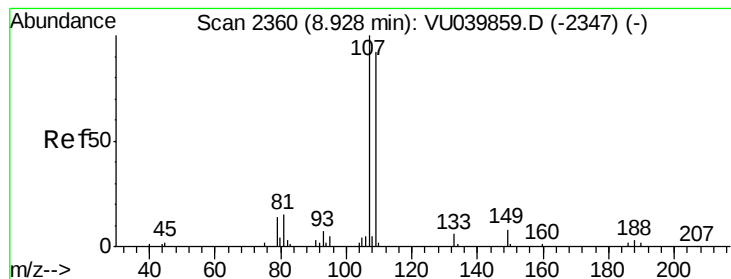
#49
Dibromochloromethane
Concen: 5.137 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Tgt Ion: 129 Resp: 24381
Ion Ratio Lower Upper
129 100
127 77.4 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.128 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampleId :

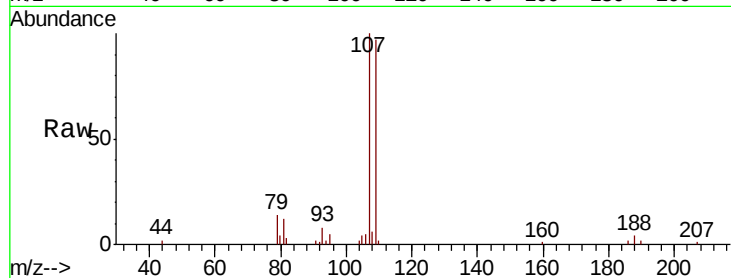
Tot Ion:107 Resp: 19450

Ion Ratio Lower Upper

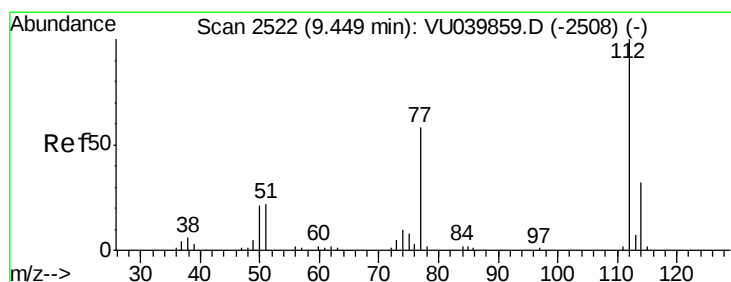
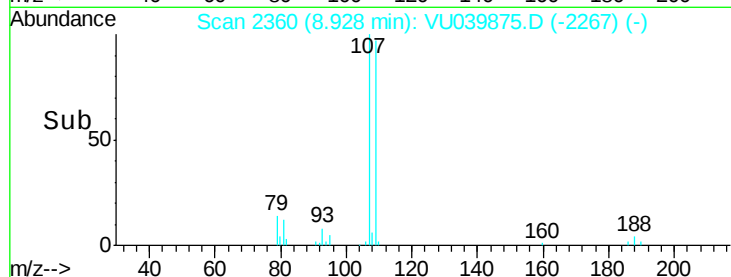
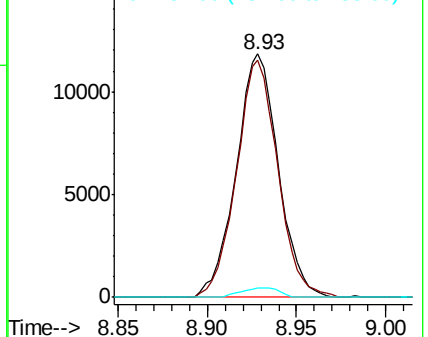
107 100

109 97.4 63.9 118.7

188 4.0 2.9 4.3



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



#51

Chlorobenzene

Concen: 5.119 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

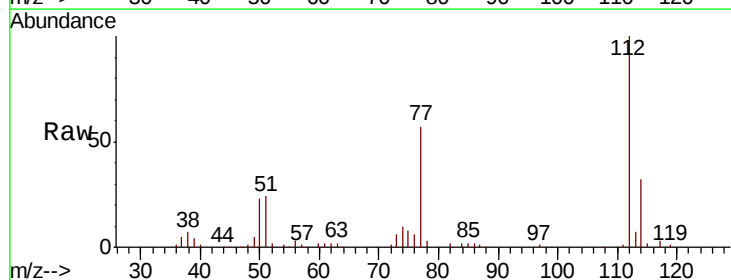
Tgt Ion:112 Resp: 69979

Ion Ratio Lower Upper

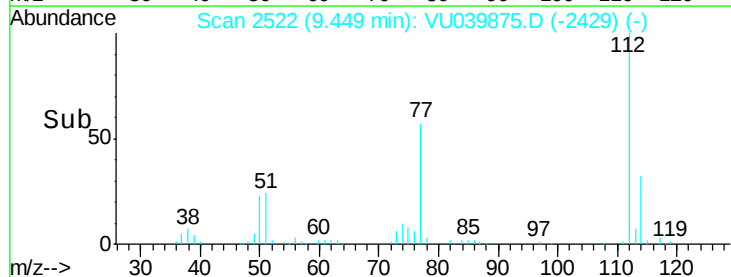
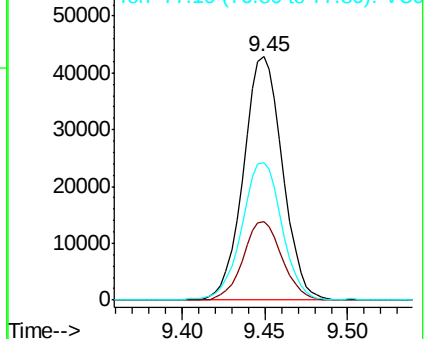
112 100

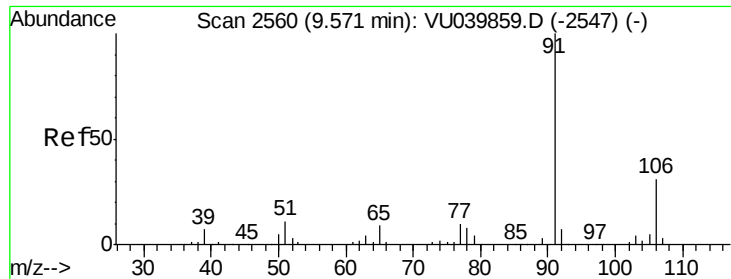
114 32.4 23.2 43.0

77 56.6 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): V





#52

Ethylbenzene

Concen: 5.025 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

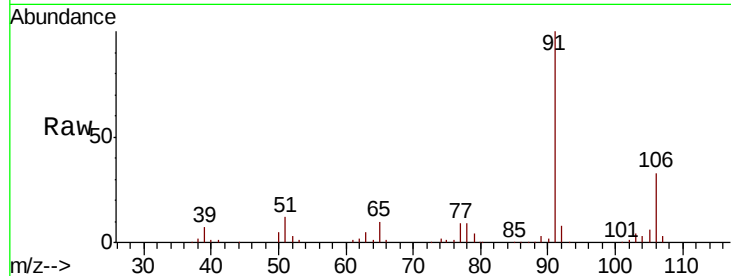
ClientSampleId :

Tot Ion: 91 Resp: 114405

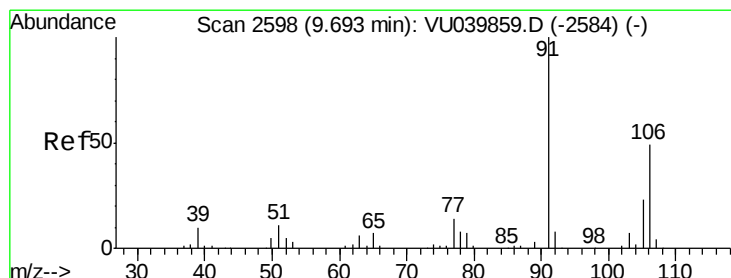
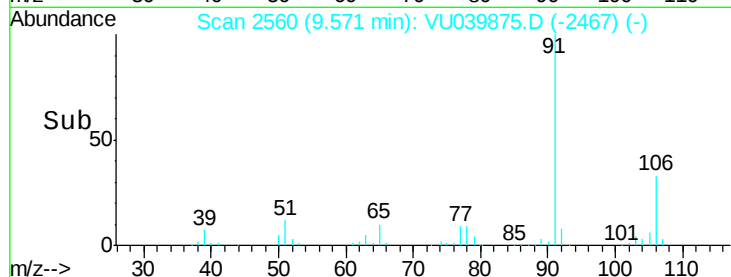
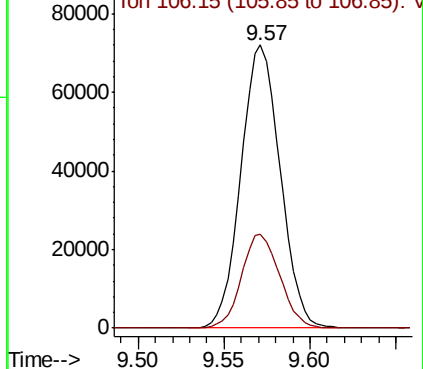
Ion Ratio Lower Upper

91 100

106 33.4 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039875.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.166 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039875.D

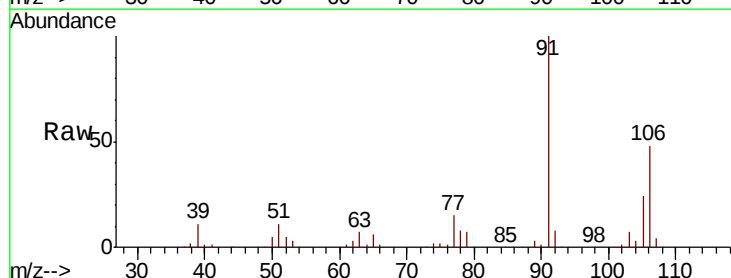
Acq: 14 Aug 2020 22:33

Tgt Ion: 106 Resp: 44797

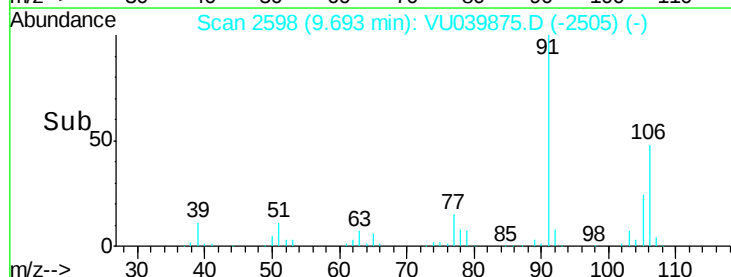
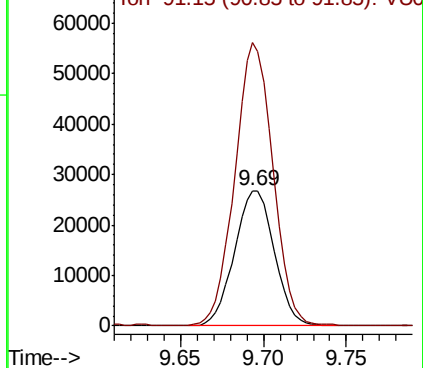
Ion Ratio Lower Upper

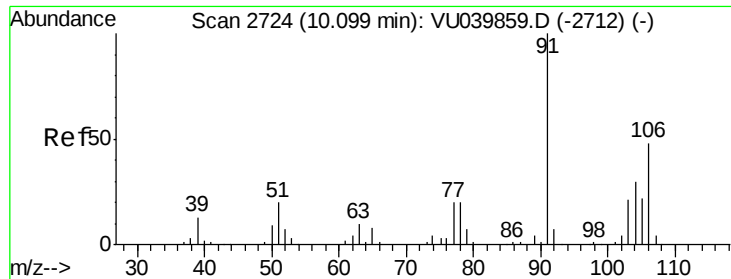
106 100

91 208.9 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039875.D (-2505) (-)

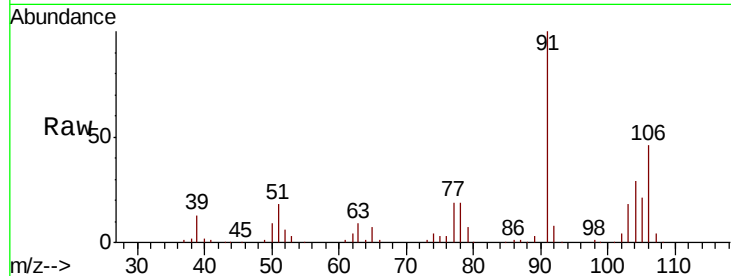




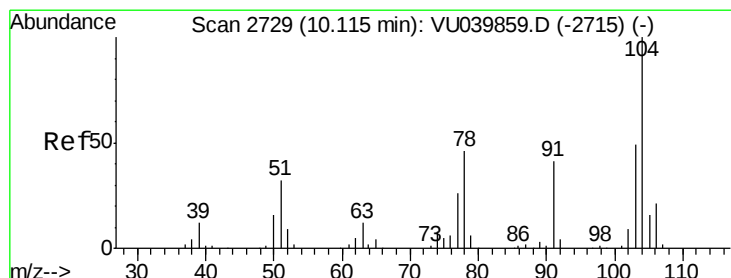
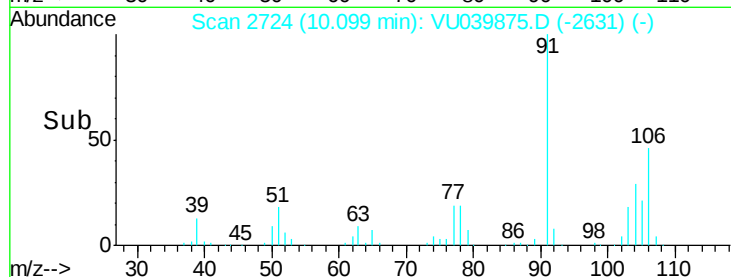
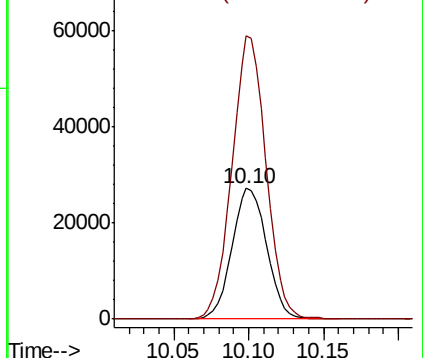
#54
o-Xylene
Concen: 5.162 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 43825
Ion Ratio Lower Upper
106 100
91 216.6 140.8 261.6

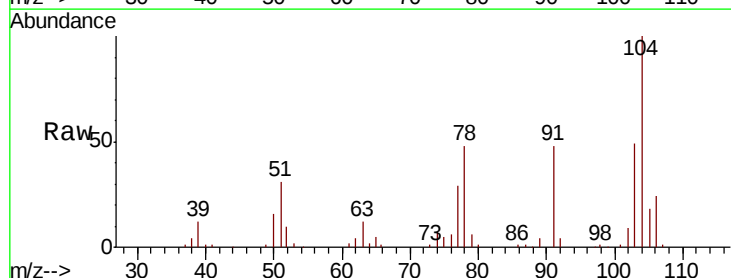


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

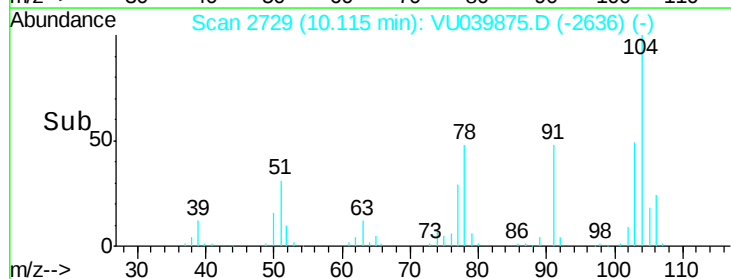
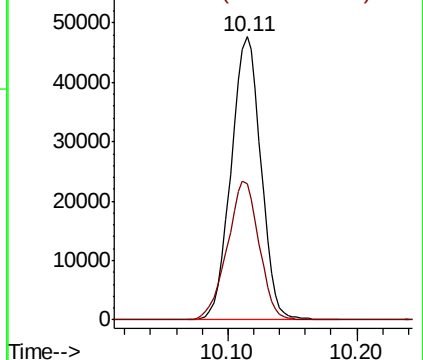


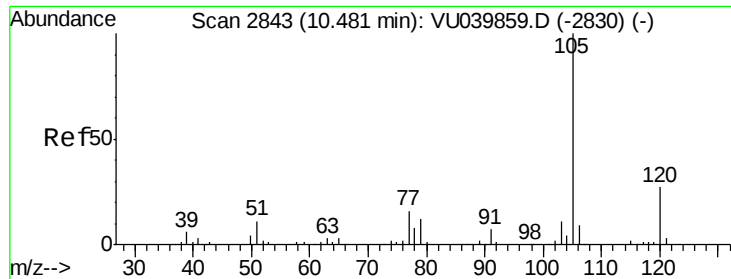
#55
Styrene
Concen: 5.353 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039875.D
Acq: 14 Aug 2020 22:33

Tgt Ion:104 Resp: 76540
Ion Ratio Lower Upper
104 100
78 48.1 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: 5.009 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampleId :

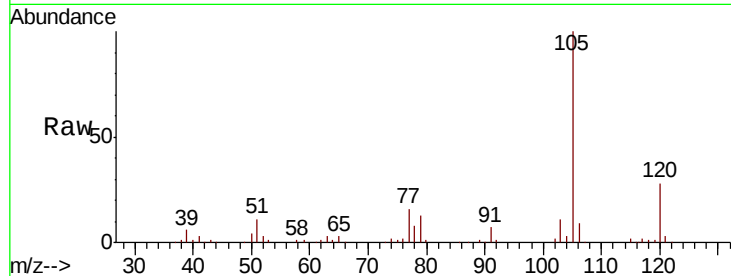
Tot Ion:105 Resp: 113669

Ion Ratio Lower Upper

105 100

120 28.0 21.0 31.6

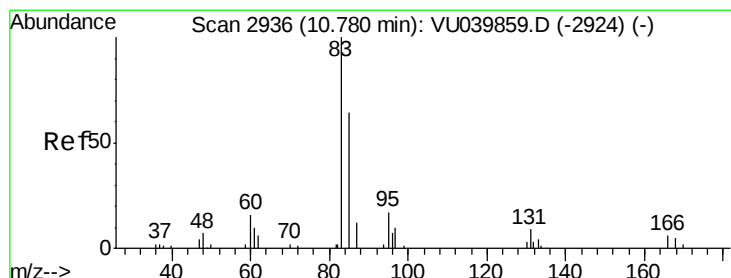
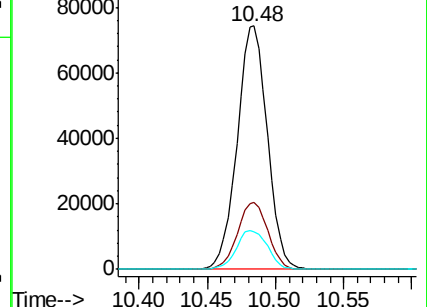
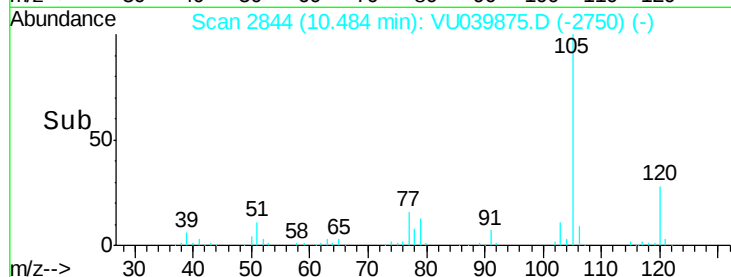
77 16.7 12.9 19.3



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: 4.861 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

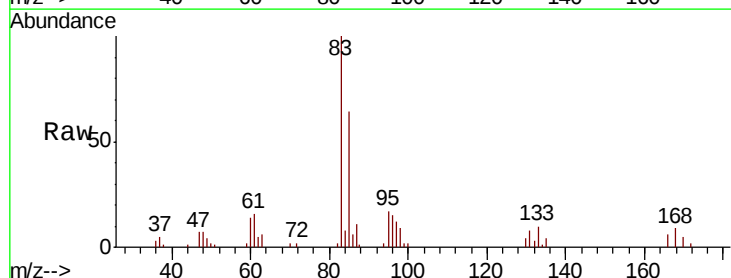
Tgt Ion: 83 Resp: 25866

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.4

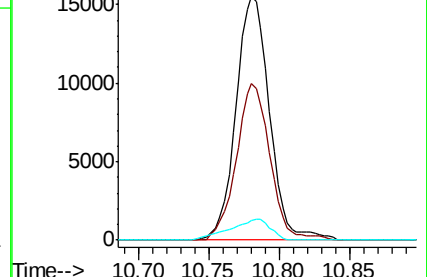
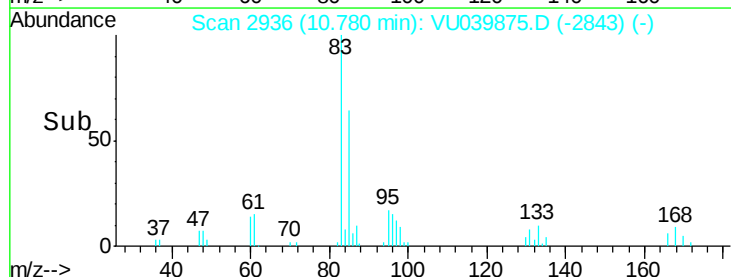
131 8.0 7.4 11.0

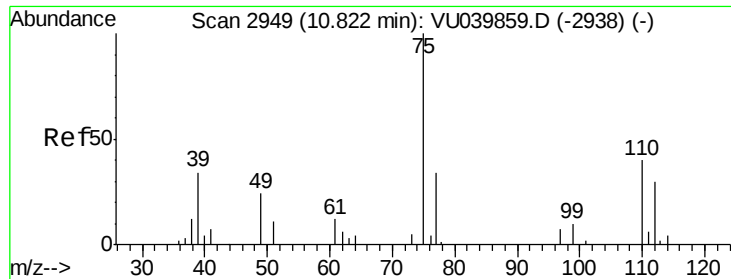


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.092 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

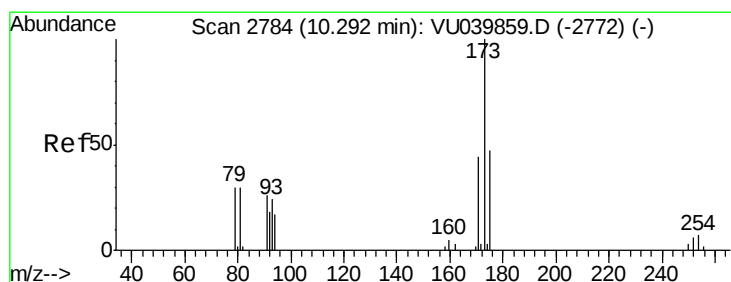
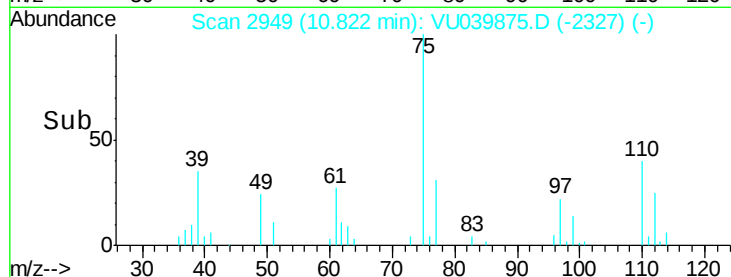
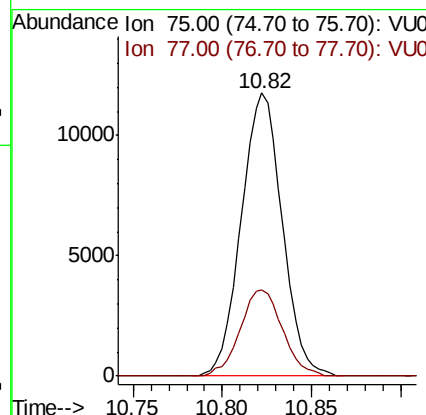
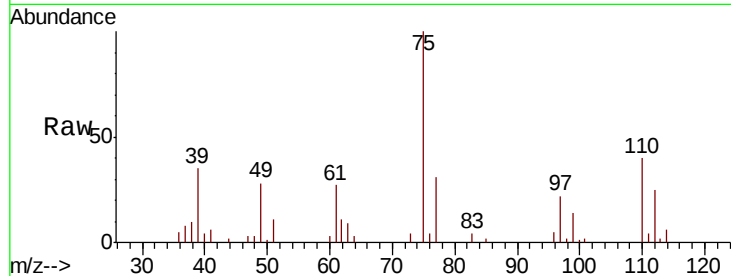
ClientSampleId :

Tot Ion: 75 Resp: 18886

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#61

Bromoform

Concen: 5.402 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

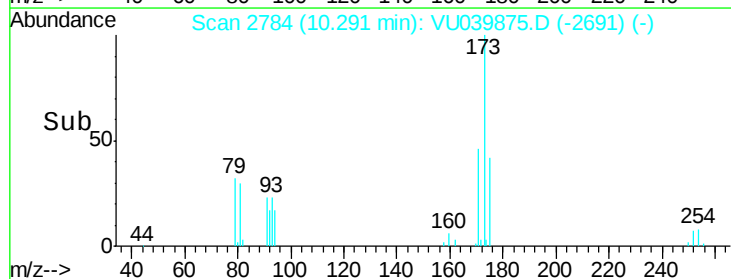
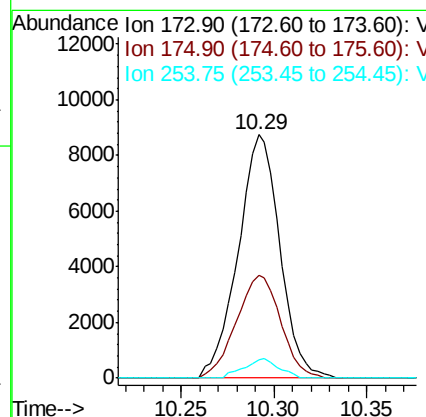
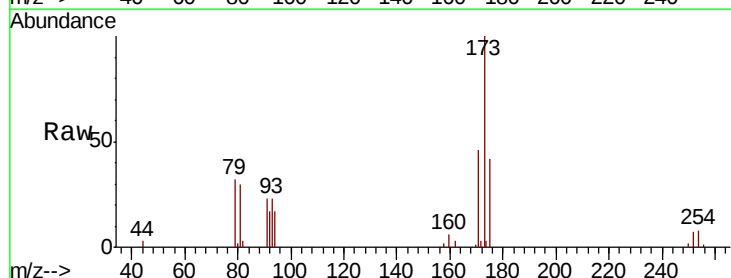
Tgt Ion: 173 Resp: 13661

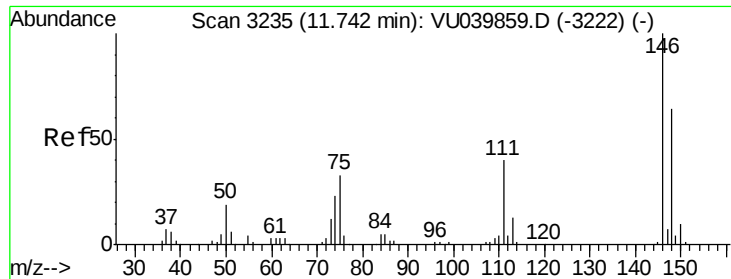
Ion Ratio Lower Upper

173 100

175 44.7 33.8 50.8

254 6.6 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 5.355 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampleId :

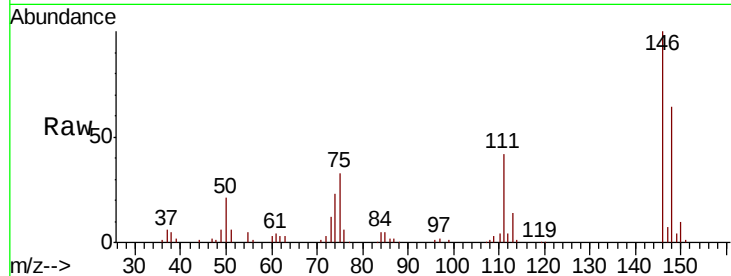
Tot Ion:146 Resp: 58656

Ion Ratio Lower Upper

146 100

111 42.0 27.7 51.5

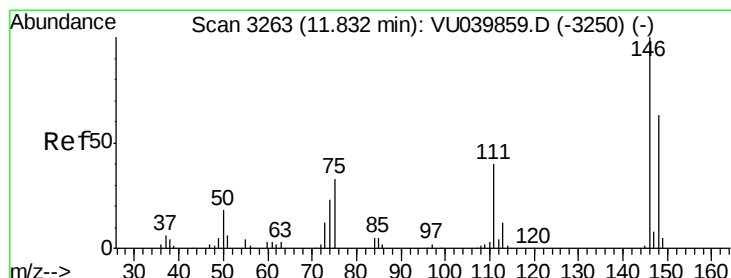
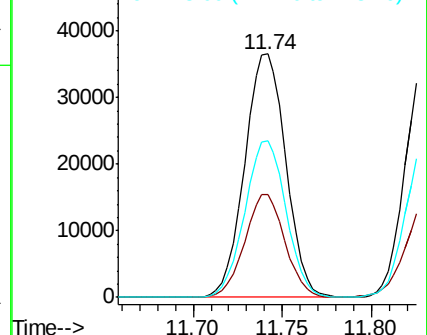
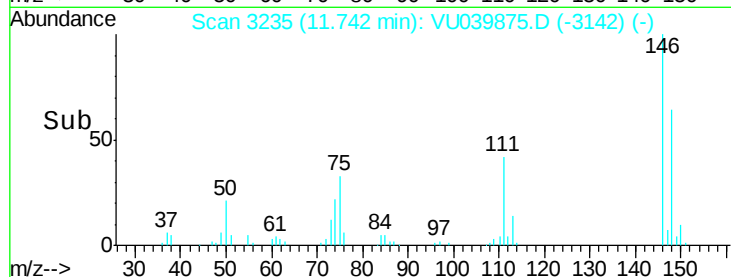
148 64.5 45.2 84.0



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: 5.159 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

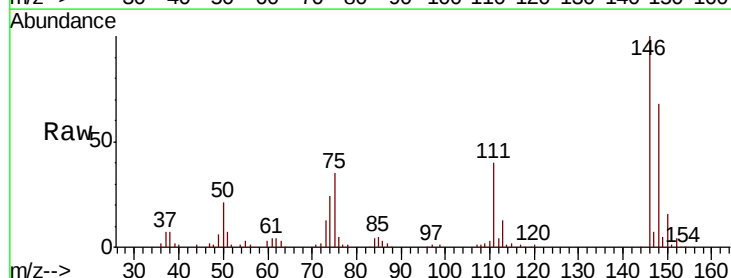
Tgt Ion:146 Resp: 59570

Ion Ratio Lower Upper

146 100

111 39.6 26.5 49.3

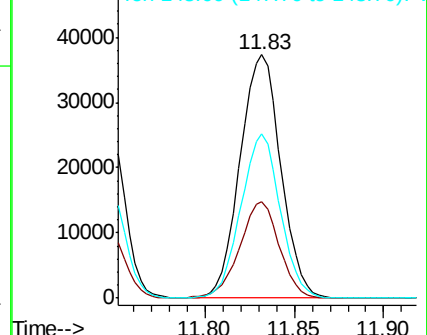
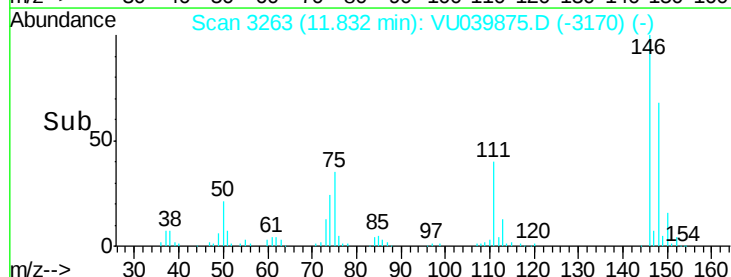
148 67.7 45.3 84.1

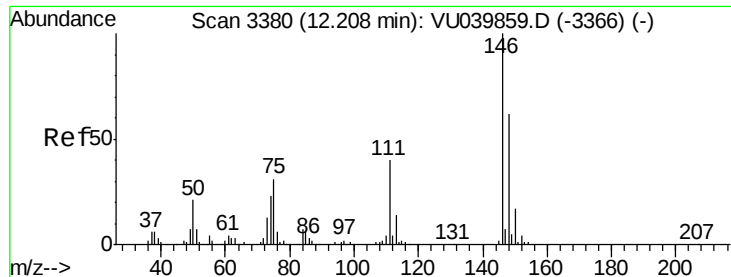


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

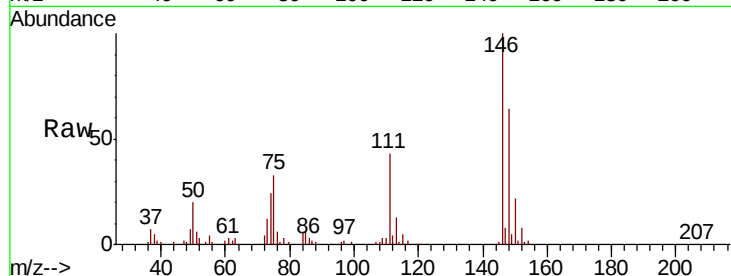




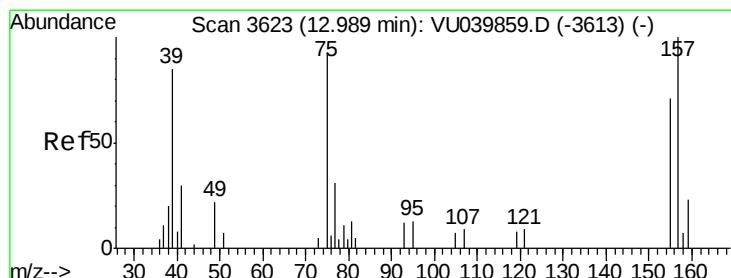
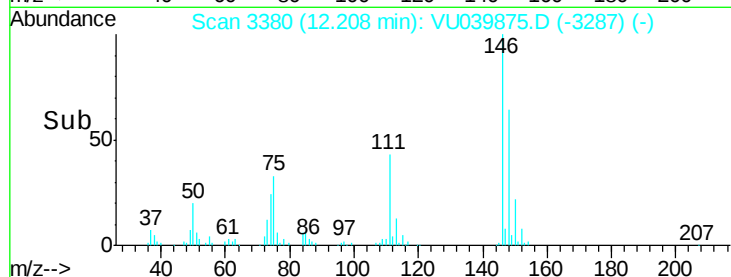
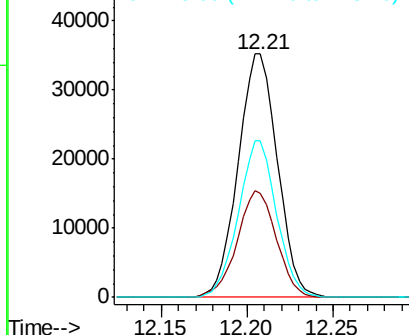
#65
 1,2-Dichlorobenzene
 Concen: 5.189 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 56002
 Ion Ratio Lower Upper
 146 100
 111 42.9 33.1 49.7
 148 64.1 51.5 77.3

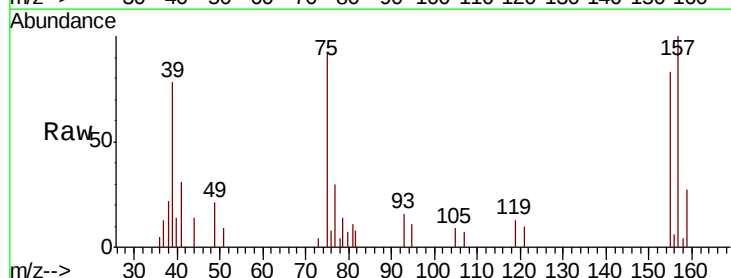


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

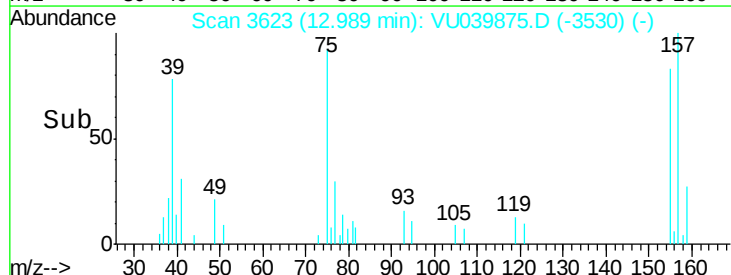
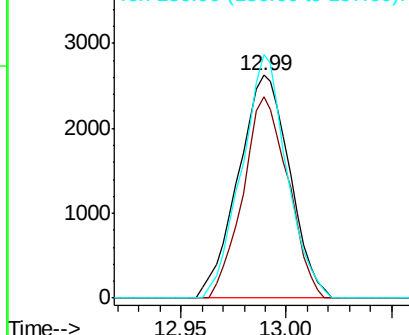


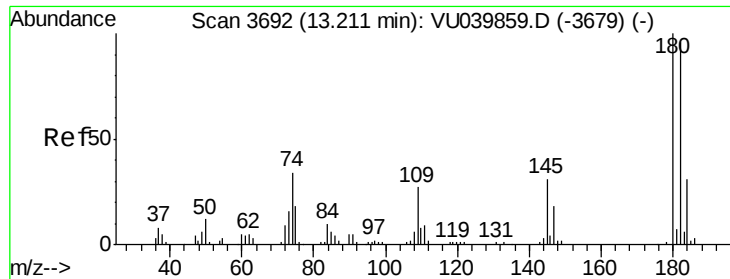
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.474 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion: 75 Resp: 4466
 Ion Ratio Lower Upper
 75 100
 155 90.2 64.0 96.0
 157 109.3 77.0 115.6



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

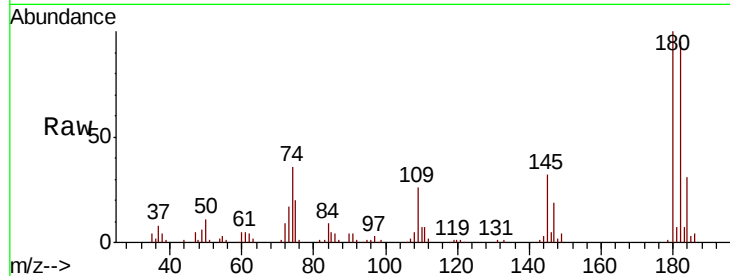




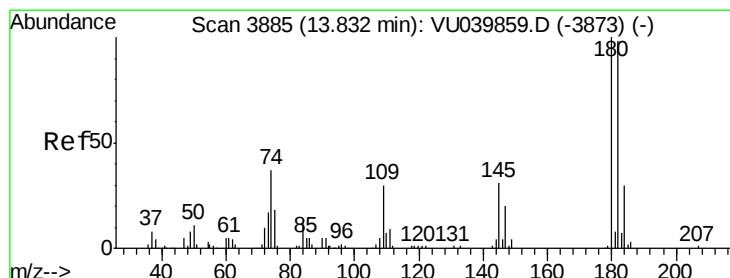
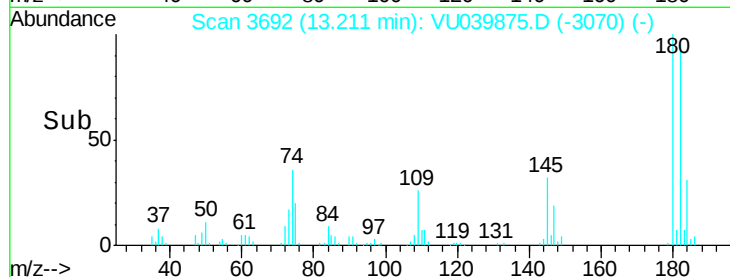
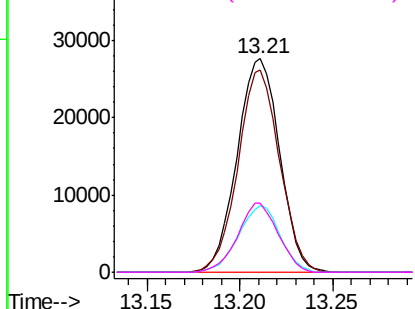
#67
 1,3,5-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 43867
 Ion Ratio Lower Upper
 180 100
 182 92.7 74.9 112.3
 184 30.4 25.3 37.9
 145 30.9 25.0 37.6

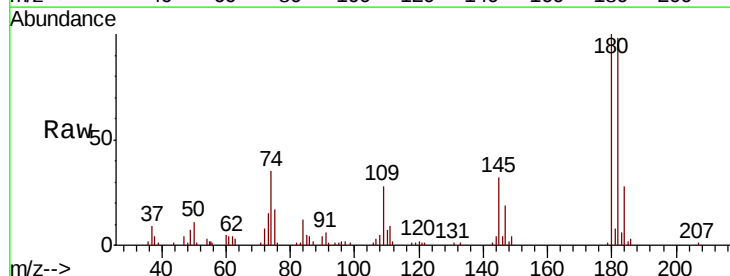


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

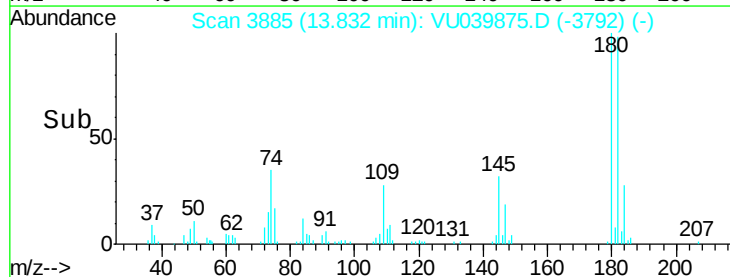
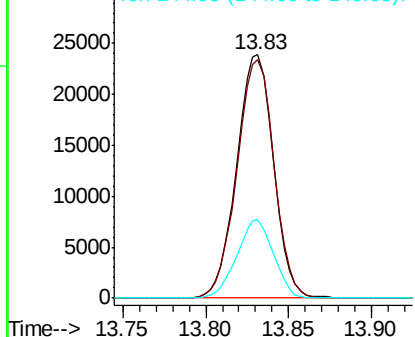


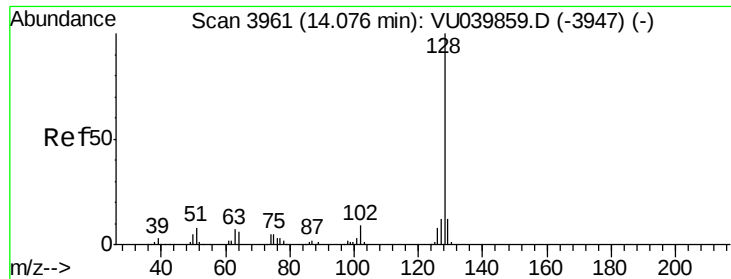
#68
 1,2,4-trichlorobenzene
 Concen: 5.329 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039875.D
 Acq: 14 Aug 2020 22:33

Tgt Ion:180 Resp: 37074
 Ion Ratio Lower Upper
 180 100
 182 98.3 75.7 113.5
 145 31.7 25.1 37.7



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: 5.017 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

Instrument :

MSVOA_U

ClientSampled :

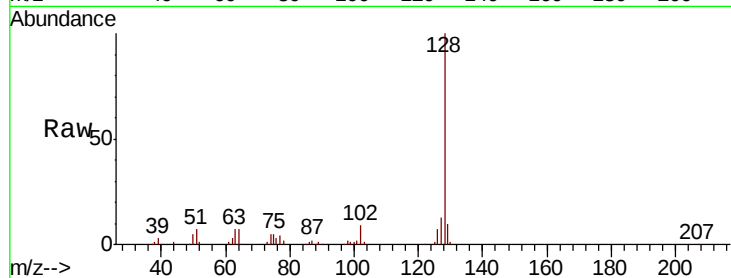
Tot Ion:128 Resp: 62405

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

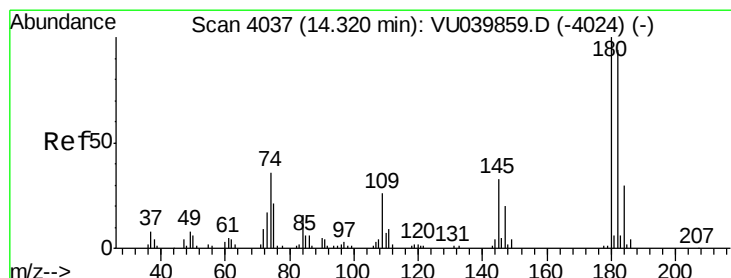
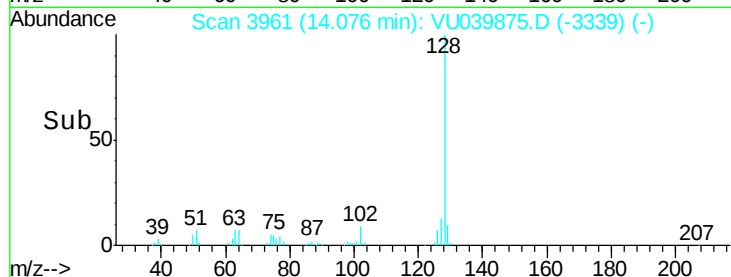
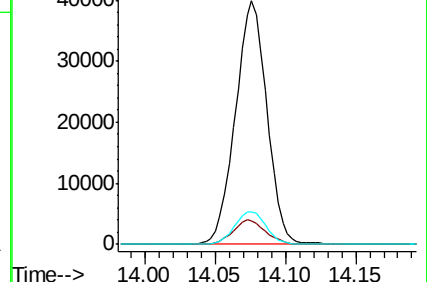
127 13.4 10.1 15.1



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: 5.514 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039875.D

Acq: 14 Aug 2020 22:33

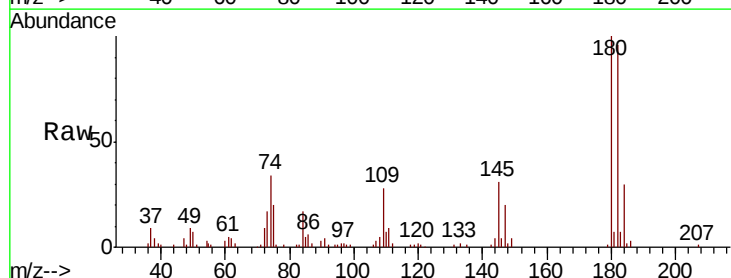
Tgt Ion:180 Resp: 34417

Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 33.4 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

