

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039649.D
 Acq On : 23 Jul 2020 20:09
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:07:05 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	180509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	174177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	79814	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49736	42.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.64%
7) Chloroethane-d5	1.92	69	51006	36.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.44%
11) 1,1-Dichloroethene-d2	2.58	63	84531	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	4.65	46	126290	93.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.09%
24) Chloroform-d	5.08	84	119428	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
26) 1,2-Dichloroethane-d4	5.72	65	87515	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
32) Benzene-d6	5.74	84	230642	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
36) 1,2-Dichloropropane-d6	6.71	67	76671	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.68%
41) Toluene-d8	7.91	98	209102	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%
43) trans-1,3-Dichloropropene-	8.19	79	34857	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
47) 2-Hexanone-d5	8.64	63	78514	90.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.75%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	112768	44.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	84005	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.39	85	2323	1.889 ug/L 94
3) Chloromethane	1.53	50	2498	1.955 ug/L 98
5) Vinyl chloride	1.61	62	2701	2.081 ug/L # 70
6) Bromomethane	1.86	94	2456	2.518 ug/L 91
9) Trichlorofluoromethane	2.15	101	4124	1.798 ug/L 94
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2701	2.446 ug/L # 79
12) 1,1-Dichloroethene	2.59	96	2760	2.680 ug/L # 1
13) Acetone	2.65	43	3144	3.482 ug/L 97
14) Carbon disulfide	2.81	76	6017	1.826 ug/L 98
15) Methyl Acetate	2.96	43	2946	1.821 ug/L 96
16) Methylene chloride	3.06	84	2624	2.128 ug/L 85
17) trans-1,2-Dichloroethene	3.38	96	1913	1.670 ug/L 96
18) Methyl tert-butyl Ether	3.38	73	6843	1.848 ug/L # 87
19) 1,1-Dichloroethane	3.89	63	2398	1.072 ug/L 97
20) cis-1,2-Dichloroethene	4.69	96	2408	1.839 ug/L 98
22) 2-Butanone	4.73	43	5372	4.222 ug/L 92
23) Bromochloromethane	5.00	128	1135	1.725 ug/L 87

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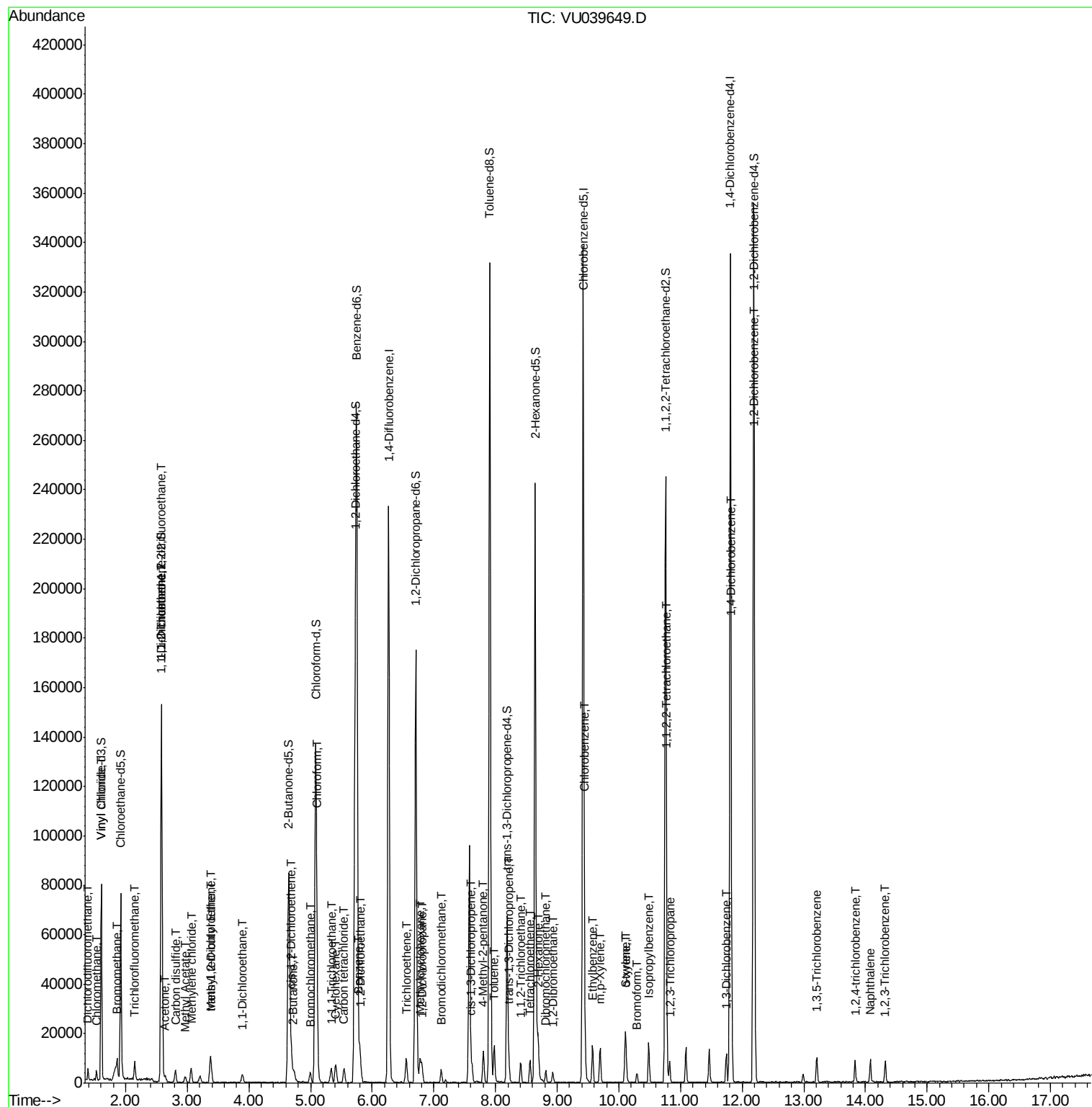
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	9697	3.910	ug/L	100
27) 1,2-Dichloroethane	5.81	62	4461	2.169	ug/L #	91
29) Cyclohexane	5.41	56	3513	1.856	ug/L #	91
30) 1,1,1-Trichloroethane	5.34	97	3850	1.846	ug/L #	82
31) Carbon tetrachloride	5.54	117	3093	1.788	ug/L	87
33) Benzene	5.79	78	9697	2.020	ug/L	100
34) Trichloroethene	6.56	95	2530	1.993	ug/L	86
35) Methylcyclohexane	6.78	83	3501	1.783	ug/L #	85
37) 1,2-Dichloropropane	6.80	63	2517	1.937	ug/L #	89
38) Bromodichloromethane	7.12	83	3253	1.885	ug/L #	96
39) cis-1,3-Dichloropropene	7.62	75	3036	1.563	ug/L #	79
40) 4-Methyl-2-pentanone	7.80	43	8387	3.704	ug/L	97
42) Toluene	7.98	91	9722	1.842	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	3378	1.776	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2299	1.855	ug/L	87
46) Tetrachloroethene	8.56	164	1751	1.823	ug/L	95
48) 2-Hexanone	8.69	43	10177	5.516	ug/L	98
49) Dibromochloromethane	8.82	129	2462	1.759	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2746	1.991	ug/L #	88
51) Chlorobenzene	9.45	112	6855	2.035	ug/L	90
52) Ethylbenzene	9.57	91	10433	1.788	ug/L	95
53) m,p-Xylene	9.70	106	4021	1.829	ug/L	84
54) o-xylene	10.10	106	3725	1.765	ug/L	96
55) Styrene	10.11	104	5951	1.630	ug/L	91
56) Isopropylbenzene	10.48	105	9906	1.729	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	4515	1.999	ug/L #	89
59) 1,2,3-Trichloropropane	10.83	75	3356	1.780	ug/L	100
61) Bromoform	10.30	173	1355	1.435	ug/L #	83
62) 1,3-Dichlorobenzene	11.74	146	4818	1.971	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	4769	1.947	ug/L #	85
65) 1,2-Dichlorobenzene	12.21	146	5160	2.089	ug/L #	94
67) 1,3,5-Trichlorobenzene	13.21	180	2909	1.650	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	2846	1.902	ug/L	97
69) Naphthalene	14.08	128	7325	1.632	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	2702	1.788	ug/L #	94

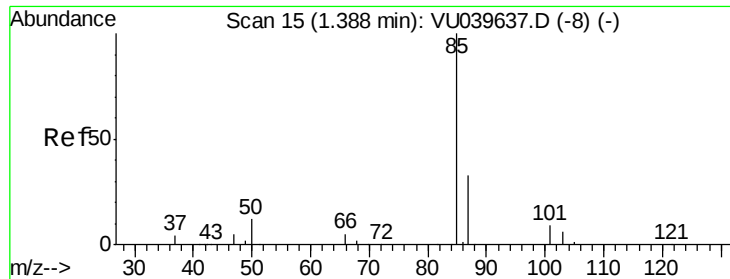
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.889 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

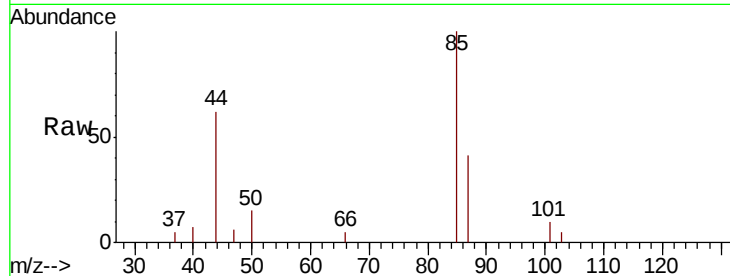
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2323

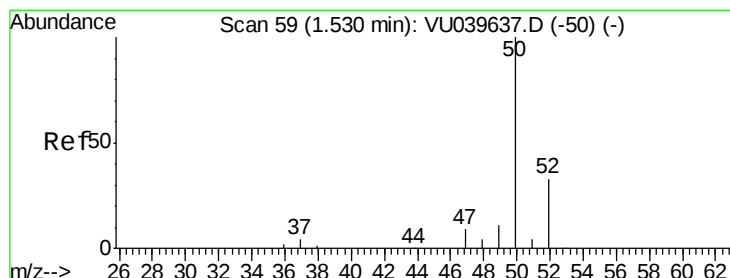
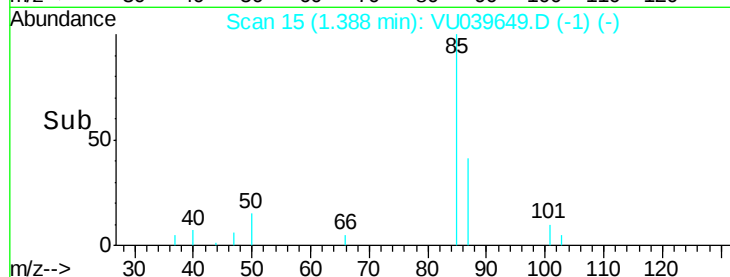
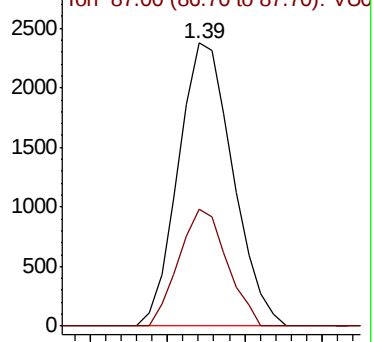
Ion Ratio Lower Upper

85 100

87 36.3 26.2 39.4



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



#3

Chloromethane

Concen: 1.955 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039649.D

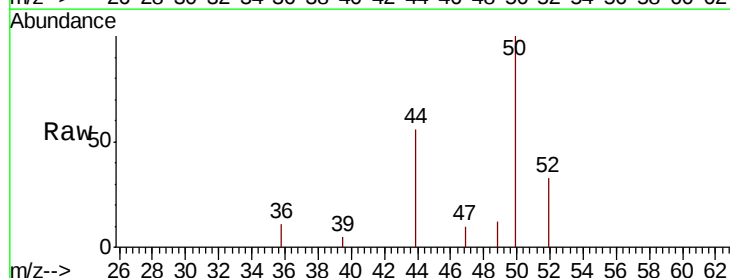
Acq: 23 Jul 2020 20:09

Tgt Ion: 50 Resp: 2498

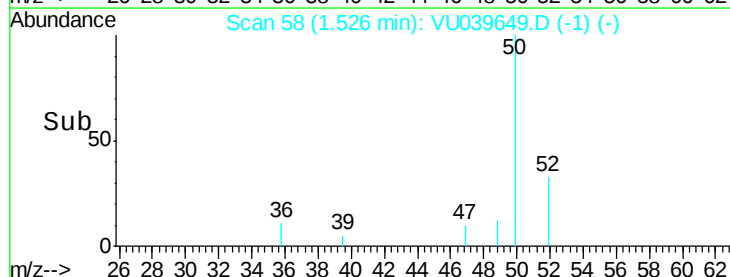
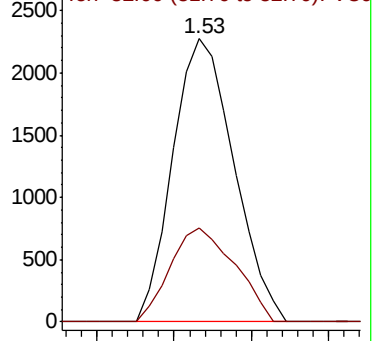
Ion Ratio Lower Upper

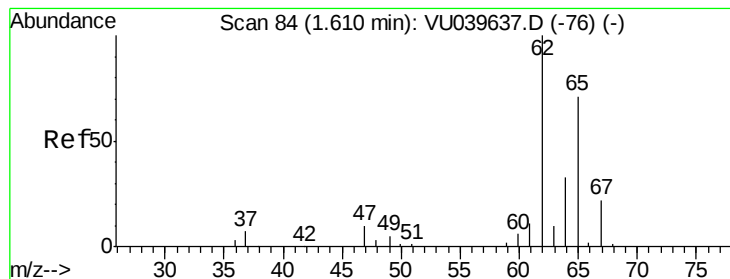
50 100

52 33.0 24.0 44.6



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





#5

Vinyl chloride

Concen: 2.081 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

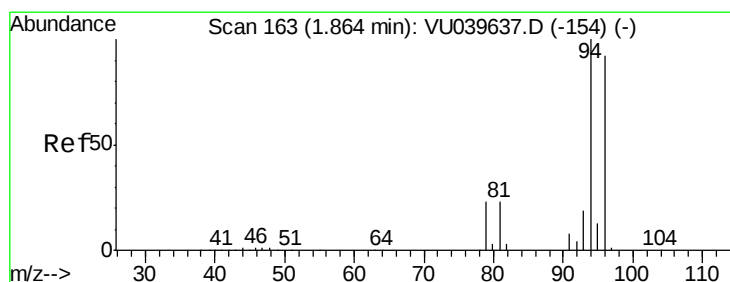
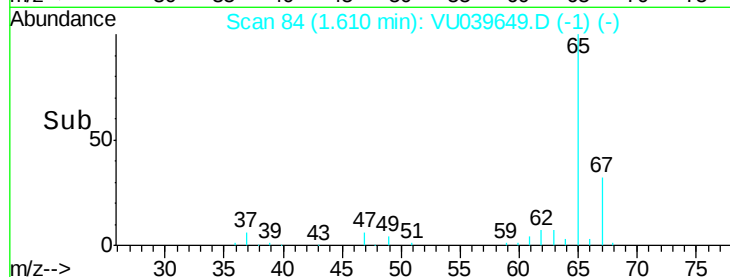
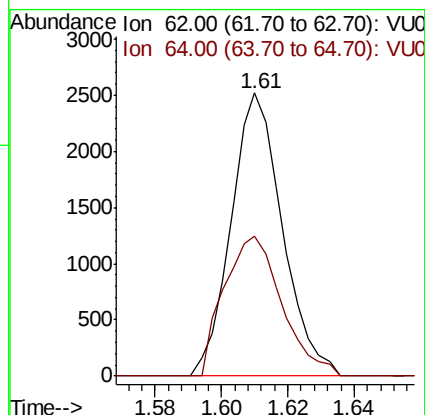
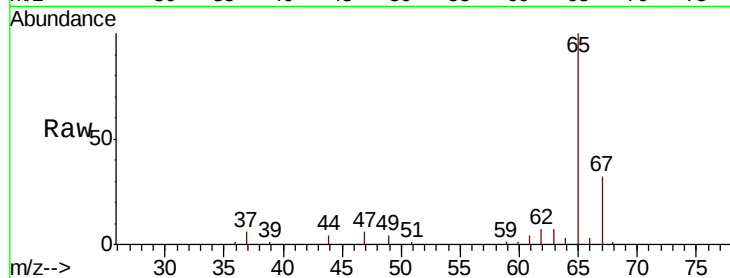
ClientSampled :

Tot Ion: 62 Resp: 2701

Ion Ratio Lower Upper

62 100

64 49.5 22.8 42.4#



#6

Bromomethane

Concen: 2.518 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039649.D

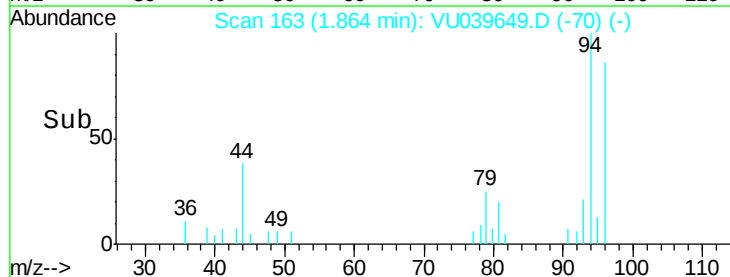
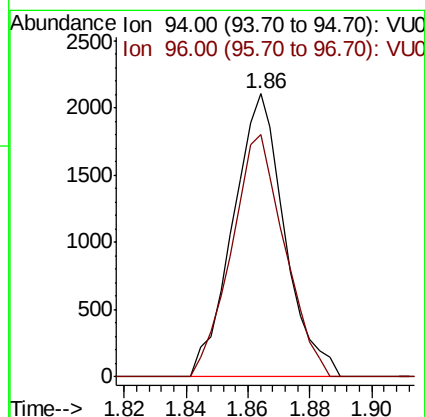
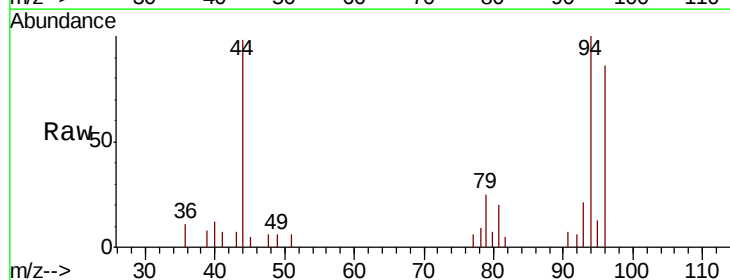
Acq: 23 Jul 2020 20:09

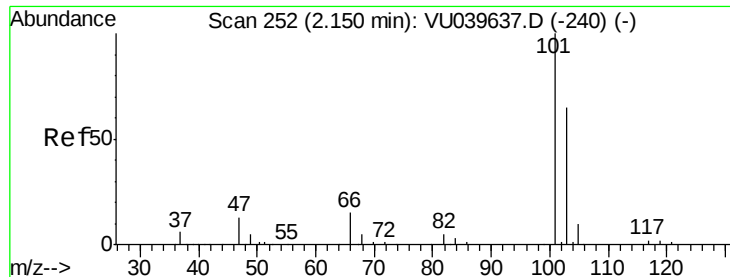
Tgt Ion: 94 Resp: 2456

Ion Ratio Lower Upper

94 100

96 85.6 65.7 122.1





#9

Trichlorofluoromethane

Concen: 1.798 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

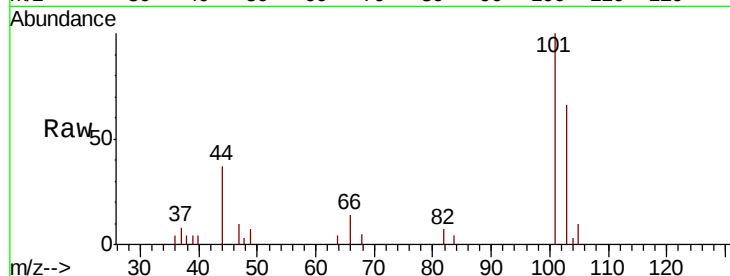
ClientSampleId :

Tot Ion:101 Resp: 4124

Ion Ratio Lower Upper

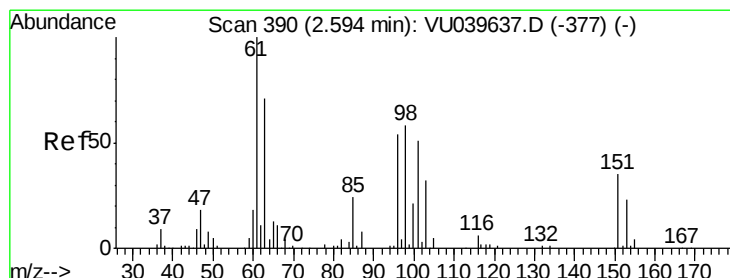
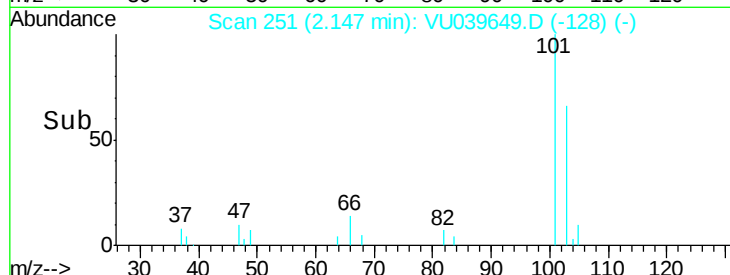
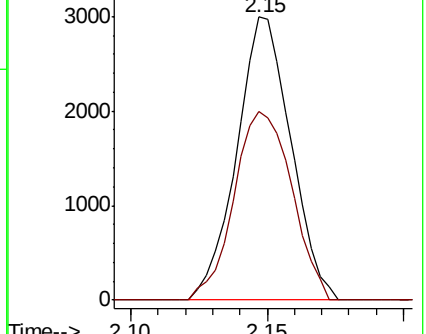
101 100

103 71.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 2.446 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

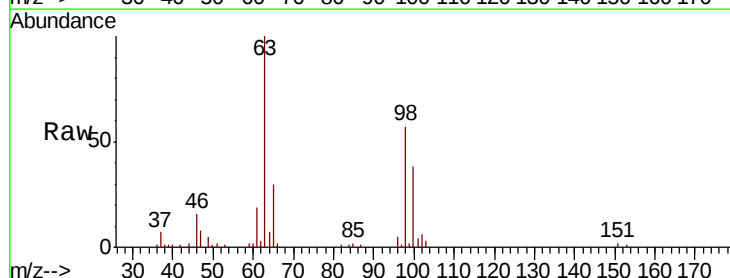
Tgt Ion:101 Resp: 2701

Ion Ratio Lower Upper

101 100

85 36.9 39.7 59.5#

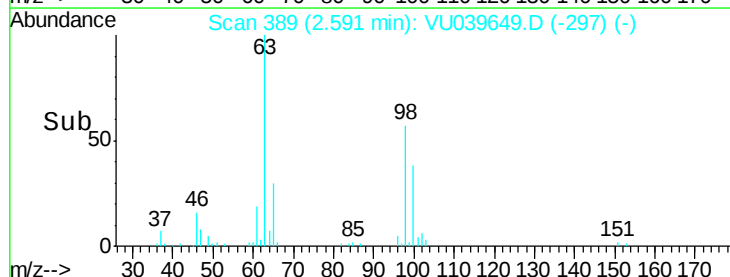
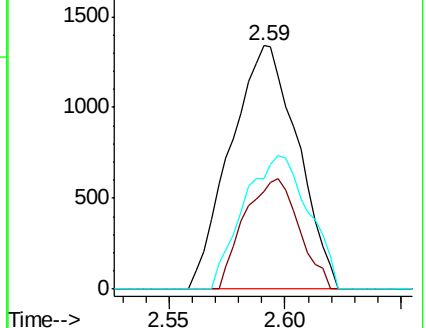
151 53.1 57.4 86.2#

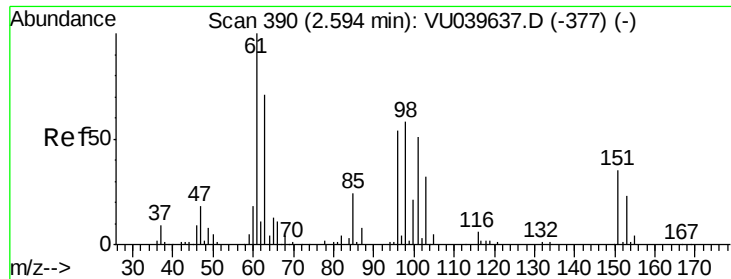


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 2.680 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampled :

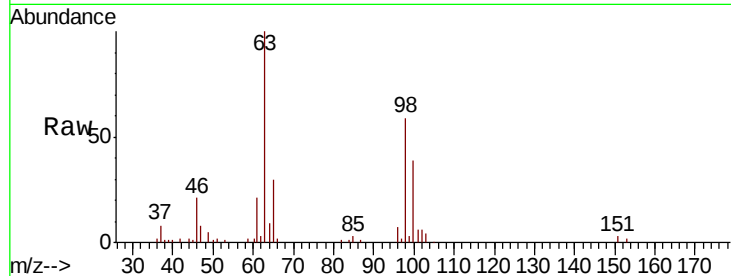
Tot Ion: 96 Resp: 2760

Ion Ratio Lower Upper

96 100

61 294.7 136.6 253.6#

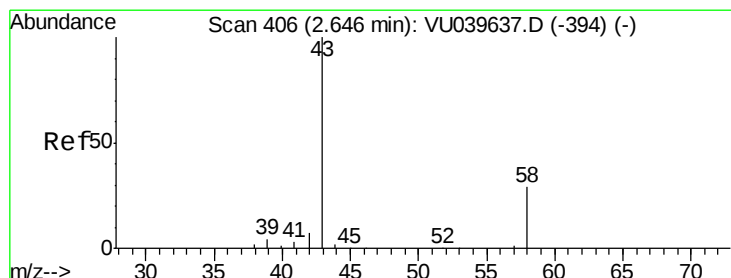
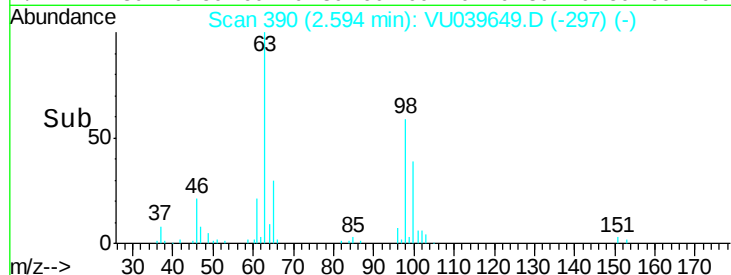
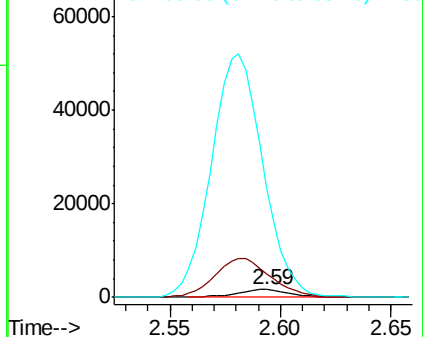
63 1412.2 97.2 180.6#



Abundance Ion 96.00 (95.70 to 96.70): VU039649.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VU039649.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039649.D (-297) (-)



#13

Acetone

Concen: 3.482 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU039649.D

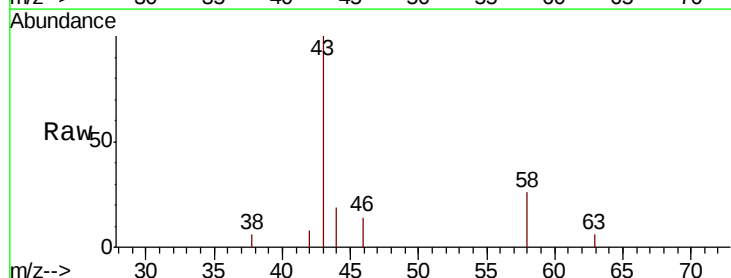
Acq: 23 Jul 2020 20:09

Tgt Ion: 43 Resp: 3144

Ion Ratio Lower Upper

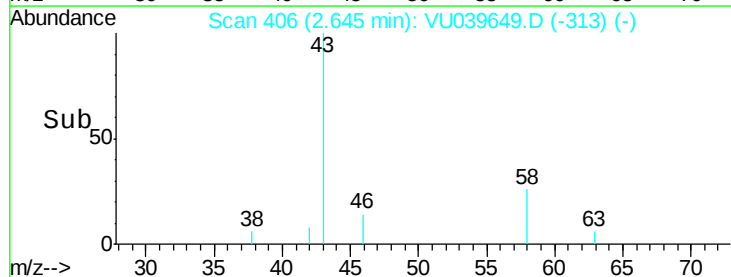
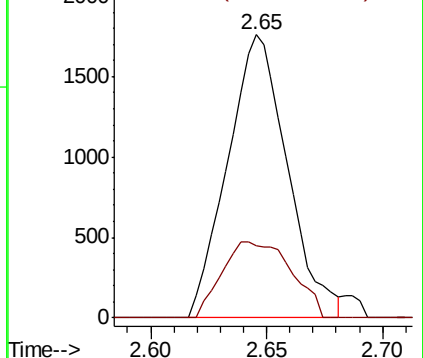
43 100

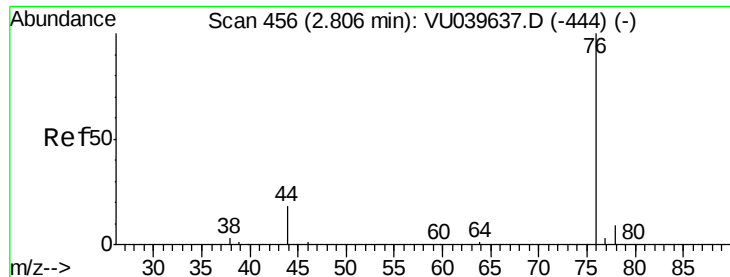
58 31.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039649.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VU039649.D (-313) (-)

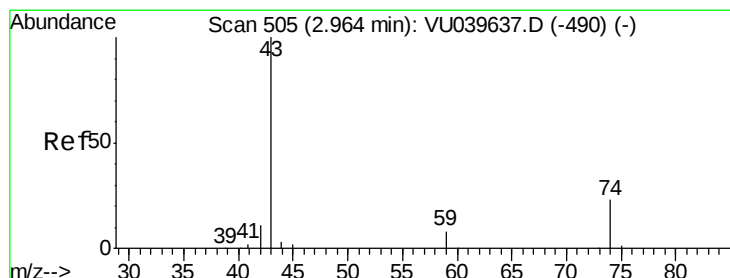
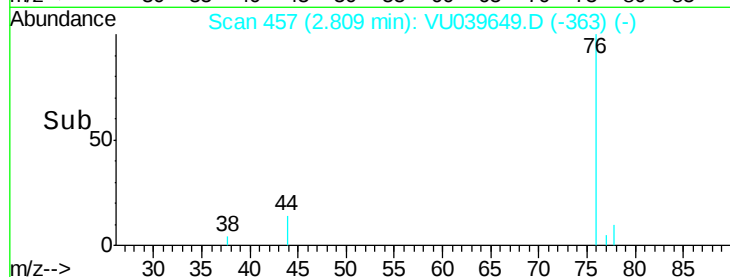
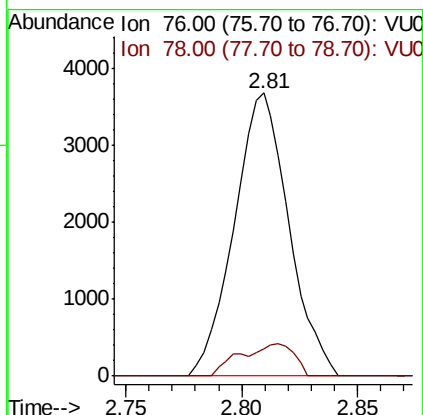
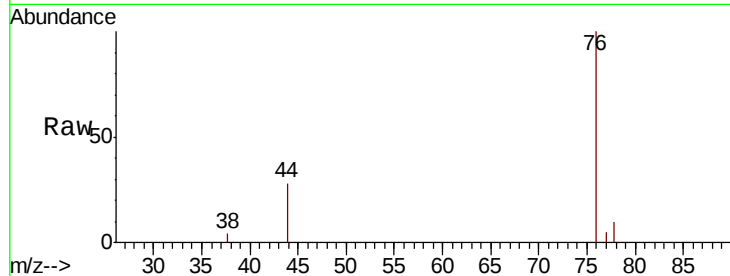




#14
Carbon disulfide
Concen: 1.826 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

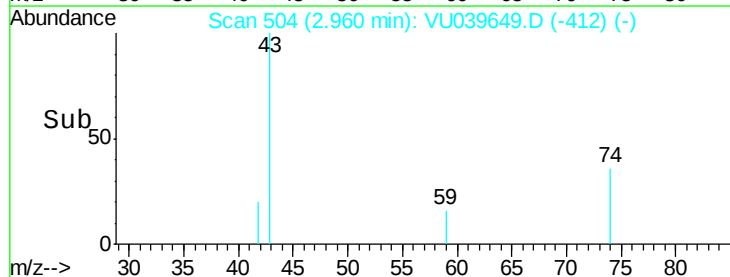
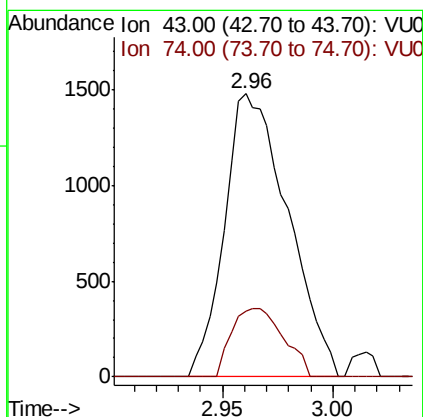
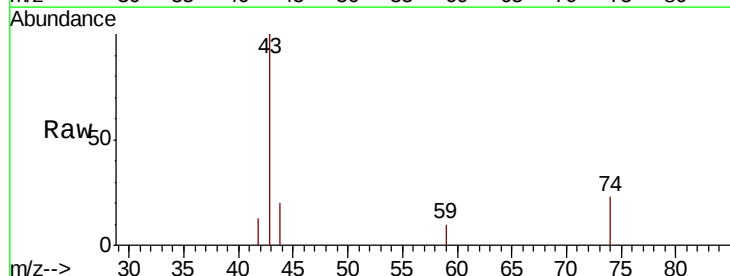
Instrument :
MSVOA_U
ClientSampleId :

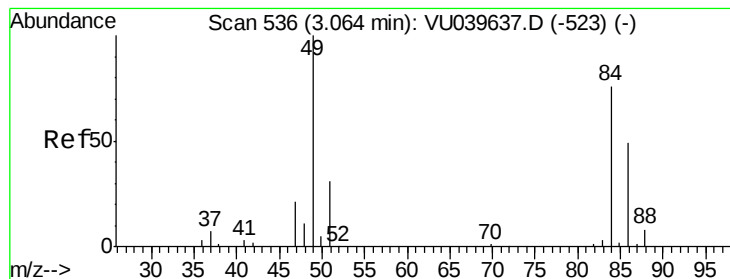
Tot Ion: 76 Resp: 6017
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9



#15
Methyl Acetate
Concen: 1.821 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 43 Resp: 2946
Ion Ratio Lower Upper
43 100
74 19.7 17.4 26.0





#16

Methvlene chloride

Concen: 2.128 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

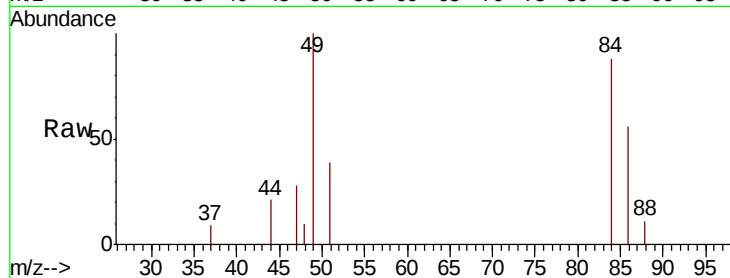
Tot Ion: 84 Resp: 2624

Ion Ratio Lower Upper

84 100

86 64.2 46.2 85.8

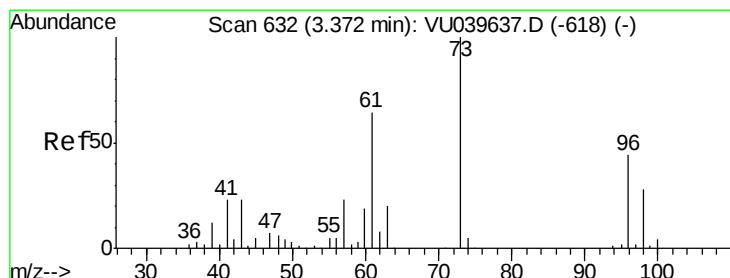
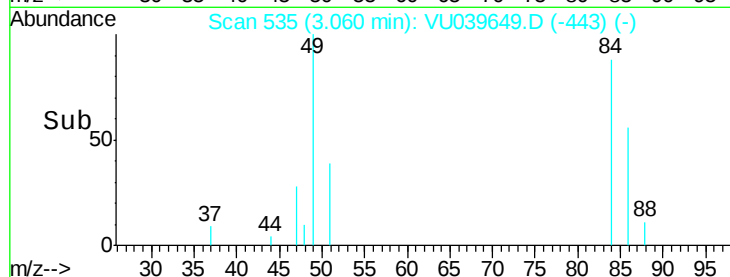
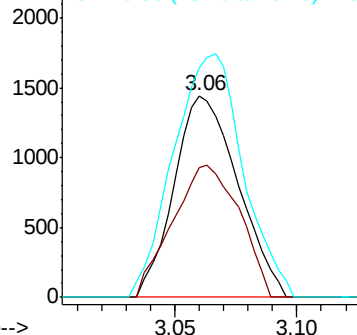
49 113.6 97.3 180.7



Abundance Ion 84.00 (83.70 to 84.70): VU039649.D (-535) (-)

Ion 86.00 (85.70 to 86.70): VU039649.D (-535) (-)

Ion 49.00 (48.70 to 49.70): VU039649.D (-535) (-)



#17

trans-1,2-Dichloroethene

Concen: 1.670 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

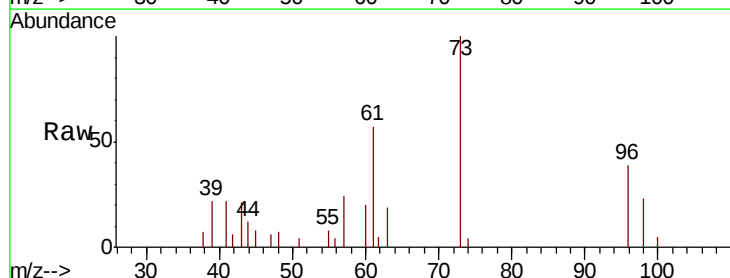
Tgt Ion: 96 Resp: 1913

Ion Ratio Lower Upper

96 100

61 156.9 106.7 198.1

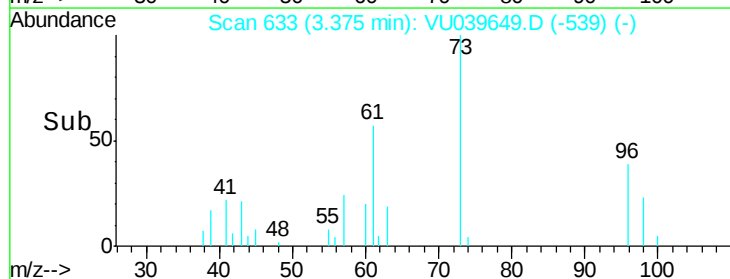
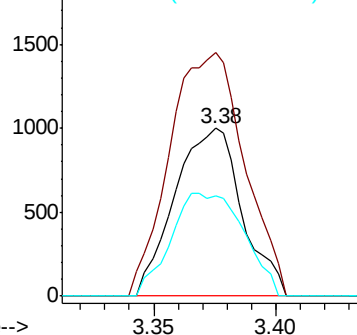
98 59.8 44.3 82.3

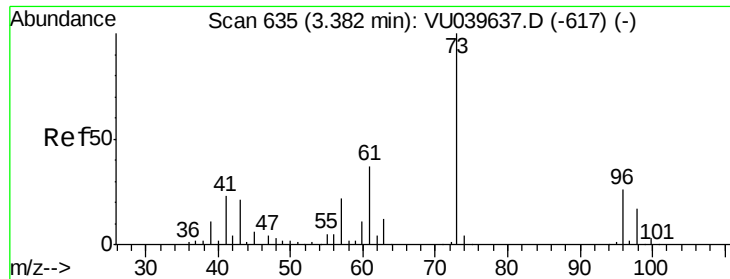


Abundance Ion 96.00 (95.70 to 96.70): VU039649.D (-539) (-)

Ion 61.00 (60.70 to 61.70): VU039649.D (-539) (-)

Ion 98.00 (97.70 to 98.70): VU039649.D (-539) (-)

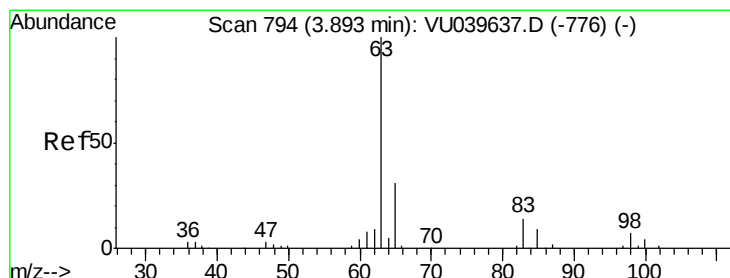
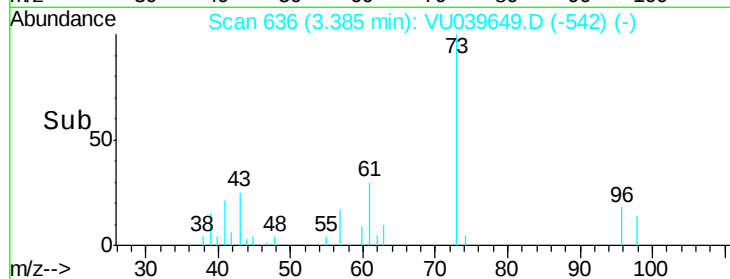
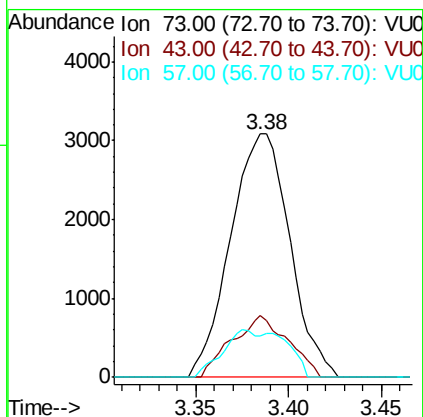
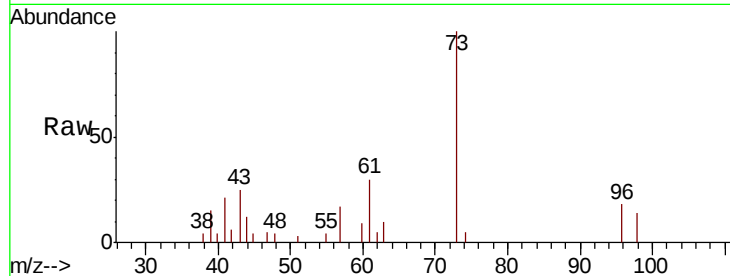




#18
Methvl tert-butvl Ether
Concen: 1.848 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

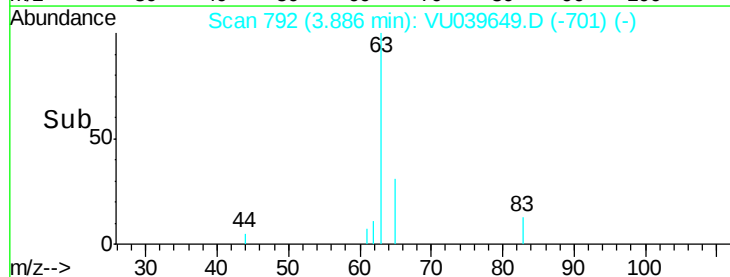
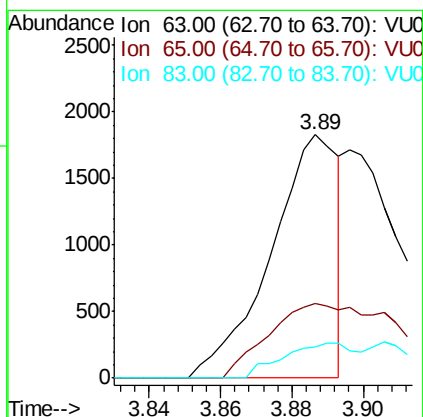
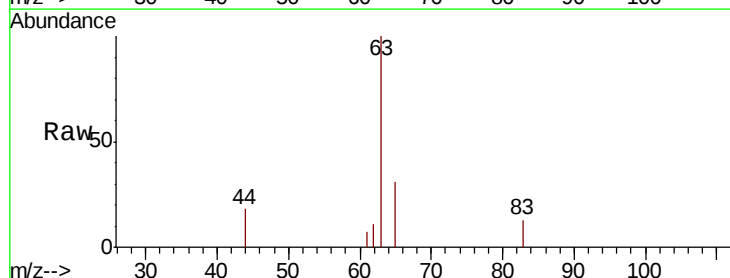
Instrument :
MSVOA_U
ClientSampleId :

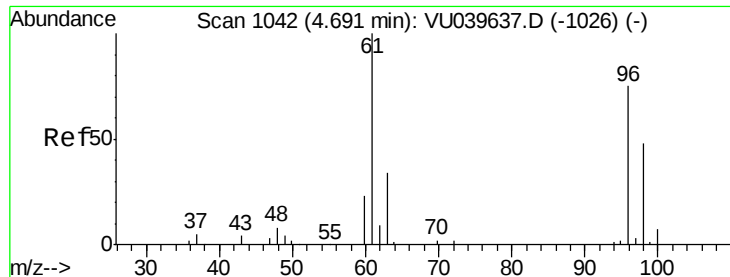
Tot Ion: 73 Resp: 6843
Ion Ratio Lower Upper
73 100
43 23.9 18.2 27.2
57 10.6 17.4 26.2#



#19
1,1-Dichloroethane
Concen: 1.072 ug/L
RT: 3.89 min Scan# 792
Delta R.T. -0.01 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 63 Resp: 2398
Ion Ratio Lower Upper
63 100
65 30.8 20.4 38.0
83 12.6 9.7 18.1

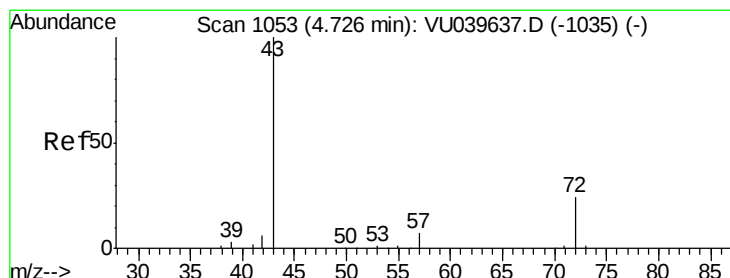
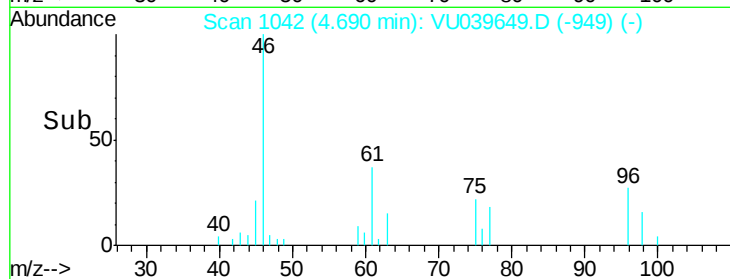
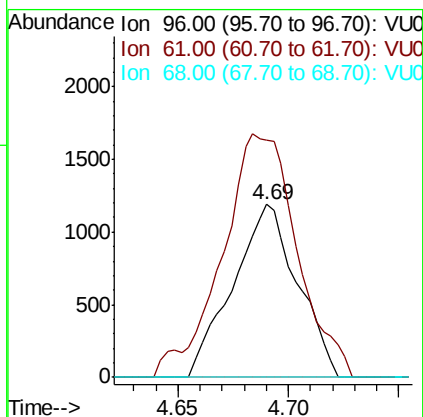
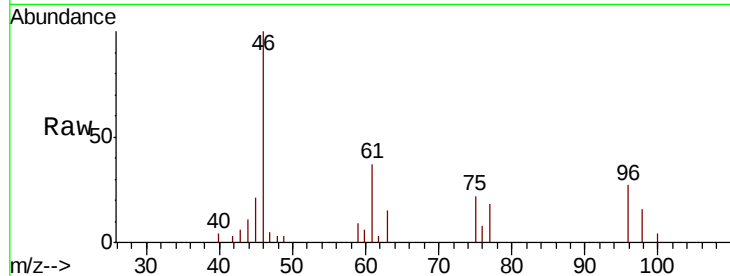




#20
 cis-1,2-Dichloroethene
 Concen: 1.839 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

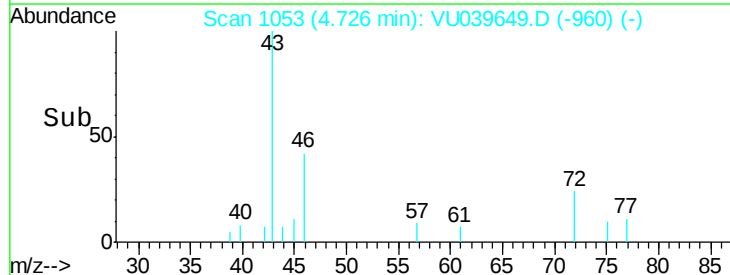
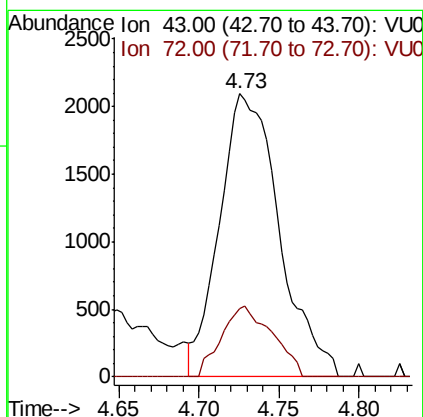
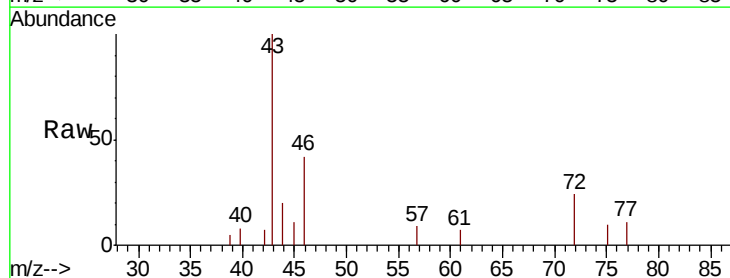
Instrument :
 MSVOA_U
 ClientSampled :

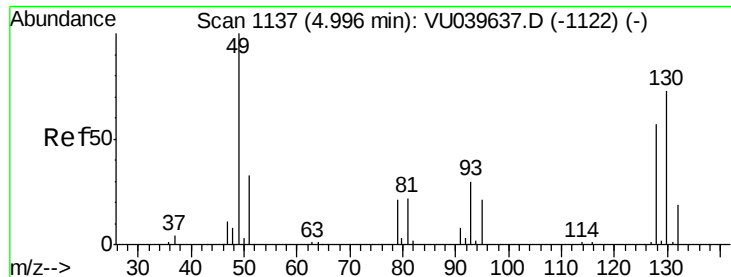
Tot Ion: 96 Resp: 2408
 Ion Ratio Lower Upper
 96 100
 61 137.1 94.0 174.6
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 4.222 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 43 Resp: 5372
 Ion Ratio Lower Upper
 43 100
 72 21.3 12.8 38.3





#23

Bromochloromethane

Concen: 1.725 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 1135

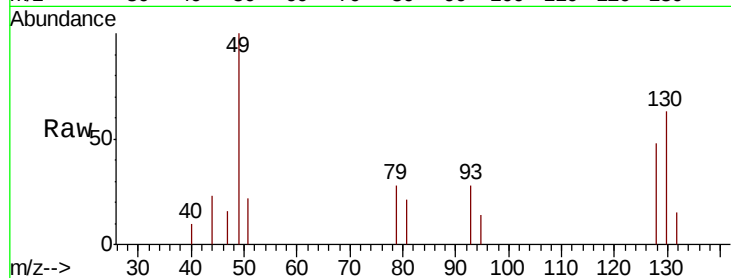
Ion Ratio Lower Upper

128 100

49 207.3 124.5 231.3

130 130.4 94.4 175.2

51 44.8 43.5 65.3

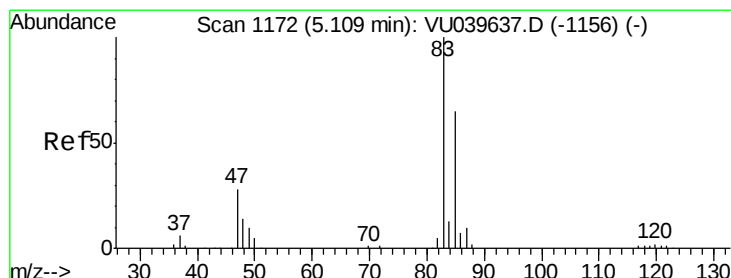
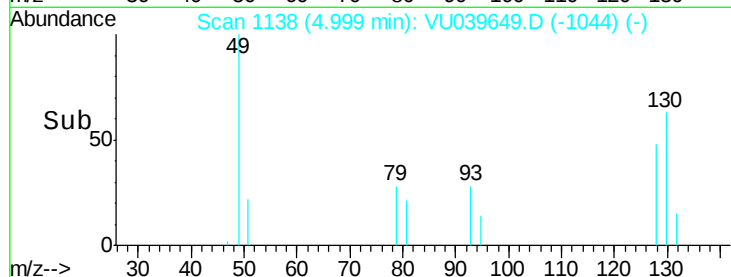
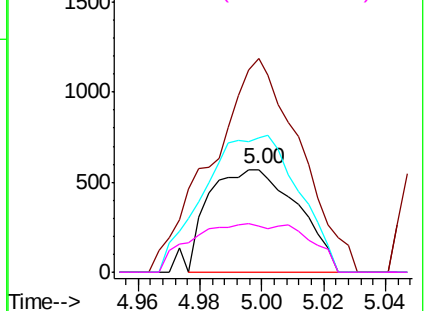


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 3.910 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039649.D

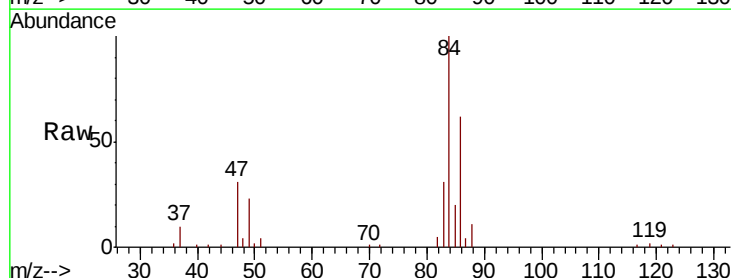
Acq: 23 Jul 2020 20:09

Tgt Ion: 83 Resp: 9697

Ion Ratio Lower Upper

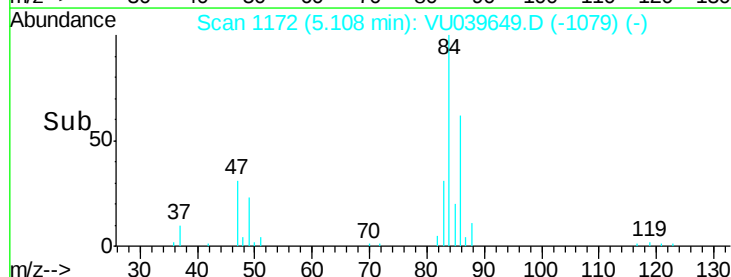
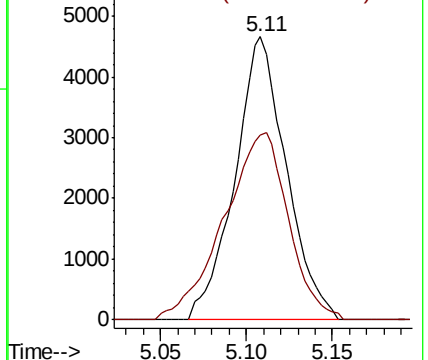
83 100

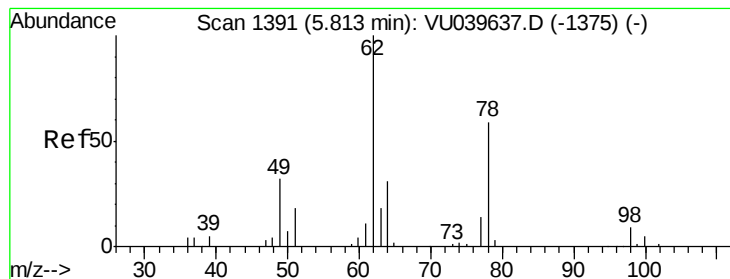
85 65.4 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 2.169 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

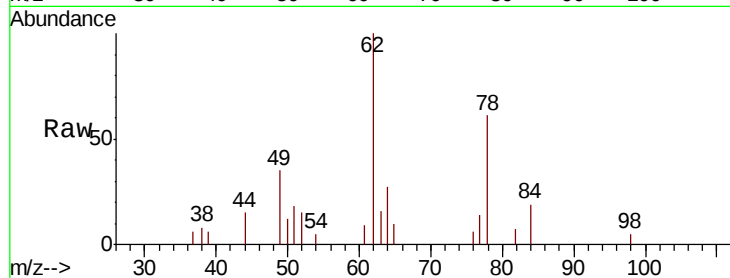
ClientSampleId :

Tot Ion: 62 Resp: 4461

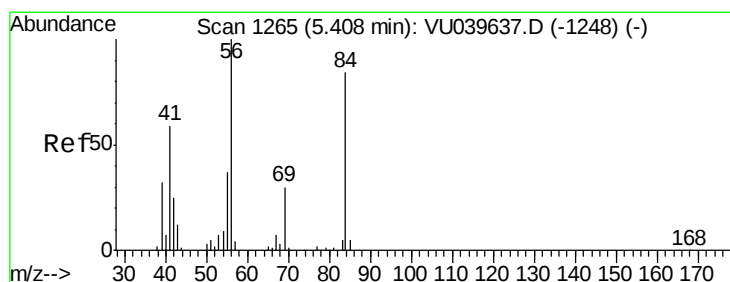
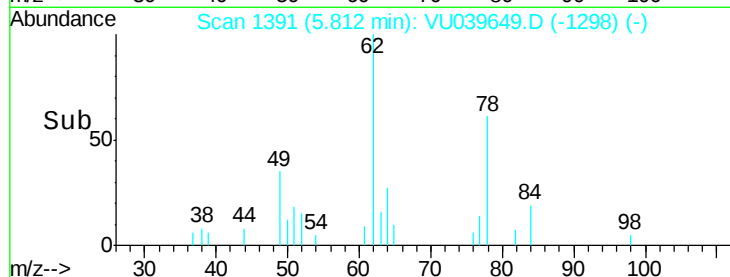
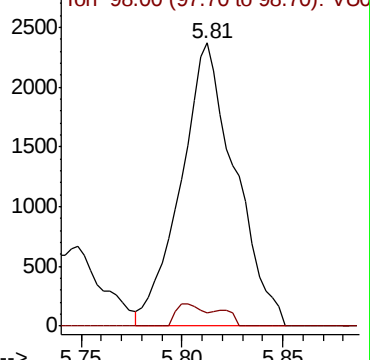
Ion Ratio Lower Upper

62 100

98 4.9 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VU039649.D (-1298) (-)



#29

Cyclohexane

Concen: 1.856 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

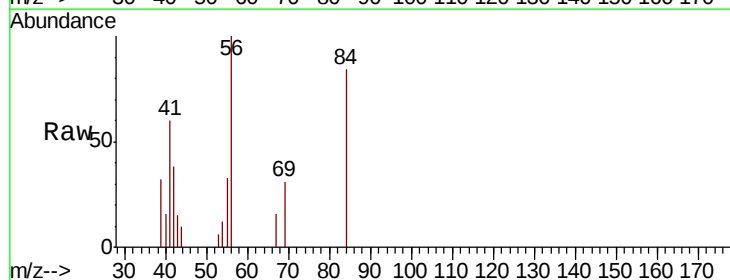
Tgt Ion: 56 Resp: 3513

Ion Ratio Lower Upper

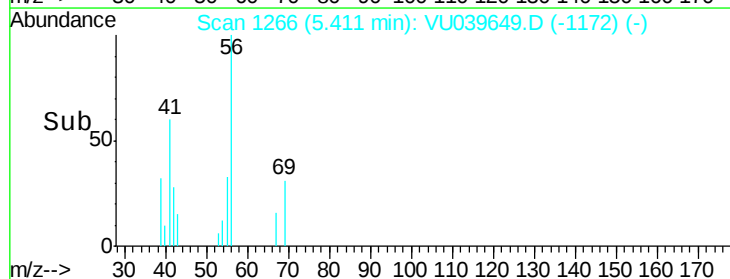
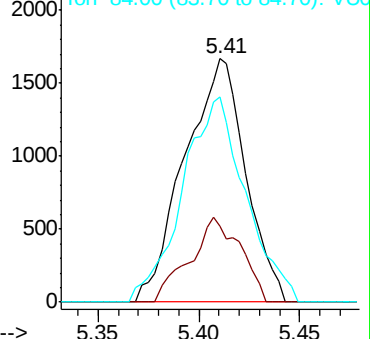
56 100

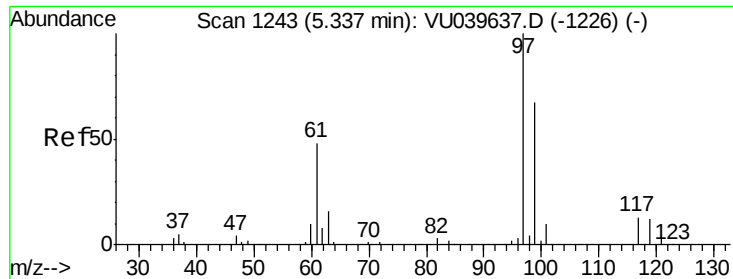
69 20.6 23.9 35.9#

84 87.1 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VU039649.D (-1172) (-)

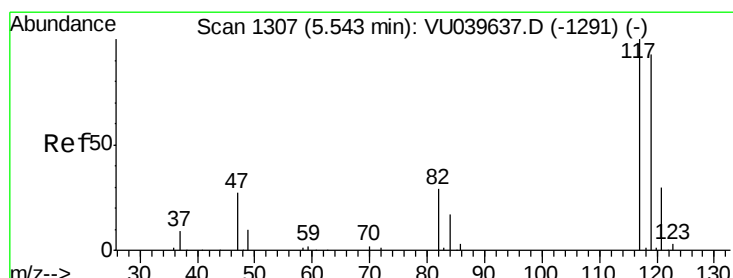
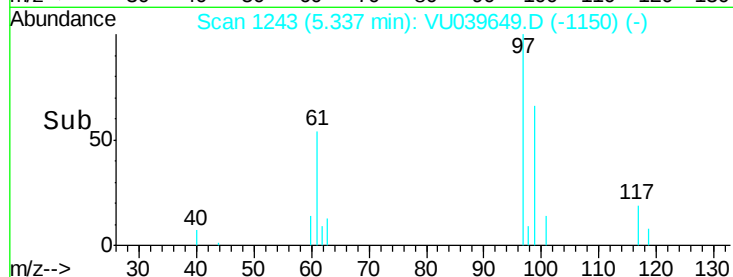
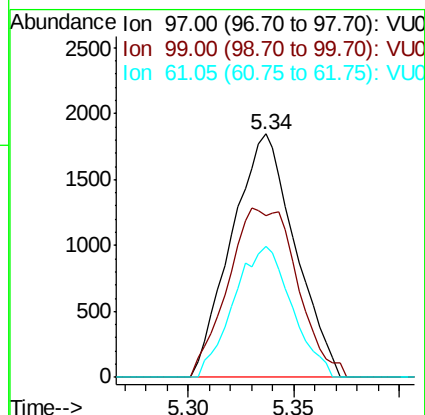
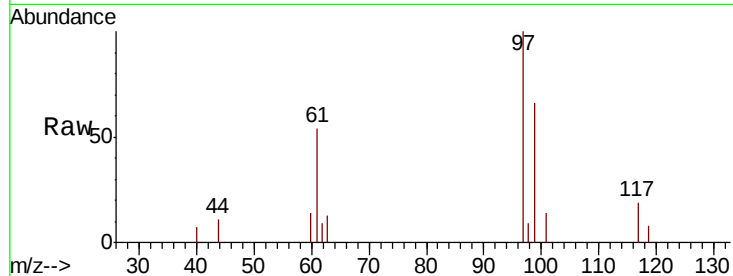




#30
 1,1,1-Trichloroethane
 Concen: 1.846 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

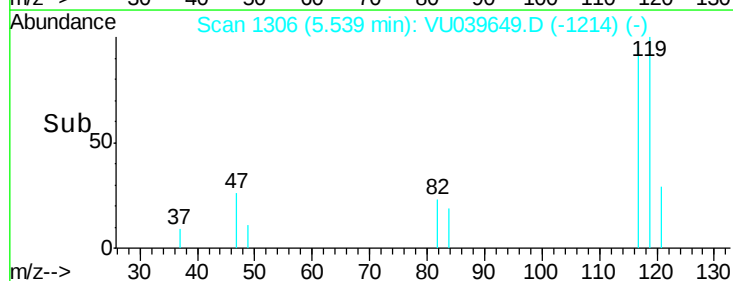
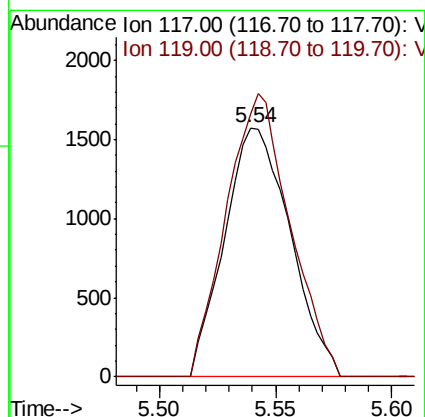
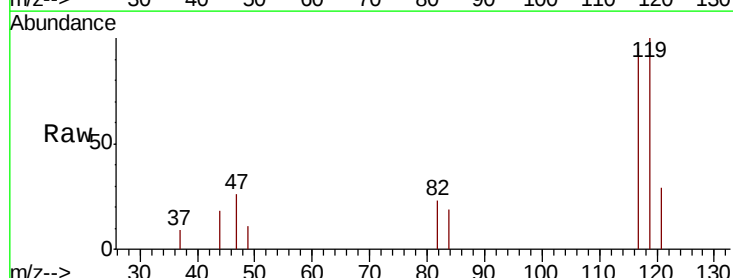
Instrument :
 MSVOA_U
 ClientSampled :

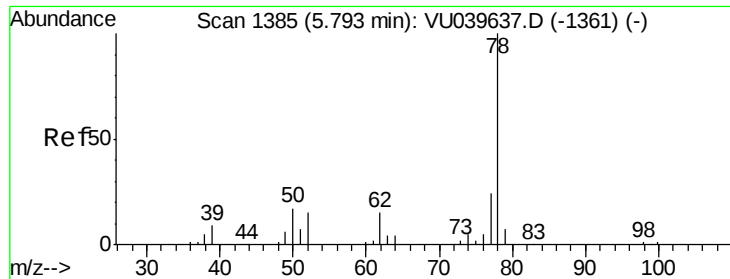
Tot Ion: 97 Resp: 3850
 Ion Ratio Lower Upper
 97 100
 99 42.8 50.3 75.5#
 61 49.6 36.0 54.0



#31
 Carbon tetrachloride
 Concen: 1.788 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 117 Resp: 3093
 Ion Ratio Lower Upper
 117 100
 119 110.4 78.2 117.4





#33

Benzene

Concen: 2.020 ug/L

RT: 5.79 min Scan# 1385

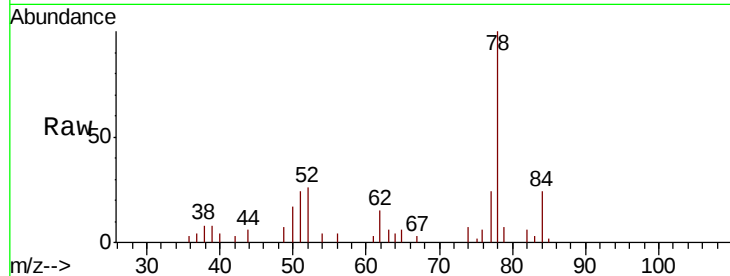
Delta R.T. -0.00 min

Lab File: VU039649.D

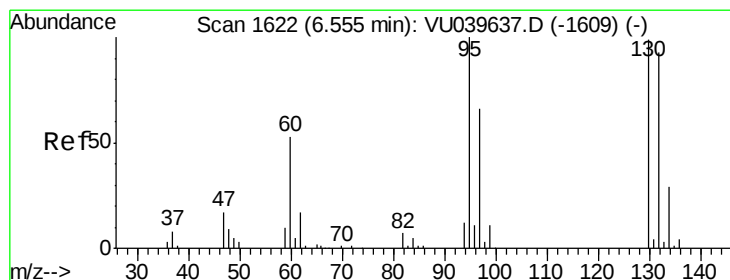
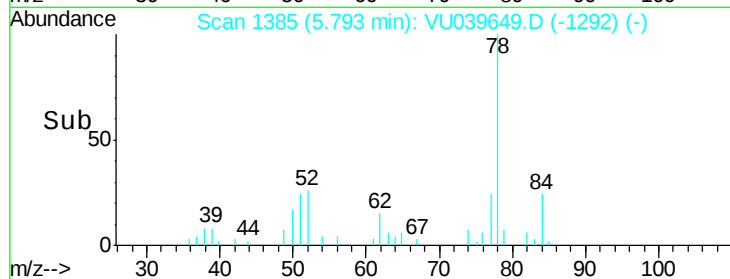
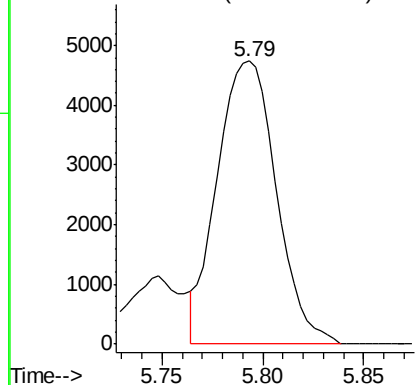
Acq: 23 Jul 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 9697



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.993 ug/L

RT: 6.56 min Scan# 1624

Delta R.T. 0.01 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Tgt Ion: 95 Resp: 2530

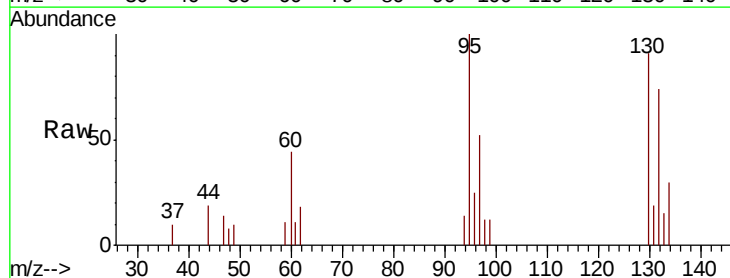
Ion Ratio Lower Upper

95 100

97 52.3 45.5 84.5

132 73.7 65.0 120.6

130 90.9 67.9 126.1

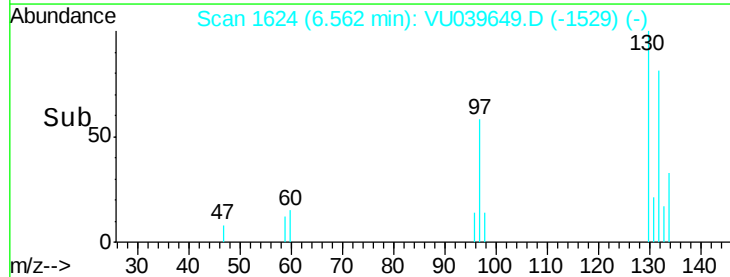
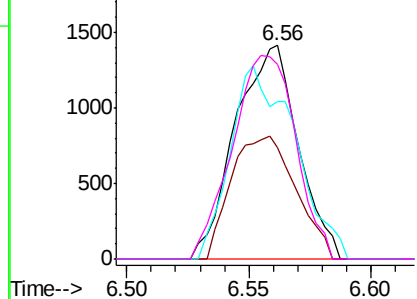


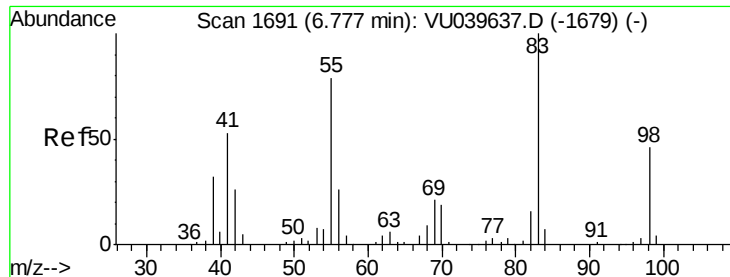
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

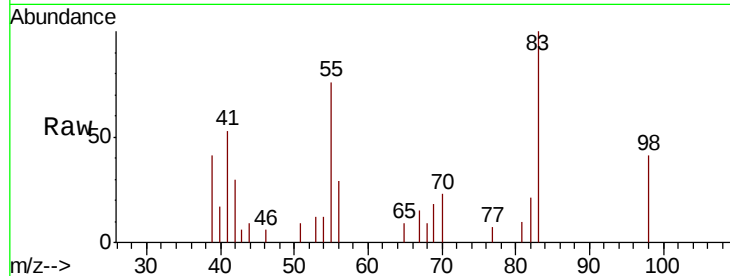




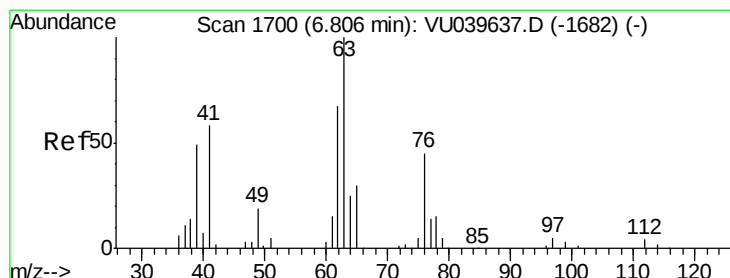
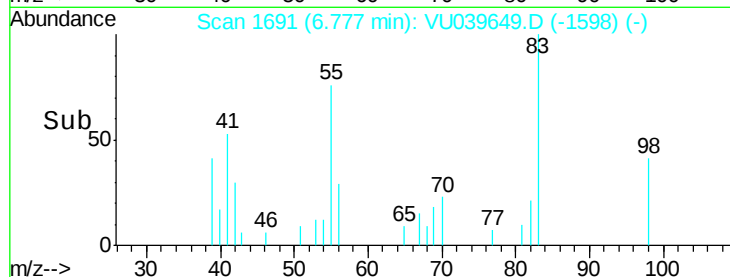
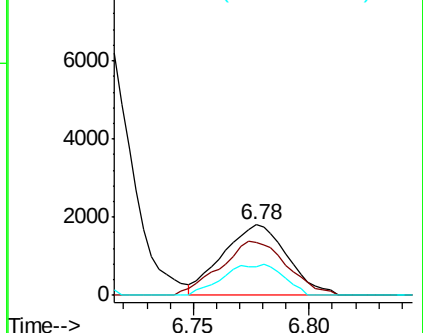
#35
Methvlcvclohexane
Concen: 1.783 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 3501
Ion Ratio Lower Upper
83 100
55 77.9 62.9 94.3
98 20.1 36.3 54.5#

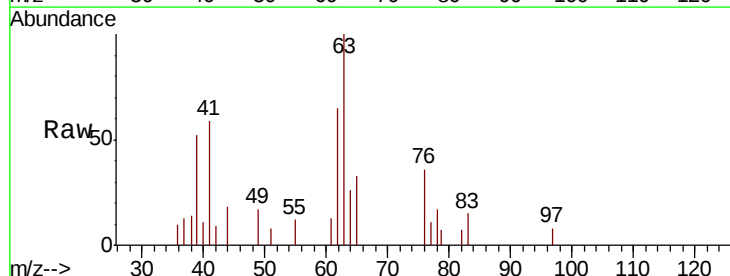


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

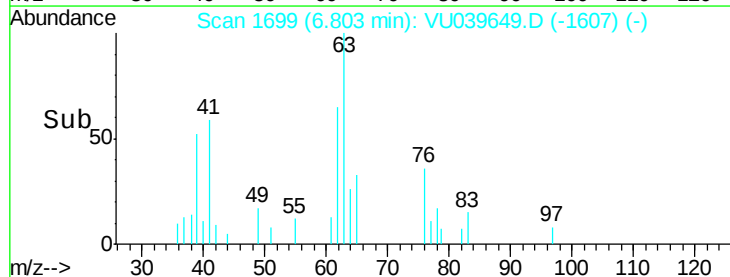
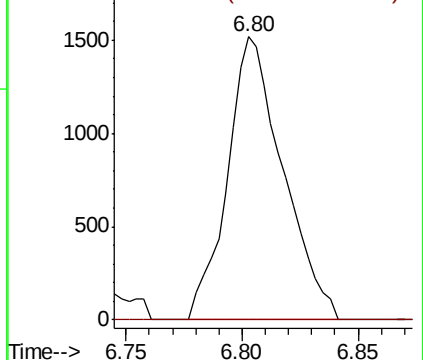


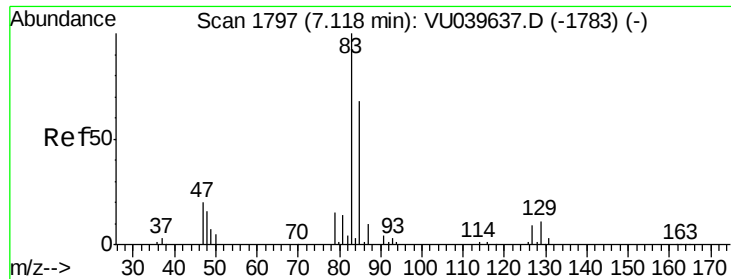
#37
1,2-Dichloropropane
Concen: 1.937 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 63 Resp: 2517
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



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

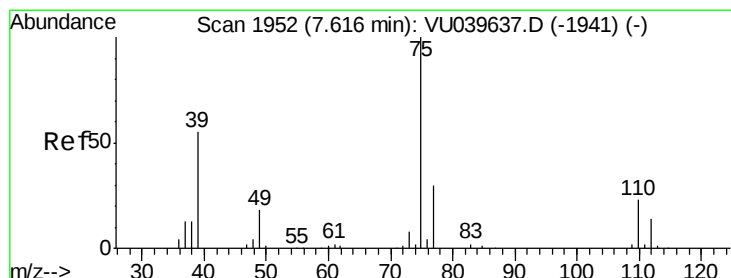
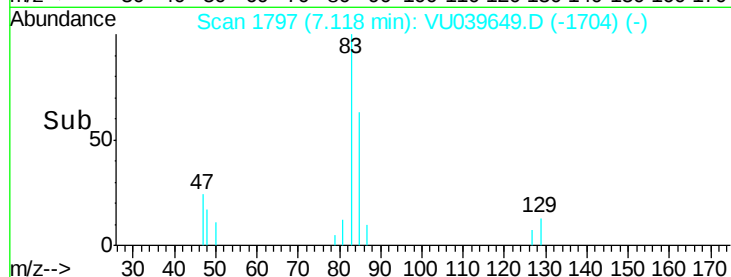
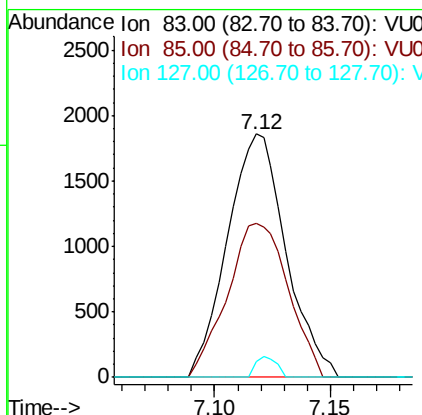
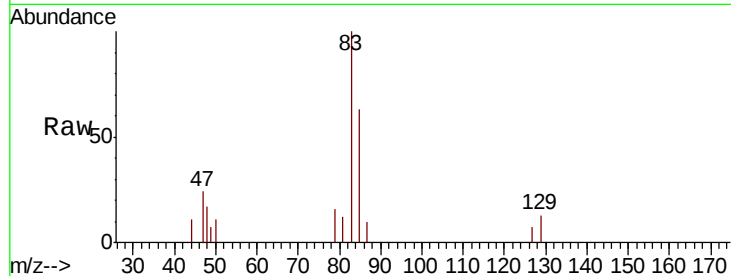




#38
 Bromodichloromethane
 Concen: 1.885 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

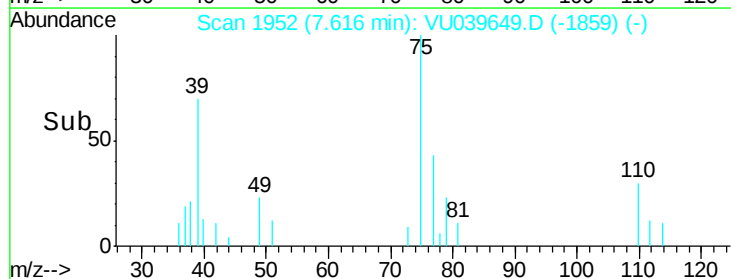
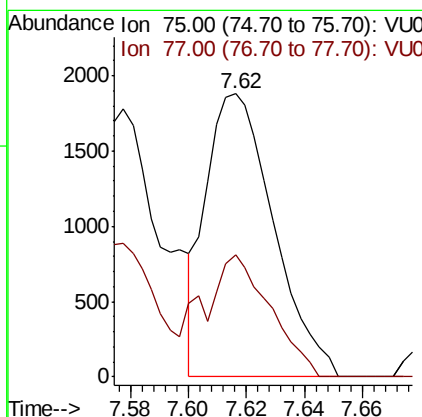
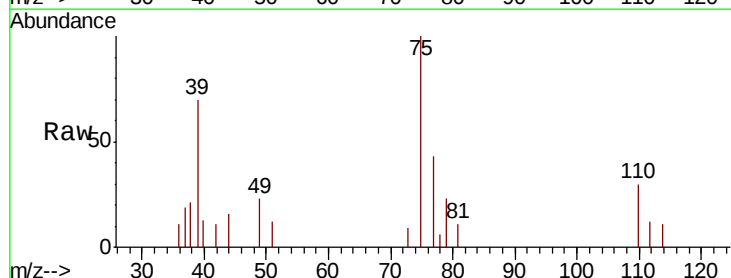
Instrument :
 MSVOA_U
 ClientSampleId :

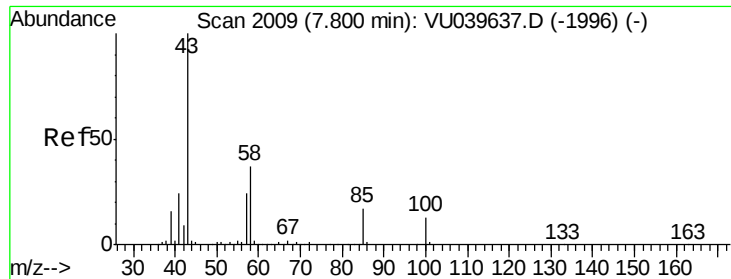
Tot Ion: 83 Resp: 3253
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.9 85.3
 127 6.7 7.4 11.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.563 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 75 Resp: 3036
 Ion Ratio Lower Upper
 75 100
 77 42.9 21.8 40.6#

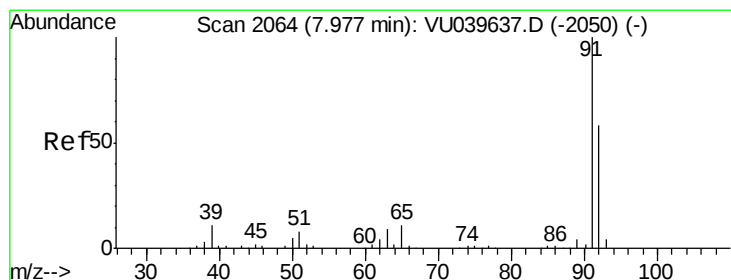
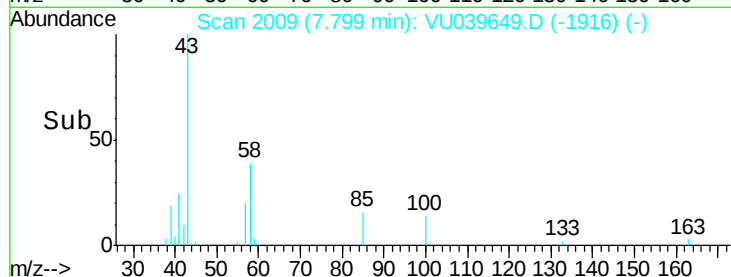
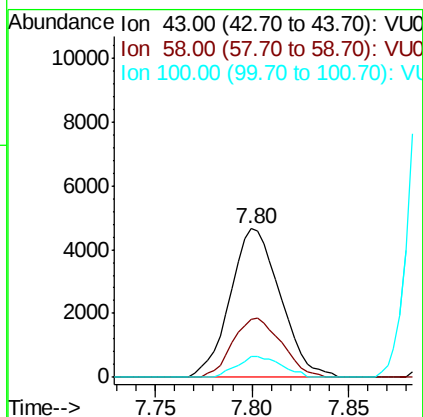
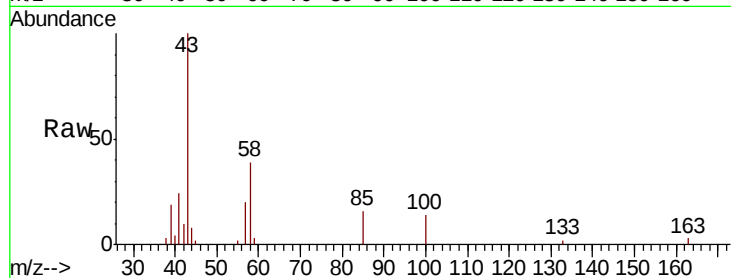




#40
4-Methyl-2-pentanone
Concen: 3.704 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

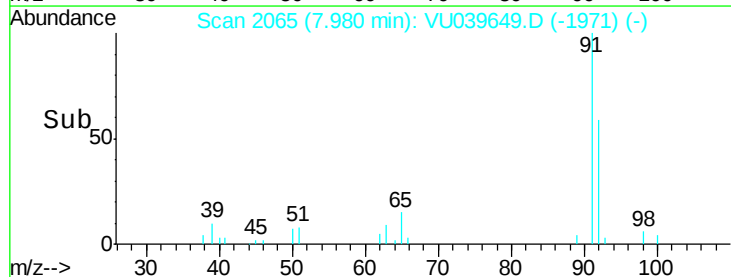
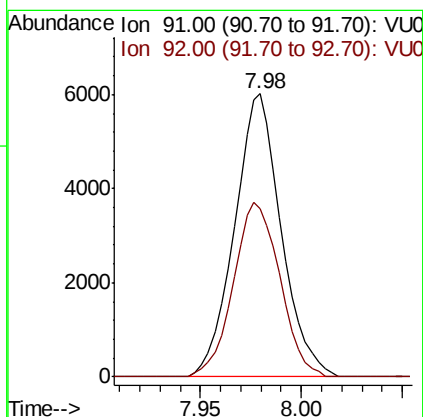
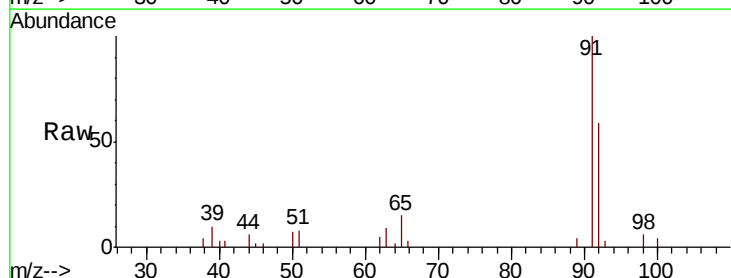
Instrument :
MSVOA_U
ClientSampled :

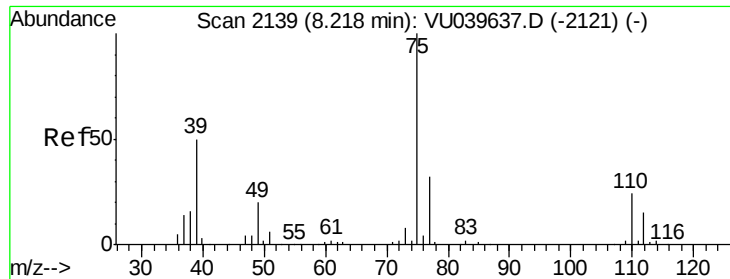
Tot Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
58 38.6 29.1 43.7
100 12.4 10.6 16.0



#42
Toluene
Concen: 1.842 ug/L
RT: 7.98 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 91 Resp: 9722
Ion Ratio Lower Upper
91 100
92 59.3 40.1 74.5

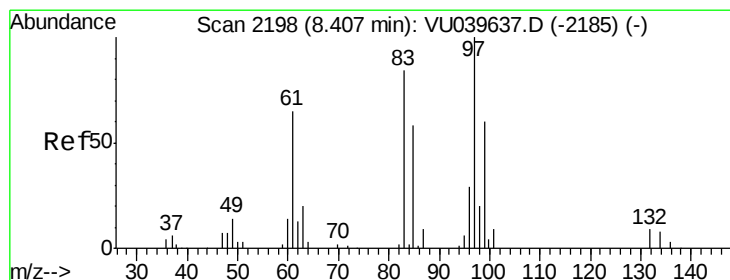
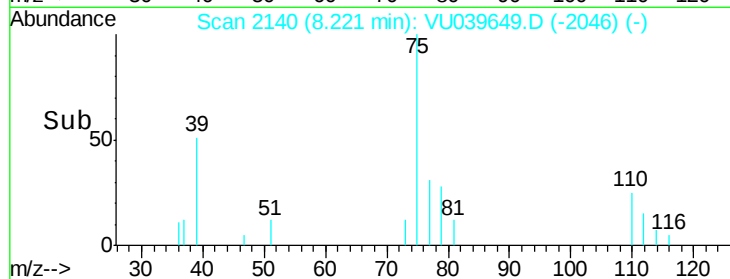
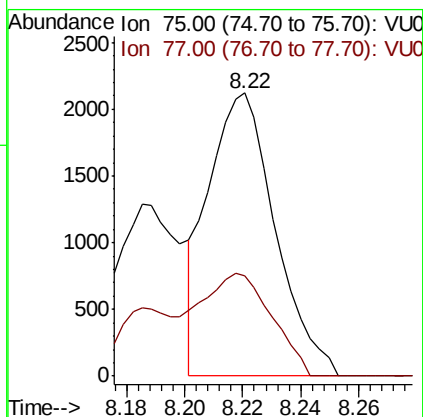
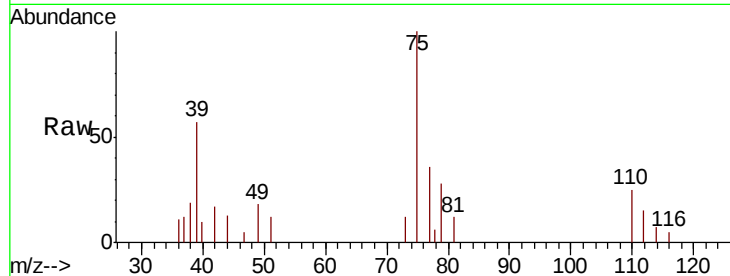




#44
trans-1,3-Dichloropropene
Concen: 1.776 ug/L
RT: 8.22 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

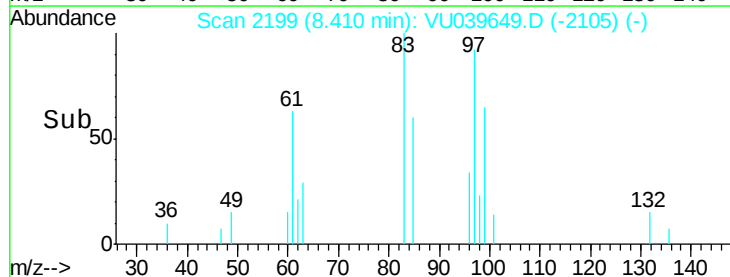
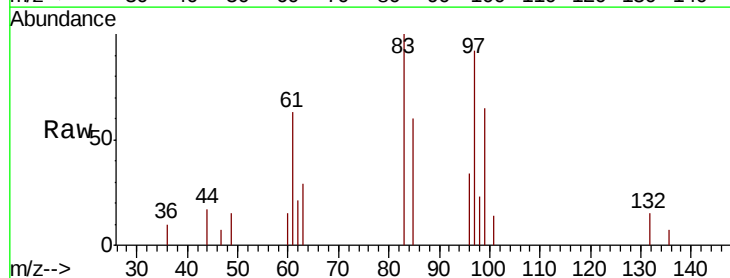
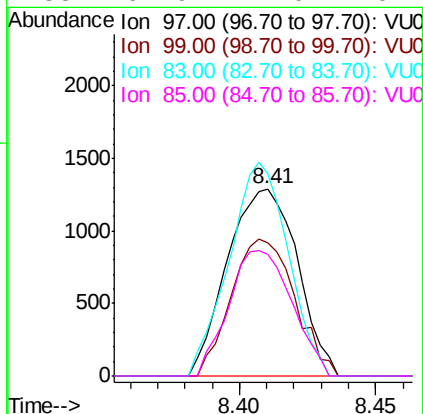
Instrument :
MSVOA_U
ClientSampleId :

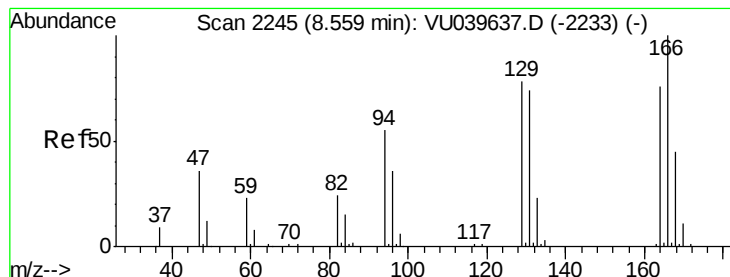
Tot Ion: 75 Resp: 3378
Ion Ratio Lower Upper
75 100
77 35.5 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 1.855 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 97 Resp: 2299
Ion Ratio Lower Upper
97 100
99 70.8 45.1 83.9
83 108.1 62.7 116.5
85 64.9 41.0 76.2





#46

Tetrachloroethene

Concen: 1.823 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1751

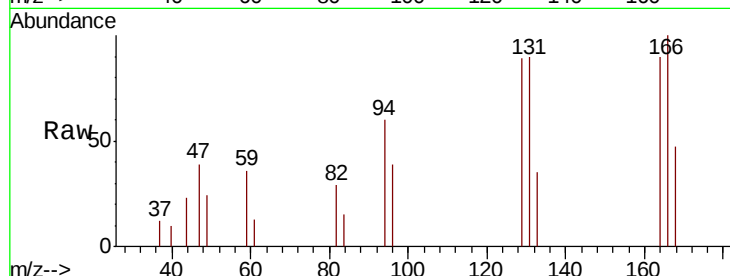
Ion Ratio Lower Upper

164 100

129 99.6 71.1 132.1

131 100.4 70.3 130.5

166 111.5 87.8 163.0

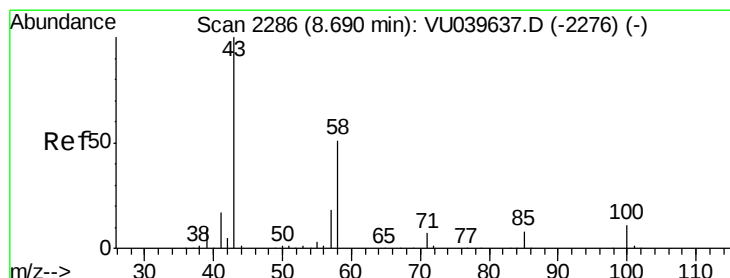
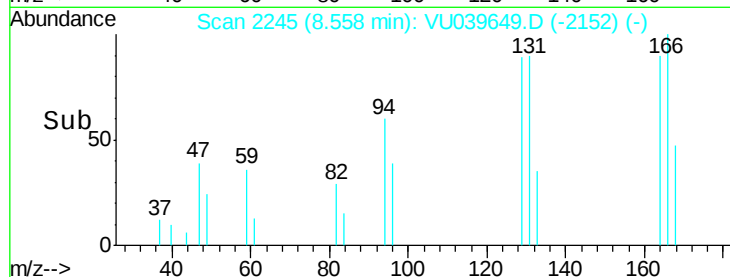
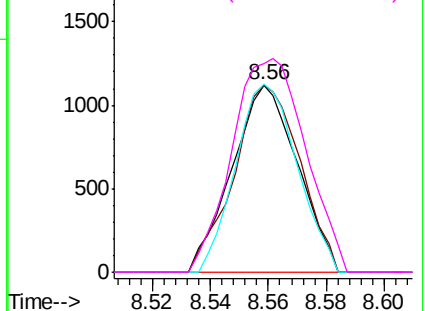


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.516 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Tgt Ion: 43 Resp: 10177

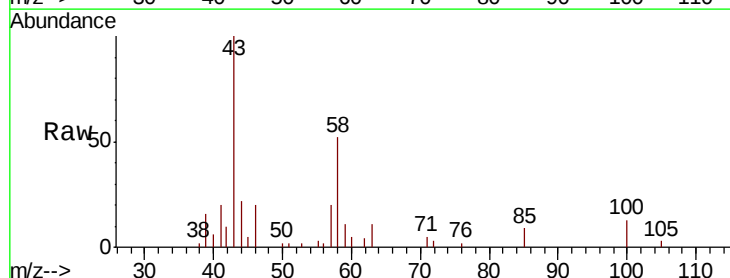
Ion Ratio Lower Upper

43 100

58 51.4 40.6 61.0

57 20.7 14.5 21.7

100 10.1 8.0 12.0

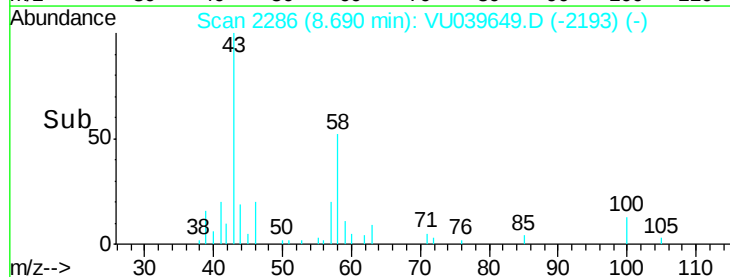
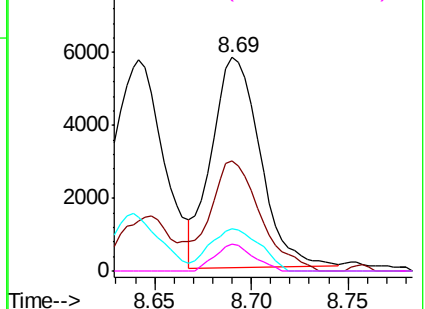


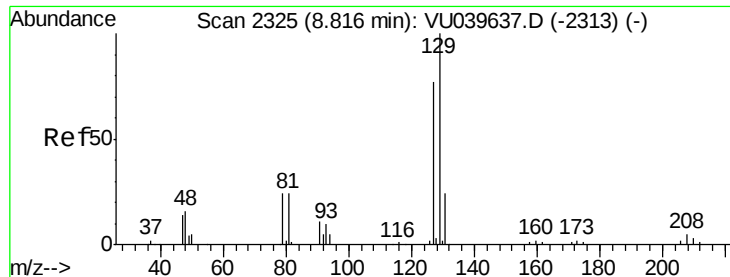
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

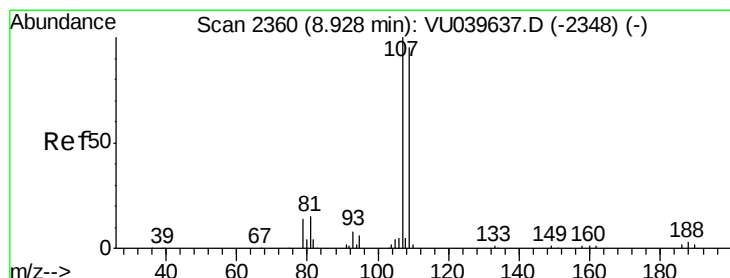
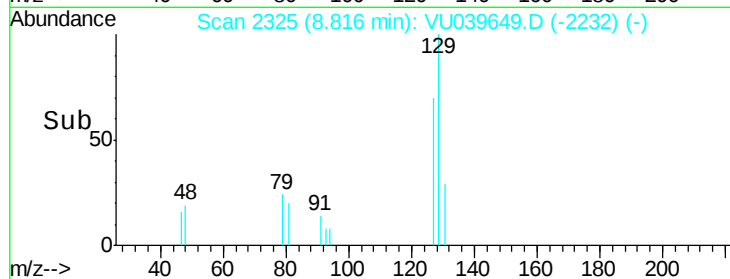
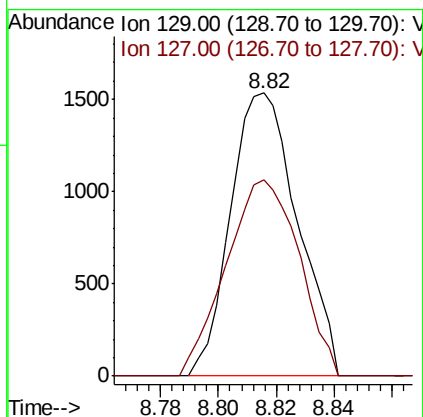
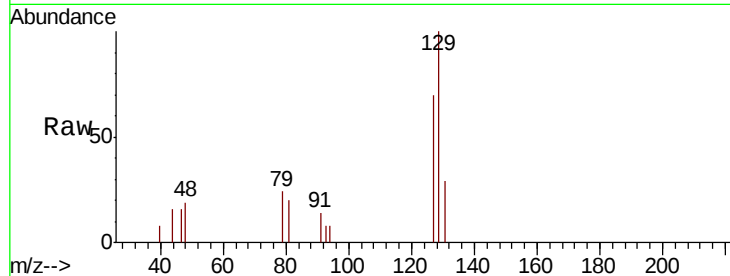




#49
 Dibromochloromethane
 Concen: 1.759 ug/L
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

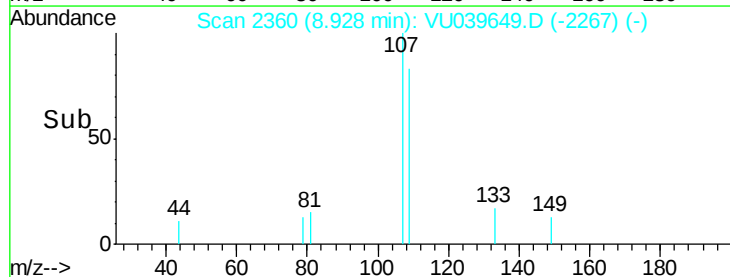
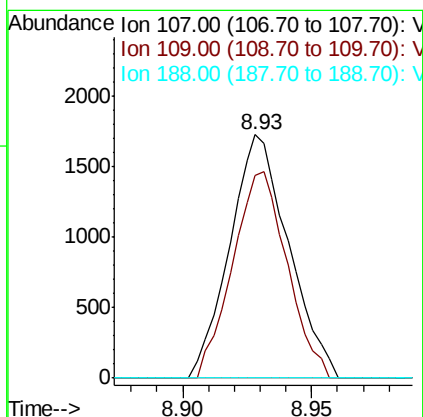
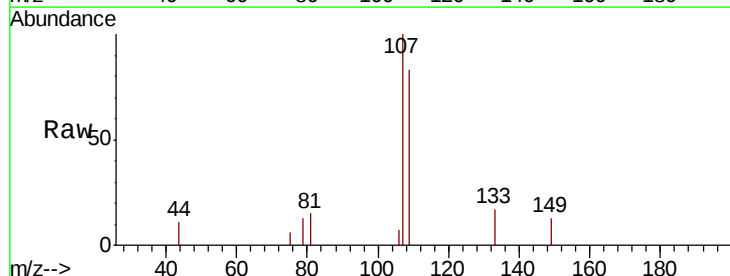
Instrument :
 MSVOA_U
 ClientSampleId :

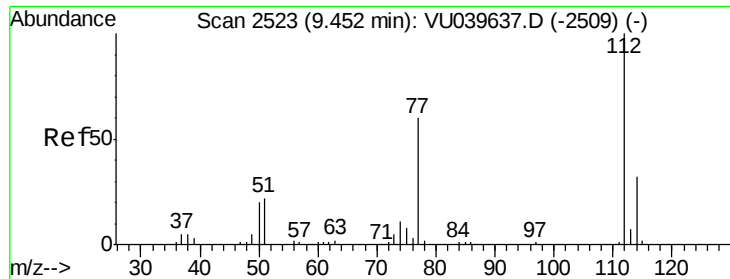
Tot Ion:129 Resp: 2462
 Ion Ratio Lower Upper
 129 100
 127 69.6 54.3 100.9



#50
 1,2-Dibromoethane
 Concen: 1.991 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion:107 Resp: 2746
 Ion Ratio Lower Upper
 107 100
 109 83.3 66.8 124.2
 188 0.0 3.0 4.4#





#51

Chlorobenzene

Concen: 2.035 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

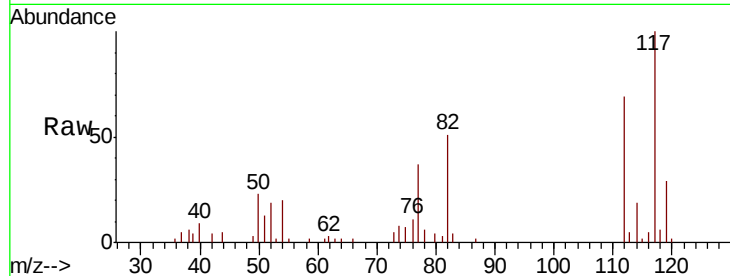
Tot Ion:112 Resp: 6855

Ion Ratio Lower Upper

112 100

114 27.4 22.9 42.5

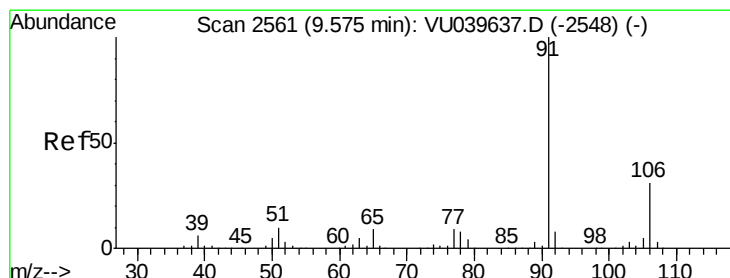
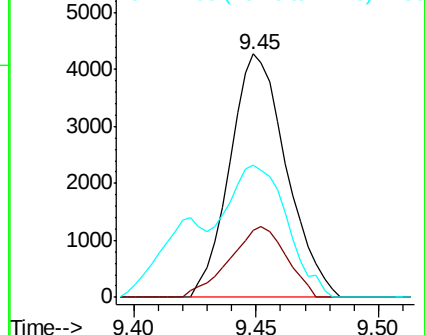
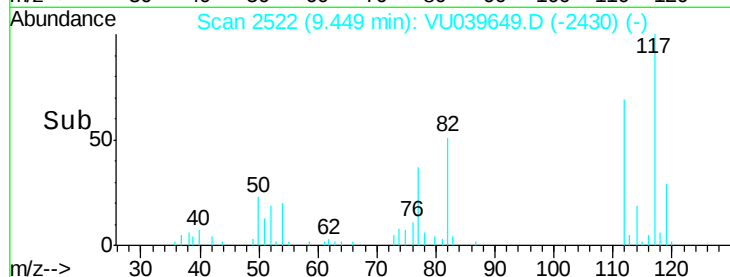
77 54.4 49.4 74.0



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): VU0



#52

Ethylbenzene

Concen: 1.788 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039649.D

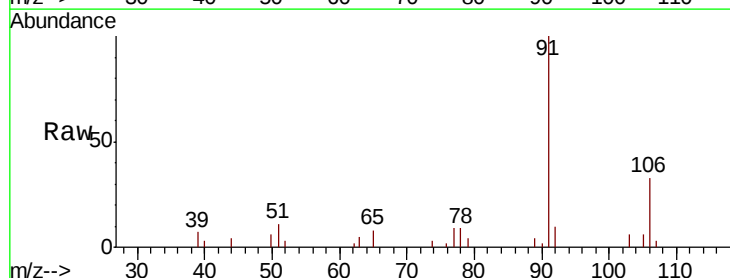
Acq: 23 Jul 2020 20:09

Tgt Ion: 91 Resp: 10433

Ion Ratio Lower Upper

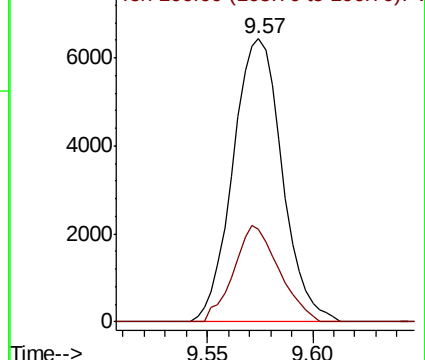
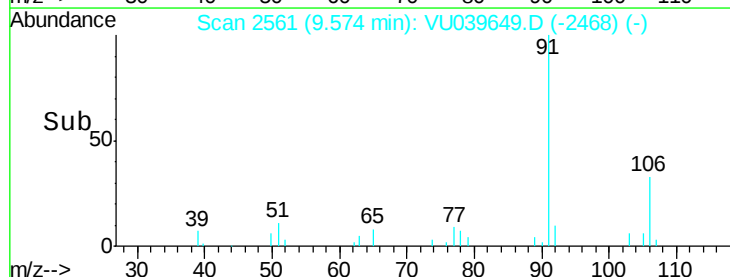
91 100

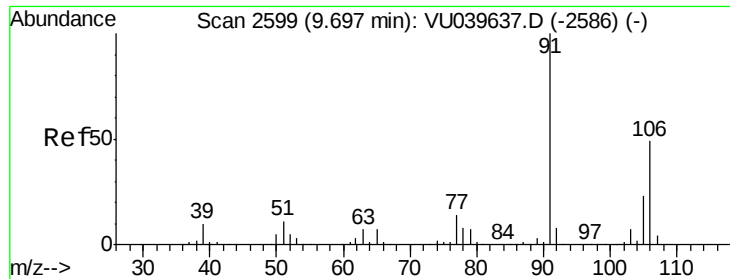
106 32.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.829 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

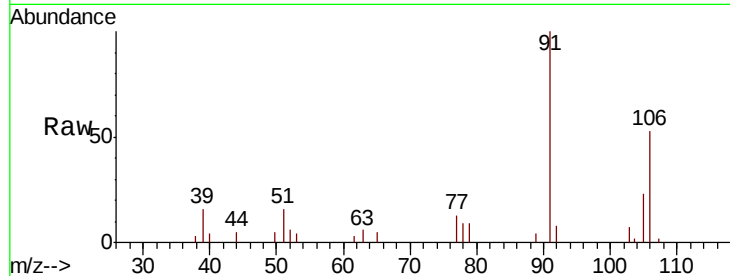
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 4021

Ion Ratio Lower Upper

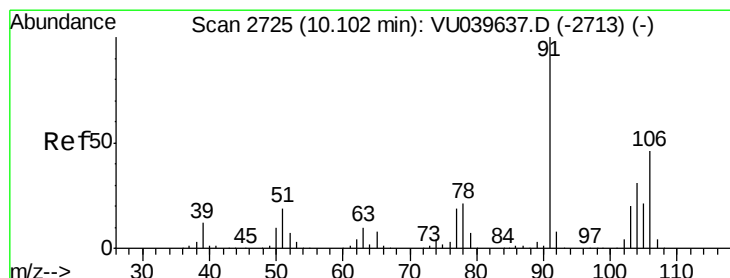
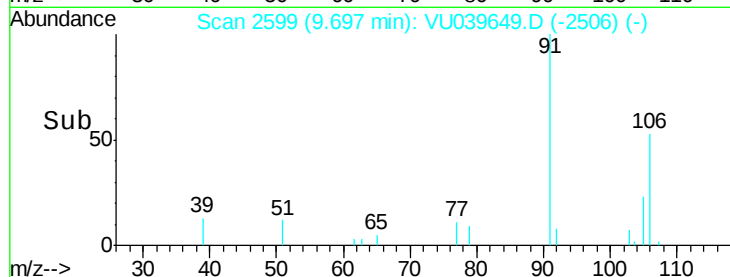
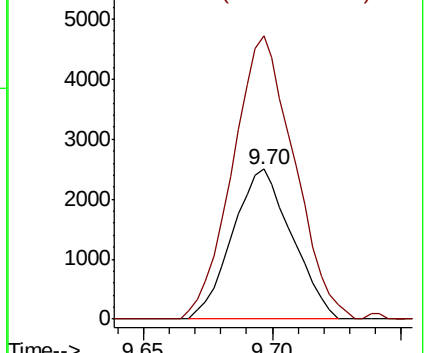
106 100

91 188.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.765 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039649.D

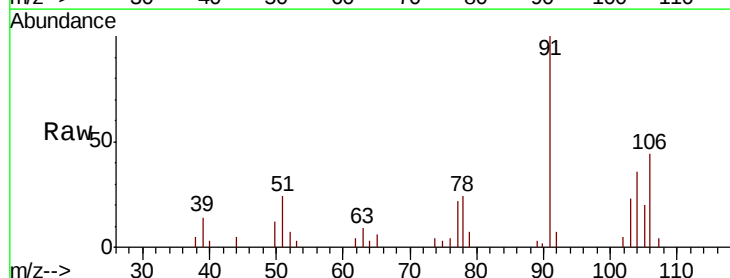
Acq: 23 Jul 2020 20:09

Tgt Ion:106 Resp: 3725

Ion Ratio Lower Upper

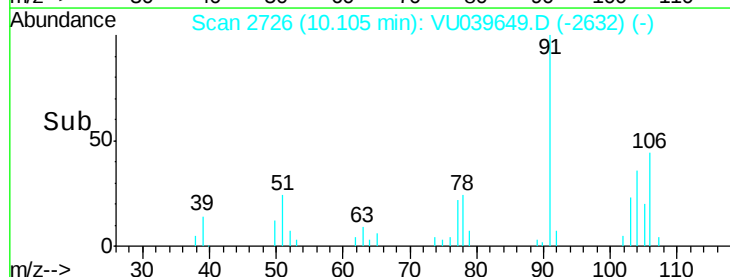
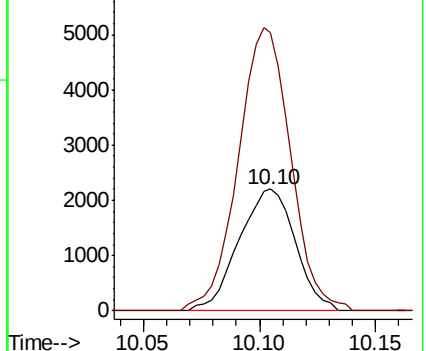
106 100

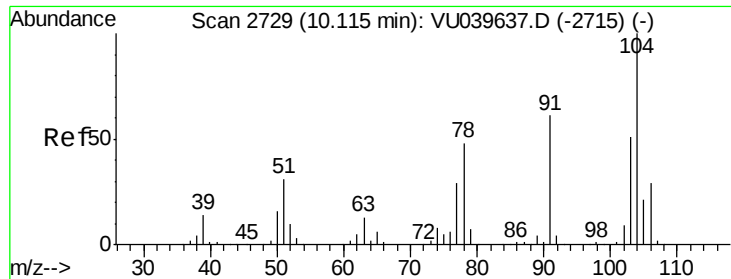
91 228.4 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

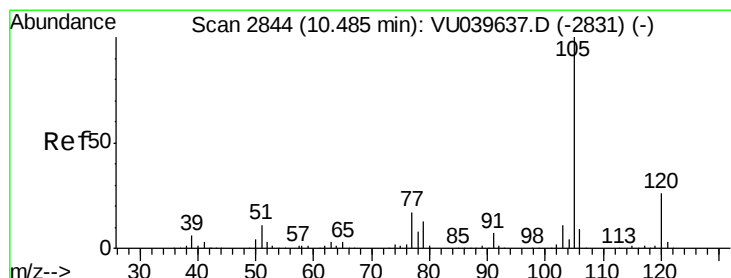
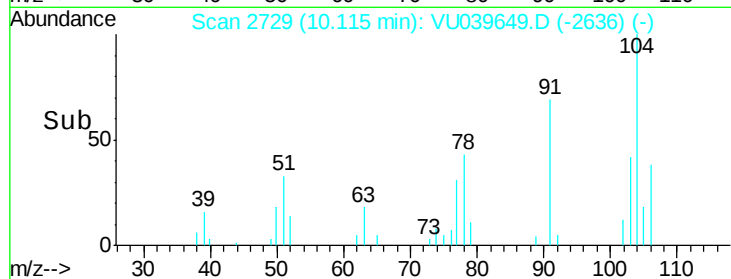
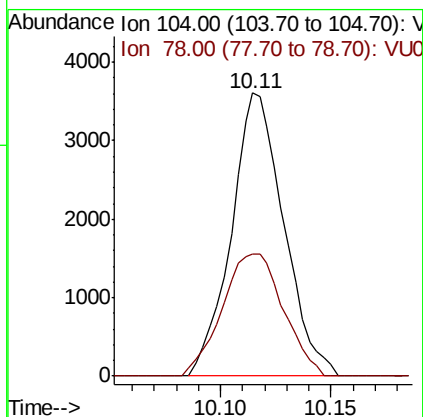
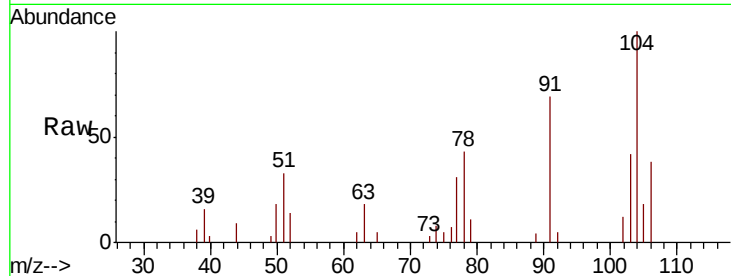




#55
Stvrene
Concen: 1.630 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

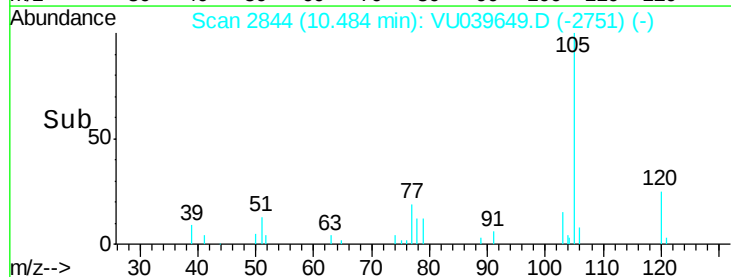
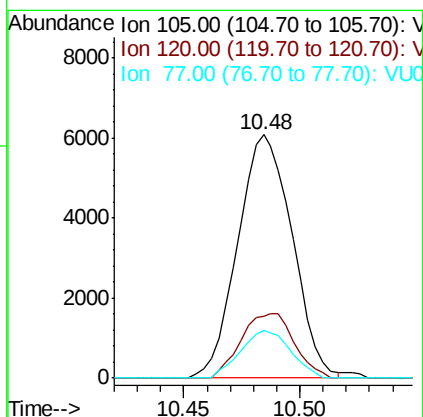
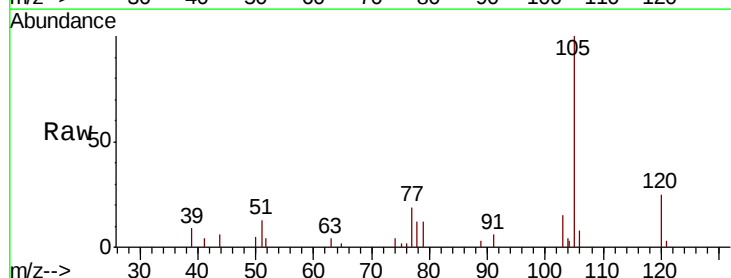
Instrument :
MSVOA_U
ClientSampled :

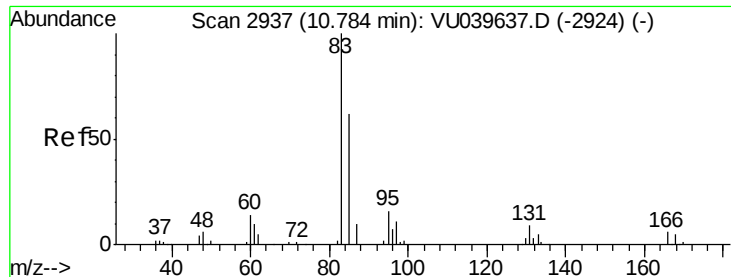
Tot Ion:104 Resp: 5951
Ion Ratio Lower Upper
104 100
78 43.1 34.3 63.7



#56
Isopropylbenzene
Concen: 1.729 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:09

Tgt Ion:105 Resp: 9906
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 18.0 13.4 20.2

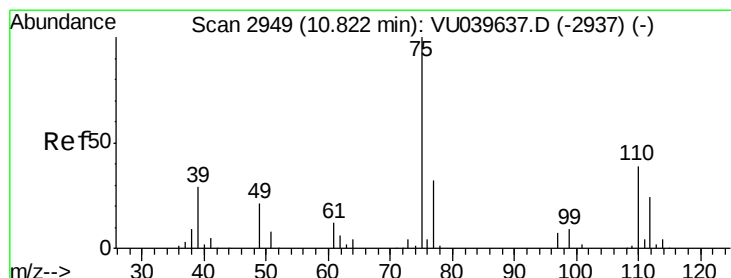
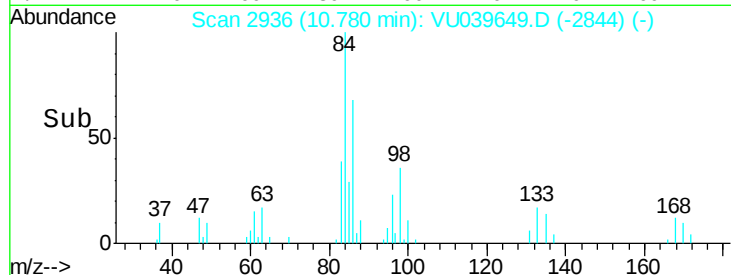
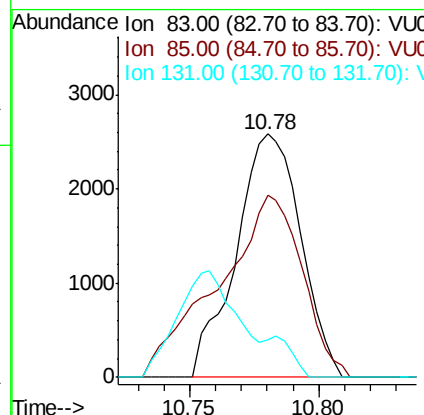
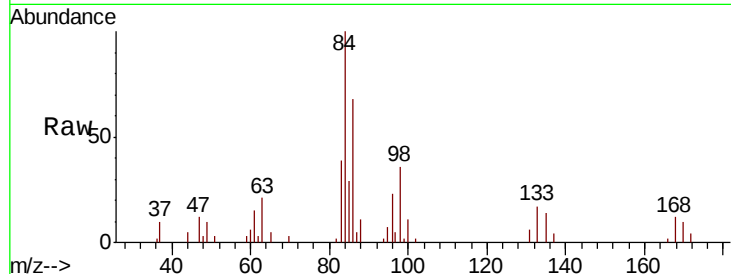




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.999 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

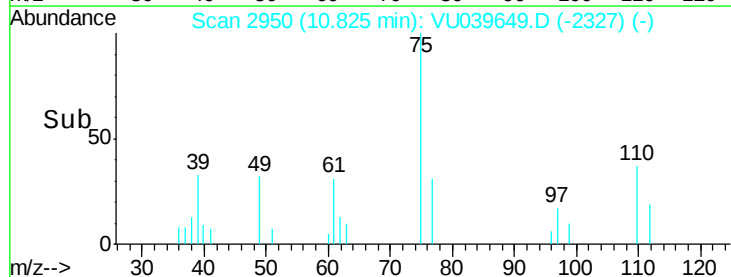
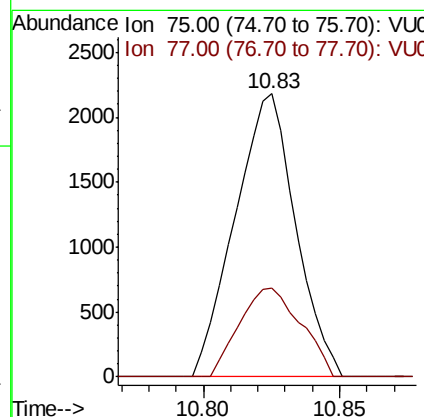
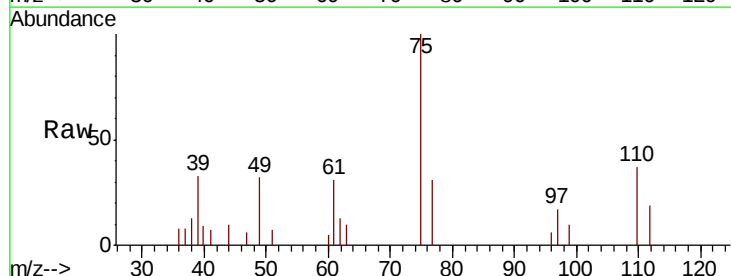
Instrument :
 MSVOA_U
 ClientSampled :

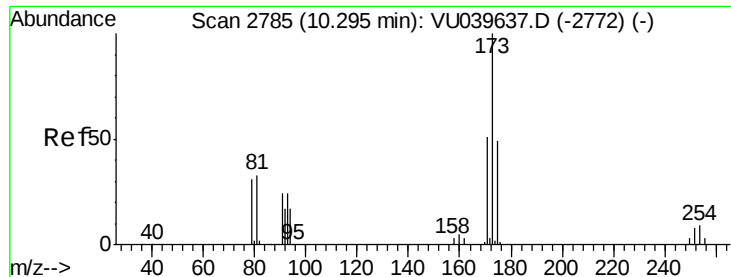
Tot Ion: 83 Resp: 4515
 Ion Ratio Lower Upper
 83 100
 85 74.7 46.4 86.2
 131 15.4 7.8 11.6#



#59
 1,2,3-Trichloropropane
 Concen: 1.780 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 75 Resp: 3356
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2





#61

Bromoform

Concen: 1.435 ug/L

RT: 10.30 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

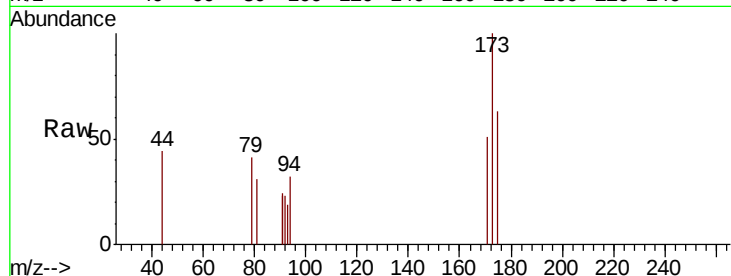
Tot Ion:173 Resp: 1355

Ion Ratio Lower Upper

173 100

175 58.2 38.4 57.6#

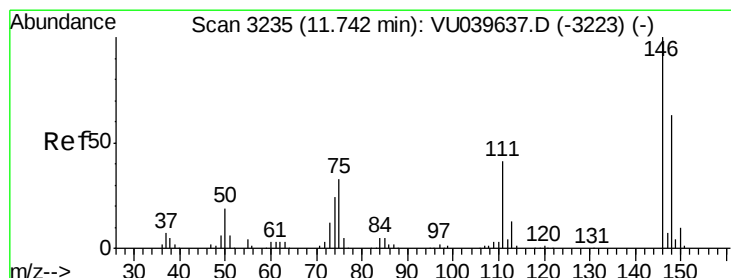
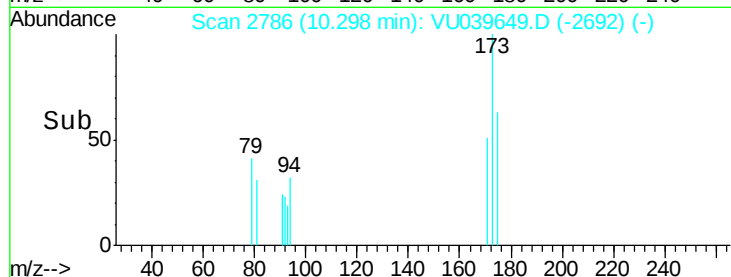
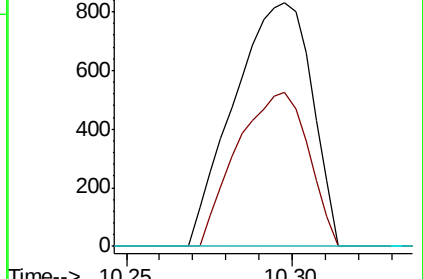
254 0.0 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 1.971 ug/L

RT: 11.74 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

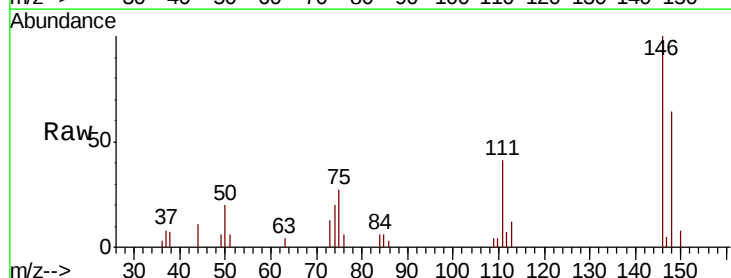
Tgt Ion:146 Resp: 4818

Ion Ratio Lower Upper

146 100

111 41.0 29.3 54.3

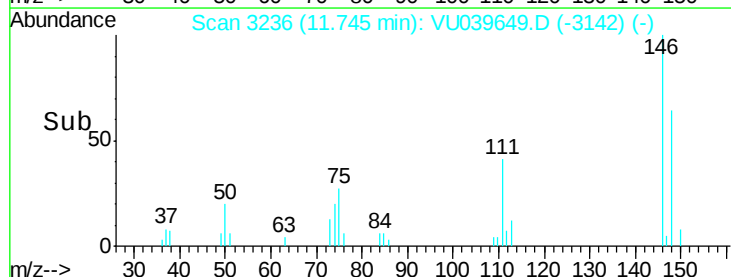
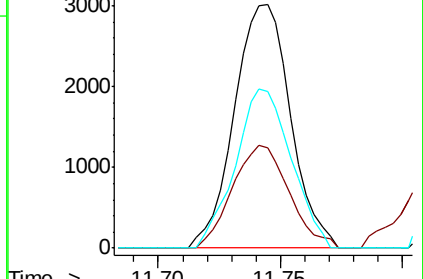
148 64.1 46.1 85.5

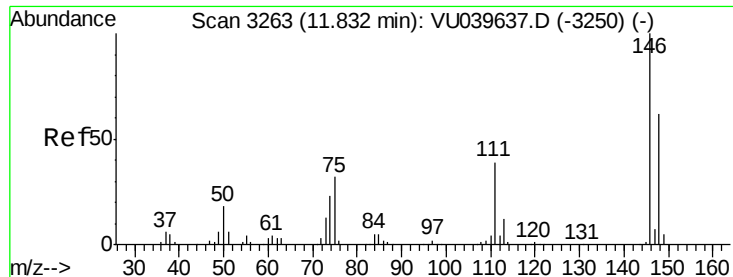


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.947 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039649.D

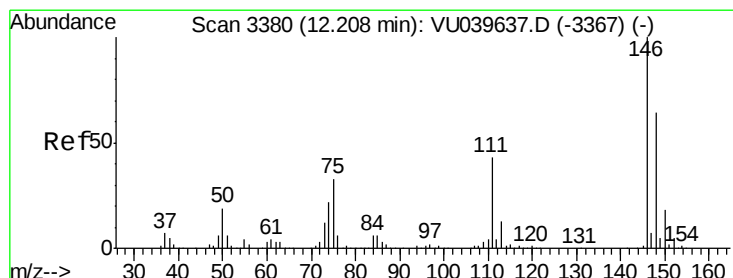
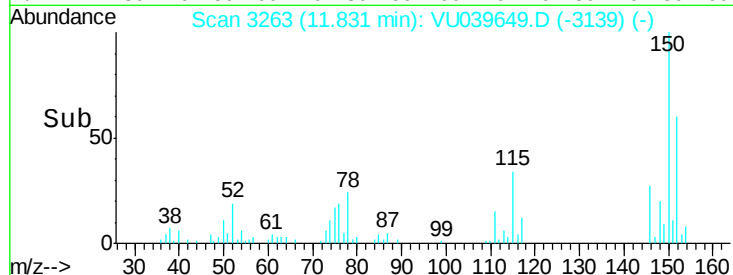
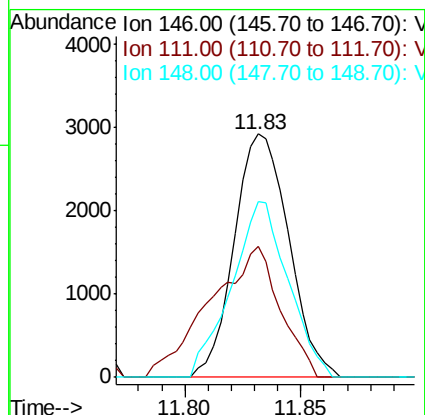
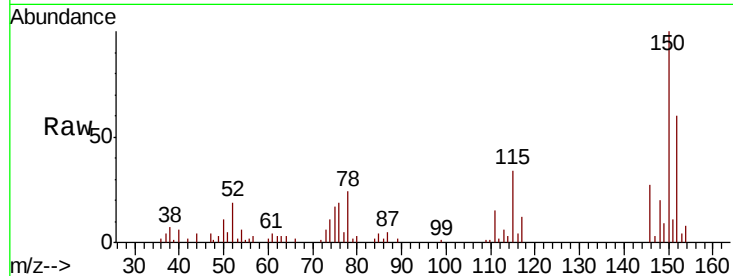
Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	4769
Ion	Ratio	Lower Upper
146	100	
111	54.0	27.8 51.6#
148	72.3	44.7 83.1



#65

1,2-Dichlorobenzene

Concen: 2.089 ug/L

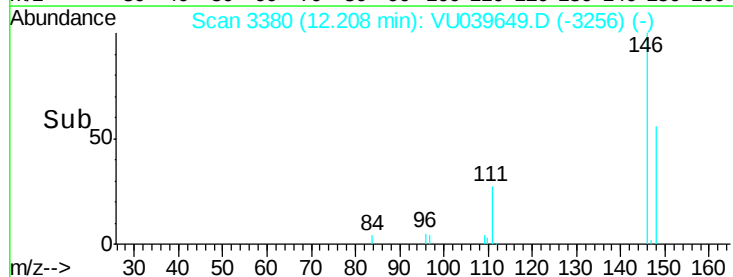
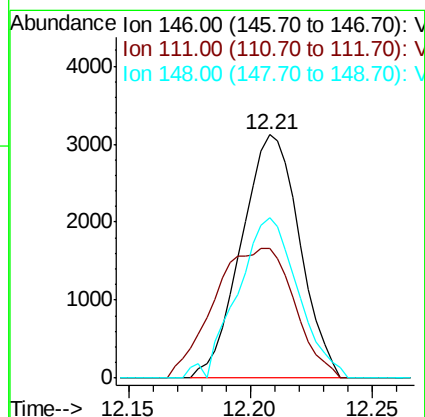
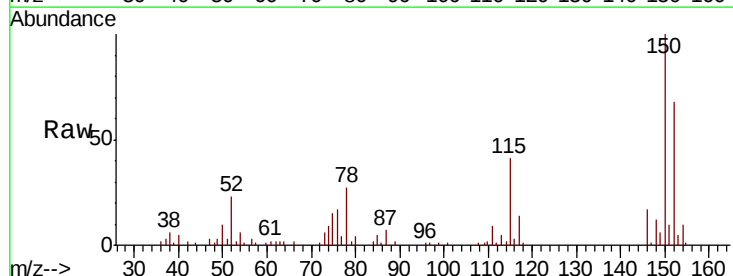
RT: 12.21 min Scan# 3380

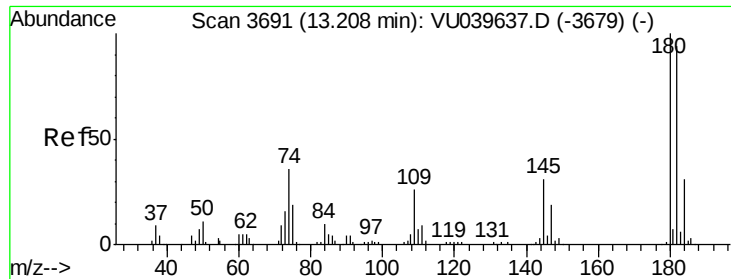
Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Tgt Ion:146	Resp:	5160
Ion	Ratio	Lower Upper
146	100	
111	53.5	34.8 52.2#
148	66.0	52.5 78.7

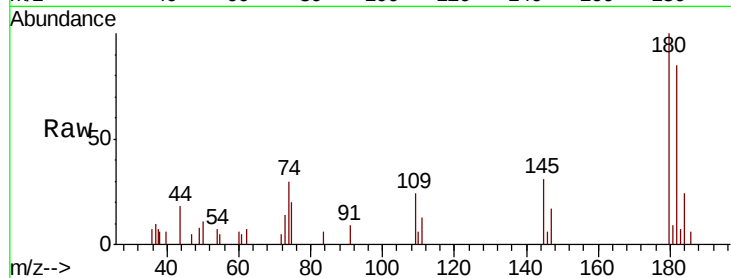




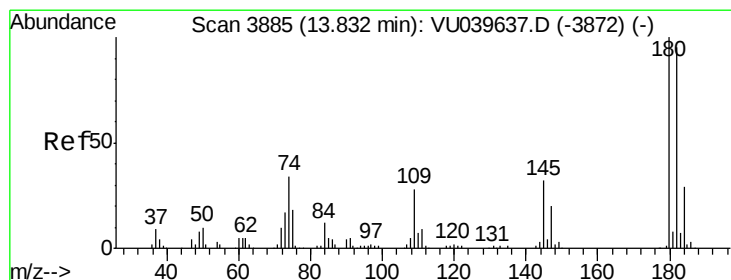
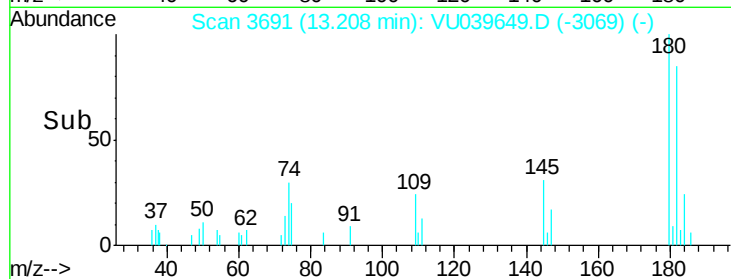
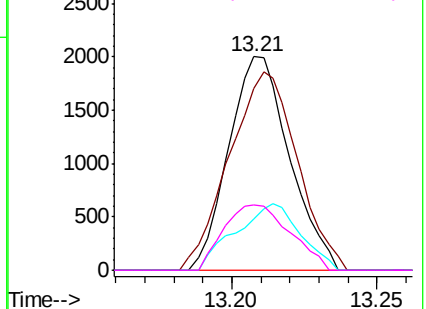
#67
 1,3,5-Trichlorobenzene
 Concen: 1.650 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2909
 Ion Ratio Lower Upper
 180 100
 182 103.9 75.7 113.5
 184 33.2 24.2 36.2
 145 33.7 24.6 36.8

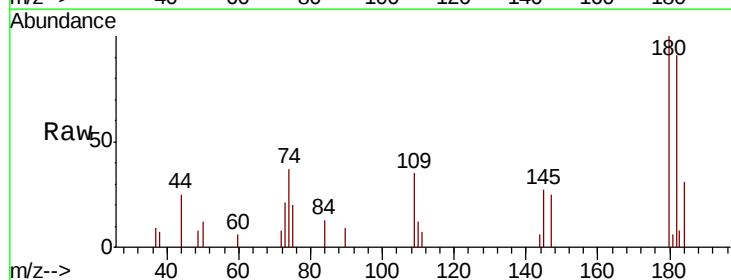


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

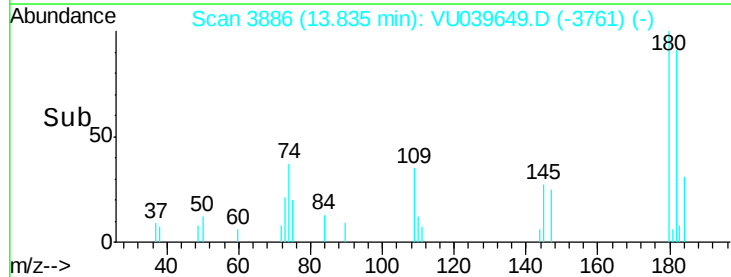
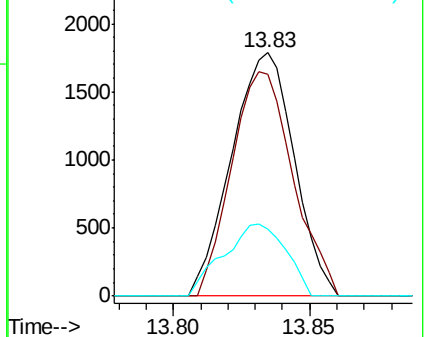


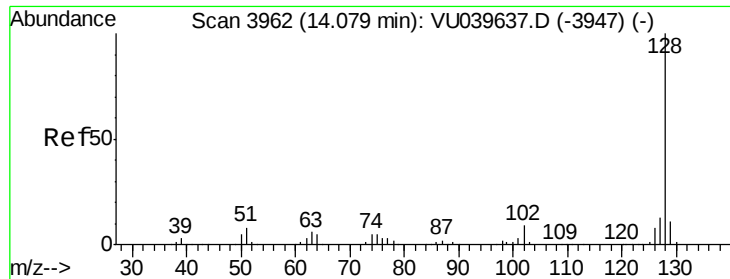
#68
 1,2,4-trichlorobenzene
 Concen: 1.902 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:09

Tgt Ion:180 Resp: 2846
 Ion Ratio Lower Upper
 180 100
 182 90.3 74.4 111.6
 145 29.6 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: 1.632 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

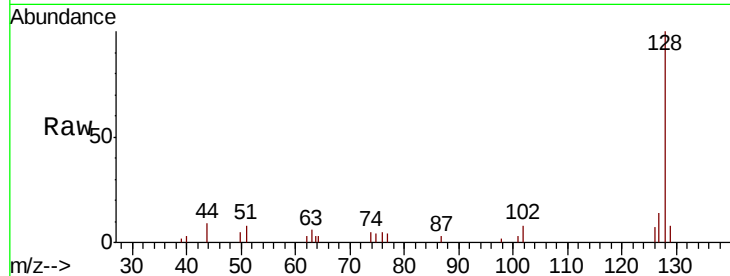
Tot Ion:128 Resp: 7325

Ion Ratio Lower Upper

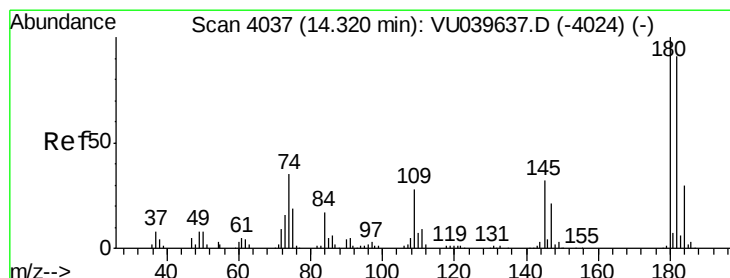
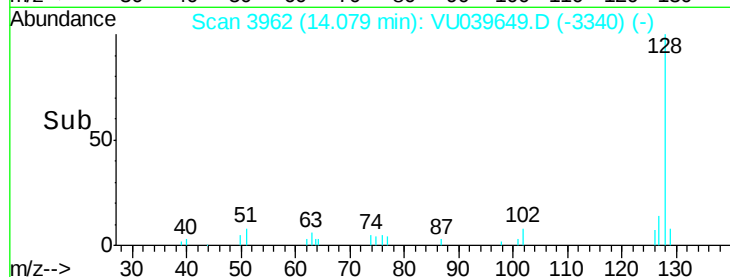
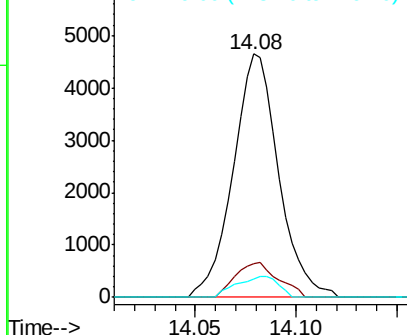
128 100

127 13.4 10.7 16.1

129 7.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.788 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:09

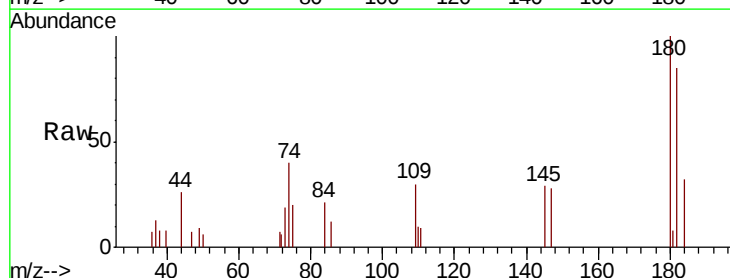
Tgt Ion:180 Resp: 2702

Ion Ratio Lower Upper

180 100

182 98.9 76.6 114.8

145 26.8 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

