

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039650.D
 Acq On : 23 Jul 2020 20:31
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:07:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	191803	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	184914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	84931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52695	42.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.40%
7) Chloroethane-d5	1.92	69	61625	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	2.58	63	86708	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.65	46	130651	90.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.63%
24) Chloroform-d	5.09	84	120247	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.72	65	88685	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
32) Benzene-d6	5.75	84	232757	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
36) 1,2-Dichloropropane-d6	6.71	67	78250	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.91	98	212377	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%
43) trans-1,3-Dichloropropene-	8.19	79	35621	41.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.82%
47) 2-Hexanone-d5	8.64	63	81106	88.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116837	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	12.19	152	85553	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2062	1.578 ug/L	98
3) Chloromethane	1.53	50	2378	1.752 ug/L	98
5) Vinyl chloride	1.61	62	2419	1.754 ug/L #	60
6) Bromomethane	1.86	94	2175	2.099 ug/L	95
9) Trichlorofluoromethane	2.15	101	3949	1.620 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2210	1.884 ug/L #	69
12) 1,1-Dichloroethene	2.59	96	2410	2.203 ug/L #	1
13) Acetone	2.65	43	3530	3.680 ug/L	80
14) Carbon disulfide	2.81	76	5673	1.620 ug/L	98
15) Methyl Acetate	2.97	43	2880	1.676 ug/L	96
16) Methylene chloride	3.06	84	2339	1.785 ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	1804	1.482 ug/L	91
18) Methyl tert-butyl Ether	3.38	73	6443	1.638 ug/L #	89
19) 1,1-Dichloroethane	3.90	63	4053	1.706 ug/L #	90
20) cis-1,2-Dichloroethene	4.69	96	1292	0.929 ug/L	95
22) 2-Butanone	4.73	43	4567	3.378 ug/L	85
23) Bromochloromethane	4.99	128	1050	1.502 ug/L	97

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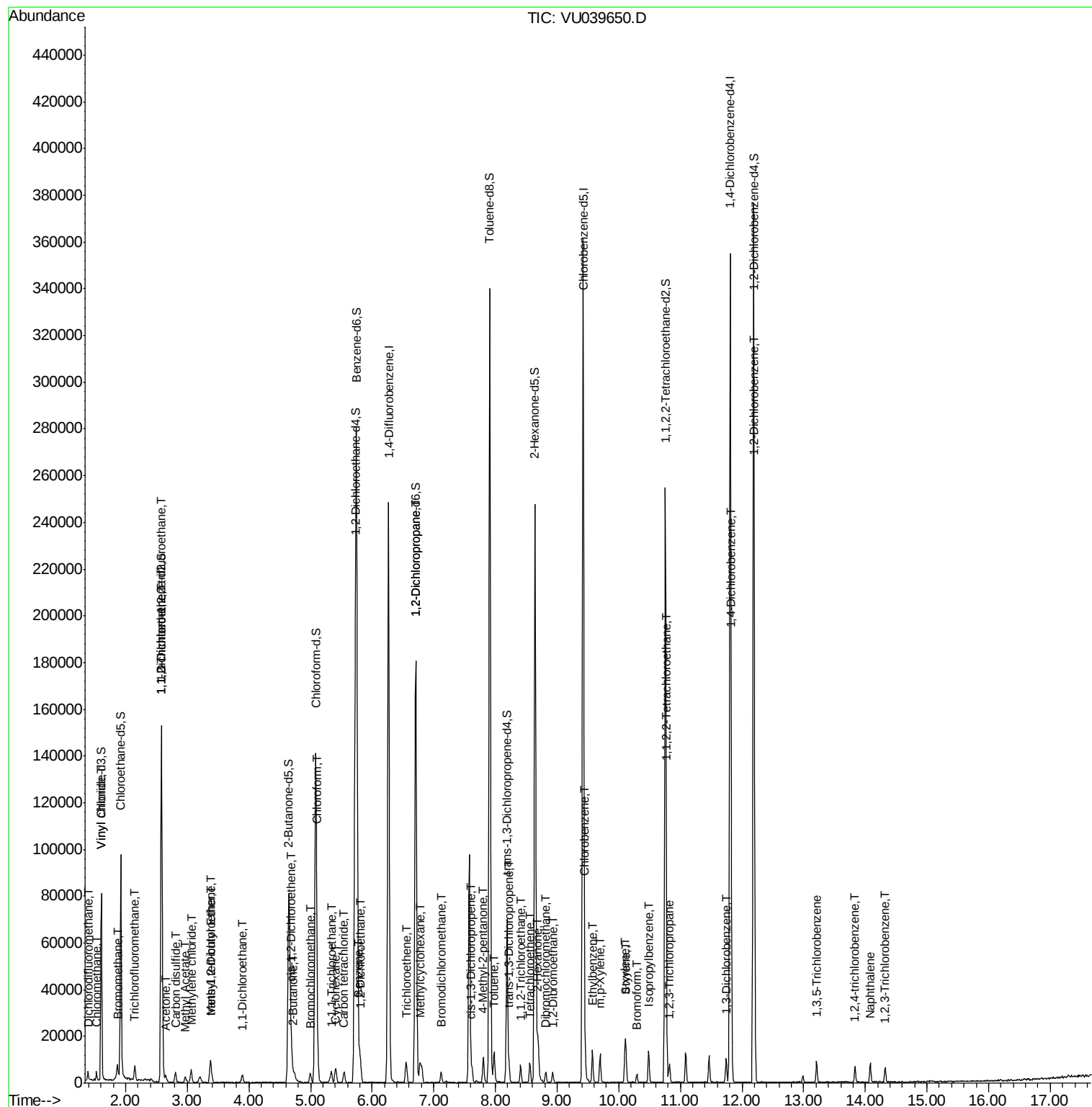
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	9425	3.576	uq/L	97
27) 1,2-Dichloroethane	5.81	62	3982	1.822	uq/L #	95
29) Cyclohexane	5.41	56	3173	1.579	uq/L #	89
30) 1,1,1-Trichloroethane	5.34	97	3543	1.600	uq/L #	89
31) Carbon tetrachloride	5.55	117	2960	1.612	uq/L	93
33) Benzene	5.79	78	8611	1.690	uq/L	100
34) Trichloroethene	6.56	95	2232	1.656	uq/L	92
35) Methylcyclohexane	6.77	83	2954	1.417	uq/L #	92
37) 1,2-Dichloropropane	6.71	63	9598	6.956	uq/L #	90
38) Bromodichloromethane	7.12	83	2950	1.610	uq/L #	95
39) cis-1,3-Dichloropropene	7.62	75	3341	1.620	uq/L	96
40) 4-Methyl-2-pentanone	7.80	43	7586	3.156	uq/L	100
42) Toluene	7.98	91	8868	1.582	uq/L	95
44) trans-1,3-Dichloropropene	8.22	75	3292	1.630	uq/L	98
45) 1,1,2-Trichloroethane	8.41	97	2085	1.585	uq/L	95
46) Tetrachloroethene	8.56	164	1622	1.591	uq/L	89
48) 2-Hexanone	8.69	43	10526	5.374	uq/L	99
49) Dibromochloromethane	8.82	129	2312	1.556	uq/L	89
50) 1,2-Dibromoethane	8.93	107	2438	1.665	uq/L #	85
51) Chlorobenzene	9.45	112	5743	1.606	uq/L #	86
52) Ethylbenzene	9.57	91	9201	1.486	uq/L	93
53) m,p-Xylene	9.70	106	3663	1.569	uq/L	83
54) o-xylene	10.10	106	3530	1.576	uq/L	96
55) Styrene	10.12	104	5219	1.346	uq/L	96
56) Isopropylbenzene	10.48	105	8489	1.396	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	3998	1.667	uq/L	95
59) 1,2,3-Trichloropropane	10.82	75	3444	1.720	uq/L	91
61) Bromoform	10.29	173	1437	1.430	uq/L #	77
62) 1,3-Dichlorobenzene	11.74	146	4018	1.544	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	4503	1.728	uq/L	94
65) 1,2-Dichlorobenzene	12.21	146	4561	1.735	uq/L #	92
67) 1,3,5-Trichlorobenzene	13.21	180	2767	1.475	uq/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2121	1.332	uq/L	98
69) Naphthalene	14.08	128	6300	1.319	uq/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	2047	1.273	uq/L	94

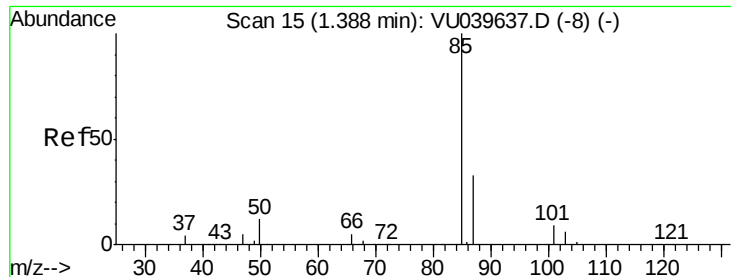
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.578 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

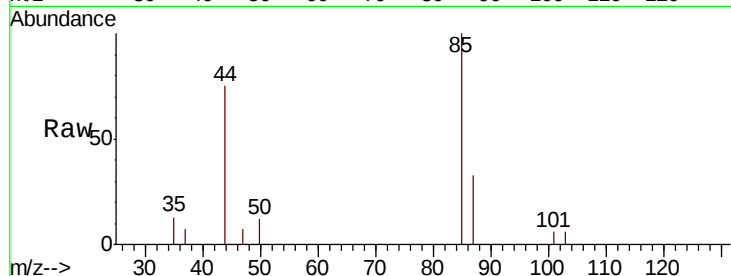
ClientSampleId :

Tot Ion: 85 Resp: 2062

Ion Ratio Lower Upper

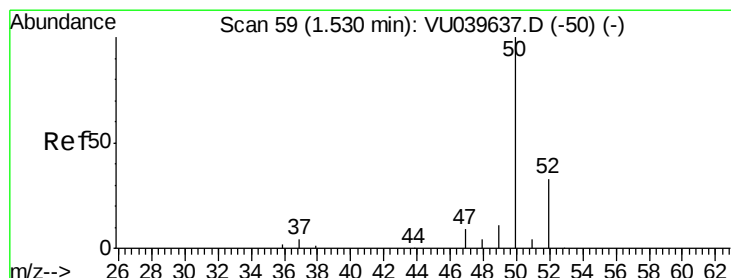
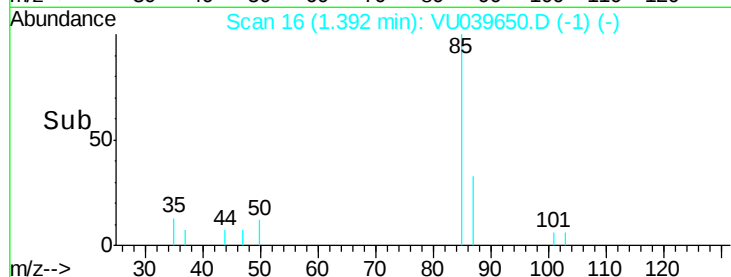
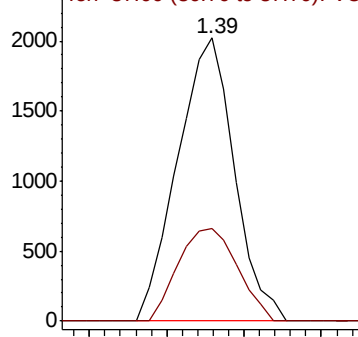
85 100

87 34.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.752 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039650.D

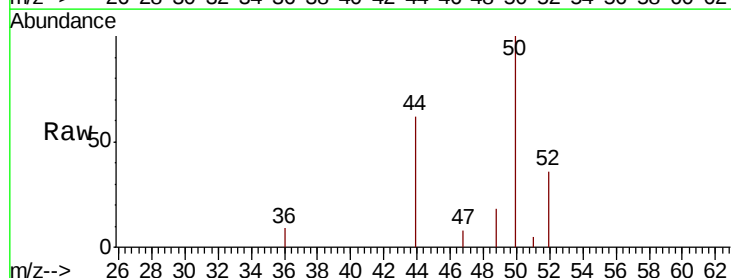
Acq: 23 Jul 2020 20:31

Tgt Ion: 50 Resp: 2378

Ion Ratio Lower Upper

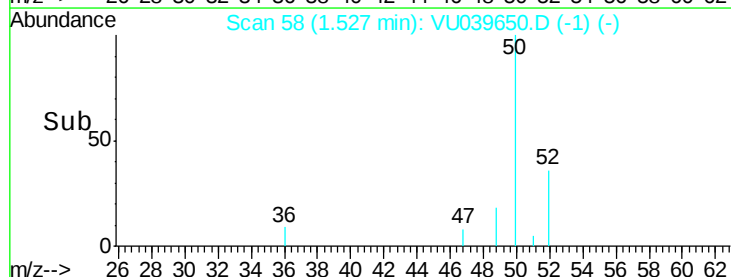
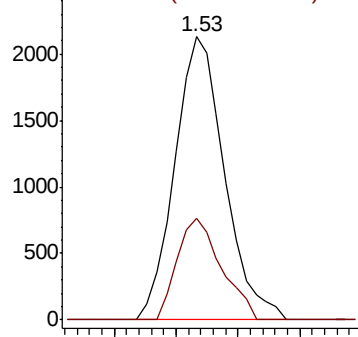
50 100

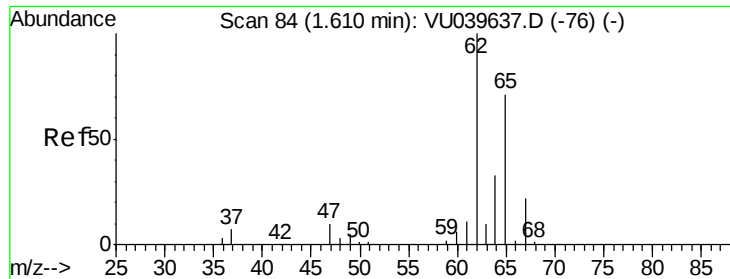
52 35.7 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 1.754 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

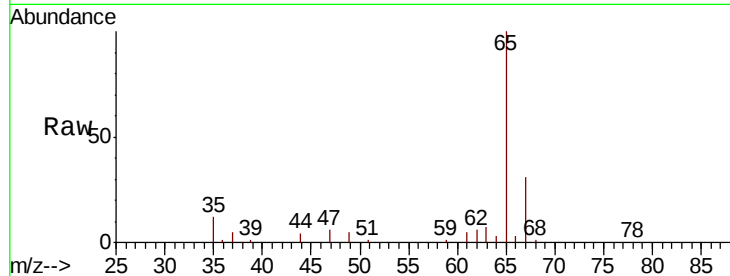
ClientSampled :

Tot Ion: 62 Resp: 2419

Ion Ratio Lower Upper

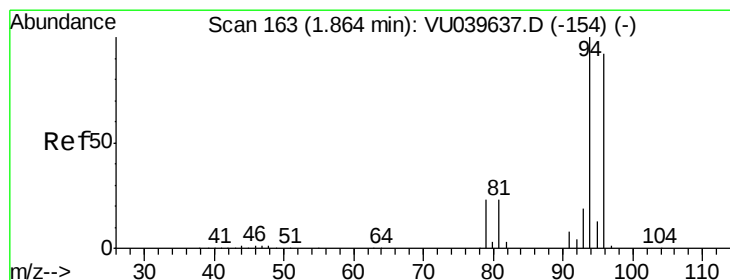
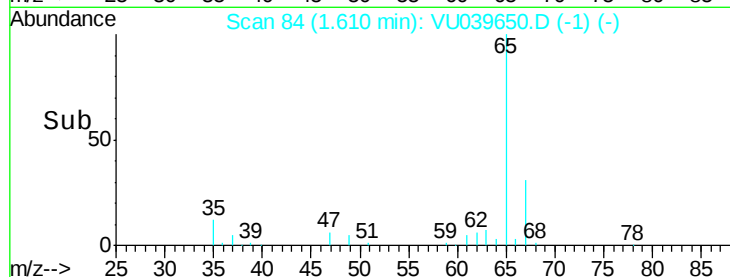
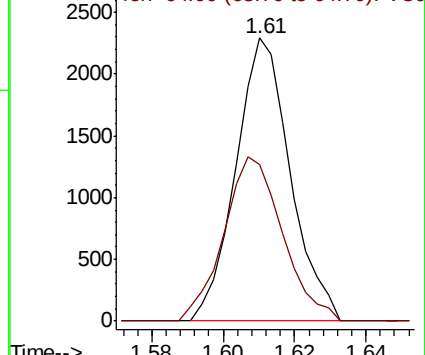
62 100

64 55.3 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.099 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039650.D

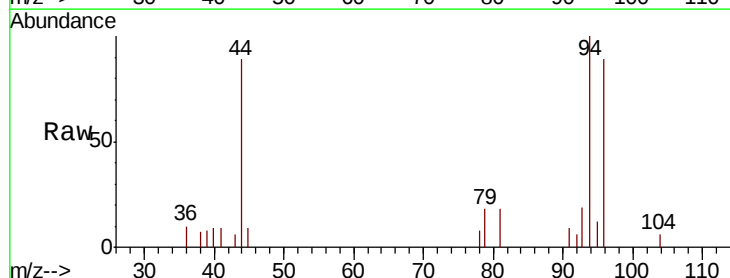
Acq: 23 Jul 2020 20:31

Tgt Ion: 94 Resp: 2175

Ion Ratio Lower Upper

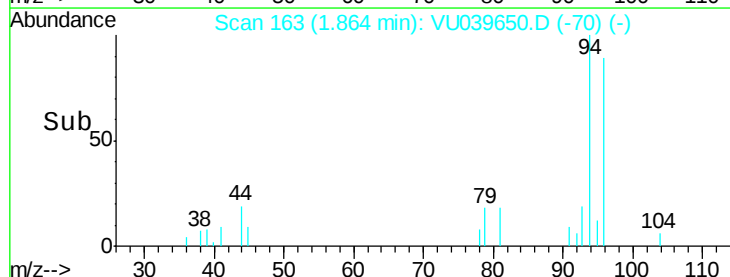
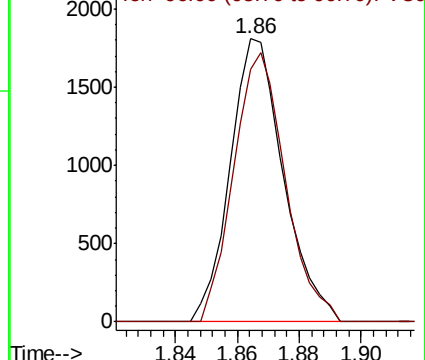
94 100

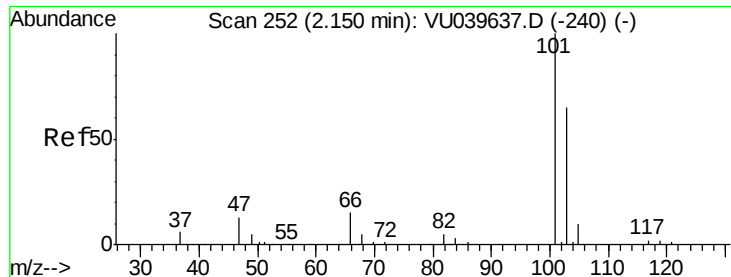
96 89.5 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#9

Trichlorofluoromethane

Concen: 1.620 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

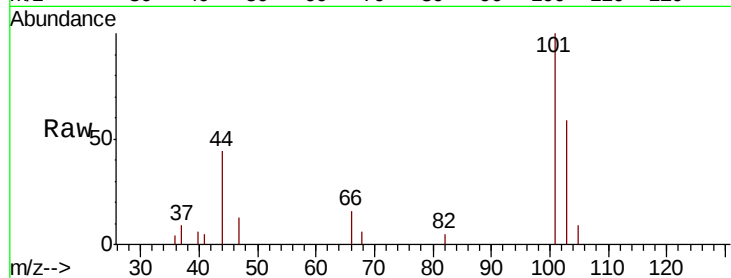
ClientSampleId :

Tot Ion:101 Resp: 3949

Ion Ratio Lower Upper

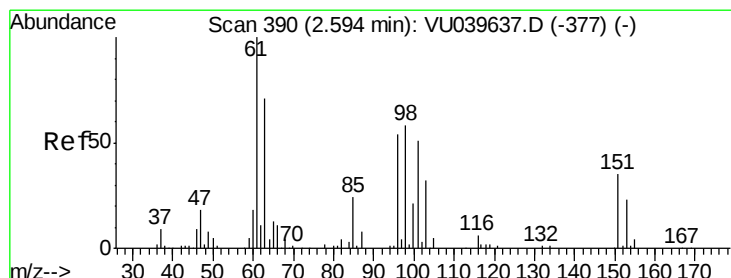
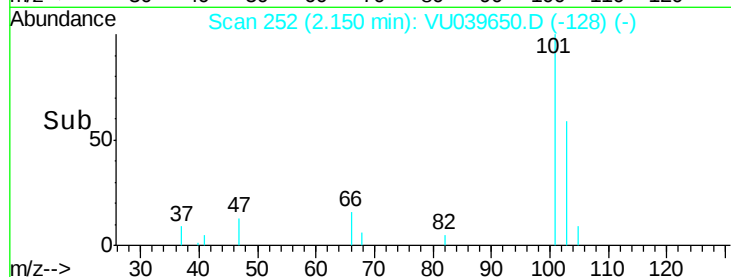
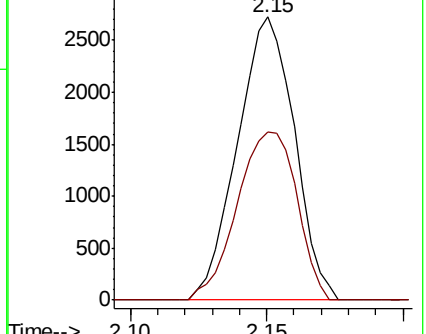
101 100

103 62.4 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 1.884 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

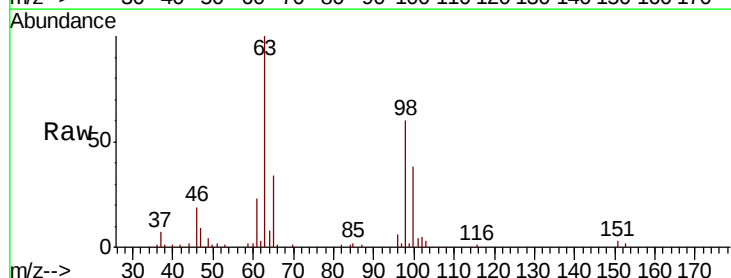
Tgt Ion:101 Resp: 2210

Ion Ratio Lower Upper

101 100

85 17.5 39.7 59.5#

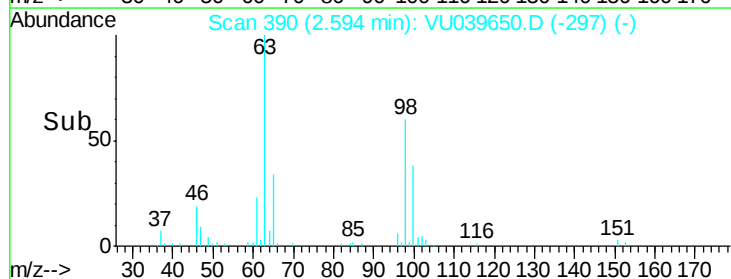
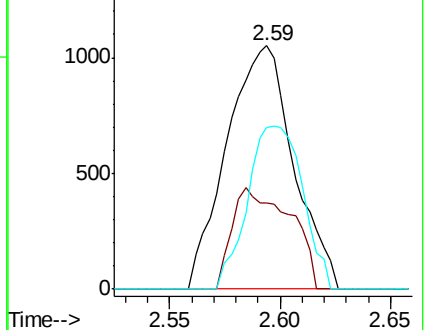
151 55.0 57.4 86.2#

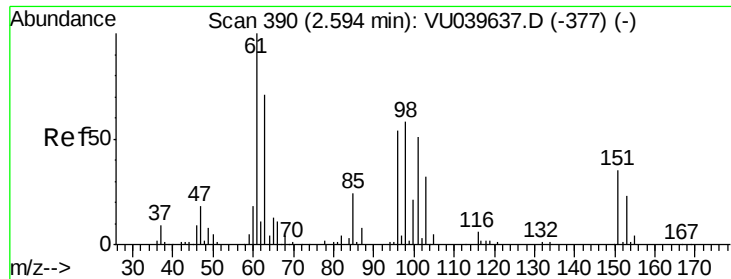


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 2.203 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :

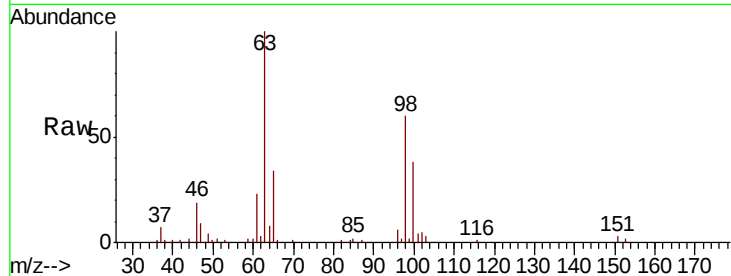
Tot Ion: 96 Resp: 2410

Ion Ratio Lower Upper

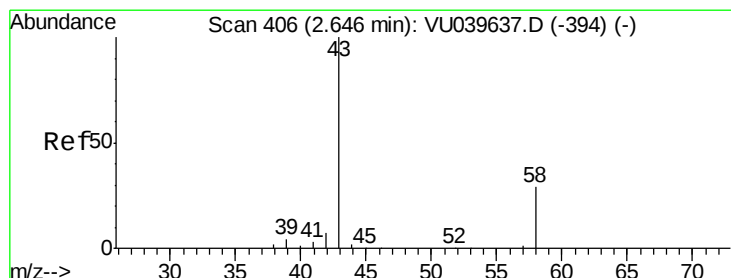
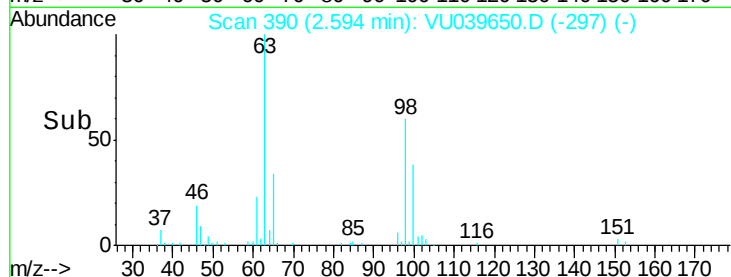
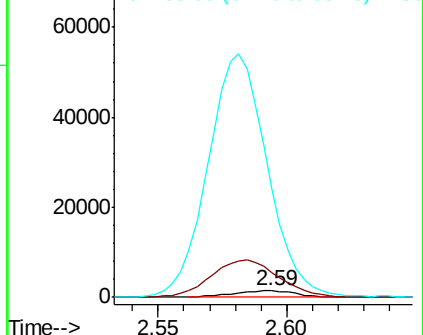
96 100

61 401.5 136.6 253.6#

63 1749.3 97.2 180.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 3.680 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU039650.D

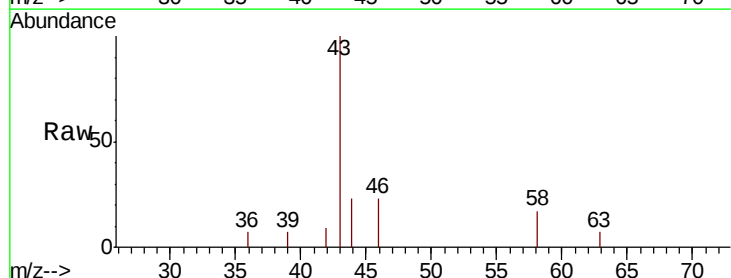
Acq: 23 Jul 2020 20:31

Tgt Ion: 43 Resp: 3530

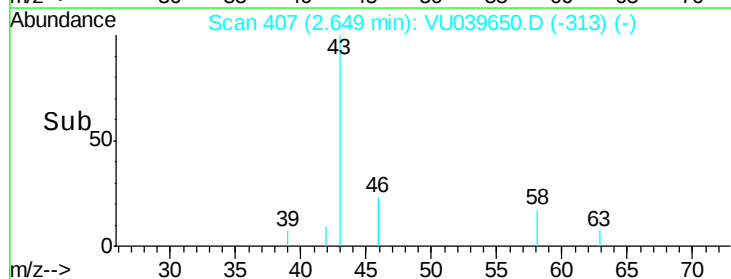
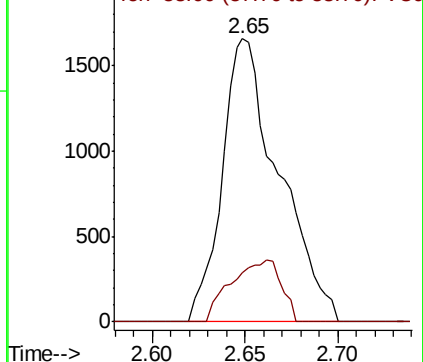
Ion Ratio Lower Upper

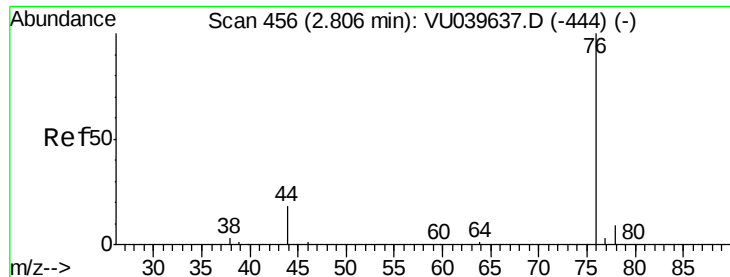
43 100

58 19.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

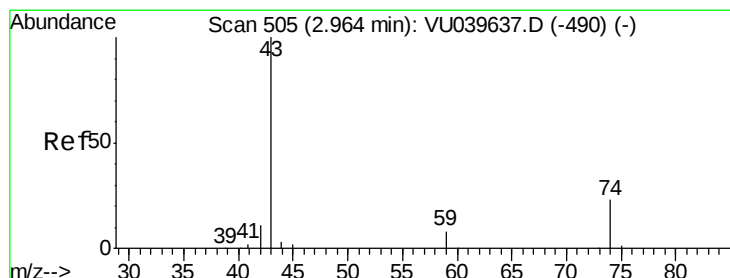
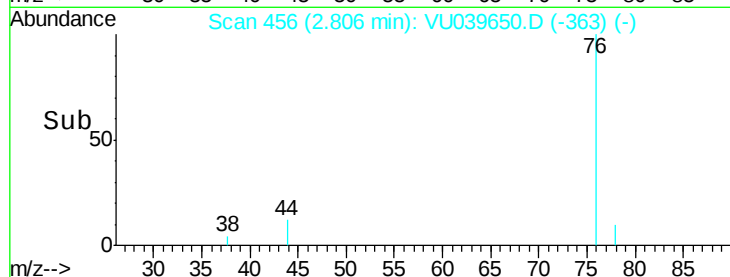
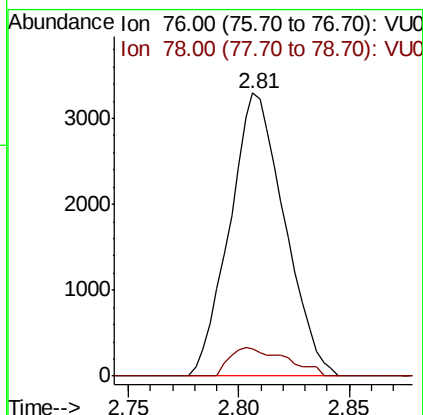
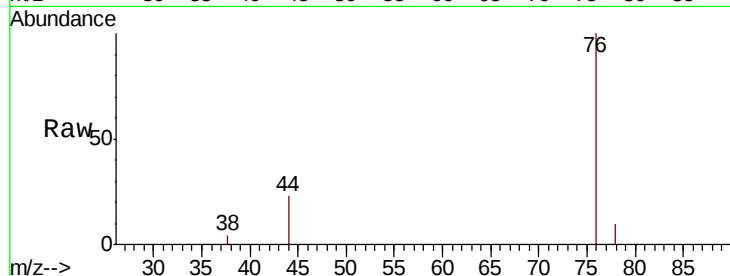




#14
Carbon disulfide
Concen: 1.620 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

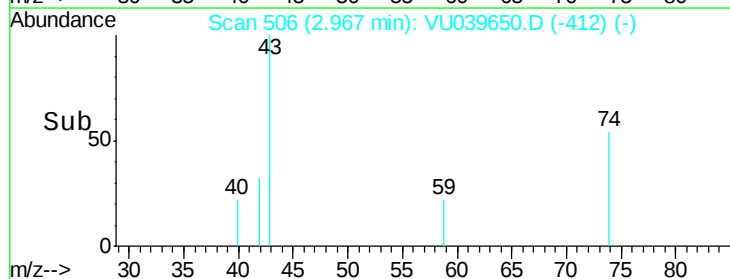
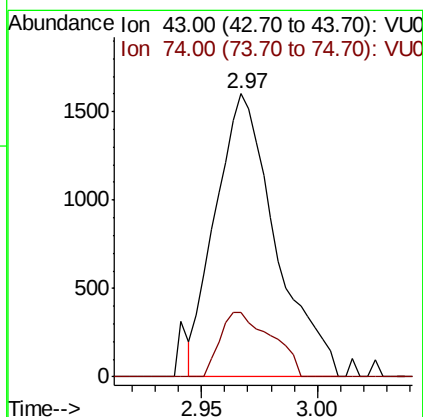
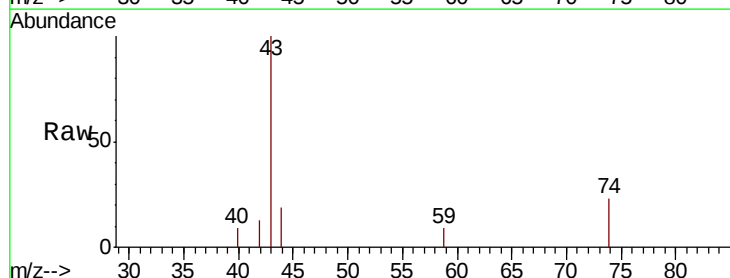
Instrument :
MSVOA_U
ClientSampleId :

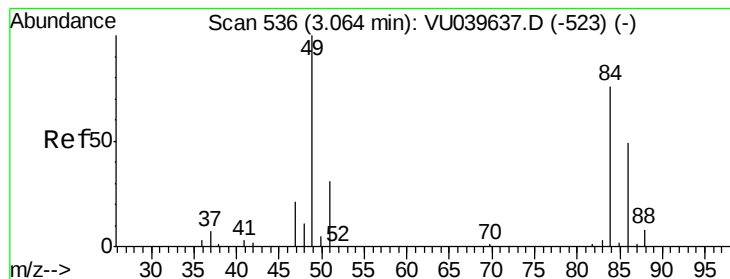
Tot Ion: 76 Resp: 5673
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9



#15
Methyl Acetate
Concen: 1.676 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
74 19.6 17.4 26.0





#16

Methylene chloride

Concen: 1.785 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

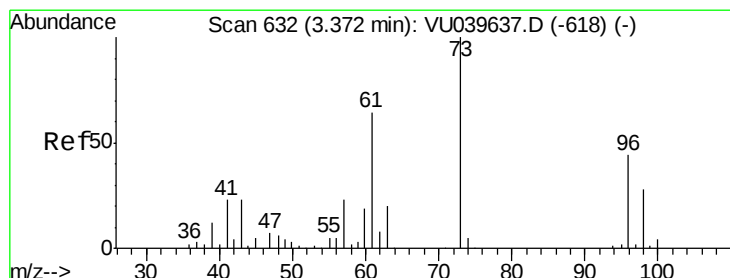
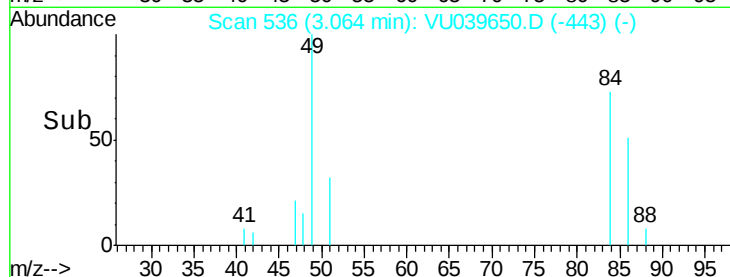
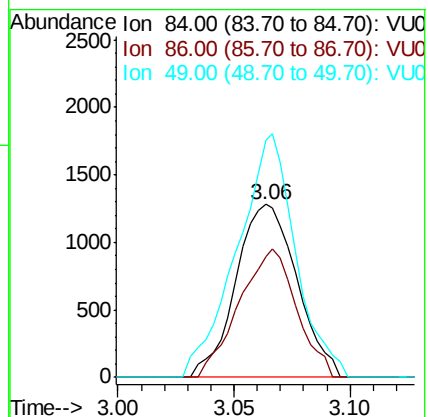
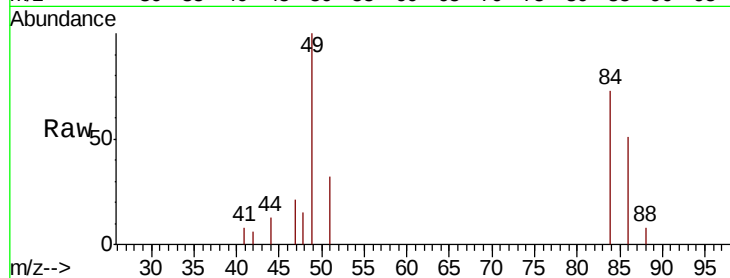
Tot Ion: 84 Resp: 2339

Ion Ratio Lower Upper

84 100

86 70.2 46.2 85.8

49 136.9 97.3 180.7



#17

trans-1,2-Dichloroethene

Concen: 1.482 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

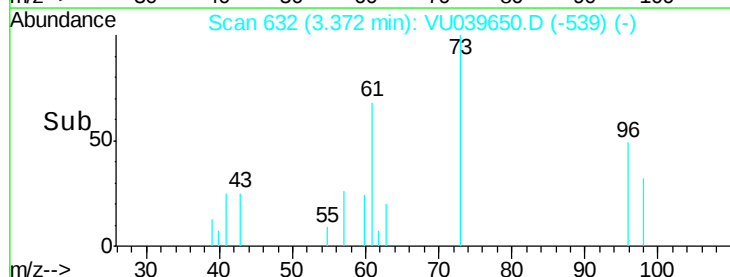
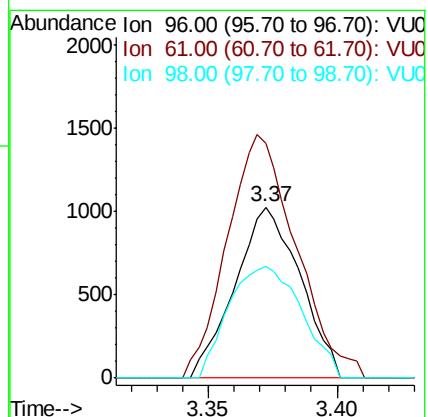
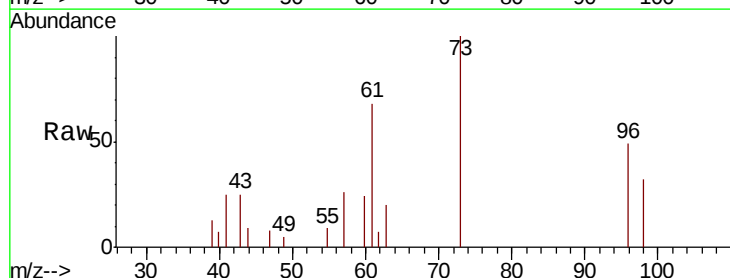
Tgt Ion: 96 Resp: 1804

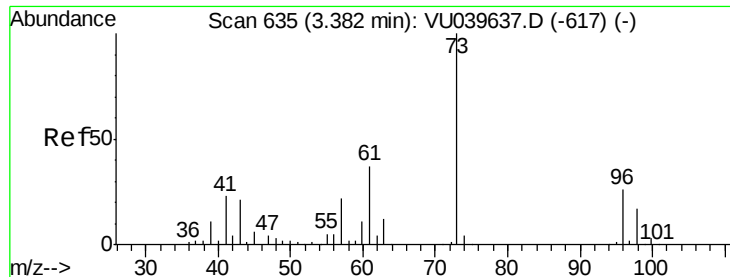
Ion Ratio Lower Upper

96 100

61 137.6 106.7 198.1

98 65.2 44.3 82.3

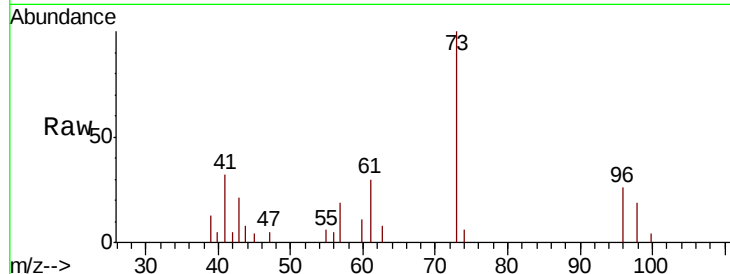




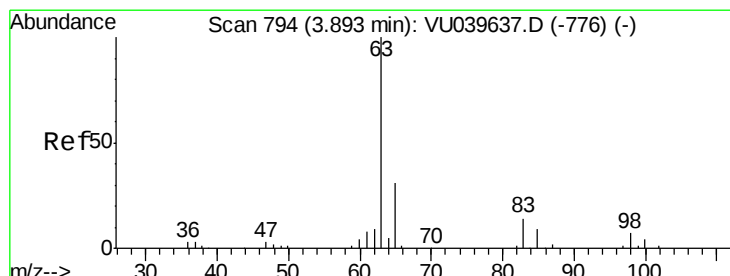
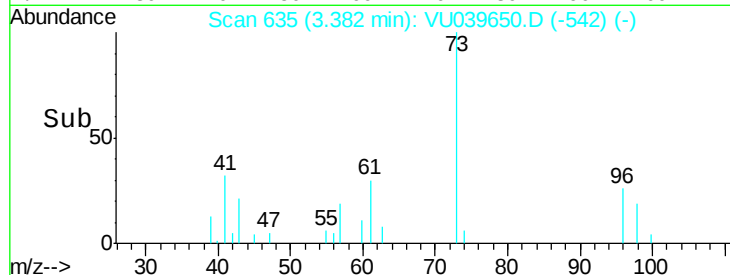
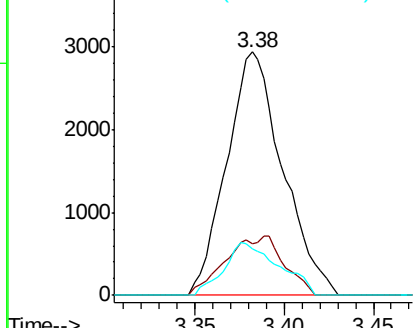
#18
Methvl tert-butvl Ether
Concen: 1.638 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 6443
Ion Ratio Lower Upper
73 100
43 12.8 18.2 27.2#
57 21.2 17.4 26.2

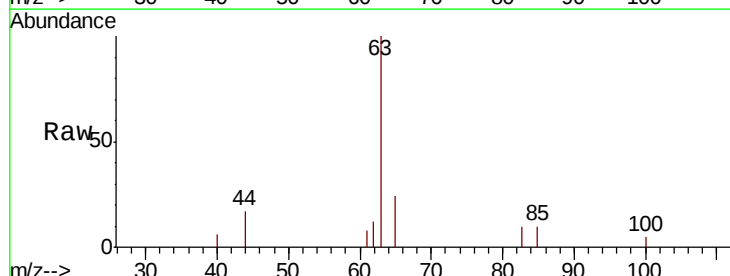


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

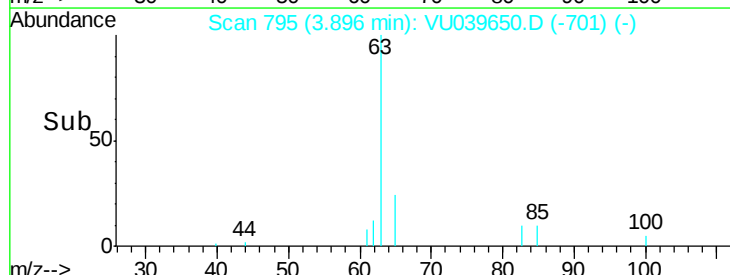
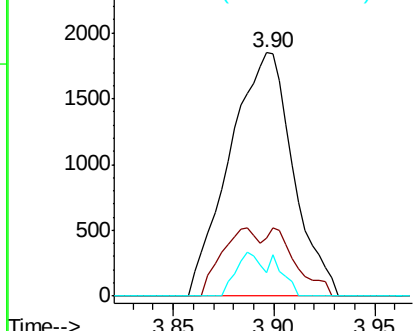


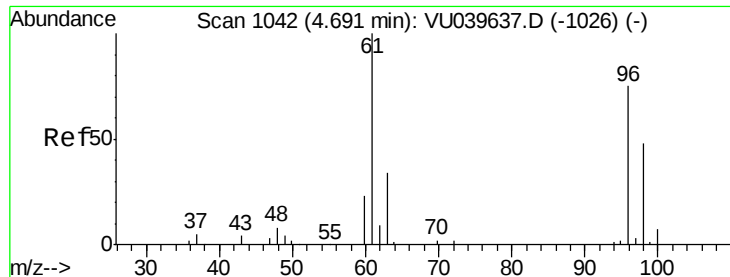
#19
1,1-Dichloroethane
Concen: 1.706 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 63 Resp: 4053
Ion Ratio Lower Upper
63 100
65 23.7 20.4 38.0
83 9.7 9.7 18.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0

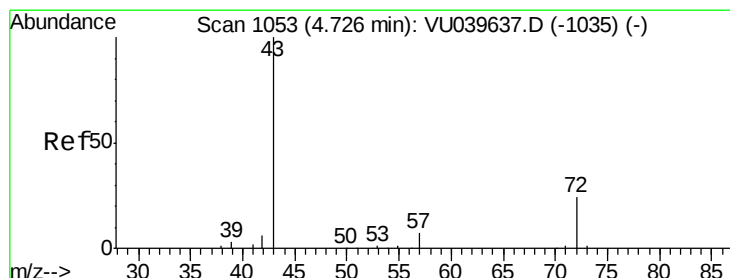
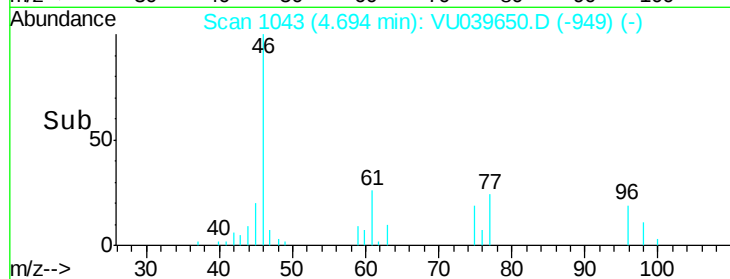
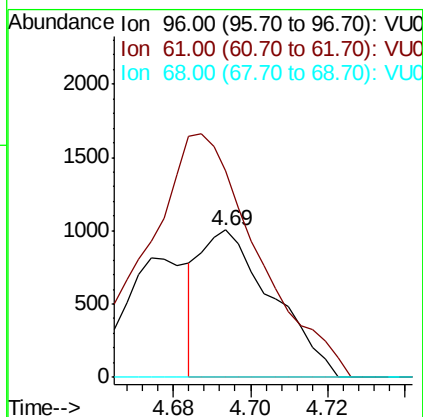
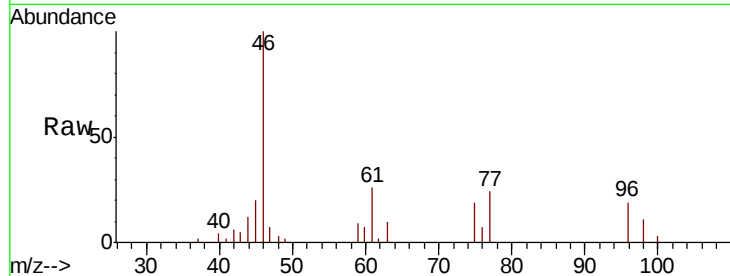




#20
 cis-1,2-Dichloroethene
 Concen: 0.929 ug/L
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

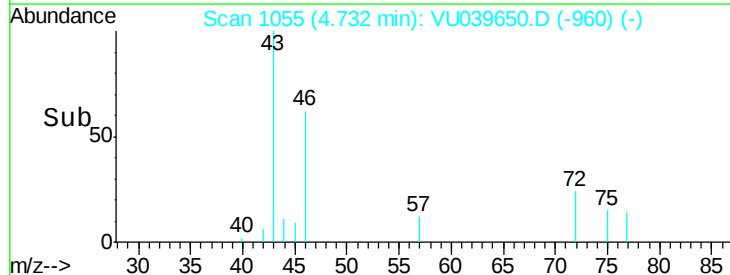
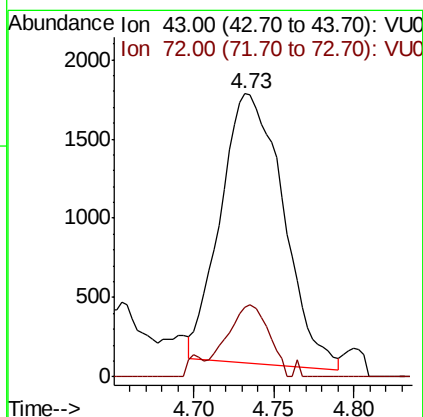
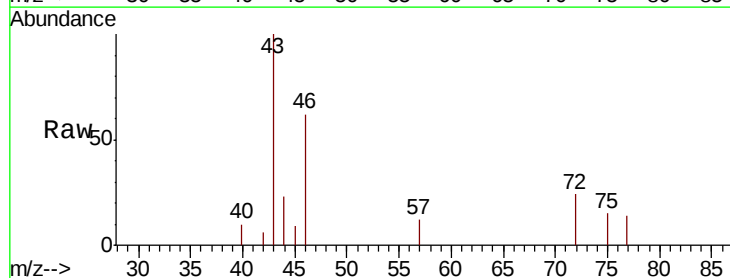
Instrument :
 MSVOA_U
 ClientSampled :

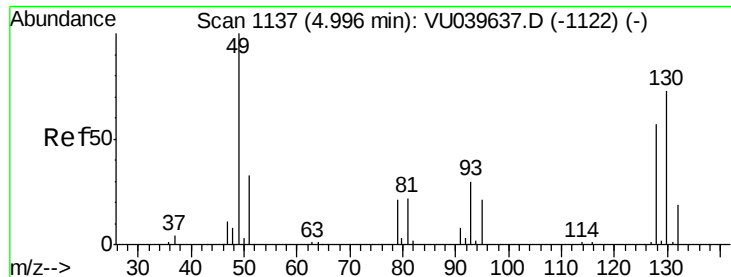
Tot Ion: 96 Resp: 1292
 Ion Ratio Lower Upper
 96 100
 61 139.8 94.0 174.6
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 3.378 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 43 Resp: 4567
 Ion Ratio Lower Upper
 43 100
 72 17.8 12.8 38.3

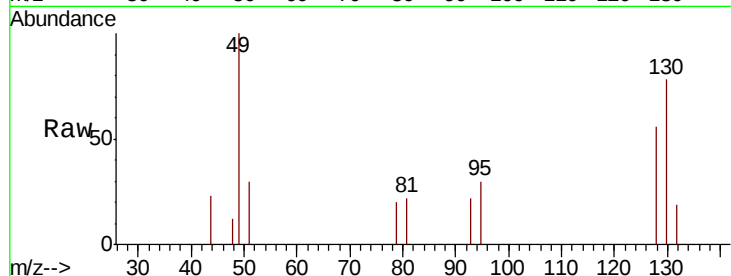




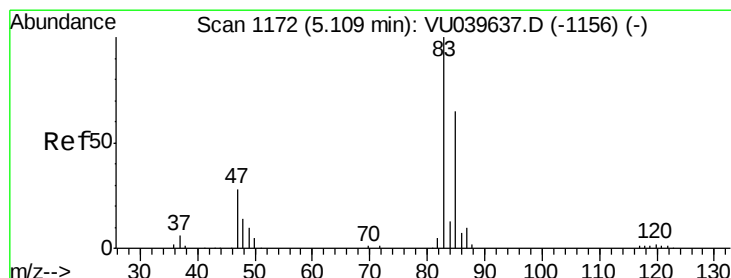
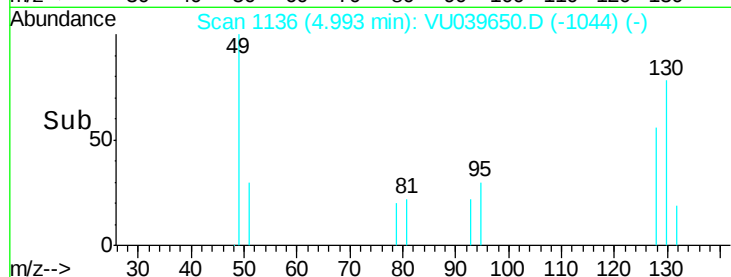
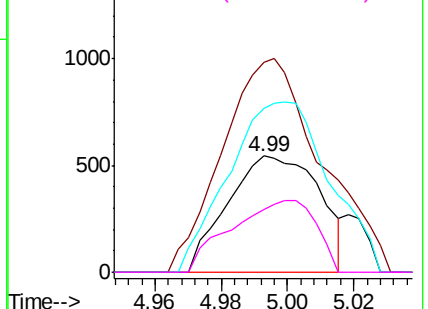
#23
Bromochloromethane
Concen: 1.502 ug/L
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1050
Ion Ratio Lower Upper
128 100
49 180.1 124.5 231.3
130 141.4 94.4 175.2
51 53.9 43.5 65.3

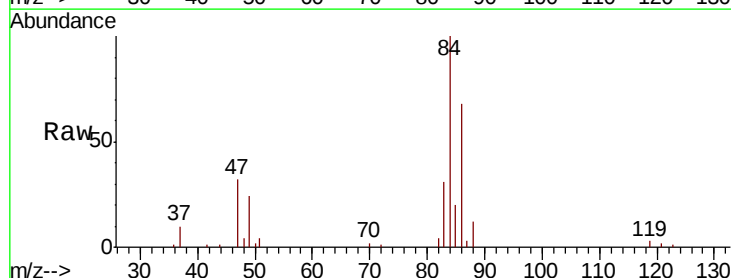


Abundance Ion 128.00 (127.70 to 128.70): VU039650.D (-1044) (-)
Ion 49.00 (48.70 to 49.70): VU039650.D (-1044) (-)
Ion 130.00 (129.70 to 130.70): VU039650.D (-1044) (-)
Ion 51.00 (50.70 to 51.70): VU039650.D (-1044) (-)

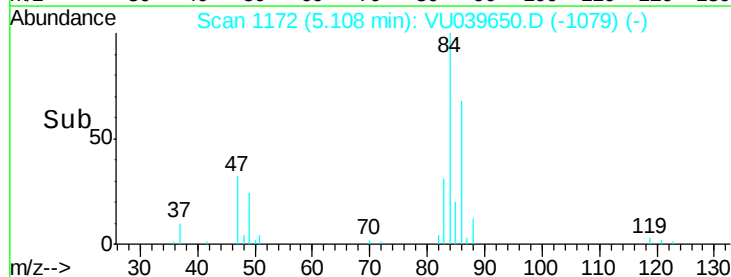
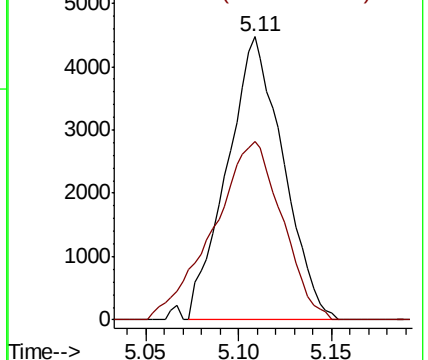


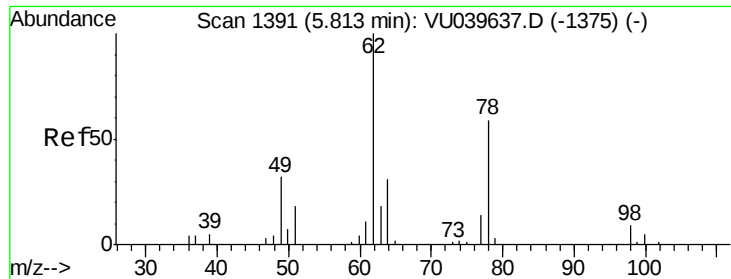
#25
Chloroform
Concen: 3.576 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 83 Resp: 9425
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU039650.D (-1079) (-)
Ion 85.00 (84.70 to 85.70): VU039650.D (-1079) (-)

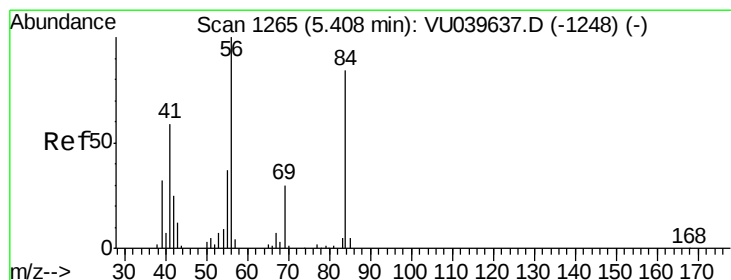
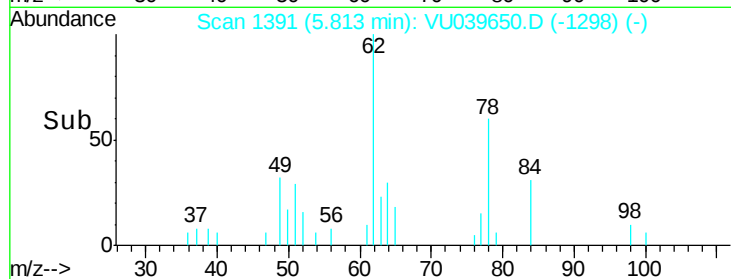
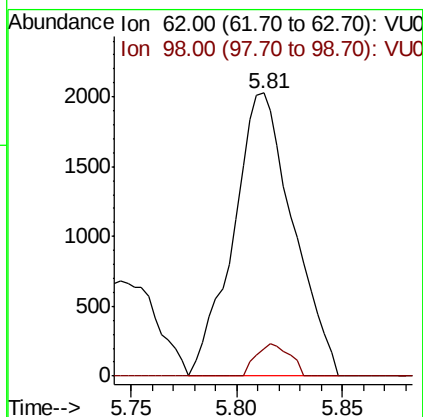
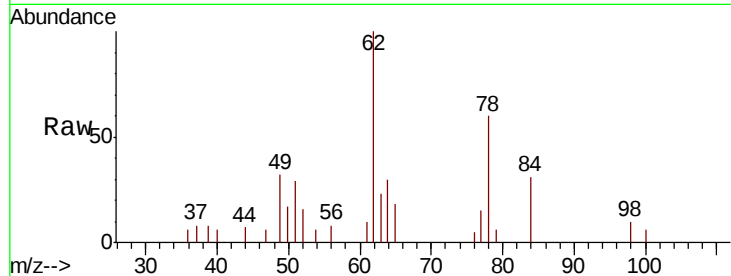




#27
 1,2-Dichloroethane
 Concen: 1.822 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

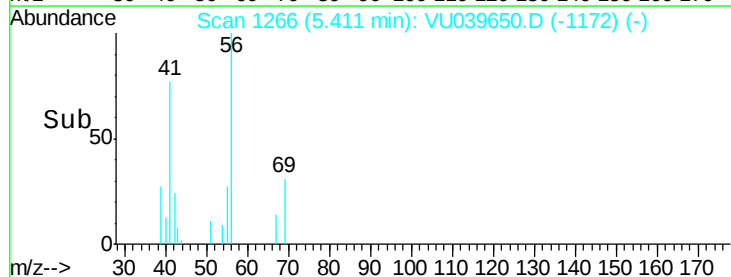
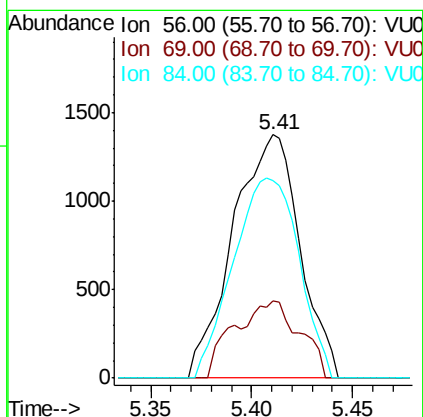
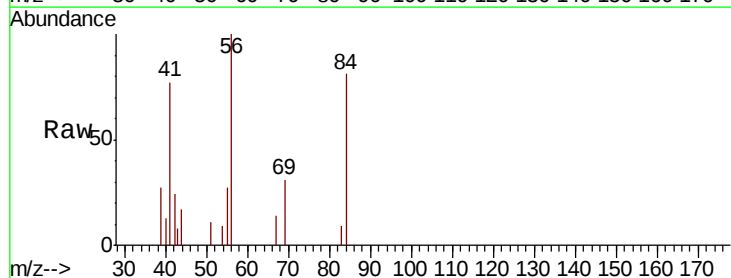
Instrument :
 MSVOA_U
 ClientSampleId :

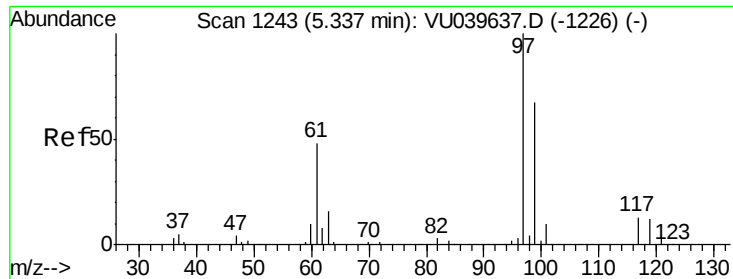
Tot Ion: 62 Resp: 3982
 Ion Ratio Lower Upper
 62 100
 98 9.9 6.4 9.6#



#29
 Cyclohexane
 Concen: 1.579 ug/L
 RT: 5.41 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 56 Resp: 3173
 Ion Ratio Lower Upper
 56 100
 69 9.7 23.9 35.9#
 84 80.7 65.8 98.8

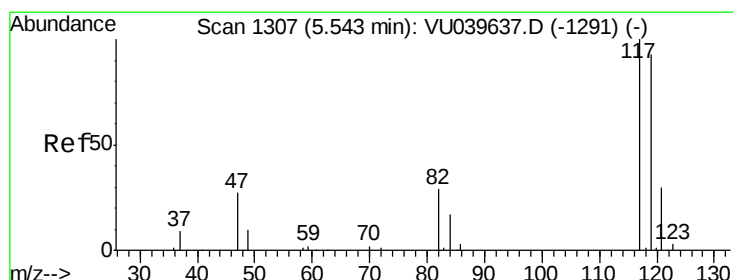
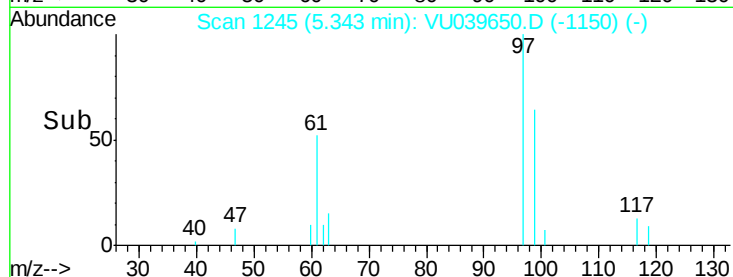
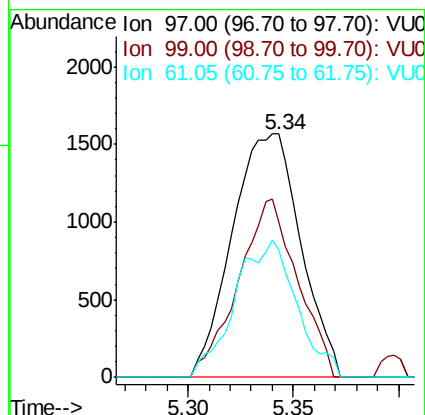
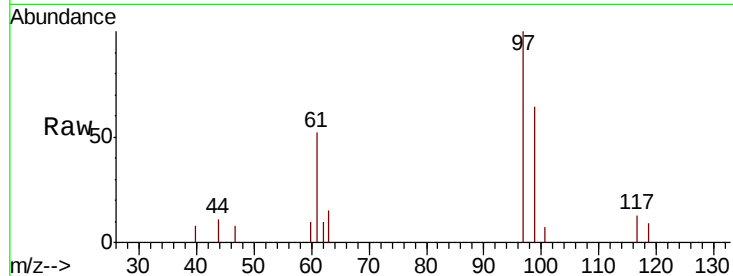




#30
 1,1,1-Trichloroethane
 Concen: 1.600 ug/L
 RT: 5.34 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

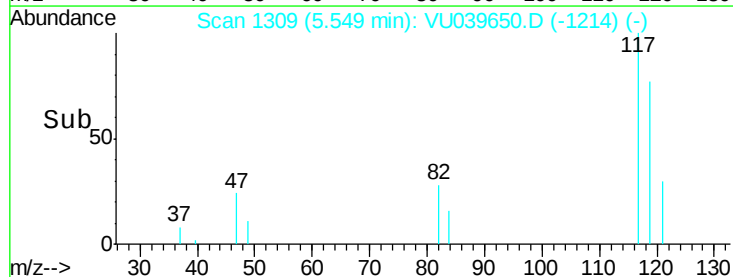
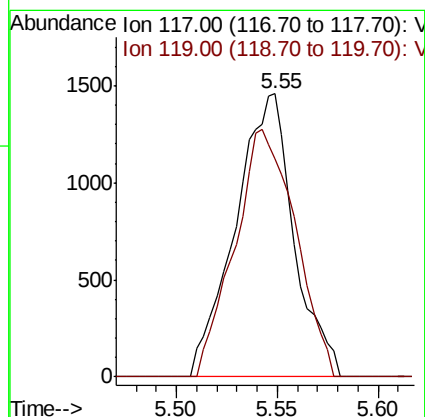
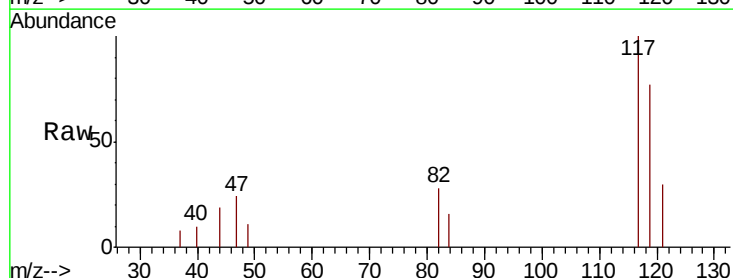
Instrument :
 MSVOA_U
 ClientSampleId :

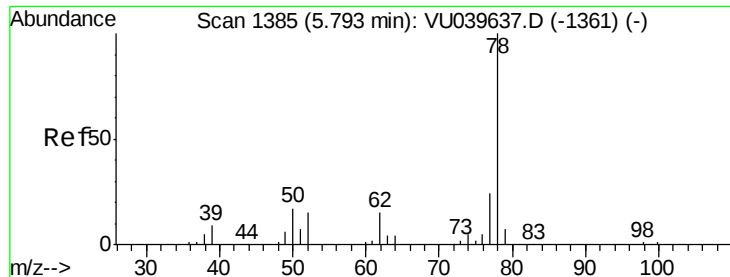
Tot Ion: 97 Resp: 3543
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.3 75.5
 61 27.7 36.0 54.0#



#31
 Carbon tetrachloride
 Concen: 1.612 ug/L
 RT: 5.55 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 117 Resp: 2960
 Ion Ratio Lower Upper
 117 100
 119 90.5 78.2 117.4

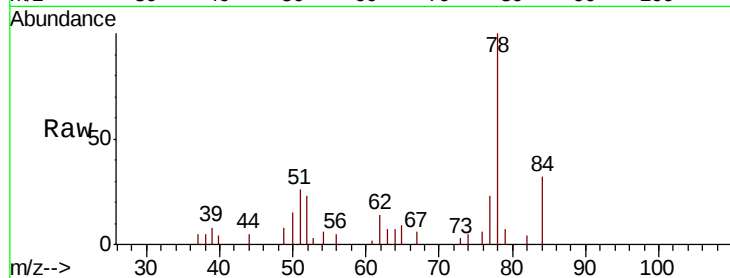




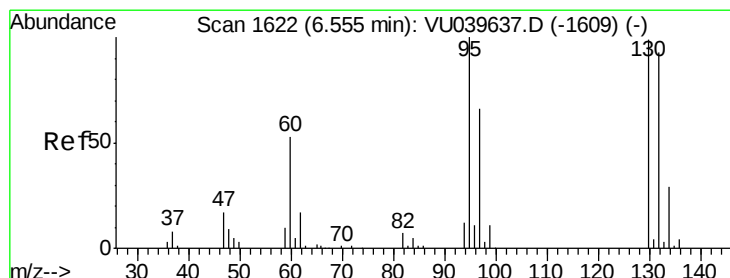
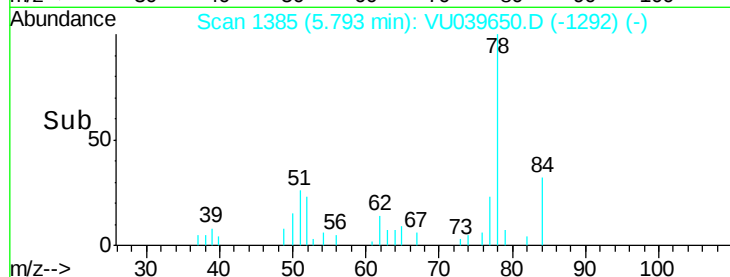
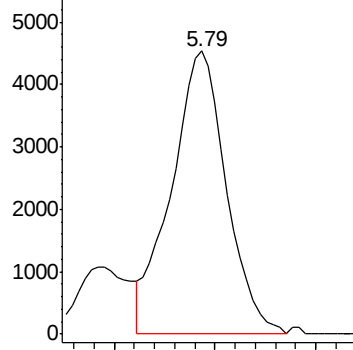
#33
Benzene
Concen: 1.690 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 8611

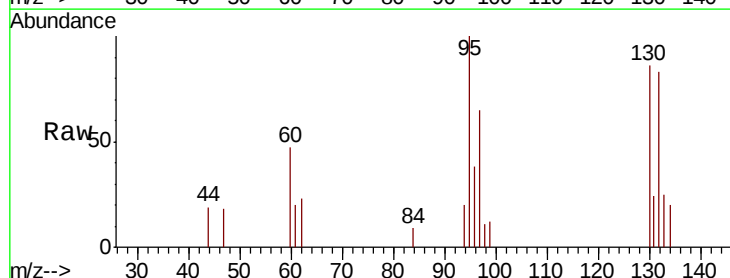


Abundance Ion 78.00 (77.70 to 78.70): VU0



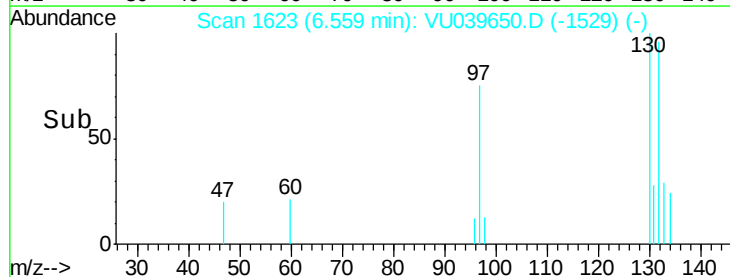
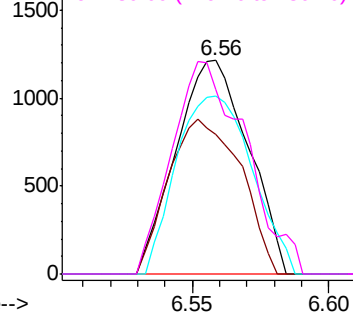
#34
Trichloroethene
Concen: 1.656 ug/L
RT: 6.56 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

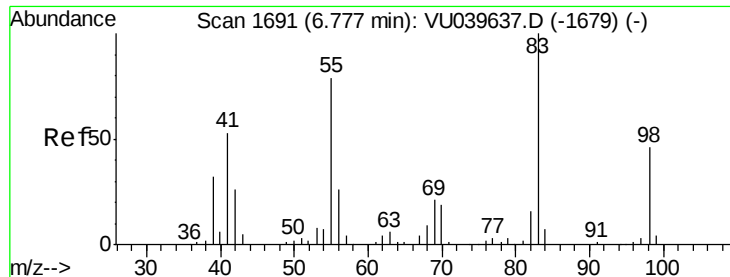
Tgt Ion: 95 Resp: 2232
Ion Ratio Lower Upper
95 100
97 65.1 45.5 84.5
132 83.2 65.0 120.6
130 86.4 67.9 126.1



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): VU0
Ion 130.00 (129.70 to 130.70): VU0

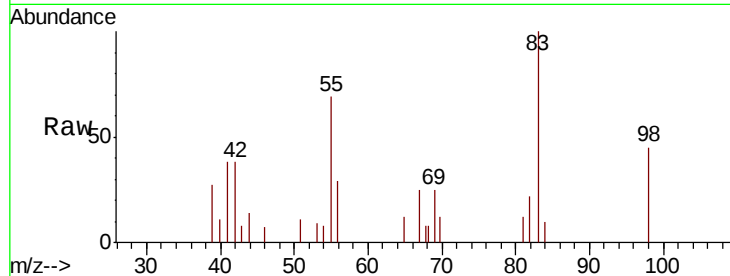




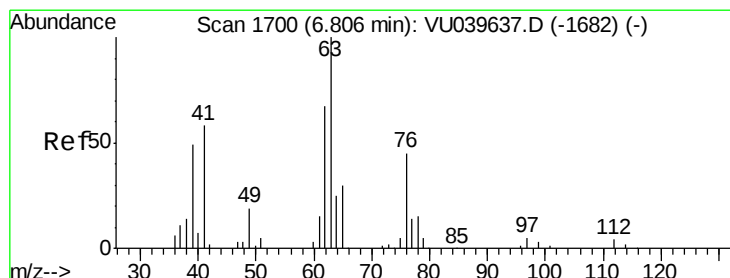
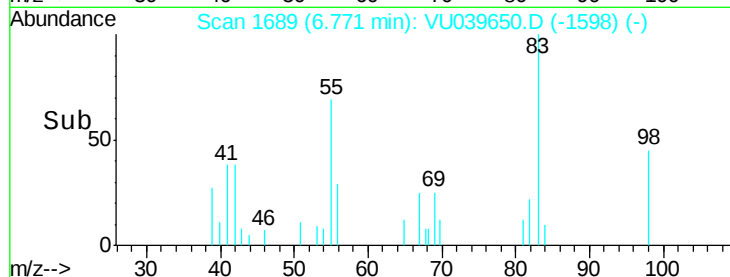
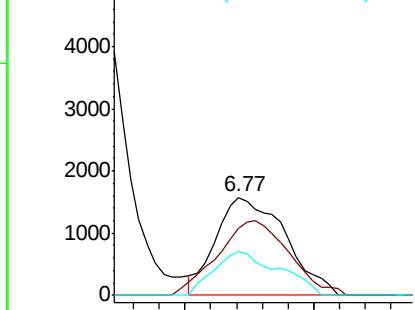
#35
Methylcyclohexane
Concen: 1.417 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 2954
Ion Ratio Lower Upper
83 100
55 77.5 62.9 94.3
98 31.7 36.3 54.5#

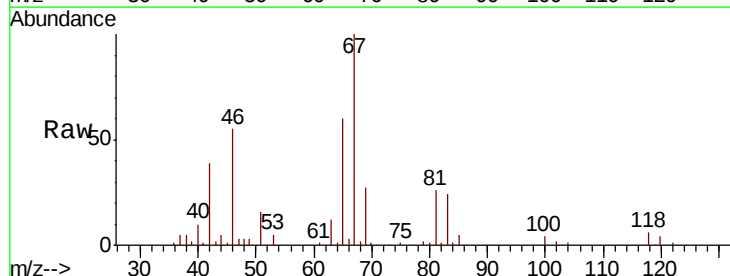


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

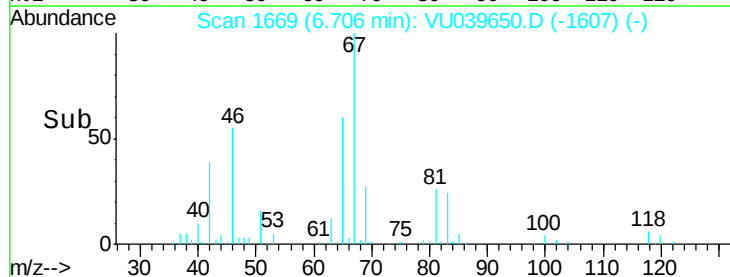
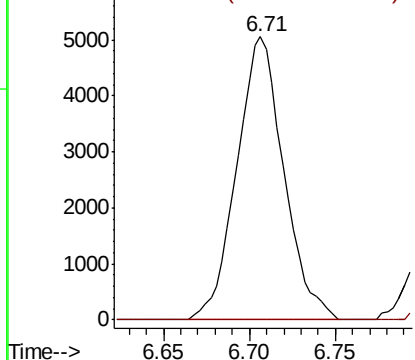


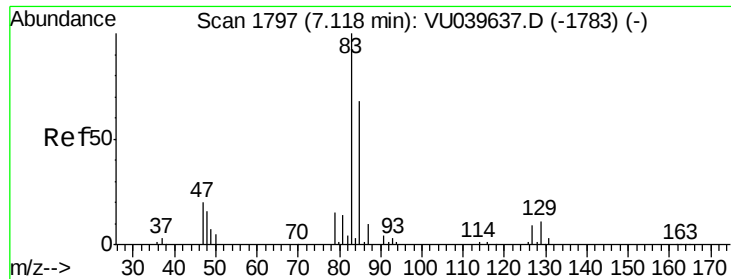
#37
1,2-Dichloropropane
Concen: 6.956 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 63 Resp: 9598
Ion Ratio Lower Upper
63 100
112 0.5 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

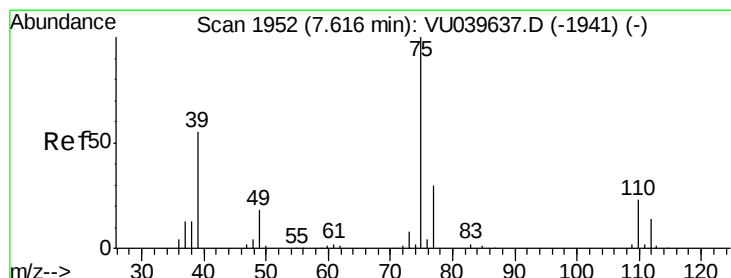
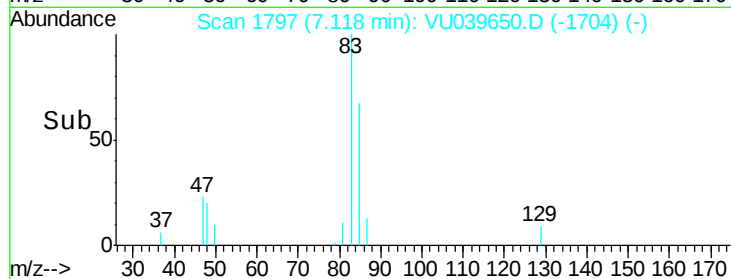
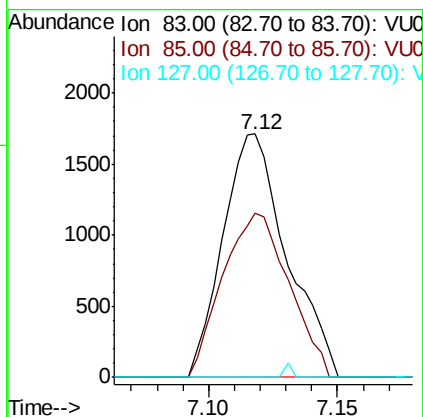
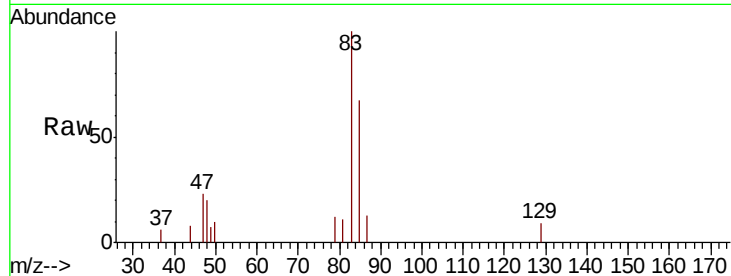




#38
 Bromodichloromethane
 Concen: 1.610 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

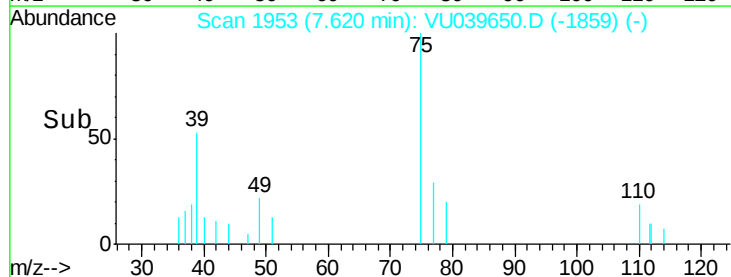
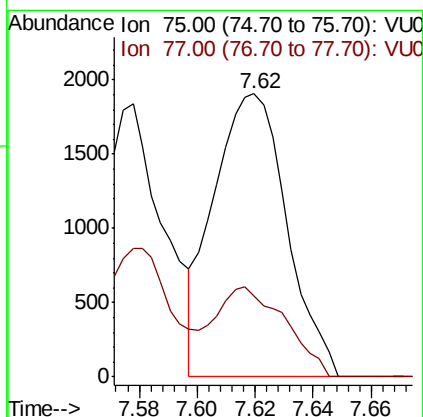
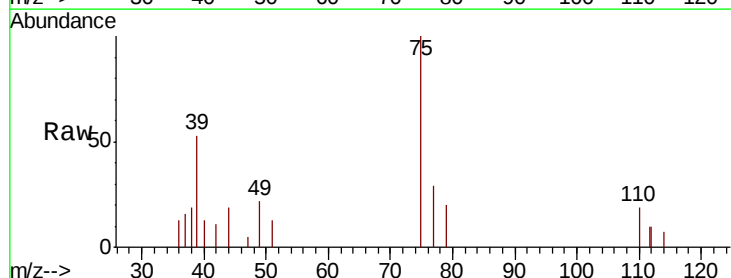
Instrument :
 MSVOA_U
 ClientSampleId :

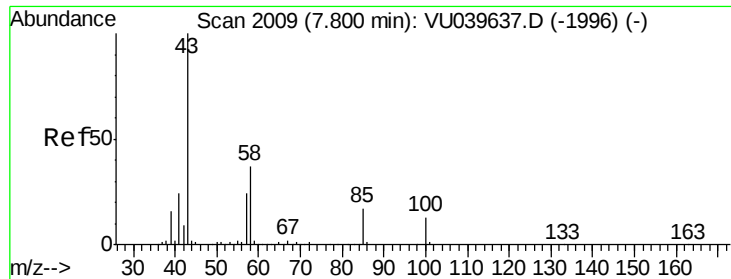
Tot Ion: 83 Resp: 2950
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.9 85.3
 127 0.0 7.4 11.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.620 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 75 Resp: 3341
 Ion Ratio Lower Upper
 75 100
 77 28.8 21.8 40.6

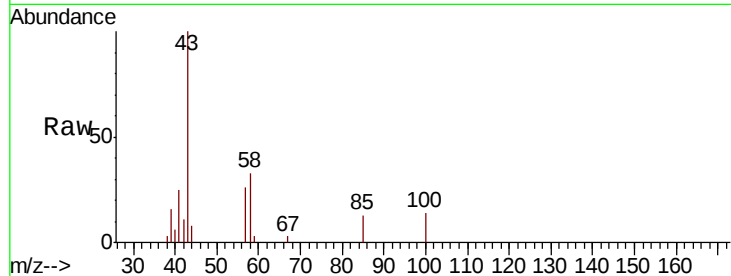




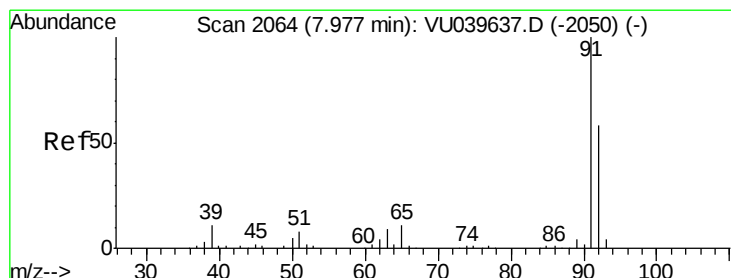
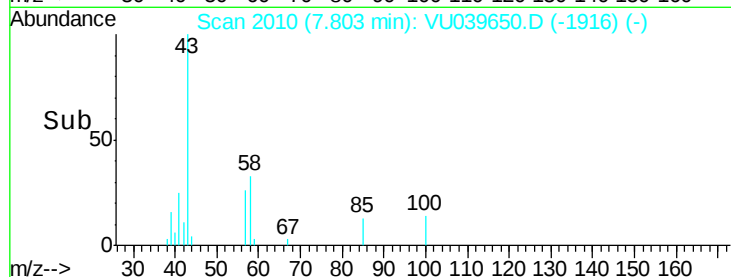
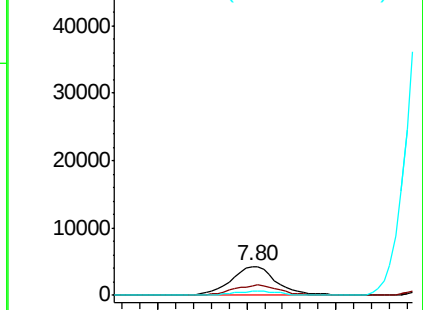
#40
4-Methyl-2-pentanone
Concen: 3.156 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7586
Ion Ratio Lower Upper
43 100
58 36.2 29.1 43.7
100 13.6 10.6 16.0

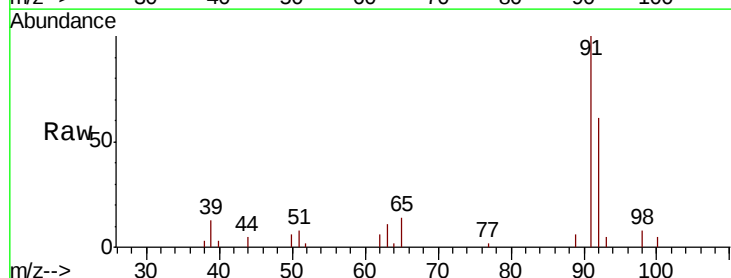


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

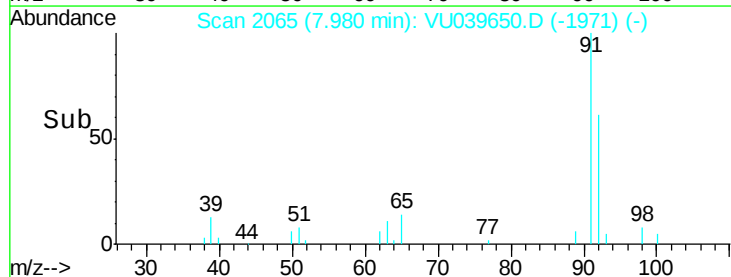
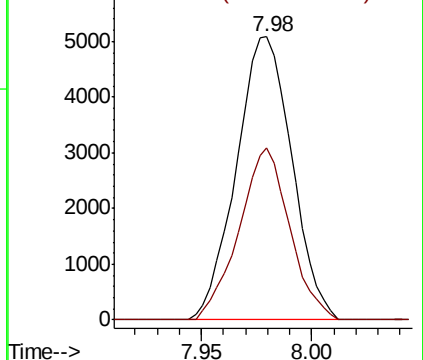


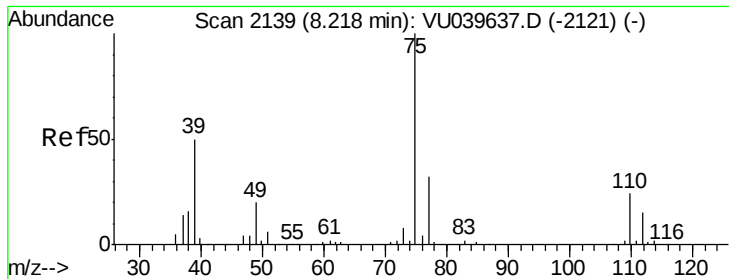
#42
Toluene
Concen: 1.582 ug/L
RT: 7.98 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 91 Resp: 8868
Ion Ratio Lower Upper
91 100
92 61.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.630 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

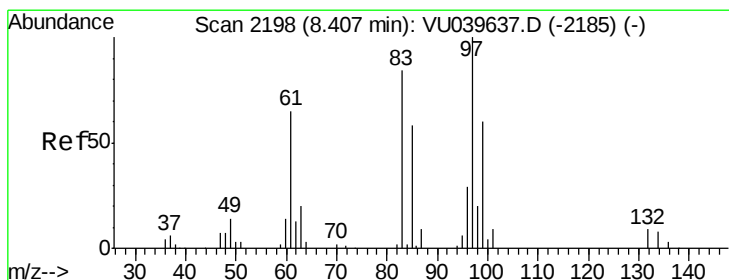
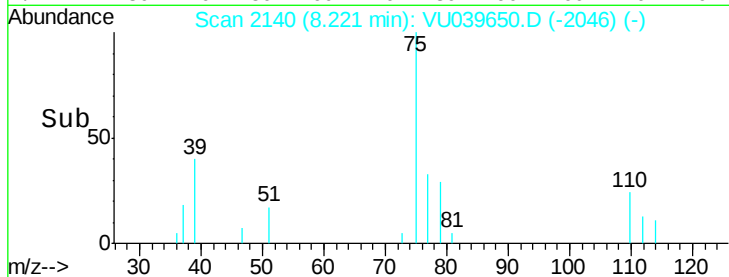
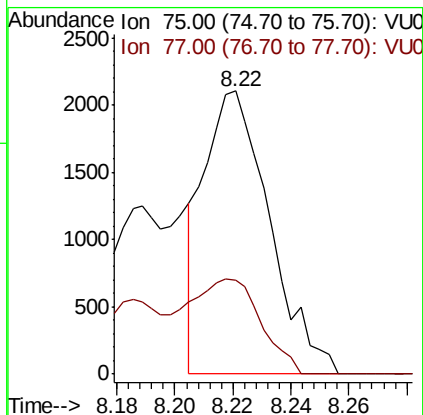
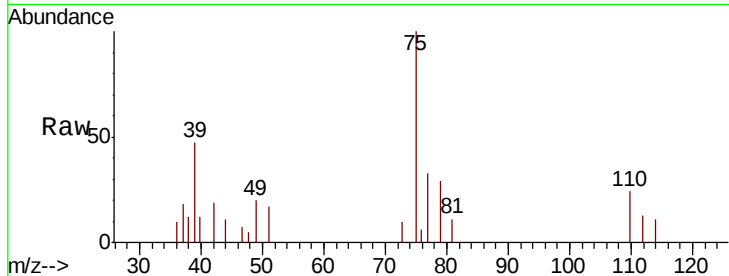
ClientSampleId :

Tot Ion: 75 Resp: 3292

Ion Ratio Lower Upper

75 100

77 33.4 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 1.585 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Tgt Ion: 97 Resp: 2085

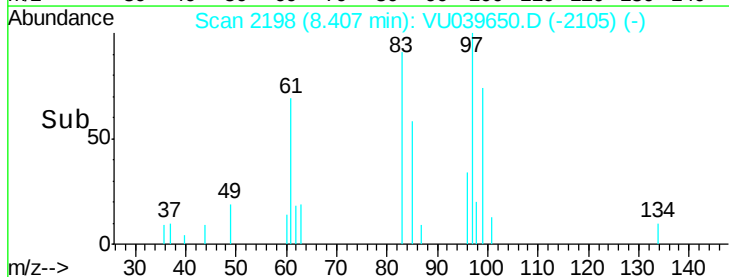
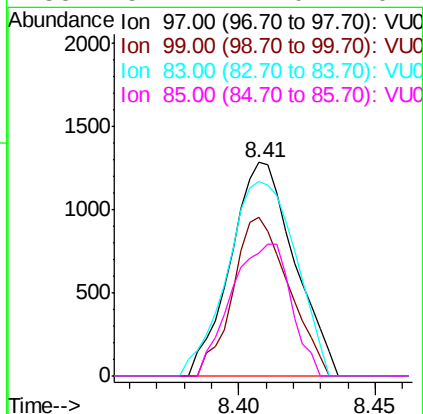
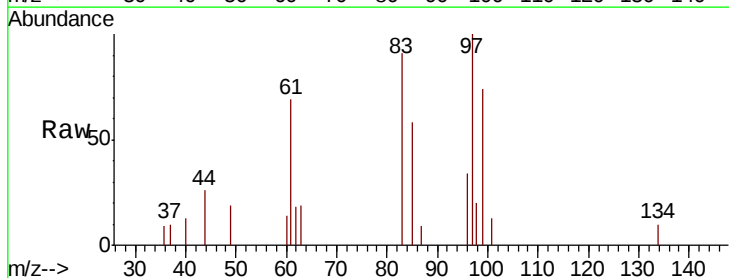
Ion Ratio Lower Upper

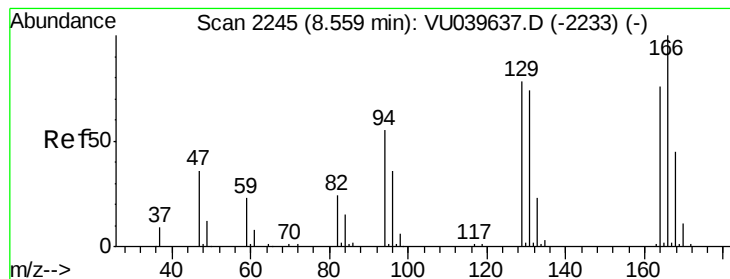
97 100

99 74.1 45.1 83.9

83 91.0 62.7 116.5

85 57.7 41.0 76.2





#46

Tetrachloroethene

Concen: 1.591 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1622

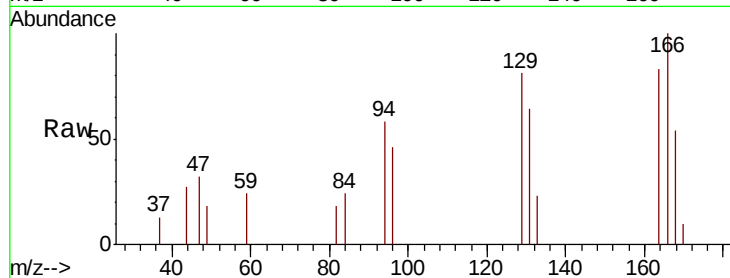
Ion Ratio Lower Upper

164 100

129 97.3 71.1 132.1

131 76.2 70.3 130.5

166 119.9 87.8 163.0

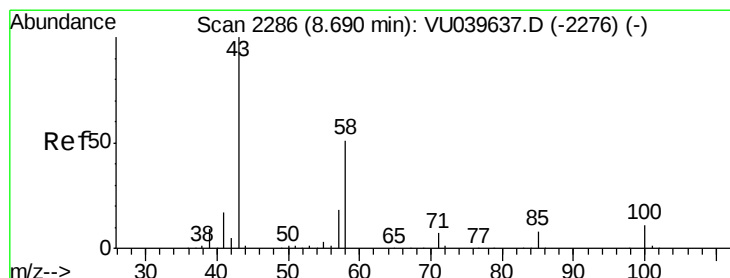
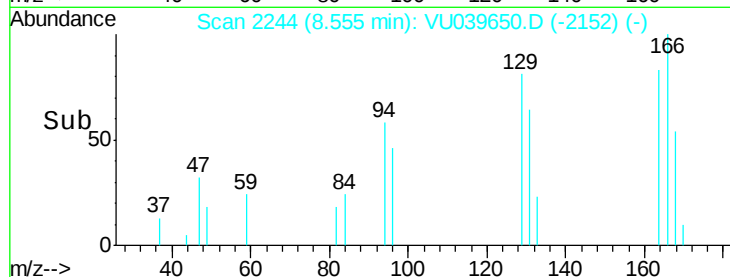
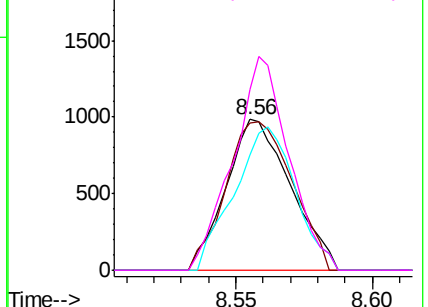


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.374 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Tgt Ion: 43 Resp: 10526

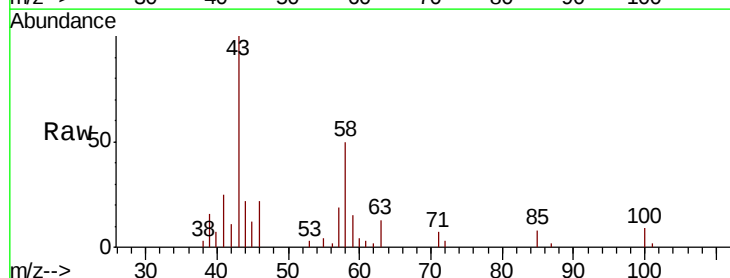
Ion Ratio Lower Upper

43 100

58 50.4 40.6 61.0

57 19.1 14.5 21.7

100 9.6 8.0 12.0

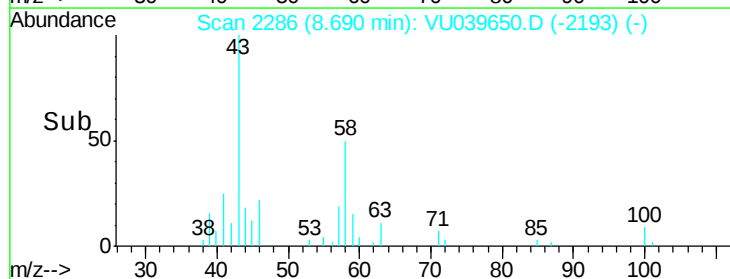
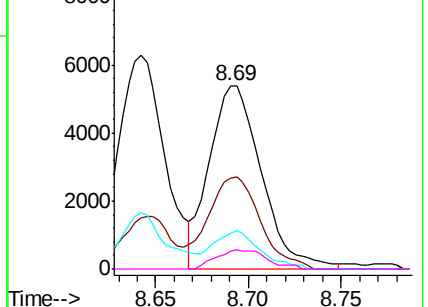


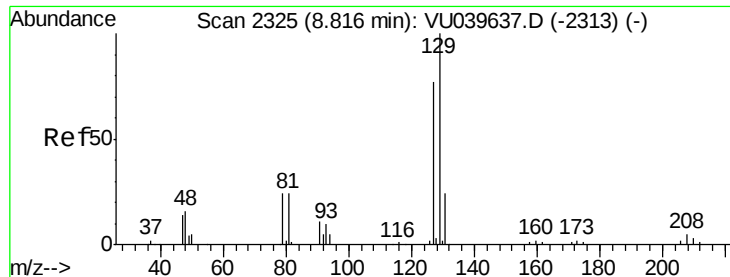
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 1.556 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

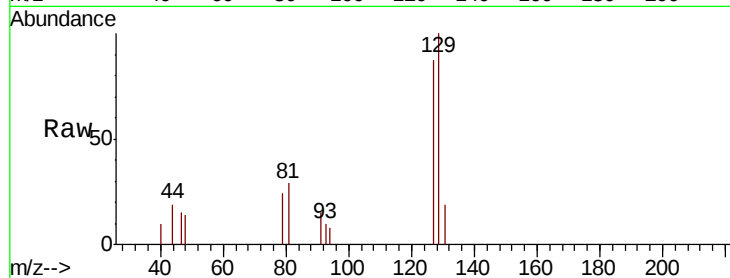
ClientSampleId :

Tot Ion:129 Resp: 2312

Ion Ratio Lower Upper

129 100

127 87.5 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.82

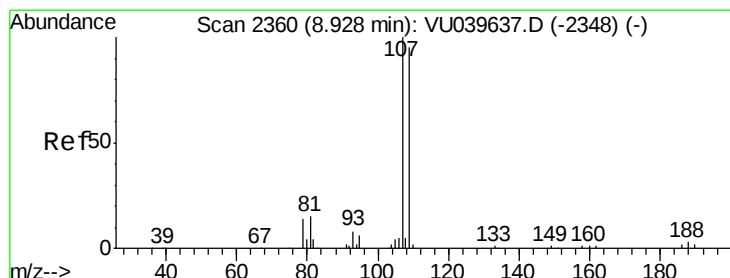
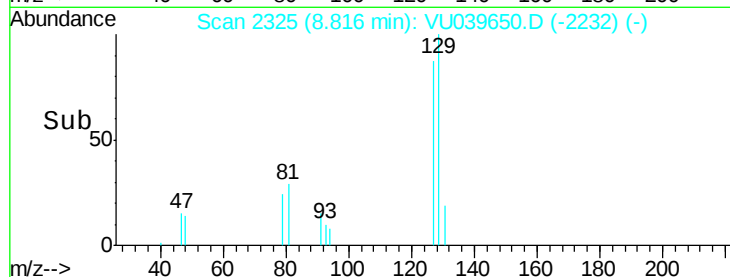
1500

1000

500

0

Time-->



#50

1,2-Dibromoethane

Concen: 1.665 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

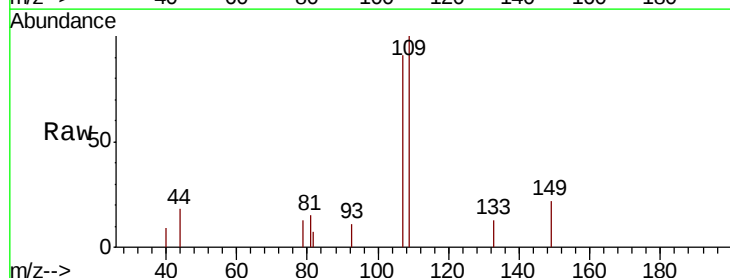
Tgt Ion:107 Resp: 2438

Ion Ratio Lower Upper

107 100

109 110.5 66.8 124.2

188 0.0 3.0 4.4#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

2000

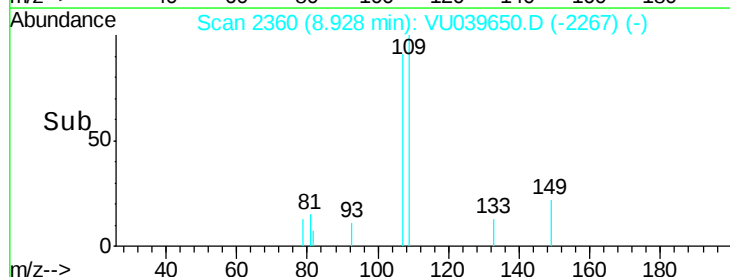
1500

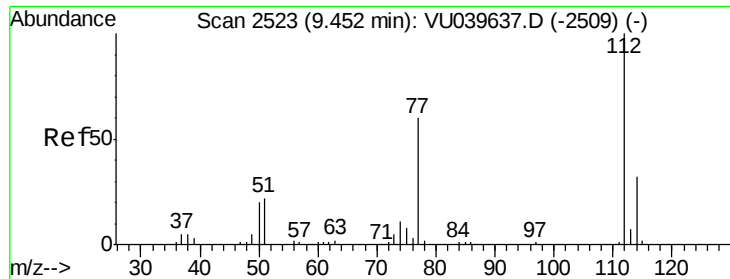
1000

500

0

Time-->





#51

Chlorobenzene

Concen: 1.606 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

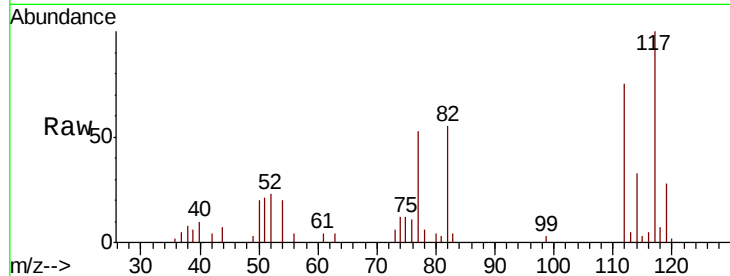
Tot Ion:112 Resp: 5743

Ion Ratio Lower Upper

112 100

114 43.3 22.9 42.5#

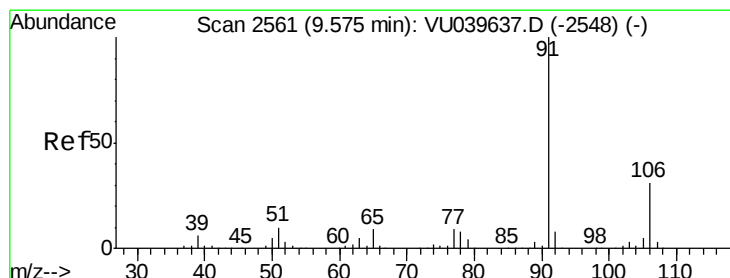
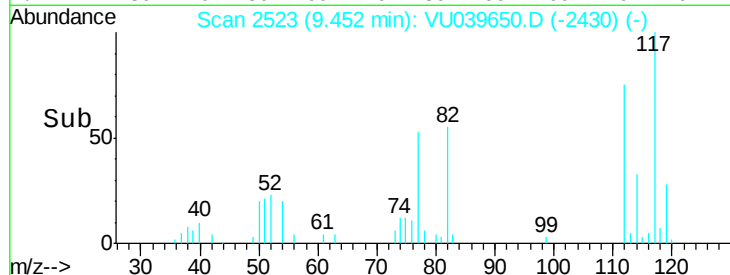
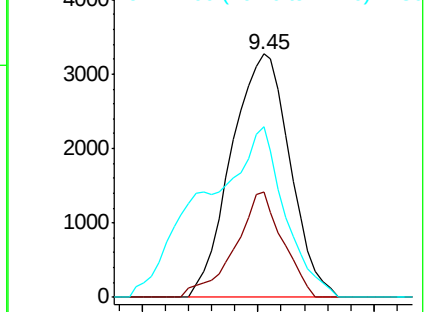
77 70.0 49.4 74.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.486 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039650.D

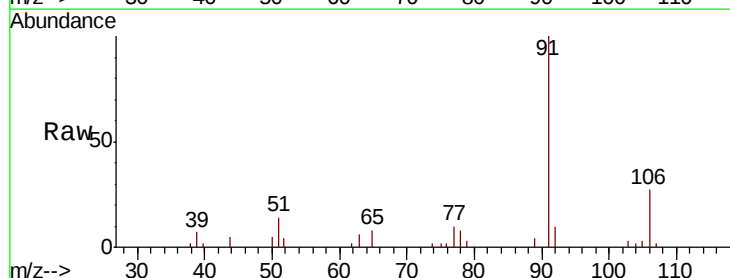
Acq: 23 Jul 2020 20:31

Tgt Ion: 91 Resp: 9201

Ion Ratio Lower Upper

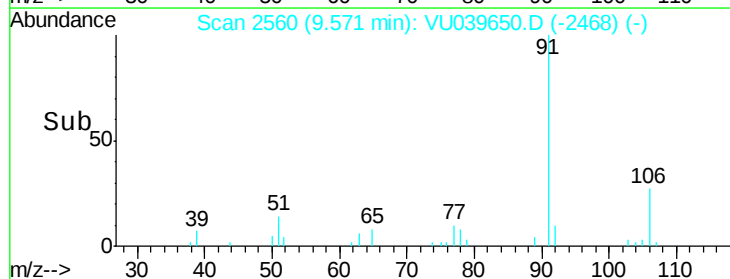
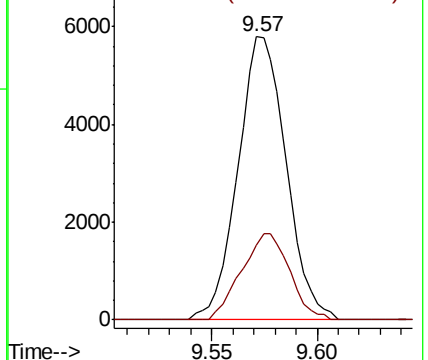
91 100

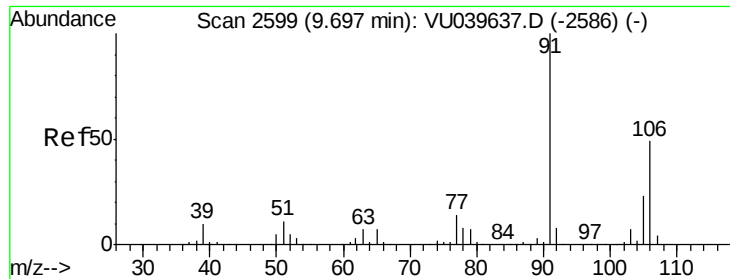
106 26.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.569 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

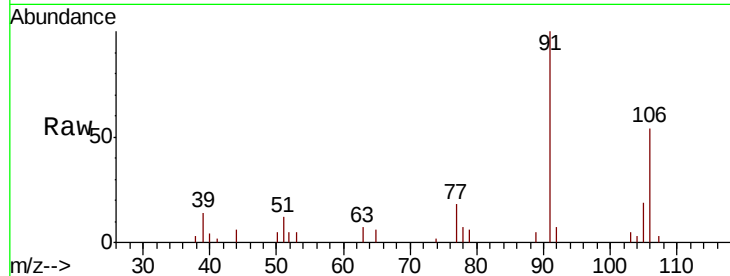
ClientSampleId :

Tot Ion:106 Resp: 3663

Ion Ratio Lower Upper

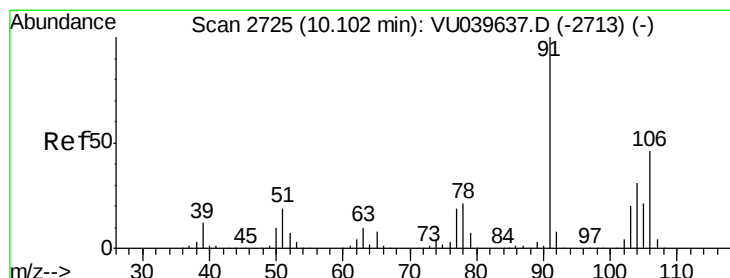
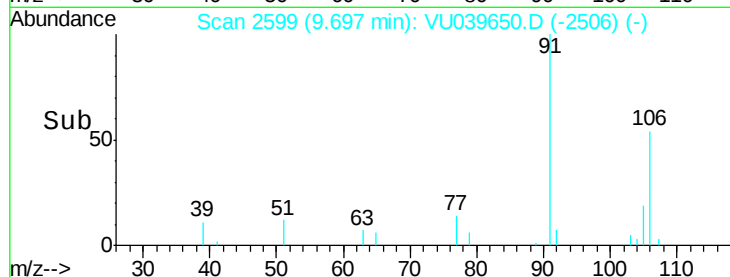
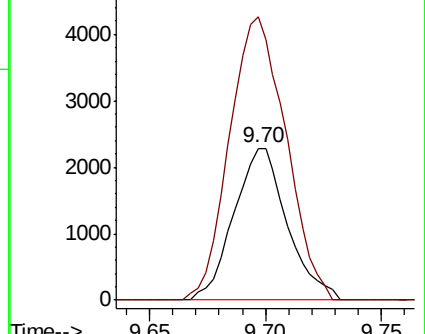
106 100

91 186.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.576 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039650.D

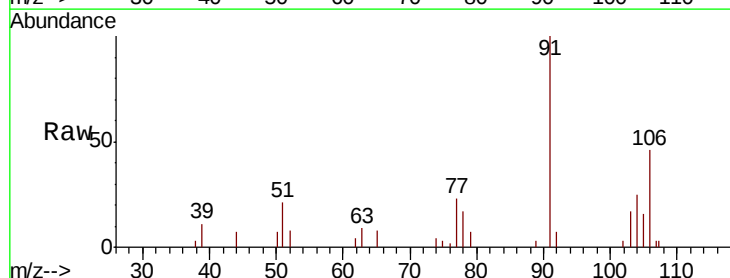
Acq: 23 Jul 2020 20:31

Tgt Ion:106 Resp: 3530

Ion Ratio Lower Upper

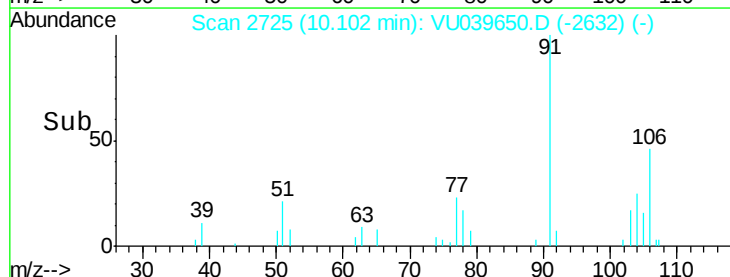
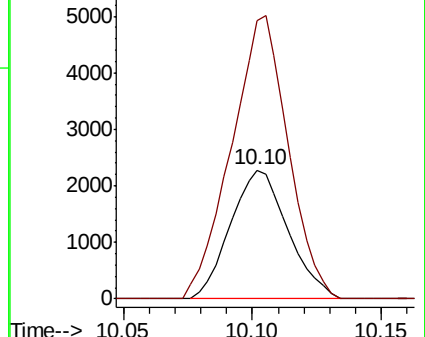
106 100

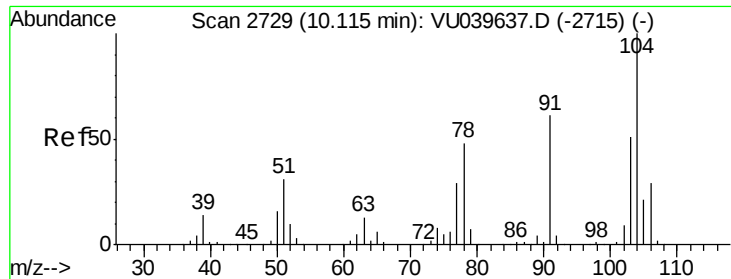
91 215.3 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

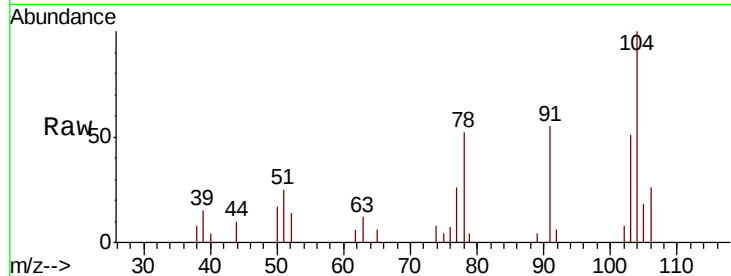




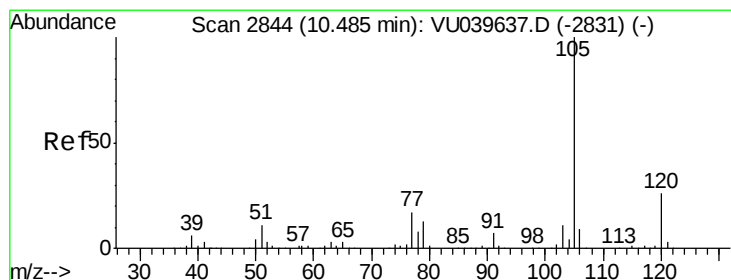
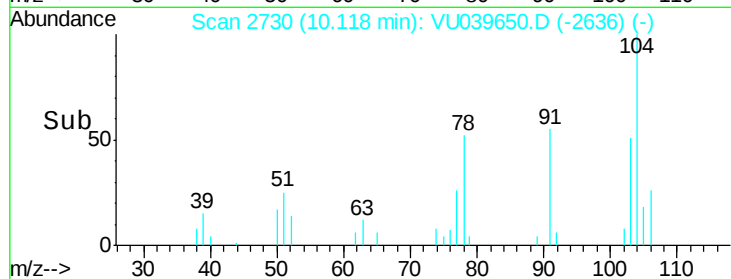
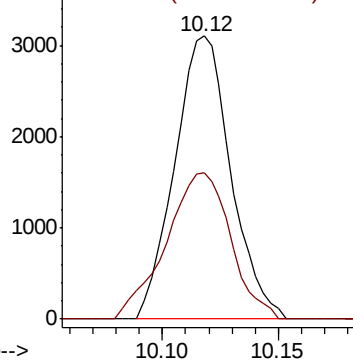
#55
Stvrene
Concen: 1.346 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:104 Resp: 5219
Ion Ratio Lower Upper
104 100
78 51.7 34.3 63.7

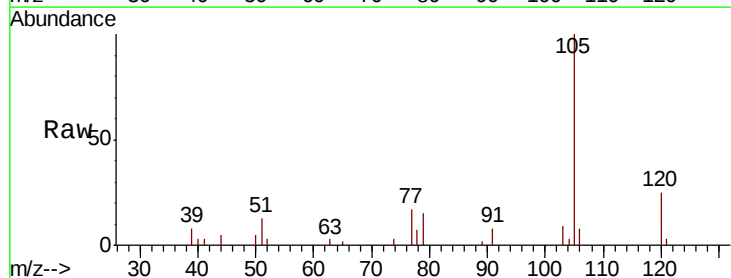


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

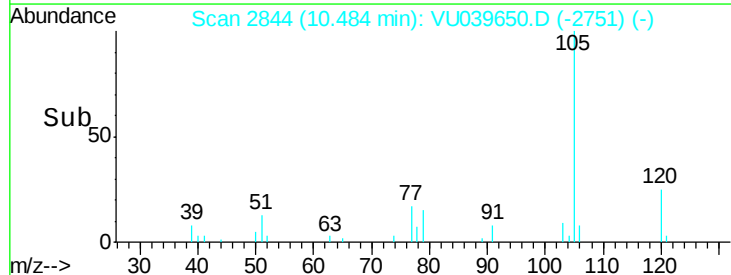
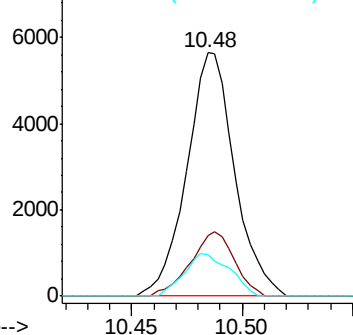


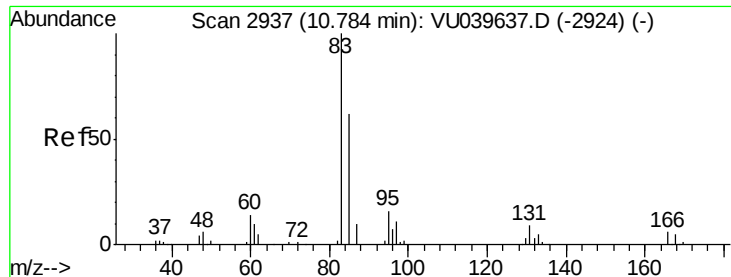
#56
Isopropylbenzene
Concen: 1.396 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039650.D
Acq: 23 Jul 2020 20:31

Tgt Ion:105 Resp: 8489
Ion Ratio Lower Upper
105 100
120 24.2 20.6 31.0
77 16.7 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.667 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

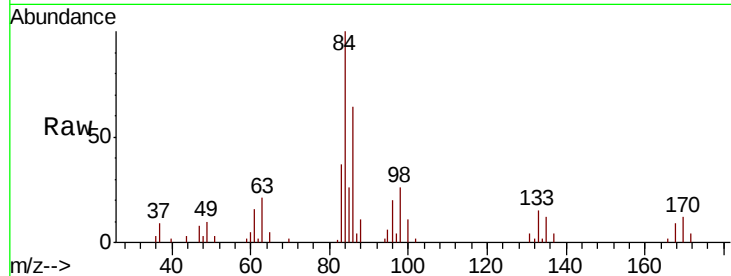
Tot Ion: 83 Resp: 3998

Ion Ratio Lower Upper

83 100

85 70.7 46.4 86.2

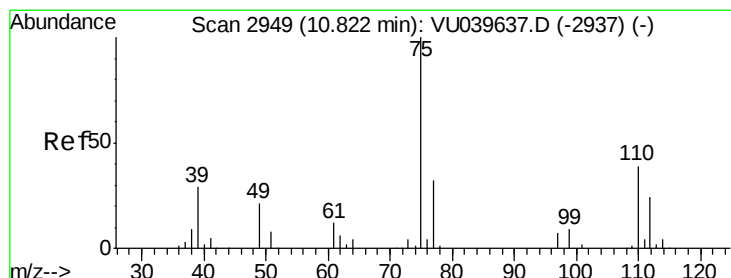
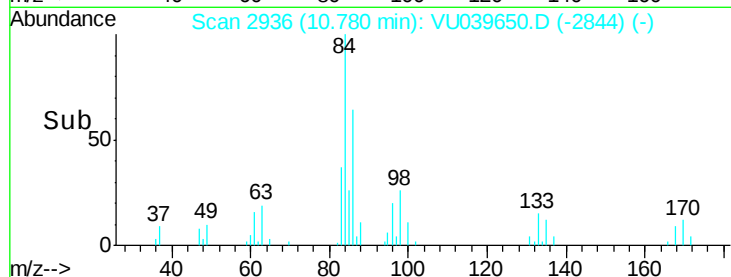
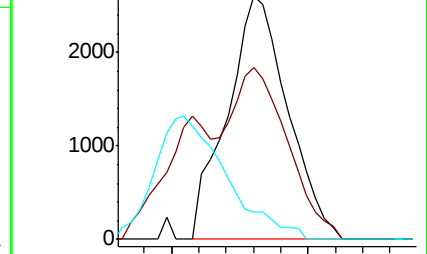
131 11.5 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU039637.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU039637.D (-2924) (-)

Ion 131.00 (130.70 to 131.70): VU039637.D (-2924) (-)



#59

1,2,3-Trichloropropane

Concen: 1.720 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039650.D

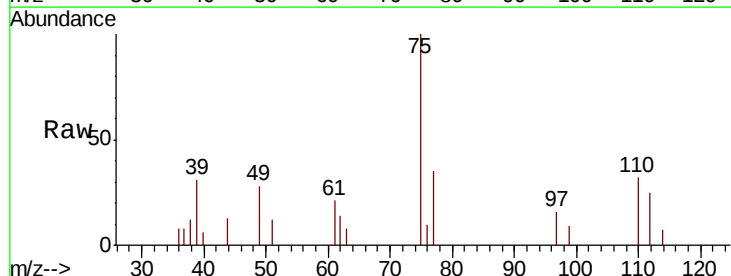
Acq: 23 Jul 2020 20:31

Tgt Ion: 75 Resp: 3444

Ion Ratio Lower Upper

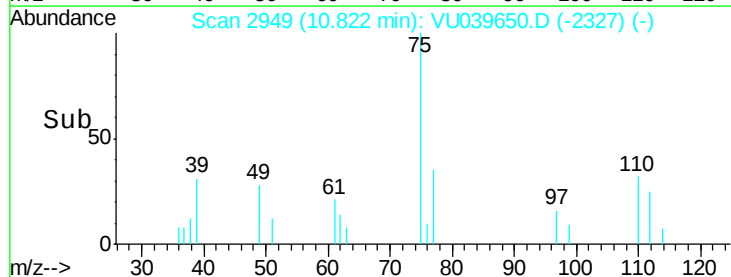
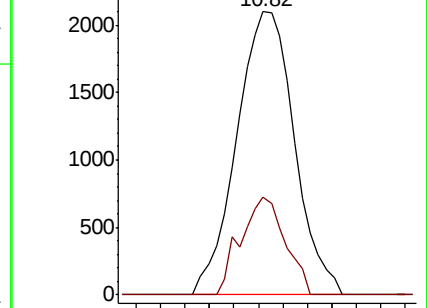
75 100

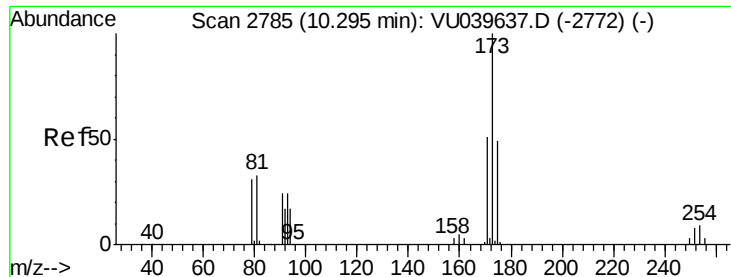
77 26.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2937) (-)





#61

Bromoform

Concen: 1.430 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

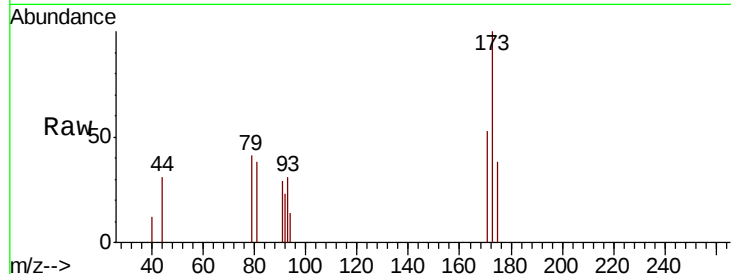
Tot Ion:173 Resp: 1437

Ion Ratio Lower Upper

173 100

175 32.3 38.4 57.6#

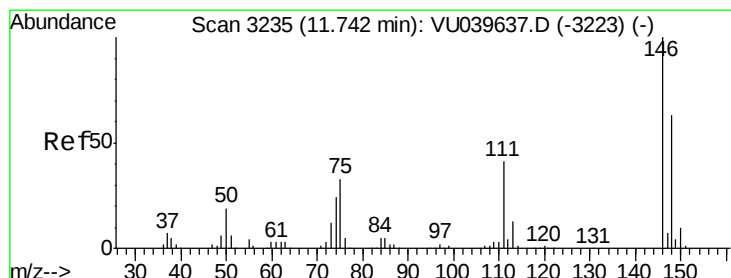
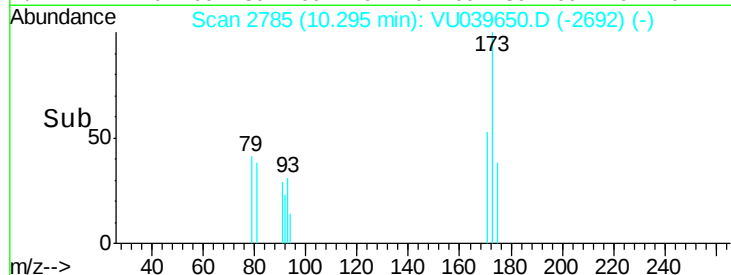
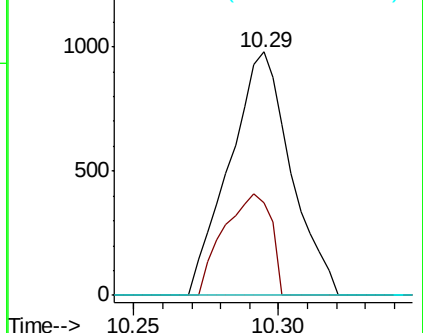
254 0.0 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 1.544 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

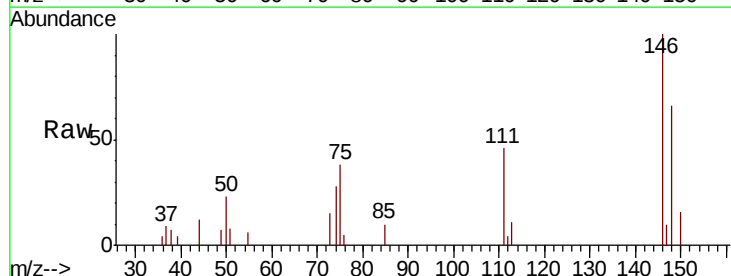
Tgt Ion:146 Resp: 4018

Ion Ratio Lower Upper

146 100

111 46.3 29.3 54.3

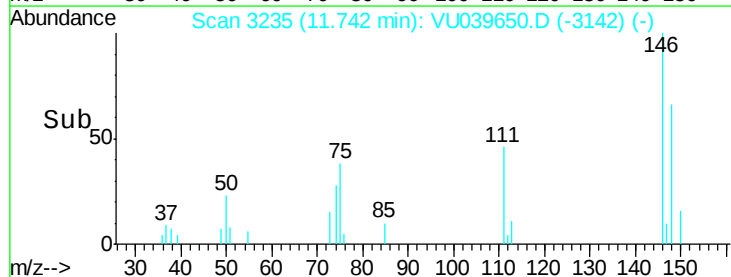
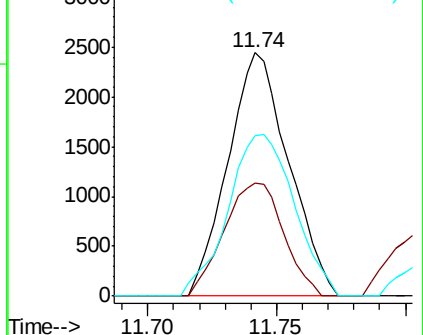
148 66.0 46.1 85.5

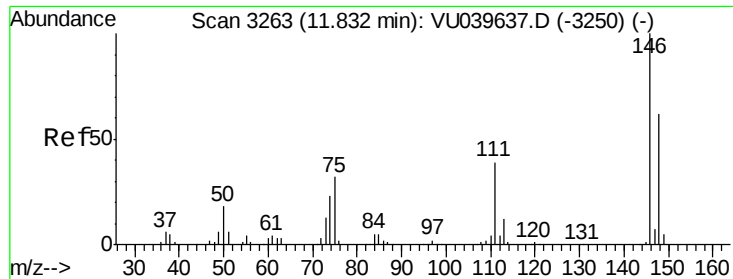


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.728 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039650.D

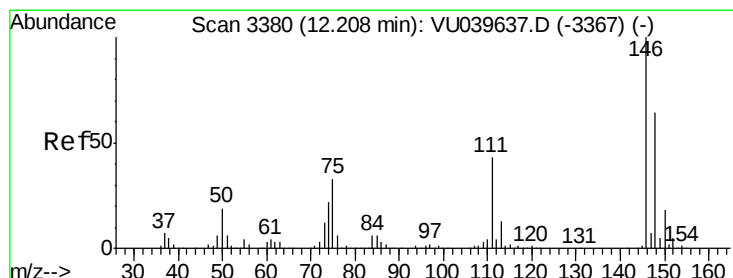
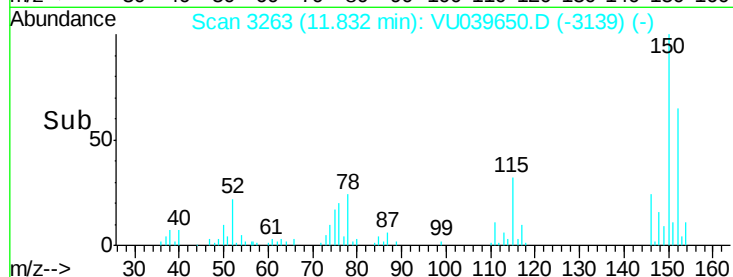
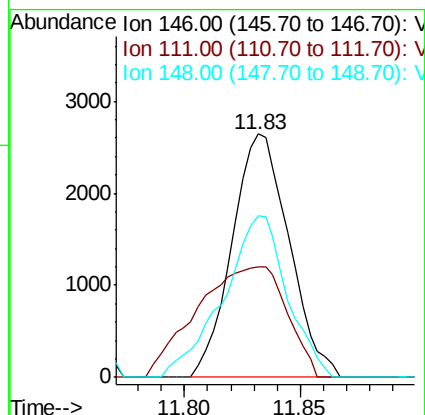
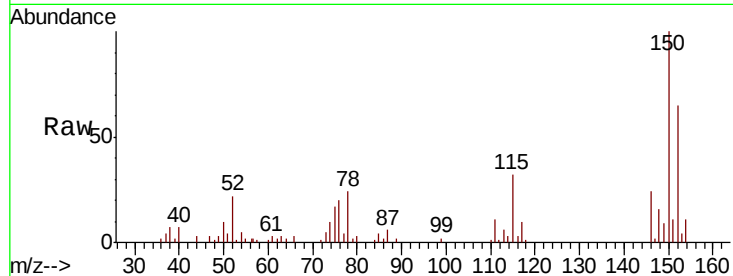
Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	4503
Ion	Ratio	Lower Upper
146	100	
111	45.5	27.8 51.6
148	66.4	44.7 83.1



#65

1,2-Dichlorobenzene

Concen: 1.735 ug/L

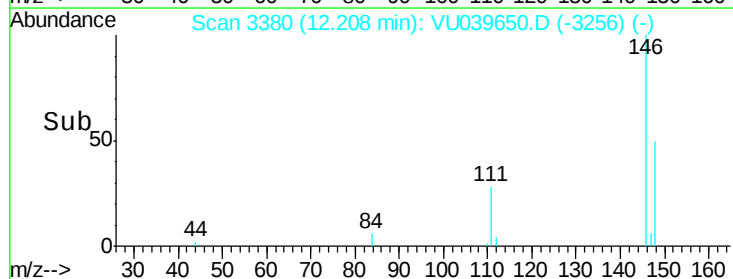
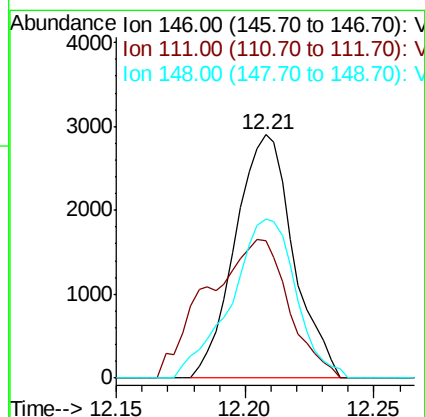
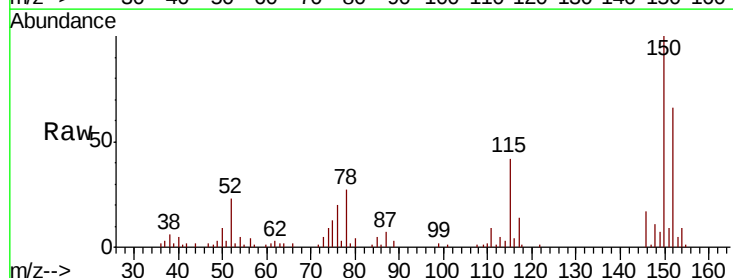
RT: 12.21 min Scan# 3380

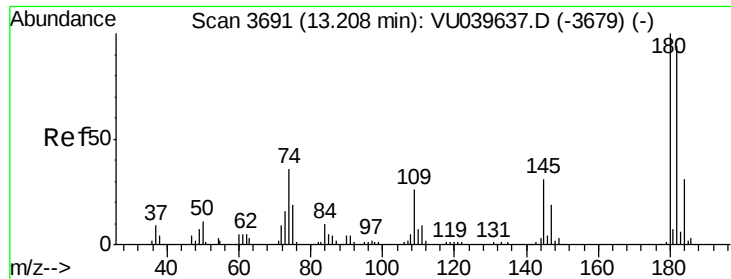
Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Tgt Ion:146	Resp:	4561
Ion	Ratio	Lower Upper
146	100	
111	56.6	34.8 52.2#
148	65.5	52.5 78.7

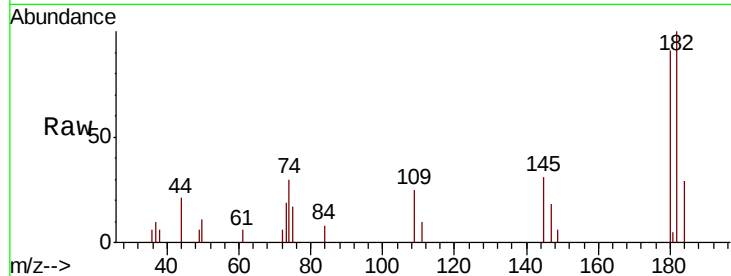




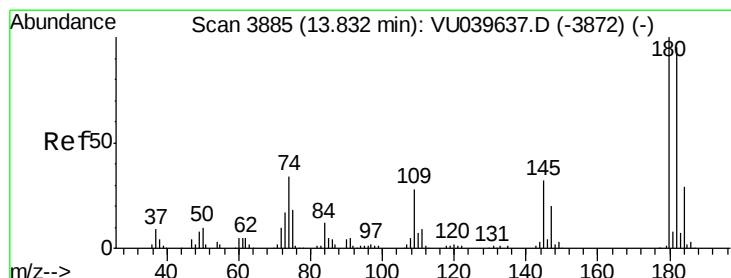
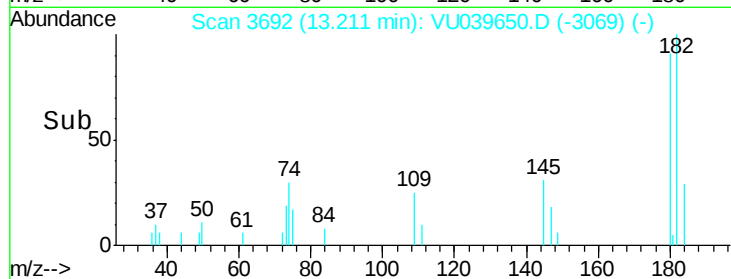
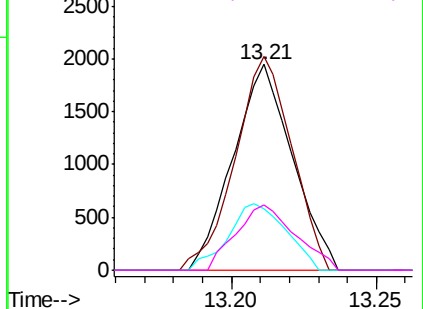
#67
 1,3,5-Trichlorobenzene
 Concen: 1.475 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2767
 Ion Ratio Lower Upper
 180 100
 182 98.9 75.7 113.5
 184 31.5 24.2 36.2
 145 31.8 24.6 36.8

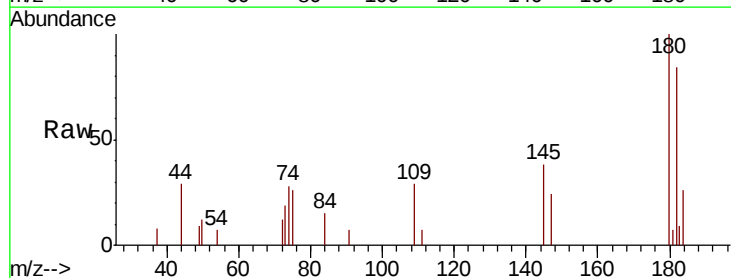


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

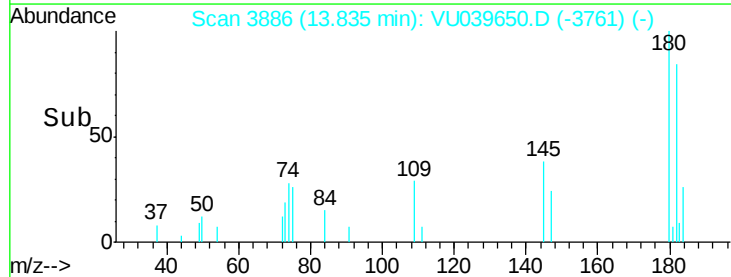
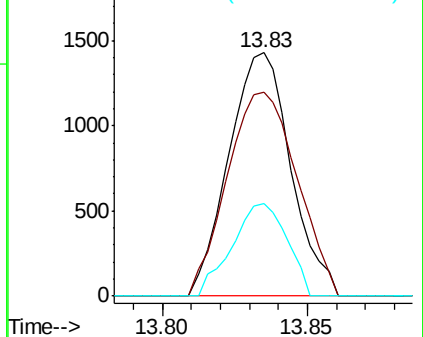


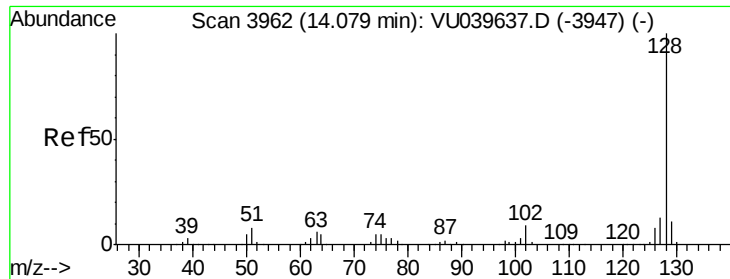
#68
 1,2,4-trichlorobenzene
 Concen: 1.332 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039650.D
 Acq: 23 Jul 2020 20:31

Tgt Ion:180 Resp: 2121
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.4 111.6
 145 33.8 24.8 37.2



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





#69

Naphthalene

Concen: 1.319 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

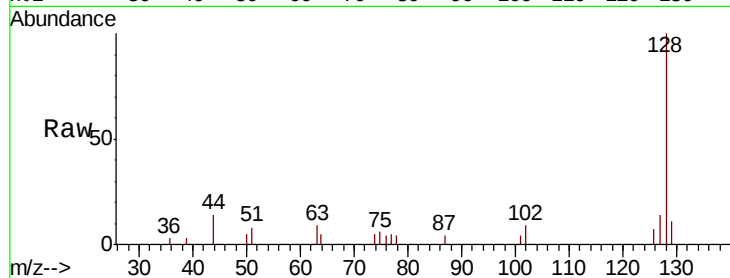
Tot Ion:128 Resp: 6300

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

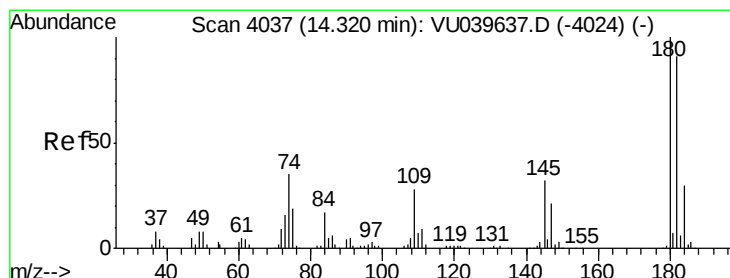
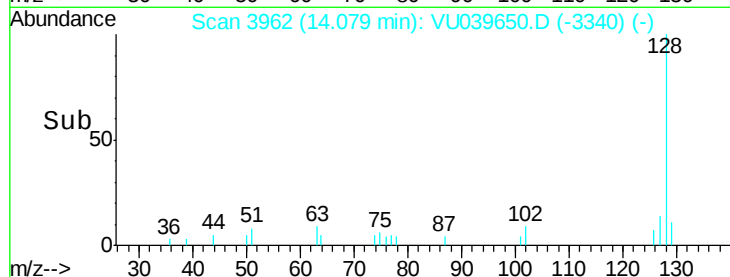
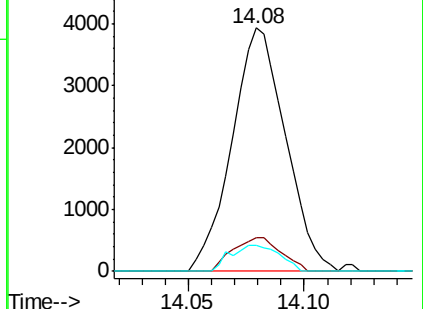
129 7.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.273 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039650.D

Acq: 23 Jul 2020 20:31

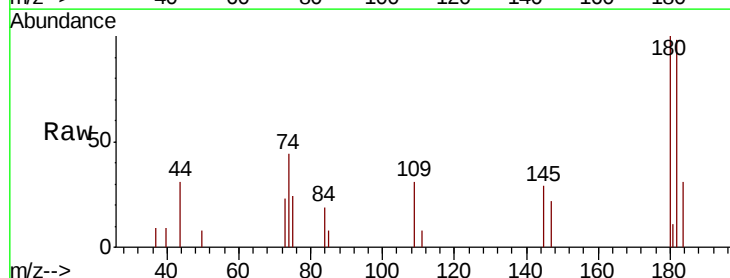
Tgt Ion:180 Resp: 2047

Ion Ratio Lower Upper

180 100

182 103.0 76.6 114.8

145 35.0 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

