

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039645.D
 Acq On : 23 Jul 2020 18:19
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:05:30 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	197437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	187981	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	87636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54575	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.92%
7) Chloroethane-d5	1.92	69	62519	40.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.18%
11) 1,1-Dichloroethene-d2	2.58	63	88872	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.65	46	135134	91.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.07%
24) Chloroform-d	5.08	84	120608	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
26) 1,2-Dichloroethane-d4	5.72	65	90834	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
32) Benzene-d6	5.74	84	236004	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
36) 1,2-Dichloropropane-d6	6.71	67	77897	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.02%
41) Toluene-d8	7.91	98	218908	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.19	79	36341	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.12%
47) 2-Hexanone-d5	8.64	63	85898	92.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.00%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117551	43.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.74%
64) 1,2-Dichlorobenzene-d4	12.19	152	86432	45.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2521	1.875 ug/L	97
3) Chloromethane	1.53	50	3118	2.231 ug/L	86
5) Vinyl chloride	1.61	62	3061	2.156 ug/L	86
6) Bromomethane	1.87	94	2547	2.387 ug/L	99
9) Trichlorofluoromethane	2.15	101	4430	1.766 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2842	2.353 ug/L #	75
12) 1,1-Dichloroethene	2.59	96	2930	2.601 ug/L #	1
13) Acetone	2.66	43	3741	3.788 ug/L	100
14) Carbon disulfide	2.81	76	6941	1.926 ug/L #	94
15) Methyl Acetate	2.96	43	1618	0.915 ug/L #	54
16) Methylene chloride	3.06	84	2676	1.984 ug/L	89
17) trans-1,2-Dichloroethene	3.38	96	2411	1.924 ug/L	89
18) Methyl tert-butyl Ether	3.38	73	7466	1.843 ug/L #	76
19) 1,1-Dichloroethane	3.90	63	4254	1.739 ug/L #	85
20) cis-1,2-Dichloroethene	4.69	96	2470	1.724 ug/L	77
22) 2-Butanone	4.73	43	6053	4.349 ug/L #	72
23) Bromochloromethane	5.00	128	928	1.289 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

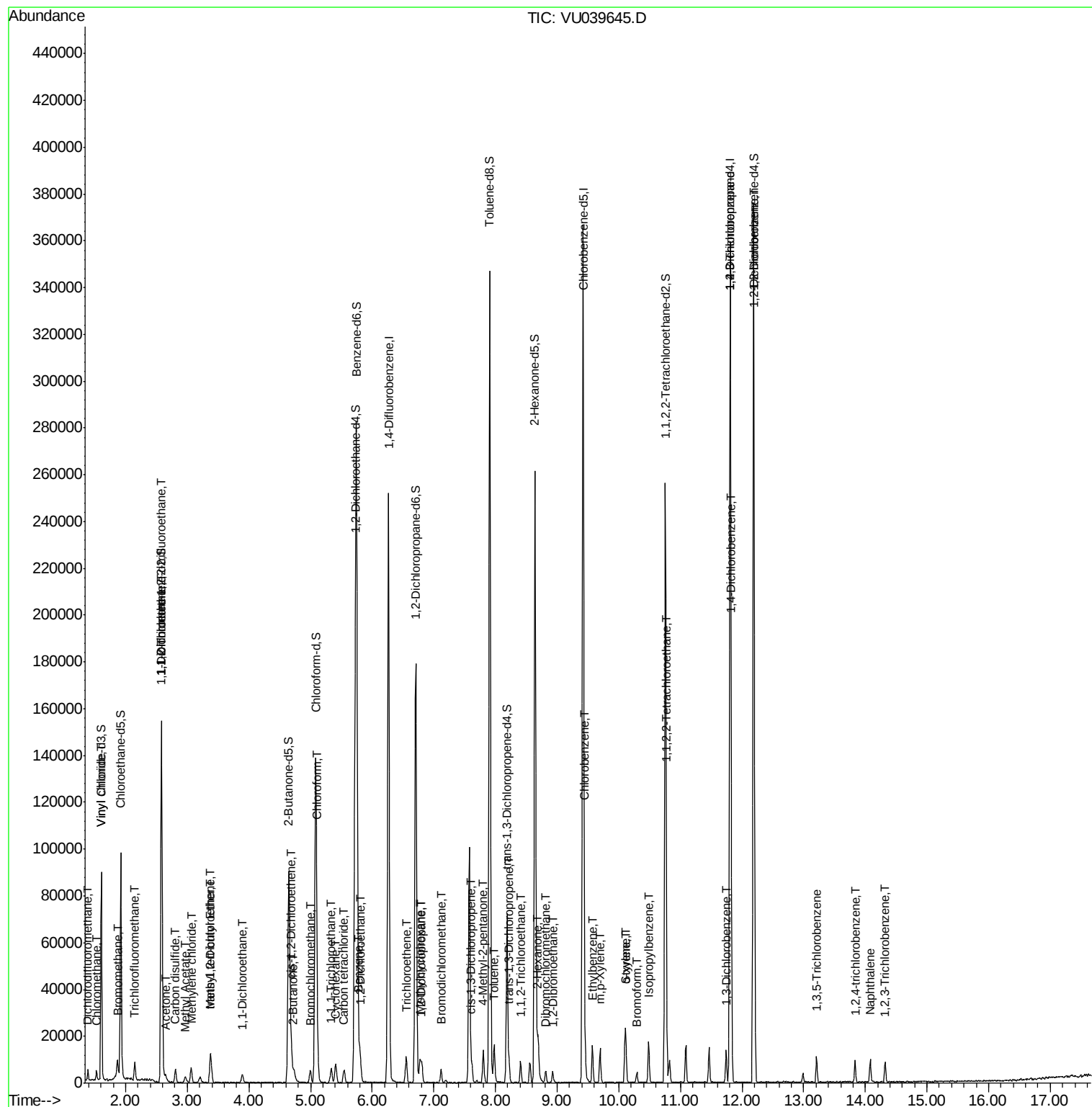
25) Chloroform	5.11	83	9890	3.646	ug/L	83
27) 1,2-Dichloroethane	5.81	62	4552	2.024	ug/L #	92
29) Cyclohexane	5.40	56	4141	2.028	ug/L	96
30) 1,1,1-Trichloroethane	5.34	97	4362	1.938	ug/L	97
31) Carbon tetrachloride	5.54	117	3369	1.805	ug/L	92
33) Benzene	5.79	78	10456	2.018	ug/L	100
34) Trichloroethene	6.56	95	2522	1.840	ug/L	85
35) Methylcyclohexane	6.77	83	3753	1.771	ug/L #	67
37) 1,2-Dichloropropane	6.80	63	2902	2.069	ug/L #	96
38) Bromodichloromethane	7.12	83	3328	1.787	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	3746	1.787	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	9460	3.871	ug/L #	96
42) Toluene	7.98	91	10489	1.841	ug/L	91
44) trans-1,3-Dichloropropene	8.22	75	3833	1.867	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2684	2.007	ug/L	93
48) 2-Hexanone	8.69	43	10940	5.494	ug/L	92
49) Dibromochloromethane	8.82	129	2655	1.758	ug/L	86
50) 1,2-Dibromoethane	8.93	107	2891	1.943	ug/L #	98
51) Chlorobenzene	9.45	112	6683	1.838	ug/L	93
52) Ethylbenzene	9.57	91	11051	1.755	ug/L	100
53) m,p-Xylene	9.70	106	4031	1.698	ug/L	96
54) o-xylene	10.10	106	4266	1.873	ug/L	88
55) Styrene	10.11	104	6053	1.536	ug/L	93
56) Isopropylbenzene	10.48	105	10420	1.685	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.78	83	5377	2.205	ug/L #	88
59) 1,2,3-Trichloropropane	11.81	75	14938	7.340	ug/L	97
61) Bromoform	10.29	173	1573	1.517	ug/L #	80
62) 1,3-Dichlorobenzene	11.74	146	4867	1.813	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	5148	1.914	ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	5756	2.122	ug/L #	89
67) 1,3,5-Trichlorobenzene	13.21	180	3273	1.691	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	2742	1.669	ug/L	96
69) Naphthalene	14.08	128	8244	1.673	ug/L #	87
70) 1,2,3-Trichlorobenzene	14.32	180	2931	1.766	ug/L	99

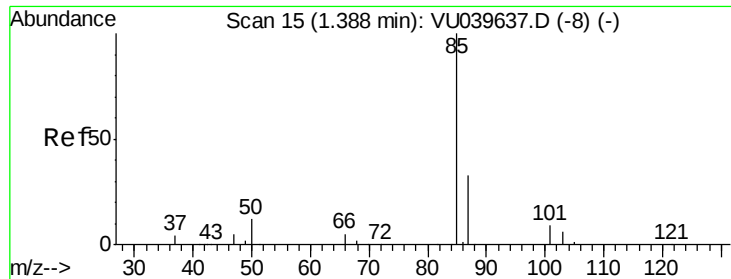
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.875 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

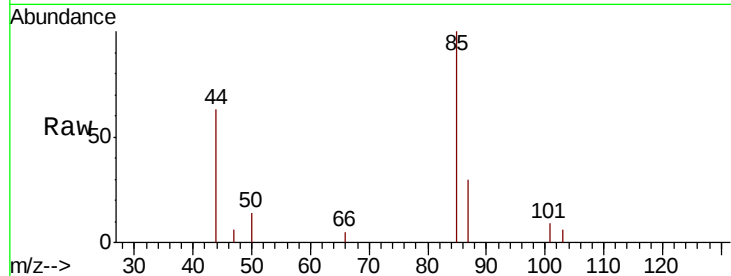
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 2521

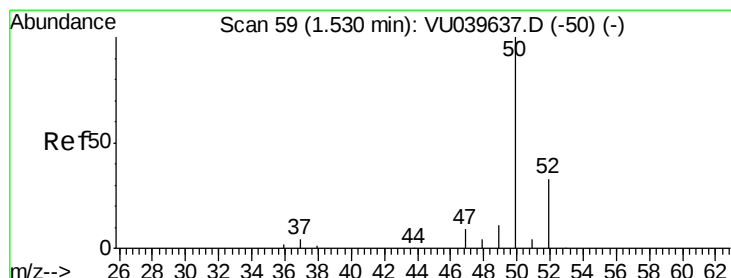
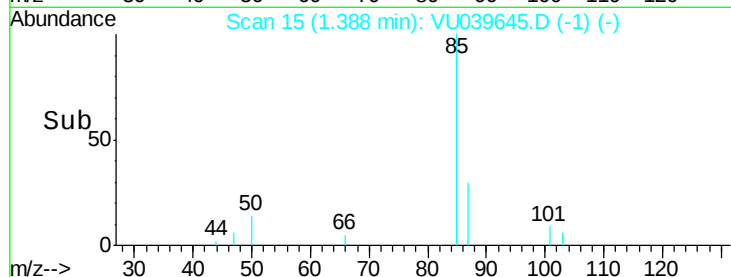
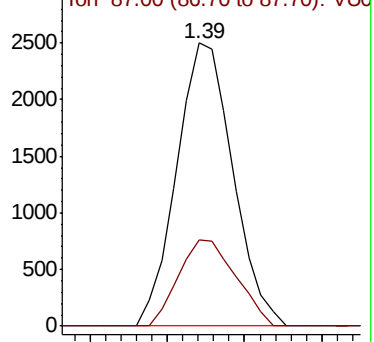
Ion Ratio Lower Upper

85 100

87 30.9 26.2 39.4



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



#3

Chloromethane

Concen: 2.231 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039645.D

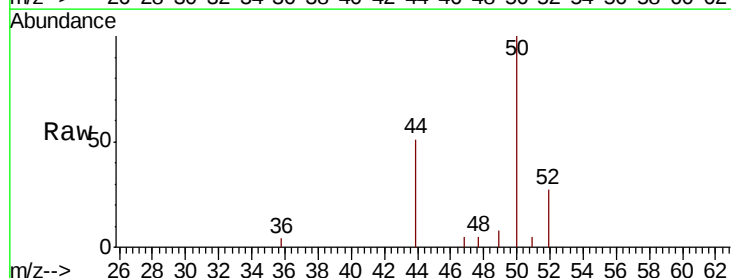
Acq: 23 Jul 2020 18:19

Tgt Ion: 50 Resp: 3118

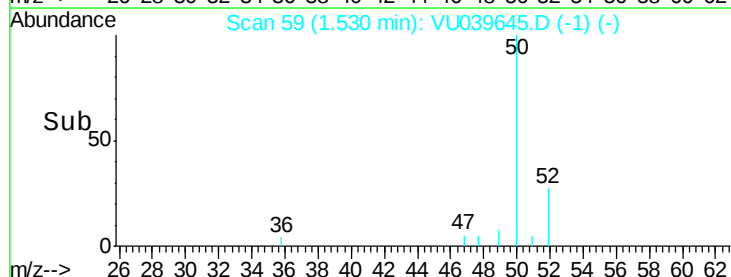
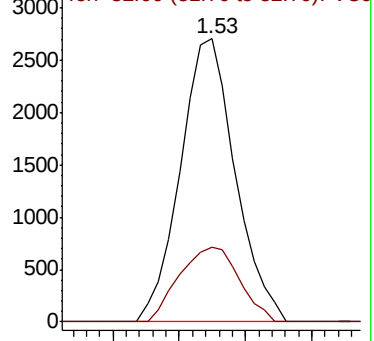
Ion Ratio Lower Upper

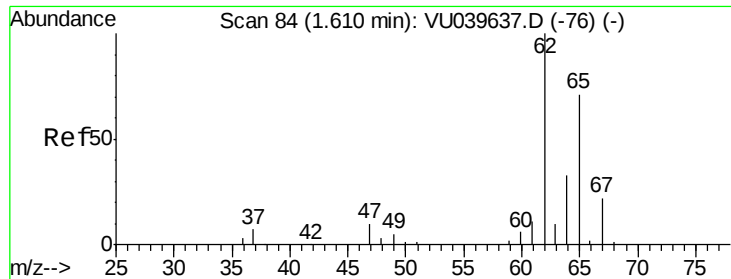
50 100

52 26.5 24.0 44.6



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





#5

Vinyl chloride

Concen: 2.156 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

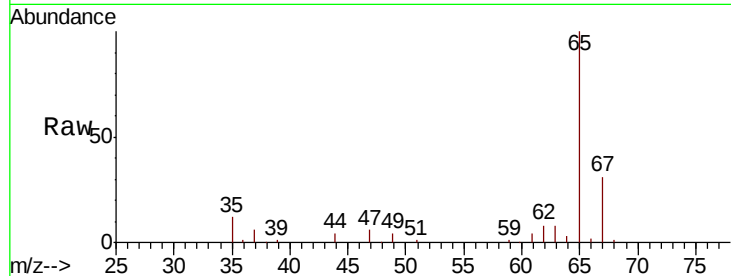
ClientSampled :

Tot Ion: 62 Resp: 3061

Ion Ratio Lower Upper

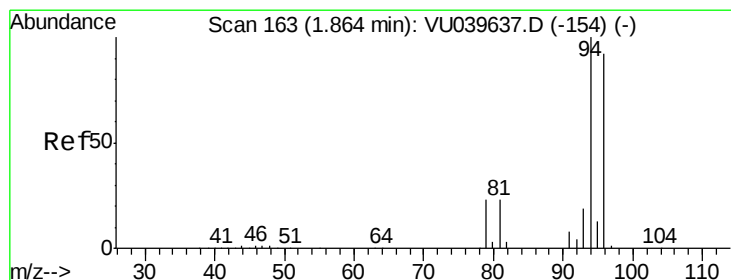
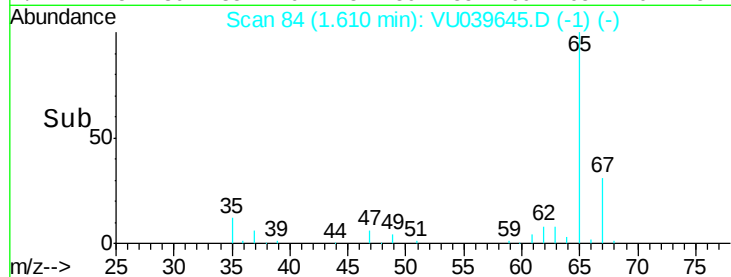
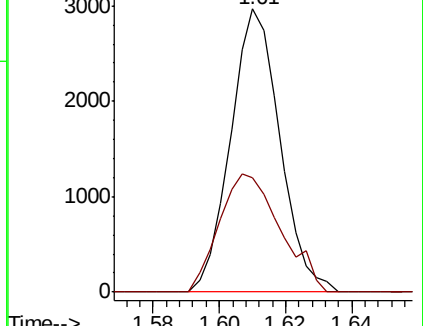
62 100

64 40.3 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: 2.387 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039645.D

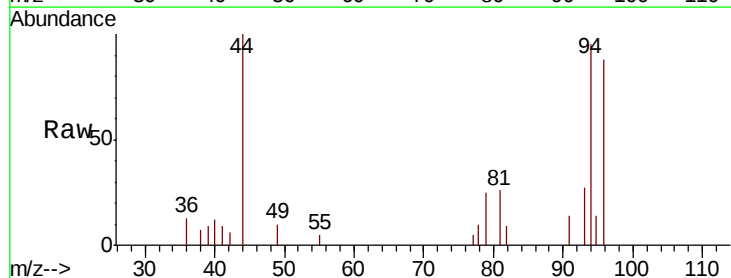
Acq: 23 Jul 2020 18:19

Tgt Ion: 94 Resp: 2547

Ion Ratio Lower Upper

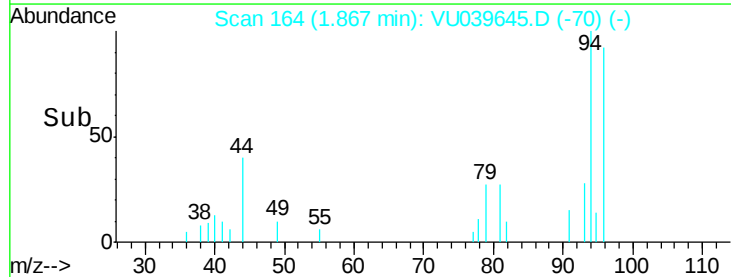
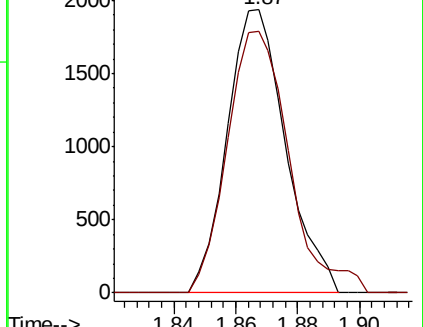
94 100

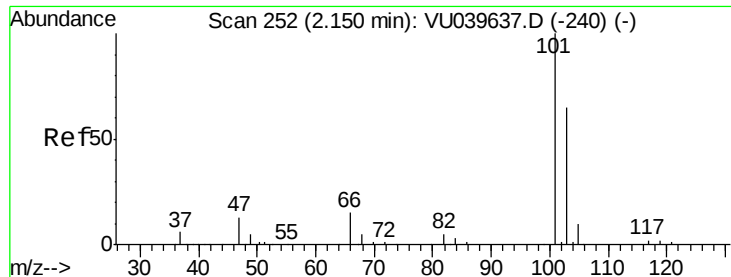
96 92.5 65.7 122.1



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

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



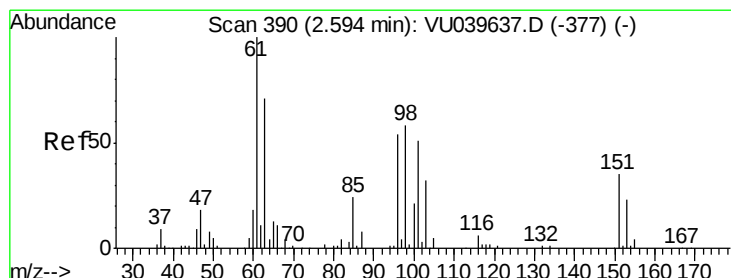
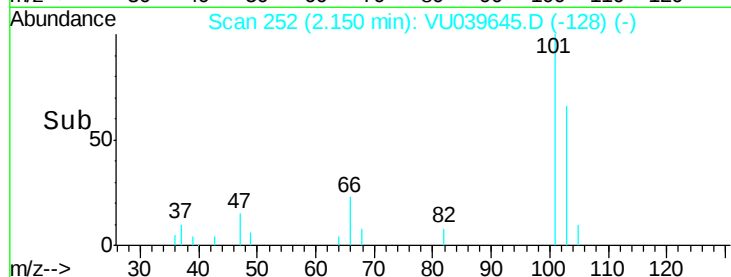
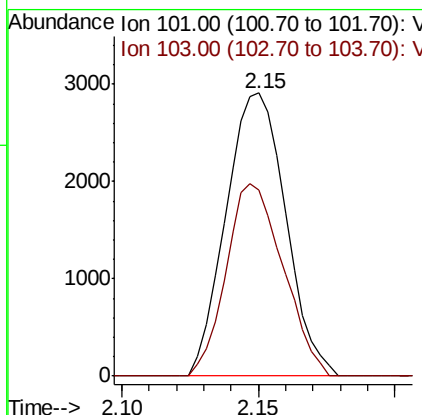
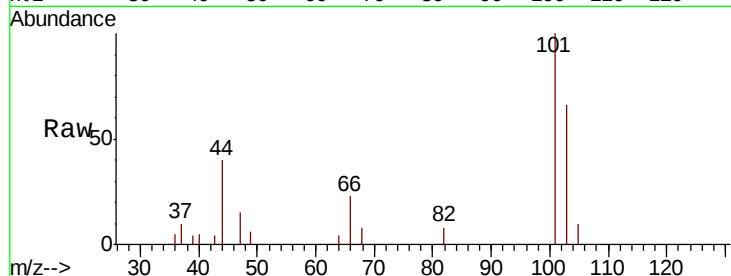


#9

Trichlorofluoromethane
 Concen: 1.766 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :

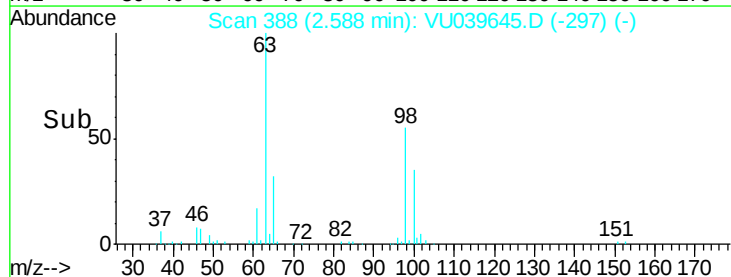
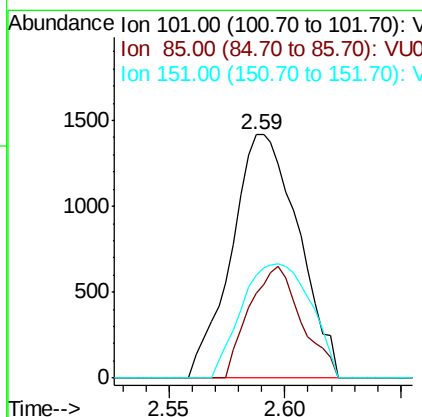
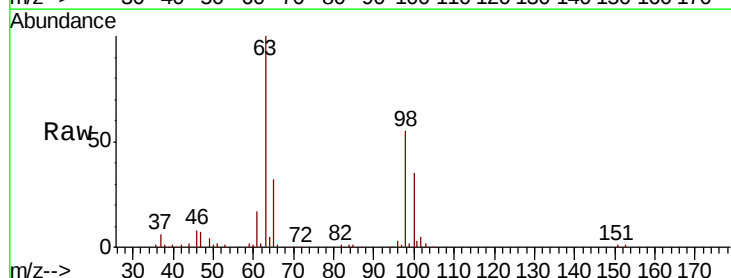
Tot Ion:101 Resp: 4430
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2

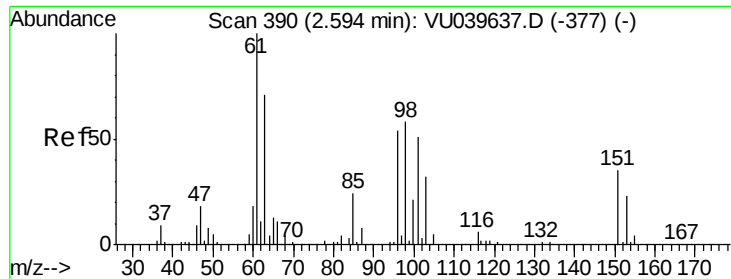


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.353 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion:101 Resp: 2842
 Ion Ratio Lower Upper
 101 100
 85 35.8 39.7 59.5#
 151 48.6 57.4 86.2#





#12

1,1-Dichloroethene

Concen: 2.601 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampled :

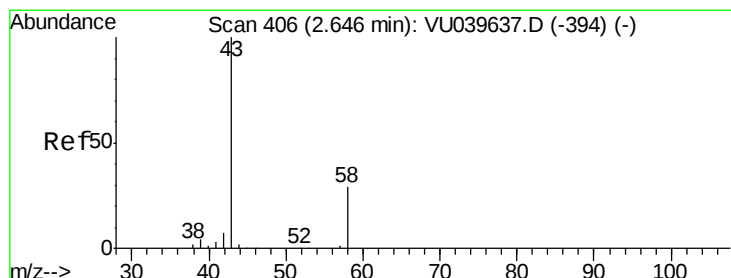
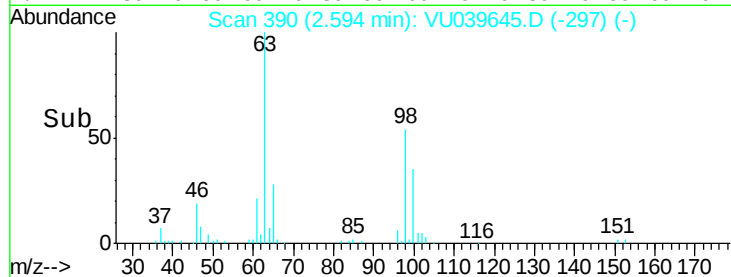
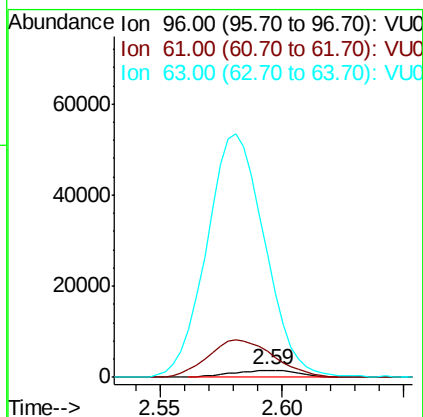
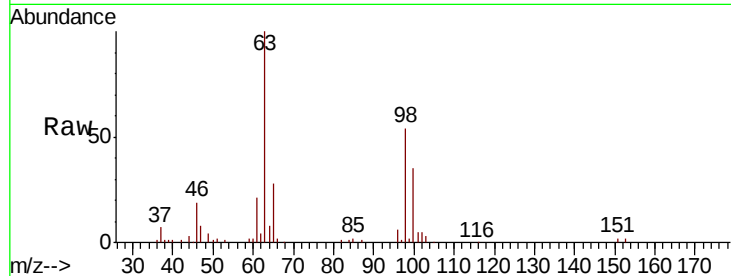
Tot Ion: 96 Resp: 2930

Ion Ratio Lower Upper

96 100

61 368.9 136.6 253.6#

63 1762.1 97.2 180.6#



#13

Acetone

Concen: 3.788 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU039645.D

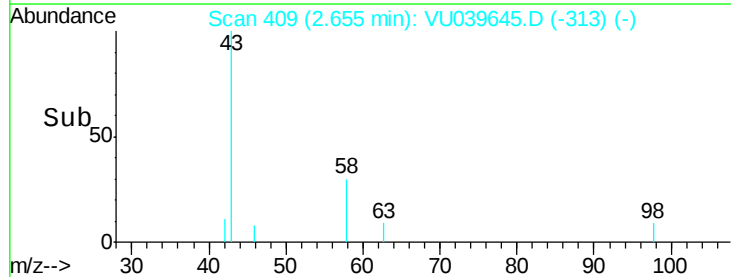
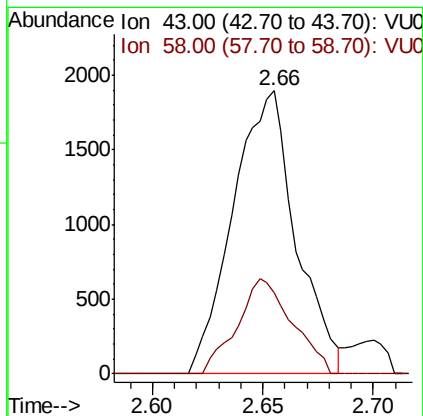
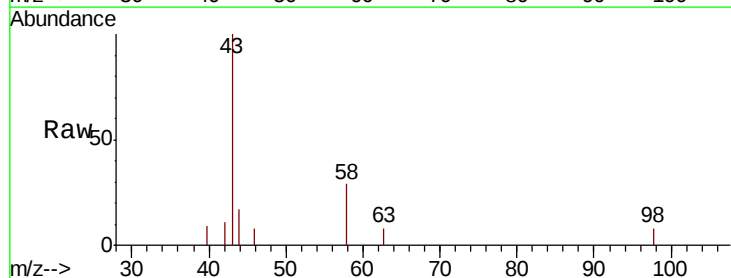
Acq: 23 Jul 2020 18:19

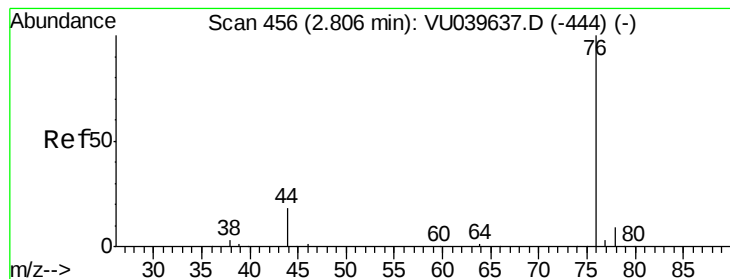
Tgt Ion: 43 Resp: 3741

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4





#14

Carbon disulfide

Concen: 1.926 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

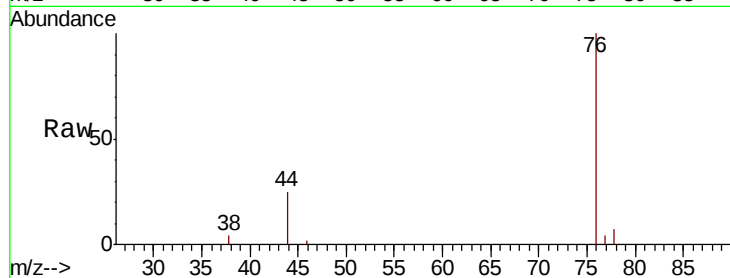
ClientSampleId :

Tot Ion: 76 Resp: 6941

Ion Ratio Lower Upper

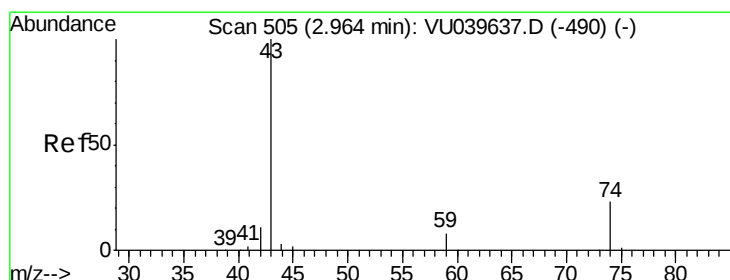
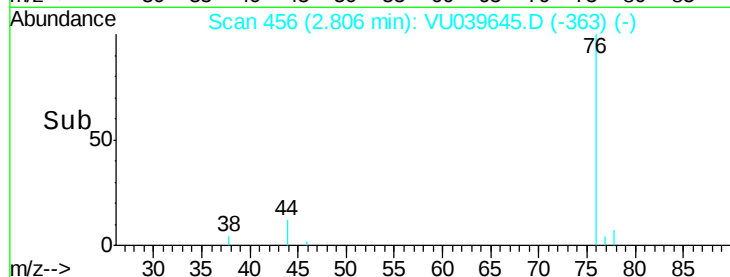
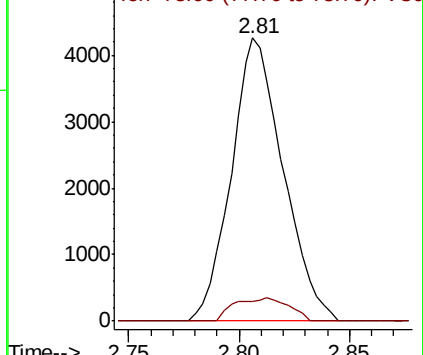
76 100

78 6.9 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: 0.915 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU039645.D

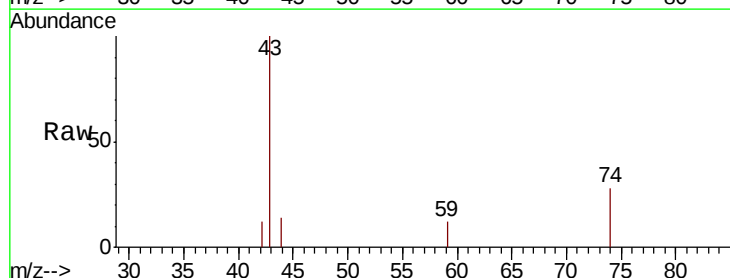
Acq: 23 Jul 2020 18:19

Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

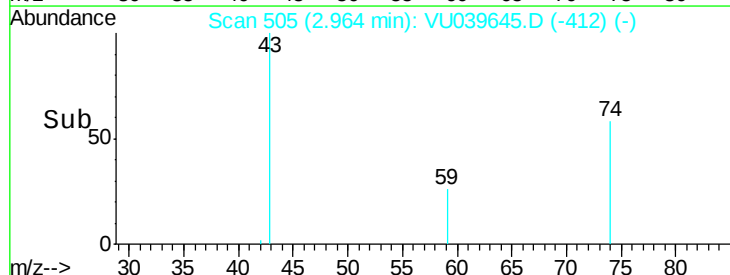
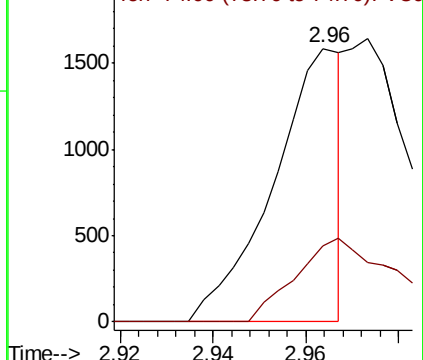
43 100

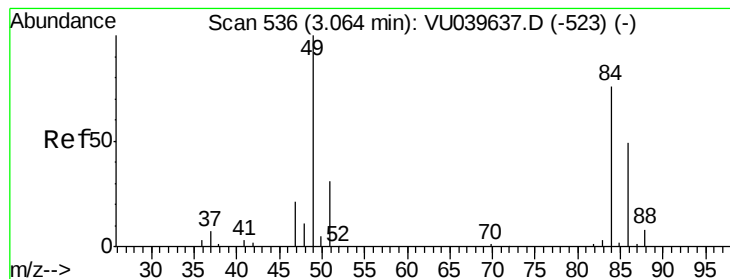
74 43.7 17.4 26.0#



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

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





#16

Methylene chloride

Concen: 1.984 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

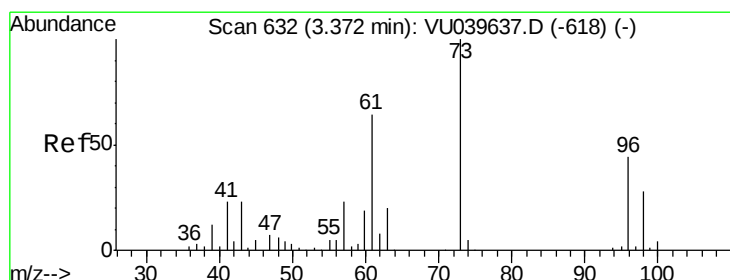
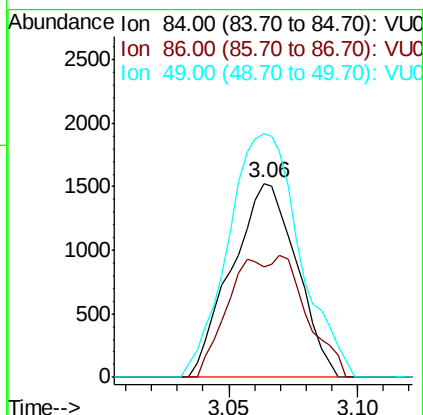
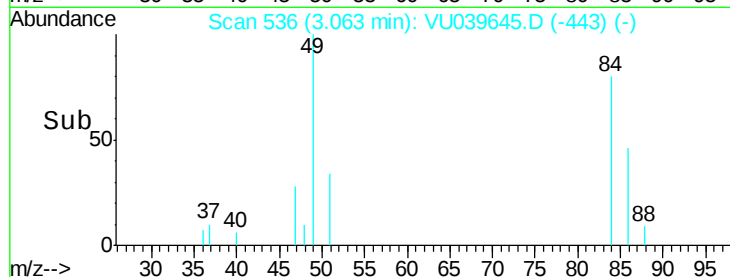
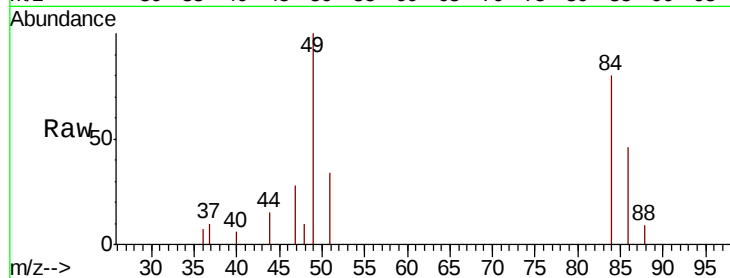
Tot Ion: 84 Resp: 2676

Ion Ratio Lower Upper

84 100

86 57.2 46.2 85.8

49 125.5 97.3 180.7



#17

trans-1,2-Dichloroethene

Concen: 1.924 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

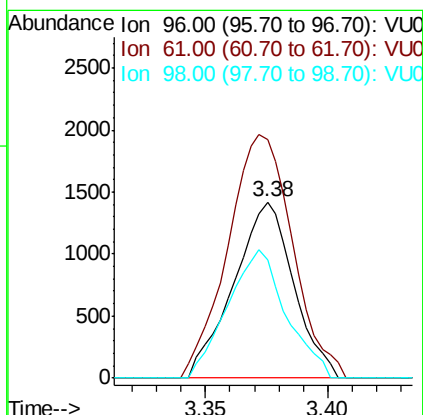
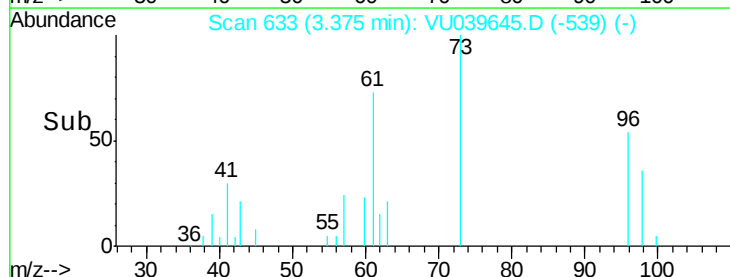
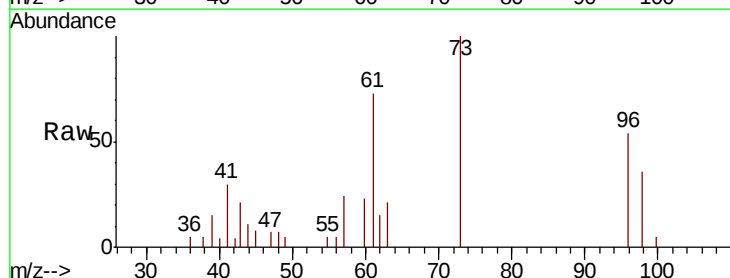
Tgt Ion: 96 Resp: 2411

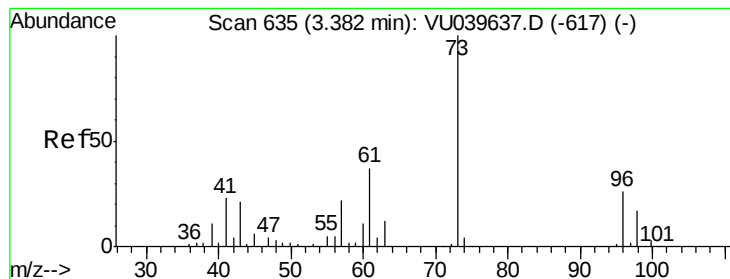
Ion Ratio Lower Upper

96 100

61 135.4 106.7 198.1

98 67.3 44.3 82.3



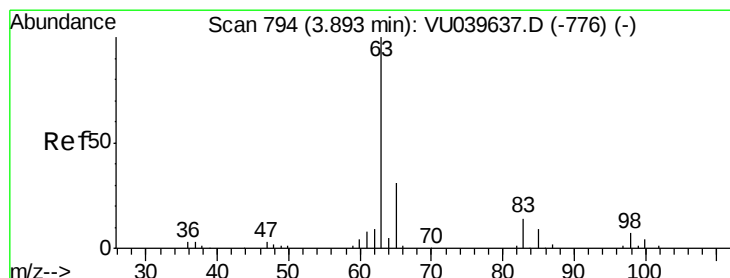
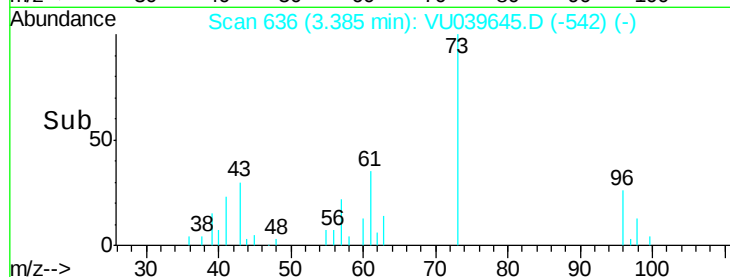
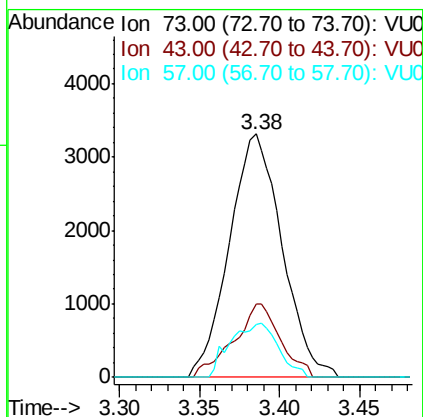
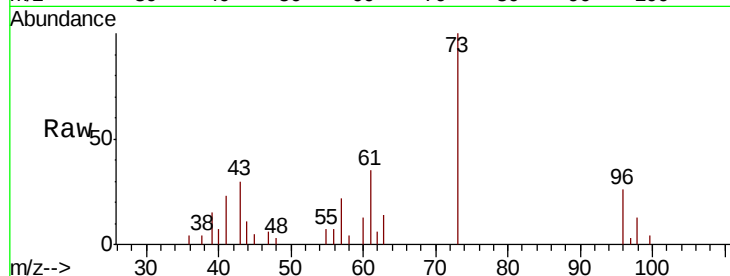


#18

Methvl tert-butvl Ether
 Concen: 1.843 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :

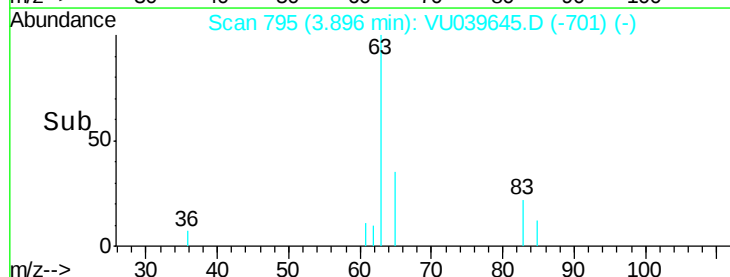
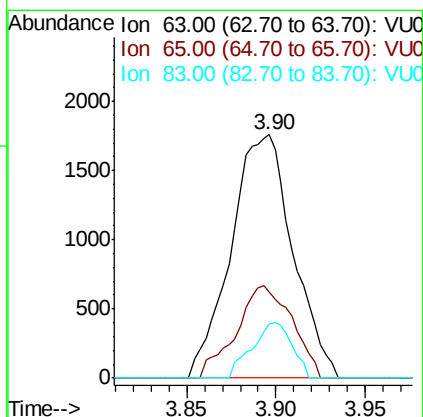
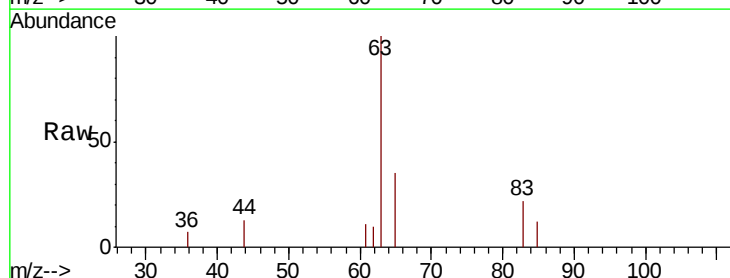
Tot Ion: 73 Resp: 7466
 Ion Ratio Lower Upper
 73 100
 43 26.8 18.2 27.2
 57 2.7 17.4 26.2#

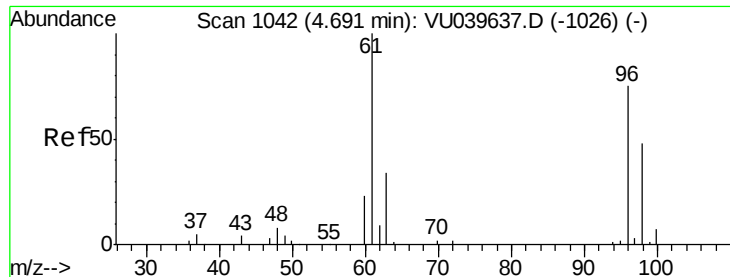


#19

1,1-Dichloroethane
 Concen: 1.739 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 63 Resp: 4254
 Ion Ratio Lower Upper
 63 100
 65 35.4 20.4 38.0
 83 22.3 9.7 18.1#

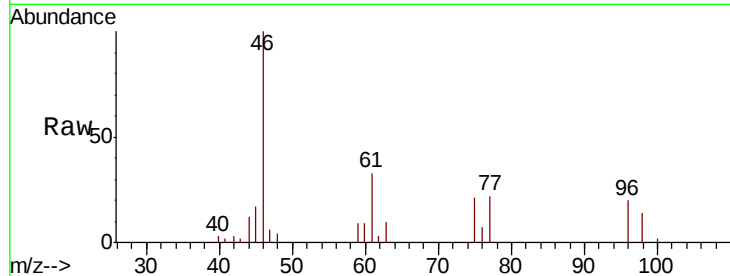




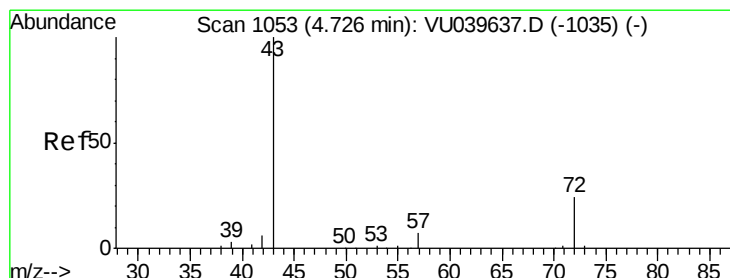
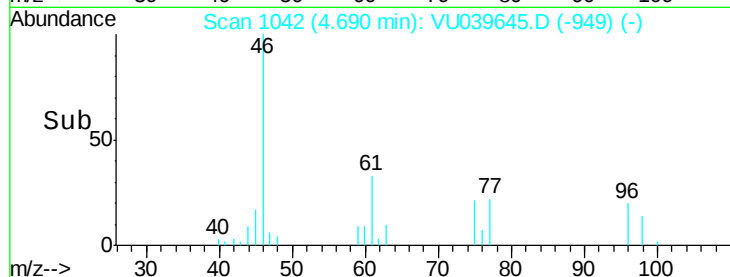
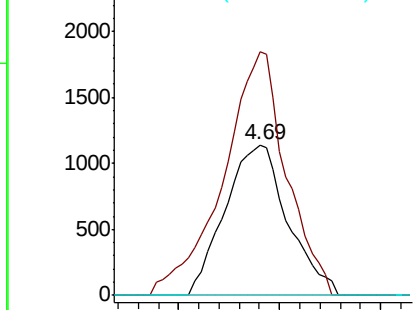
#20
 cis-1,2-Dichloroethene
 Concen: 1.724 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 2470
 Ion Ratio Lower Upper
 96 100
 61 161.9 94.0 174.6
 68 0.0 0.0 0.0

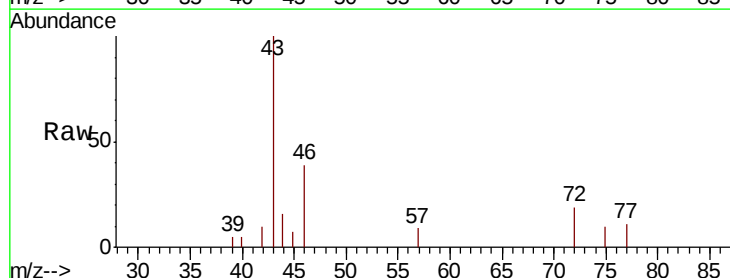


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

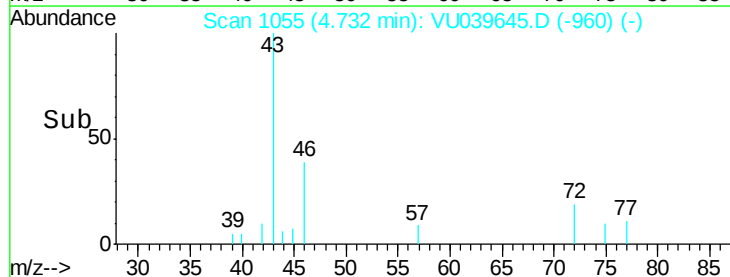
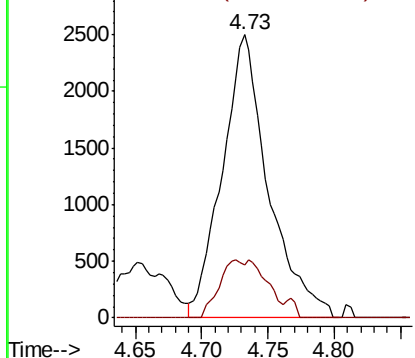


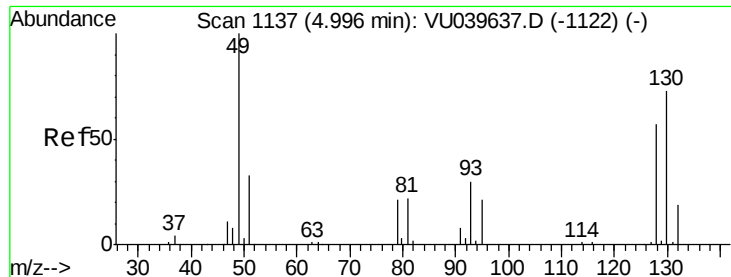
#22
 2-Butanone
 Concen: 4.349 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 43 Resp: 6053
 Ion Ratio Lower Upper
 43 100
 72 11.3 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: 1.289 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 928

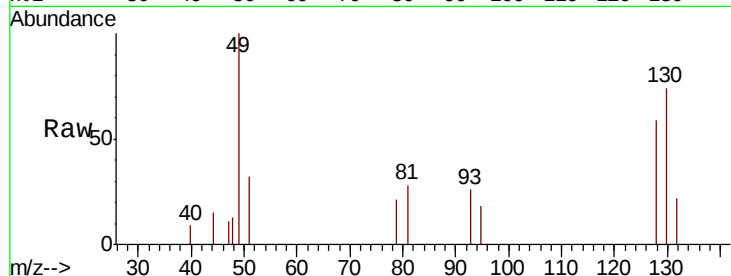
Ion Ratio Lower Upper

128 100

49 170.1 124.5 231.3

130 125.2 94.4 175.2

51 54.2 43.5 65.3

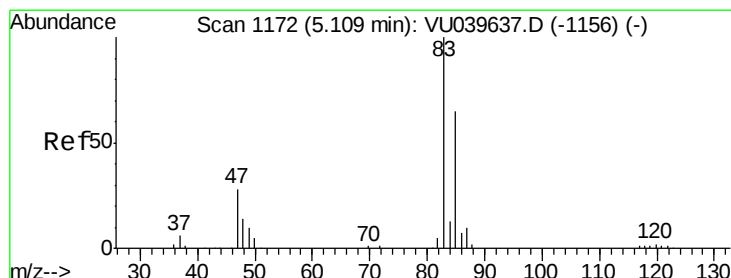
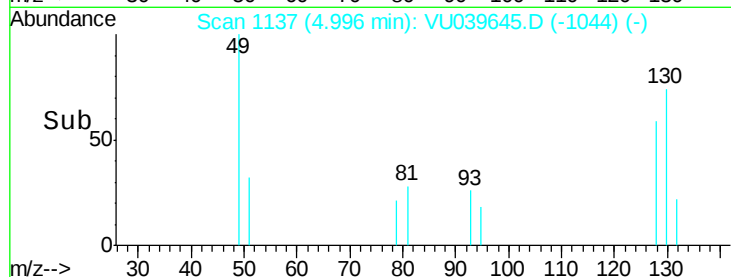
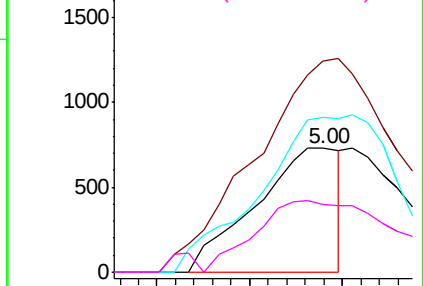


Abundance Ion 128.00 (127.70 to 128.70): VU039645.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VU039645.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VU039645.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VU039645.D (-1044) (-)



#25

Chloroform

Concen: 3.646 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039645.D

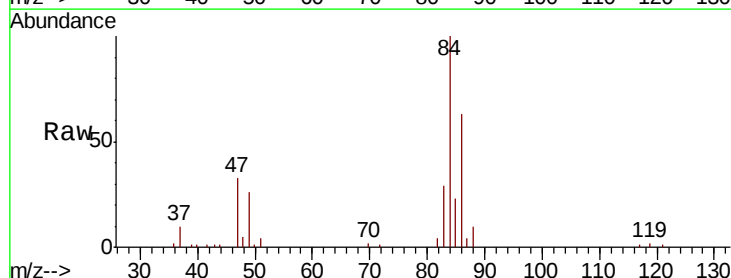
Acq: 23 Jul 2020 18:19

Tgt Ion: 83 Resp: 9890

Ion Ratio Lower Upper

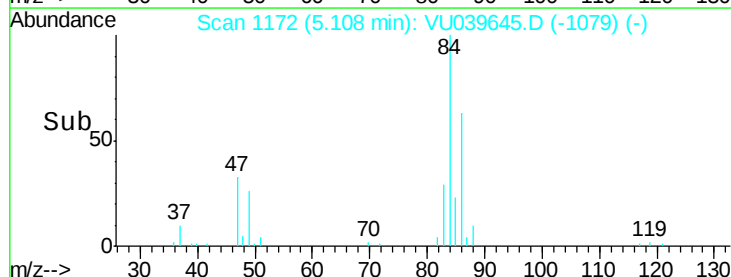
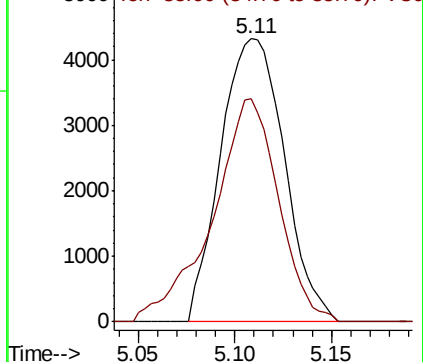
83 100

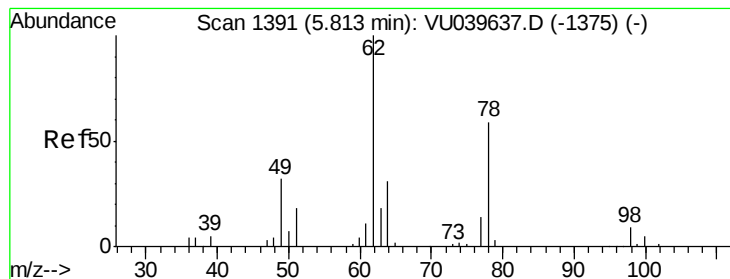
85 78.8 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU039645.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039645.D (-1079) (-)





#27

1,2-Dichloroethane

Concen: 2.024 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

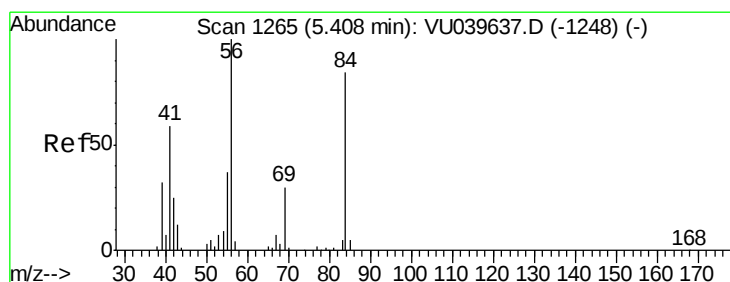
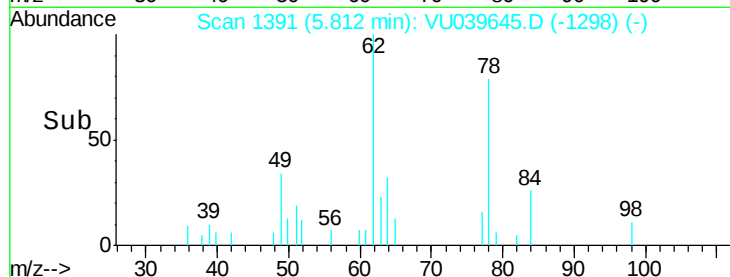
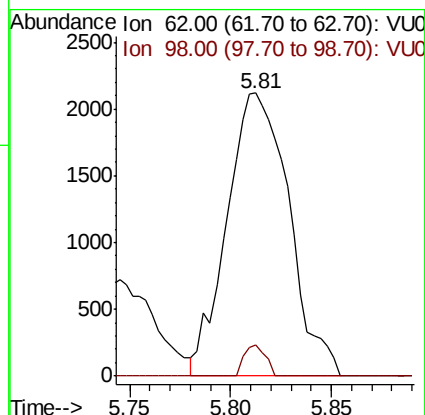
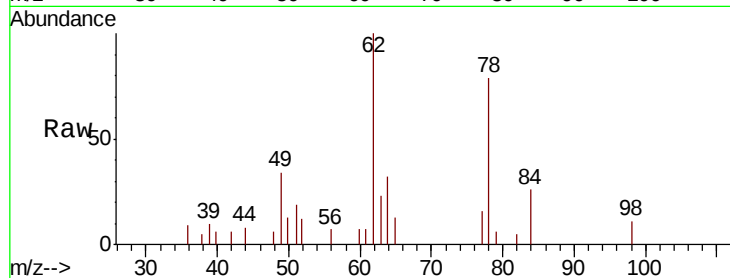
ClientSampleId :

Tot Ion: 62 Resp: 4552

Ion Ratio Lower Upper

62 100

98 10.9 6.4 9.6#



#29

Cyclohexane

Concen: 2.028 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

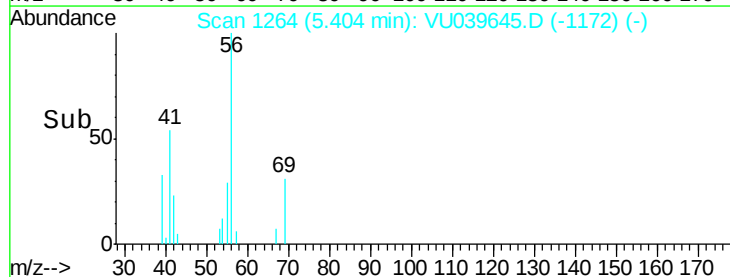
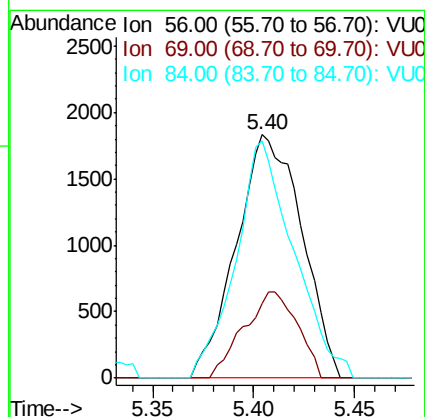
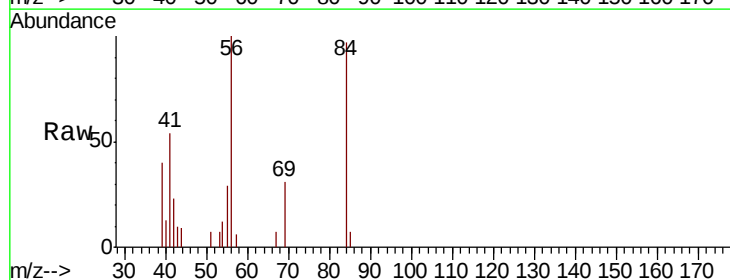
Tgt Ion: 56 Resp: 4141

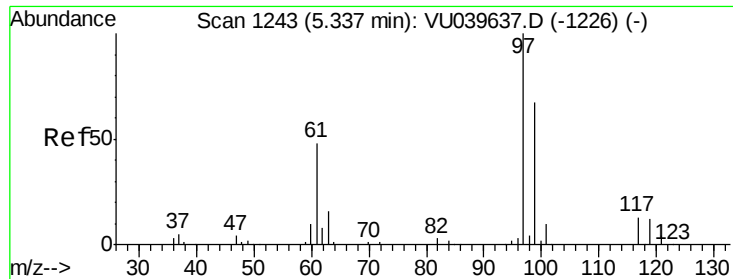
Ion Ratio Lower Upper

56 100

69 29.1 23.9 35.9

84 86.5 65.8 98.8

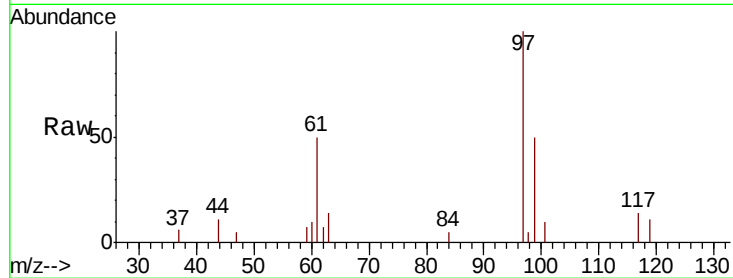




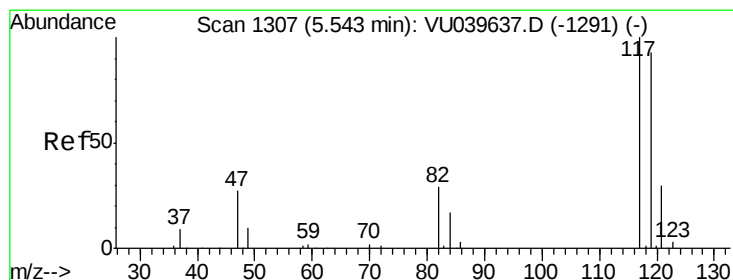
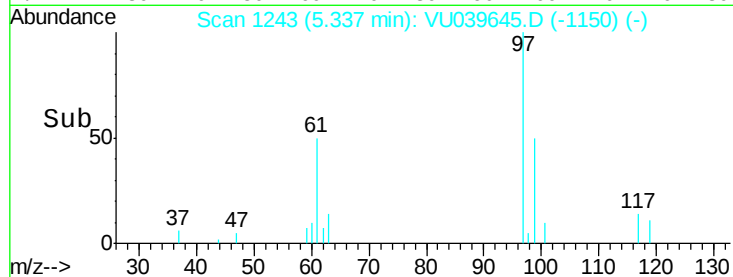
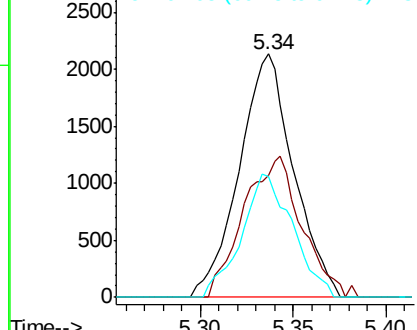
#30
 1,1,1-Trichloroethane
 Concen: 1.938 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 4362
 Ion Ratio Lower Upper
 97 100
 99 61.8 50.3 75.5
 61 47.8 36.0 54.0

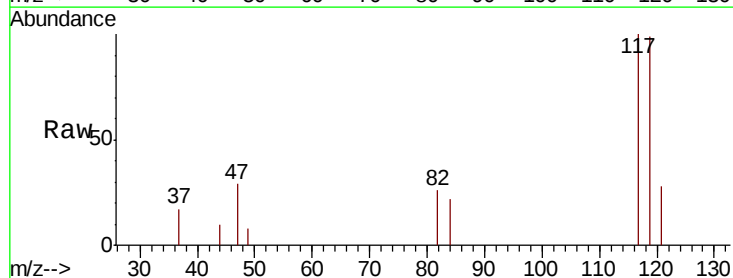


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

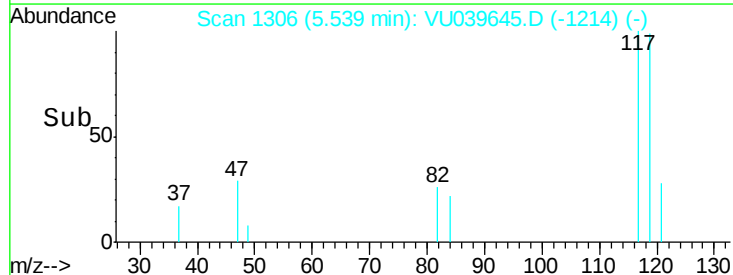
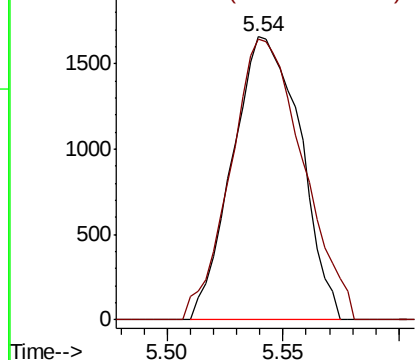


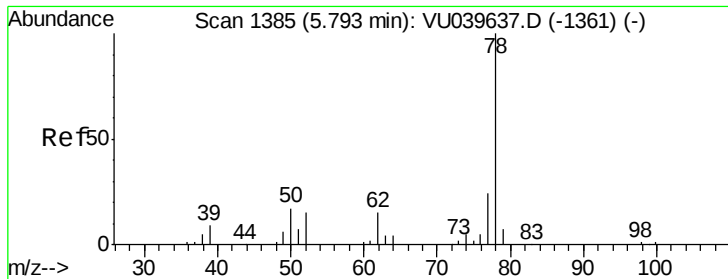
#31
 Carbon tetrachloride
 Concen: 1.805 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 117 Resp: 3369
 Ion Ratio Lower Upper
 117 100
 119 105.6 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: 2.018 ug/L

RT: 5.79 min Scan# 1385

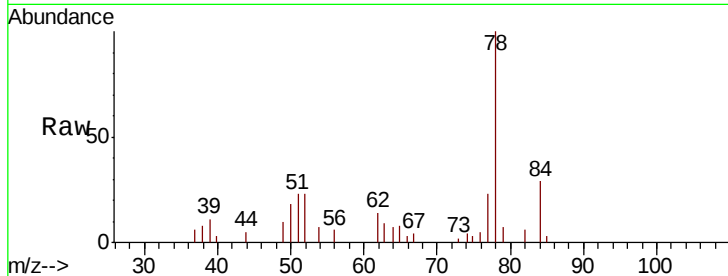
Delta R.T. -0.00 min

Lab File: VU039645.D

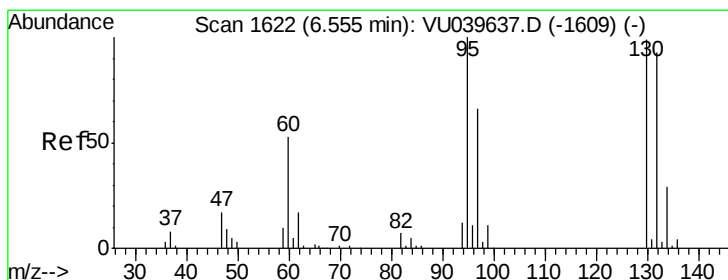
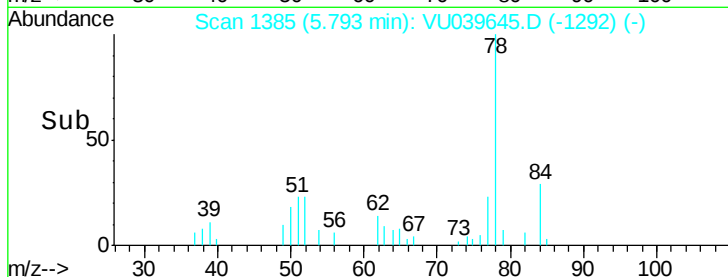
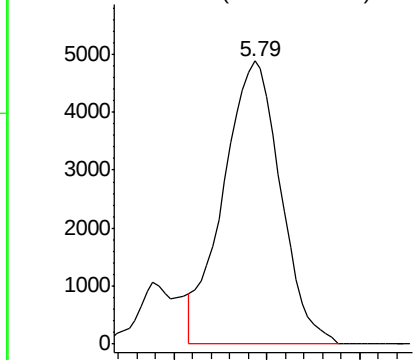
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 10456



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.840 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Tgt Ion: 95 Resp: 2522

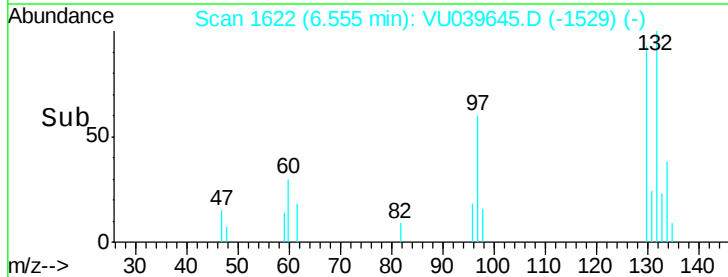
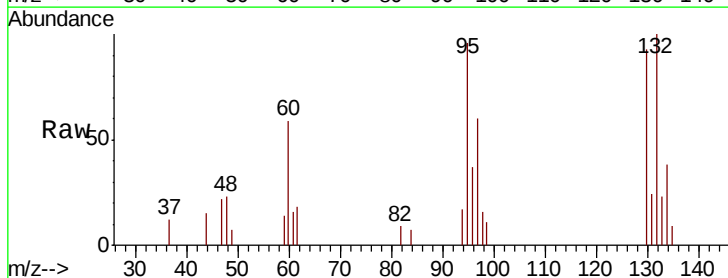
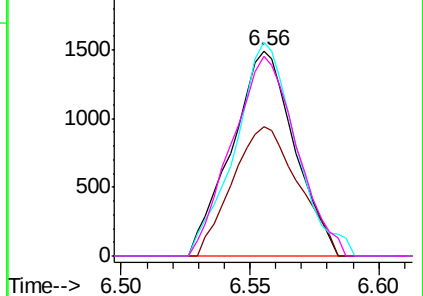
Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.5	84.5
132	104.3	65.0	120.6
130	122.1	67.9	126.1

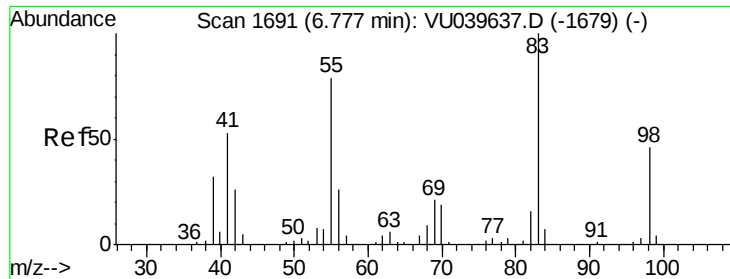
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): VU0

Ion 130.00 (129.70 to 130.70): VU0

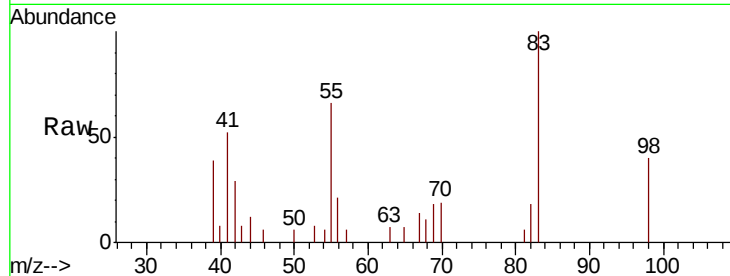




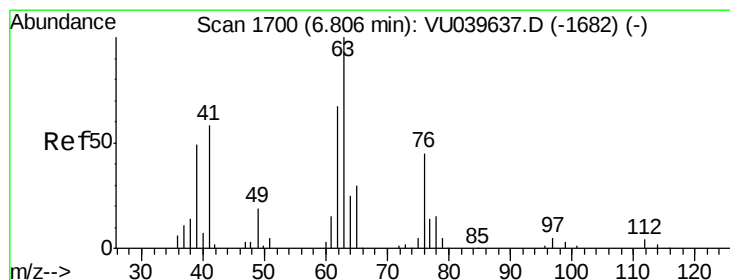
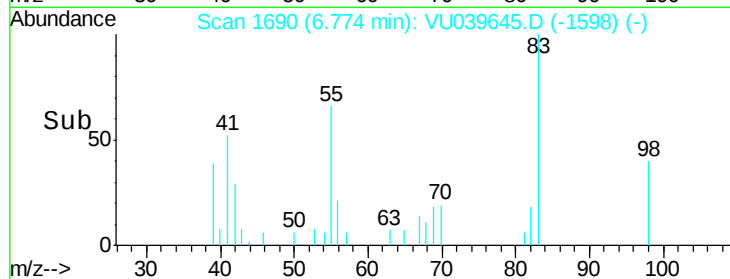
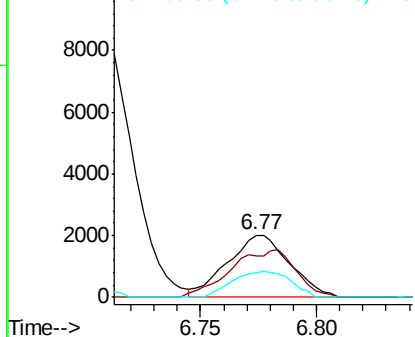
#35
Methvlcvclohexane
Concen: 1.771 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3753
Ion Ratio Lower Upper
83 100
55 37.7 62.9 94.3#
98 39.0 36.3 54.5

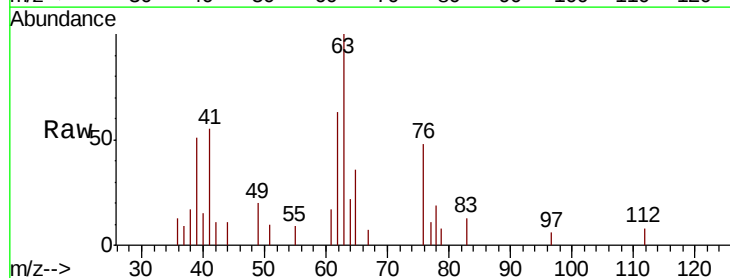


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

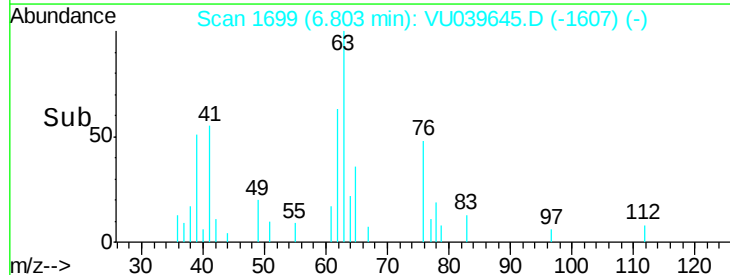
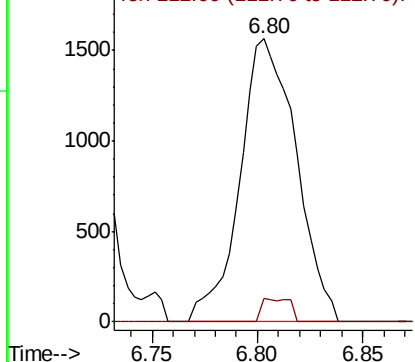


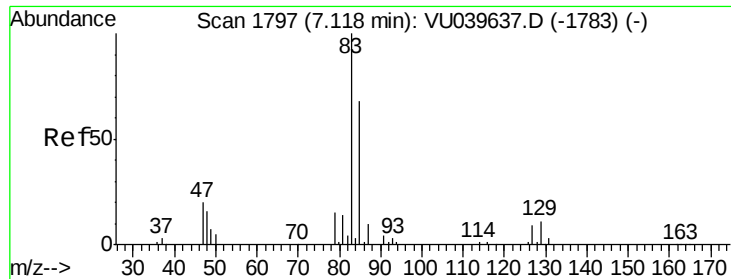
#37
1,2-Dichloropropane
Concen: 2.069 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Tgt Ion: 63 Resp: 2902
Ion Ratio Lower Upper
63 100
112 2.4 3.0 4.4#



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

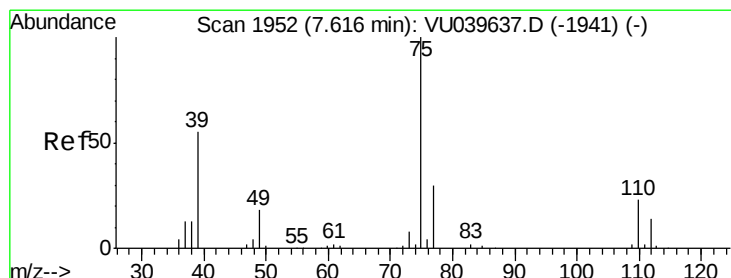
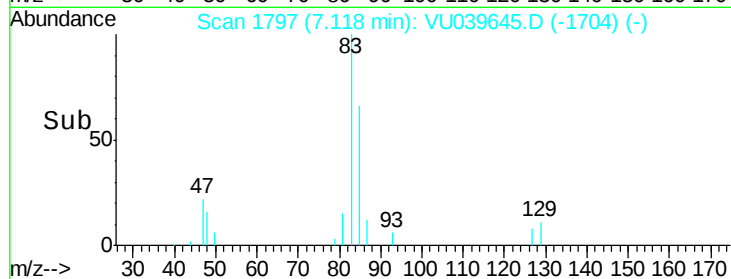
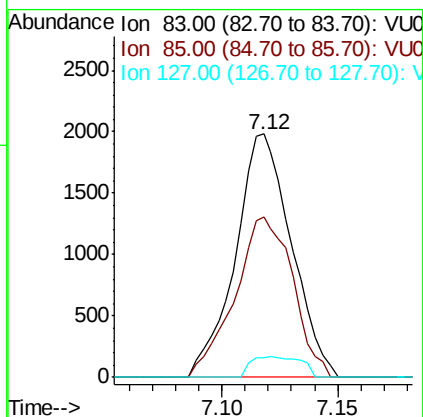
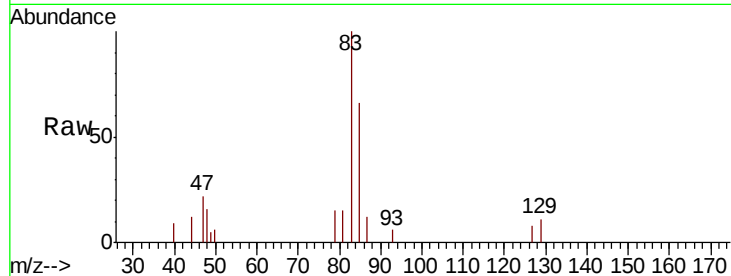




#38
 Bromodichloromethane
 Concen: 1.787 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

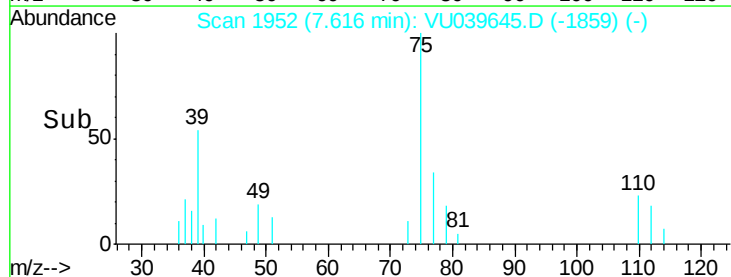
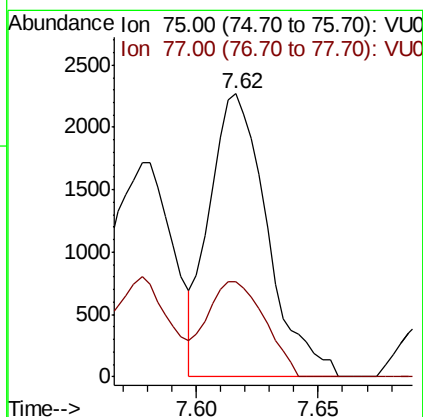
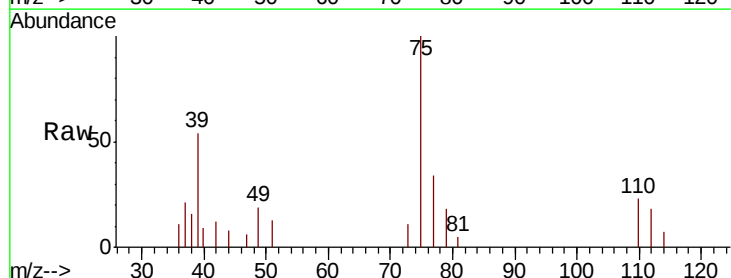
Instrument :
 MSVOA_U
 ClientSampleId :

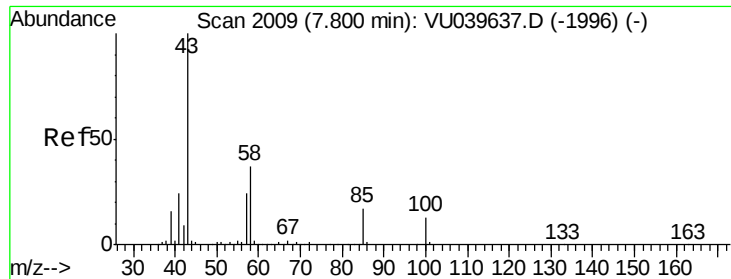
Tot Ion: 83 Resp: 3328
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.9 85.3
 127 8.0 7.4 11.2



#39
 cis-1,3-Dichloropropene
 Concen: 1.787 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 75 Resp: 3746
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.8 40.6

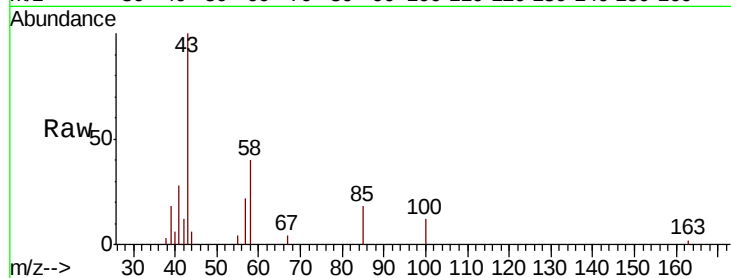




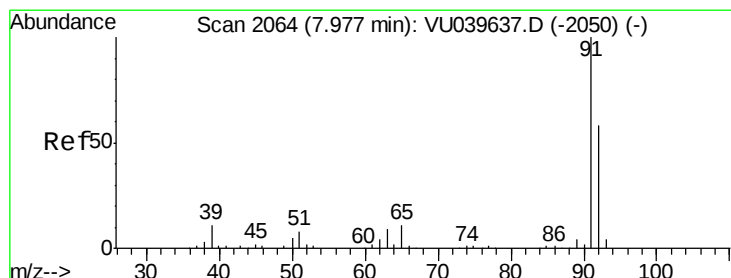
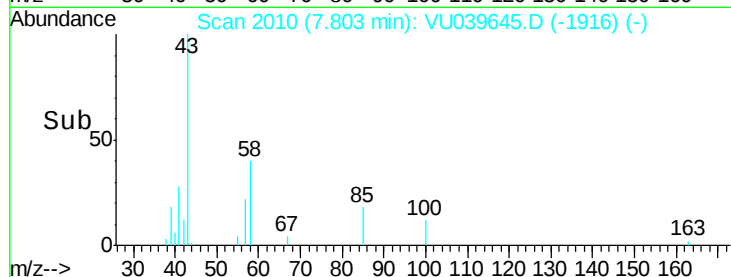
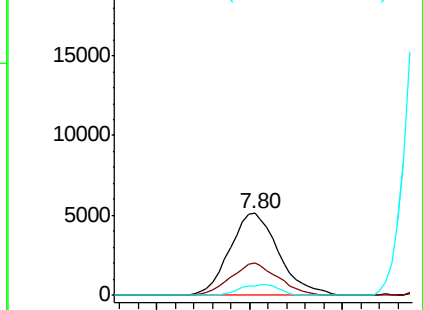
#40
4-Methyl-2-pentanone
Concen: 3.871 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 9460
Ion Ratio Lower Upper
43 100
58 37.7 29.1 43.7
100 10.3 10.6 16.0#

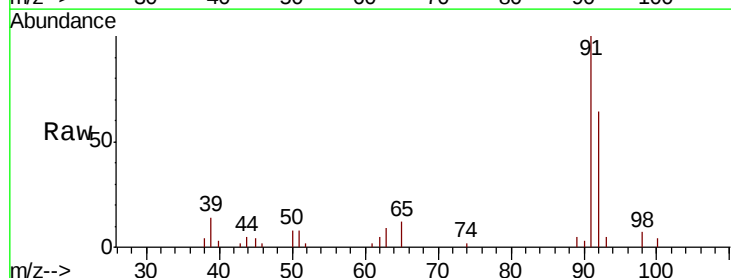


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

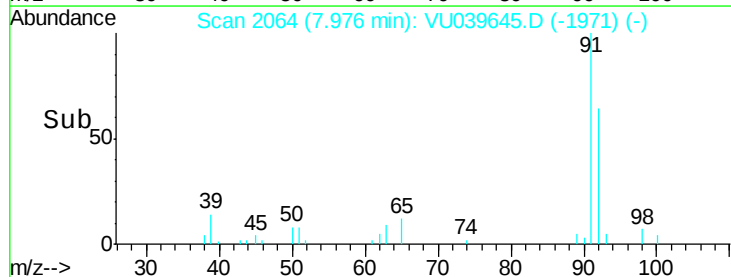
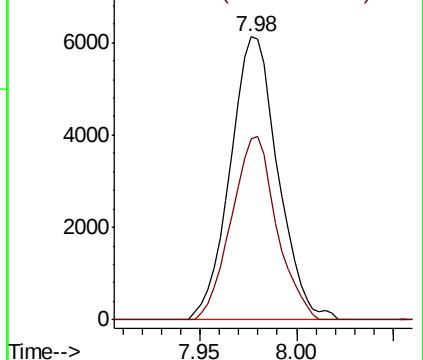


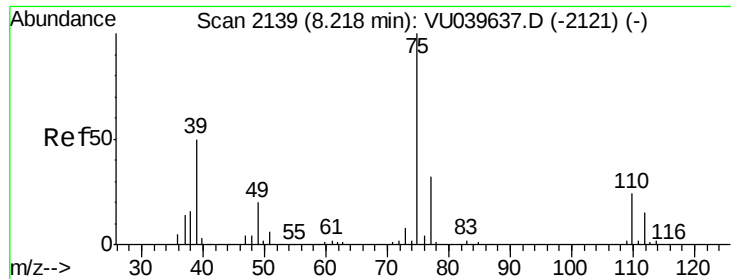
#42
Toluene
Concen: 1.841 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Tgt Ion: 91 Resp: 10489
Ion Ratio Lower Upper
91 100
92 63.8 40.1 74.5



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

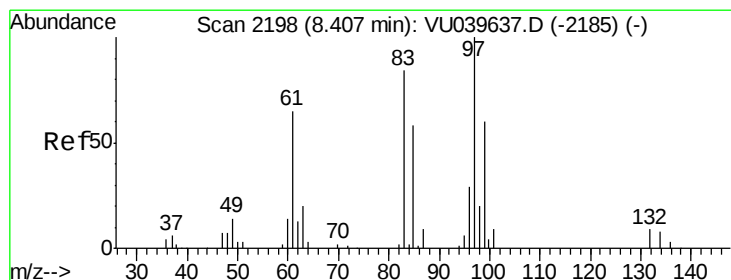
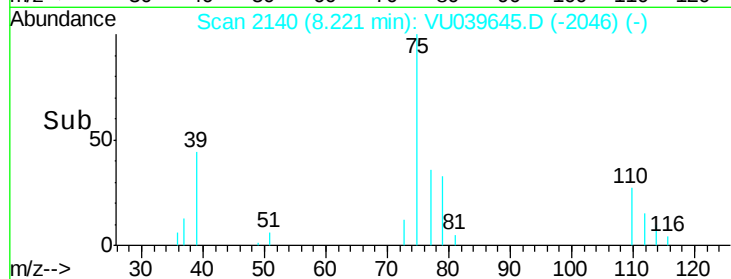
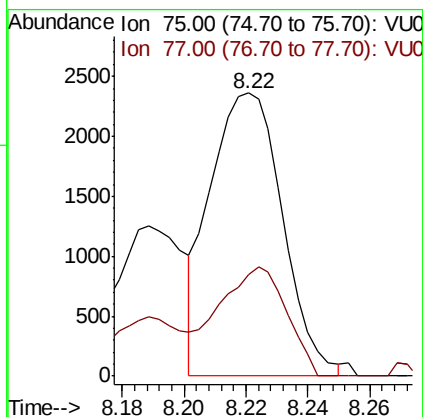
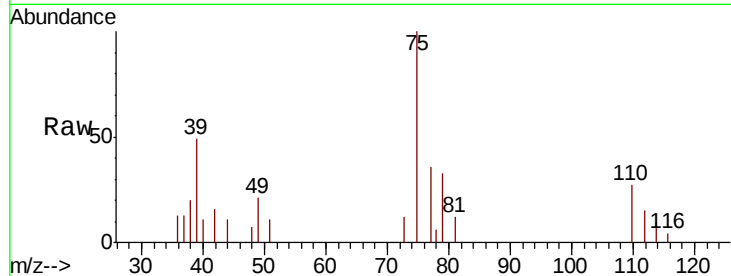




#44
trans-1,3-Dichloropropene
Concen: 1.867 ug/L
RT: 8.22 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

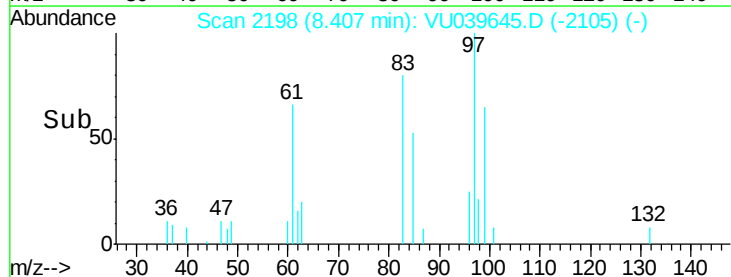
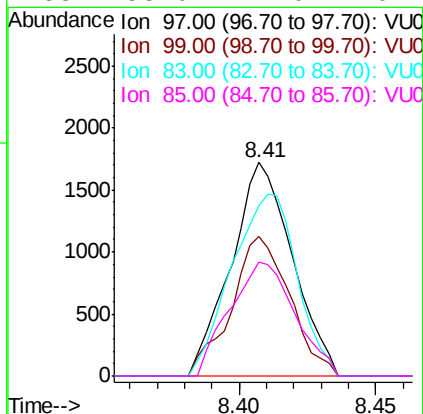
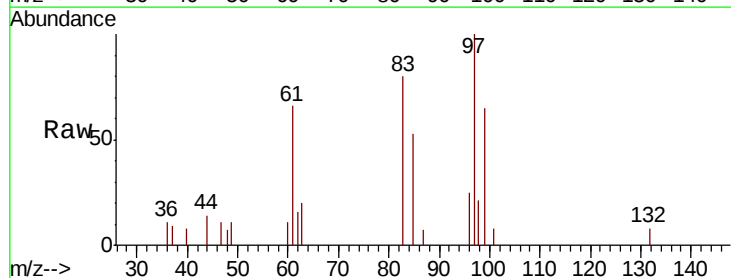
Instrument :
MSVOA_U
ClientSampled :

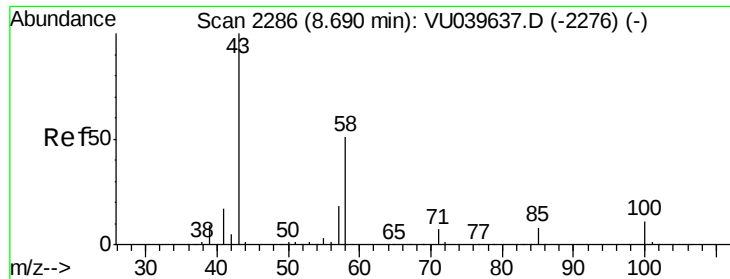
Tot Ion: 75 Resp: 3833
Ion Ratio Lower Upper
75 100
77 35.7 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 2.007 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Tgt Ion: 97 Resp: 2684
Ion Ratio Lower Upper
97 100
99 65.1 45.1 83.9
83 79.9 62.7 116.5
85 53.0 41.0 76.2

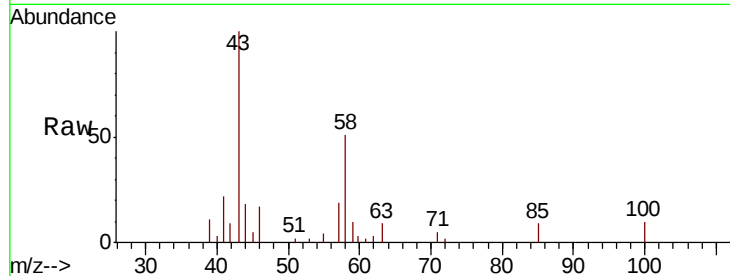




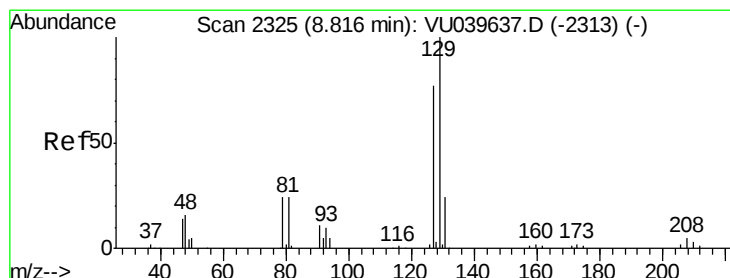
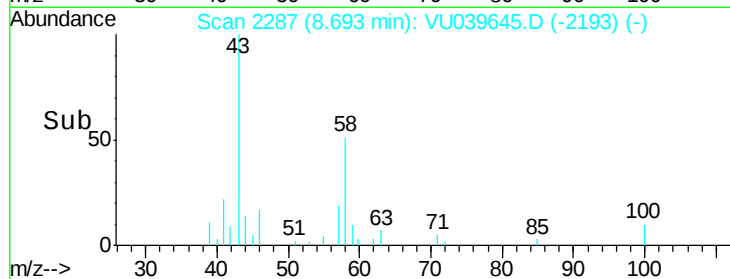
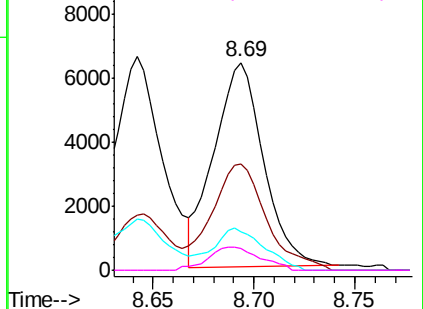
#48
2-Hexanone
Concen: 5.494 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10940
Ion Ratio Lower Upper
43 100
58 56.9 40.6 61.0
57 21.5 14.5 21.7
100 11.4 8.0 12.0

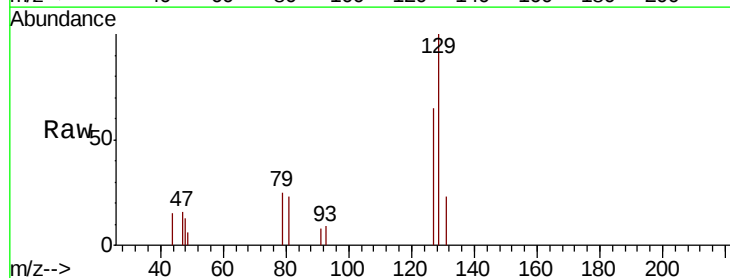


Abundance Ion 43.00 (42.70 to 43.70): VU039645.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VU039645.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VU039645.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VU039645.D (-2193) (-)

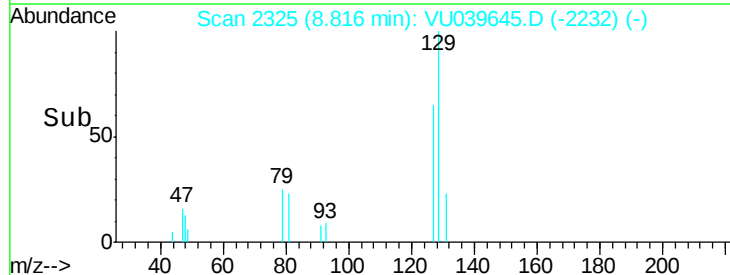
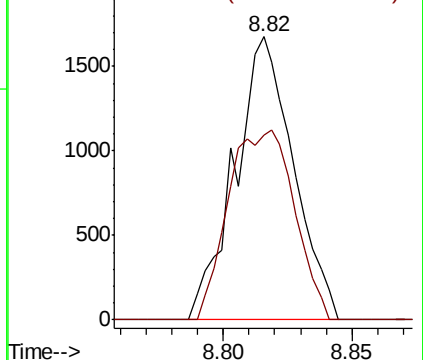


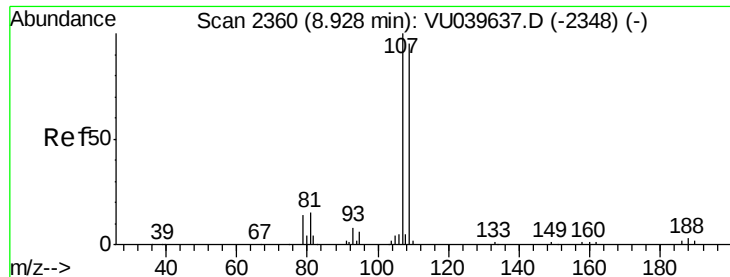
#49
Dibromochloromethane
Concen: 1.758 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039645.D
Acq: 23 Jul 2020 18:19

Tgt Ion: 129 Resp: 2655
Ion Ratio Lower Upper
129 100
127 65.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039645.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU039645.D (-2232) (-)

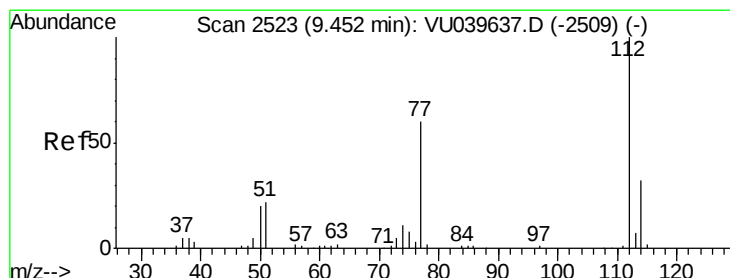
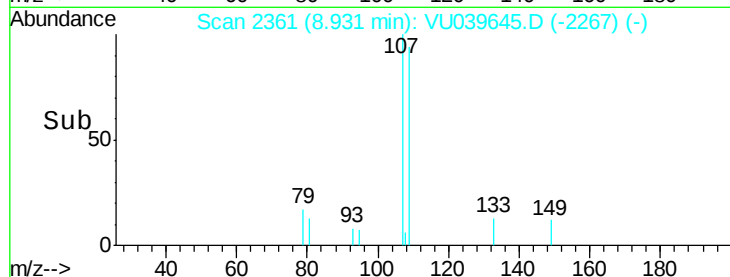
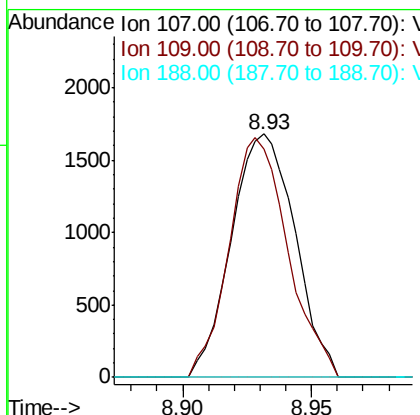
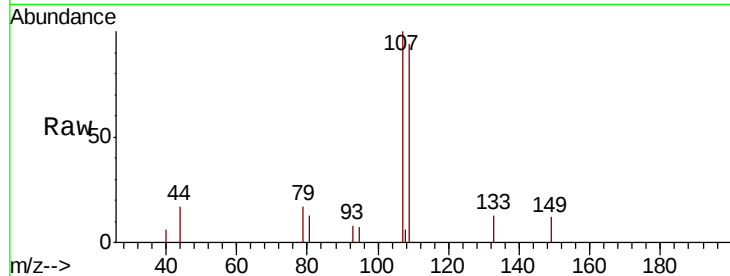




#50
 1,2-Dibromoethane
 Concen: 1.943 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

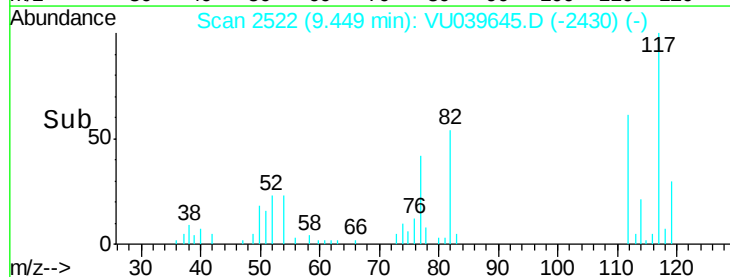
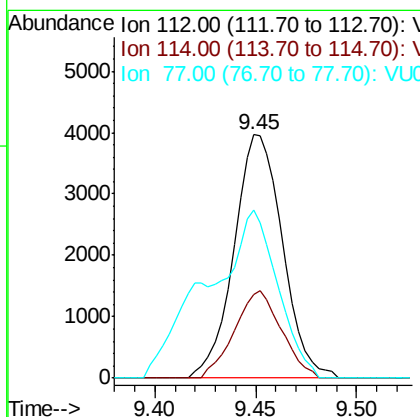
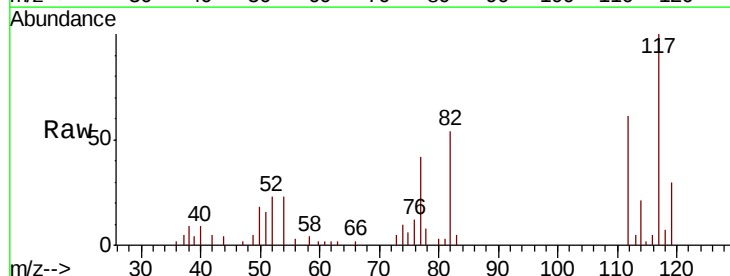
Instrument :
 MSVOA_U
 ClientSampleId :

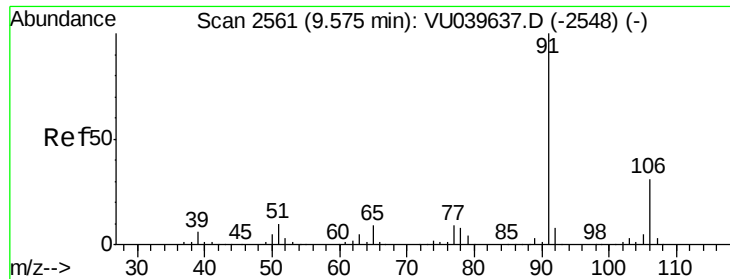
Tot Ion:107 Resp: 2891
 Ion Ratio Lower Upper
 107 100
 109 93.5 66.8 124.2
 188 0.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 1.838 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion:112 Resp: 6683
 Ion Ratio Lower Upper
 112 100
 114 34.4 22.9 42.5
 77 69.2 49.4 74.0





#52

Ethylbenzene

Concen: 1.755 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

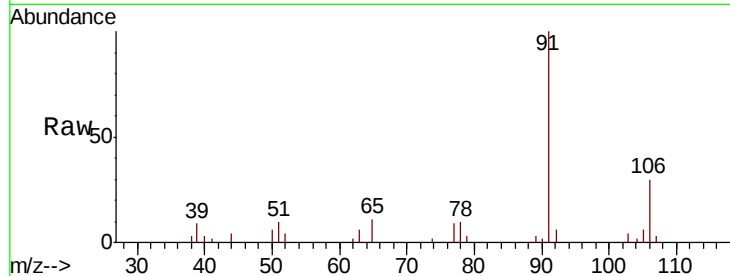
ClientSampleId :

Tot Ion: 91 Resp: 11051

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039645.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039645.D (-2548) (-)

9.57

6000

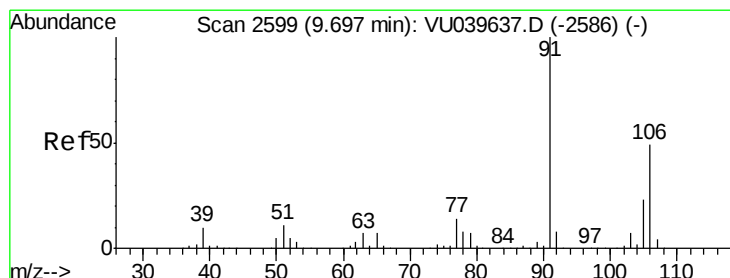
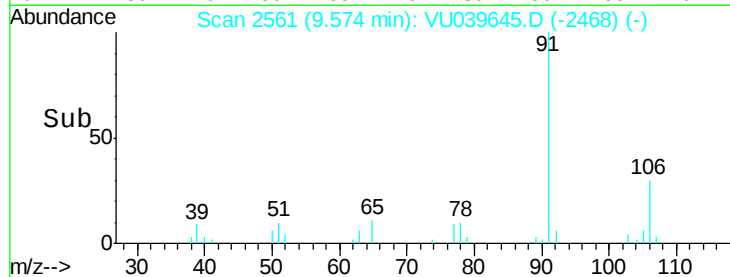
4000

2000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 1.698 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039645.D

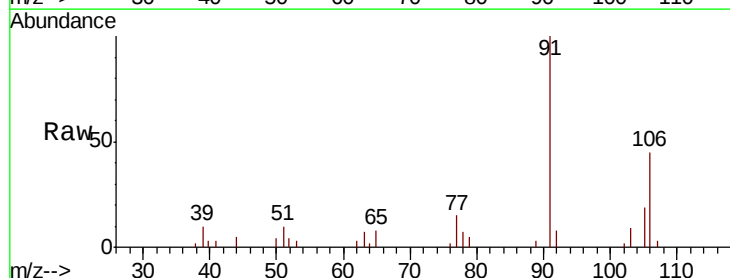
Acq: 23 Jul 2020 18:19

Tgt Ion: 106 Resp: 4031

Ion Ratio Lower Upper

106 100

91 220.0 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039645.D (-2586) (-)

Ion 91.00 (90.70 to 91.70): VU039645.D (-2586) (-)

9.70

6000

5000

4000

3000

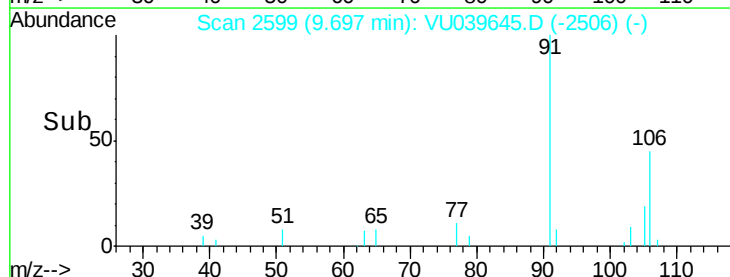
2000

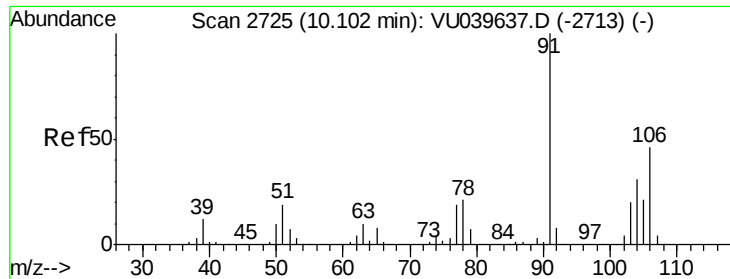
1000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 1.873 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

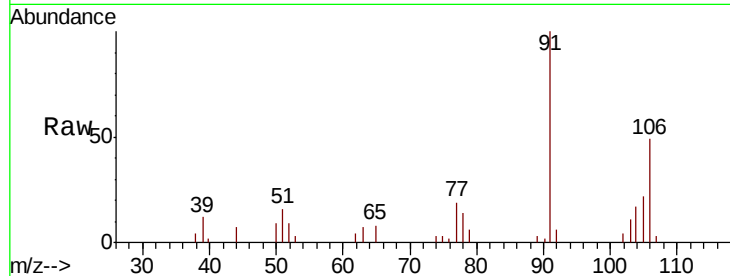
ClientSampled :

Tot Ion:106 Resp: 4266

Ion Ratio Lower Upper

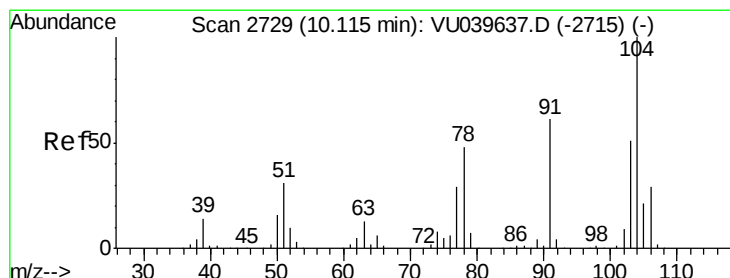
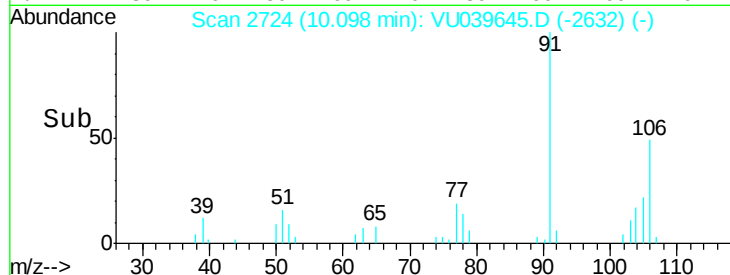
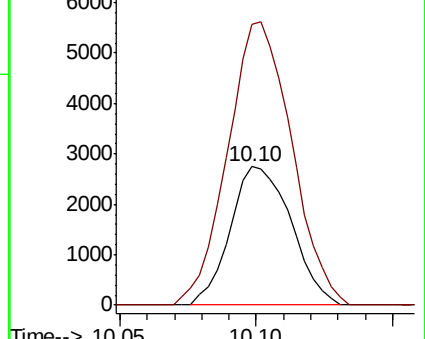
106 100

91 203.0 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.536 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039645.D

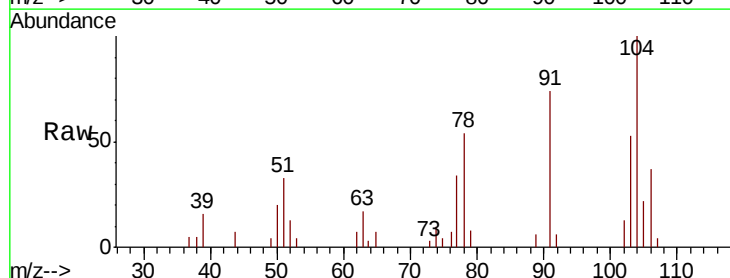
Acq: 23 Jul 2020 18:19

Tgt Ion:104 Resp: 6053

Ion Ratio Lower Upper

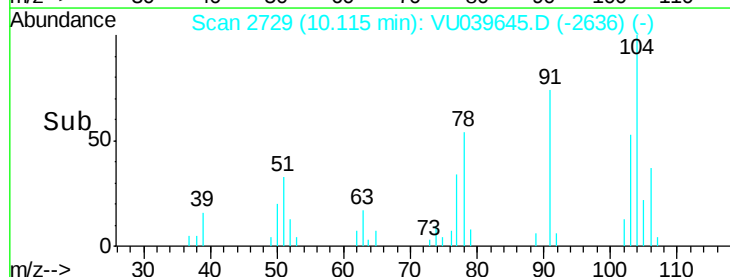
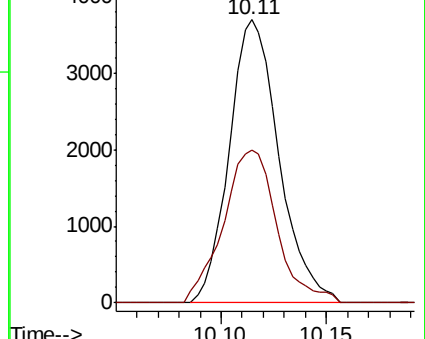
104 100

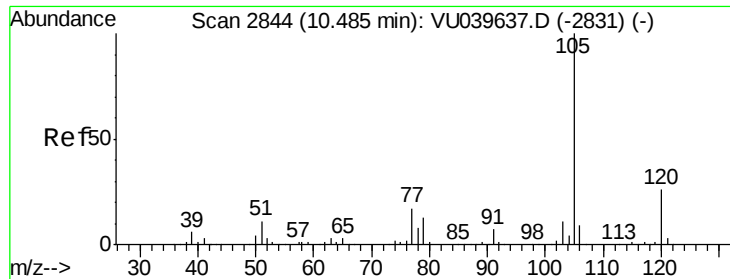
78 54.0 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.685 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

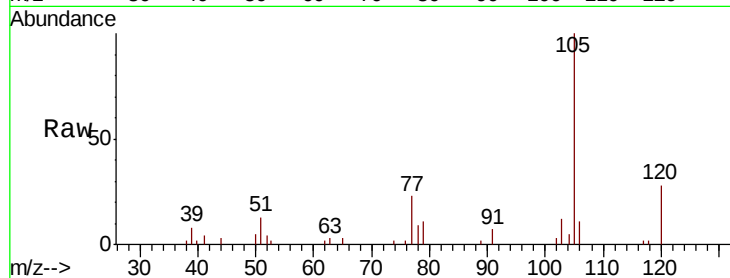
Tot Ion:105 Resp: 10420

Ion Ratio Lower Upper

105 100

120 28.7 20.6 31.0

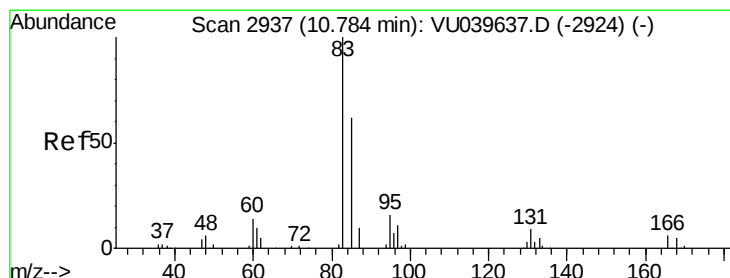
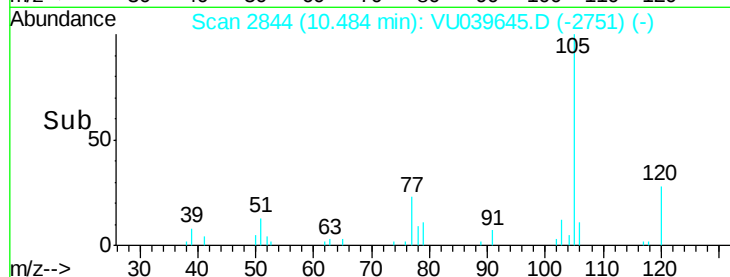
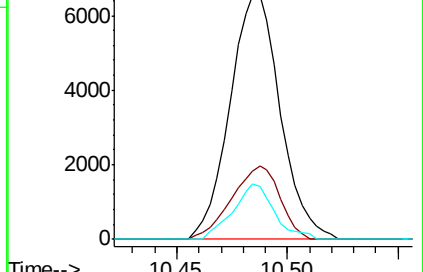
77 18.6 13.4 20.2



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: 2.205 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

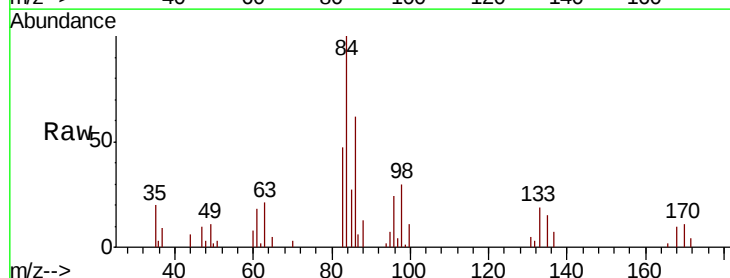
Tgt Ion: 83 Resp: 5377

Ion Ratio Lower Upper

83 100

85 57.3 46.4 86.2

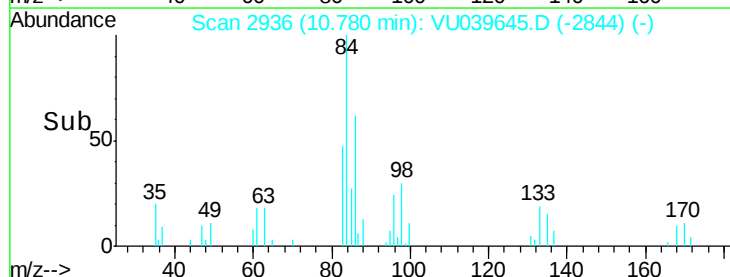
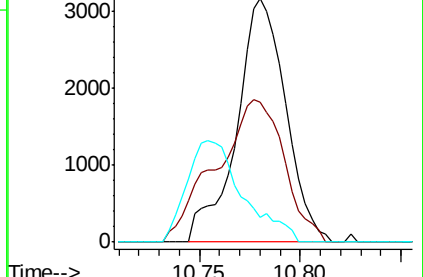
131 16.1 7.8 11.6#

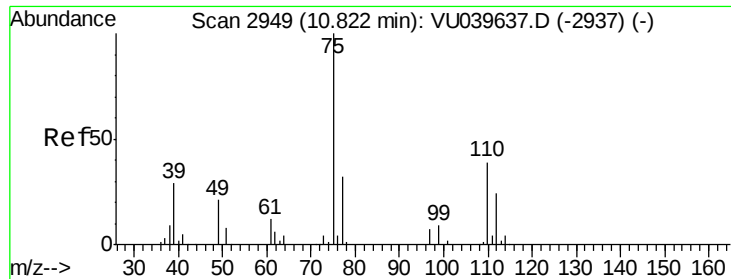


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

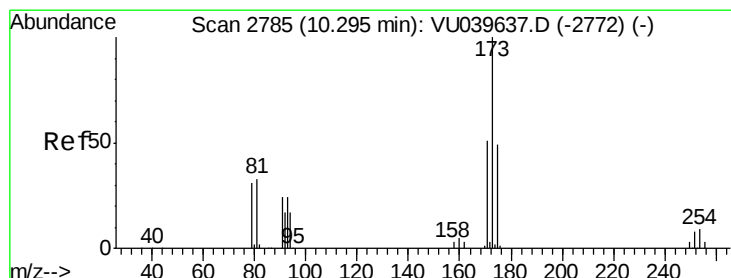
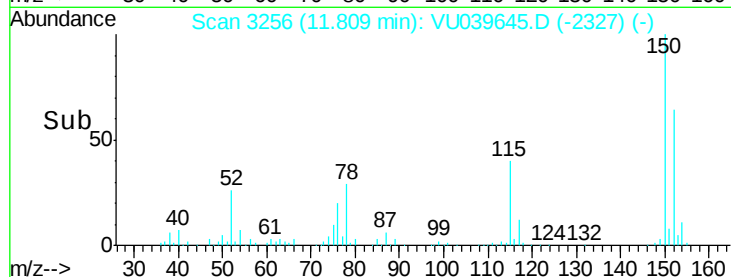
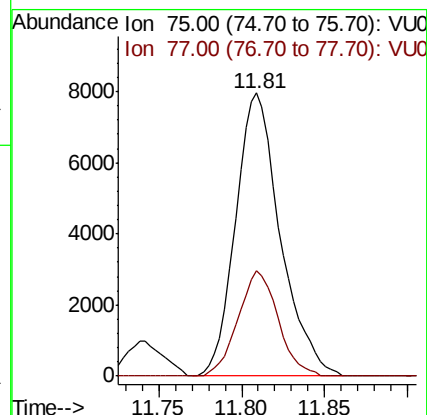
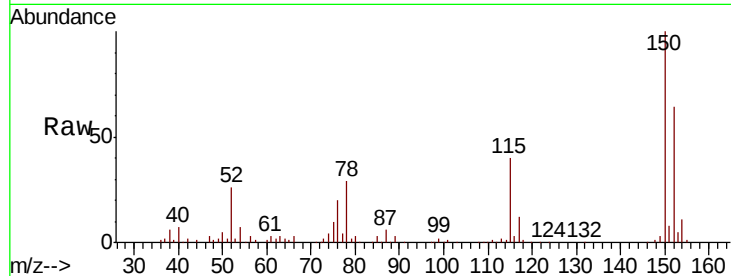




#59
 1,2,3-Trichloropropane
 Concen: 7.340 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

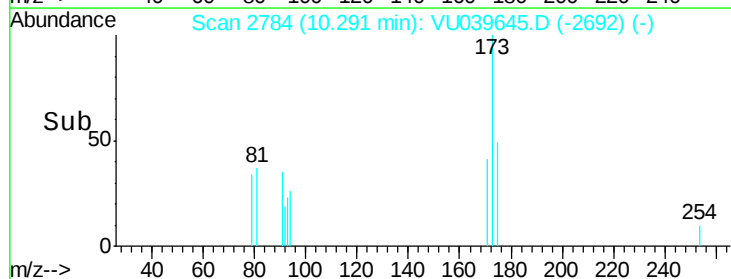
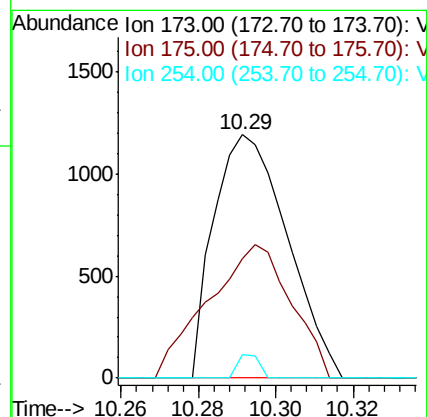
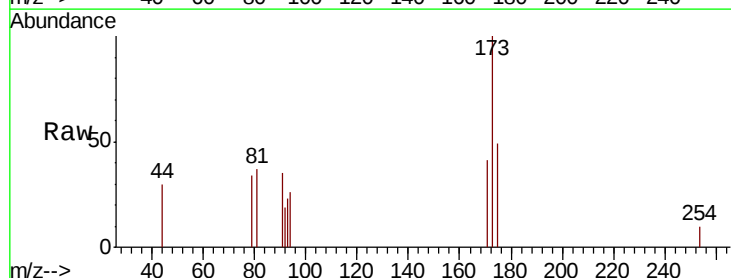
Instrument :
 MSVOA_U
 ClientSampleId :

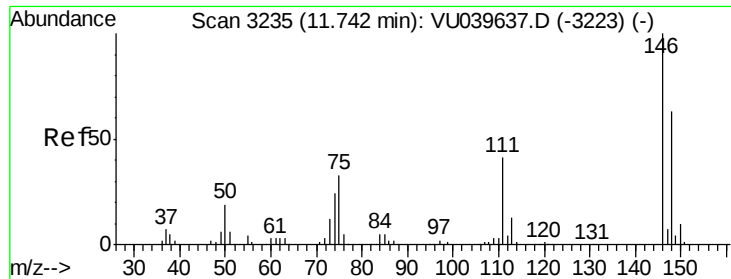
Tot Ion: 75 Resp: 14938
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2



#61
 Bromoform
 Concen: 1.517 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 173 Resp: 1573
 Ion Ratio Lower Upper
 173 100
 175 62.1 38.4 57.6#
 254 2.7 7.0 10.6#

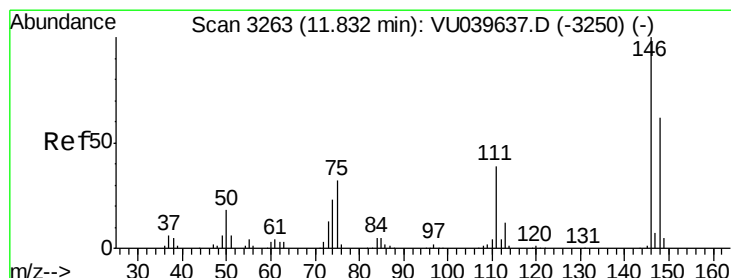
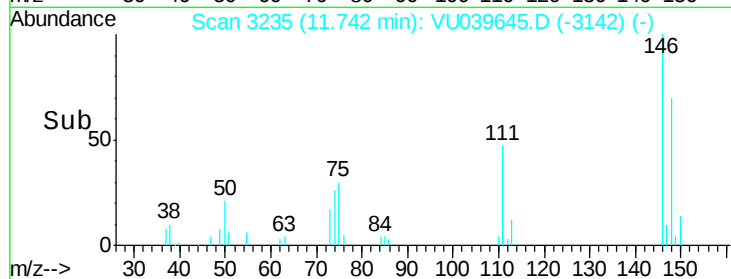
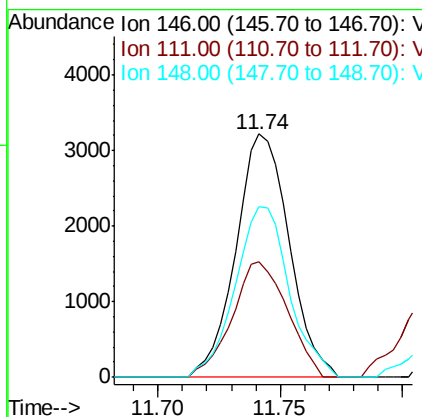
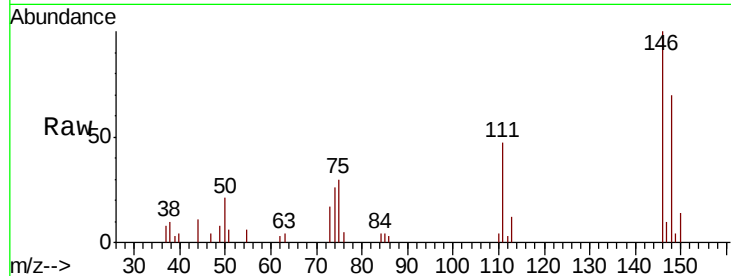




#62
 1,3-Dichlorobenzene
 Concen: 1.813 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

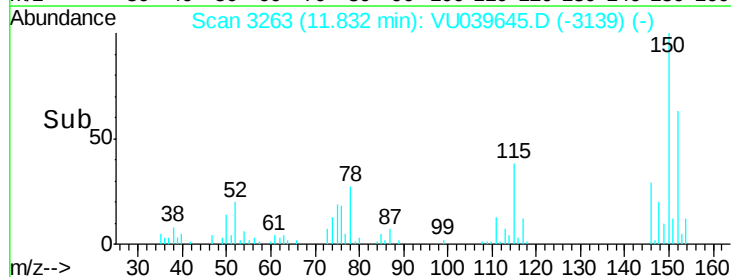
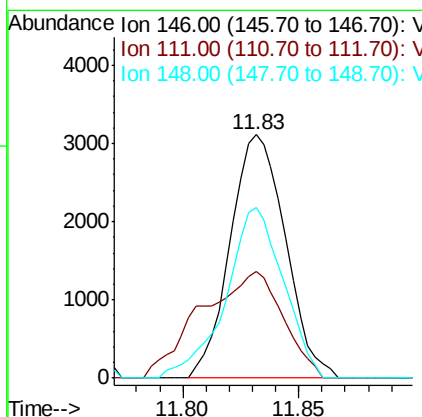
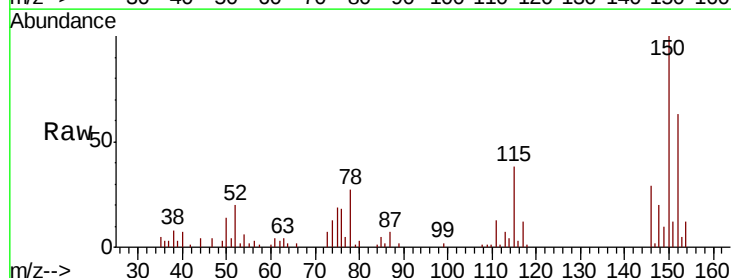
Instrument :
 MSVOA_U
 ClientSampleId :

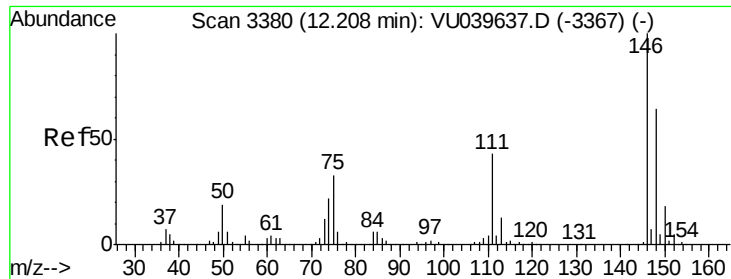
Tot Ion:146 Resp: 4867
 Ion Ratio Lower Upper
 146 100
 111 47.4 29.3 54.3
 148 70.2 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 1.914 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion:146 Resp: 5148
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.8 51.6
 148 70.2 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 2.122 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

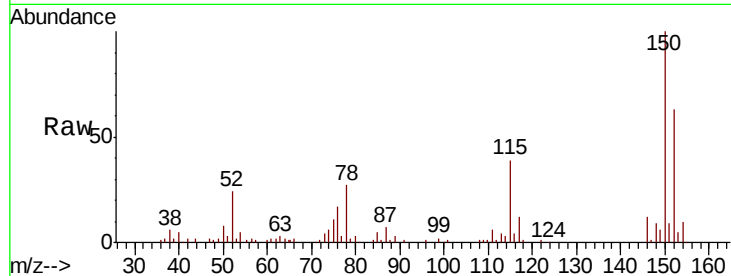
Tot Ion:146 Resp: 5756

Ion Ratio Lower Upper

146 100

111 52.9 34.8 52.2#

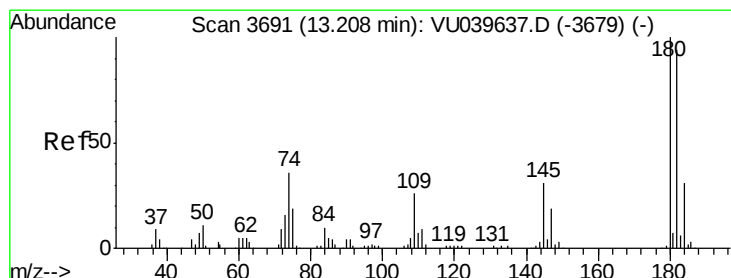
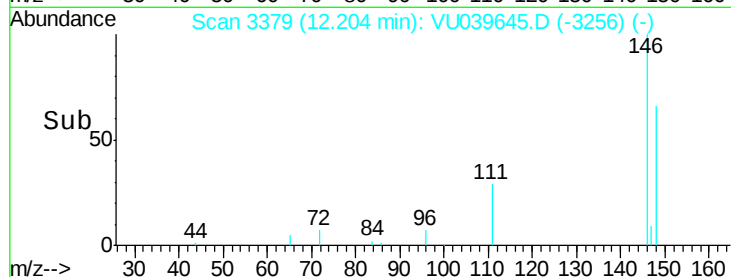
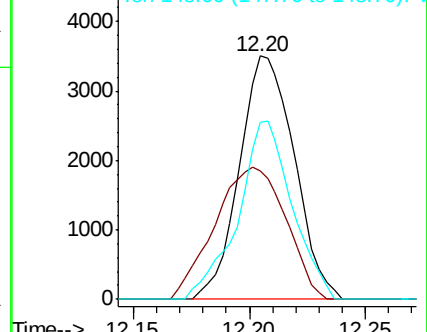
148 72.8 52.5 78.7



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



#67

1,3,5-Trichlorobenzene

Concen: 1.691 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU039645.D

Acq: 23 Jul 2020 18:19

Tgt Ion:180 Resp: 3273

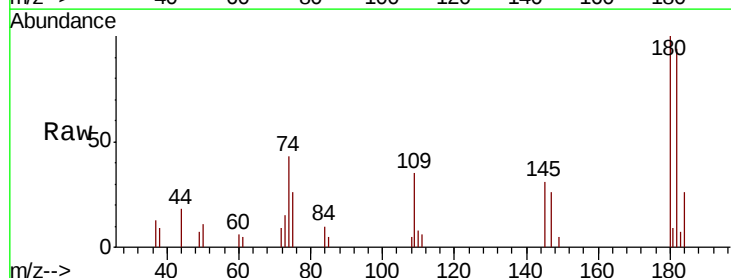
Ion Ratio Lower Upper

180 100

182 93.5 75.7 113.5

184 31.8 24.2 36.2

145 32.3 24.6 36.8

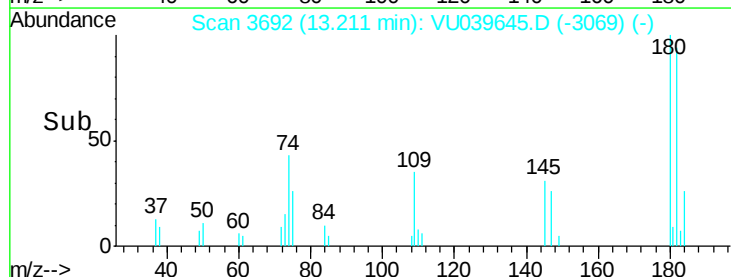
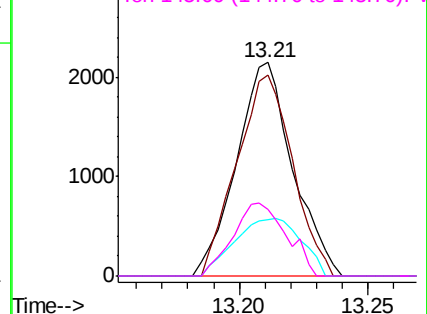


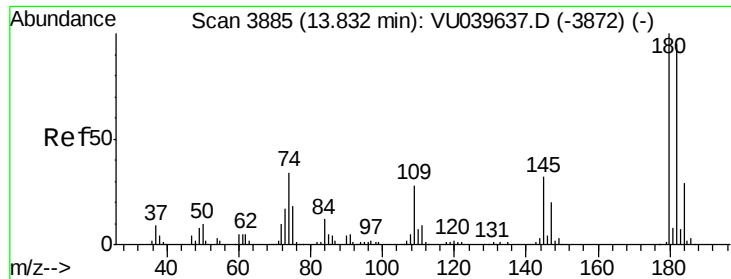
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

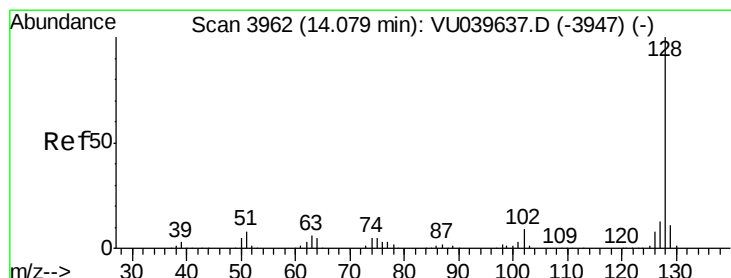
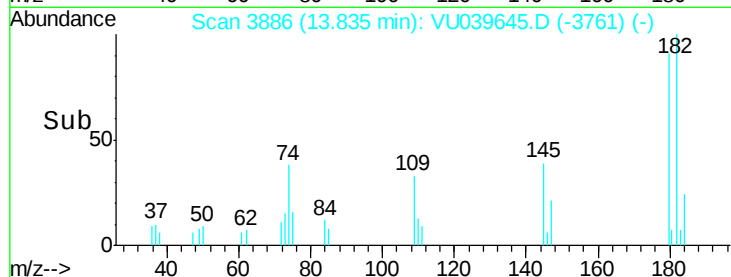
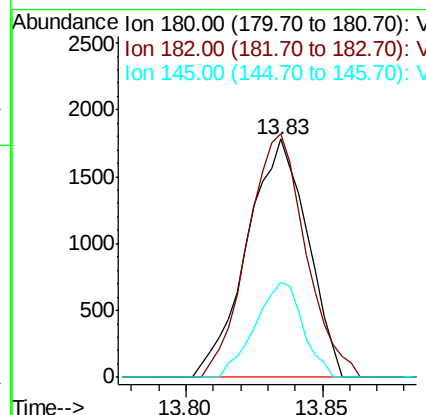
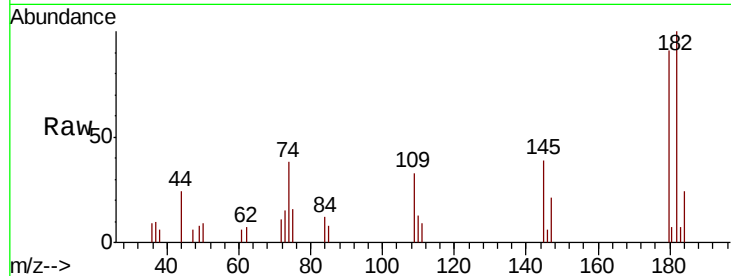




#68
 1,2,4-trichlorobenzene
 Concen: 1.669 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

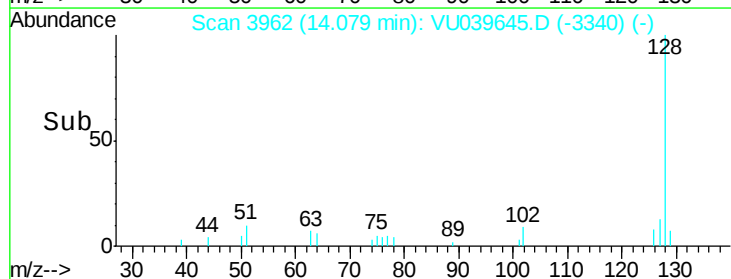
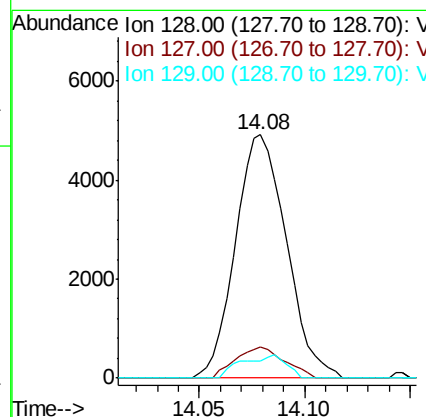
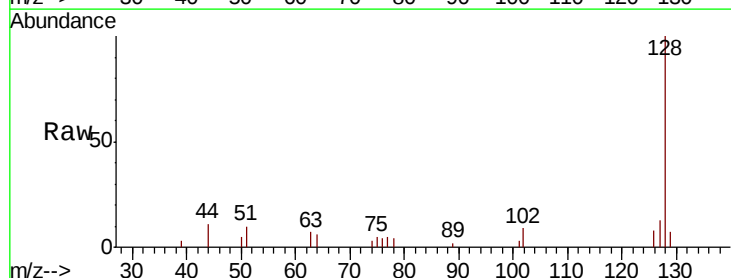
Instrument :
 MSVOA_U
 ClientSampled :

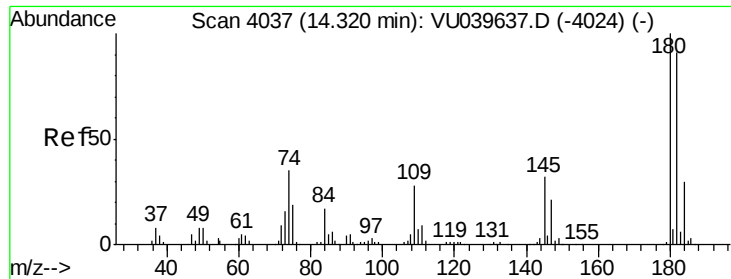
Tot Ion:180 Resp: 2742
 Ion Ratio Lower Upper
 180 100
 182 98.2 74.4 111.6
 145 31.3 24.8 37.2



#69
 Naphthalene
 Concen: 1.673 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Tgt Ion:128 Resp: 8244
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.7 16.1
 129 1.5 8.8 13.2#

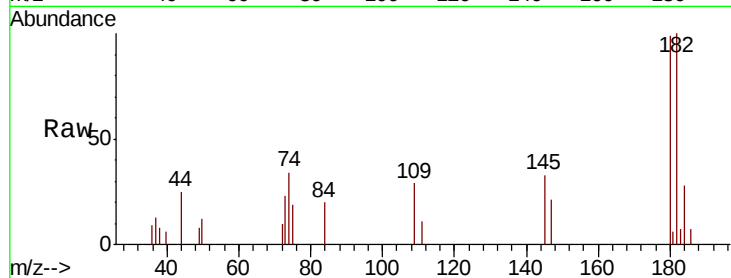




#70
 1,2,3-Trichlorobenzene
 Concen: 1.766 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU039645.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	114.8
145	34.3	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

