

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039643.D
 Acq On : 23 Jul 2020 17:35
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:04:47 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	191749	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85109	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54730	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.68%
7) Chloroethane-d5	1.92	69	66013	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.26%
11) 1,1-Dichloroethene-d2	2.58	63	88957	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.34%
21) 2-Butanone-d5	4.65	46	138913	96.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.39%
24) Chloroform-d	5.09	84	126277	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.72	65	91213	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.75	84	239144	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.70	67	79355	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.10%
41) Toluene-d8	7.91	98	220892	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%
43) trans-1,3-Dichloropropene-	8.19	79	38688	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
47) 2-Hexanone-d5	8.64	63	85611	95.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.02%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	118737	45.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	87558	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2329	1.783 ug/L	97
3) Chloromethane	1.53	50	2644	1.948 ug/L	97
5) Vinyl chloride	1.61	62	2843	2.062 ug/L #	69
6) Bromomethane	1.86	94	2343	2.261 ug/L	97
9) Trichlorofluoromethane	2.15	101	4410	1.810 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1220	1.040 ug/L #	79
12) 1,1-Dichloroethene	2.59	96	2910	2.660 ug/L #	1
13) Acetone	2.65	43	3661	3.817 ug/L	91
14) Carbon disulfide	2.81	76	6493	1.855 ug/L #	94
15) Methyl Acetate	2.97	43	3385	1.970 ug/L	100
16) Methylene chloride	3.06	84	2485	1.897 ug/L	92
17) trans-1,2-Dichloroethene	3.37	96	2154	1.770 ug/L	97
18) Methyl tert-butyl Ether	3.38	73	7229	1.838 ug/L #	79
19) 1,1-Dichloroethane	3.90	63	4315	1.817 ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	2638	1.896 ug/L #	63
23) Bromochloromethane	5.00	128	1425	2.038 ug/L	88
25) Chloroform	5.11	83	8711	3.306 ug/L	98

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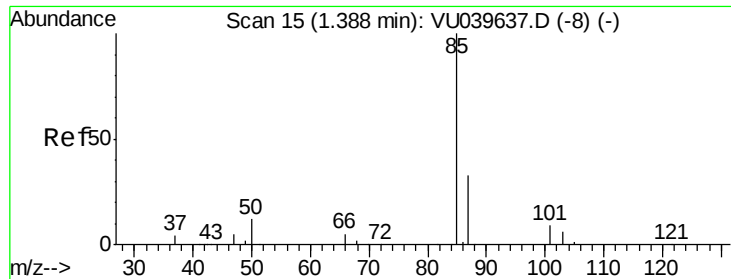
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:04:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.81	62	3907	1.788	ug/L	99
29) Cyclohexane	5.41	56	4017	2.038	ug/L	91
30) 1,1,1-Trichloroethane	5.33	97	2742	1.263	ug/L #	63
31) Carbon tetrachloride	5.55	117	3559	1.976	ug/L	97
33) Benzene	5.79	78	10592	2.119	ug/L	100
34) Trichloroethene	6.56	95	2635	1.993	ug/L	96
35) Methylcyclohexane	6.78	83	3347	1.637	ug/L	94
37) 1,2-Dichloropropane	6.81	63	2644	1.953	ug/L #	89
38) Bromodichloromethane	7.12	83	3390	1.886	ug/L	85
39) cis-1,3-Dichloropropene	7.62	75	3891	1.924	ug/L	90
40) 4-Methyl-2-pentanone	7.80	43	9145	3.878	ug/L	98
42) Toluene	7.98	91	10014	1.821	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	3270	1.651	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2773	2.148	ug/L	88
46) Tetrachloroethene	8.56	164	1745	1.745	ug/L	90
48) 2-Hexanone	8.69	43	10704	5.571	ug/L #	96
49) Dibromochloromethane	8.82	129	2514	1.725	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2868	1.997	ug/L #	89
51) Chlorobenzene	9.45	112	6730	1.918	ug/L	88
52) Ethylbenzene	9.57	91	10584	1.742	ug/L	100
53) m,p-Xylene	9.70	106	3770	1.646	ug/L	97
54) o-xylene	10.11	106	3586	1.632	ug/L	82
55) Styrene	10.11	104	5971	1.570	ug/L	97
56) Isopropylbenzene	10.49	105	9917	1.662	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	4946	2.102	ug/L #	88
59) 1,2,3-Trichloropropane	10.82	75	3711	1.890	ug/L	96
61) Bromoform	10.29	173	1705	1.694	ug/L #	93
62) 1,3-Dichlorobenzene	11.74	146	4455	1.709	ug/L	89
63) 1,4-Dichlorobenzene	11.83	146	4990	1.911	ug/L #	90
65) 1,2-Dichlorobenzene	12.21	146	5325	2.021	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	2510	1.573	ug/L	97
69) Naphthalene	14.08	128	7669	1.602	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	2708	1.680	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.783 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

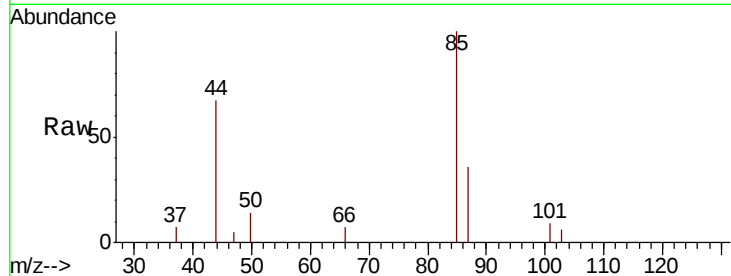
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2329

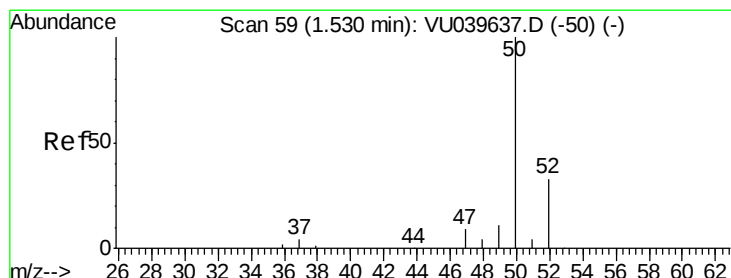
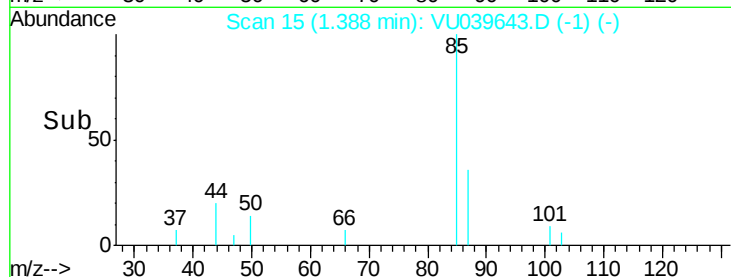
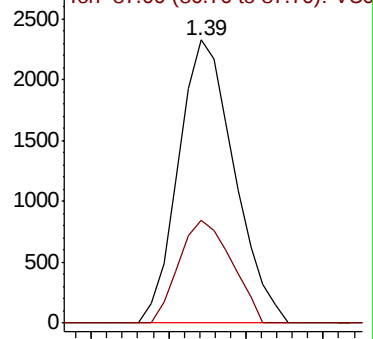
Ion Ratio Lower Upper

85 100

87 34.4 26.2 39.4



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



#3

Chloromethane

Concen: 1.948 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039643.D

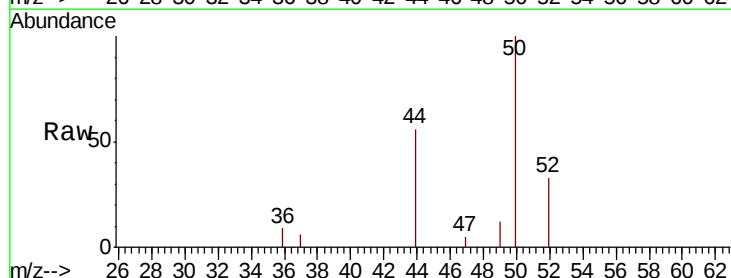
Acq: 23 Jul 2020 17:35

Tgt Ion: 50 Resp: 2644

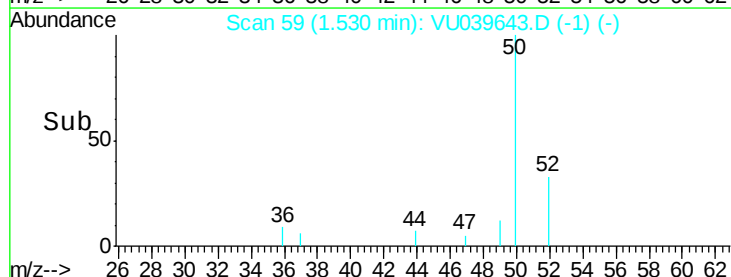
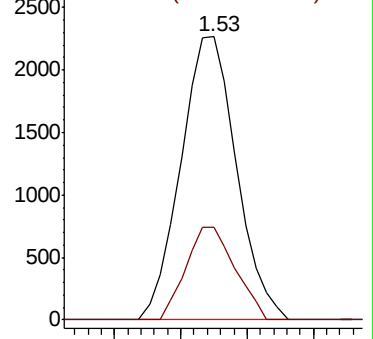
Ion Ratio Lower Upper

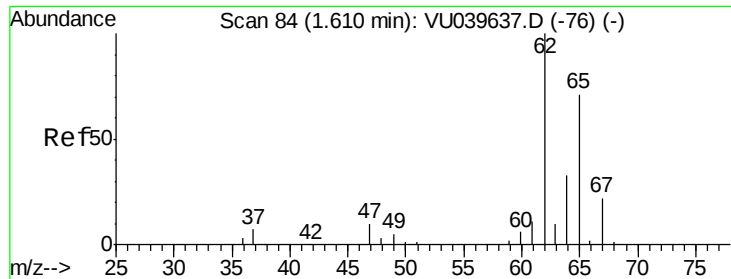
50 100

52 32.8 24.0 44.6



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





#5

Vinyl chloride

Concen: 2.062 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

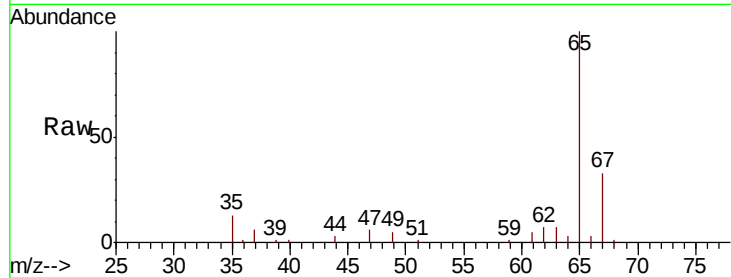
ClientSampleId :

Tot Ion: 62 Resp: 2843

Ion Ratio Lower Upper

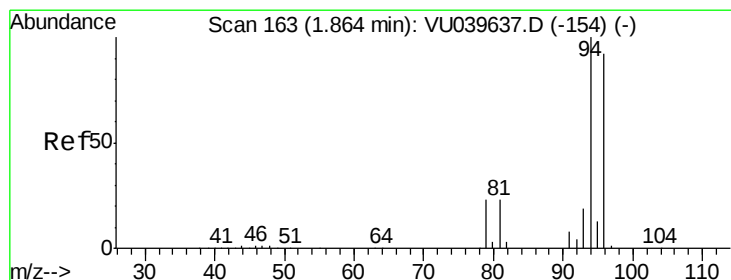
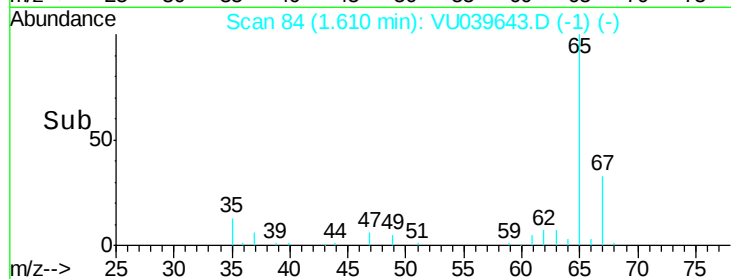
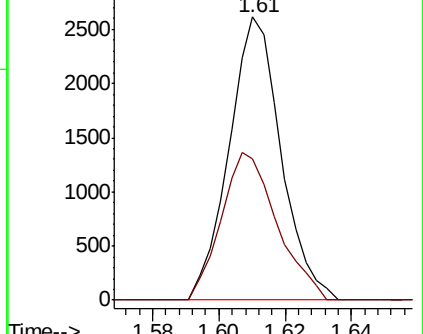
62 100

64 49.8 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: 2.261 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039643.D

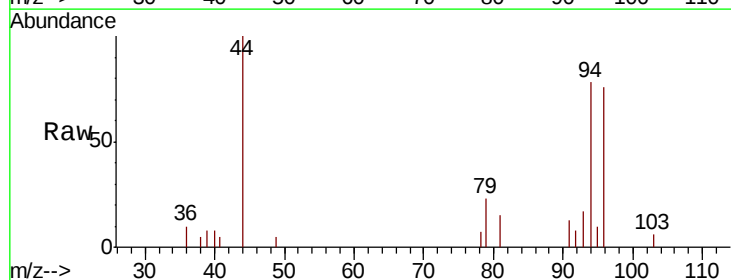
Acq: 23 Jul 2020 17:35

Tgt Ion: 94 Resp: 2343

Ion Ratio Lower Upper

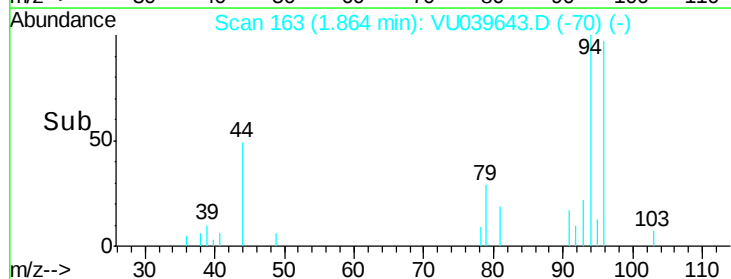
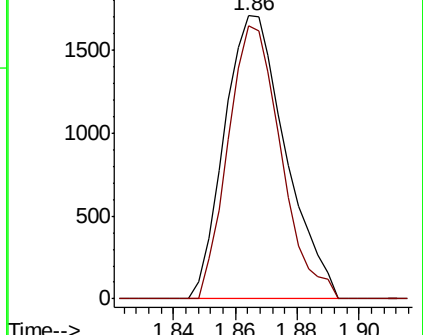
94 100

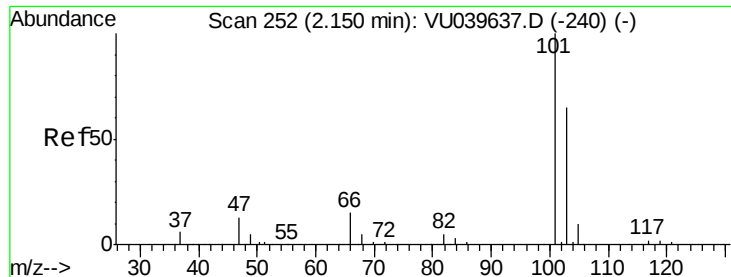
96 96.5 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



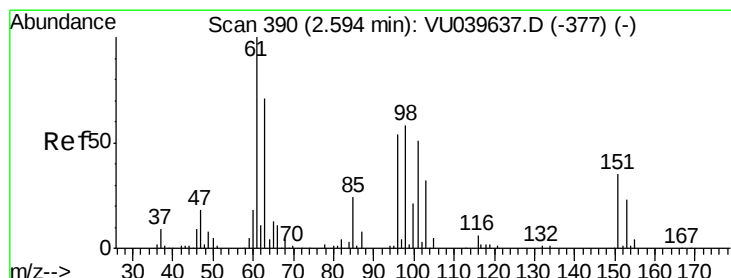
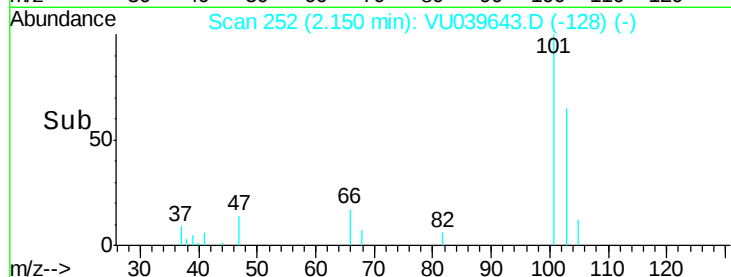
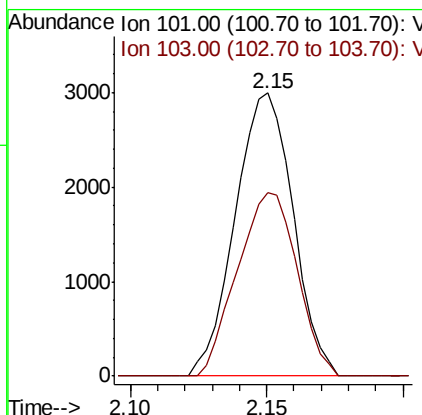
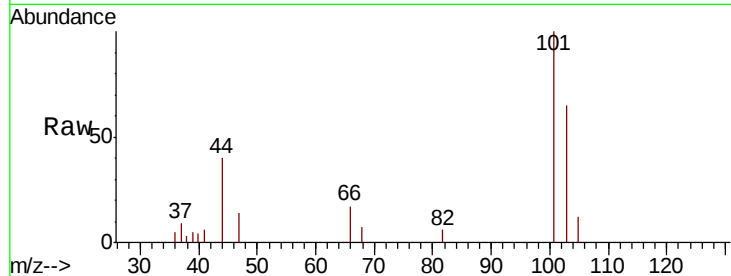


#9

Trichlorofluoromethane
Concen: 1.810 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

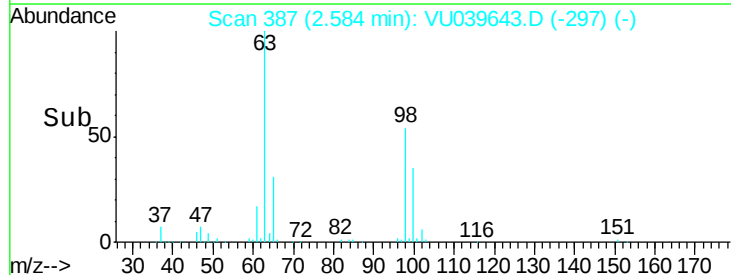
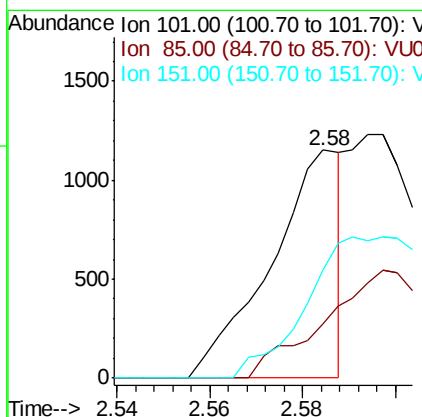
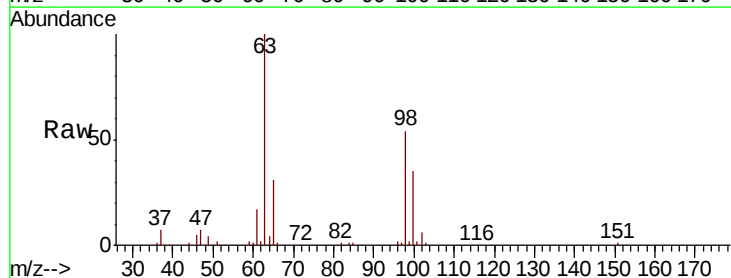
Tot Ion:101 Resp: 4410
Ion Ratio Lower Upper
101 100
103 67.0 52.8 79.2

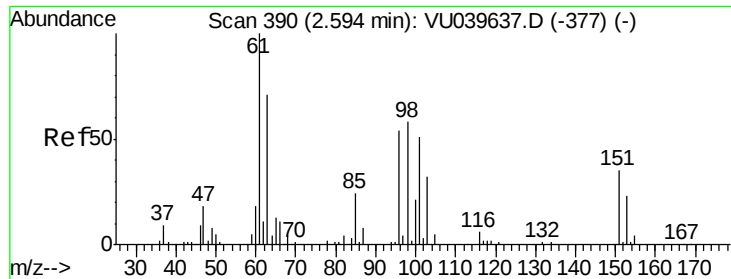


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.040 ug/L
RT: 2.58 min Scan# 387
Delta R.T. -0.01 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion:101 Resp: 1220
Ion Ratio Lower Upper
101 100
85 68.6 39.7 59.5#
151 57.6 57.4 86.2

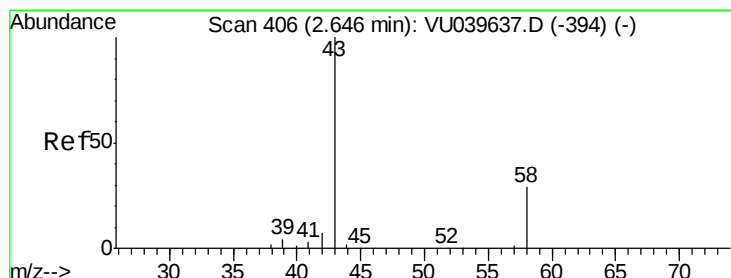
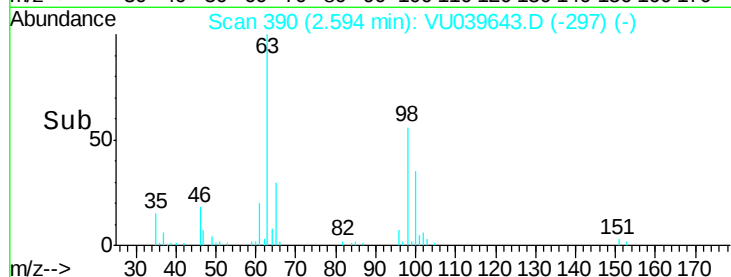
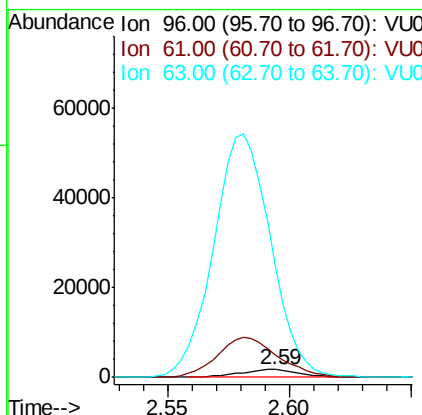
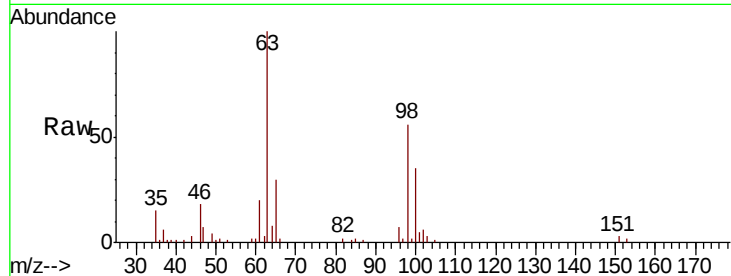




#12
 1,1-Dichloroethene
 Concen: 2.660 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

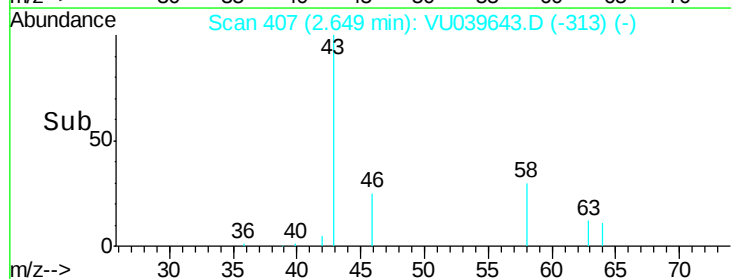
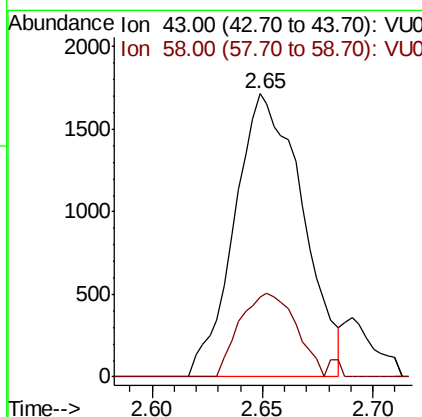
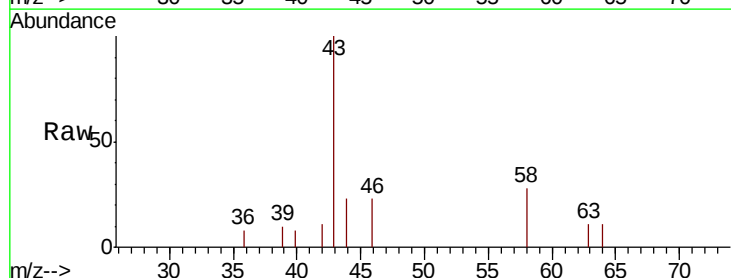
Instrument :
 MSVOA_U
 ClientSampled :

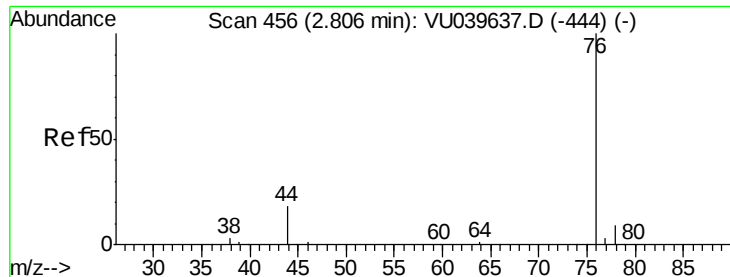
Tot Ion: 96 Resp: 2910
 Ion Ratio Lower Upper
 96 100
 61 291.7 136.6 253.6#
 63 1448.4 97.2 180.6#



#13
 Acetone
 Concen: 3.817 ug/L
 RT: 2.65 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 43 Resp: 3661
 Ion Ratio Lower Upper
 43 100
 58 24.6 0.0 59.4





#14

Carbon disulfide

Concen: 1.855 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

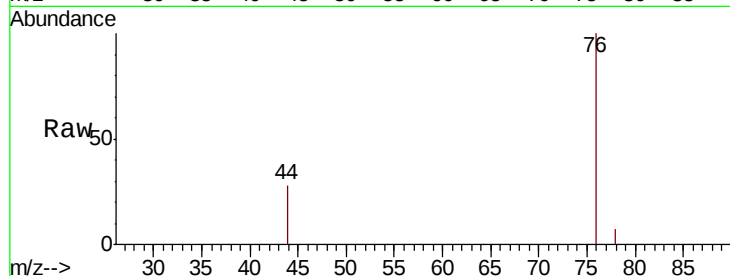
ClientSampleId :

Tot Ion: 76 Resp: 6493

Ion Ratio Lower Upper

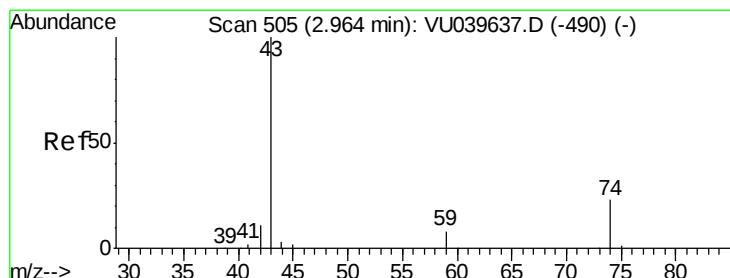
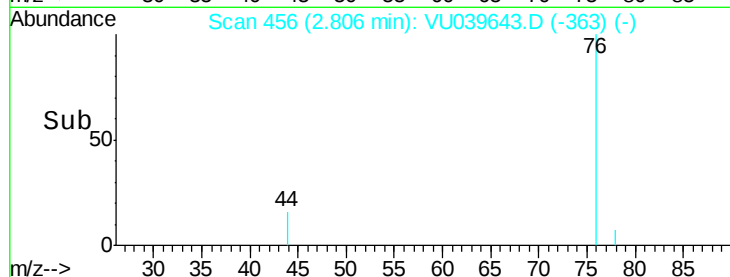
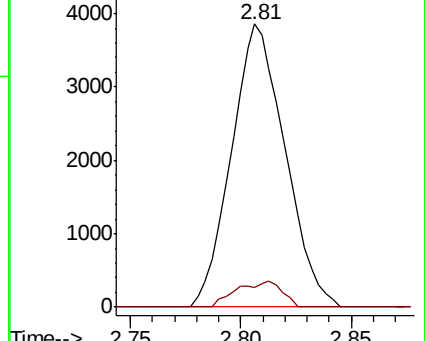
76 100

78 7.1 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU039637.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039637.D (-444) (-)



#15

Methyl Acetate

Concen: 1.970 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039643.D

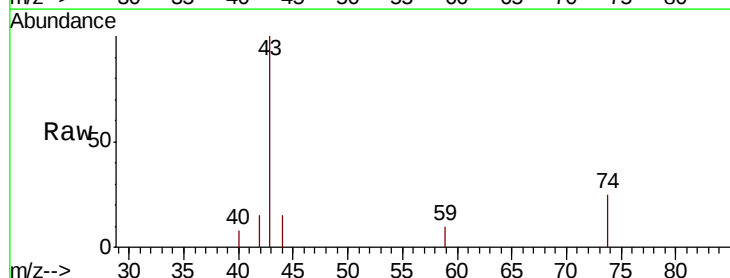
Acq: 23 Jul 2020 17:35

Tgt Ion: 43 Resp: 3385

Ion Ratio Lower Upper

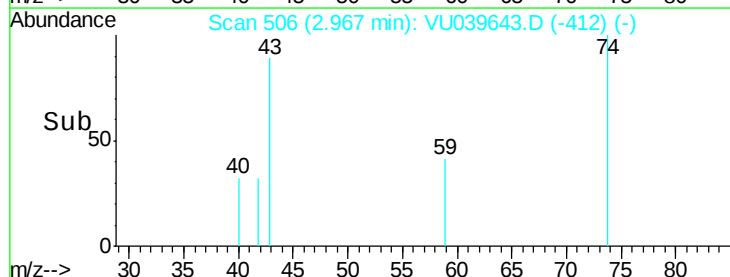
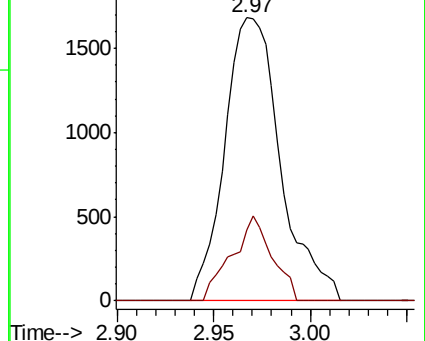
43 100

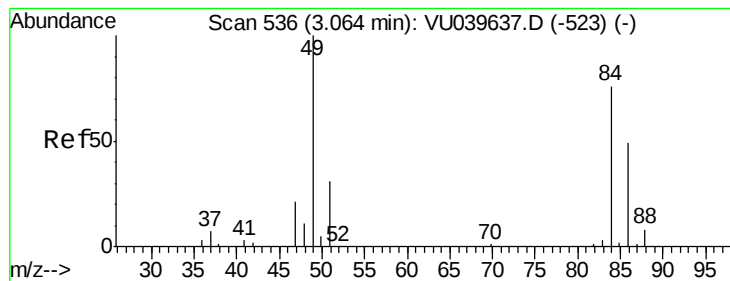
74 21.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-490) (-)

Ion 74.00 (73.70 to 74.70): VU039637.D (-490) (-)





#16

Methvlene chloride

Concen: 1.897 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

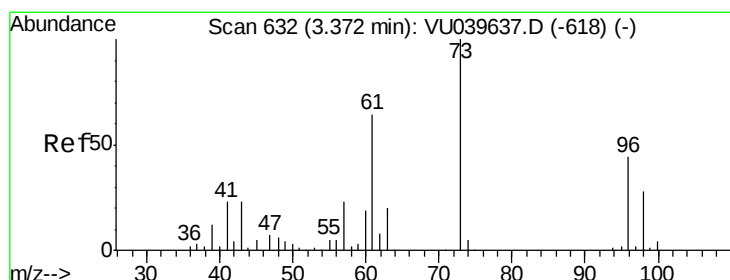
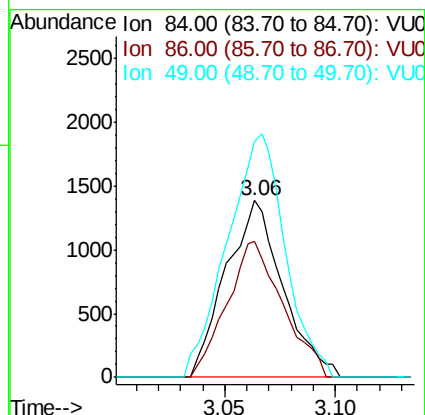
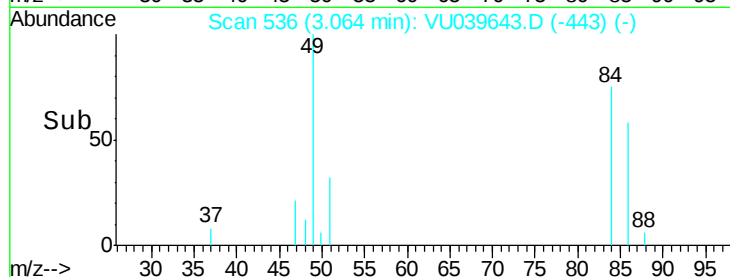
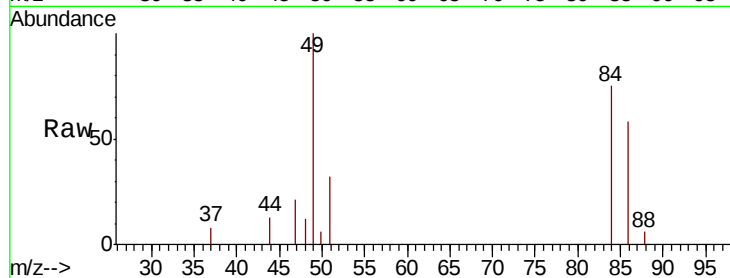
Tot Ion: 84 Resp: 2485

Ion Ratio Lower Upper

84 100

86 77.3 46.2 85.8

49 133.7 97.3 180.7



#17

trans-1,2-Dichloroethene

Concen: 1.770 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

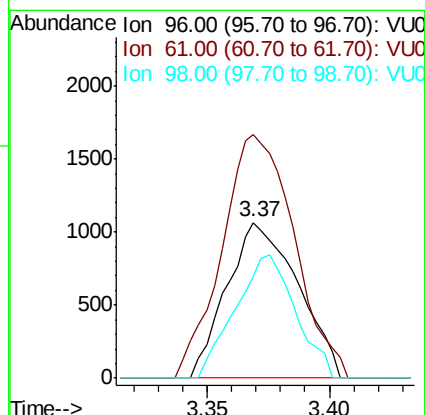
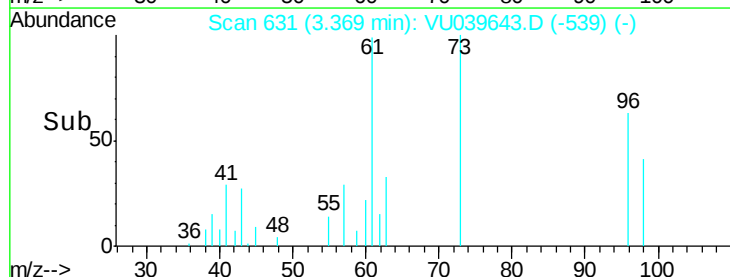
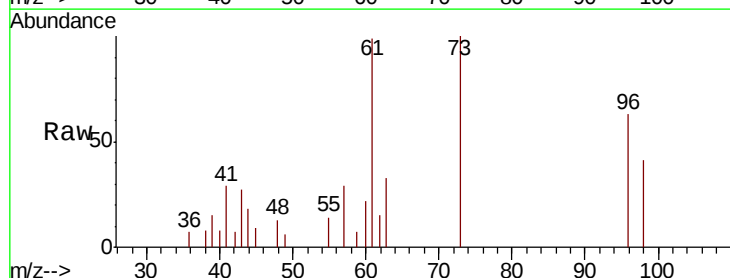
Tgt Ion: 96 Resp: 2154

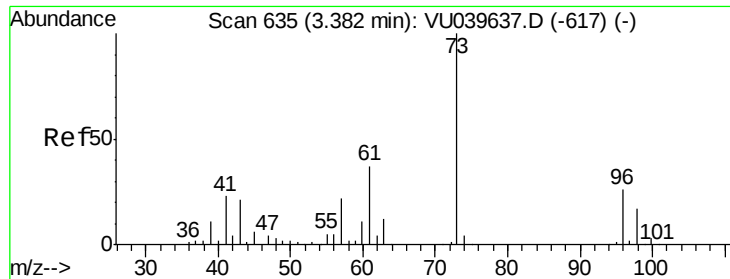
Ion Ratio Lower Upper

96 100

61 156.7 106.7 198.1

98 64.9 44.3 82.3

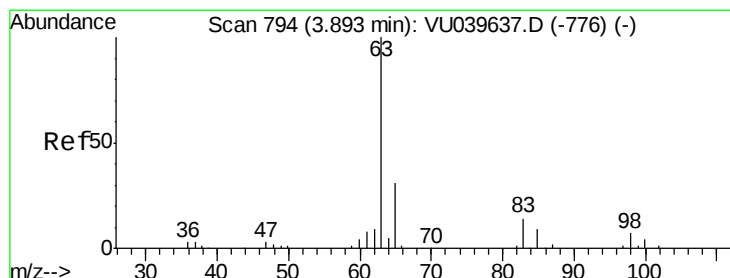
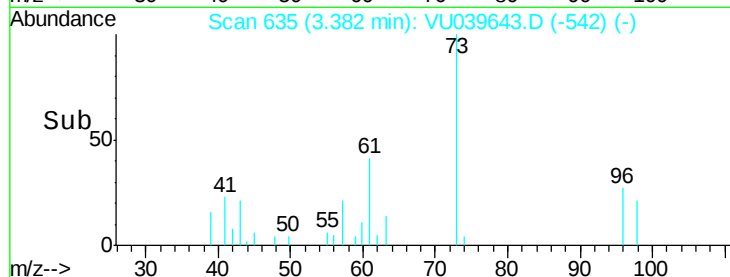
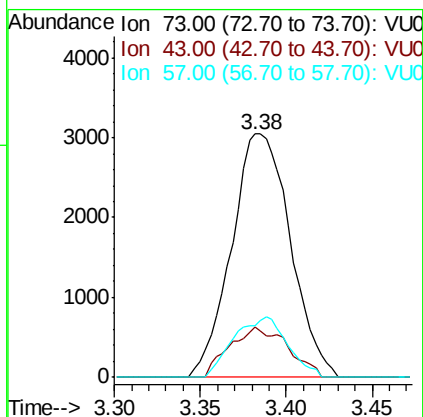
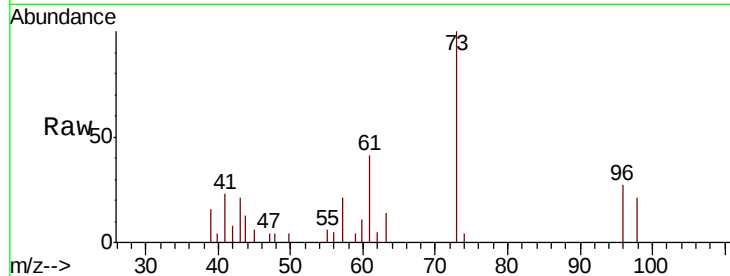




#18
Methvl tert-butvl Ether
Concen: 1.838 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

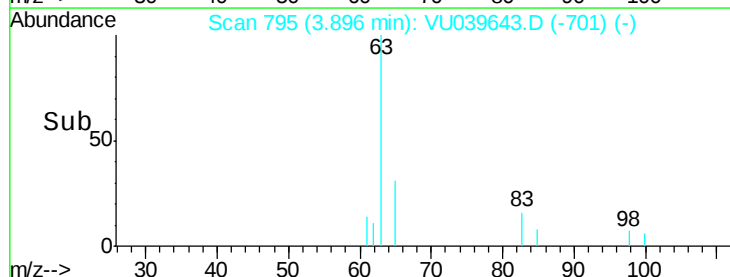
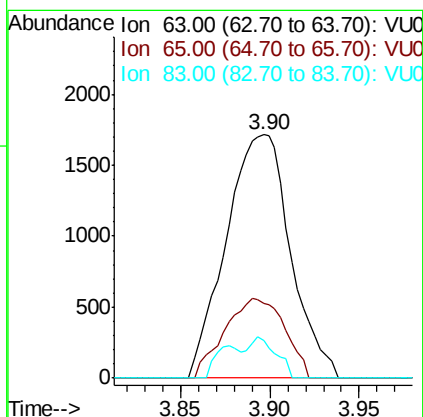
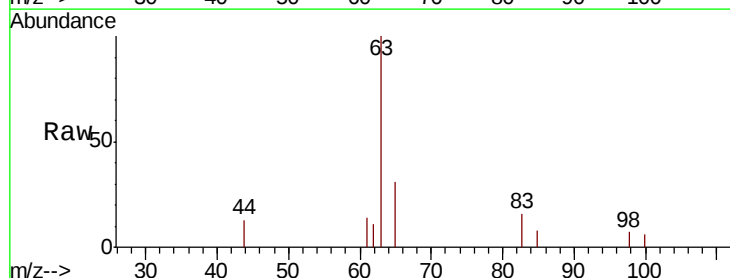
Instrument :
MSVOA_U
ClientSampleId :

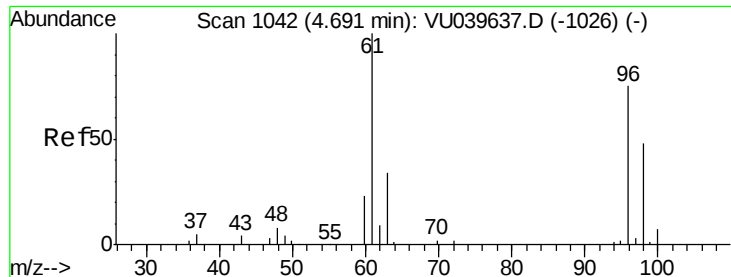
Tot Ion: 73 Resp: 7229
Ion Ratio Lower Upper
73 100
43 14.2 18.2 27.2#
57 10.5 17.4 26.2#



#19
1,1-Dichloroethane
Concen: 1.817 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 63 Resp: 4315
Ion Ratio Lower Upper
63 100
65 30.7 20.4 38.0
83 15.7 9.7 18.1

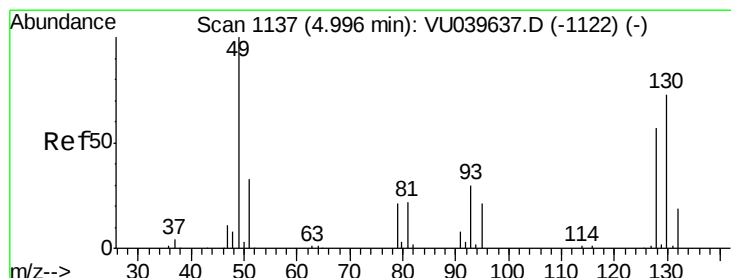
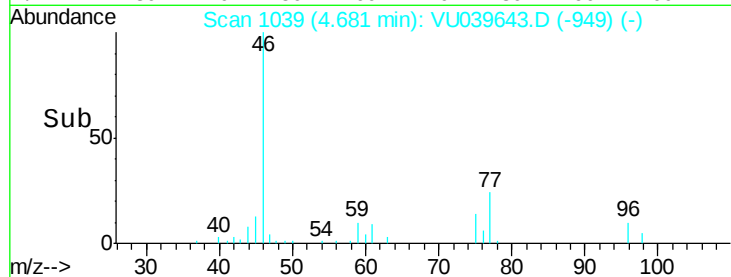
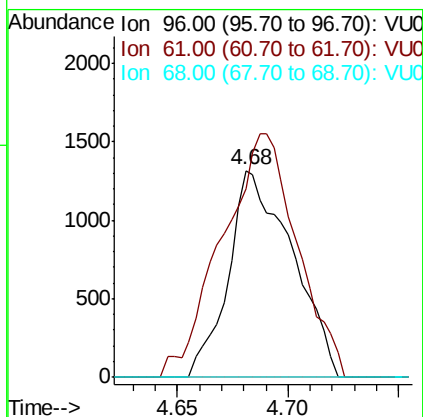
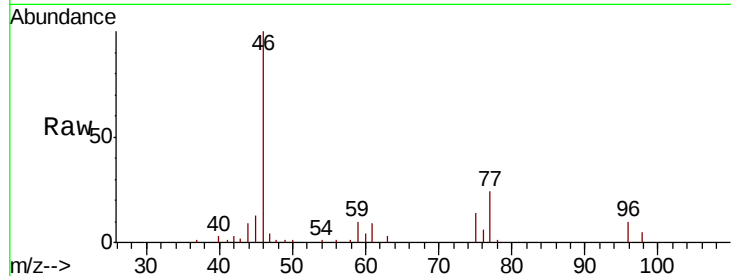




#20
 cis-1,2-Dichloroethene
 Concen: 1.896 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

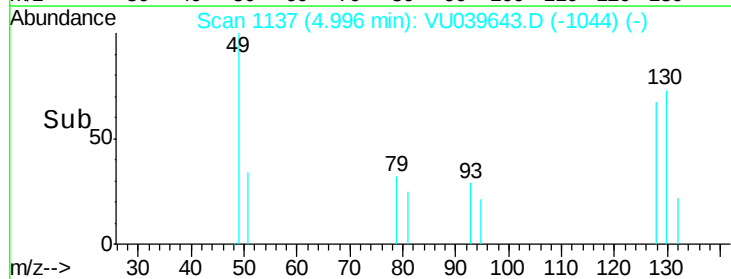
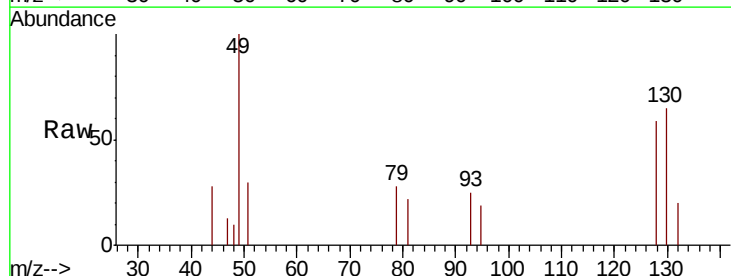
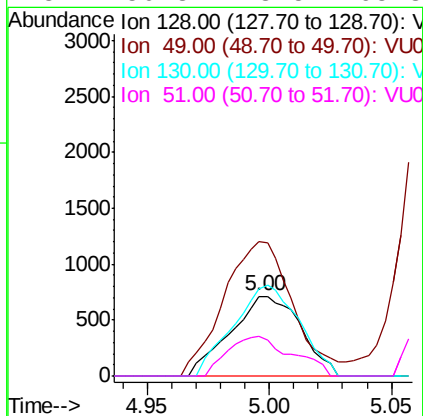
Instrument :
 MSVOA_U
 ClientSampleId :

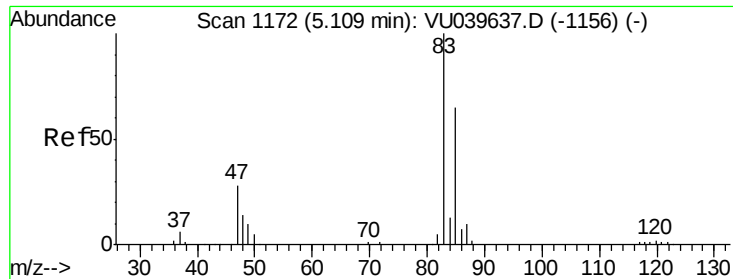
Tot Ion: 96 Resp: 2638
 Ion Ratio Lower Upper
 96 100
 61 90.8 94.0 174.6#
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 2.038 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 128 Resp: 1425
 Ion Ratio Lower Upper
 128 100
 49 168.3 124.5 231.3
 130 109.1 94.4 175.2
 51 50.3 43.5 65.3

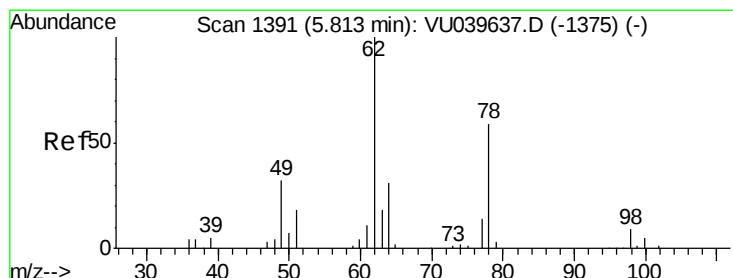
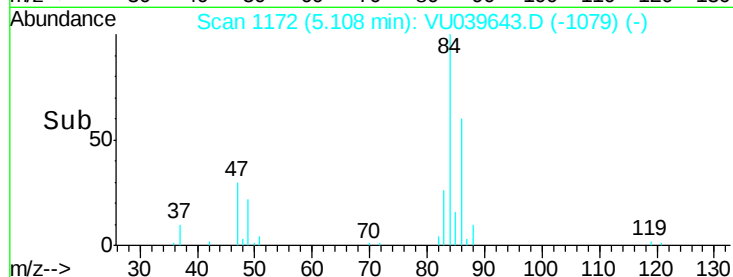
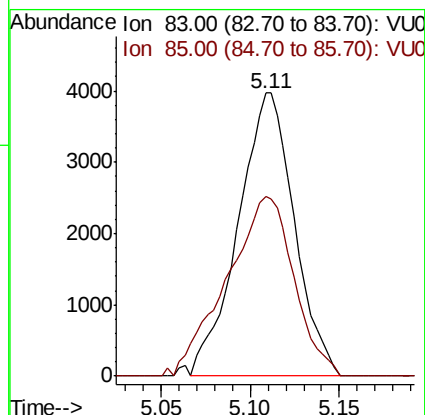
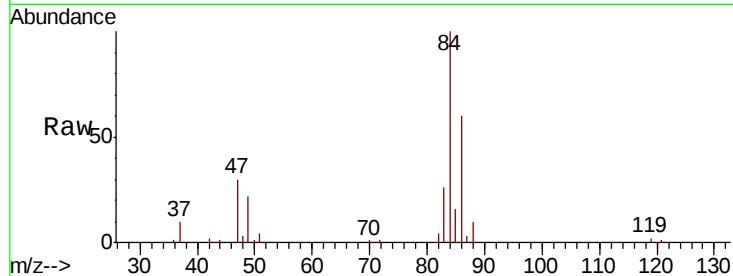




#25
Chloroform
Concen: 3.306 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

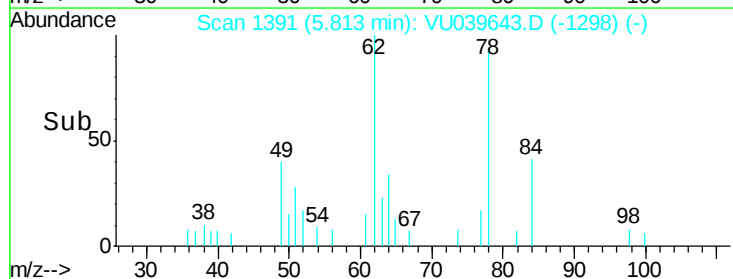
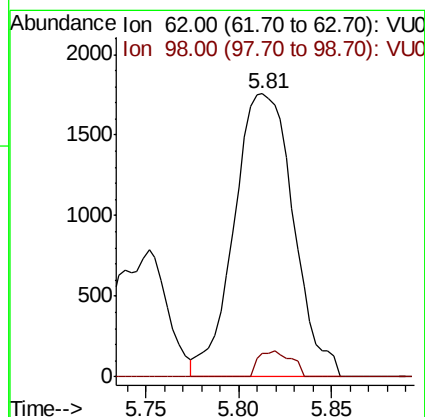
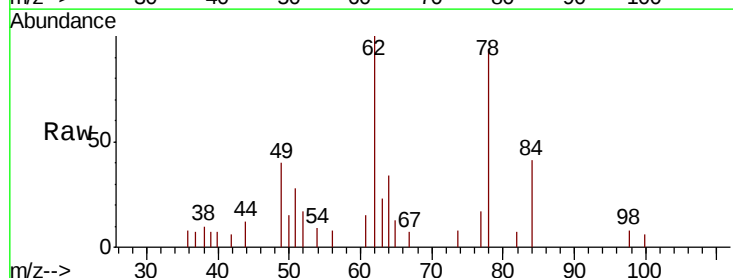
Instrument :
MSVOA_U
ClientSampleId :

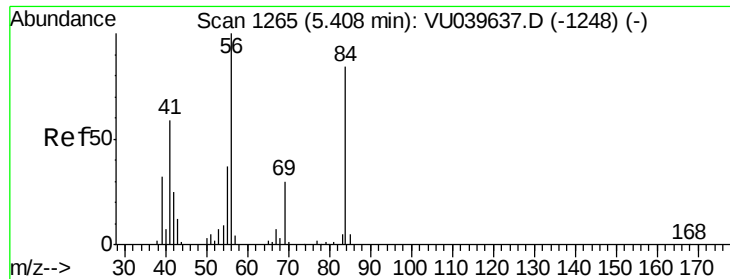
Tot Ion: 83 Resp: 8711
Ion Ratio Lower Upper
83 100
85 63.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 1.788 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 62 Resp: 3907
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

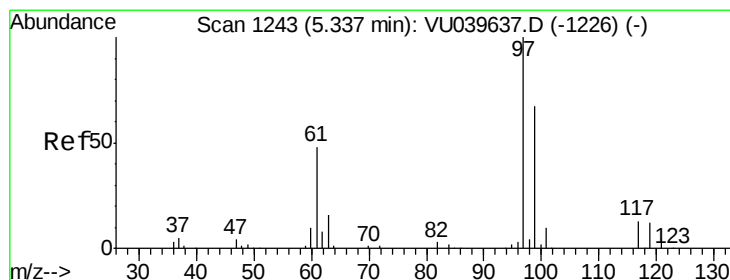
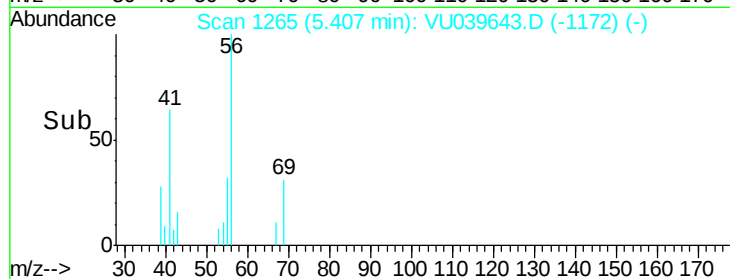
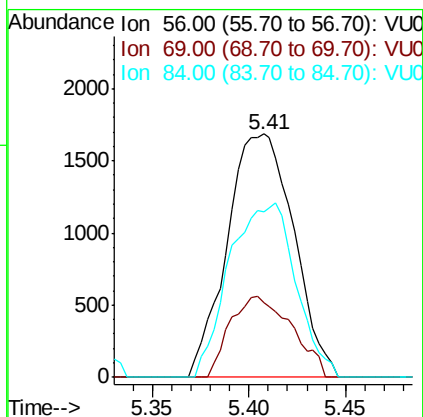
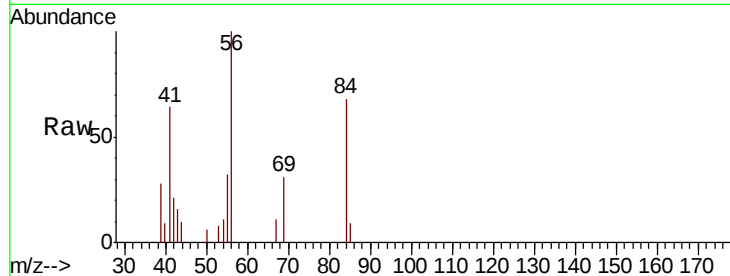




#29
Cyclohexane
Concen: 2.038 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

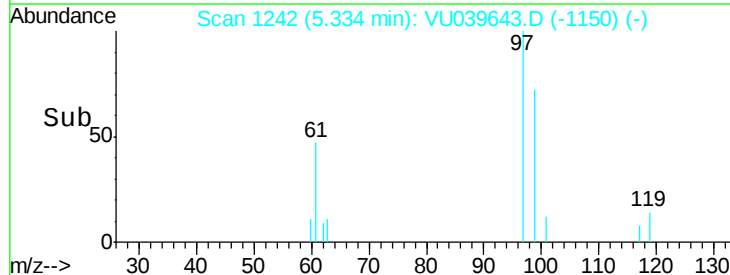
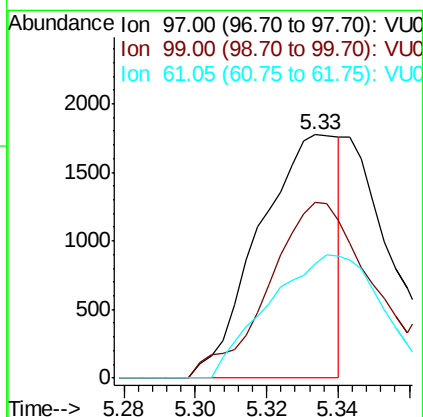
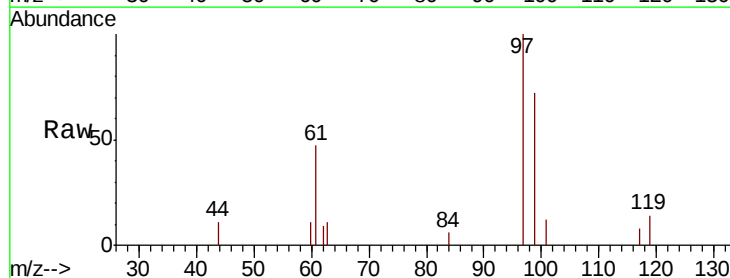
Instrument :
MSVOA_U
ClientSampleId :

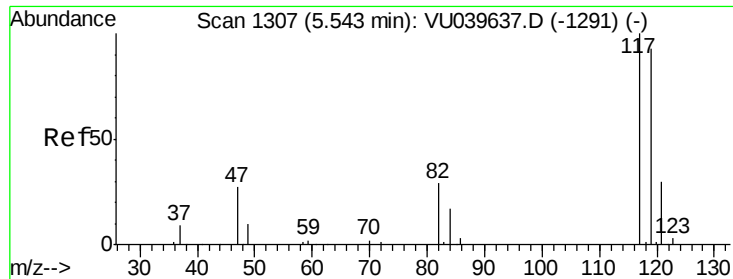
Tot Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 31.0 23.9 35.9
84 71.5 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 1.263 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 97 Resp: 2742
Ion Ratio Lower Upper
97 100
99 90.4 50.3 75.5#
61 70.9 36.0 54.0#

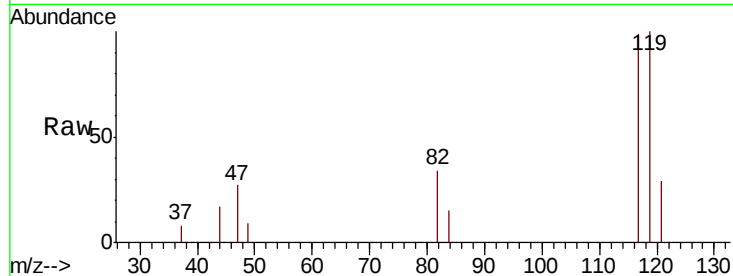




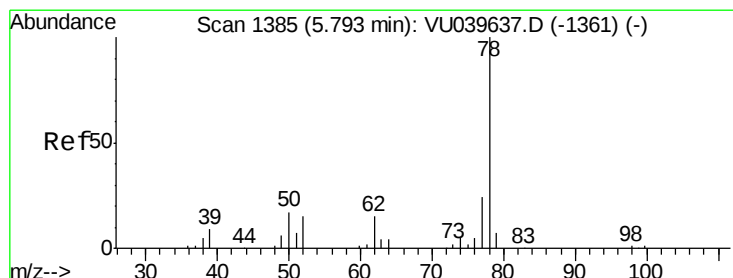
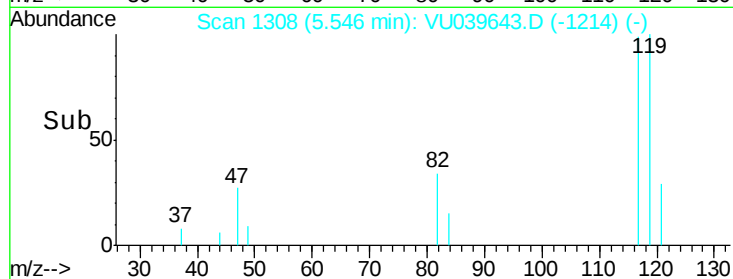
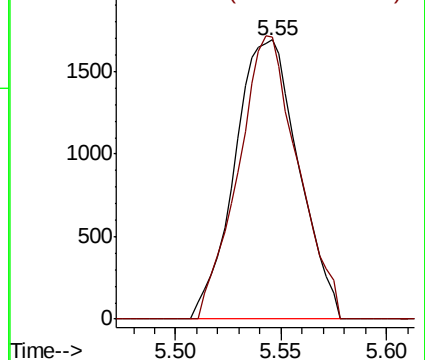
#31
Carbon tetrachloride
Concen: 1.976 ug/L
RT: 5.55 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 3559
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.4

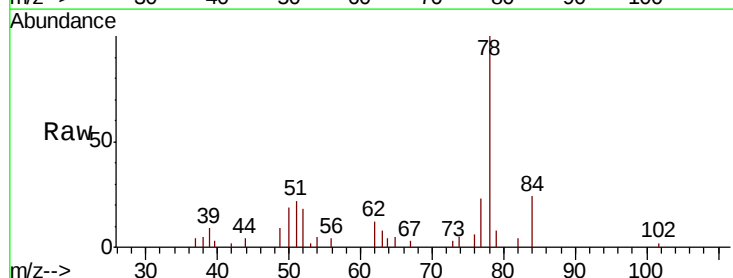


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

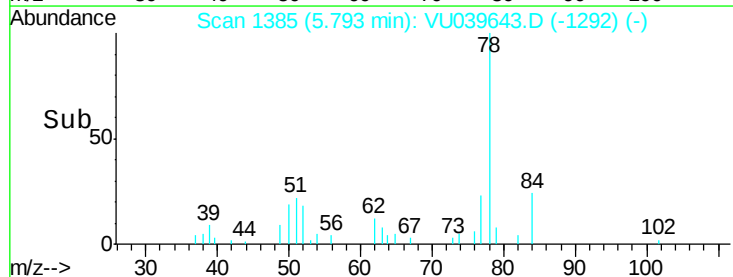
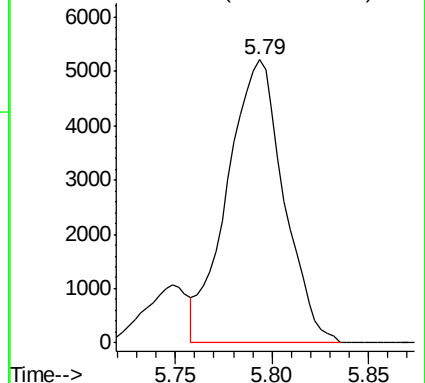


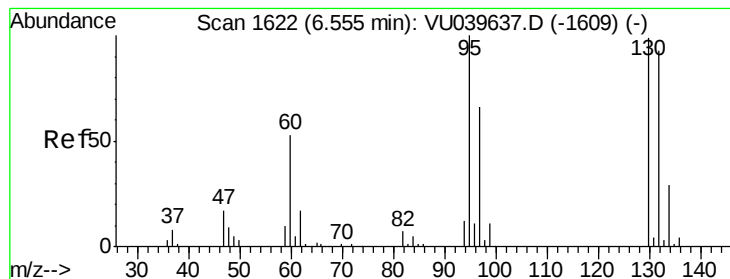
#33
Benzene
Concen: 2.119 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 78 Resp: 10592



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 1.993 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 2635

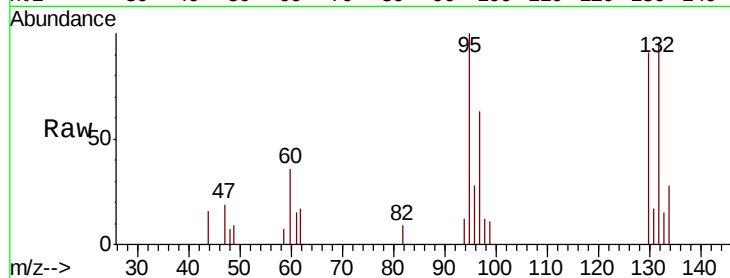
Ion Ratio Lower Upper

95 100

97 63.3 45.5 84.5

132 95.9 65.0 120.6

130 91.4 67.9 126.1

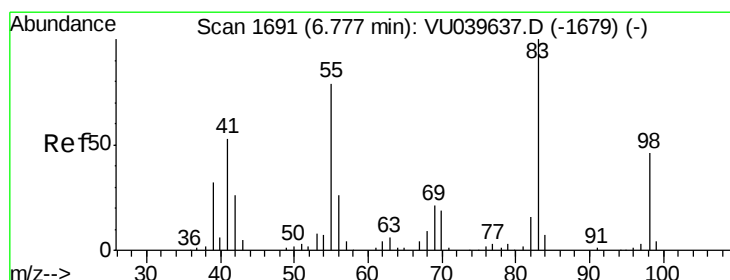
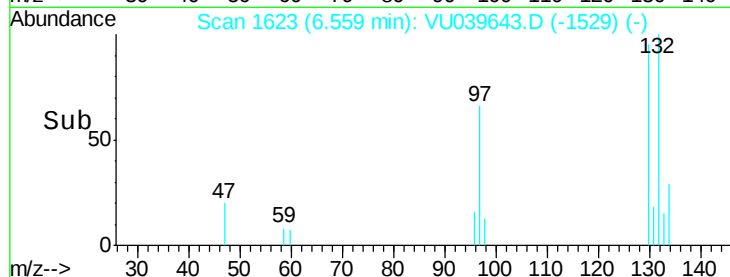
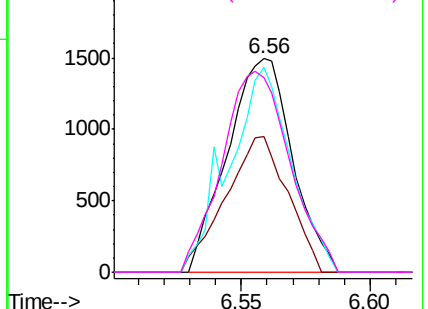


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 1.637 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

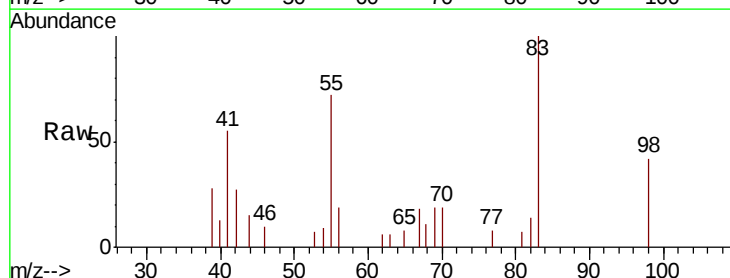
Tgt Ion: 83 Resp: 3347

Ion Ratio Lower Upper

83 100

55 73.0 62.9 94.3

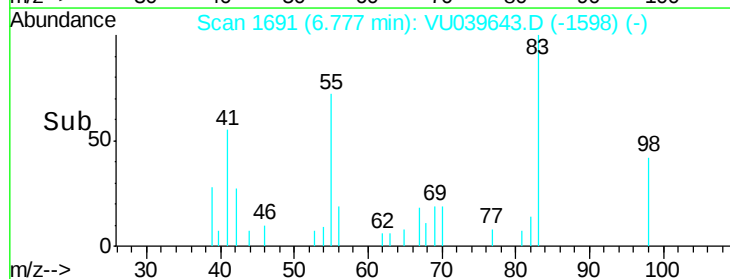
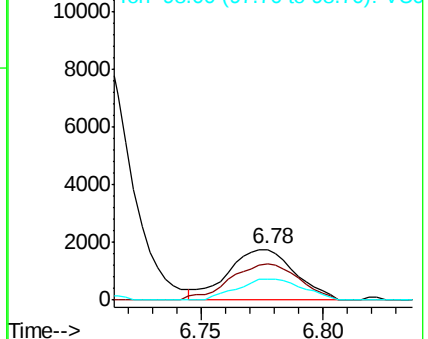
98 41.1 36.3 54.5

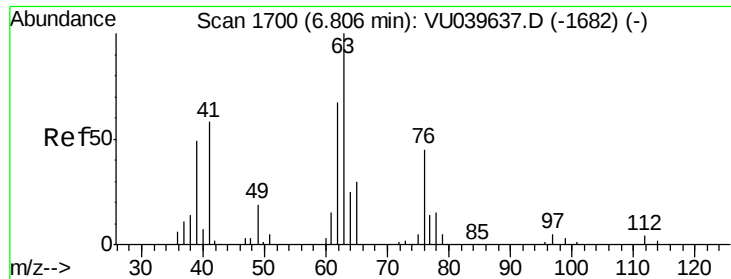


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

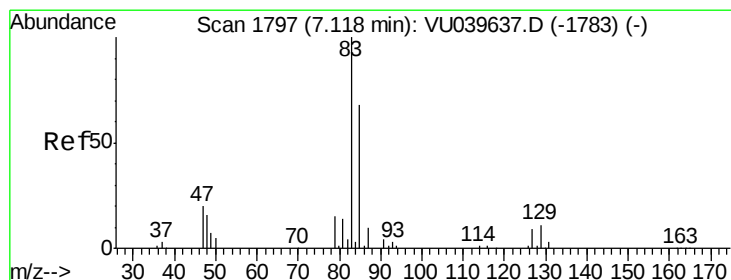
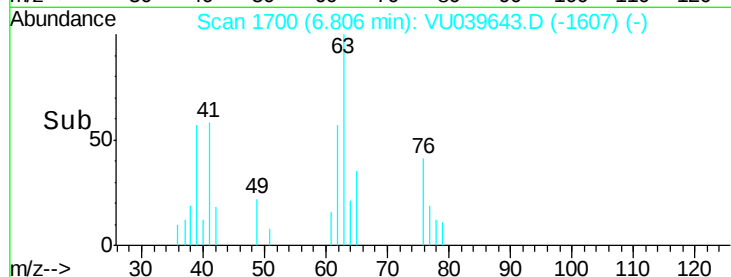
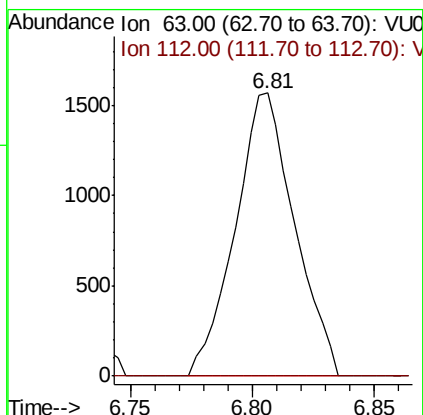
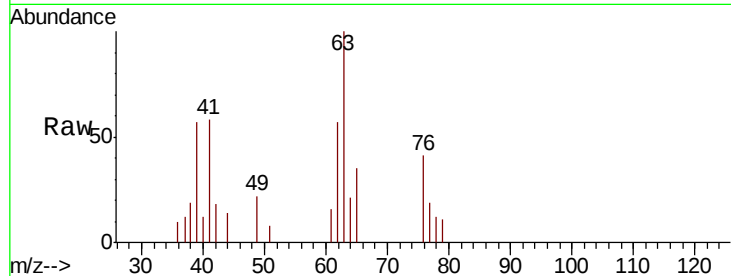




#37
 1,2-Dichloropropane
 Concen: 1.953 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

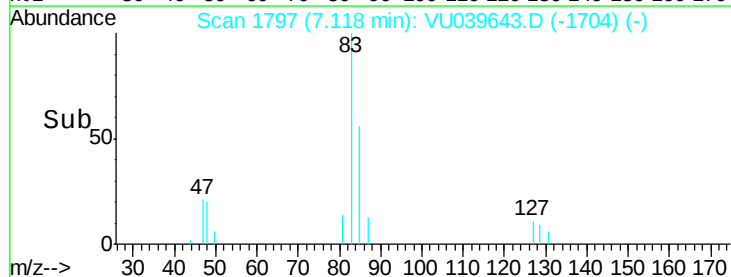
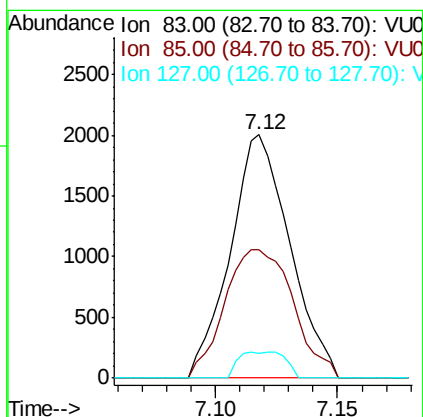
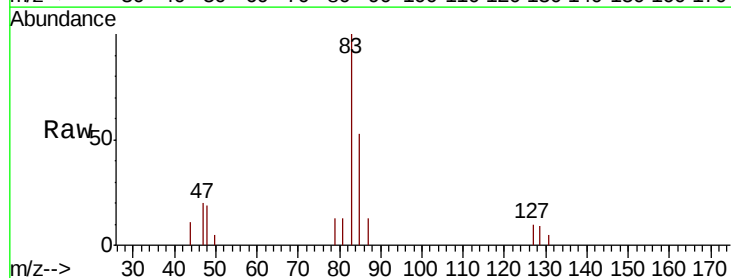
Instrument :
 MSVOA_U
 ClientSampleId :

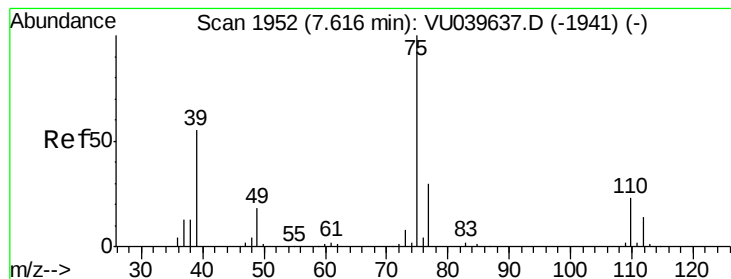
Tot Ion: 63 Resp: 2644
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 1.886 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 83 Resp: 3390
 Ion Ratio Lower Upper
 83 100
 85 52.8 45.9 85.3
 127 10.3 7.4 11.2



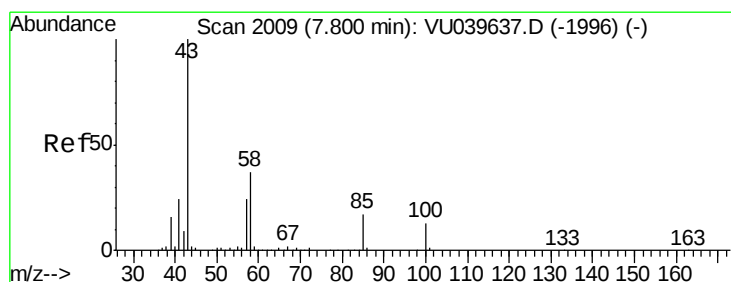
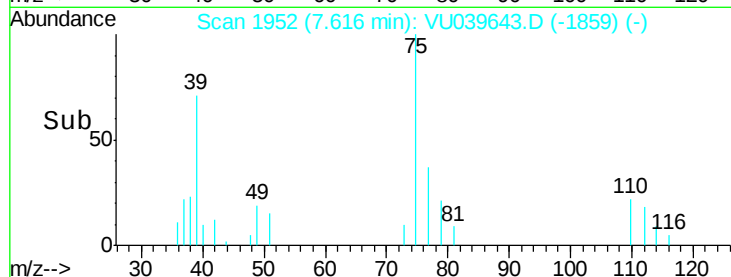
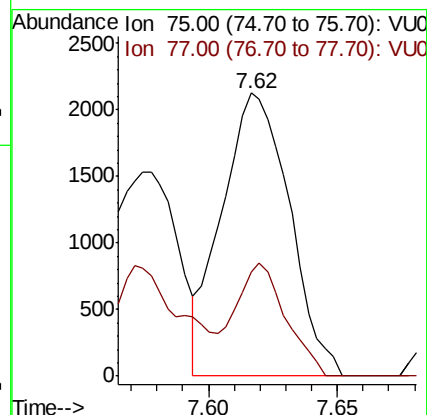
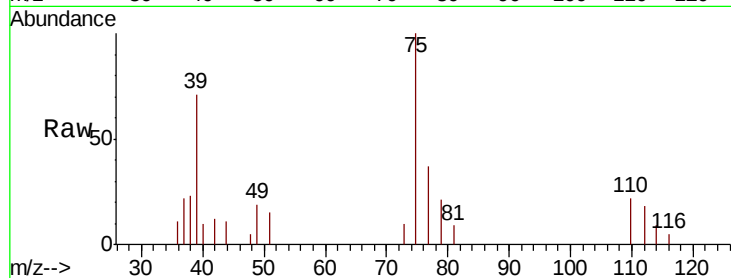


#39

cis-1,3-Dichloropropene
Concen: 1.924 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

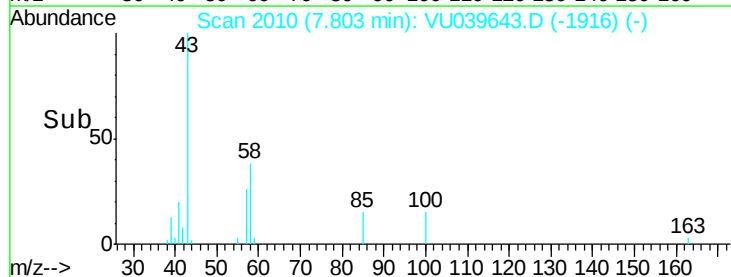
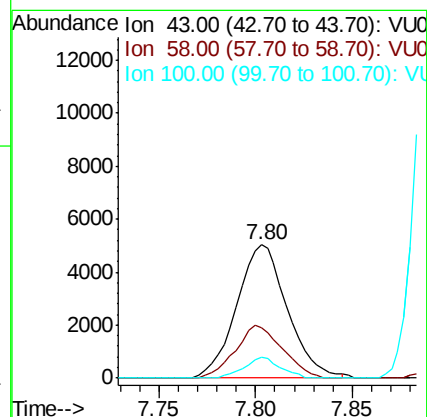
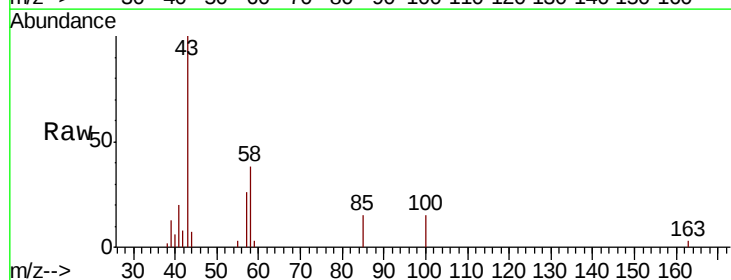
Tot Ion: 75 Resp: 3891
Ion Ratio Lower Upper
75 100
77 36.9 21.8 40.6

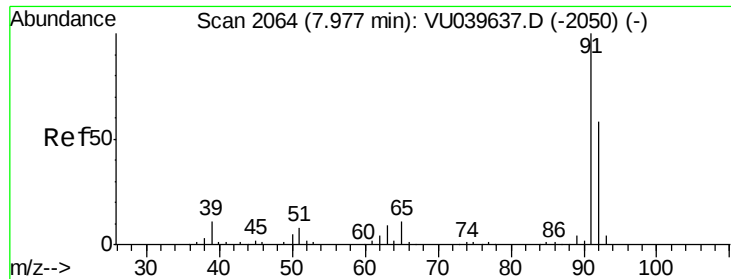


#40

4-Methyl-2-pentanone
Concen: 3.878 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 43 Resp: 9145
Ion Ratio Lower Upper
43 100
58 36.7 29.1 43.7
100 10.9 10.6 16.0





#42

Toluene

Concen: 1.821 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

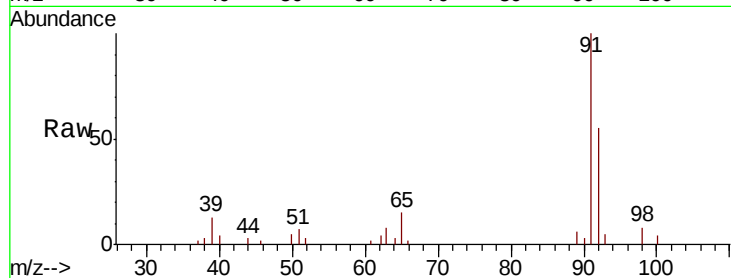
ClientSampleId :

Tot Ion: 91 Resp: 10014

Ion Ratio Lower Upper

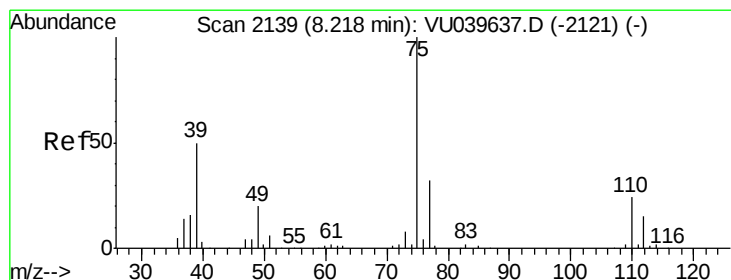
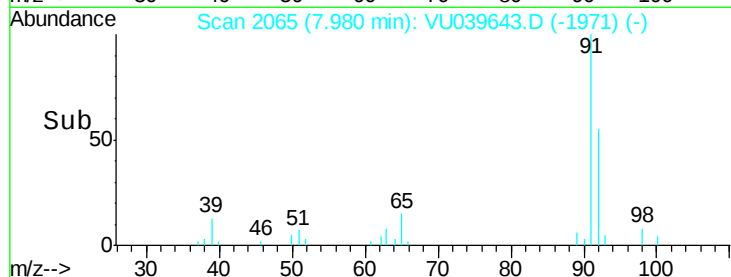
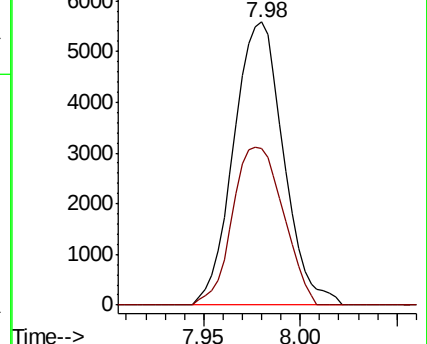
91 100

92 55.2 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.651 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039643.D

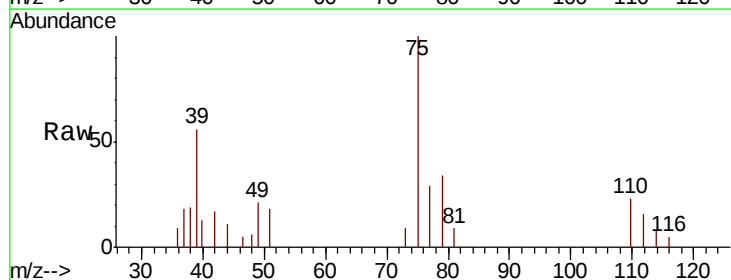
Acq: 23 Jul 2020 17:35

Tgt Ion: 75 Resp: 3270

Ion Ratio Lower Upper

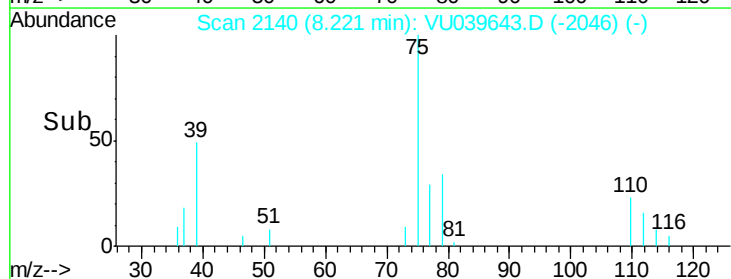
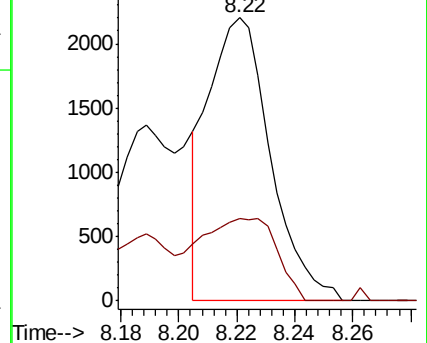
75 100

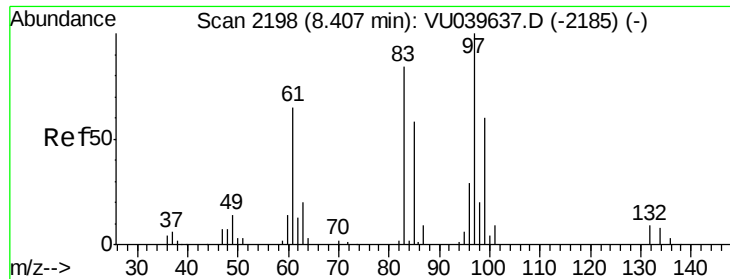
77 29.1 22.7 42.1



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

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

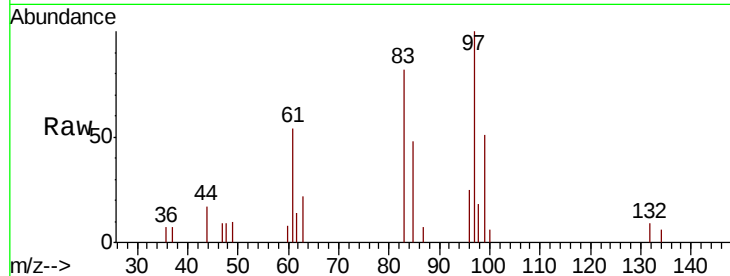




#45
1,1,2-Trichloroethane
Concen: 2.148 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

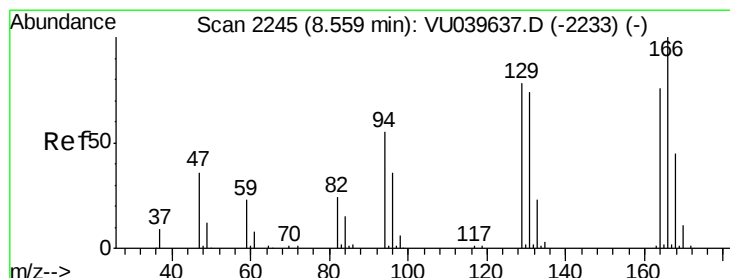
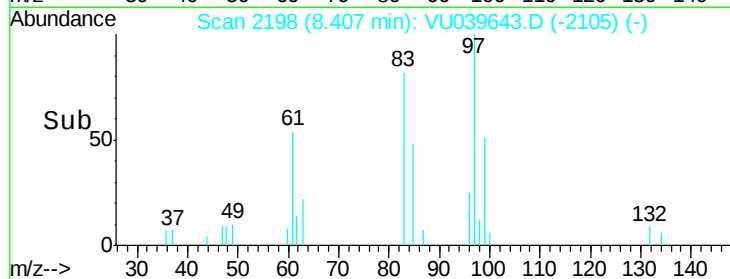
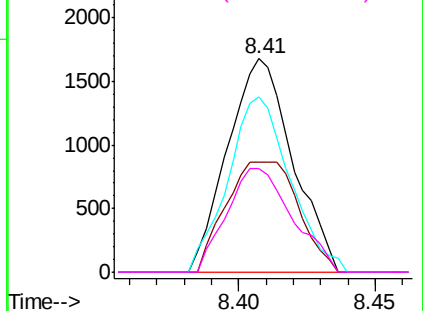
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	2773
Ion	Ratio	Lower	Upper
97	100		
99	51.3	45.1	83.9
83	82.4	62.7	116.5
85	48.5	41.0	76.2



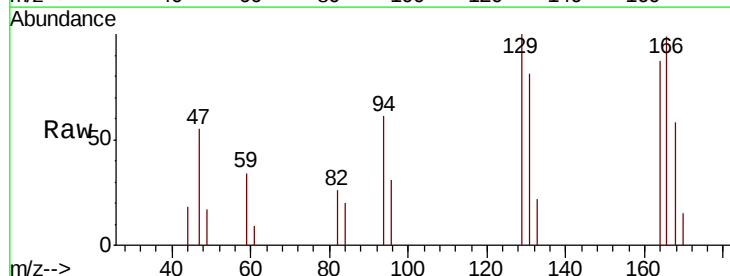
Abundance

Ion 97.00 (96.70 to 97.70): VU039643.D (-2105) (-)



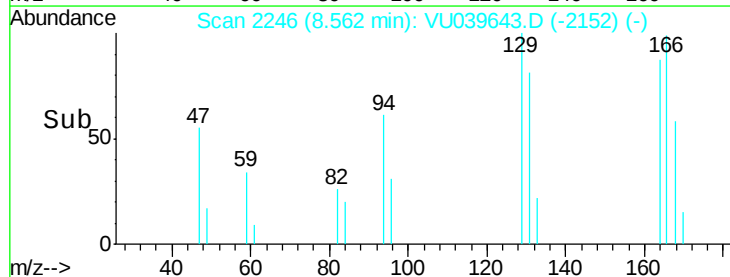
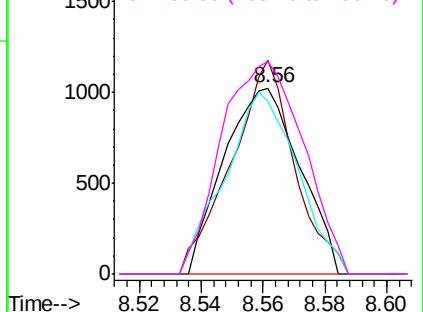
#46
Tetrachloroethene
Concen: 1.745 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

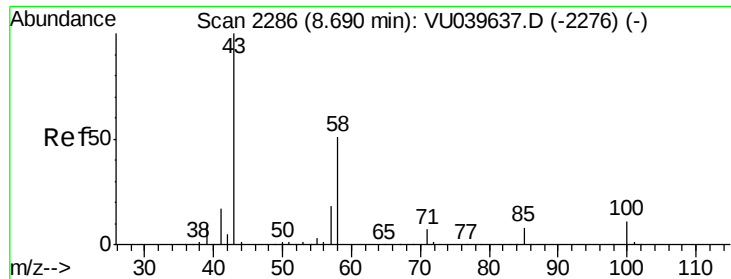
Tgt Ion:	164	Resp:	1745
Ion	Ratio	Lower	Upper
164	100		
129	114.7	71.1	132.1
131	92.8	70.3	130.5
166	114.1	87.8	163.0



Abundance

Ion 164.00 (163.70 to 164.70): VU039643.D (-2152) (-)

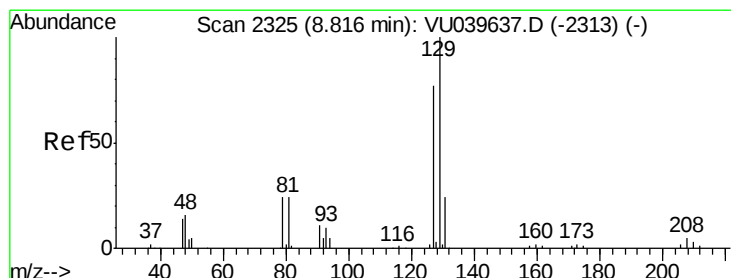
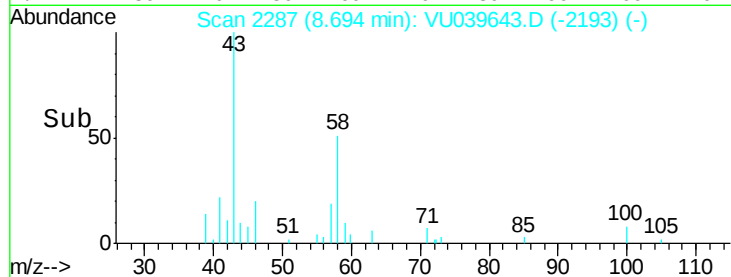
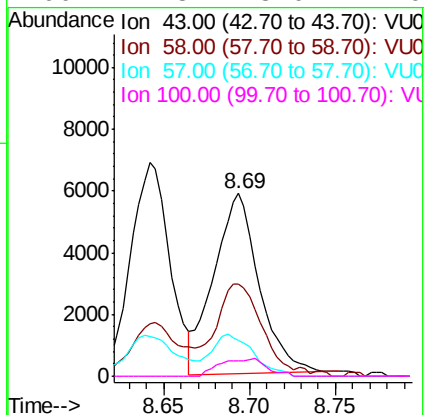
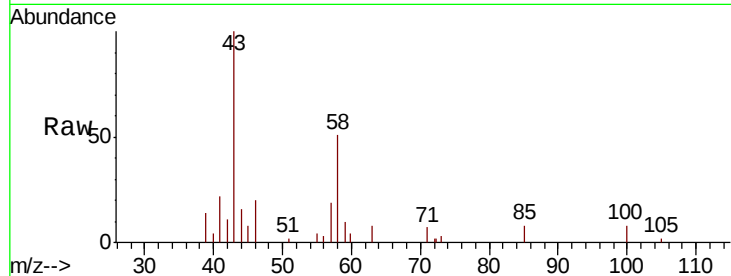




#48
2-Hexanone
Concen: 5.571 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

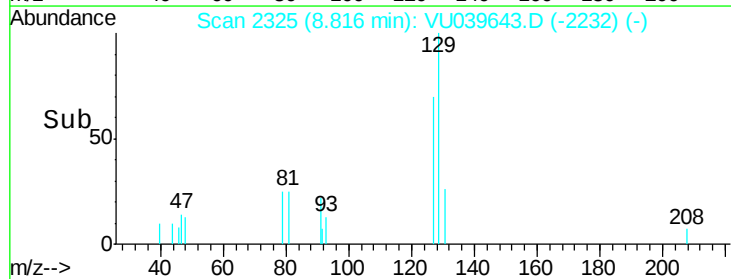
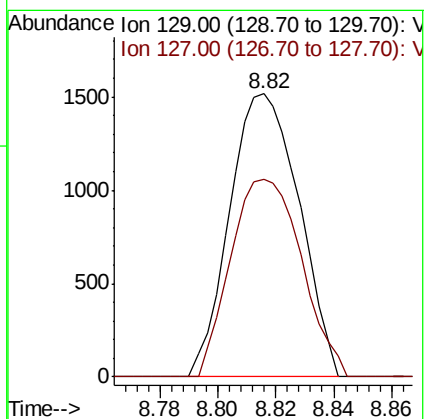
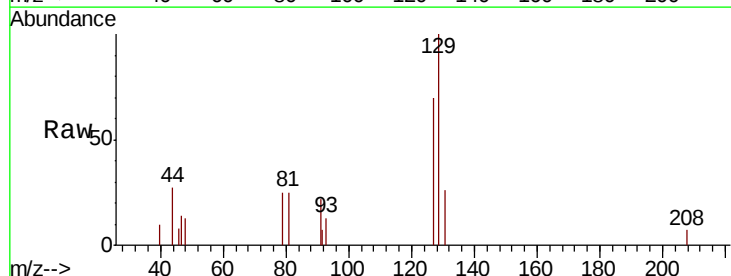
Instrument :
MSVOA_U
ClientSampleId :

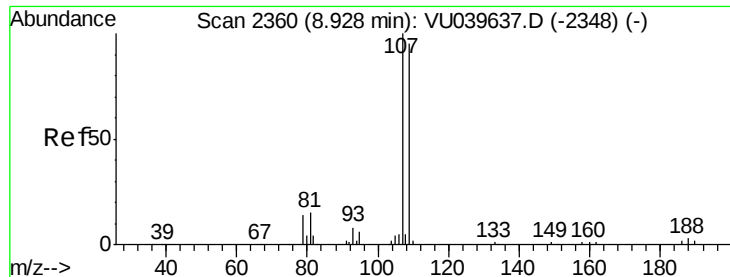
Tot Ion: 43 Resp: 10704
Ion Ratio Lower Upper
43 100
58 50.4 40.6 61.0
57 22.0 14.5 21.7#
100 4.8 8.0 12.0#



#49
Dibromochloromethane
Concen: 1.725 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 129 Resp: 2514
Ion Ratio Lower Upper
129 100
127 70.0 54.3 100.9

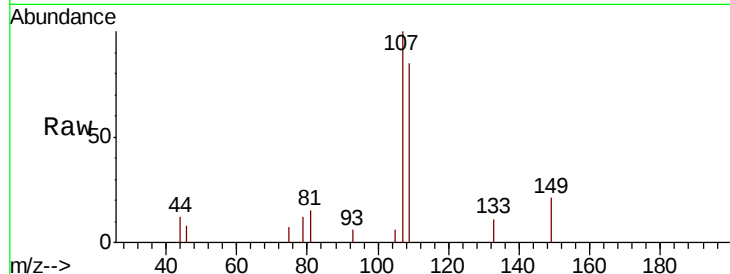




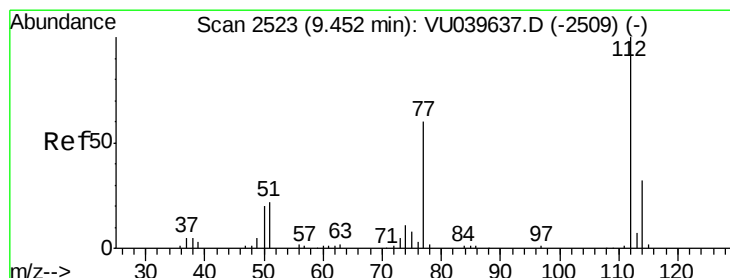
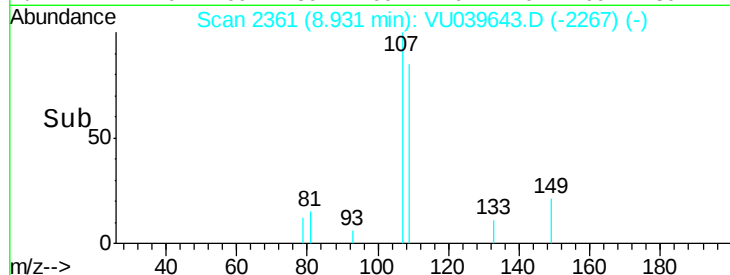
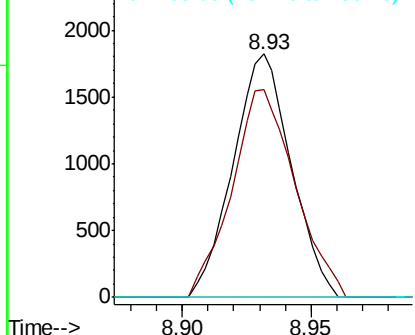
#50
 1,2-Dibromoethane
 Concen: 1.997 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.2	66.8	124.2
188	0.0	3.0	4.4#

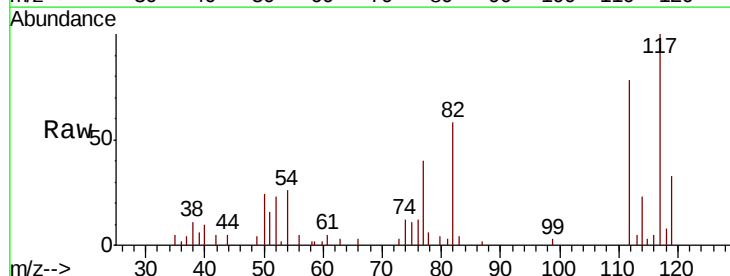


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

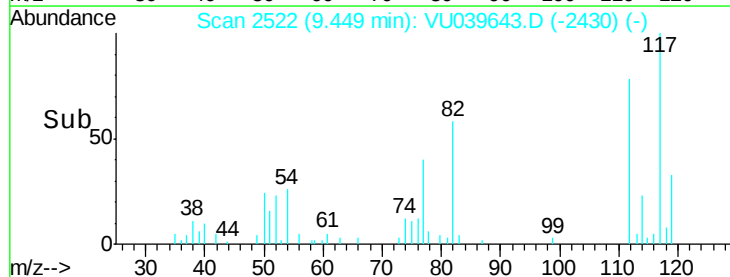
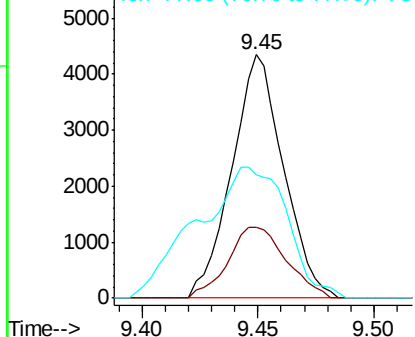


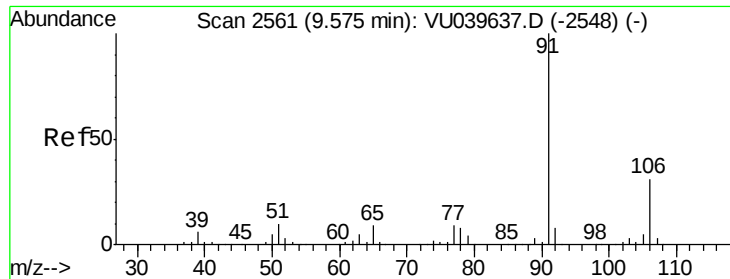
#51
 Chlorobenzene
 Concen: 1.918 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.0	22.9	42.5
77	50.7	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: 1.742 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

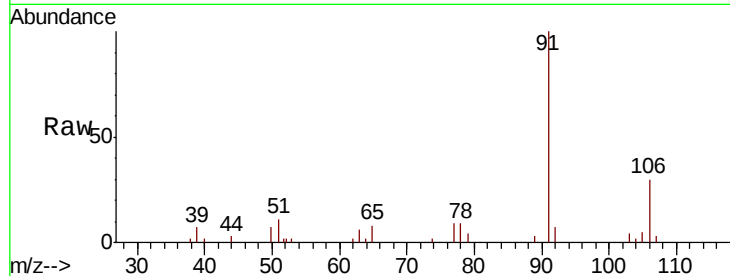
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 10584

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039643.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039643.D (-2548) (-)

9.57

6000

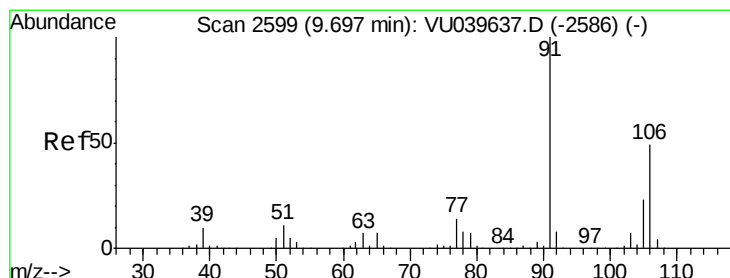
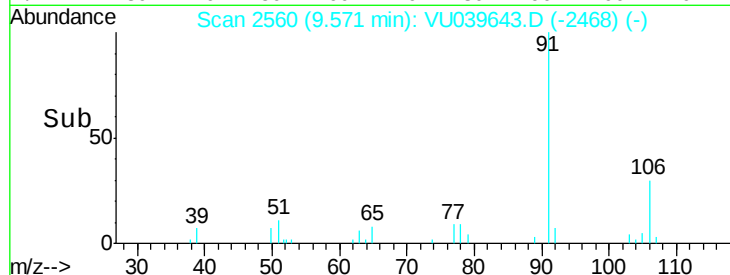
4000

2000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 1.646 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039643.D

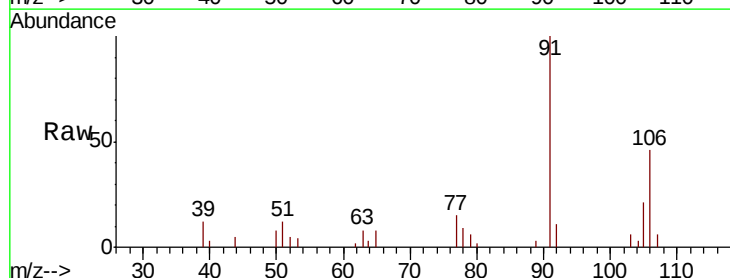
Acq: 23 Jul 2020 17:35

Tgt Ion: 106 Resp: 3770

Ion Ratio Lower Upper

106 100

91 217.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039643.D (-2586) (-)

Ion 91.00 (90.70 to 91.70): VU039643.D (-2586) (-)

9.70

5000

4000

3000

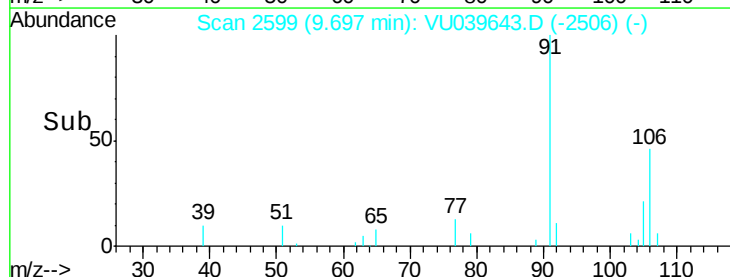
2000

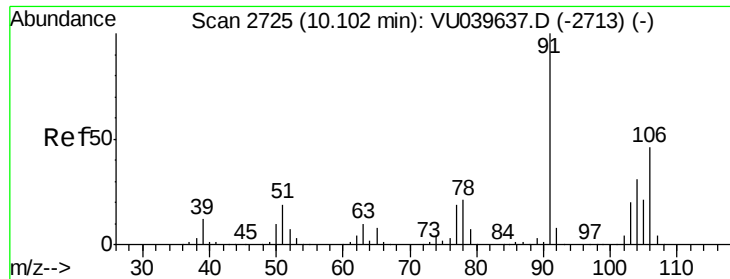
1000

0

9.65 9.70

Time-->

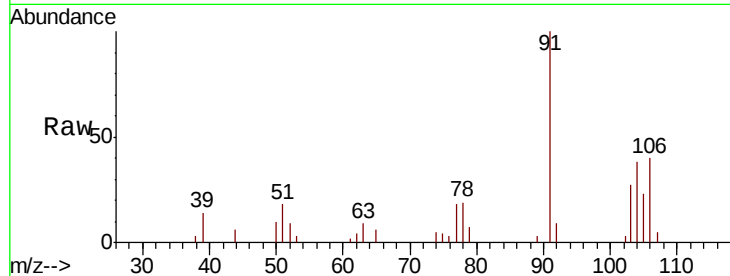




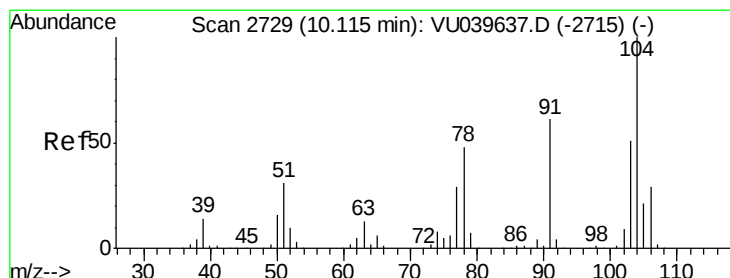
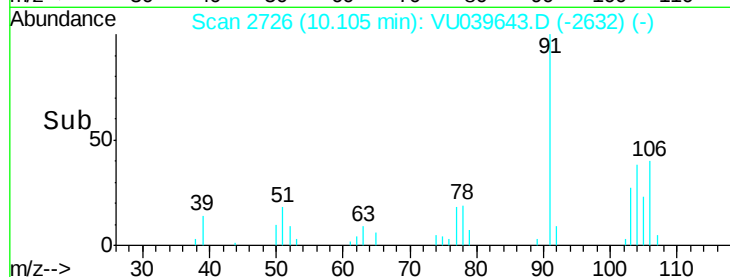
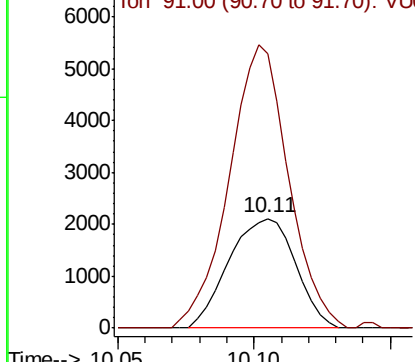
#54
o-xylene
Concen: 1.632 ug/L
RT: 10.11 min Scan# 2726
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3586
Ion Ratio Lower Upper
106 100
91 250.3 155.1 288.1

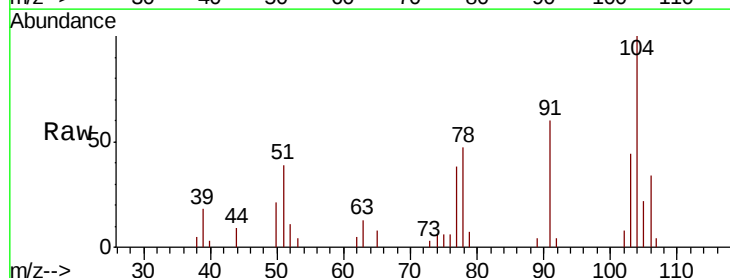


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

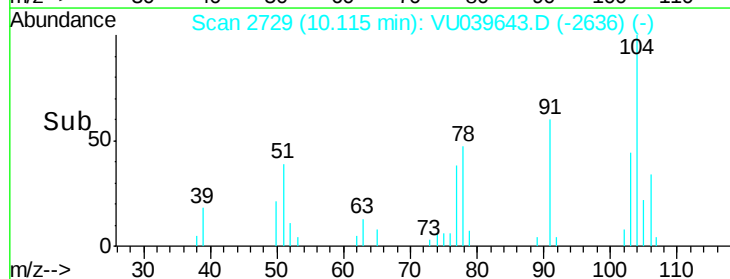
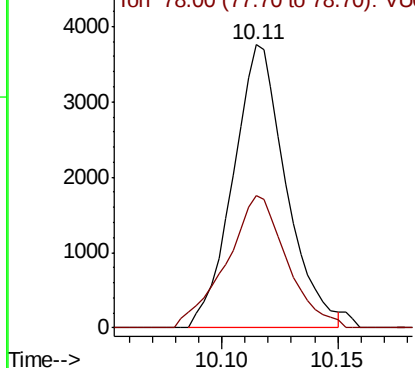


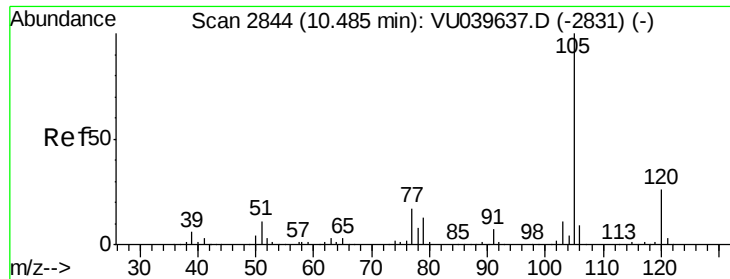
#55
Styrene
Concen: 1.570 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 17:35

Tgt Ion:104 Resp: 5971
Ion Ratio Lower Upper
104 100
78 46.6 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: 1.662 ug/L

RT: 10.49 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

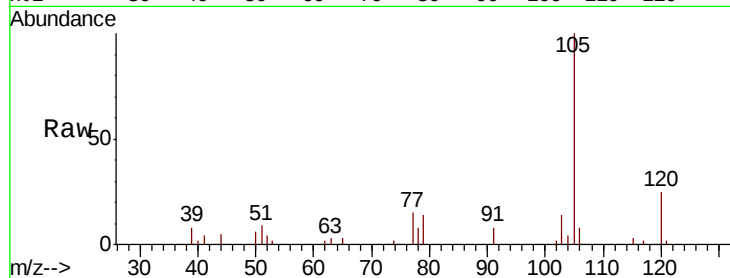
Tot Ion:105 Resp: 9917

Ion Ratio Lower Upper

105 100

120 24.1 20.6 31.0

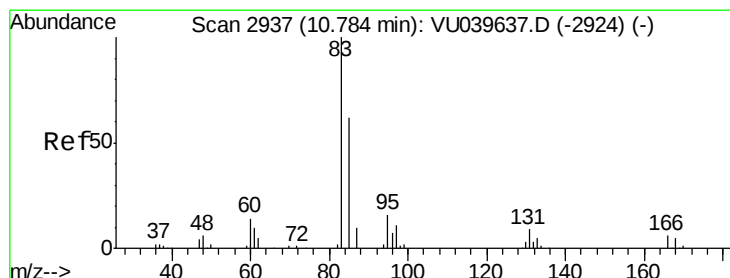
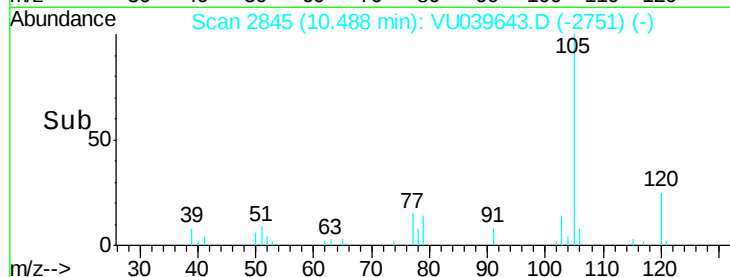
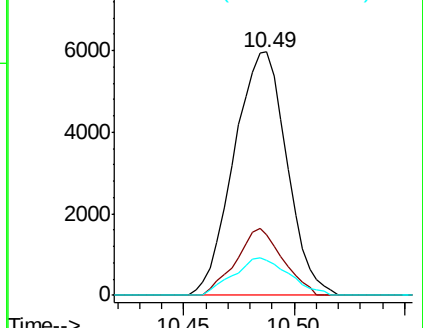
77 16.0 13.4 20.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.102 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

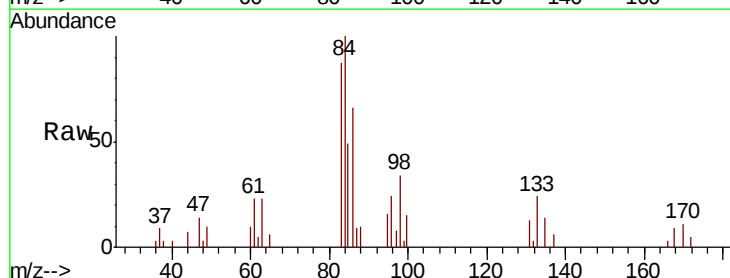
Tgt Ion: 83 Resp: 4946

Ion Ratio Lower Upper

83 100

85 56.6 46.4 86.2

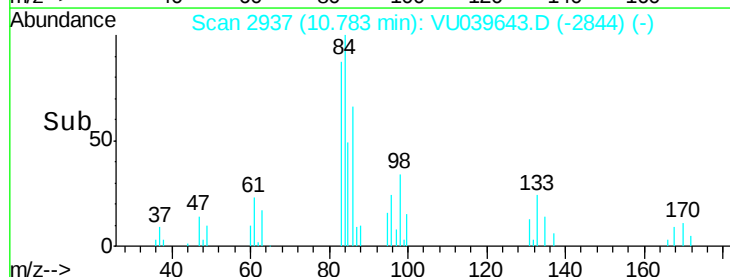
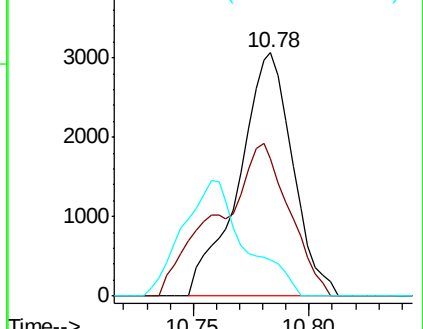
131 14.9 7.8 11.6#

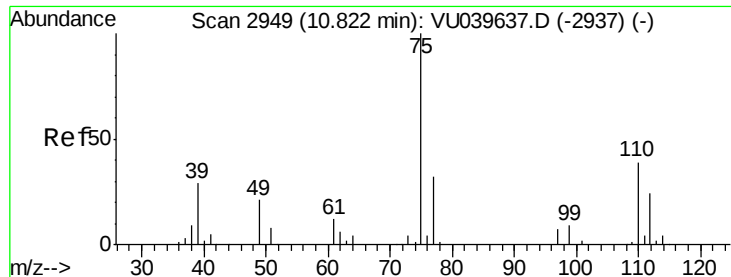


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.890 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

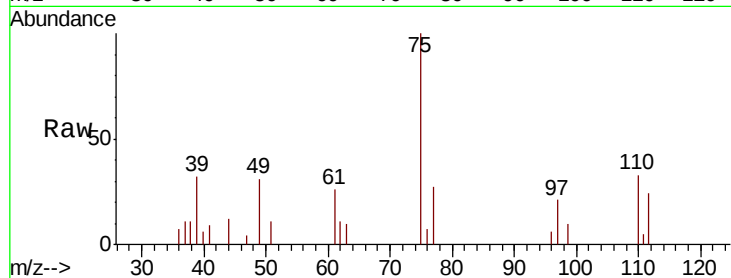
ClientSampled :

Tot Ion: 75 Resp: 3711

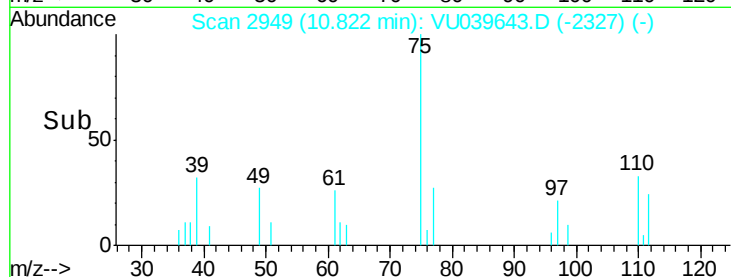
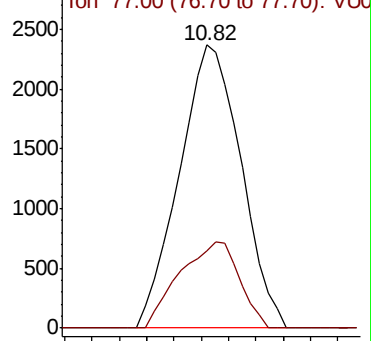
Ion Ratio Lower Upper

75 100

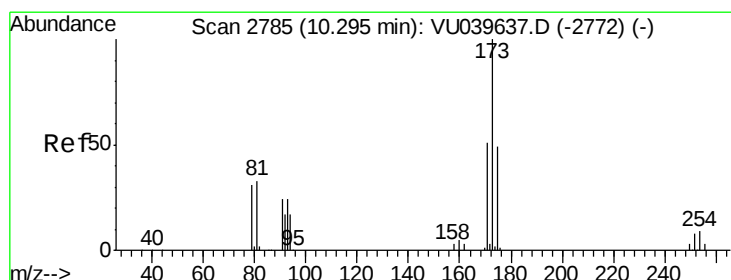
77 29.6 25.4 38.2



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



Time-->



#61

Bromoform

Concen: 1.694 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

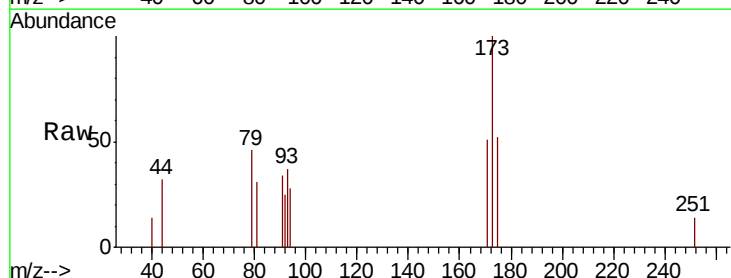
Tgt Ion: 173 Resp: 1705

Ion Ratio Lower Upper

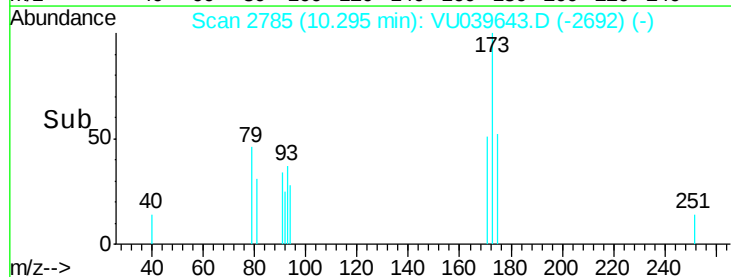
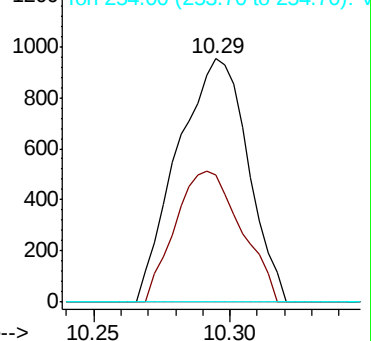
173 100

175 50.3 38.4 57.6

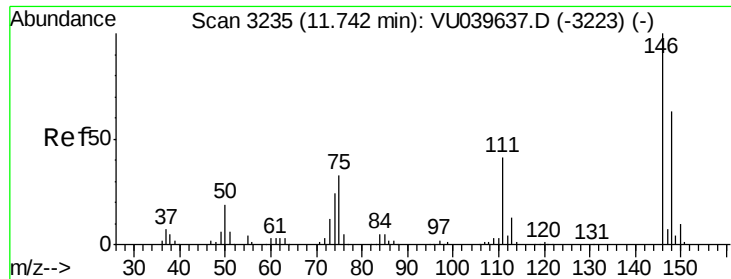
254 0.0 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): VU039637.D (-2772) (-)



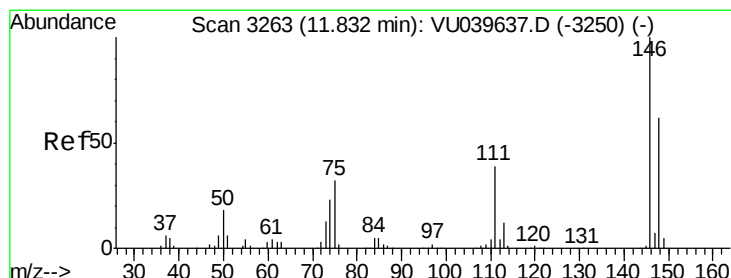
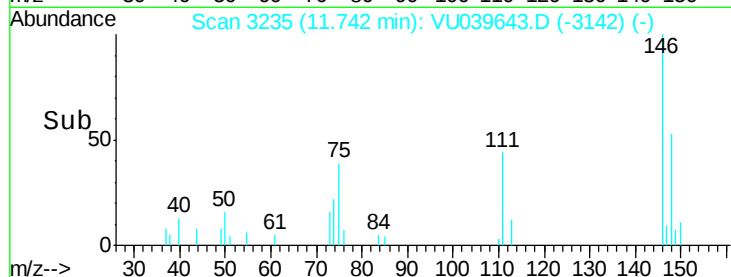
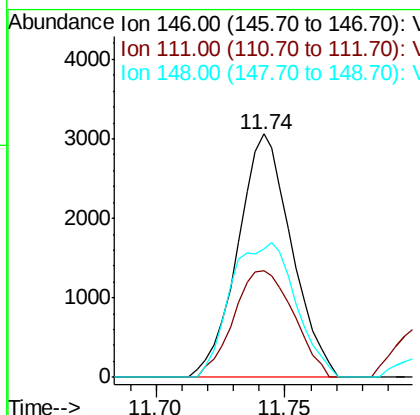
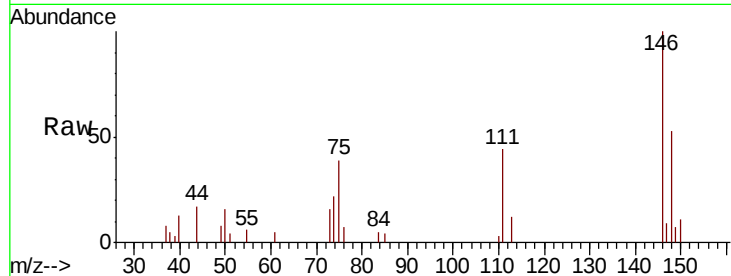
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 1.709 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

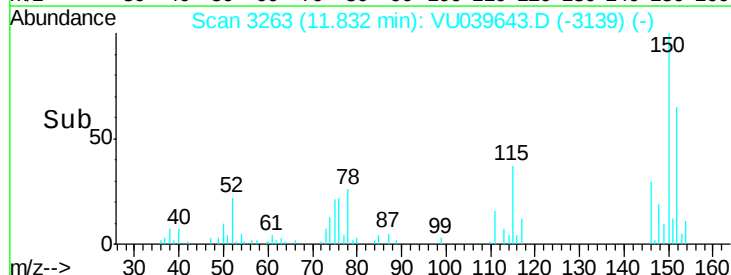
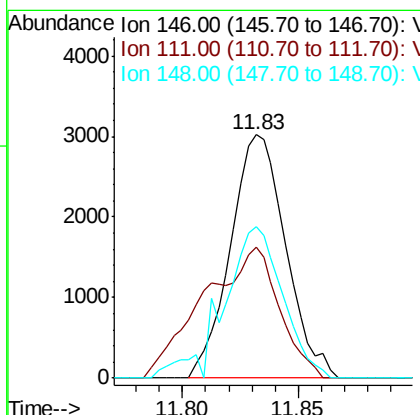
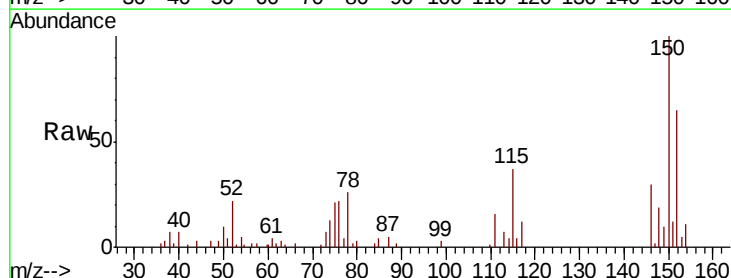
Instrument :
 MSVOA_U
 ClientSampleId :

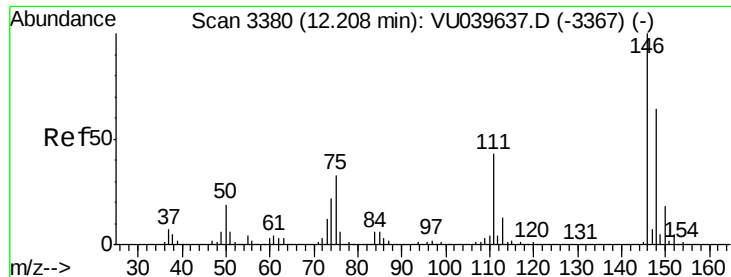
Tot Ion:146 Resp: 4455
 Ion Ratio Lower Upper
 146 100
 111 43.6 29.3 54.3
 148 52.9 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 1.911 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 17:35

Tgt Ion:146 Resp: 4990
 Ion Ratio Lower Upper
 146 100
 111 54.0 27.8 51.6#
 148 62.3 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 2.021 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

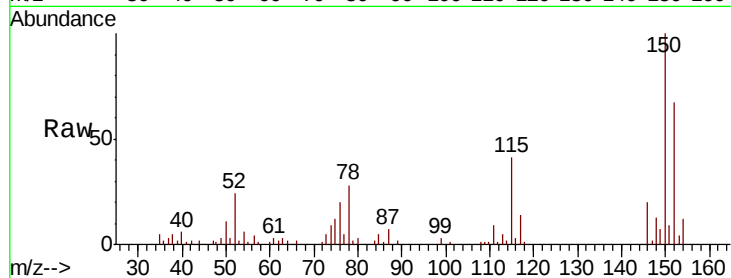
Tot Ion:146 Resp: 5325

Ion Ratio Lower Upper

146 100

111 45.6 34.8 52.2

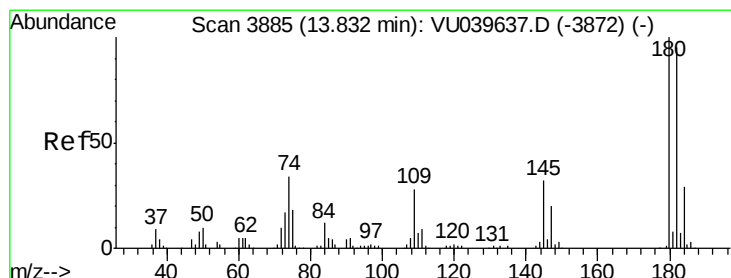
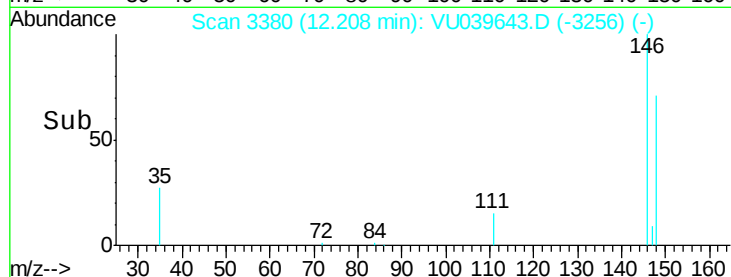
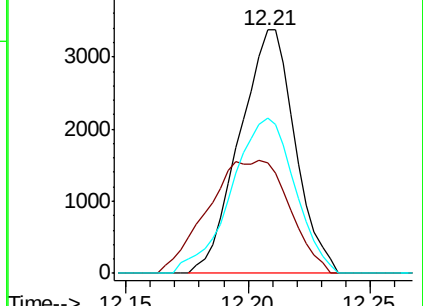
148 63.6 52.5 78.7



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



#68

1,2,4-trichlorobenzene

Concen: 1.573 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

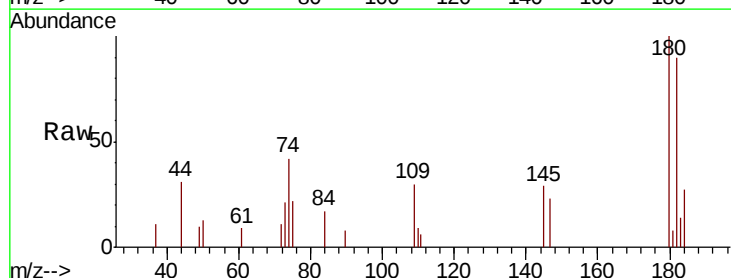
Tgt Ion:180 Resp: 2510

Ion Ratio Lower Upper

180 100

182 95.3 74.4 111.6

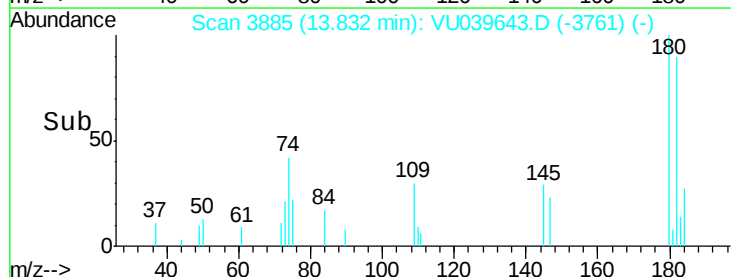
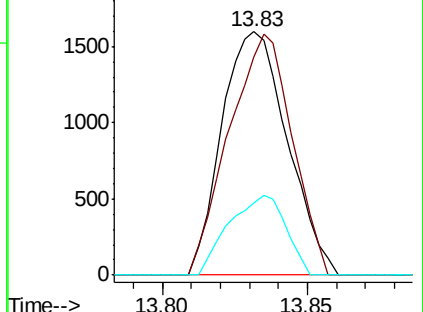
145 28.4 24.8 37.2

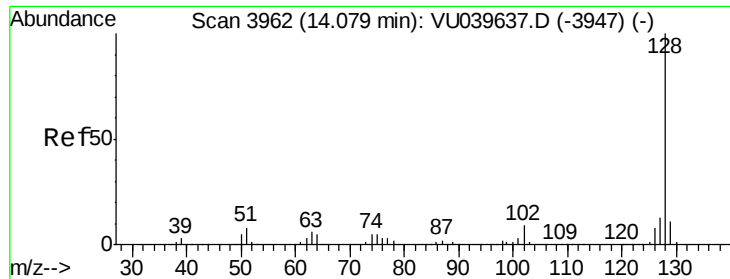


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.602 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

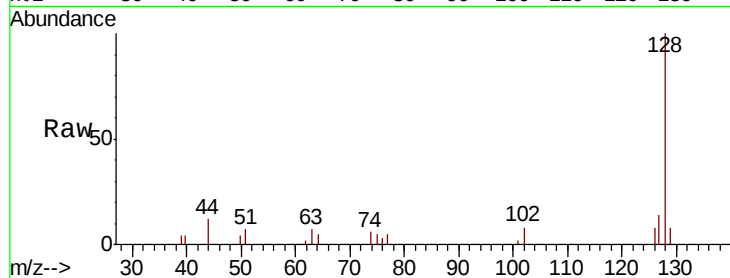
Tot Ion:128 Resp: 7669

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

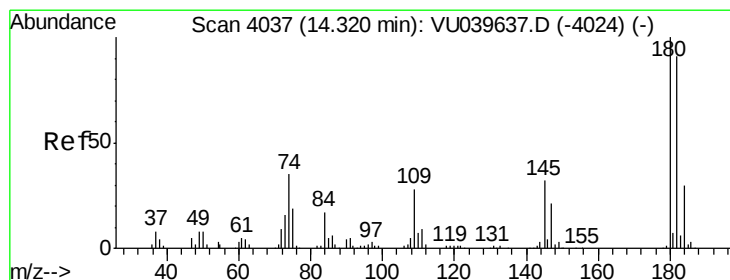
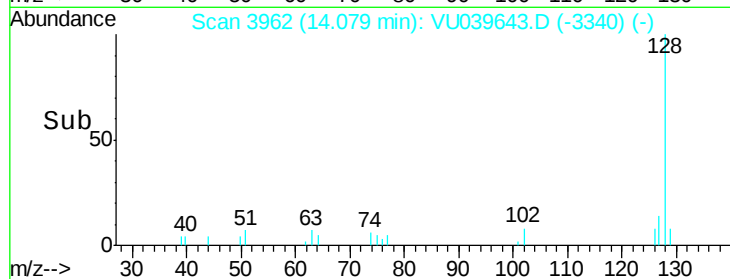
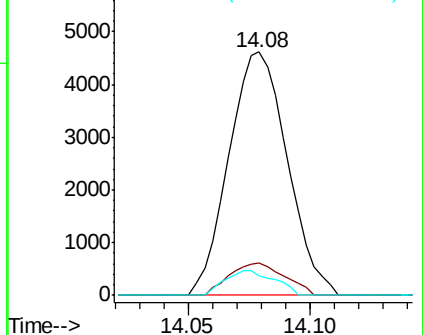
129 8.6 8.8 13.2#



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: 1.680 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 17:35

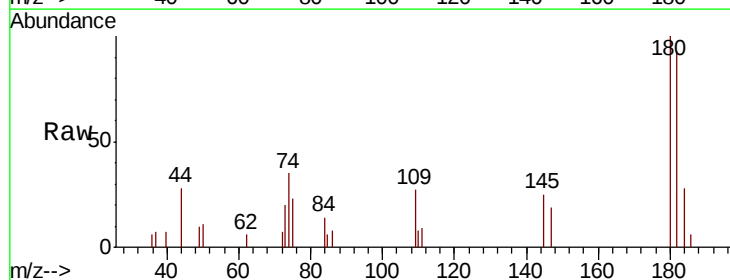
Tgt Ion:180 Resp: 2708

Ion Ratio Lower Upper

180 100

182 98.4 76.6 114.8

145 33.2 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

