

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039646.D
 Acq On : 23 Jul 2020 18:41
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:05:53 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	216202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	203181	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	94681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54561	38.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.52%
7) Chloroethane-d5	1.92	69	64709	38.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.72%
11) 1,1-Dichloroethene-d2	2.58	63	90344	30.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.64%
21) 2-Butanone-d5	4.65	46	136376	83.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.93%
24) Chloroform-d	5.09	84	124803	39.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.86%
26) 1,2-Dichloroethane-d4	5.72	65	89670	39.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.28%
32) Benzene-d6	5.75	84	239608	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.94%
36) 1,2-Dichloropropane-d6	6.70	67	78241	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.58%
41) Toluene-d8	7.91	98	220229	41.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.96%
43) trans-1,3-Dichloropropene-	8.19	79	37606	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.54%
47) 2-Hexanone-d5	8.64	63	85052	84.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.28%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116033	39.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	88369	42.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2749	1.867 ug/L	97
3) Chloromethane	1.53	50	3156	2.062 ug/L	87
5) Vinyl chloride	1.61	62	3260	2.097 ug/L #	66
6) Bromomethane	1.87	94	2424	2.075 ug/L	90
9) Trichlorofluoromethane	2.15	101	5578	2.030 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2967	2.243 ug/L	93
12) 1,1-Dichloroethene	2.59	96	2867	2.325 ug/L #	1
13) Acetone	2.65	43	2479	2.292 ug/L	91
14) Carbon disulfide	2.81	76	7714	1.955 ug/L	100
15) Methyl Acetate	2.97	43	3817	1.970 ug/L #	88
16) Methylene chloride	3.06	84	2976	2.015 ug/L	90
17) trans-1,2-Dichloroethene	3.38	96	2713	1.977 ug/L	75
18) Methyl tert-butyl Ether	3.38	73	8145	1.837 ug/L	98
19) 1,1-Dichloroethane	3.89	63	5224	1.951 ug/L	90
20) cis-1,2-Dichloroethene	4.69	96	3062	1.952 ug/L	72
22) 2-Butanone	4.74	43	6271	4.115 ug/L	81
23) Bromochloromethane	5.00	128	1662	2.108 ug/L	82

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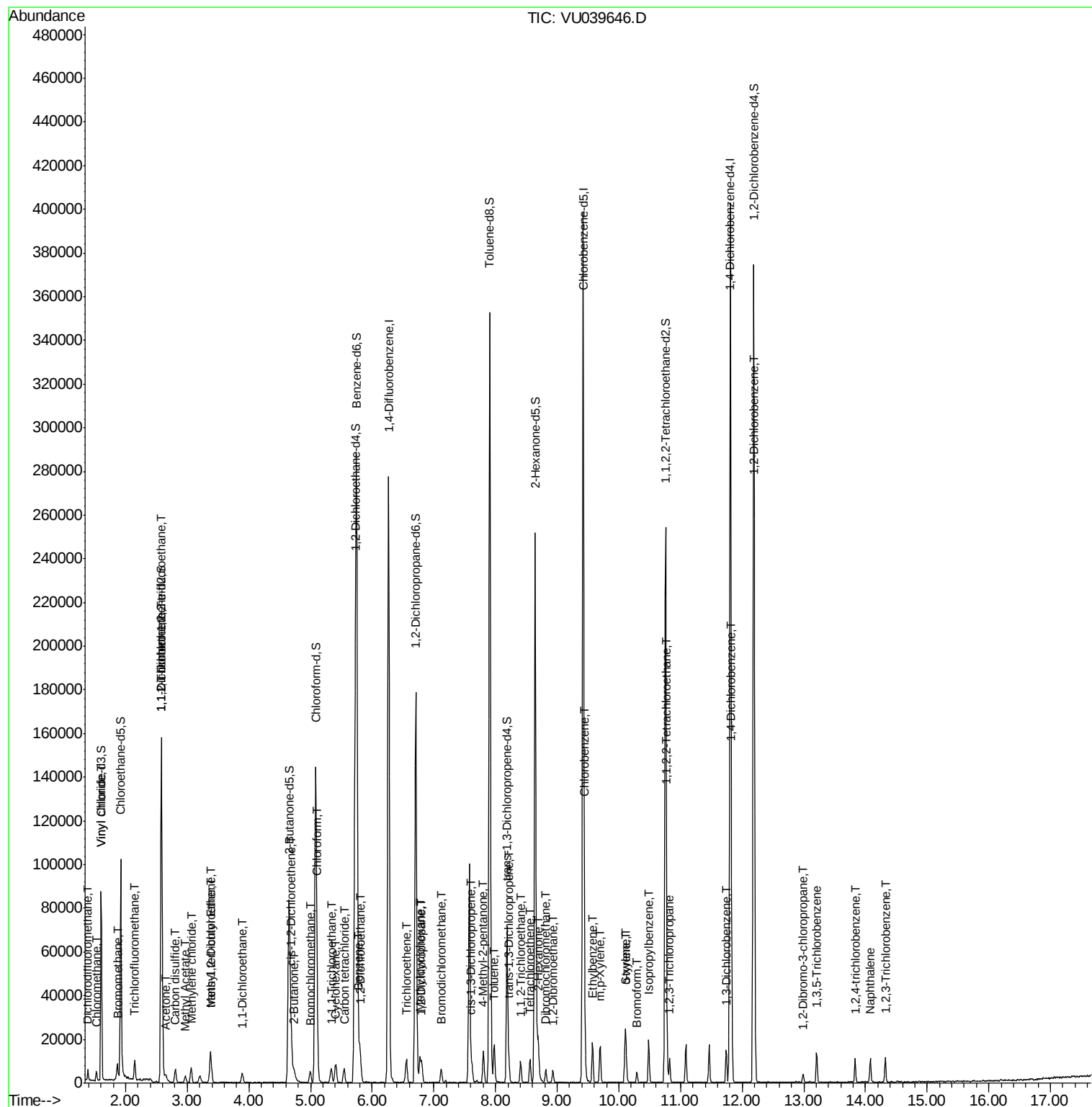
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	9725	3.274	ug/L	95
27) 1,2-Dichloroethane	5.81	62	5132	2.083	ug/L	96
29) Cyclohexane	5.41	56	4351	1.971	ug/L #	87
30) 1,1,1-Trichloroethane	5.34	97	4725	1.943	ug/L	96
31) Carbon tetrachloride	5.55	117	4082	2.023	ug/L	93
33) Benzene	5.79	78	11811	2.109	ug/L	100
34) Trichloroethene	6.56	95	3017	2.037	ug/L #	88
35) Methylcyclohexane	6.77	83	4527	1.977	ug/L	94
37) 1,2-Dichloropropane	6.80	63	2907	1.917	ug/L #	89
38) Bromodichloromethane	7.12	83	4186	2.079	ug/L #	94
39) cis-1,3-Dichloropropene	7.62	75	4479	1.977	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	9829	3.721	ug/L	99
42) Toluene	7.98	91	12647	2.054	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	4026	1.814	ug/L	91
45) 1,1,2-Trichloroethane	8.41	97	2628	1.818	ug/L #	88
46) Tetrachloroethene	8.56	164	2185	1.950	ug/L	90
48) 2-Hexanone	8.69	43	12035	5.592	ug/L	97
49) Dibromochloromethane	8.82	129	3058	1.873	ug/L	99
50) 1,2-Dibromoethane	8.93	107	3202	1.991	ug/L #	95
51) Chlorobenzene	9.45	112	7494	1.907	ug/L #	86
52) Ethylbenzene	9.57	91	12481	1.834	ug/L	96
53) m,p-Xylene	9.70	106	4881	1.903	ug/L	85
54) o-xylene	10.10	106	4305	1.749	ug/L	93
55) Styrene	10.12	104	6651	1.561	ug/L	84
56) Isopropylbenzene	10.48	105	11823	1.769	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	5248	1.992	ug/L #	91
59) 1,2,3-Trichloropropane	10.82	75	4138	1.881	ug/L	100
61) Bromoform	10.29	173	1909	1.705	ug/L #	84
62) 1,3-Dichlorobenzene	11.74	146	5910	2.038	ug/L	91
63) 1,4-Dichlorobenzene	11.84	146	5872	2.021	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	6168	2.105	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	1145	1.953	ug/L #	74
67) 1,3,5-Trichlorobenzene	13.21	180	3819	1.826	ug/L	95
68) 1,2,4-trichlorobenzene	13.84	180	3199	1.802	ug/L	97
69) Naphthalene	14.08	128	8560	1.608	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	3224	1.798	ug/L	96

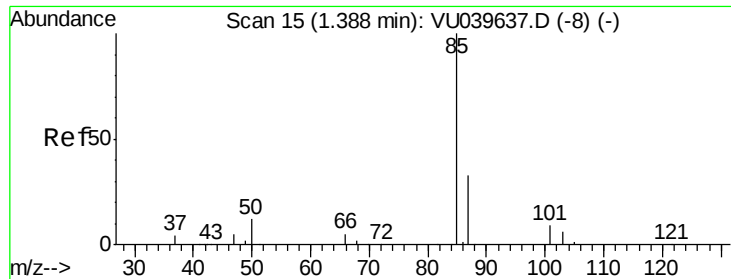
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.867 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

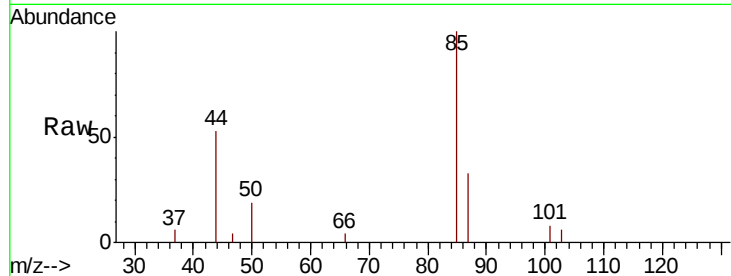
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2749

Ion Ratio Lower Upper

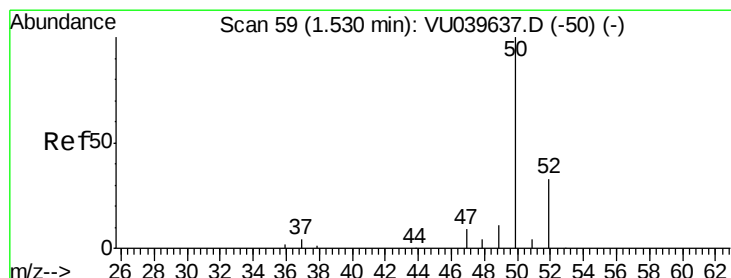
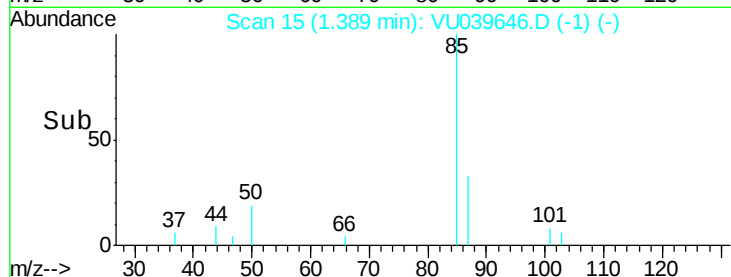
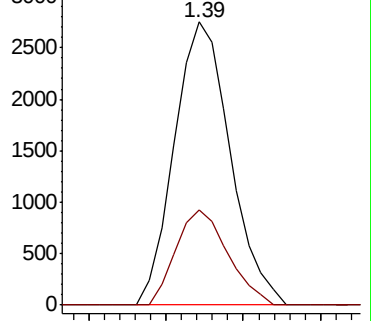
85 100

87 31.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 2.062 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039646.D

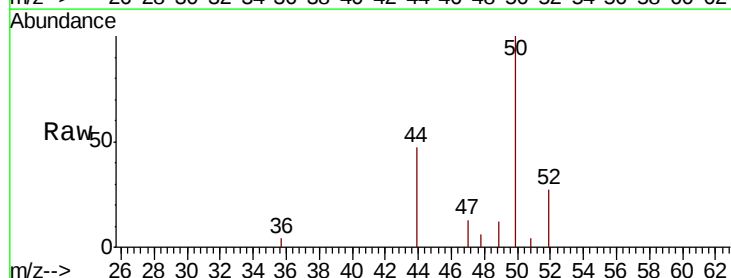
Acq: 23 Jul 2020 18:41

Tgt Ion: 50 Resp: 3156

Ion Ratio Lower Upper

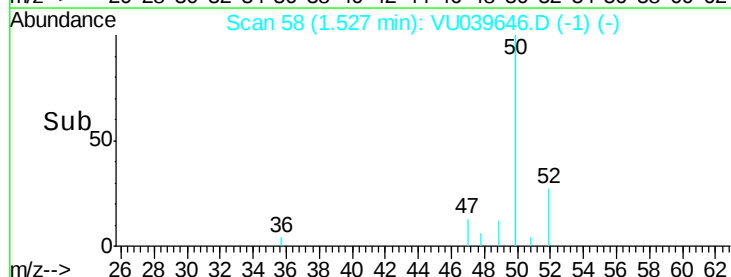
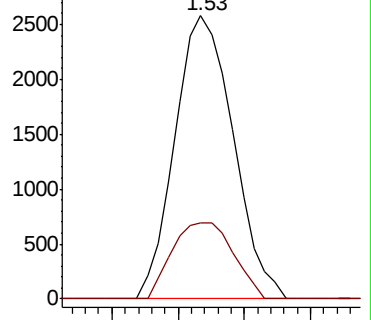
50 100

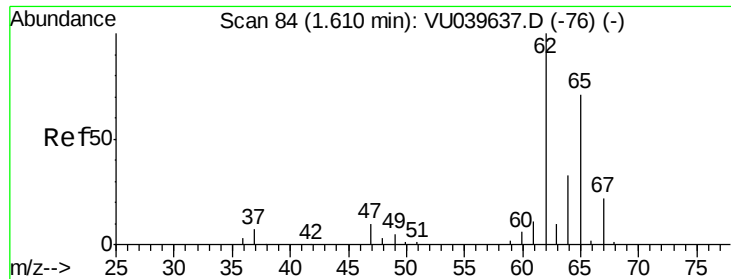
52 26.7 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039637.D (-50) (-)





#5

Vinyl chloride

Concen: 2.097 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

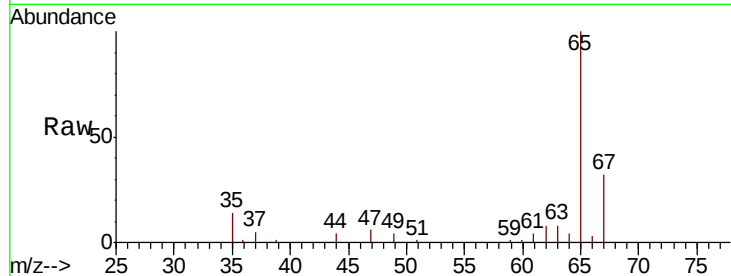
ClientSampleId :

Tot Ion: 62 Resp: 3260

Ion Ratio Lower Upper

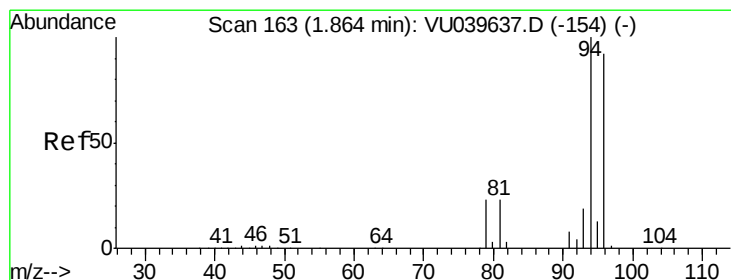
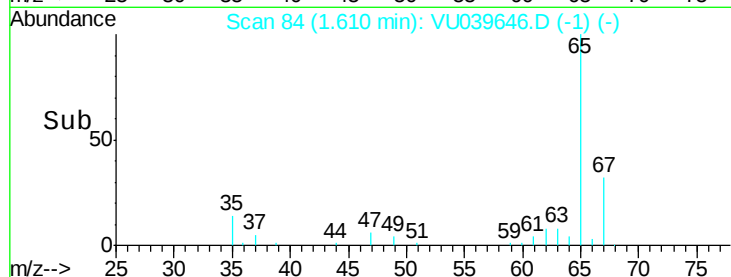
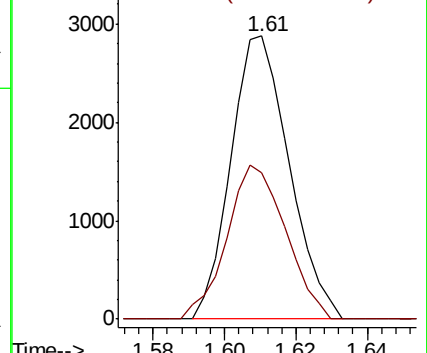
62 100

64 51.7 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039637.D (-76) (-)



#6

Bromomethane

Concen: 2.075 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039646.D

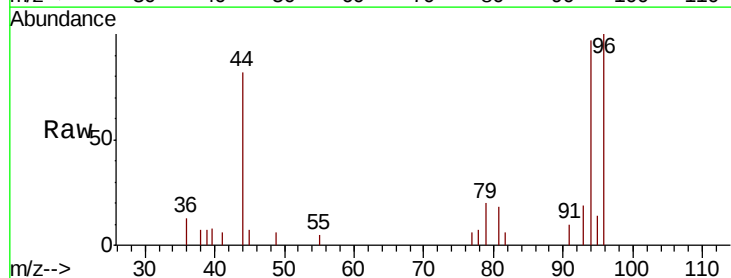
Acq: 23 Jul 2020 18:41

Tgt Ion: 94 Resp: 2424

Ion Ratio Lower Upper

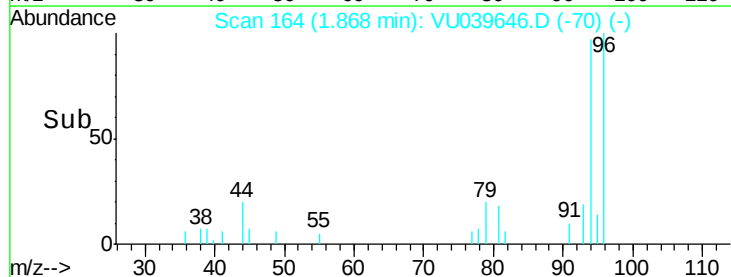
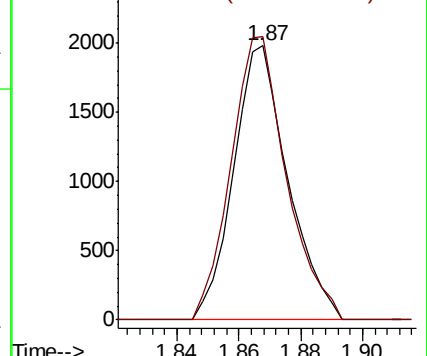
94 100

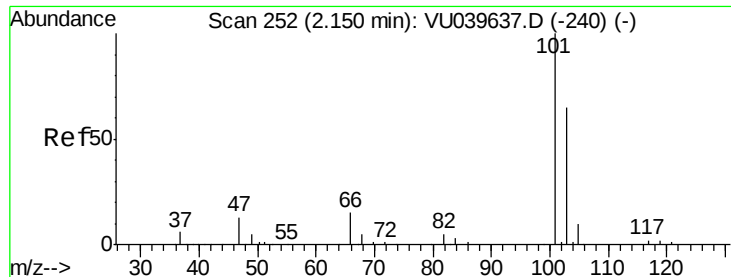
96 103.2 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039637.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039637.D (-154) (-)



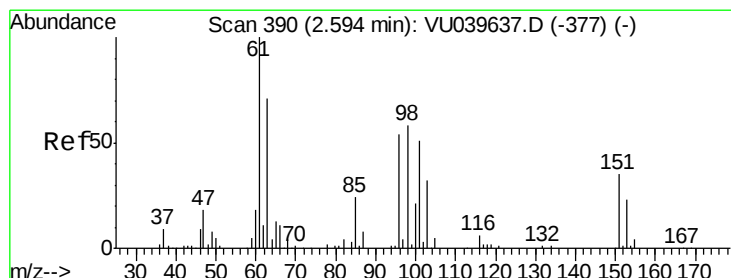
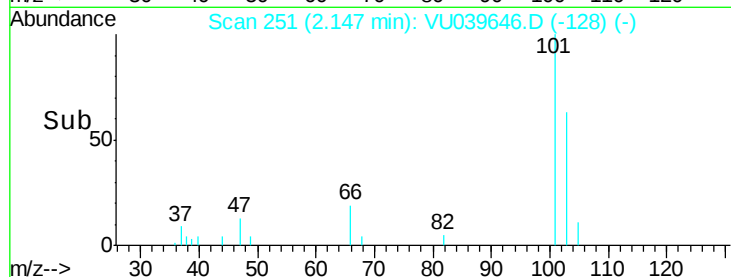
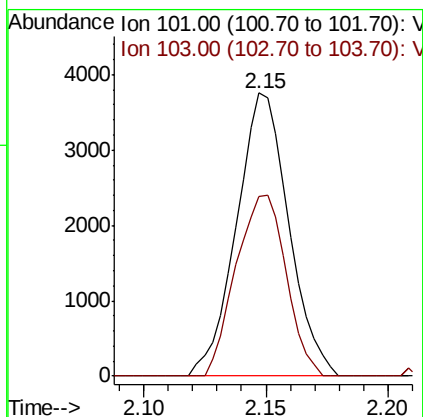
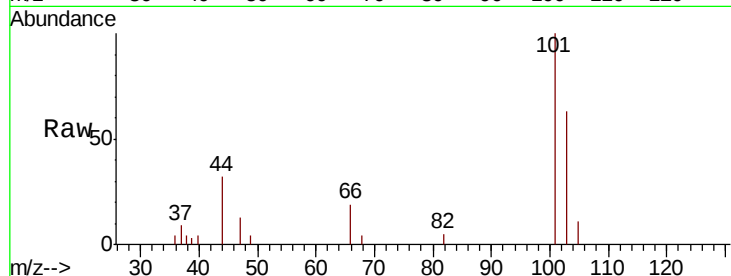


#9

Trichlorofluoromethane
 Concen: 2.030 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Instrument :
 MSVOA_U
 ClientSampleId :

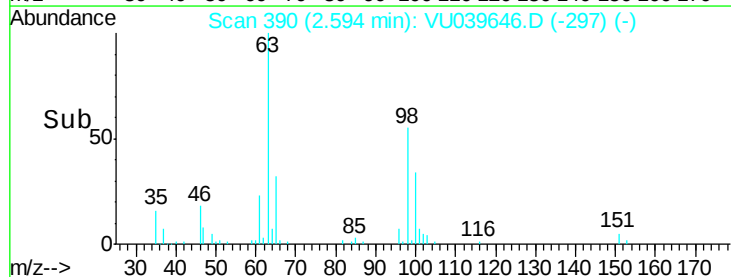
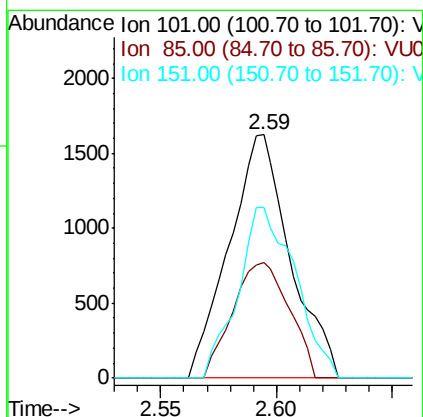
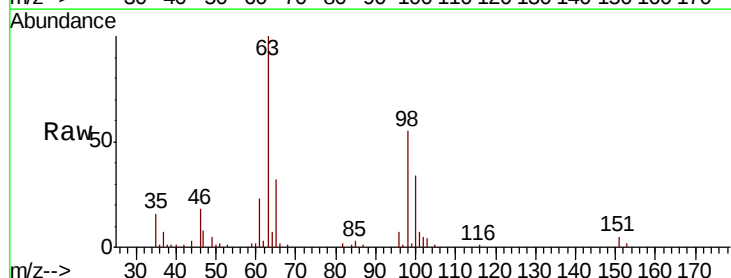
Tot Ion:101 Resp: 5578
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.8 79.2

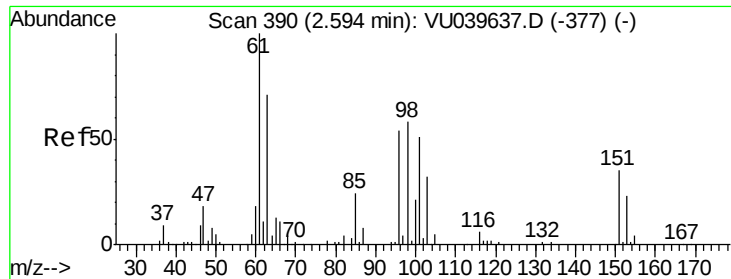


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.243 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion:101 Resp: 2967
 Ion Ratio Lower Upper
 101 100
 85 44.1 39.7 59.5
 151 65.9 57.4 86.2

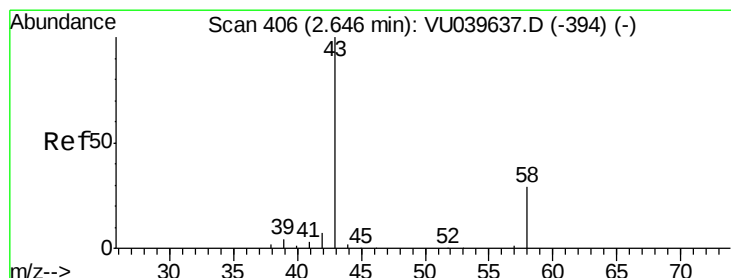
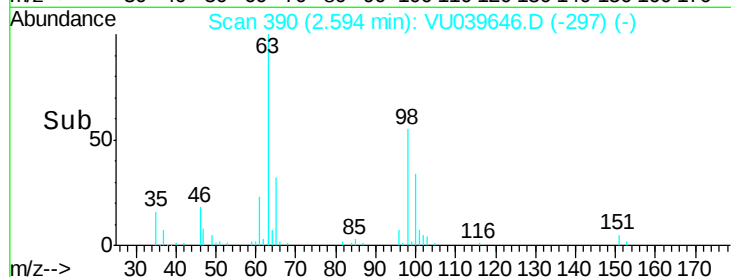
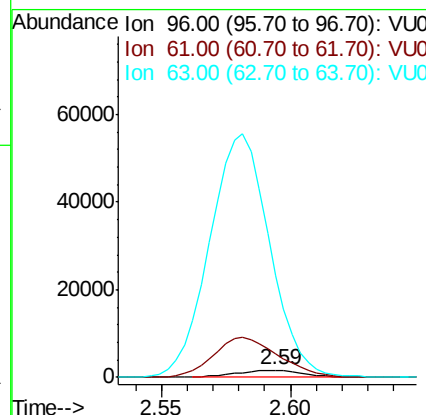
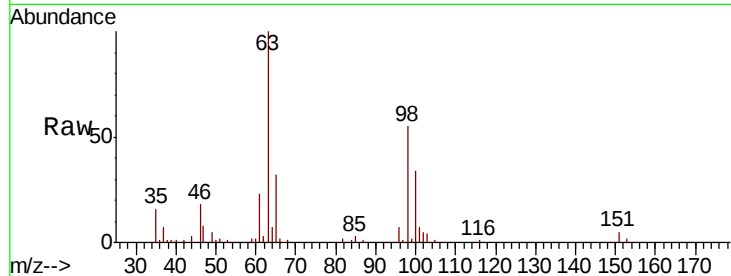




#12
 1,1-Dichloroethene
 Concen: 2.325 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

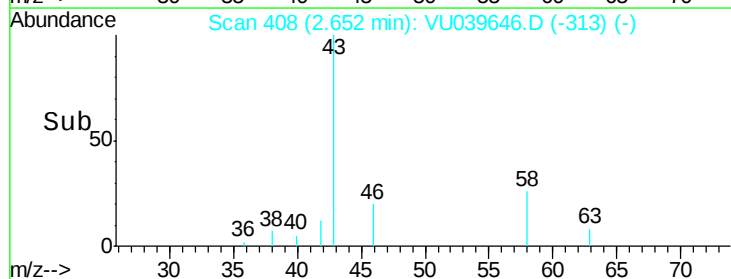
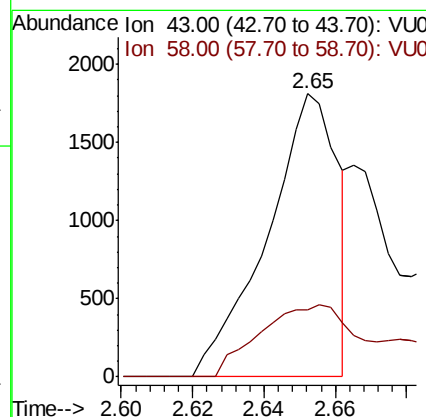
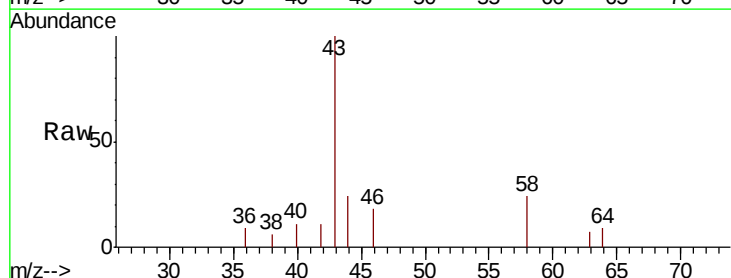
Instrument :
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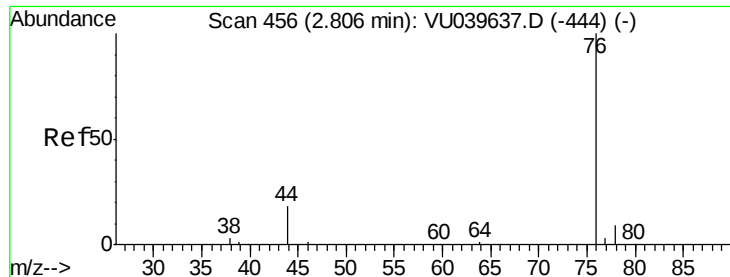
Tot Ion: 96 Resp: 2867
 Ion Ratio Lower Upper
 96 100
 61 319.6 136.6 253.6#
 63 1368.7 97.2 180.6#



#13
 Acetone
 Concen: 2.292 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. 0.01 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion: 43 Resp: 2479
 Ion Ratio Lower Upper
 43 100
 58 34.6 0.0 59.4

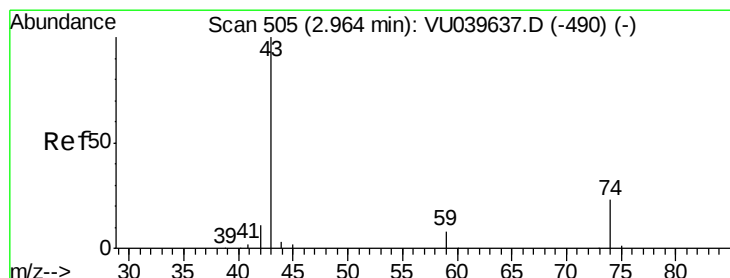
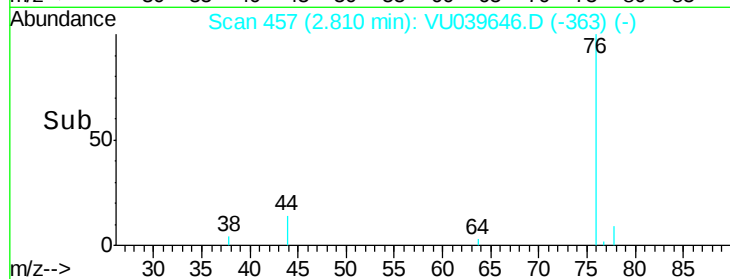
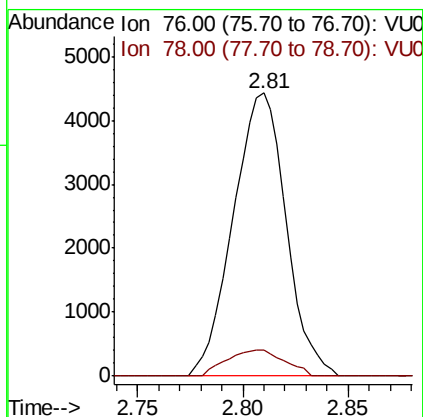
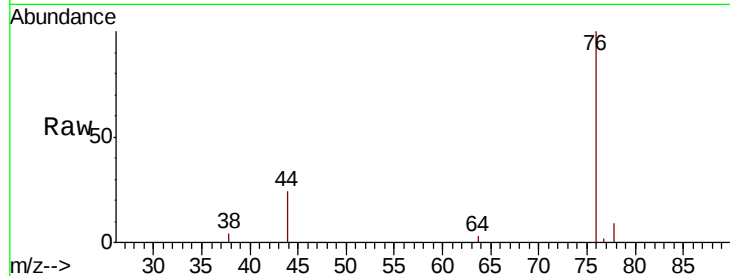




#14
Carbon disulfide
Concen: 1.955 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

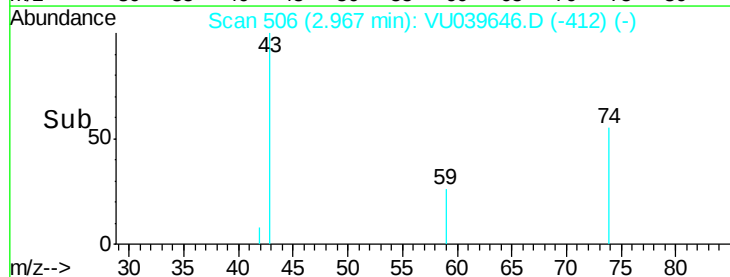
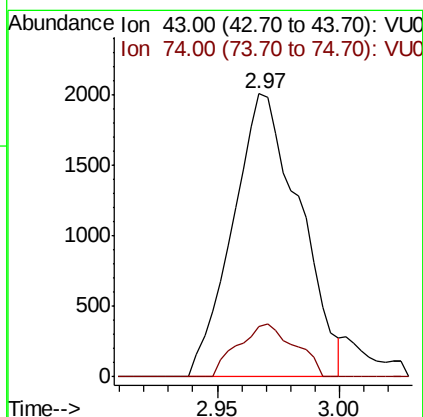
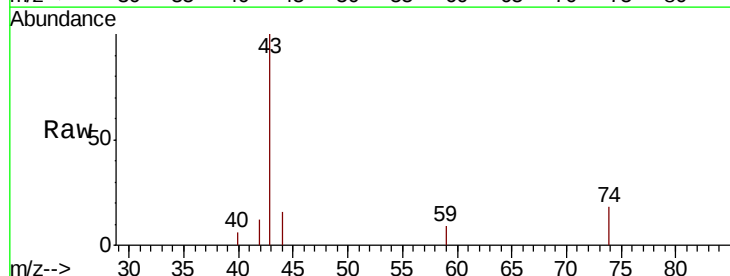
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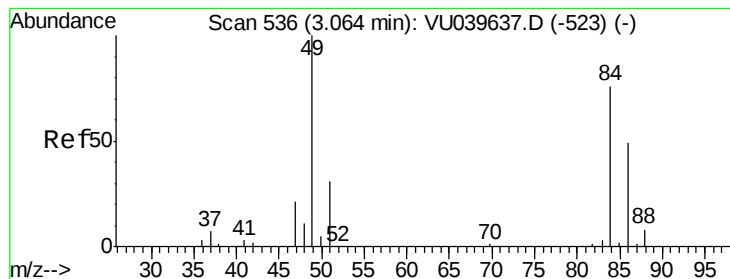
Tot Ion: 76 Resp: 7714
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#15
Methyl Acetate
Concen: 1.970 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
74 16.1 17.4 26.0#





#16

Methylene chloride

Concen: 2.015 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampled :

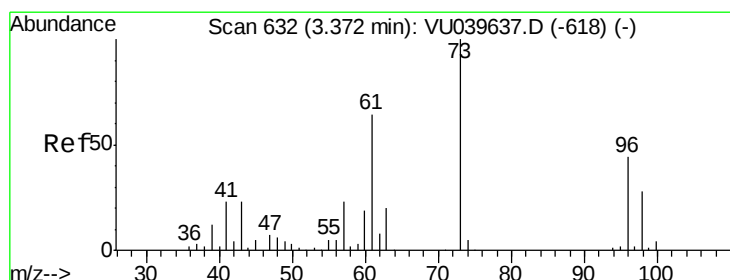
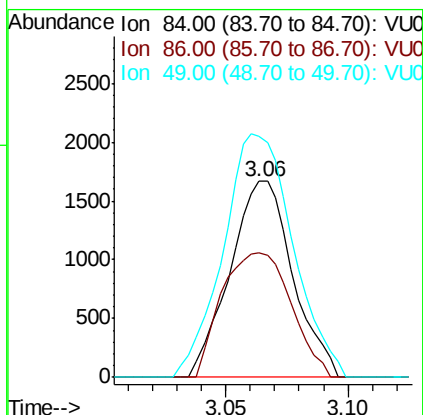
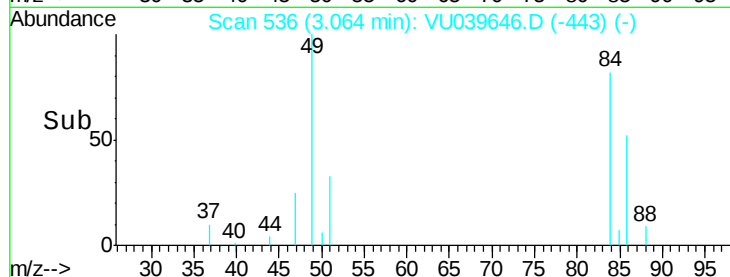
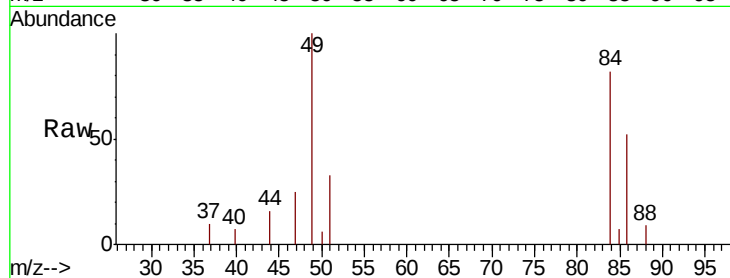
Tot Ion: 84 Resp: 2976

Ion Ratio Lower Upper

84 100

86 63.8 46.2 85.8

49 122.7 97.3 180.7



#17

trans-1,2-Dichloroethene

Concen: 1.977 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

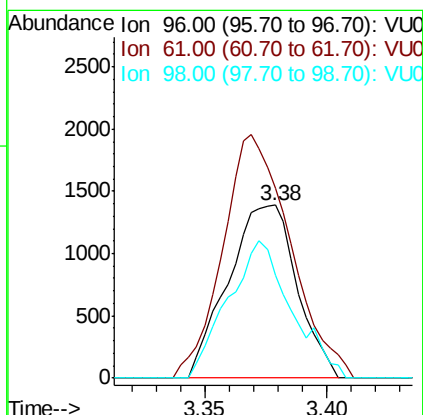
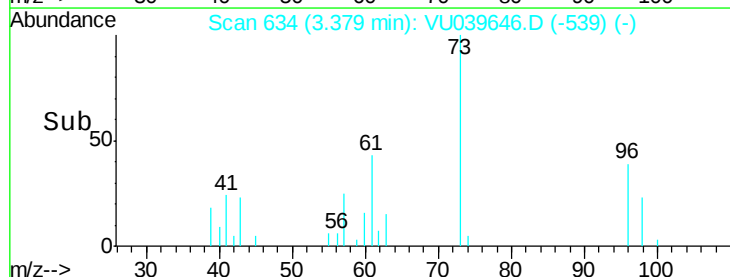
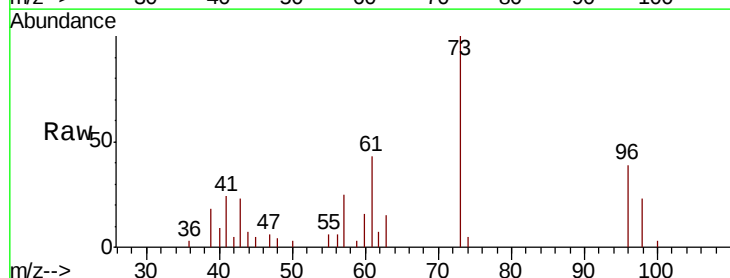
Tgt Ion: 96 Resp: 2713

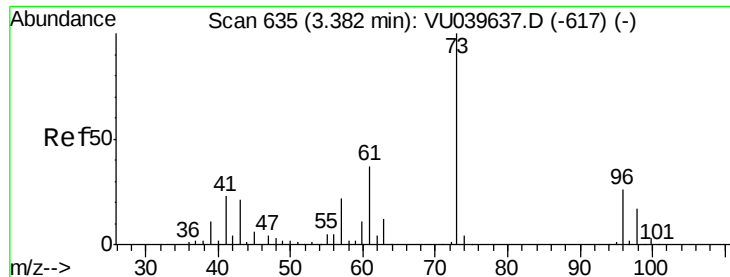
Ion Ratio Lower Upper

96 100

61 110.0 106.7 198.1

98 59.8 44.3 82.3

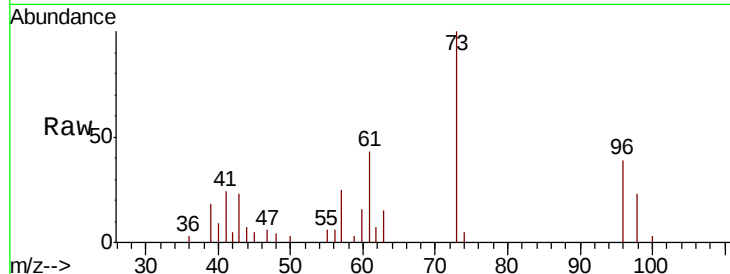




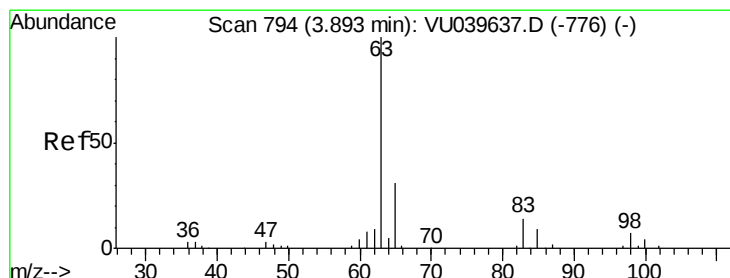
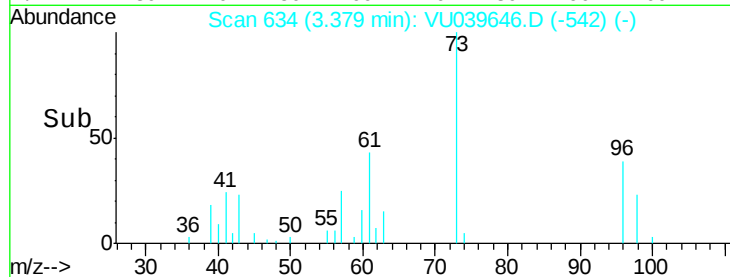
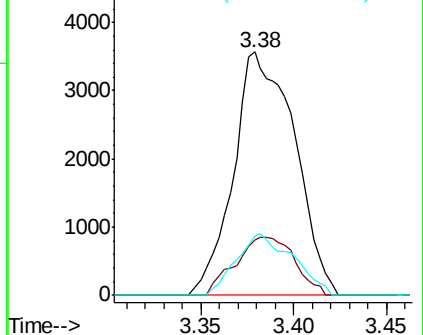
#18
Methvl tert-butvl Ether
Concen: 1.837 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 8145
Ion Ratio Lower Upper
73 100
43 23.2 18.2 27.2
57 23.6 17.4 26.2

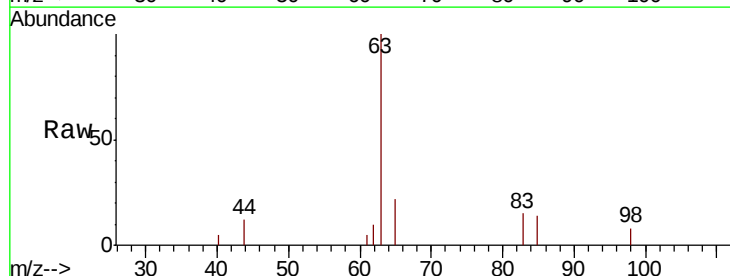


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

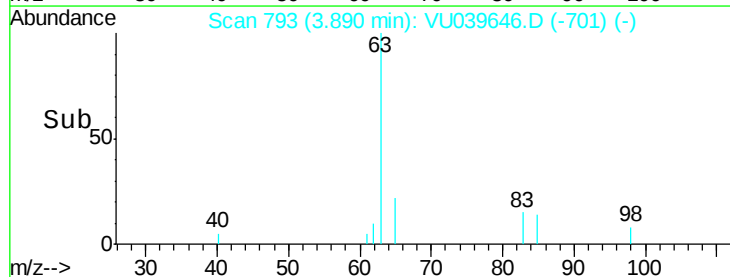
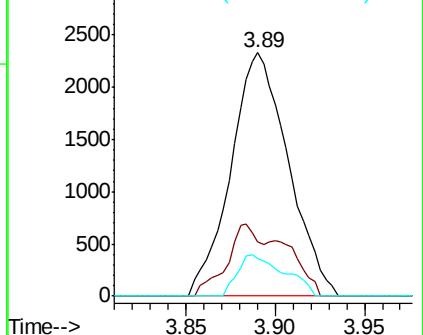


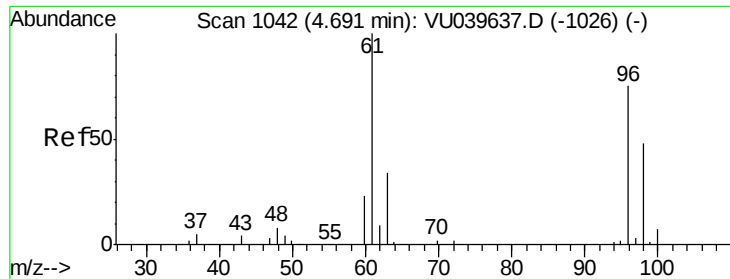
#19
1,1-Dichloroethane
Concen: 1.951 ug/L
RT: 3.89 min Scan# 793
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 63 Resp: 5224
Ion Ratio Lower Upper
63 100
65 22.3 20.4 38.0
83 15.3 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

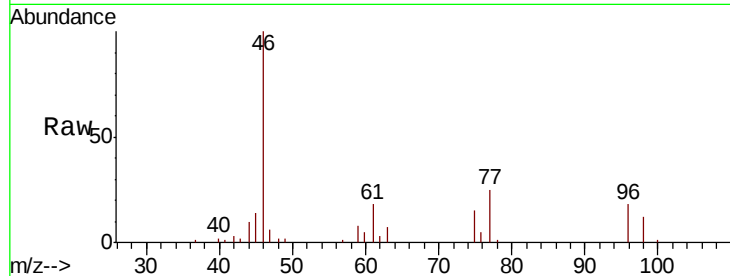




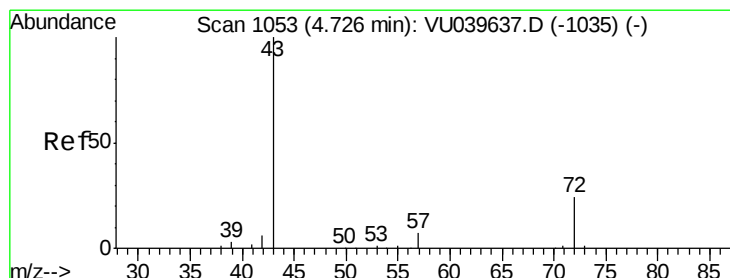
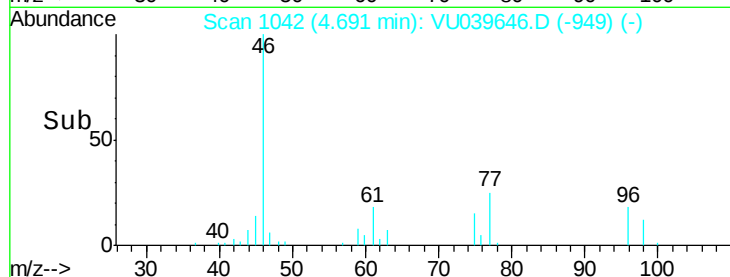
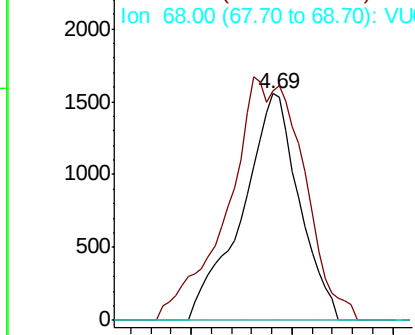
#20
 cis-1,2-Dichloroethene
 Concen: 1.952 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 3062
 Ion Ratio Lower Upper
 96 100
 61 101.1 94.0 174.6
 68 0.0 0.0 0.0

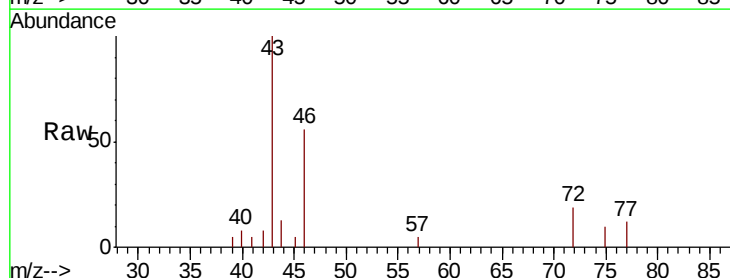


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

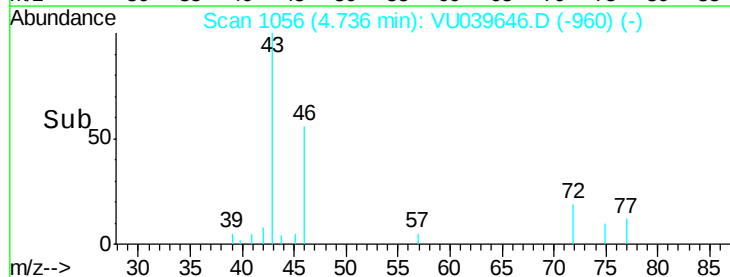
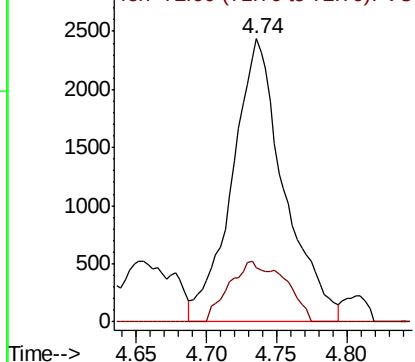


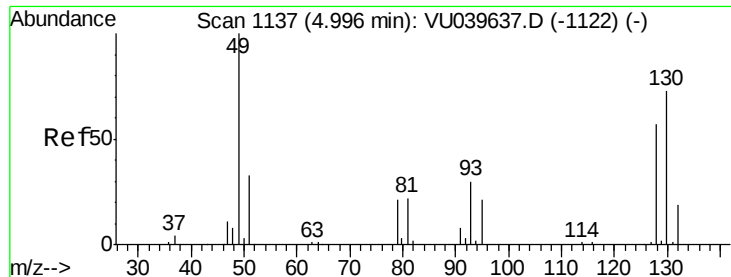
#22
 2-Butanone
 Concen: 4.115 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion: 43 Resp: 6271
 Ion Ratio Lower Upper
 43 100
 72 15.7 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#23

Bromochloromethane

Concen: 2.108 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1662

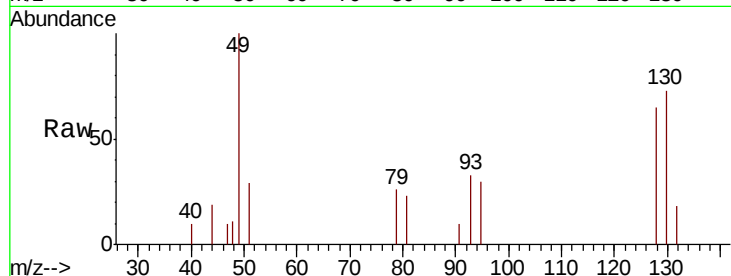
Ion Ratio Lower Upper

128 100

49 153.4 124.5 231.3

130 112.2 94.4 175.2

51 44.0 43.5 65.3

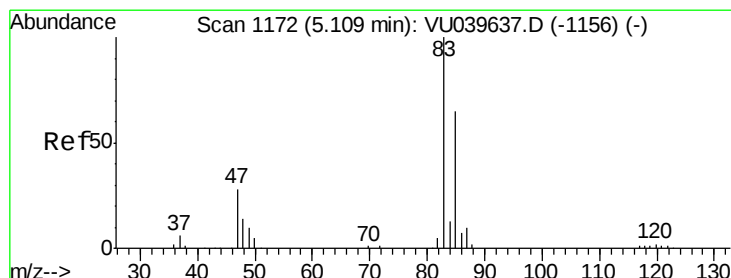
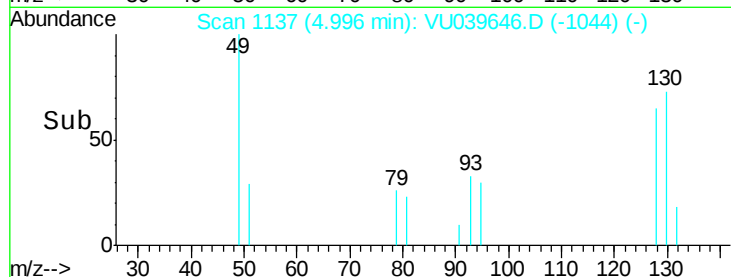
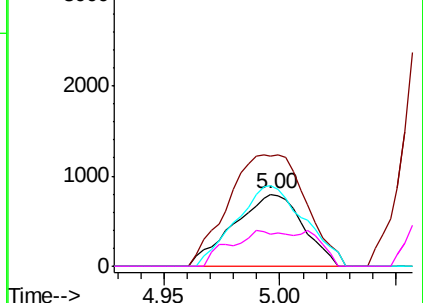


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 3.274 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039646.D

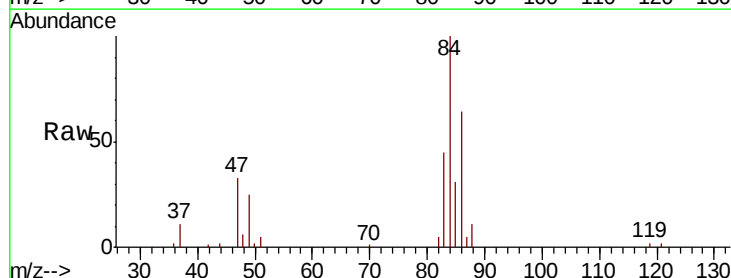
Acq: 23 Jul 2020 18:41

Tgt Ion: 83 Resp: 9725

Ion Ratio Lower Upper

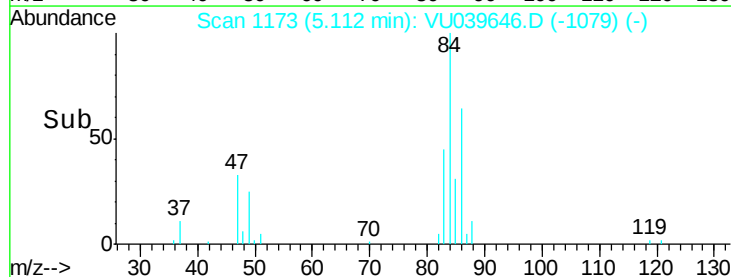
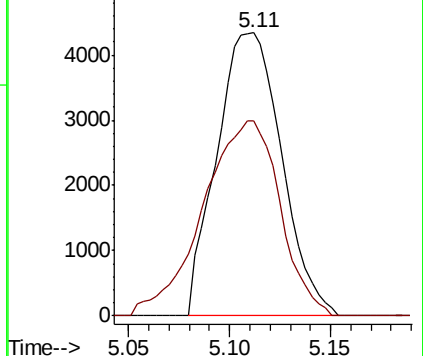
83 100

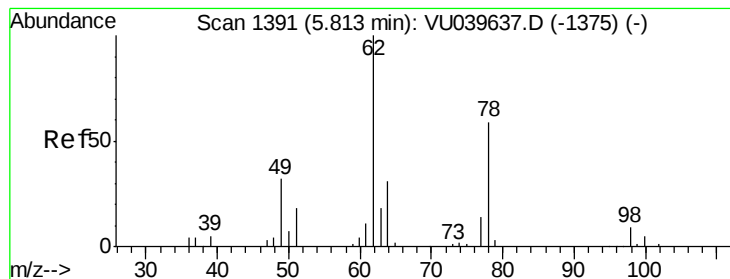
85 69.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 2.083 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

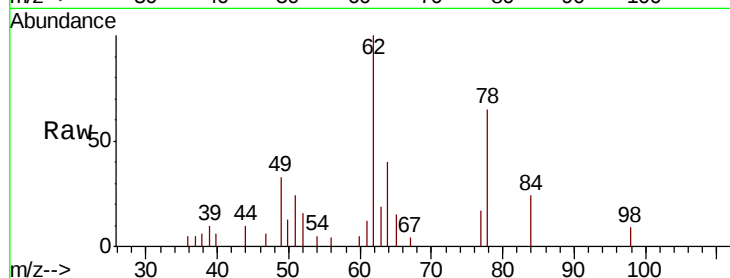
ClientSampleId :

Tot Ion: 62 Resp: 5132

Ion Ratio Lower Upper

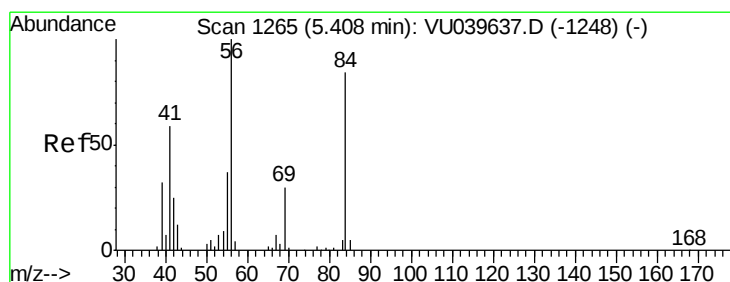
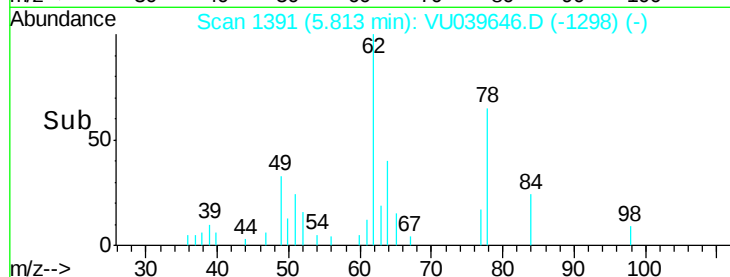
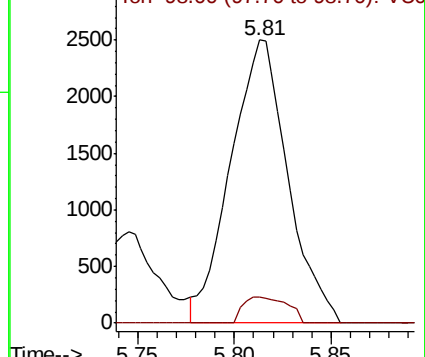
62 100

98 9.4 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#29

Cyclohexane

Concen: 1.971 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

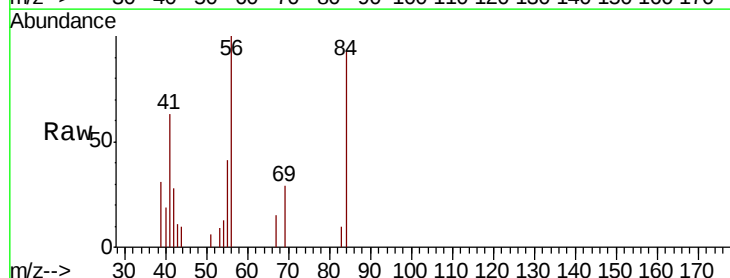
Tgt Ion: 56 Resp: 4351

Ion Ratio Lower Upper

56 100

69 11.8 23.9 35.9#

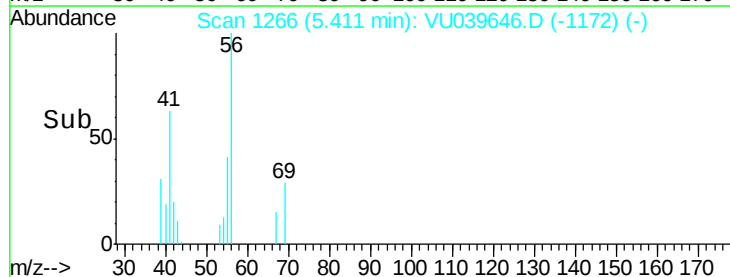
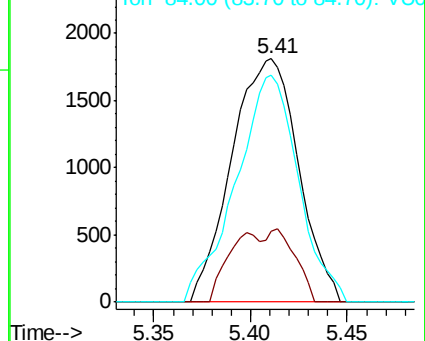
84 87.5 65.8 98.8

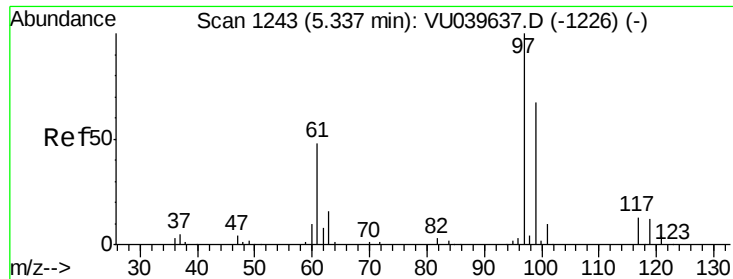


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

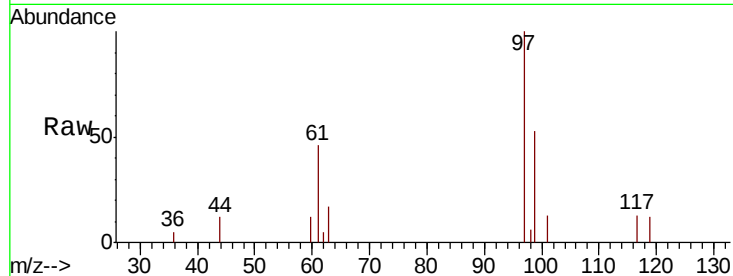




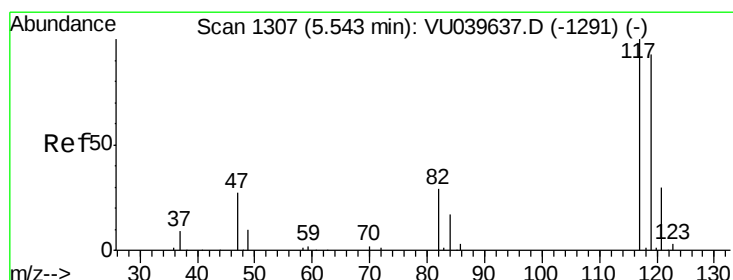
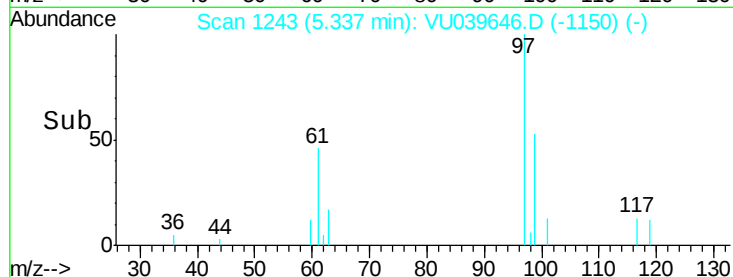
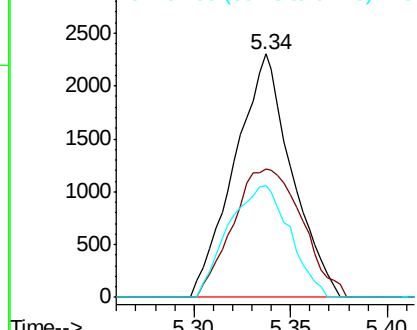
#30
 1,1,1-Trichloroethane
 Concen: 1.943 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 4725
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.3 75.5
 61 49.2 36.0 54.0

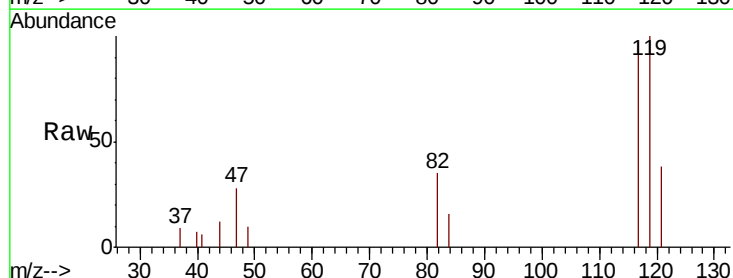


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

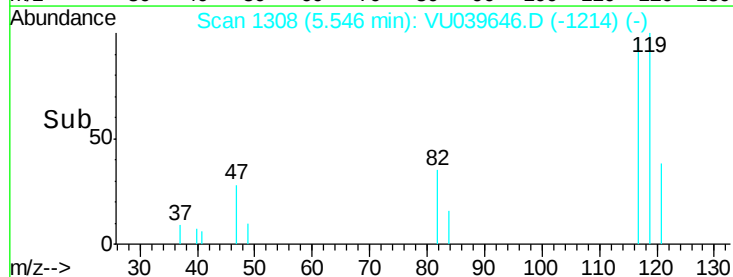
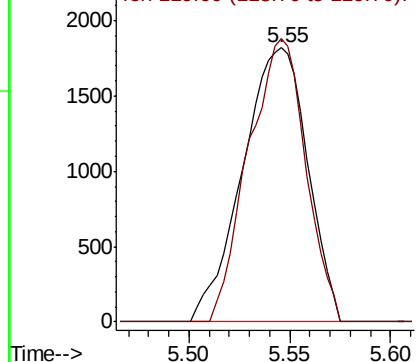


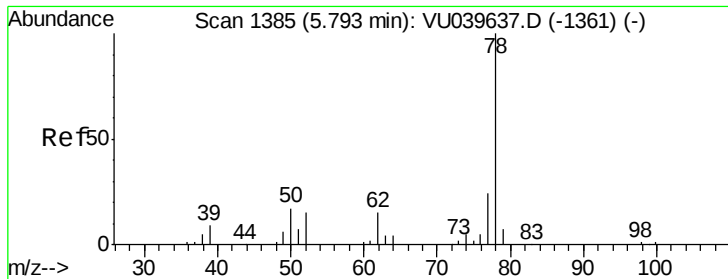
#31
 Carbon tetrachloride
 Concen: 2.023 ug/L
 RT: 5.55 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion: 117 Resp: 4082
 Ion Ratio Lower Upper
 117 100
 119 91.1 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

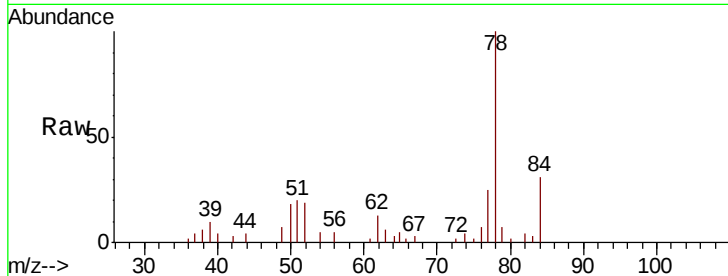




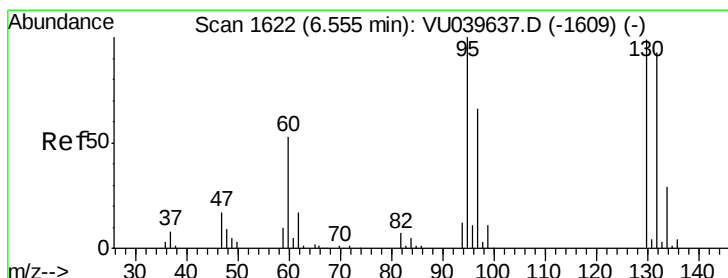
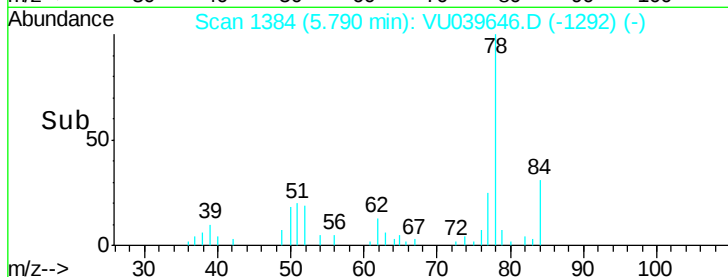
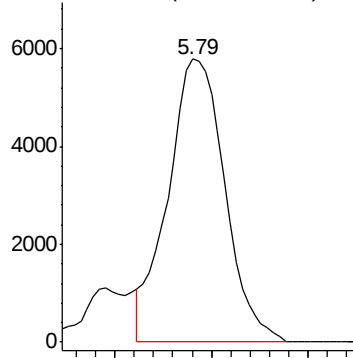
#33
Benzene
Concen: 2.109 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 11811

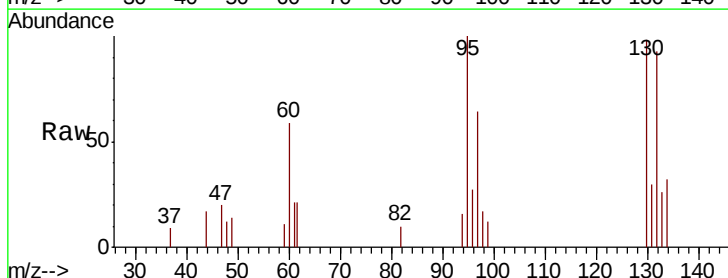


Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 2.037 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 95 Resp: 3017
Ion Ratio Lower Upper
95 100
97 64.1 45.5 84.5
132 93.0 65.0 120.6
130 127.5 67.9 126.1#

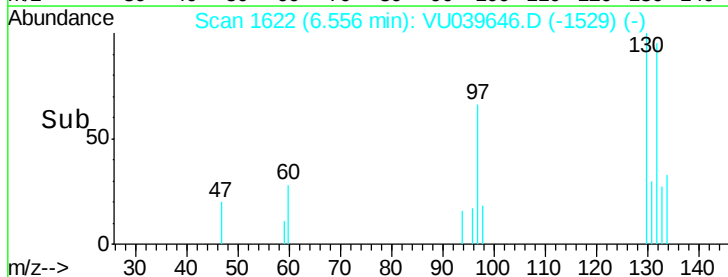
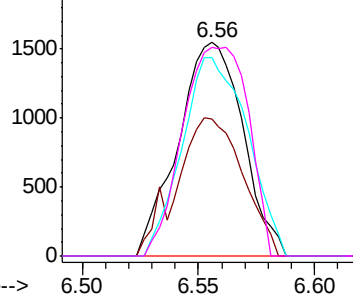


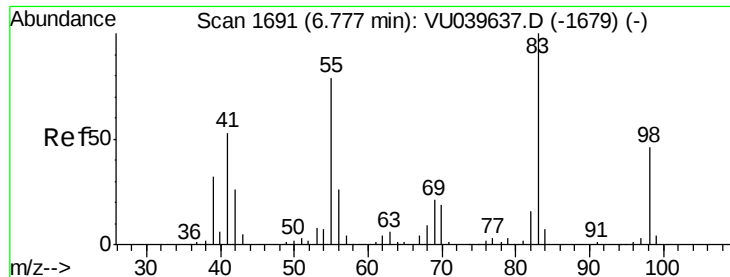
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

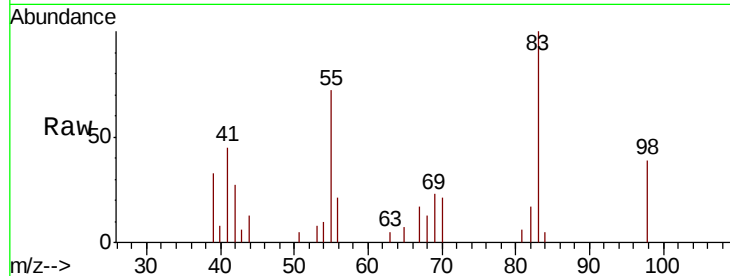




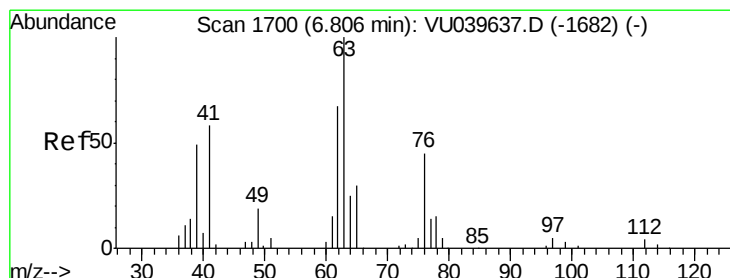
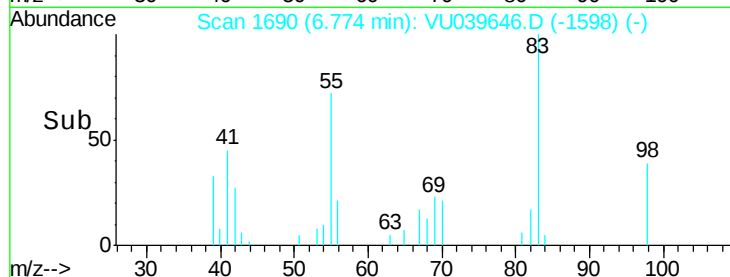
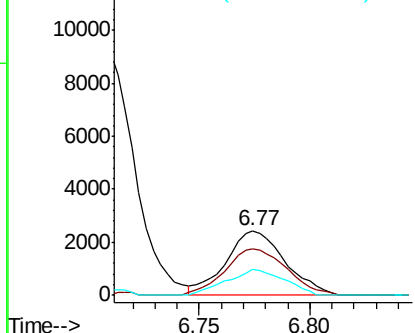
#35
Methylcyclohexane
Concen: 1.977 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4527
Ion Ratio Lower Upper
83 100
55 75.4 62.9 94.3
98 39.1 36.3 54.5

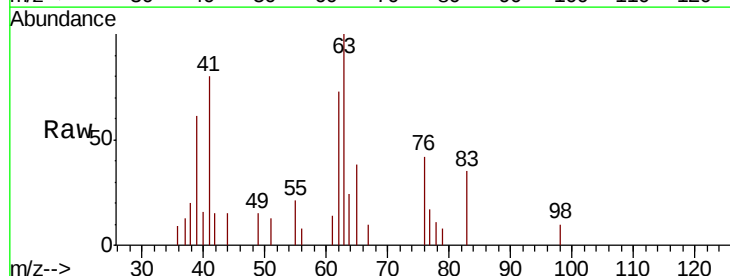


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

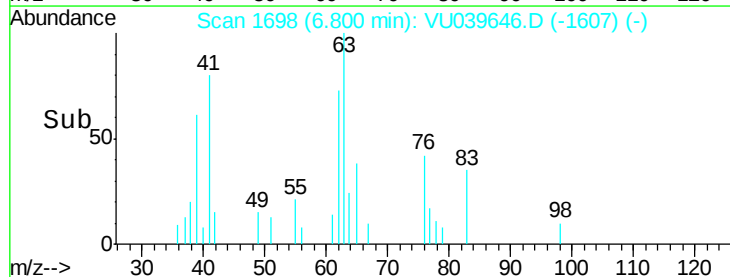
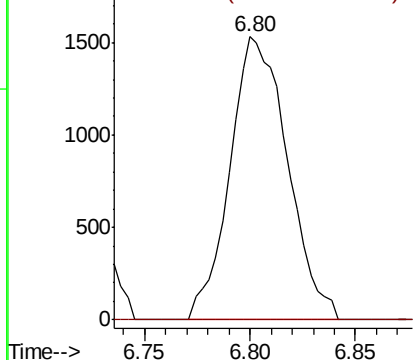


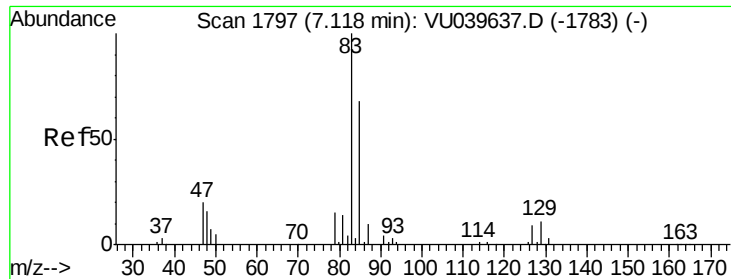
#37
1,2-Dichloropropane
Concen: 1.917 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 63 Resp: 2907
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



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

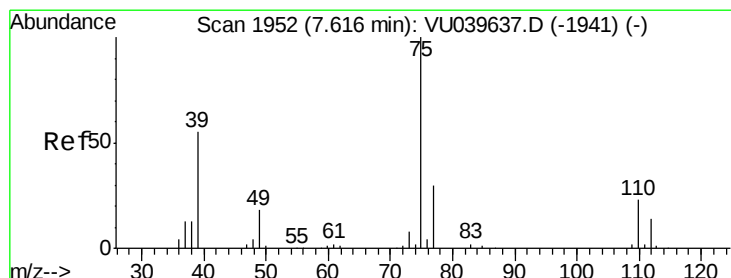
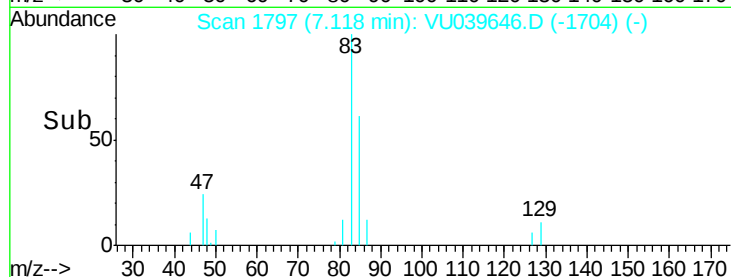
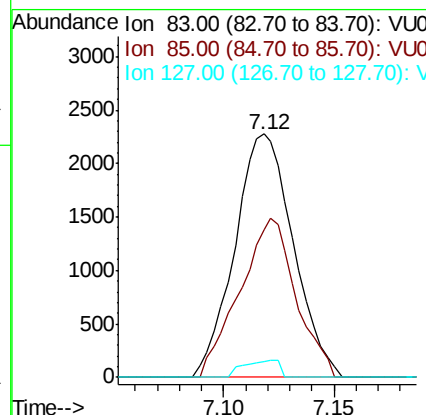
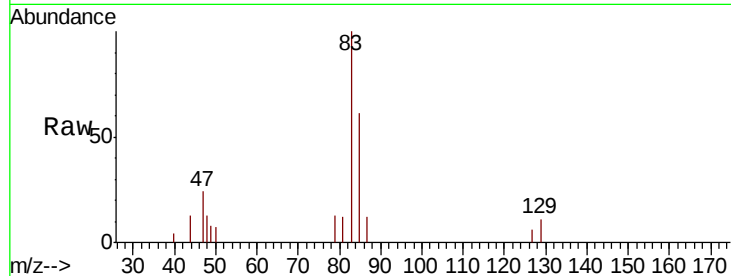




#38
 Bromodichloromethane
 Concen: 2.079 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

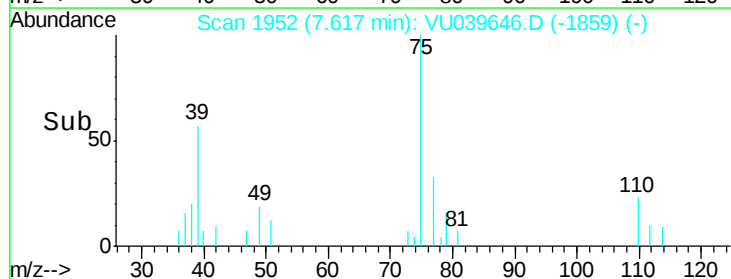
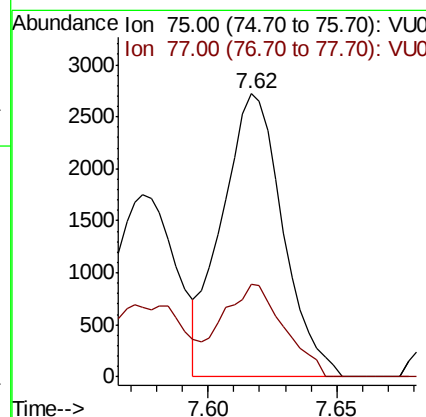
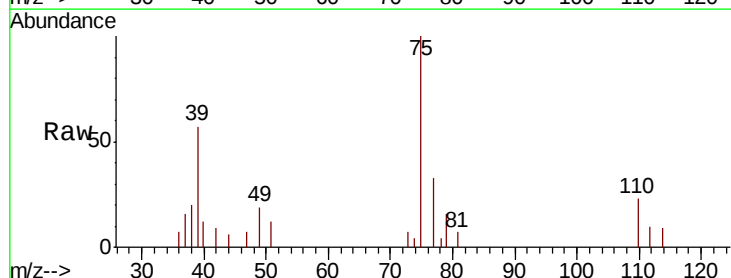
Instrument :
 MSVOA_U
 ClientSampleId :

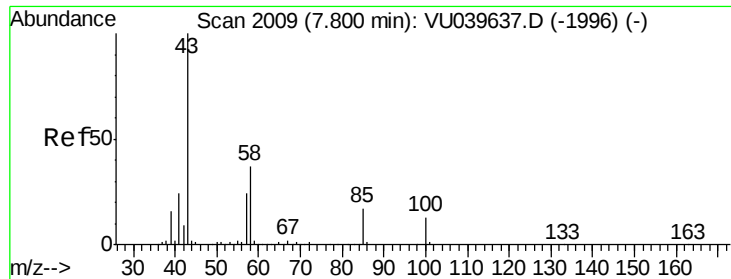
Tot Ion: 83 Resp: 4186
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.9 85.3
 127 6.4 7.4 11.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.977 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion: 75 Resp: 4479
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.8 40.6

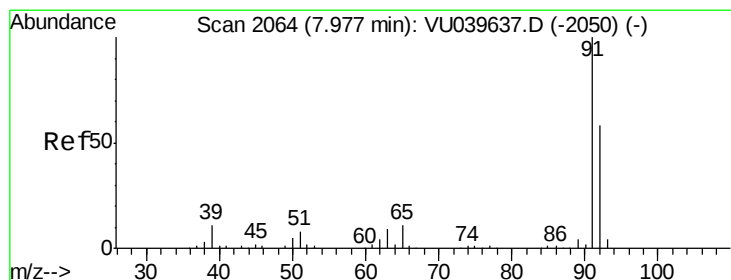
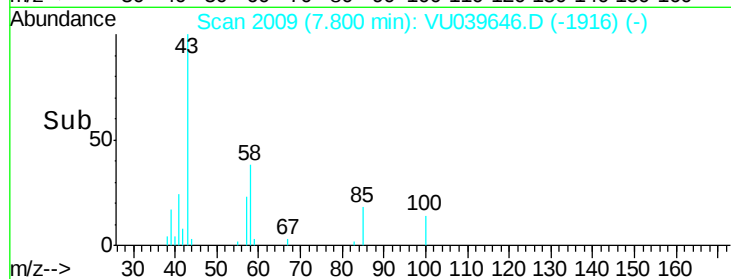
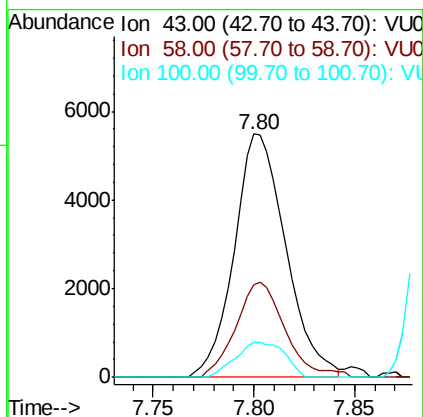
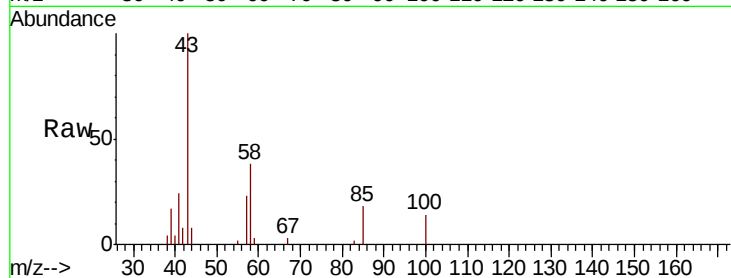




#40
4-Methyl-2-pentanone
Concen: 3.721 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

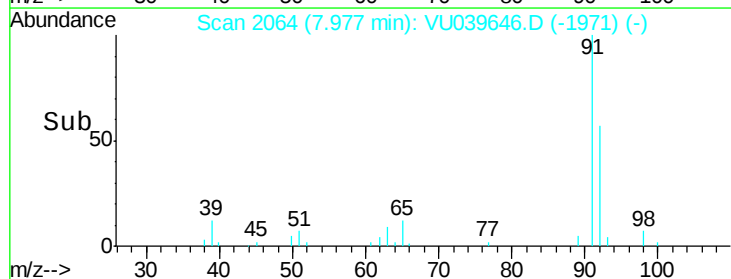
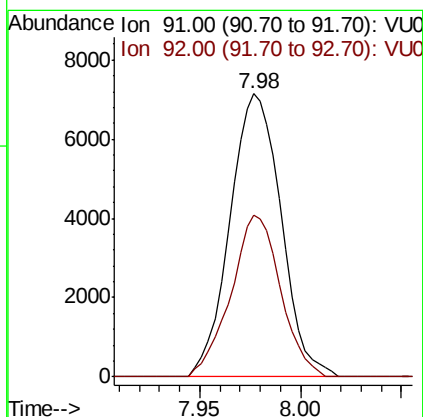
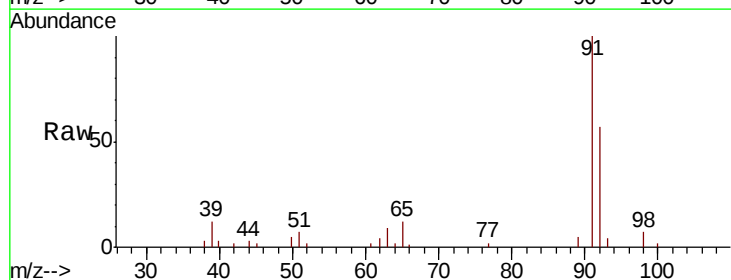
Instrument :
MSVOA_U
ClientSampled :

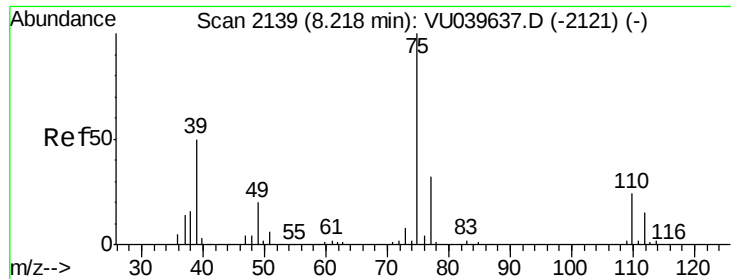
Tot Ion: 43 Resp: 9829
Ion Ratio Lower Upper
43 100
58 37.1 29.1 43.7
100 13.8 10.6 16.0



#42
Toluene
Concen: 2.054 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 91 Resp: 12647
Ion Ratio Lower Upper
91 100
92 57.0 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 1.814 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

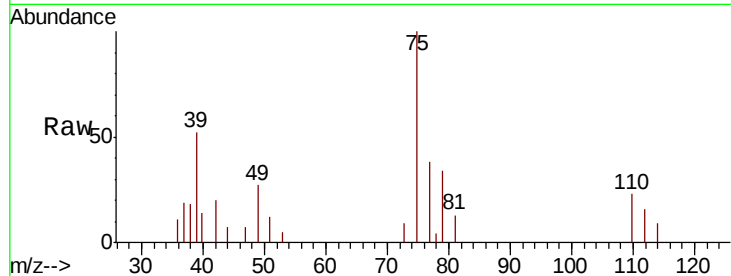
ClientSampleId :

Tot Ion: 75 Resp: 4026

Ion Ratio Lower Upper

75 100

77 37.7 22.7 42.1

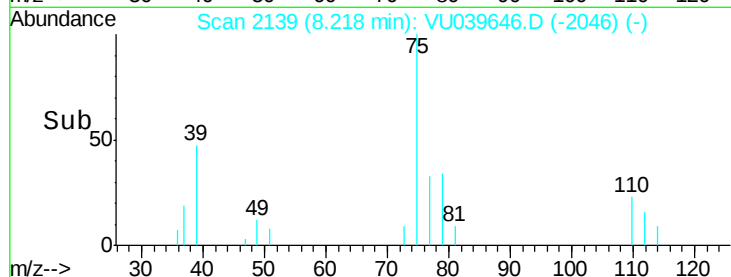


Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

8.22

Time-->



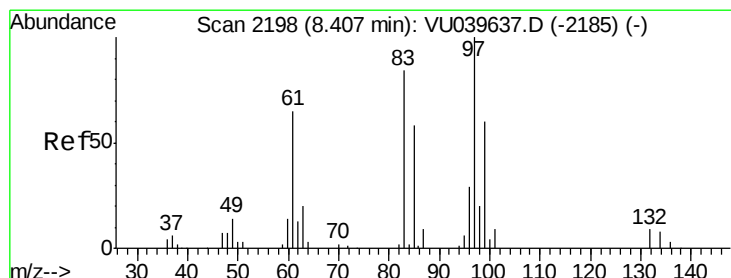
Abundance

Ion 75.00 (74.70 to 75.70): VU039646.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VU039646.D (-2046) (-)

8.22

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.818 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Tgt Ion: 97 Resp: 2628

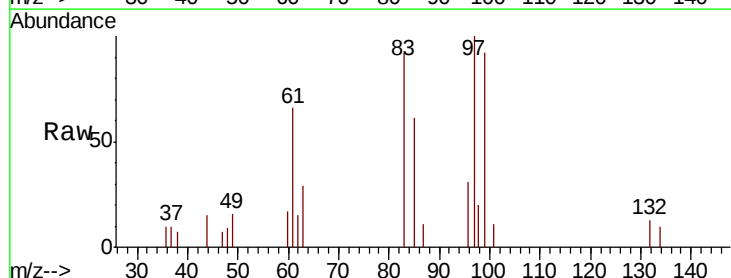
Ion Ratio Lower Upper

97 100

99 91.9 45.1 83.9#

83 91.6 62.7 116.5

85 60.9 41.0 76.2



Abundance Ion 97.00 (96.70 to 97.70): VU039637.D (-2185) (-)

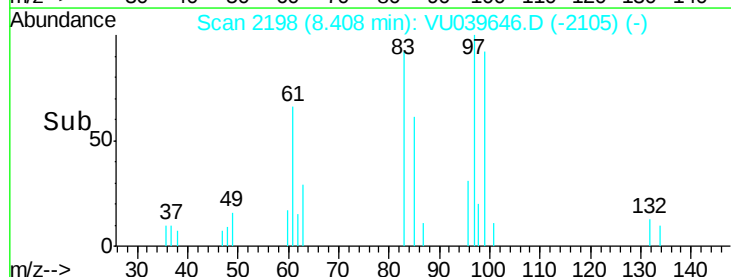
Ion 99.00 (98.70 to 99.70): VU039637.D (-2185) (-)

Ion 83.00 (82.70 to 83.70): VU039637.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039637.D (-2185) (-)

8.41

Time-->



Abundance

Ion 97.00 (96.70 to 97.70): VU039646.D (-2105) (-)

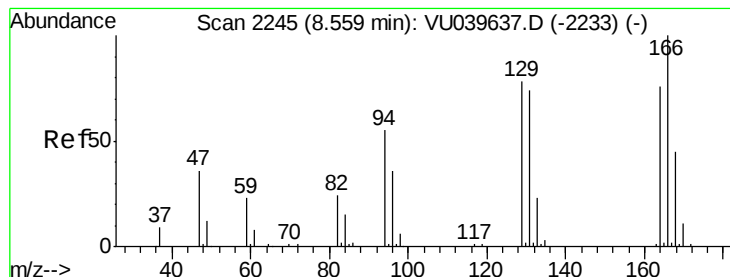
Ion 99.00 (98.70 to 99.70): VU039646.D (-2105) (-)

Ion 83.00 (82.70 to 83.70): VU039646.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU039646.D (-2105) (-)

8.41

Time-->



#46

Tetrachloroethene

Concen: 1.950 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 2185

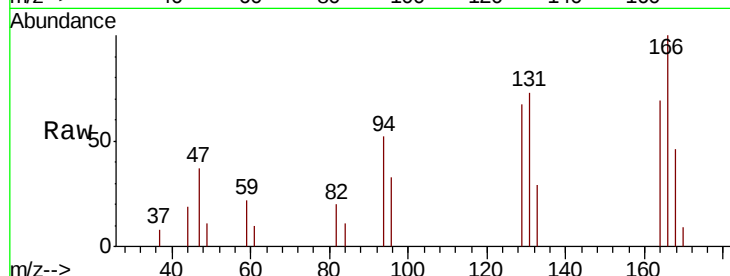
Ion Ratio Lower Upper

164 100

129 96.8 71.1 132.1

131 105.7 70.3 130.5

166 144.7 87.8 163.0

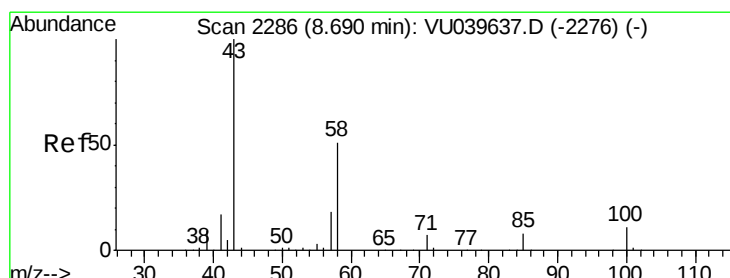
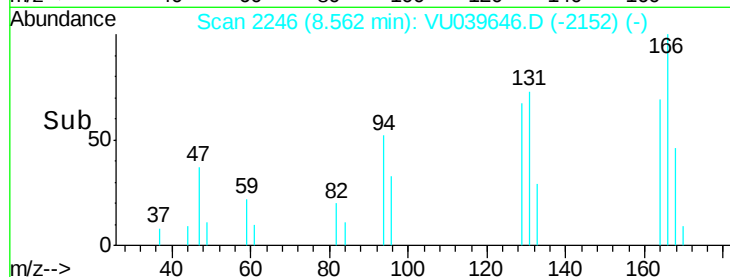
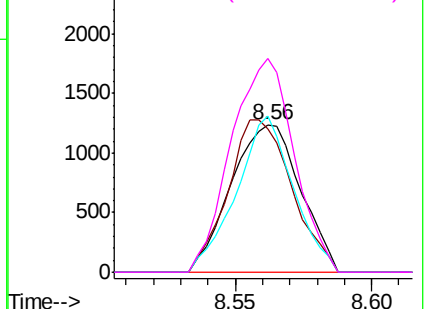


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.592 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Tgt Ion: 43 Resp: 12035

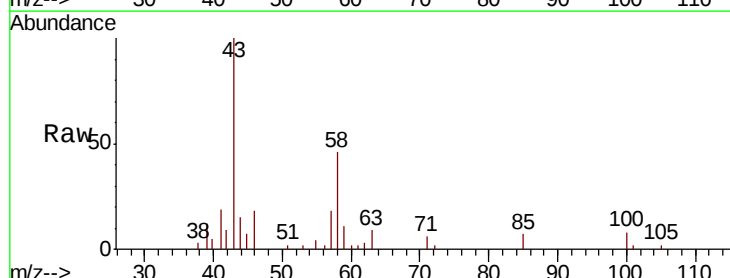
Ion Ratio Lower Upper

43 100

58 48.7 40.6 61.0

57 18.6 14.5 21.7

100 8.6 8.0 12.0

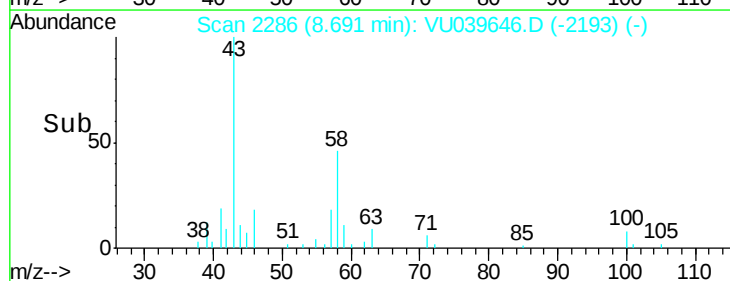
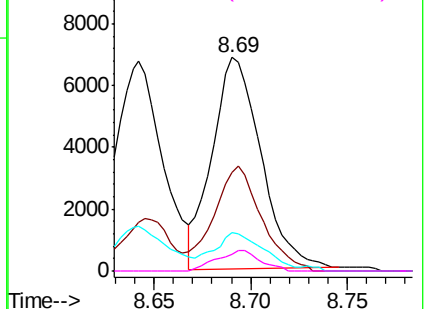


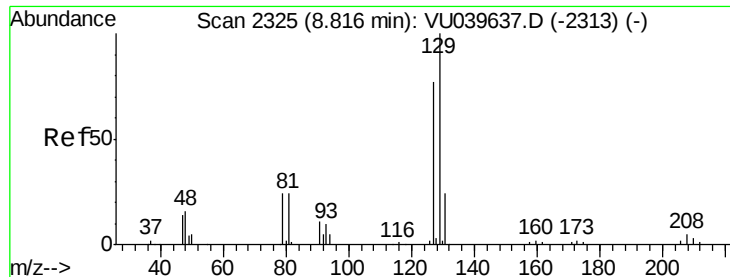
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

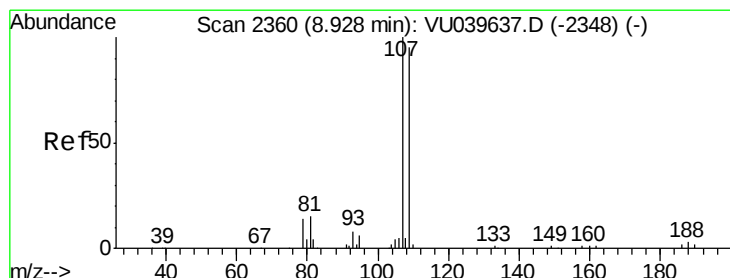
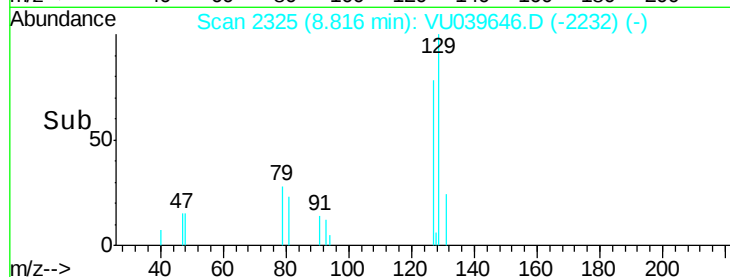
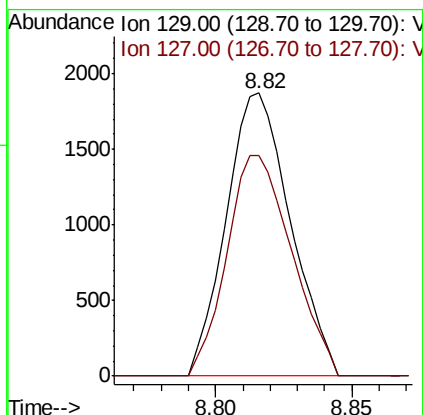
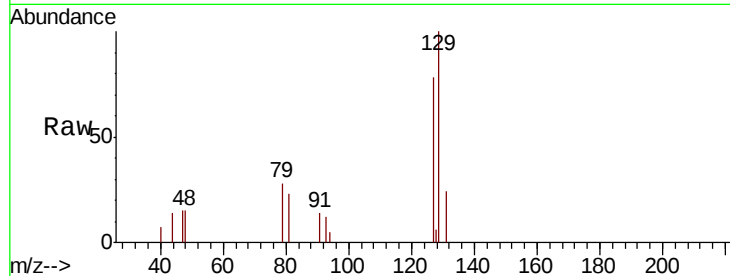




#49
Dibromochloromethane
Concen: 1.873 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

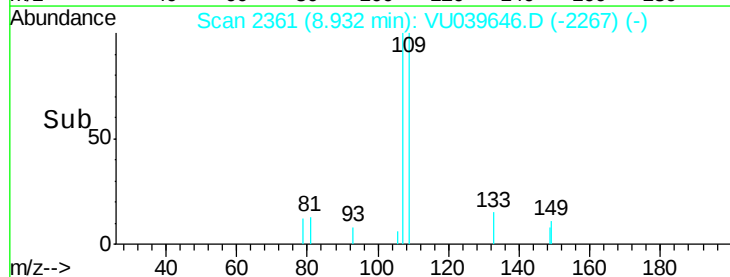
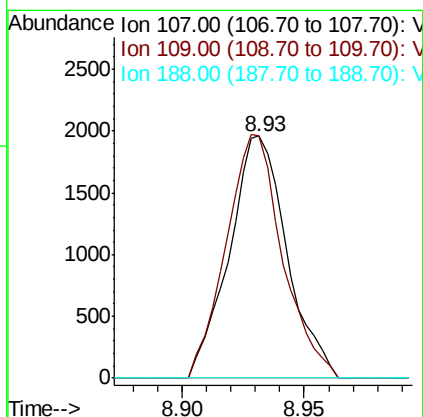
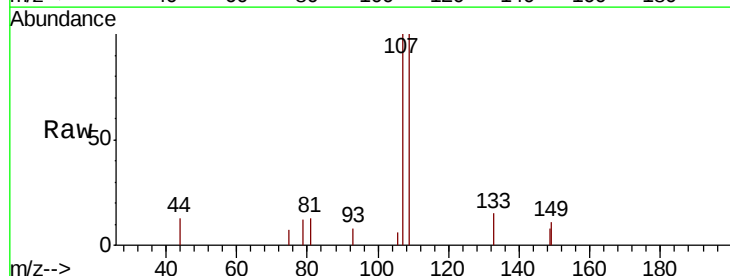
Instrument :
MSVOA_U
ClientSampleId :

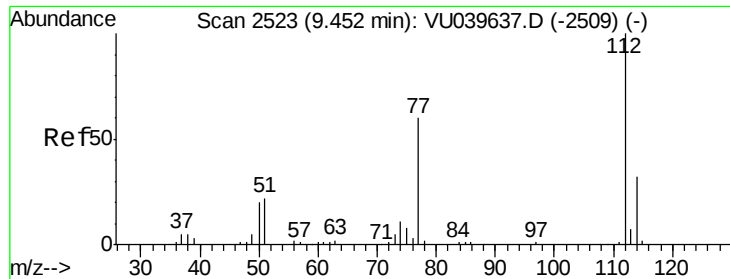
Tot Ion:129 Resp: 3058
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.9



#50
1,2-Dibromoethane
Concen: 1.991 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion:107 Resp: 3202
Ion Ratio Lower Upper
107 100
109 100.2 66.8 124.2
188 0.0 3.0 4.4#

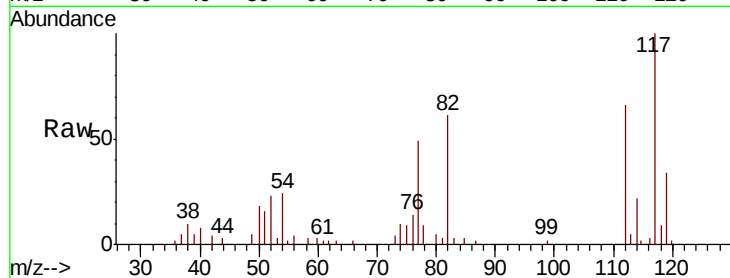




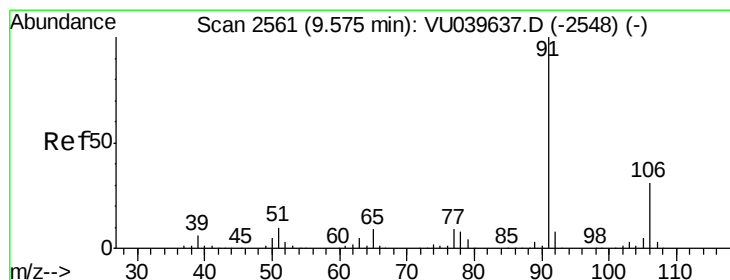
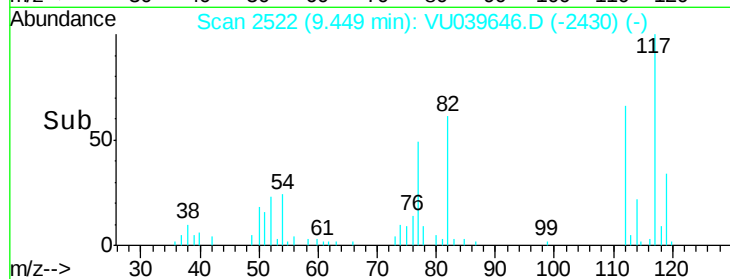
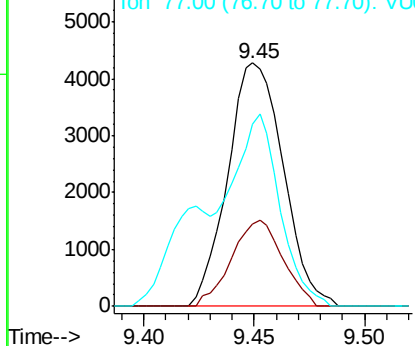
#51
Chlorobenzene
Concen: 1.907 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 7494
Ion Ratio Lower Upper
112 100
114 36.6 22.9 42.5
77 74.8 49.4 74.0#

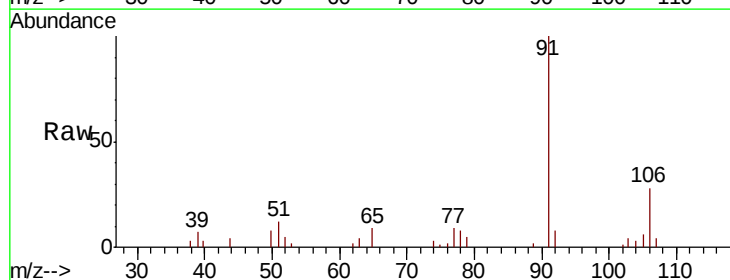


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

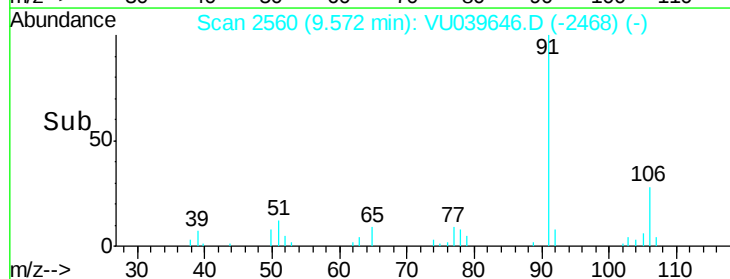
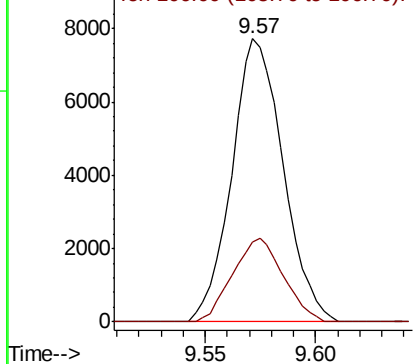


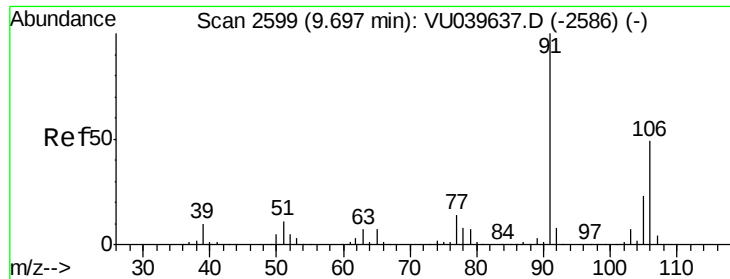
#52
Ethylbenzene
Concen: 1.834 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion: 91 Resp: 12481
Ion Ratio Lower Upper
91 100
106 28.0 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: 1.903 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

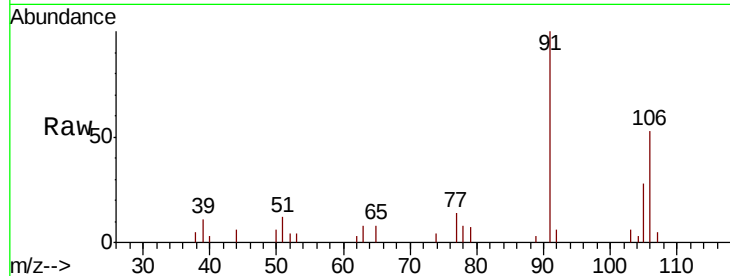
ClientSampleId :

Tot Ion:106 Resp: 4881

Ion Ratio Lower Upper

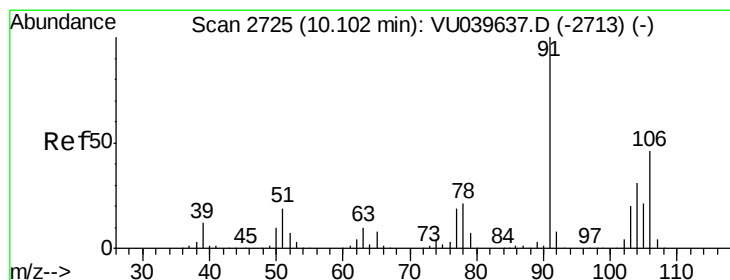
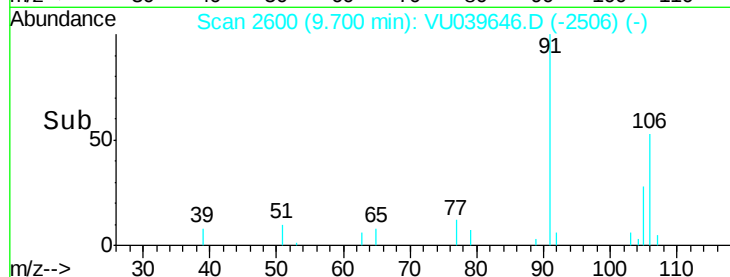
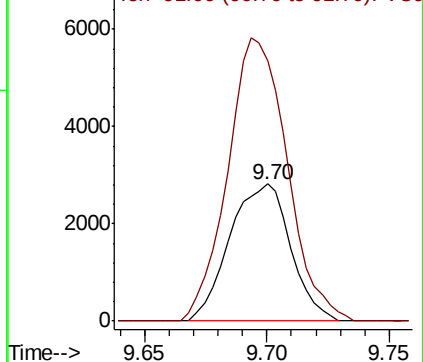
106 100

91 189.5 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.749 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039646.D

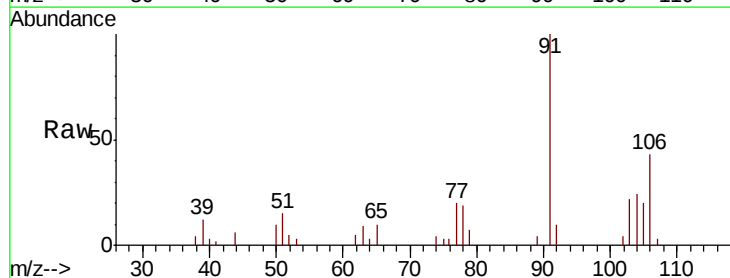
Acq: 23 Jul 2020 18:41

Tgt Ion:106 Resp: 4305

Ion Ratio Lower Upper

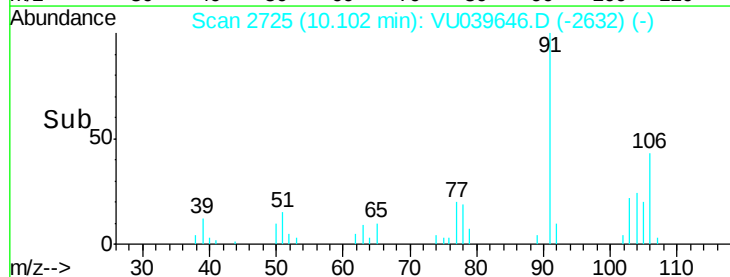
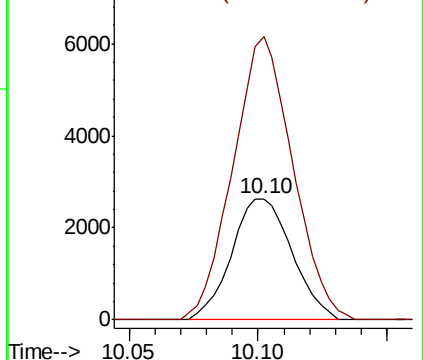
106 100

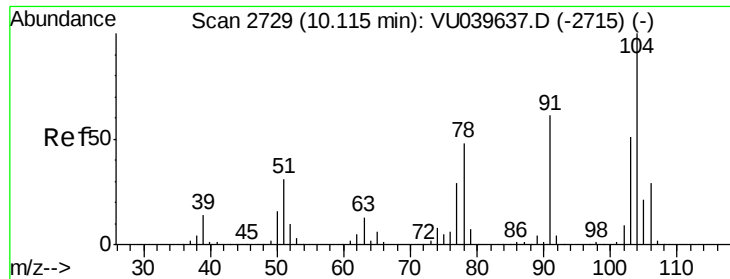
91 233.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

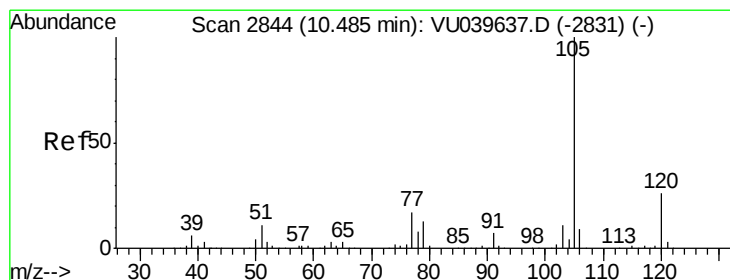
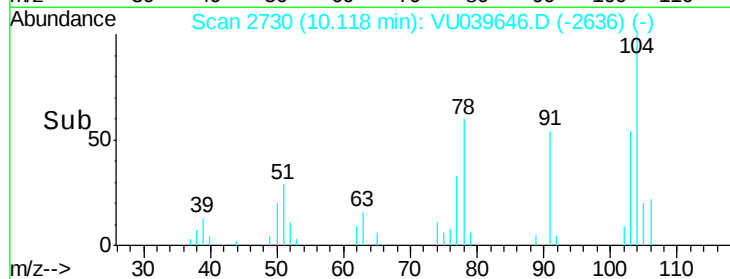
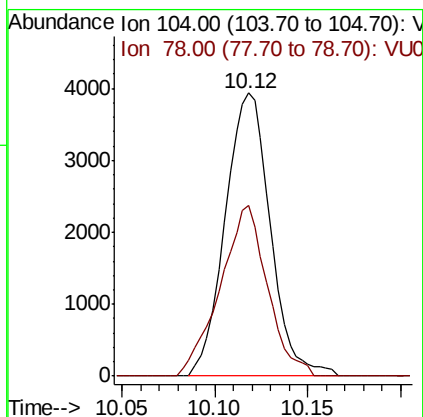
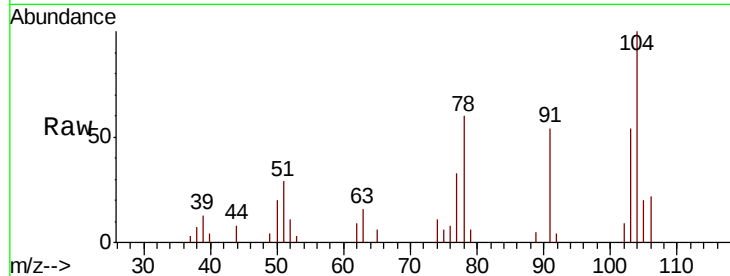




#55
Stvrene
Concen: 1.561 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

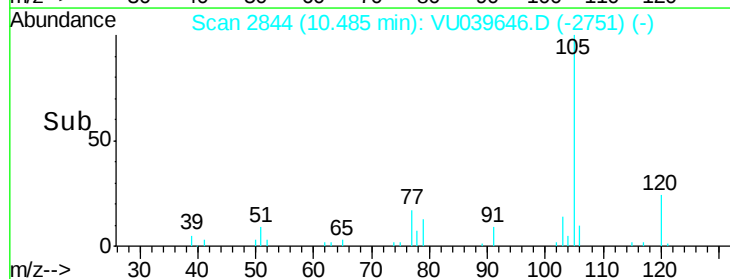
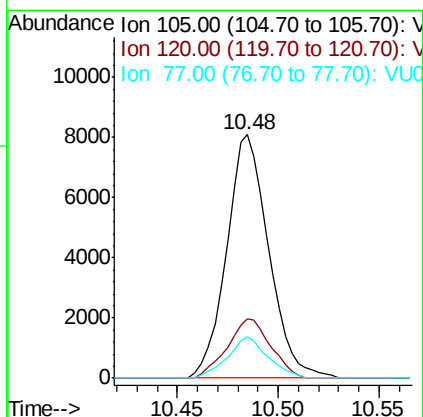
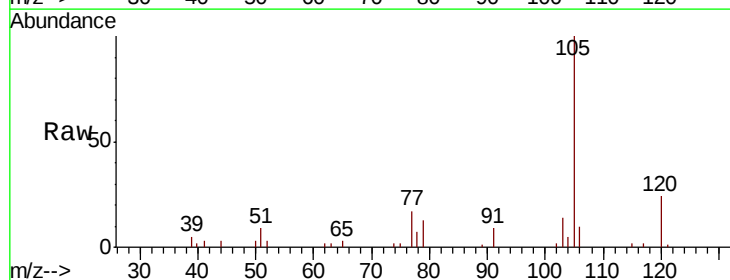
Instrument :
MSVOA_U
ClientSampled :

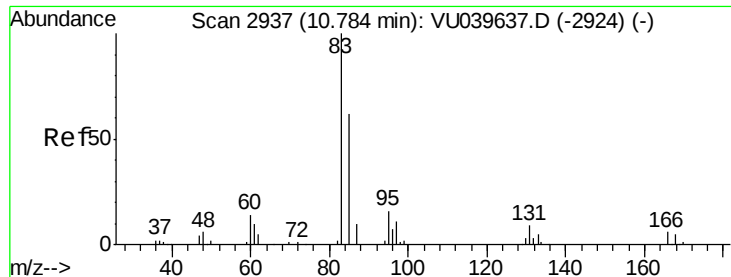
Tot Ion:104 Resp: 6651
Ion Ratio Lower Upper
104 100
78 60.1 34.3 63.7



#56
Isopropylbenzene
Concen: 1.769 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 18:41

Tgt Ion:105 Resp: 11823
Ion Ratio Lower Upper
105 100
120 25.0 20.6 31.0
77 16.3 13.4 20.2





#58

1,1,2,2-Tetrachloroethane

Concen: 1.992 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

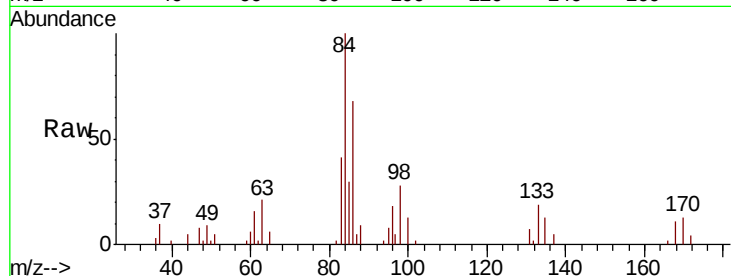
Tot Ion: 83 Resp: 5248

Ion Ratio Lower Upper

83 100

85 72.6 46.4 86.2

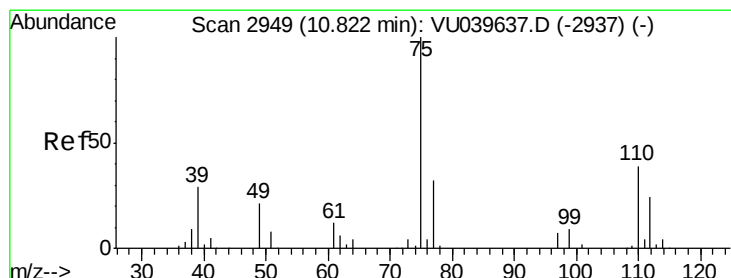
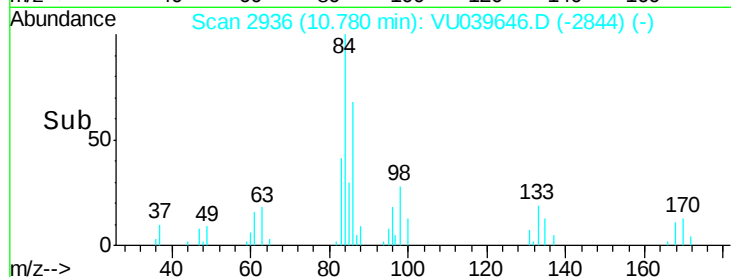
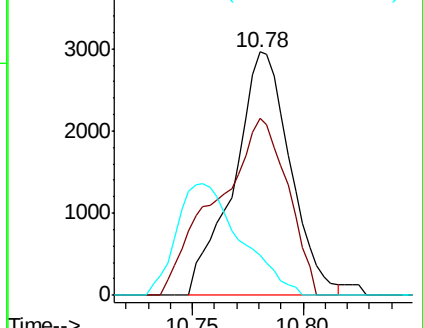
131 16.4 7.8 11.6#



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: 1.881 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039646.D

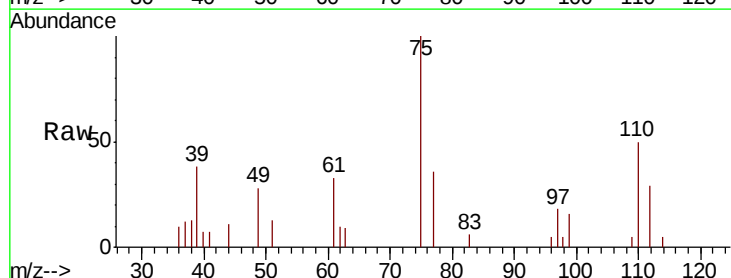
Acq: 23 Jul 2020 18:41

Tgt Ion: 75 Resp: 4138

Ion Ratio Lower Upper

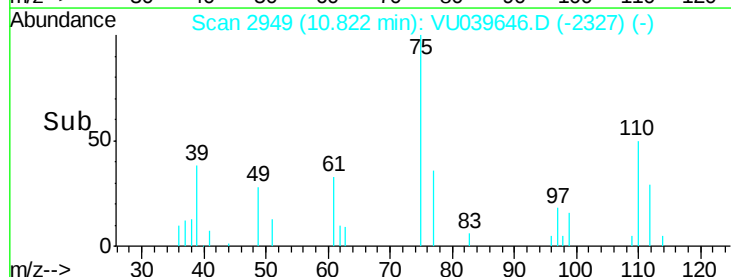
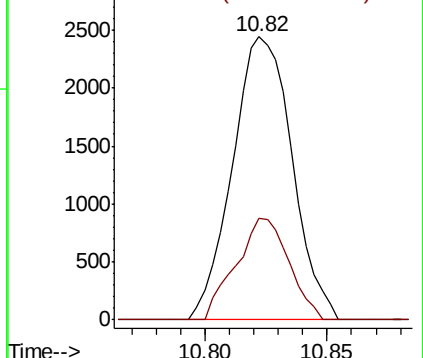
75 100

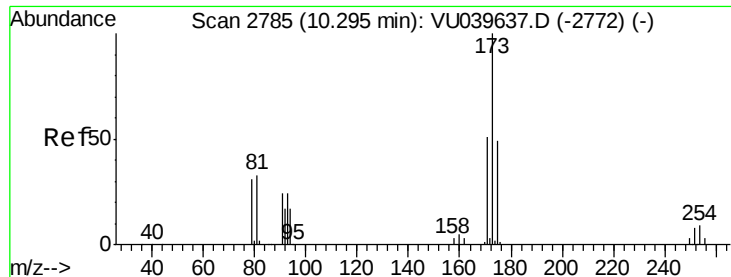
77 31.9 25.4 38.2



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: 1.705 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

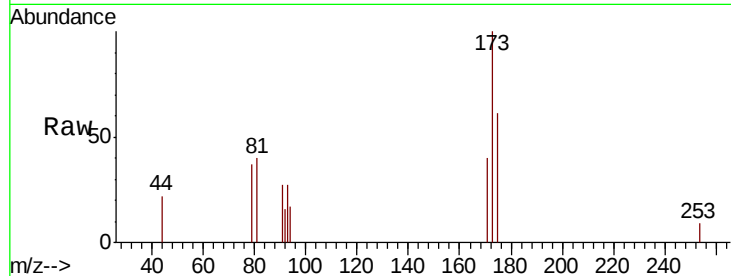
Tot Ion:173 Resp: 1909

Ion Ratio Lower Upper

173 100

175 57.8 38.4 57.6#

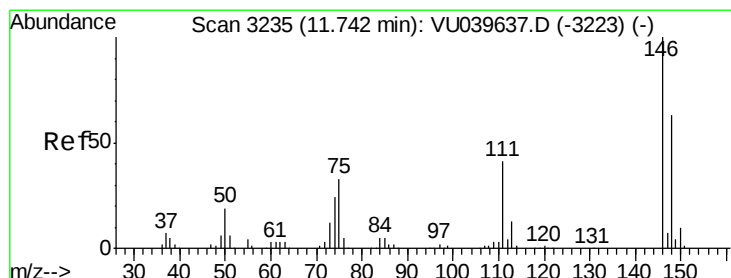
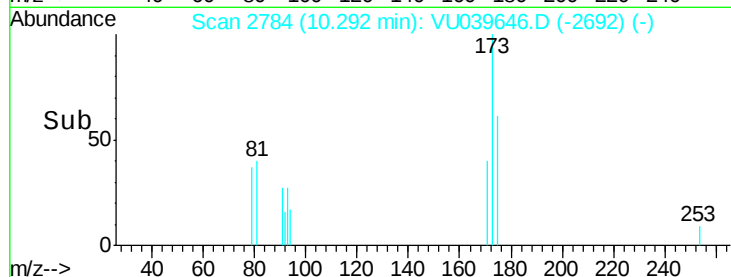
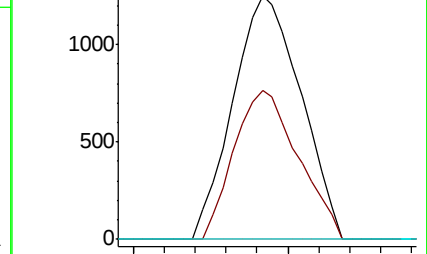
254 0.0 7.0 10.6#



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: 2.038 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

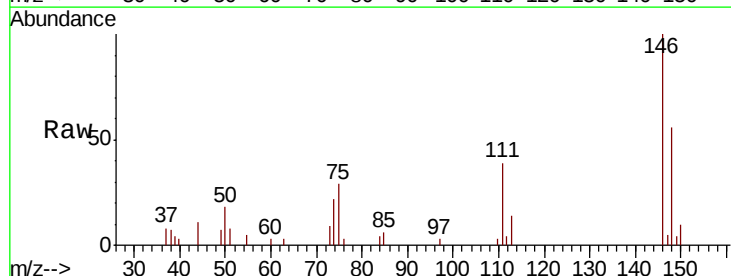
Tgt Ion:146 Resp: 5910

Ion Ratio Lower Upper

146 100

111 39.1 29.3 54.3

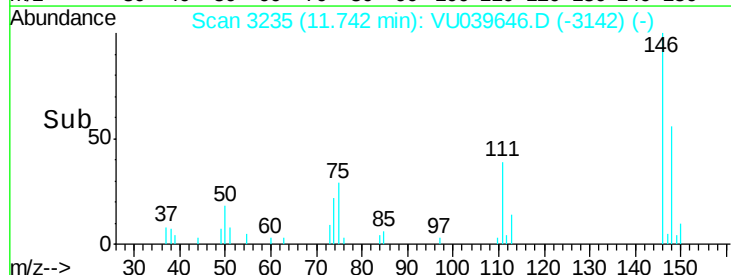
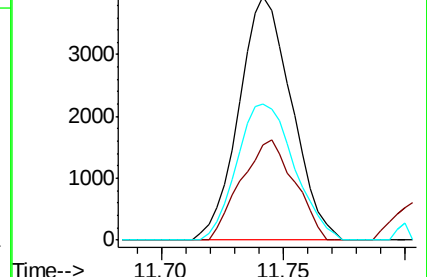
148 55.9 46.1 85.5

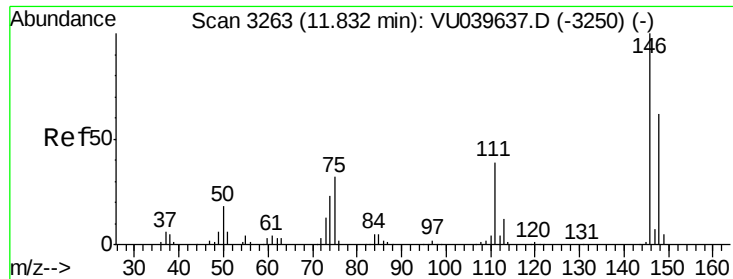


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 2.021 ug/L

RT: 11.84 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampled :

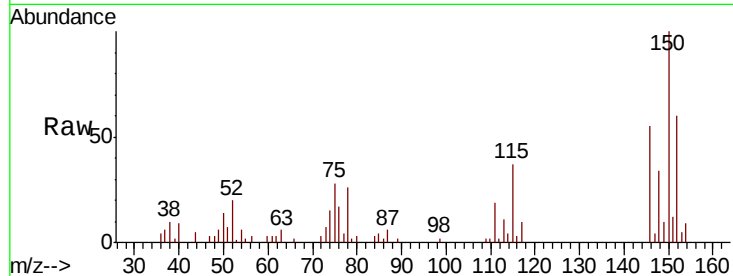
Tot Ion:146 Resp: 5872

Ion Ratio Lower Upper

146 100

111 33.8 27.8 51.6

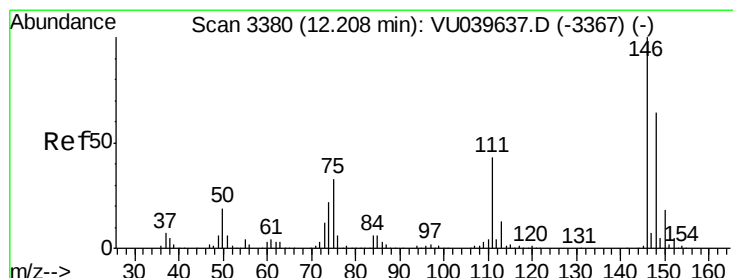
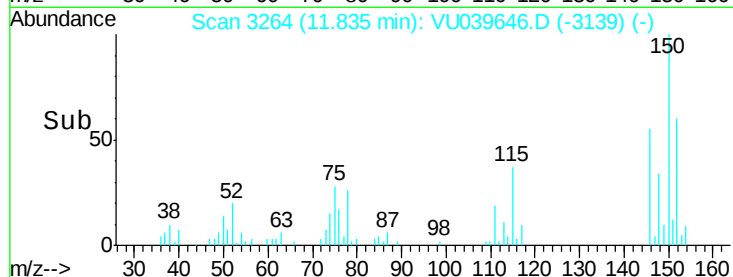
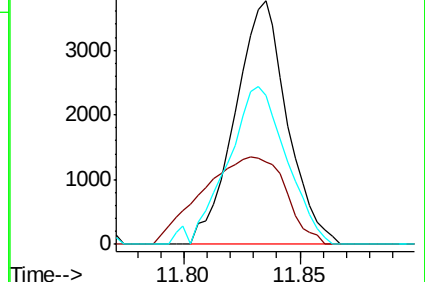
148 61.1 44.7 83.1



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



#65

1,2-Dichlorobenzene

Concen: 2.105 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

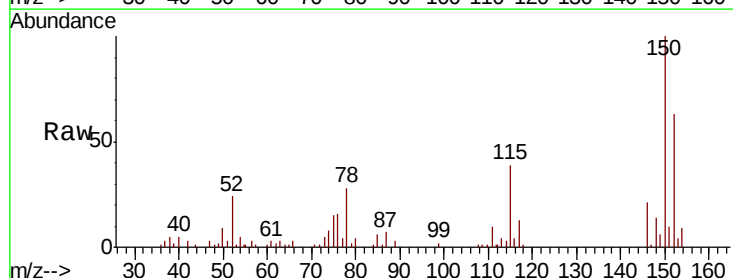
Tgt Ion:146 Resp: 6168

Ion Ratio Lower Upper

146 100

111 45.9 34.8 52.2

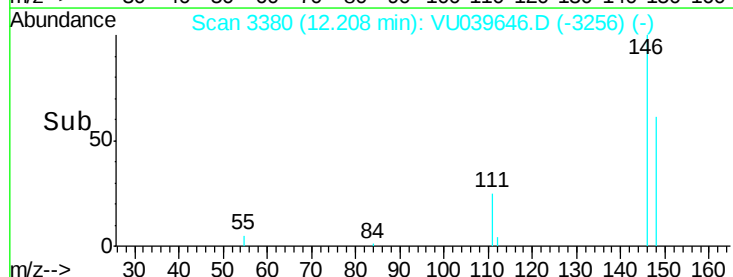
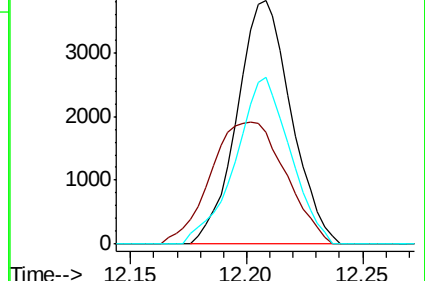
148 68.4 52.5 78.7

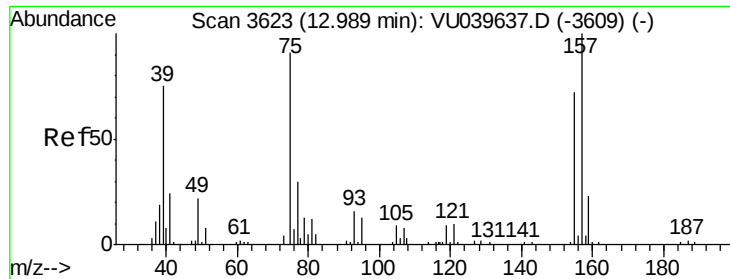


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

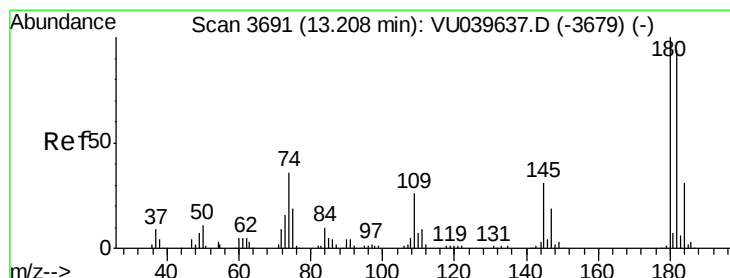
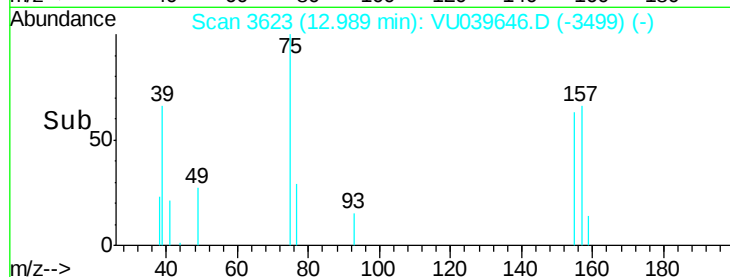
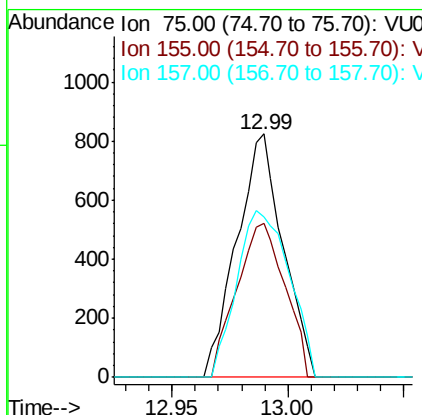
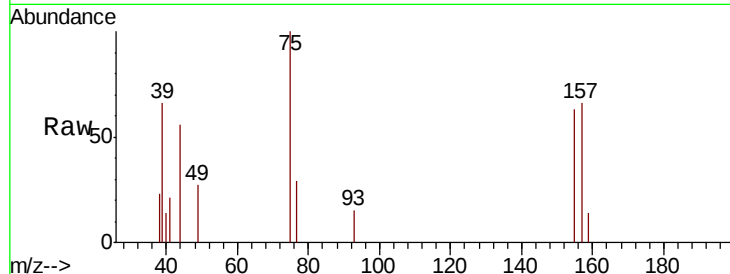




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.953 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

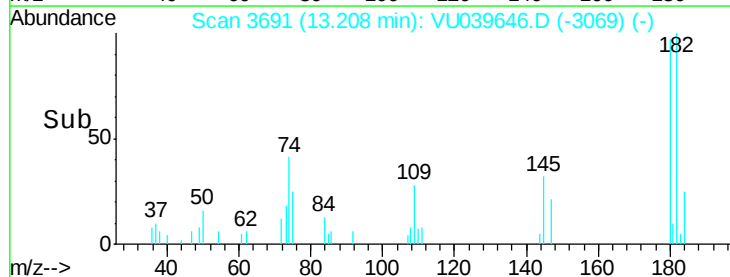
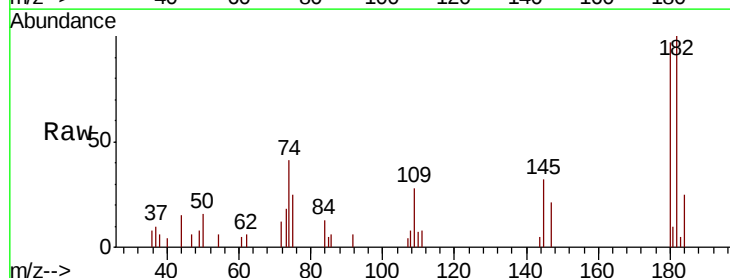
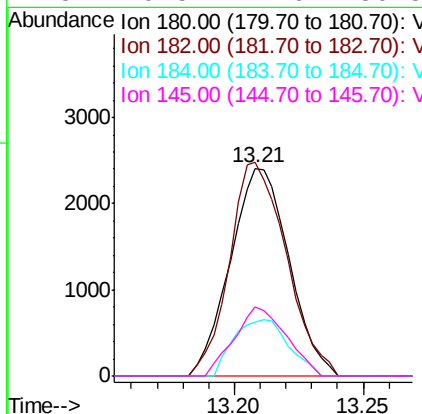
Instrument :
 MSVOA_U
 ClientSampled :

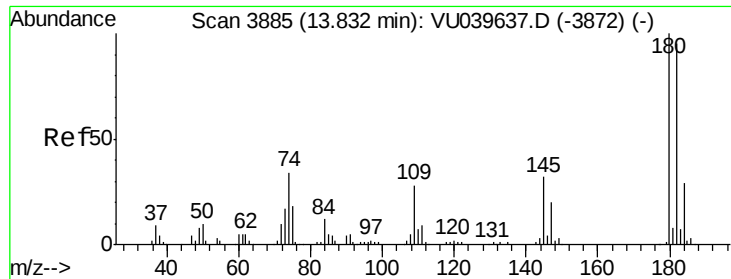
Tot Ion: 75 Resp: 1145
 Ion Ratio Lower Upper
 75 100
 155 63.1 62.4 93.6
 157 65.7 78.9 118.3#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.826 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion: 180 Resp: 3819
 Ion Ratio Lower Upper
 180 100
 182 99.7 75.7 113.5
 184 25.6 24.2 36.2
 145 29.5 24.6 36.8

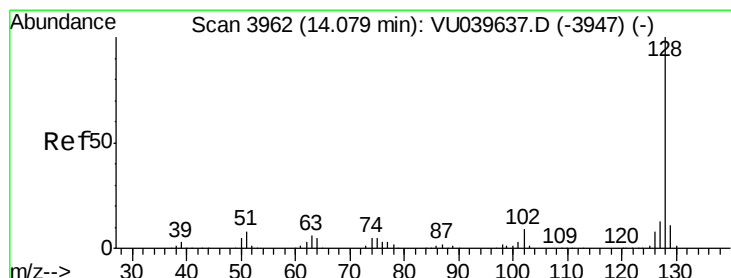
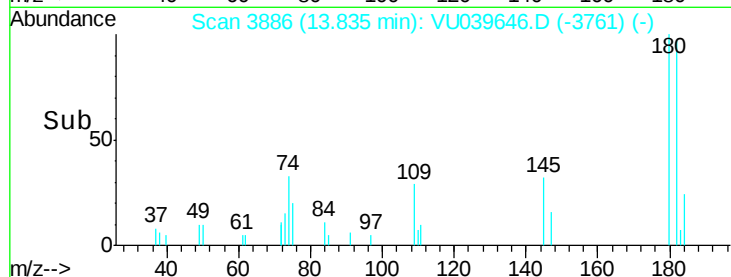
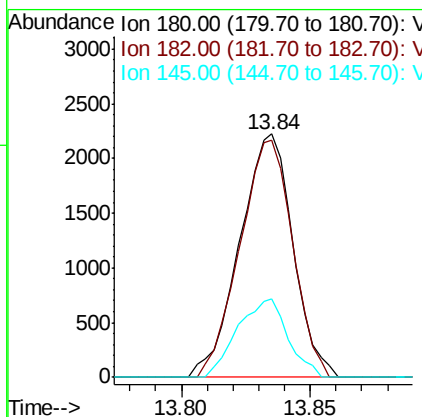
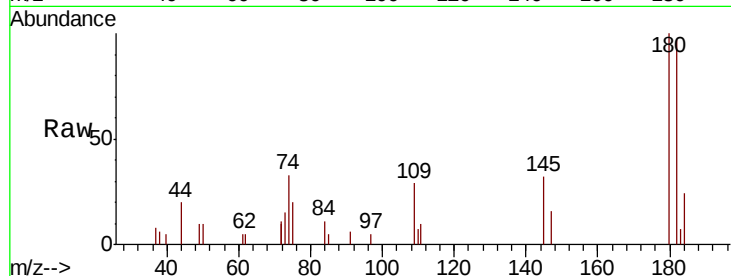




#68
 1,2,4-trichlorobenzene
 Concen: 1.802 ug/L
 RT: 13.84 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

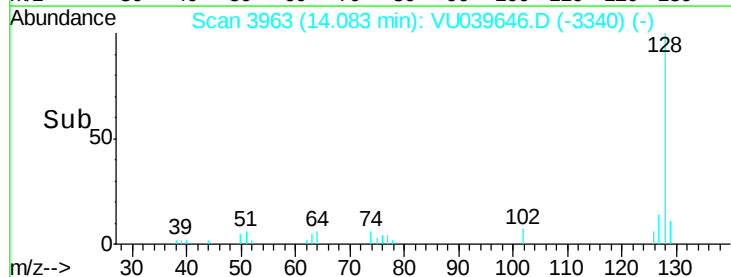
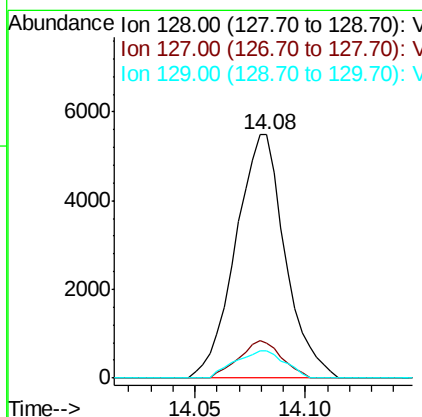
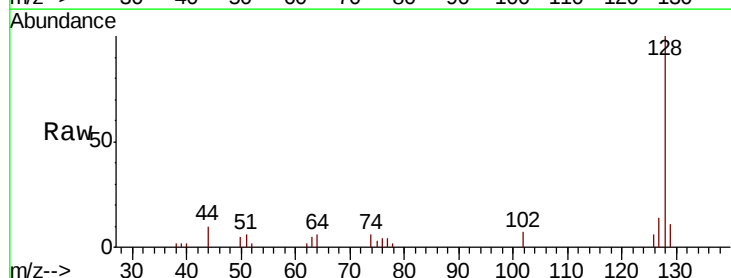
Instrument :
 MSVOA_U
 ClientSampleId :

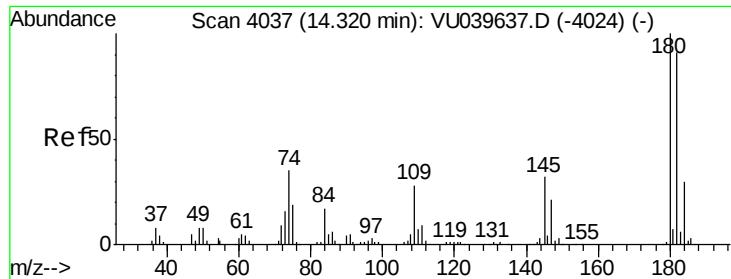
Tot Ion:180 Resp: 3199
 Ion Ratio Lower Upper
 180 100
 182 96.2 74.4 111.6
 145 30.3 24.8 37.2



#69
 Naphthalene
 Concen: 1.608 ug/L
 RT: 14.08 min Scan# 3963
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 18:41

Tgt Ion:128 Resp: 8560
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.7 16.1
 129 11.1 8.8 13.2





#70

1,2,3-Trichlorobenzene

Concen: 1.798 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

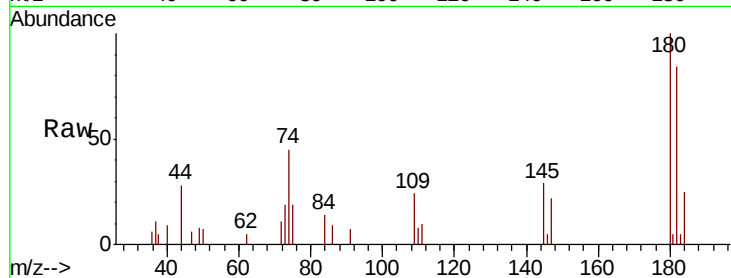
Lab File: VU039646.D

Acq: 23 Jul 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :



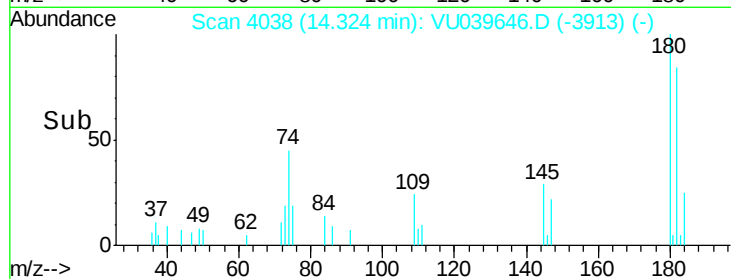
Tot Ion:180 Resp: 3224

Ion Ratio Lower Upper

180 100

182 93.3 76.6 114.8

145 29.3 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

