

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039652.D
 Acq On : 23 Jul 2020 21:15
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:08:23 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	192867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	180843	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81317	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52015	41.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.86%
7) Chloroethane-d5	1.92	69	62555	41.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.14%
11) 1,1-Dichloroethene-d2	2.58	63	87729	33.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.02%
21) 2-Butanone-d5	4.65	46	130188	89.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.81%
24) Chloroform-d	5.08	84	123205	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.26%
26) 1,2-Dichloroethane-d4	5.72	65	89323	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
32) Benzene-d6	5.75	84	239041	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.70	67	77491	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.12%
41) Toluene-d8	7.91	98	216724	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	8.19	79	35565	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.58%
47) 2-Hexanone-d5	8.64	63	80374	89.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116721	44.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.52%
64) 1,2-Dichlorobenzene-d4	12.19	152	87137	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2721	2.071	ug/L	94
3) Chloromethane	1.53	50	2517	1.844	ug/L	98
5) Vinyl chloride	1.61	62	3183	2.295	ug/L #	71
6) Bromomethane	1.87	94	2361	2.265	ug/L	82
8) Chloroethane	1.94	64	2803	2.272	ug/L	89
9) Trichlorofluoromethane	2.15	101	4454	1.817	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2734	2.317	ug/L #	71
12) 1,1-Dichloroethene	2.59	96	2840	2.581	ug/L #	1
13) Acetone	2.65	43	3657	3.791	ug/L	100
14) Carbon disulfide	2.81	76	6551	1.861	ug/L #	94
15) Methyl Acetate	2.97	43	3481	2.014	ug/L #	80
16) Methylene chloride	3.06	84	2973	2.256	ug/L	85
17) trans-1,2-Dichloroethene	3.37	96	2322	1.897	ug/L	88
18) Methyl tert-butyl Ether	3.38	73	7358	1.860	ug/L	96
19) 1,1-Dichloroethane	3.89	63	2567	1.074	ug/L	97
20) cis-1,2-Dichloroethene	4.69	96	2898	2.071	ug/L	83
23) Bromochloromethane	4.99	128	867	1.233	ug/L	91

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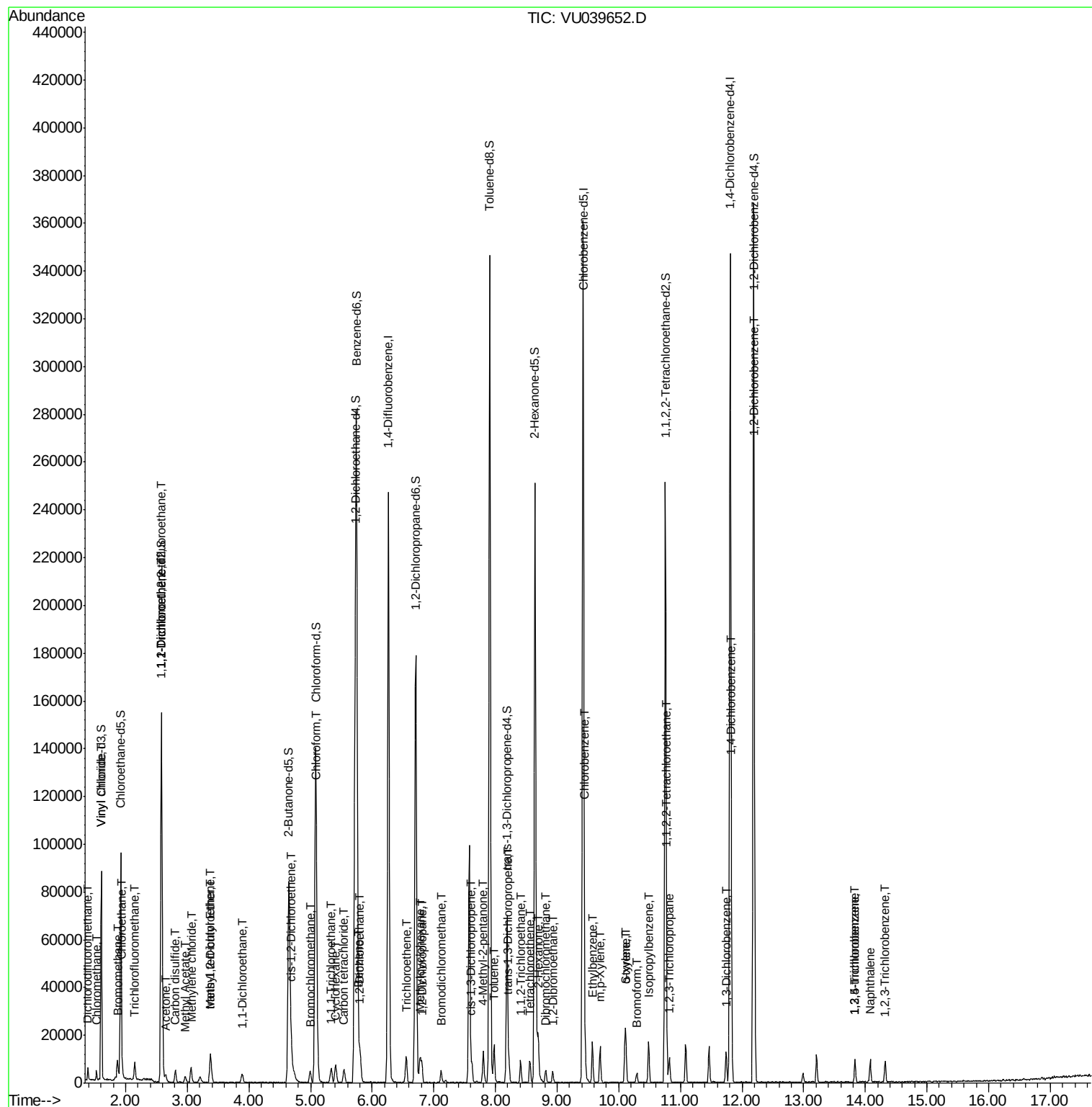
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	10016	3.780	uq/L	94
27) 1,2-Dichloroethane	5.81	62	4620	2.102	uq/L #	76
29) Cyclohexane	5.40	56	3853	1.961	uq/L	100
30) 1,1,1-Trichloroethane	5.34	97	4345	2.007	uq/L	95
31) Carbon tetrachloride	5.54	117	3544	1.973	uq/L	94
33) Benzene	5.79	78	9979	2.002	uq/L	100
34) Trichloroethene	6.56	95	2962	2.247	uq/L	93
35) Methylcyclohexane	6.78	83	3503	1.719	uq/L #	83
37) 1,2-Dichloropropane	6.81	63	2570	1.905	uq/L #	89
38) Bromodichloromethane	7.12	83	3599	2.008	uq/L #	92
39) cis-1,3-Dichloropropene	7.62	75	4010	1.988	uq/L	95
40) 4-Methyl-2-pentanone	7.80	43	9386	3.993	uq/L	93
42) Toluene	7.98	91	10162	1.854	uq/L	98
44) trans-1,3-Dichloropropene	8.22	75	4026	2.039	uq/L	93
45) 1,1,2-Trichloroethane	8.41	97	2604	2.024	uq/L #	77
46) Tetrachloroethene	8.56	164	1780	1.785	uq/L #	67
48) 2-Hexanone	8.69	43	11341	5.921	uq/L	92
49) Dibromochloromethane	8.82	129	2850	1.962	uq/L	91
50) 1,2-Dibromoethane	8.93	107	2856	1.995	uq/L #	99
51) Chlorobenzene	9.45	112	7091	2.028	uq/L	94
52) Ethylbenzene	9.57	91	11219	1.852	uq/L	96
53) m,p-Xylene	9.69	106	3980	1.743	uq/L	97
54) o-xylene	10.10	106	3972	1.813	uq/L	86
55) Styrene	10.11	104	6163	1.625	uq/L	95
56) Isopropylbenzene	10.49	105	10435	1.754	uq/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	4953	2.112	uq/L #	95
59) 1,2,3-Trichloropropane	10.82	75	4030	2.058	uq/L	99
61) Bromoform	10.29	173	1740	1.809	uq/L #	90
62) 1,3-Dichlorobenzene	11.74	146	4758	1.910	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	5229	2.095	uq/L	90
65) 1,2-Dichlorobenzene	12.21	146	5358	2.129	uq/L	94
67) 1,3,5-Trichlorobenzene	13.83	180	2765	1.539	uq/L	93
68) 1,2,4-trichlorobenzene	13.83	180	2765	1.814	uq/L	91
69) Naphthalene	14.08	128	7529	1.646	uq/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	2773	1.801	uq/L	98

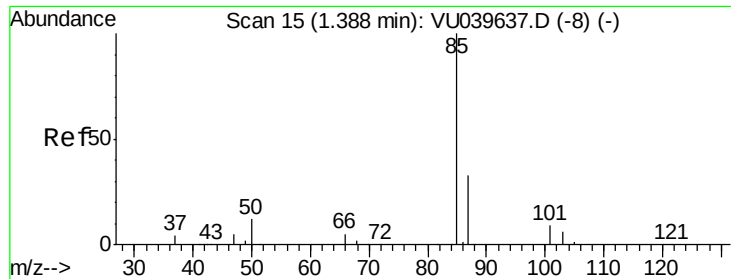
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.071 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

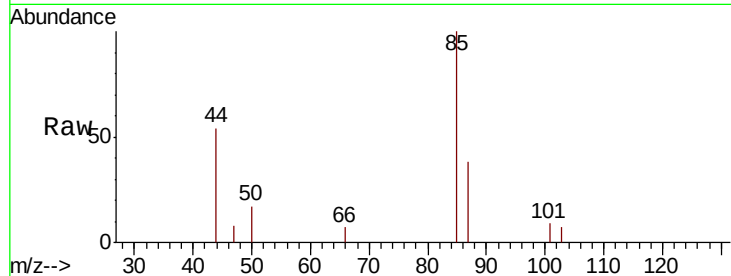
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2721

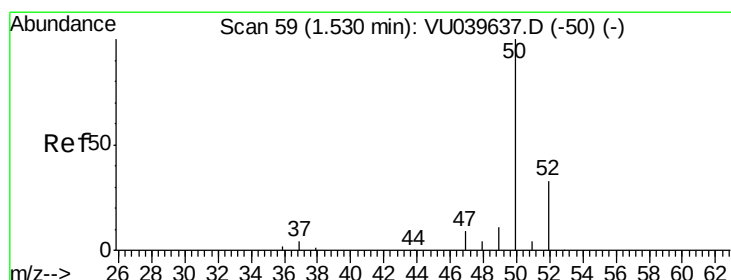
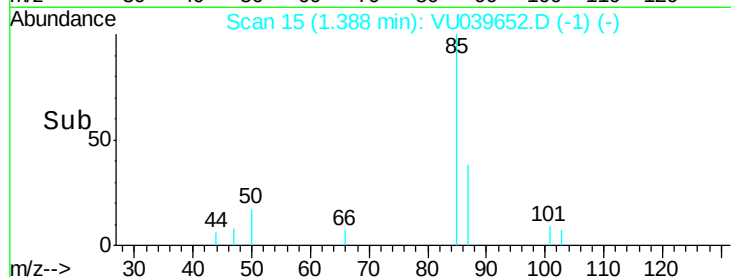
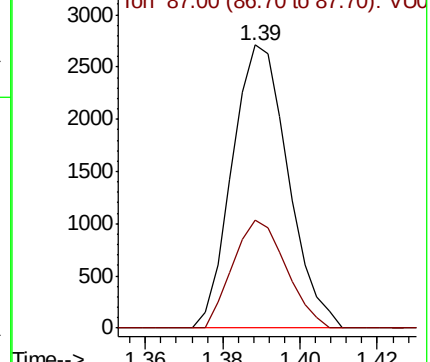
Ion Ratio Lower Upper

85 100

87 36.4 26.2 39.4



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



#3

Chloromethane

Concen: 1.844 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039652.D

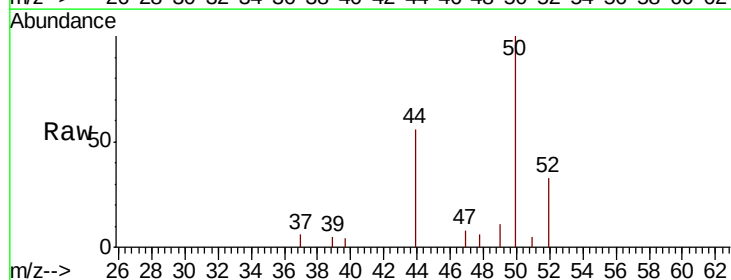
Acq: 23 Jul 2020 21:15

Tgt Ion: 50 Resp: 2517

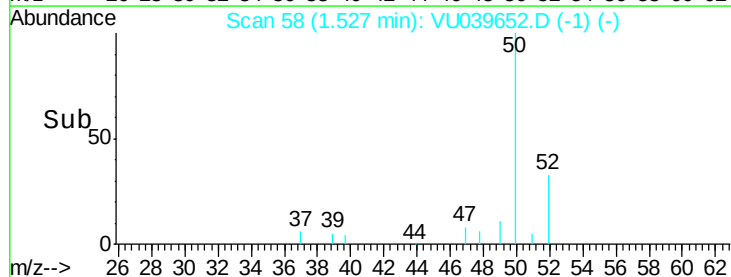
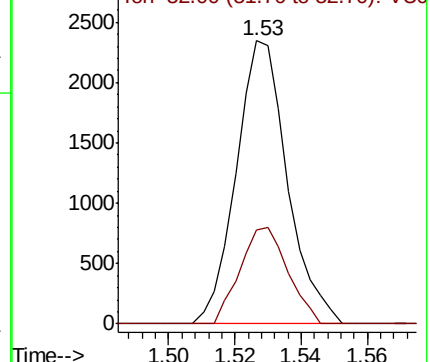
Ion Ratio Lower Upper

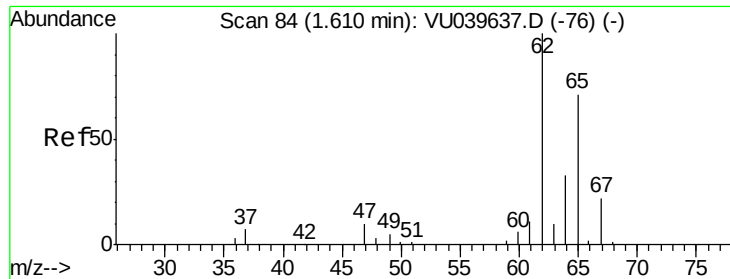
50 100

52 33.4 24.0 44.6



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





#5

Vinyl chloride

Concen: 2.295 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

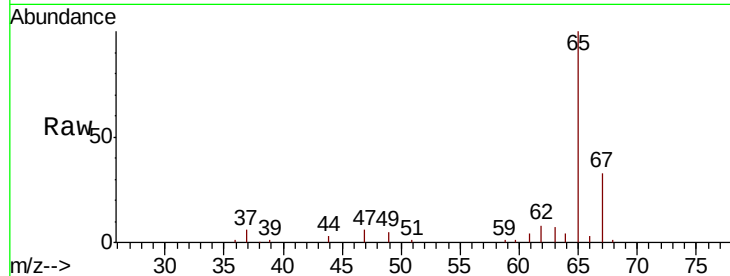
ClientSampleId :

Tot Ion: 62 Resp: 3183

Ion Ratio Lower Upper

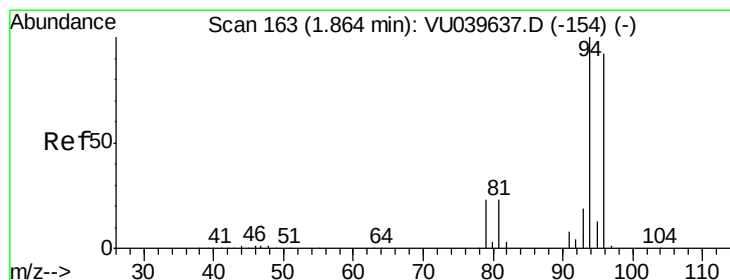
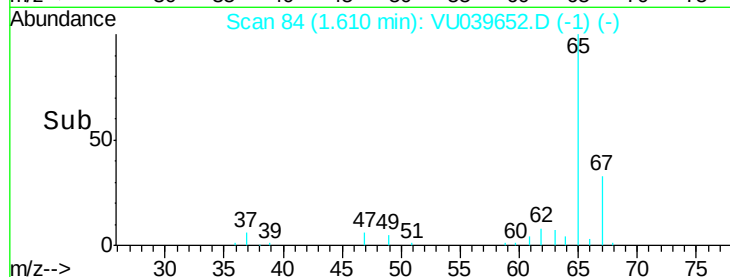
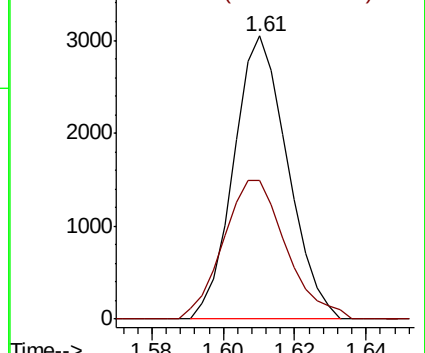
62 100

64 49.1 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: 2.265 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039652.D

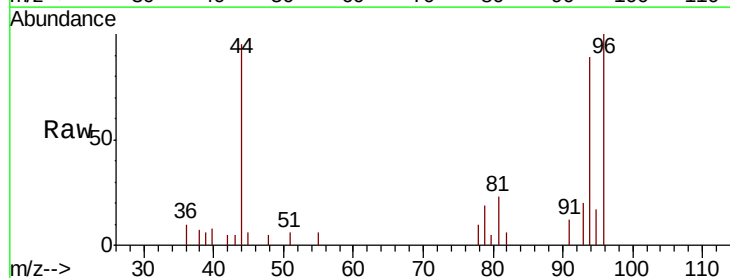
Acq: 23 Jul 2020 21:15

Tgt Ion: 94 Resp: 2361

Ion Ratio Lower Upper

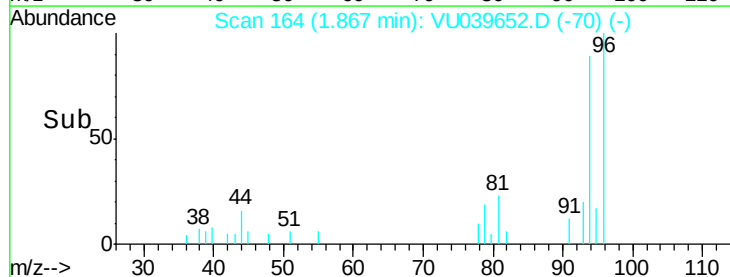
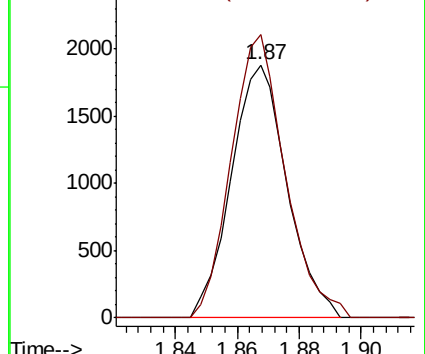
94 100

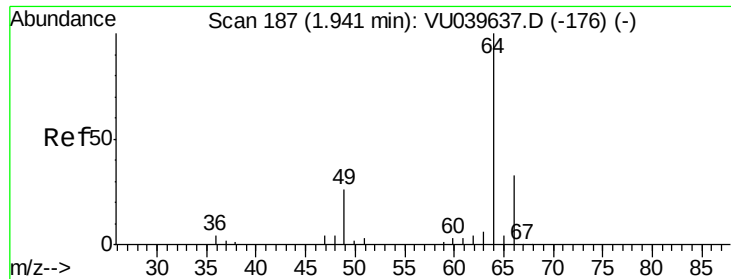
96 111.7 65.7 122.1



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

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

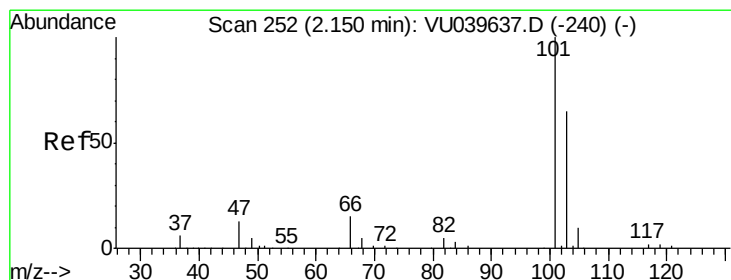
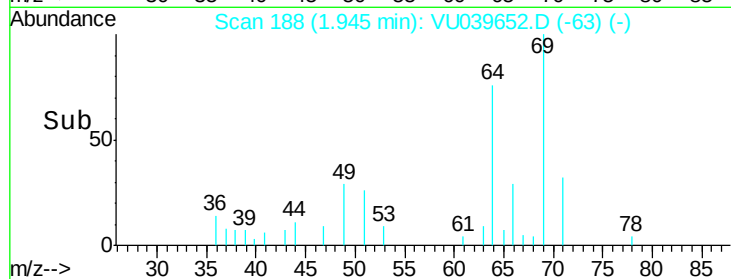
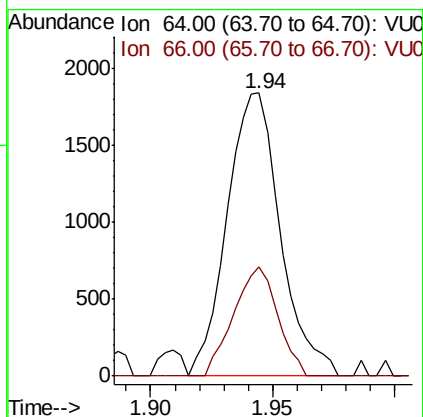
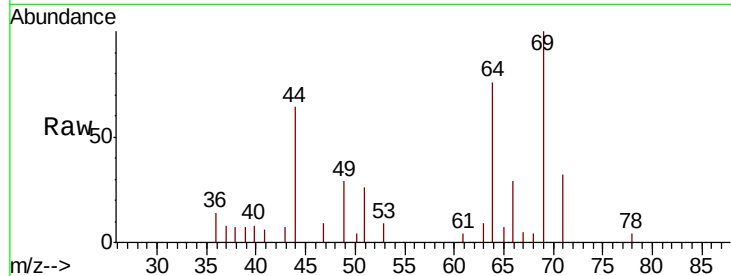




#8
Chloroethane
Concen: 2.272 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

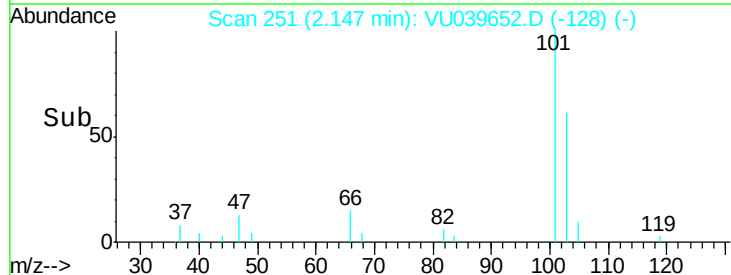
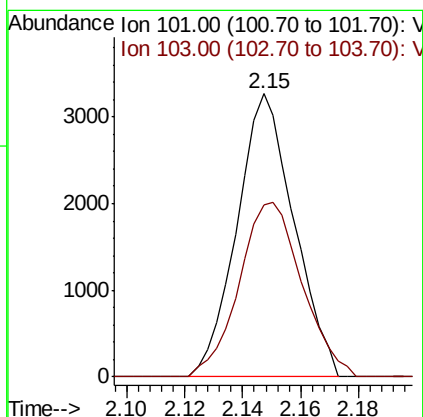
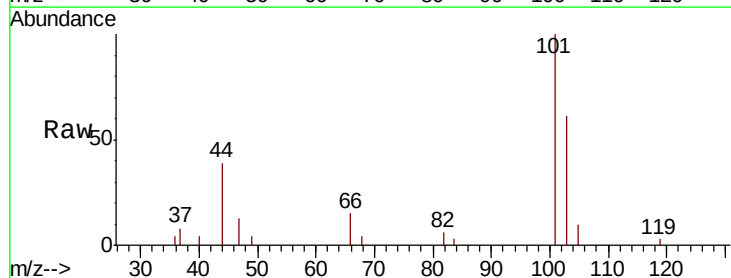
Instrument :
MSVOA_U
ClientSampleId :

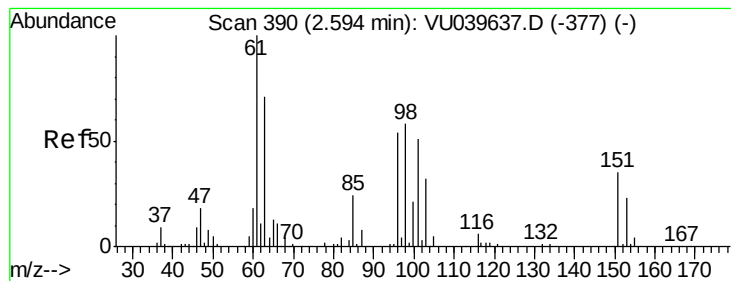
Tot Ion: 64 Resp: 2803
Ion Ratio Lower Upper
64 100
66 38.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 1.817 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 101 Resp: 4454
Ion Ratio Lower Upper
101 100
103 68.1 52.8 79.2





#10

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

Concen: 2.317 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

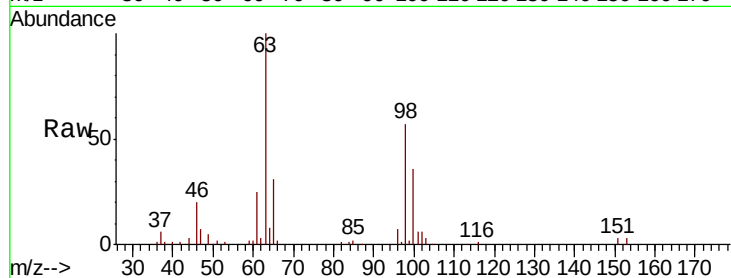
Tot Ion:101 Resp: 2734

Ion Ratio Lower Upper

101 100

85 16.1 39.7 59.5#

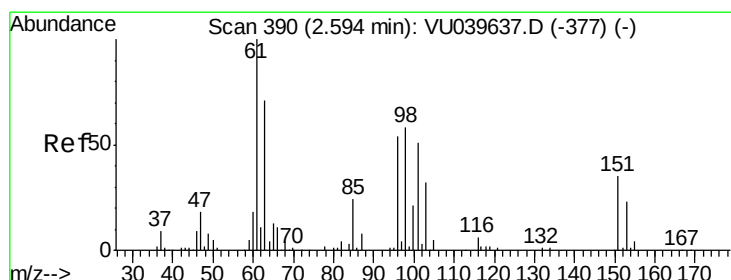
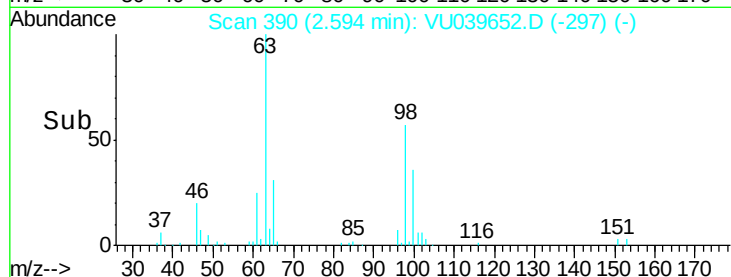
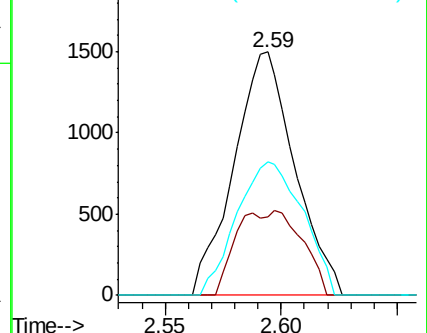
151 59.3 57.4 86.2



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: 2.581 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

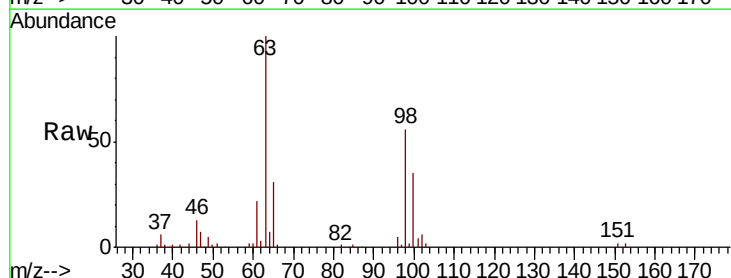
Tgt Ion: 96 Resp: 2840

Ion Ratio Lower Upper

96 100

61 450.3 136.6 253.6#

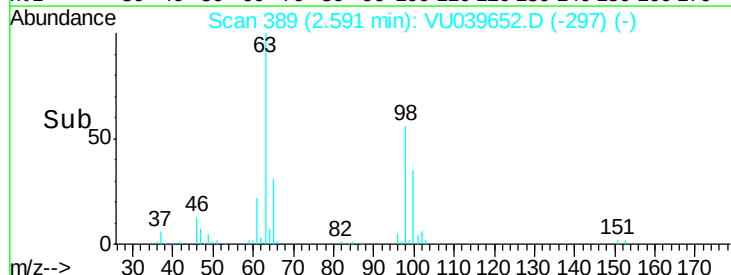
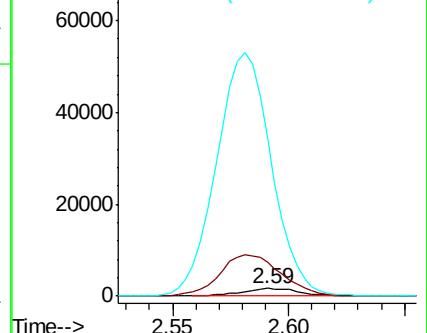
63 2091.8 97.2 180.6#

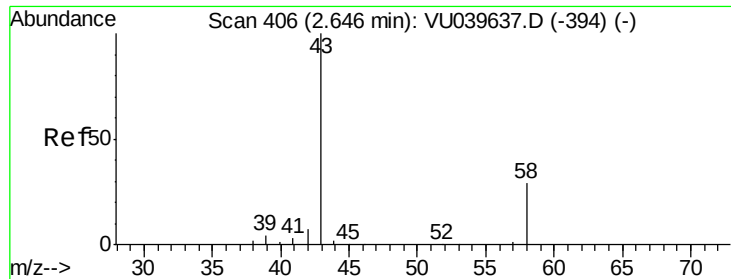


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.791 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

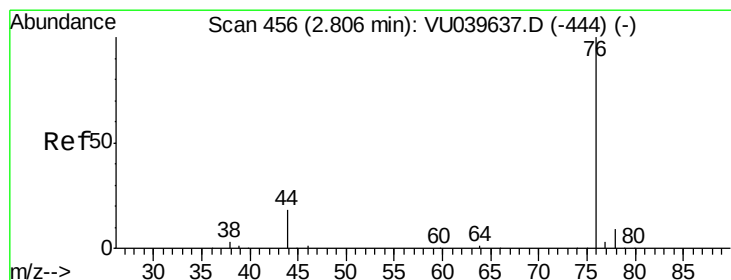
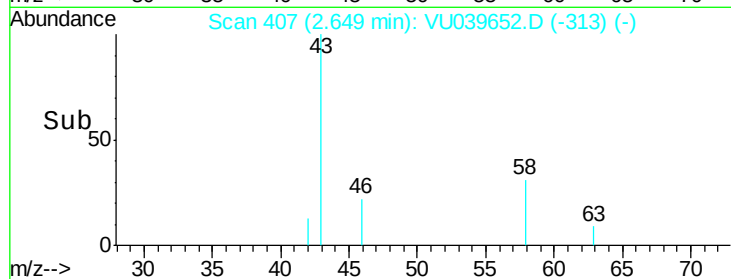
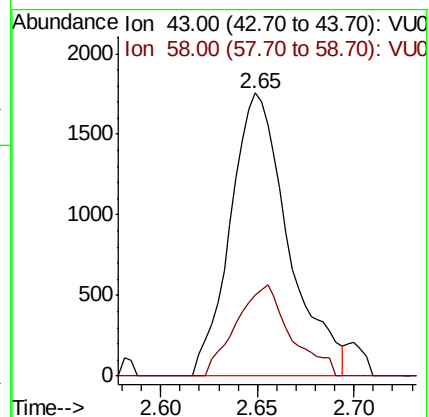
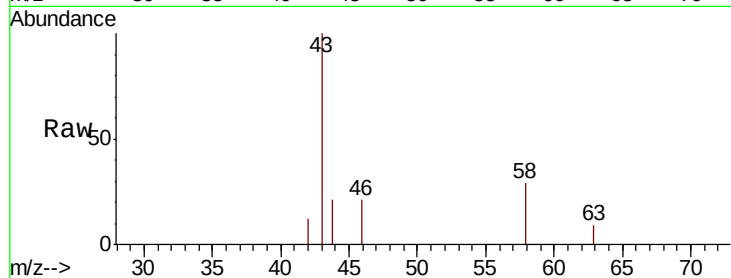
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3657

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.4



#14

Carbon disulfide

Concen: 1.861 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039652.D

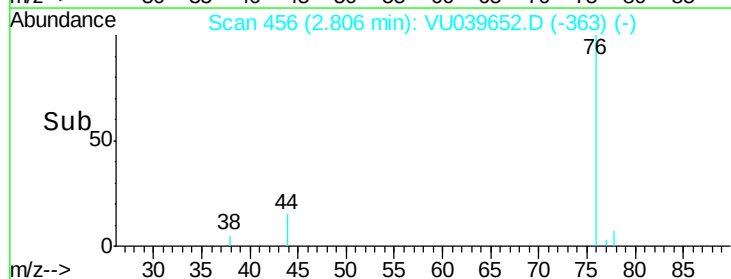
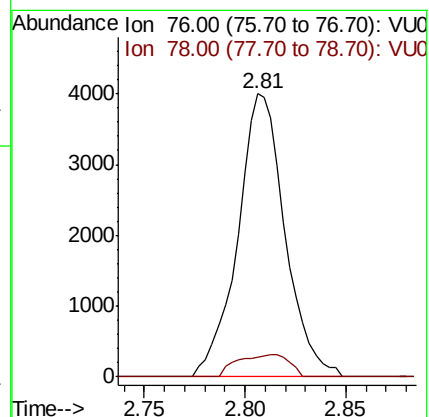
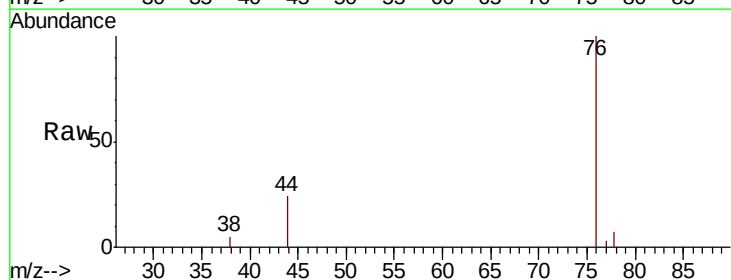
Acq: 23 Jul 2020 21:15

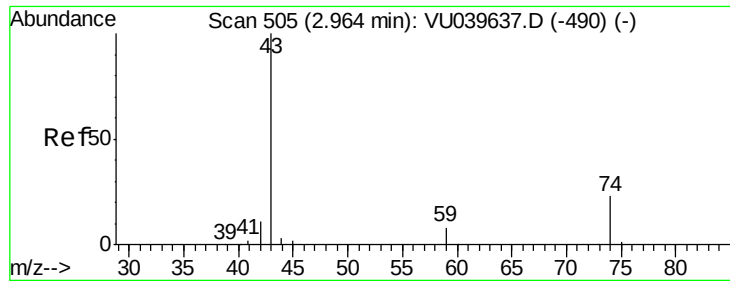
Tgt Ion: 76 Resp: 6551

Ion Ratio Lower Upper

76 100

78 7.0 7.3 10.9#

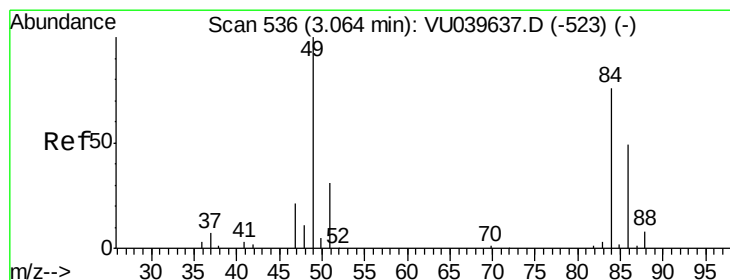
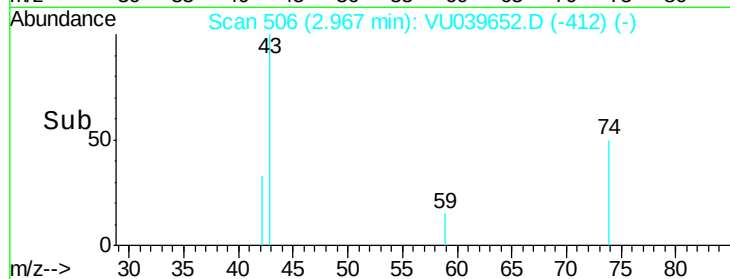
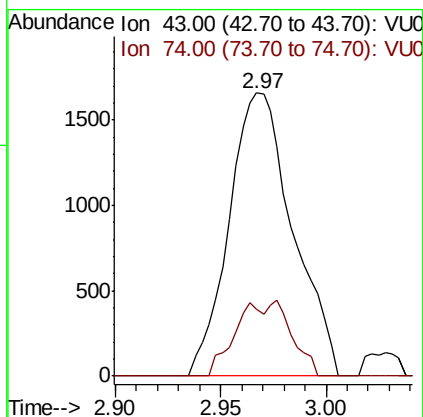
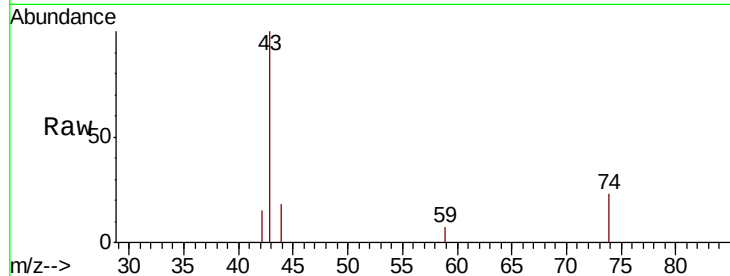




#15
Methyl Acetate
Concen: 2.014 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

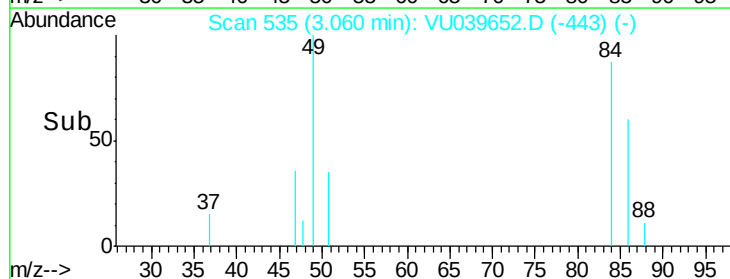
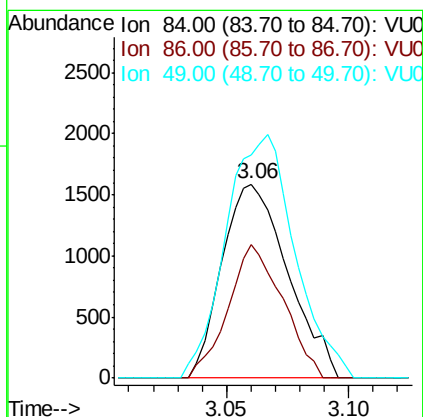
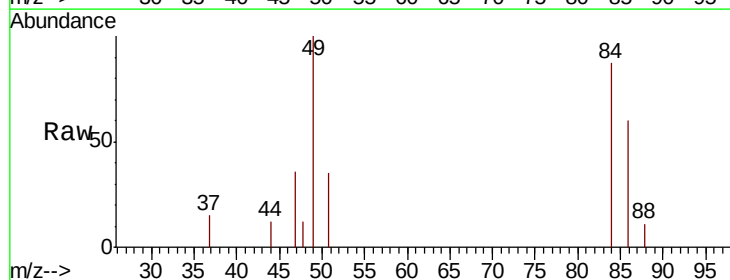
Instrument :
MSVOA_U
ClientSampleId :

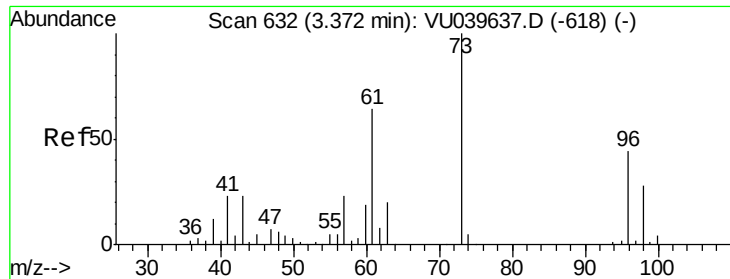
Tot Ion: 43 Resp: 3481
Ion Ratio Lower Upper
43 100
74 12.4 17.4 26.0#



#16
Methylene chloride
Concen: 2.256 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 84 Resp: 2973
Ion Ratio Lower Upper
84 100
86 68.9 46.2 85.8
49 115.1 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 1.897 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

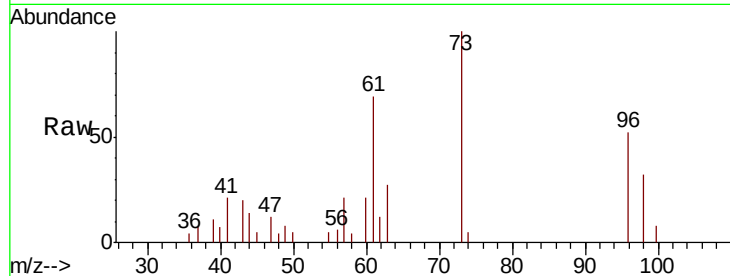
Tot Ion: 96 Resp: 2322

Ion Ratio Lower Upper

96 100

61 130.9 106.7 198.1

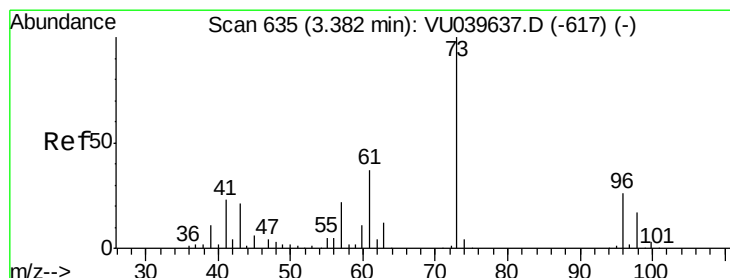
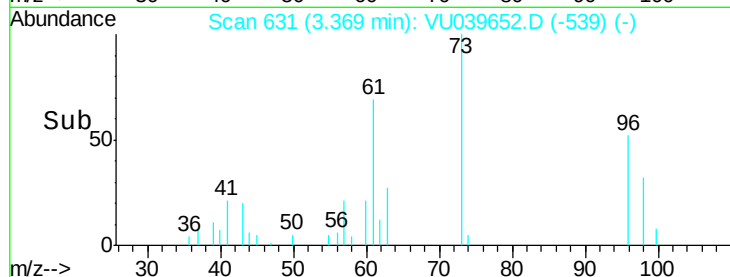
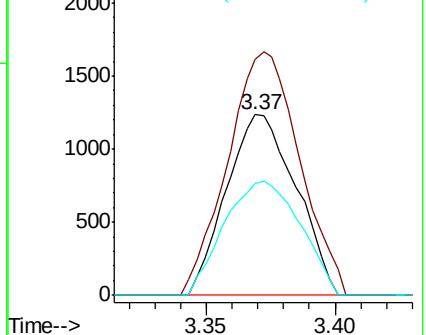
98 61.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU039637.D (-618) (-)

Ion 61.00 (60.70 to 61.70): VU039637.D (-618) (-)

Ion 98.00 (97.70 to 98.70): VU039637.D (-618) (-)



#18

Methyl tert-butyl Ether

Concen: 1.860 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

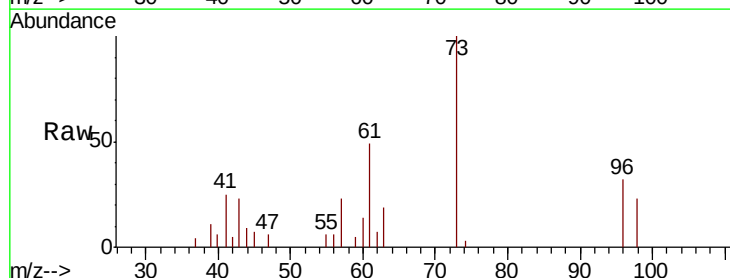
Tgt Ion: 73 Resp: 7358

Ion Ratio Lower Upper

73 100

43 26.1 18.2 27.2

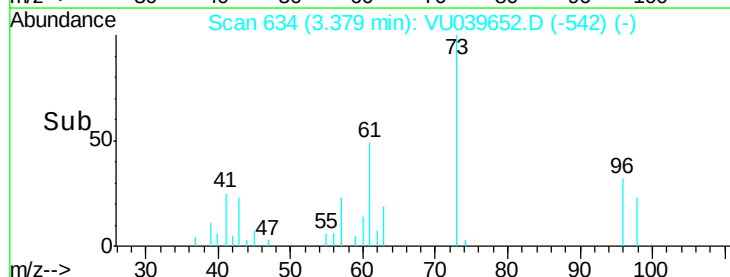
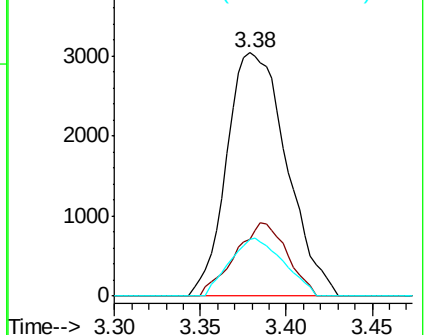
57 21.4 17.4 26.2

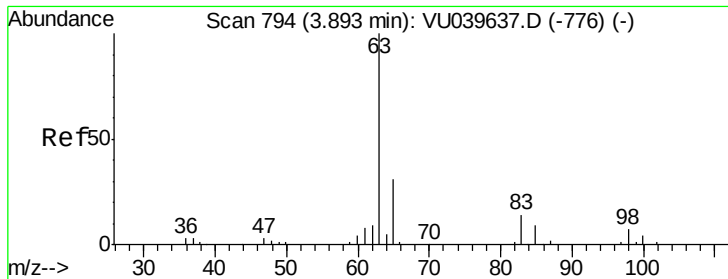


Abundance Ion 73.00 (72.70 to 73.70): VU039637.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU039637.D (-617) (-)

Ion 57.00 (56.70 to 57.70): VU039637.D (-617) (-)

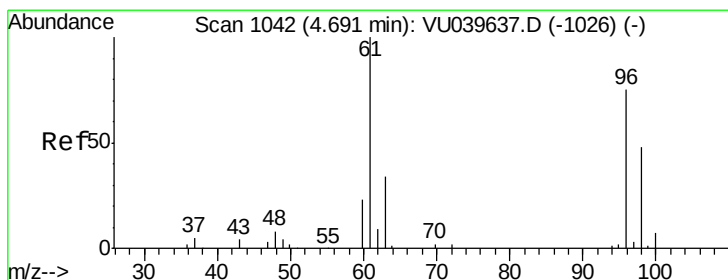
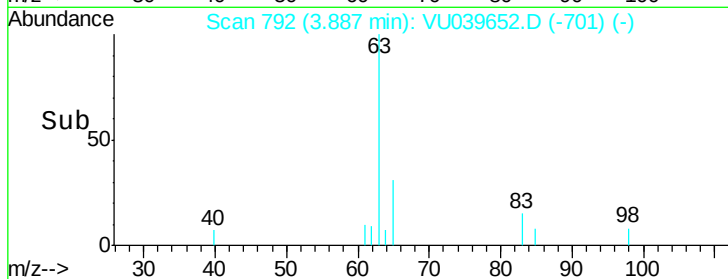
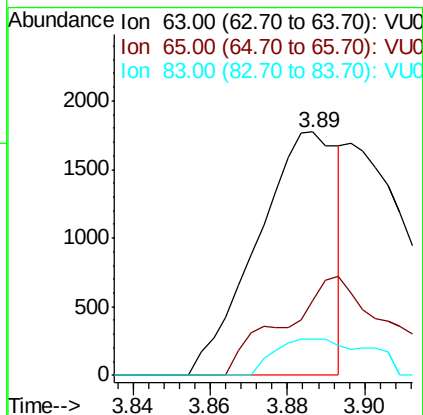
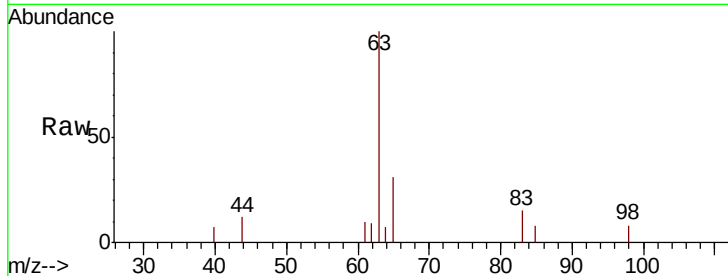




#19
 1,1-Dichloroethane
 Concen: 1.074 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

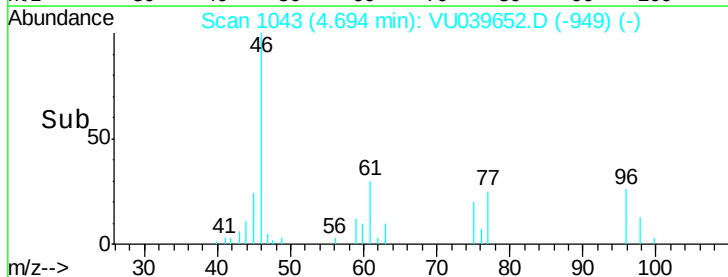
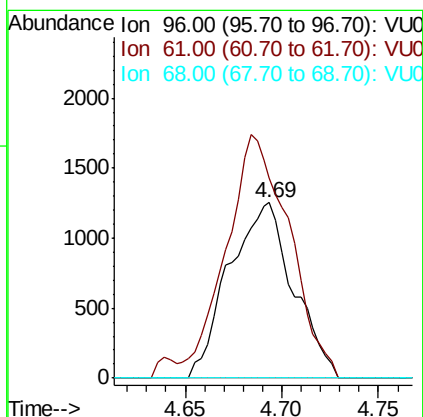
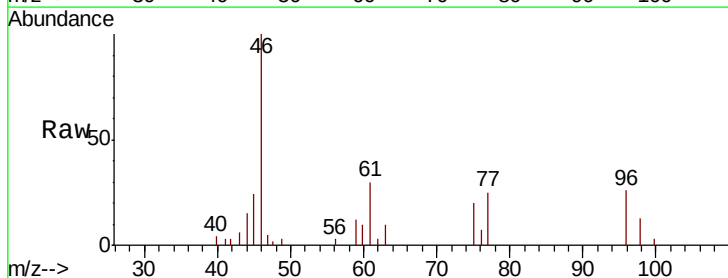
Instrument :
 MSVOA_U
 ClientSampled :

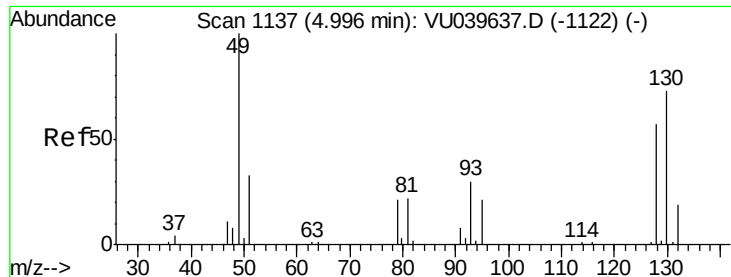
Tot Ion: 63 Resp: 2567
 Ion Ratio Lower Upper
 63 100
 65 30.7 20.4 38.0
 83 14.9 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.071 ug/L
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Tgt Ion: 96 Resp: 2898
 Ion Ratio Lower Upper
 96 100
 61 113.9 94.0 174.6
 68 0.0 0.0 0.0

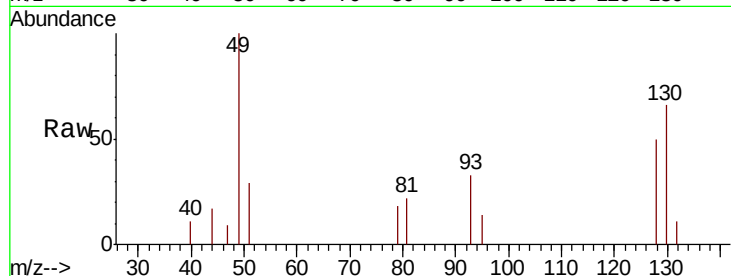




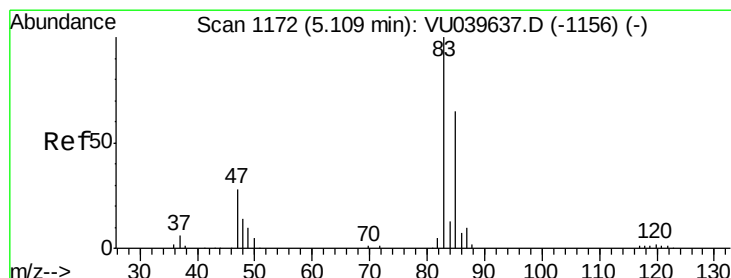
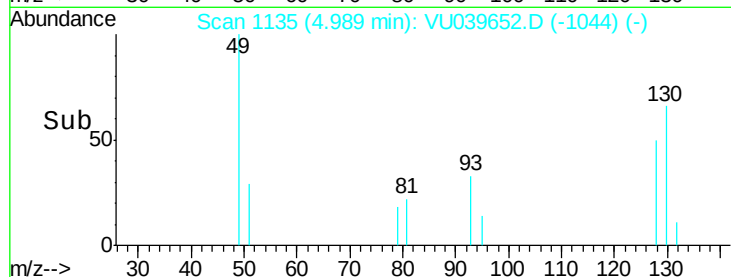
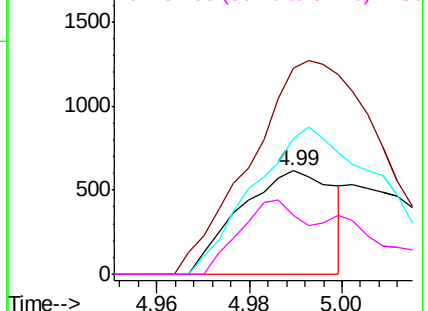
#23
Bromochloromethane
Concen: 1.233 ug/L
RT: 4.99 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 867
Ion Ratio Lower Upper
128 100
49 199.3 124.5 231.3
130 131.8 94.4 175.2
51 57.0 43.5 65.3

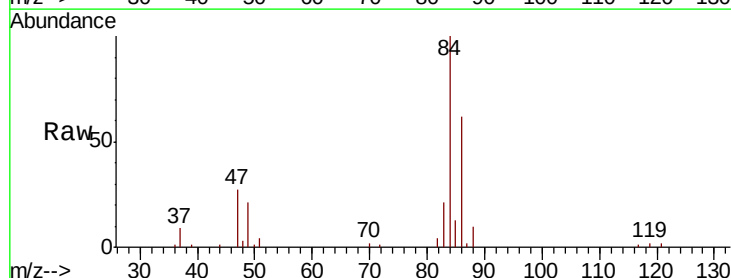


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VU0

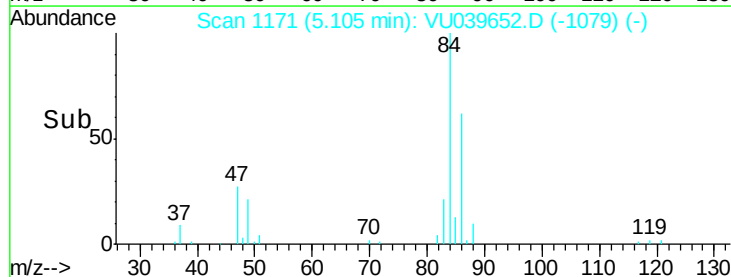
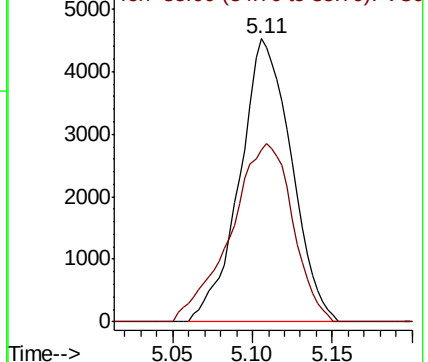


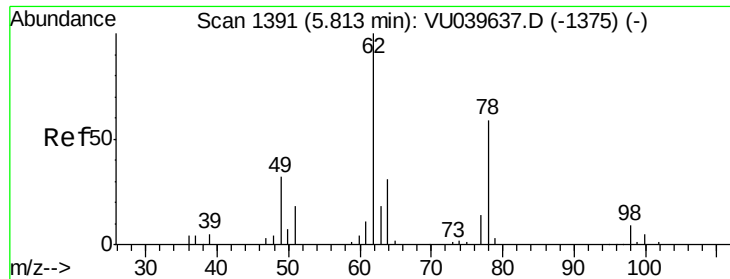
#25
Chloroform
Concen: 3.780 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 83 Resp: 10016
Ion Ratio Lower Upper
83 100
85 60.7 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: 2.102 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

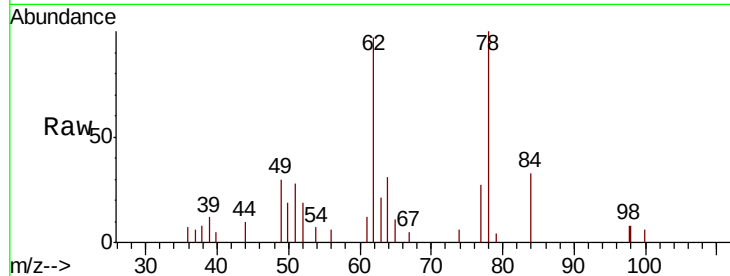
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 4620

Ion Ratio Lower Upper

62 100

98 16.5 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-1375) (-)

Ion 98.00 (97.70 to 98.70): VU039637.D (-1375) (-)

2500

2000

1500

1000

500

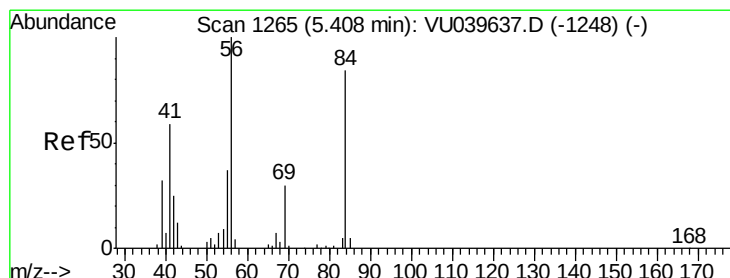
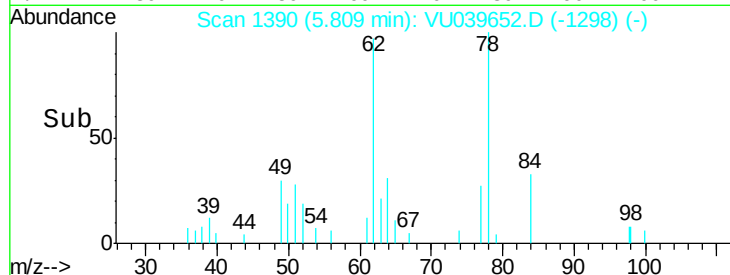
0

5.75

5.80

5.85

Time-->



#29

Cyclohexane

Concen: 1.961 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

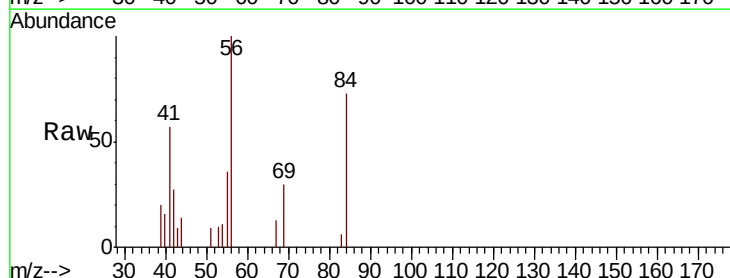
Tgt Ion: 56 Resp: 3853

Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

84 82.4 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VU039637.D (-1248) (-)

Ion 69.00 (68.70 to 69.70): VU039637.D (-1248) (-)

Ion 84.00 (83.70 to 84.70): VU039637.D (-1248) (-)

2000

1500

1000

500

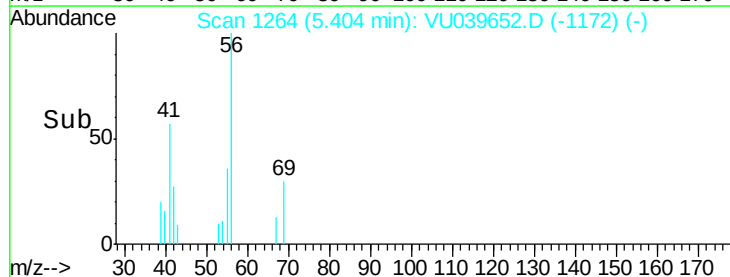
0

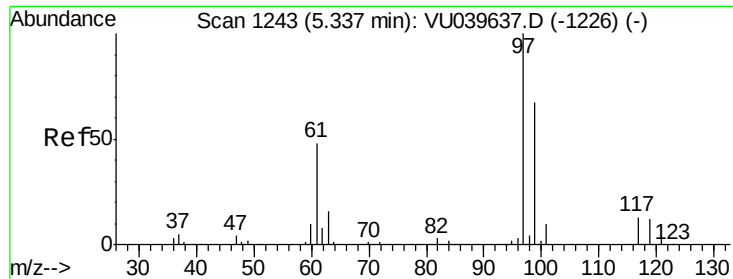
5.35

5.40

5.45

Time-->

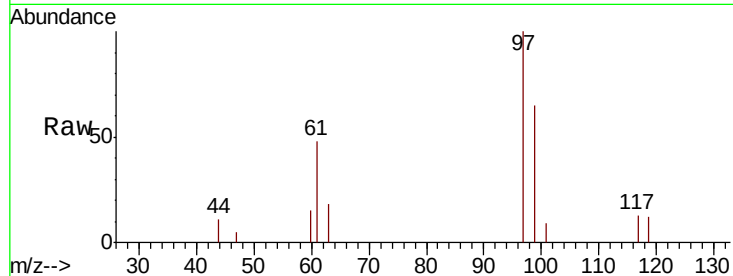




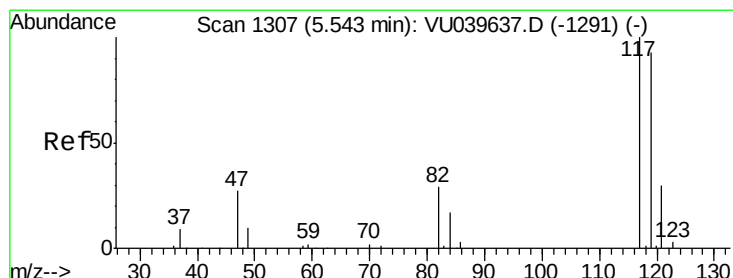
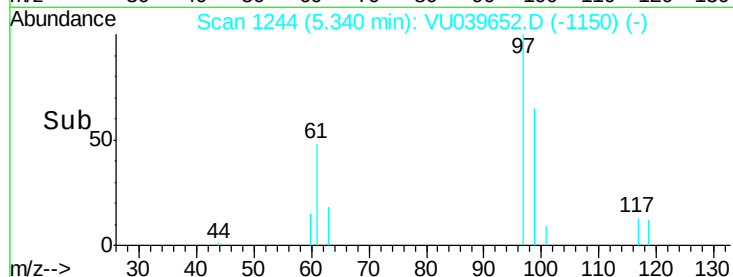
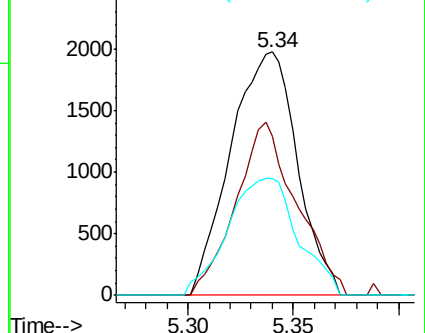
#30
 1,1,1-Trichloroethane
 Concen: 2.007 ug/L
 RT: 5.34 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 4345
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.3 75.5
 61 50.8 36.0 54.0

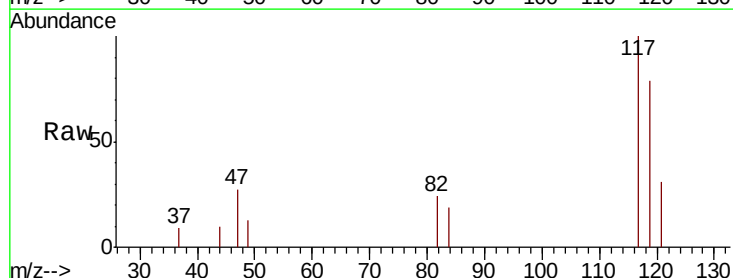


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

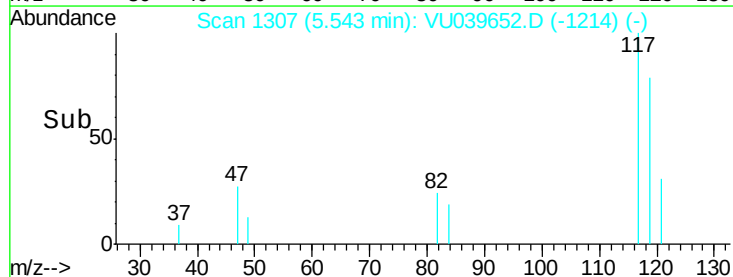
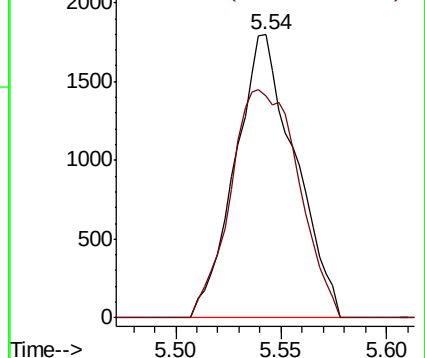


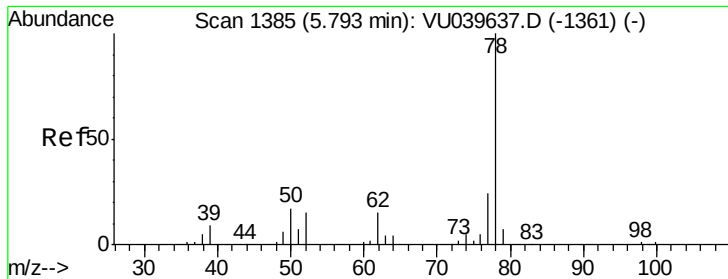
#31
 Carbon tetrachloride
 Concen: 1.973 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Tgt Ion: 117 Resp: 3544
 Ion Ratio Lower Upper
 117 100
 119 92.1 78.2 117.4



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





#33

Benzene

Concen: 2.002 ug/L

RT: 5.79 min Scan# 1384

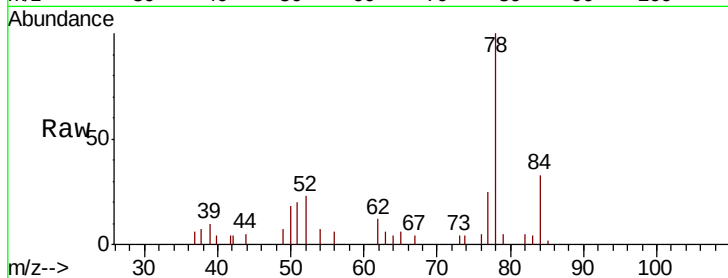
Delta R.T. -0.00 min

Lab File: VU039652.D

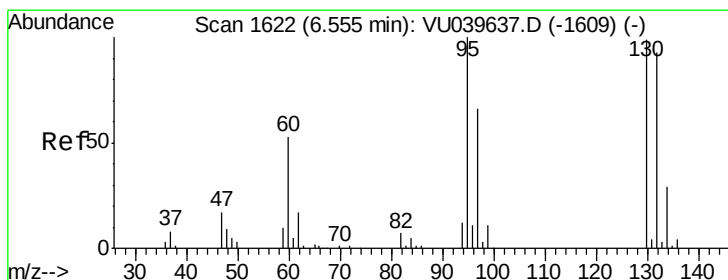
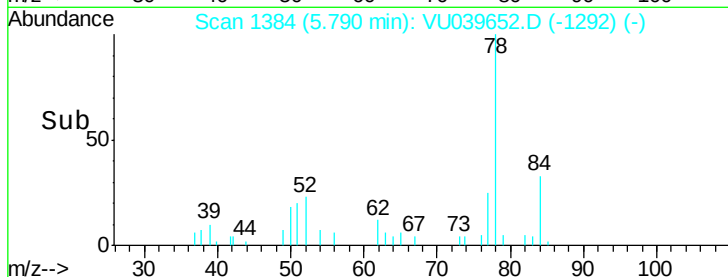
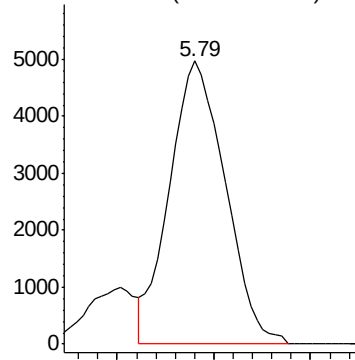
Acq: 23 Jul 2020 21:15

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 9979



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.247 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Tgt Ion: 95 Resp: 2962

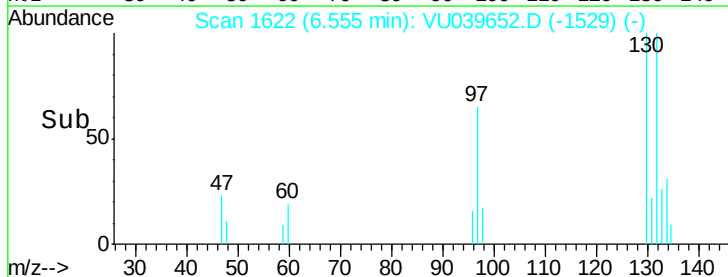
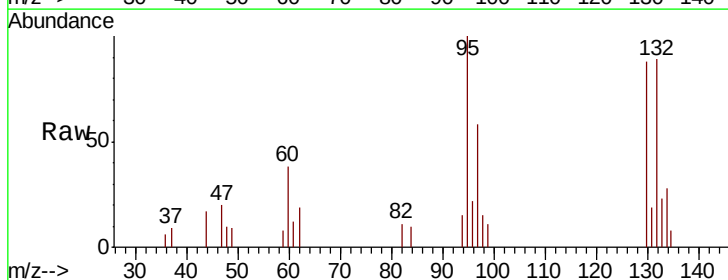
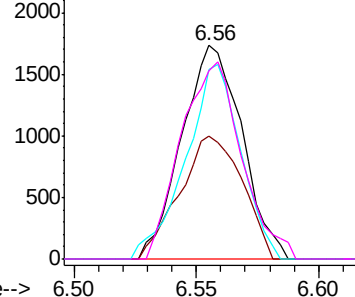
Ion	Ratio	Lower	Upper
95	100		
97	57.6	45.5	84.5
132	88.5	65.0	120.6
130	88.3	67.9	126.1

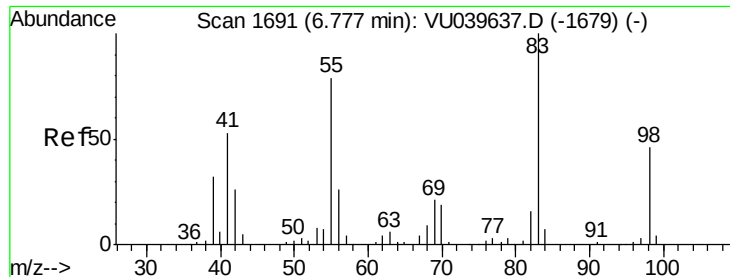
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

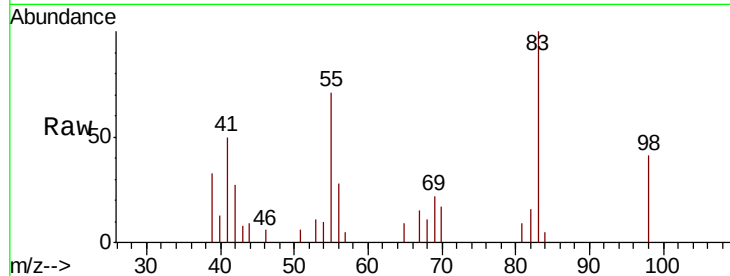




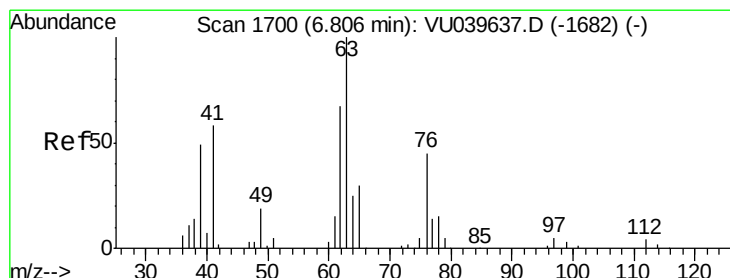
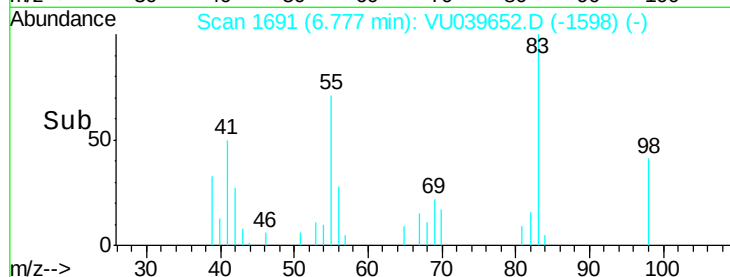
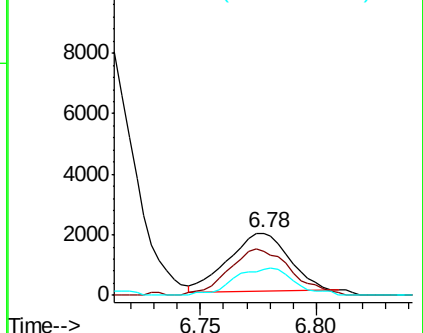
#35
Methylvlcyclohexane
Concen: 1.719 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3503
Ion Ratio Lower Upper
83 100
55 82.1 62.9 94.3
98 20.0 36.3 54.5#

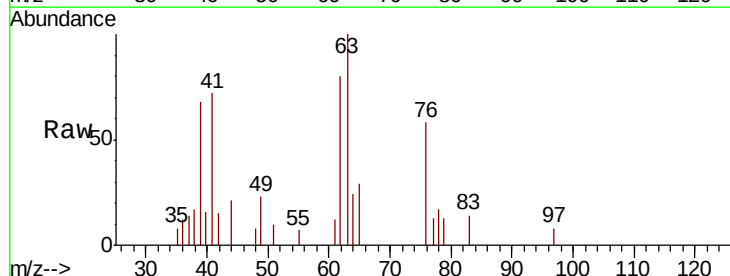


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

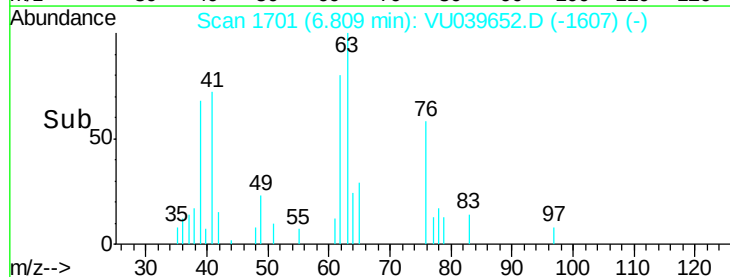
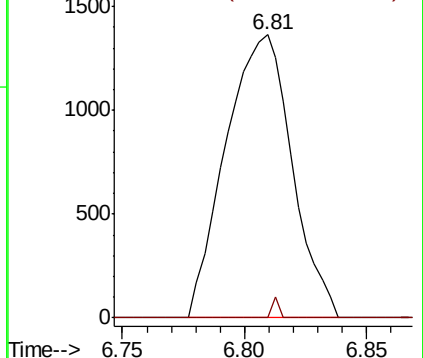


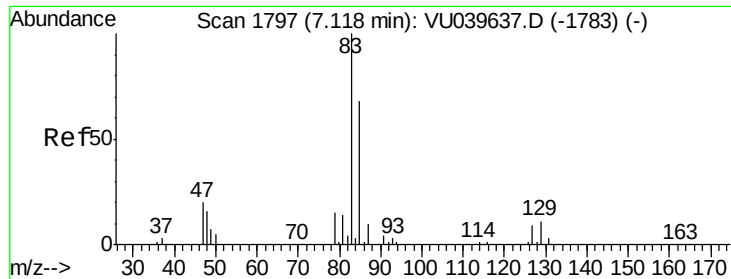
#37
1,2-Dichloropropane
Concen: 1.905 ug/L
RT: 6.81 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 63 Resp: 2570
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



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





#38

Bromodichloromethane

Concen: 2.008 ug/L

RT: 7.12 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

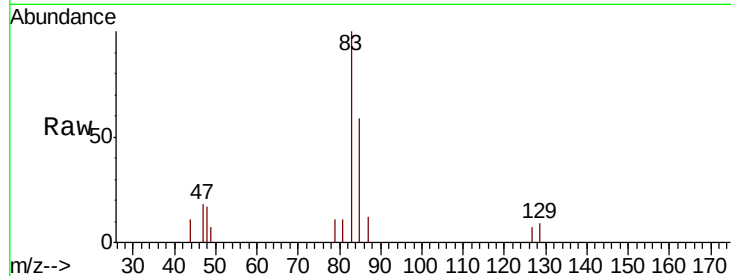
Tot Ion: 83 Resp: 3599

Ion Ratio Lower Upper

83 100

85 59.0 45.9 85.3

127 7.1 7.4 11.2#

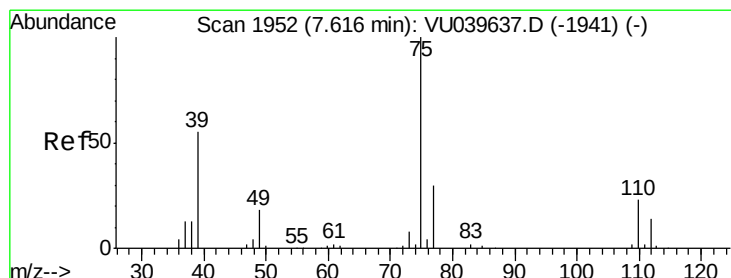
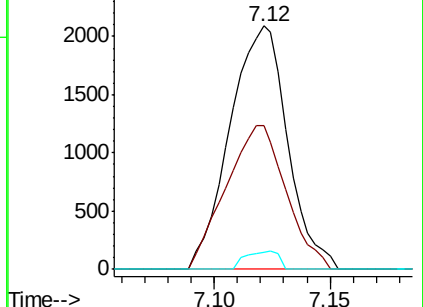
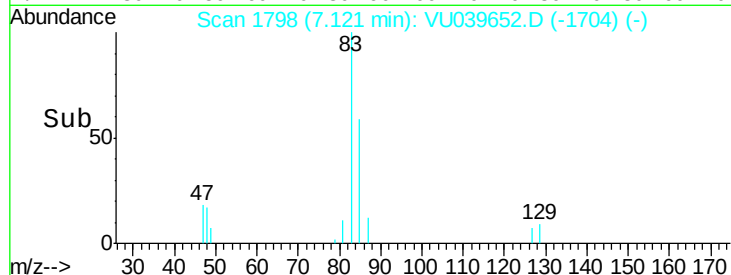


Abundance Ion 83.00 (82.70 to 83.70): VU039652.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU039652.D (-1704) (-)

Ion 127.00 (126.70 to 127.70): VU039652.D (-1704) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.988 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039652.D

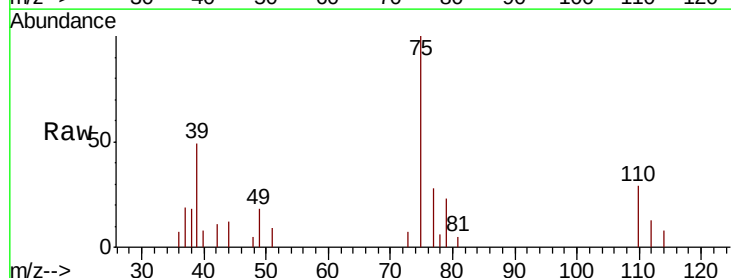
Acq: 23 Jul 2020 21:15

Tgt Ion: 75 Resp: 4010

Ion Ratio Lower Upper

75 100

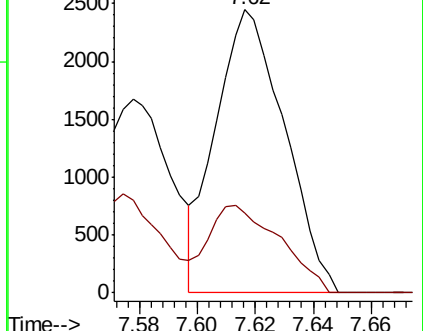
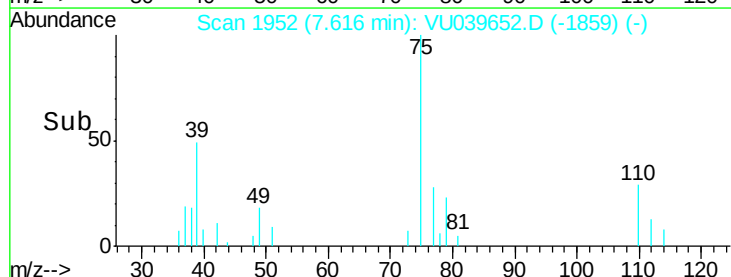
77 28.3 21.8 40.6

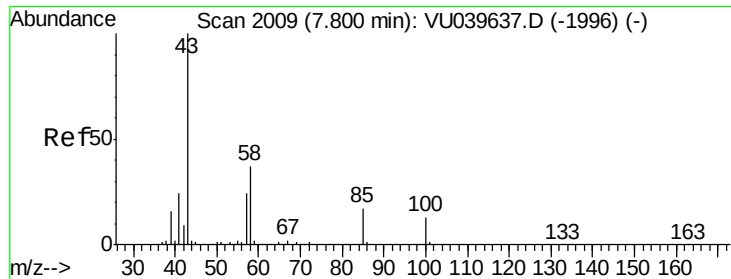


Abundance Ion 75.00 (74.70 to 75.70): VU039652.D (-1859) (-)

Ion 77.00 (76.70 to 77.70): VU039652.D (-1859) (-)

Time-->

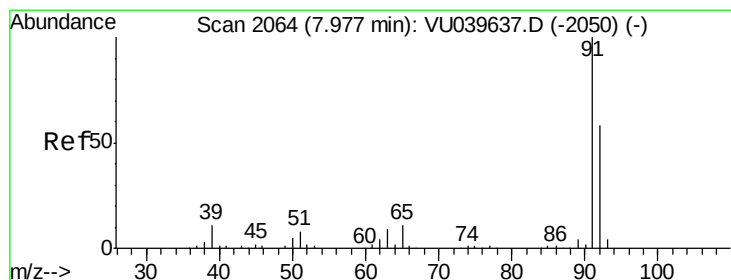
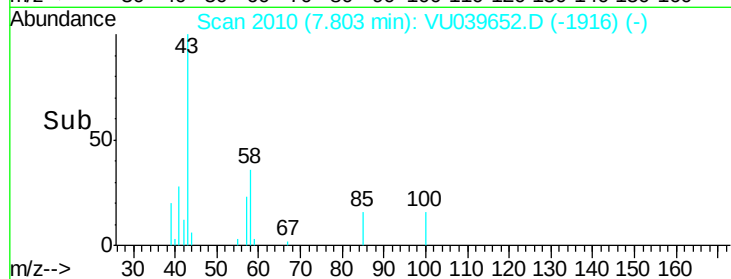
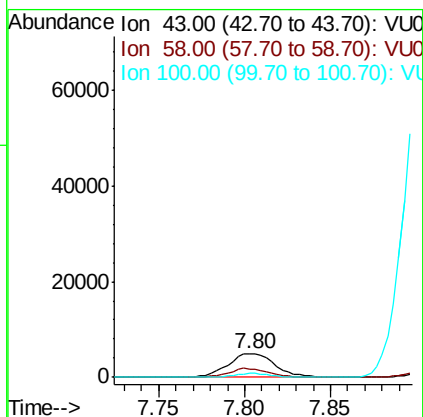
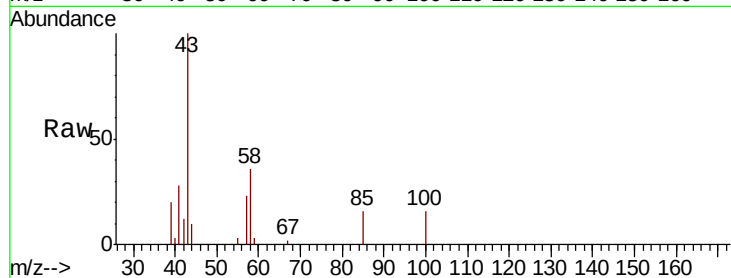




#40
4-Methyl-2-pentanone
Concen: 3.993 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

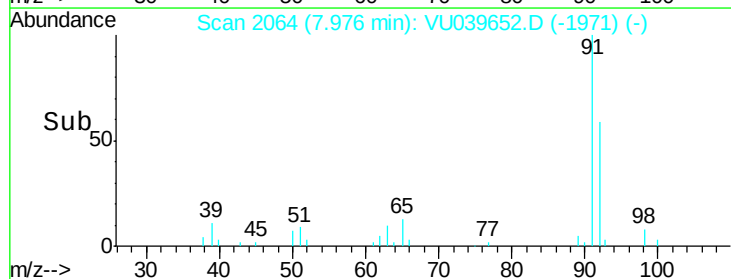
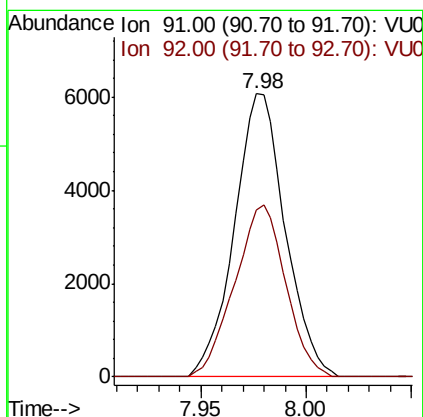
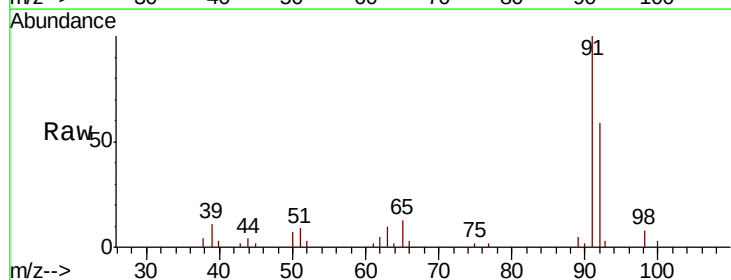
Instrument :
MSVOA_U
ClientSampled :

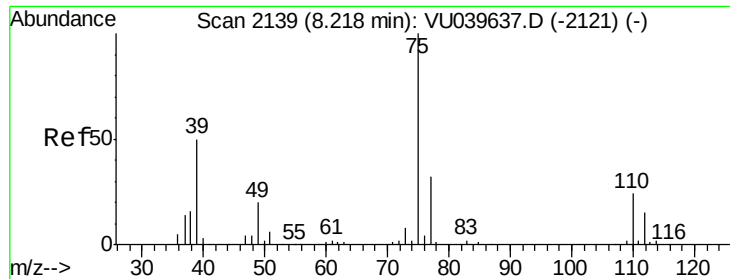
Tot Ion: 43 Resp: 9386
Ion Ratio Lower Upper
43 100
58 31.1 29.1 43.7
100 13.0 10.6 16.0



#42
Toluene
Concen: 1.854 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 91 Resp: 10162
Ion Ratio Lower Upper
91 100
92 59.1 40.1 74.5

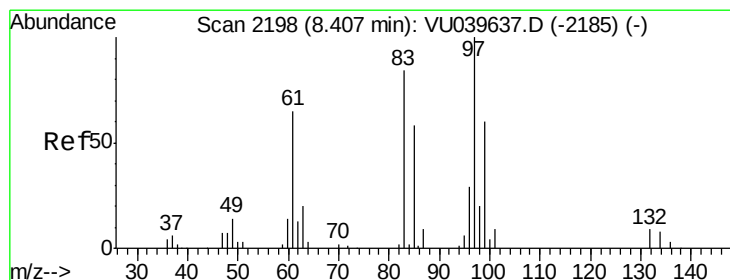
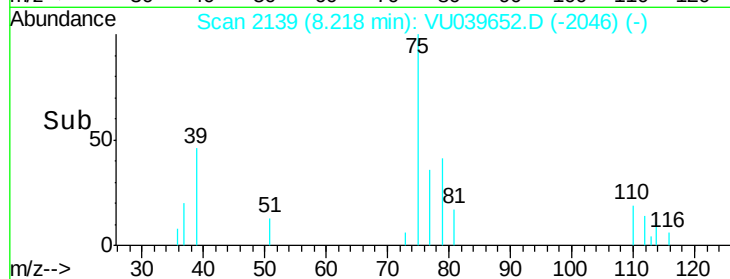
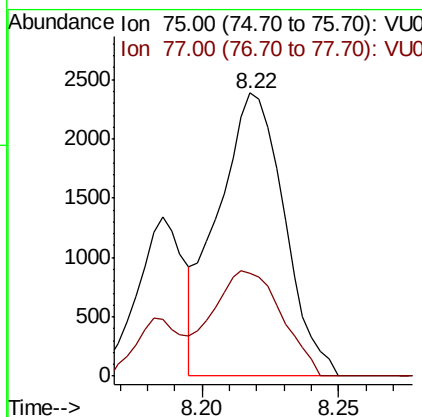
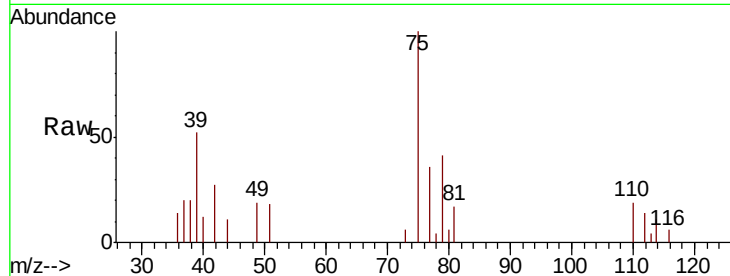




#44
trans-1,3-Dichloropropene
Concen: 2.039 ug/L
RT: 8.22 min Scan# 2139
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

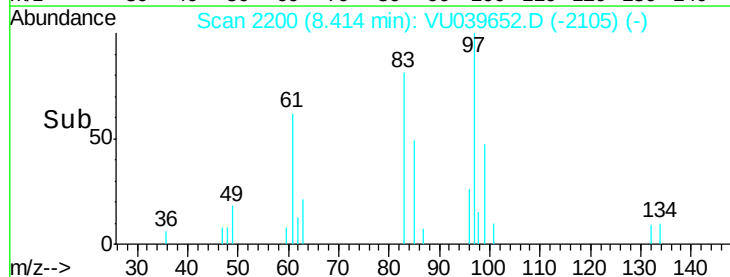
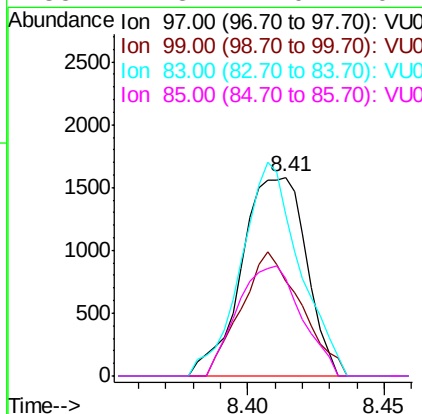
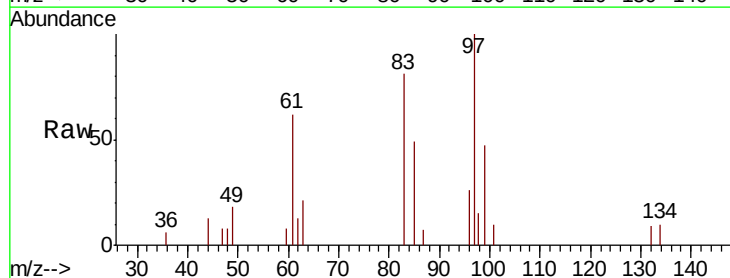
Instrument :
MSVOA_U
ClientSampleId :

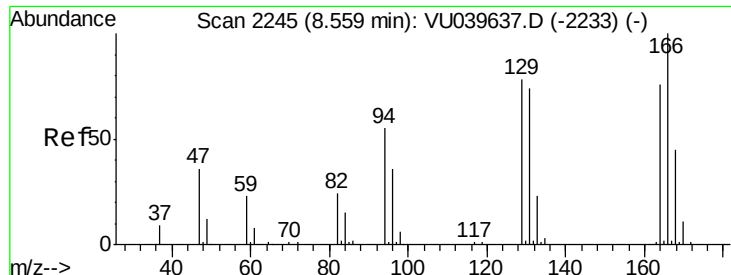
Tot Ion: 75 Resp: 4026
Ion Ratio Lower Upper
75 100
77 36.3 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 2.024 ug/L
RT: 8.41 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 97 Resp: 2604
Ion Ratio Lower Upper
97 100
99 41.3 45.1 83.9#
83 70.6 62.7 116.5
85 42.3 41.0 76.2

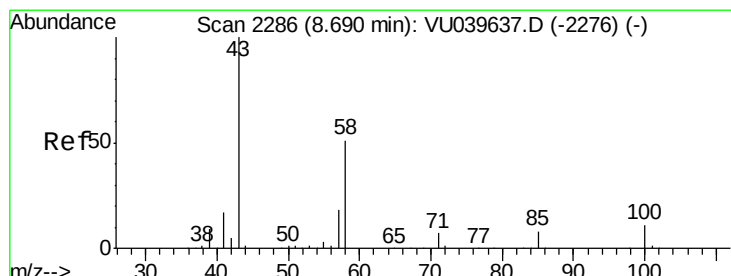
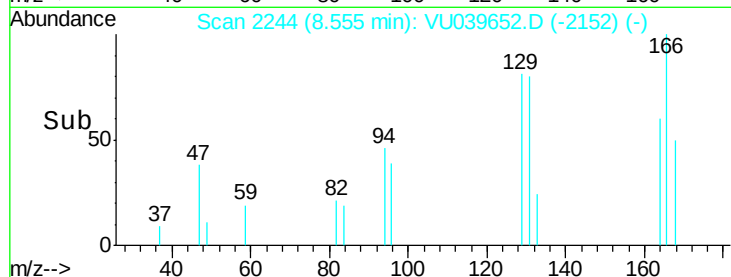
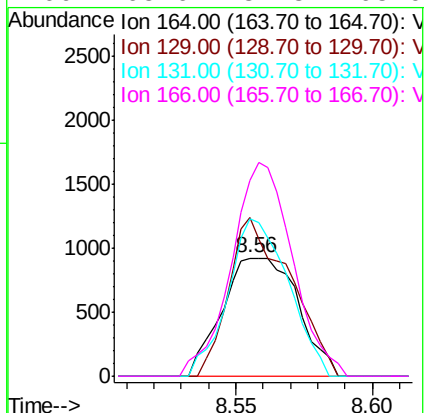
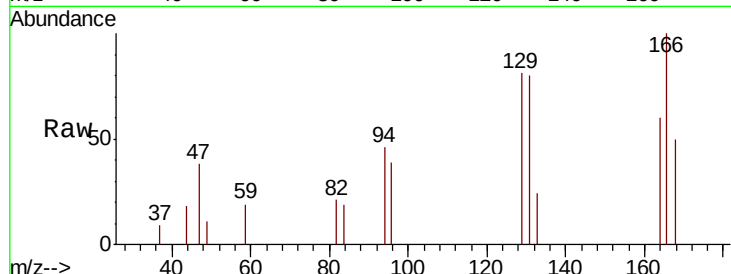




#46
Tetrachloroethene
Concen: 1.785 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

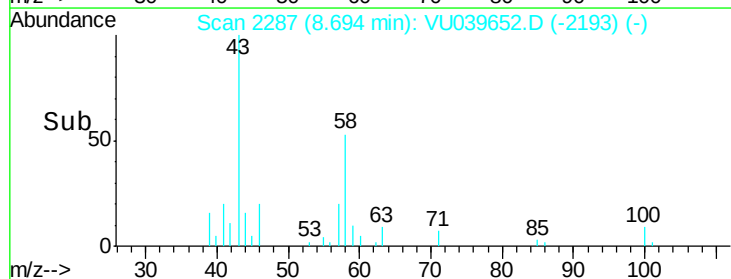
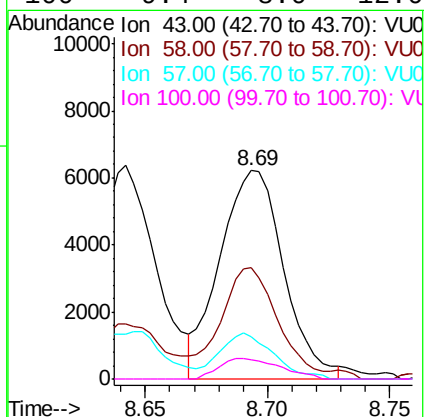
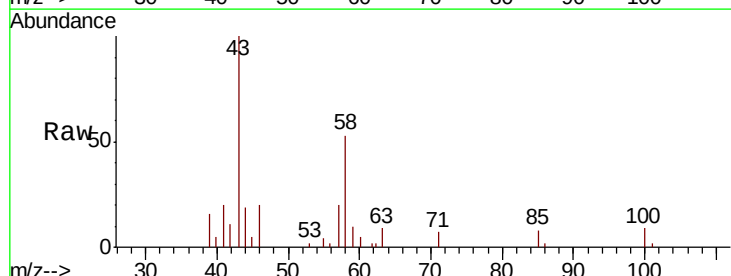
Instrument :
MSVOA_U
ClientSampled :

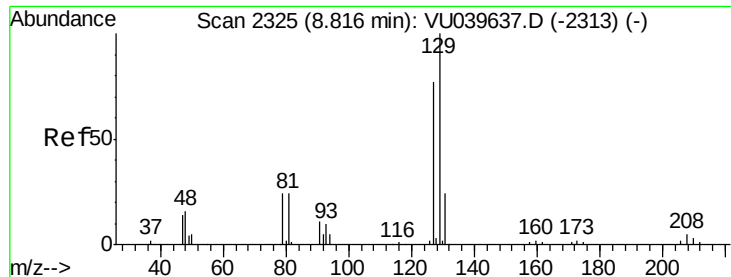
Tot Ion:164 Resp: 1780
Ion Ratio Lower Upper
164 100
129 133.9 71.1 132.1#
131 132.8 70.3 130.5#
166 165.6 87.8 163.0#



#48
2-Hexanone
Concen: 5.921 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 43 Resp: 11341
Ion Ratio Lower Upper
43 100
58 42.6 40.6 61.0
57 18.6 14.5 21.7
100 9.4 8.0 12.0

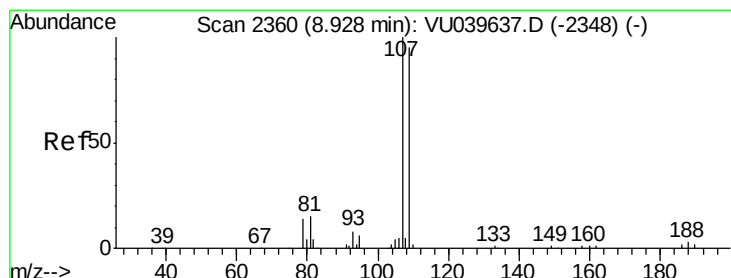
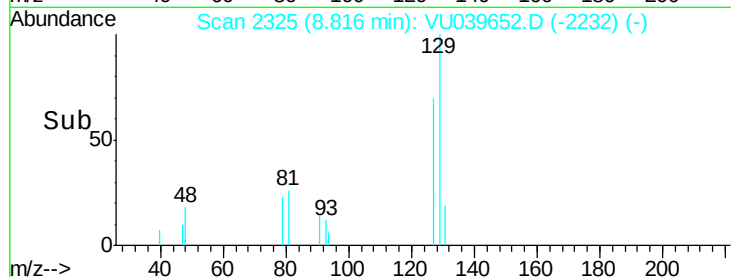
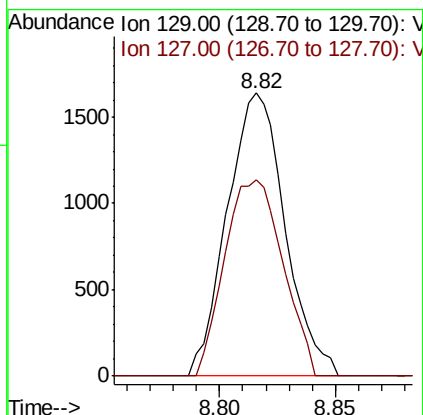
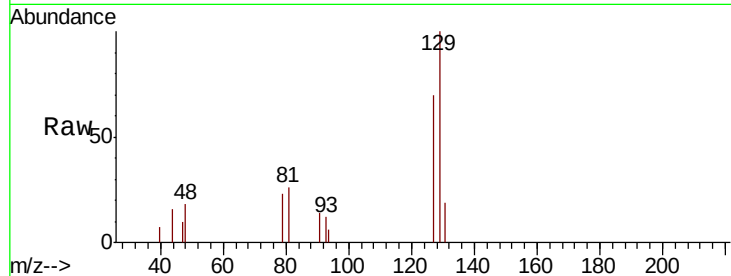




#49
 Dibromochloromethane
 Concen: 1.962 ug/L
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

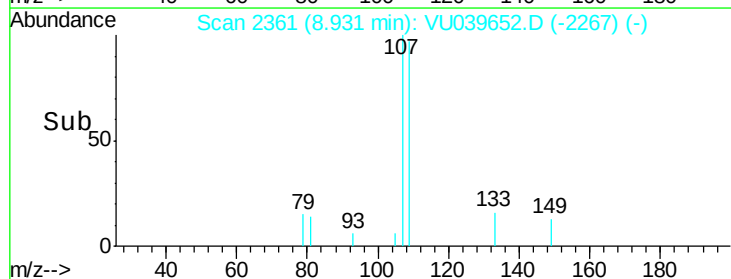
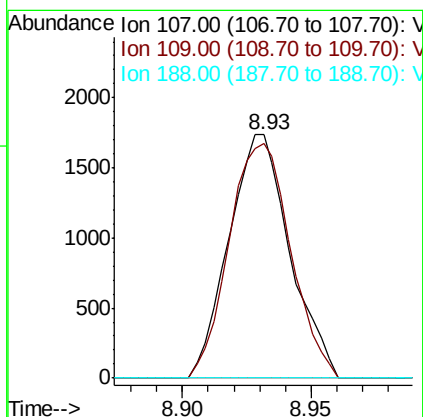
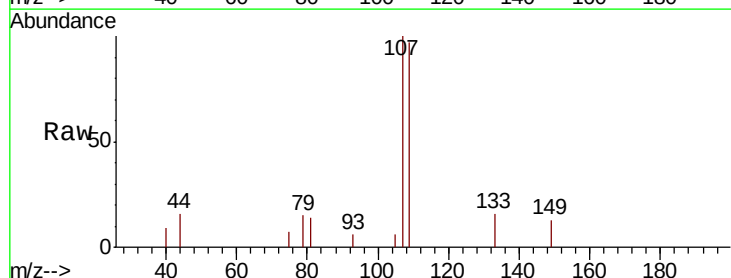
Instrument :
 MSVOA_U
 ClientSampleId :

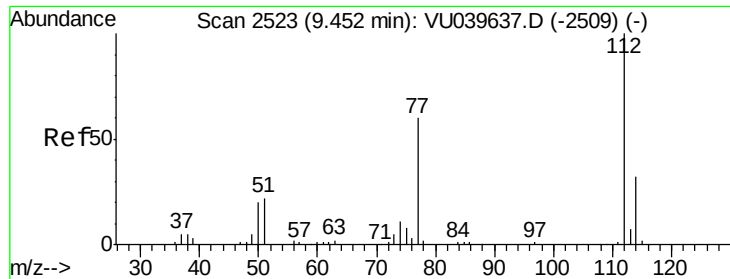
Tot Ion:129 Resp: 2850
 Ion Ratio Lower Upper
 129 100
 127 69.6 54.3 100.9



#50
 1,2-Dibromoethane
 Concen: 1.995 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Tgt Ion:107 Resp: 2856
 Ion Ratio Lower Upper
 107 100
 109 96.5 66.8 124.2
 188 0.0 3.0 4.4#

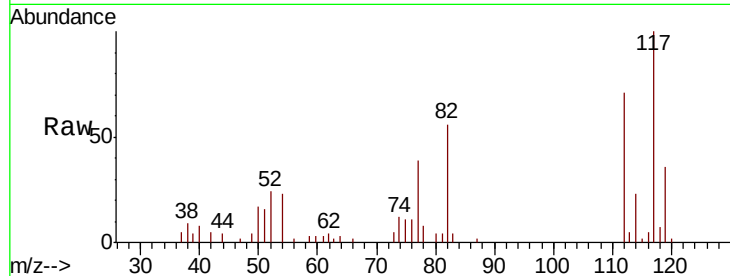




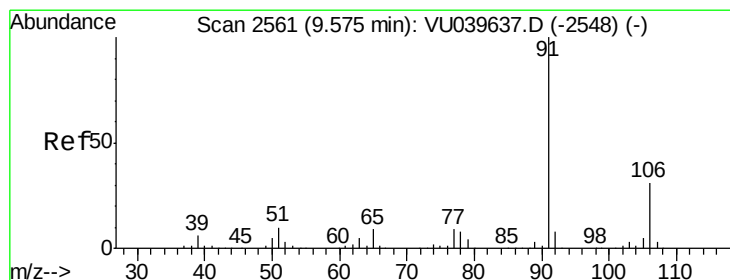
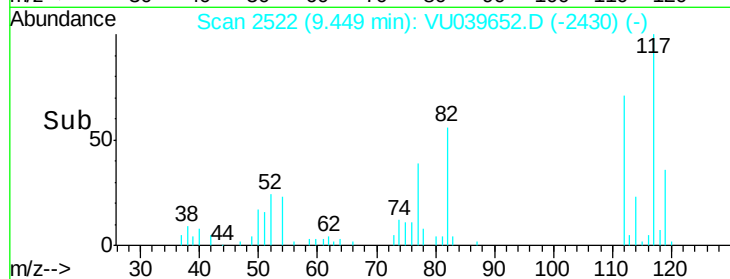
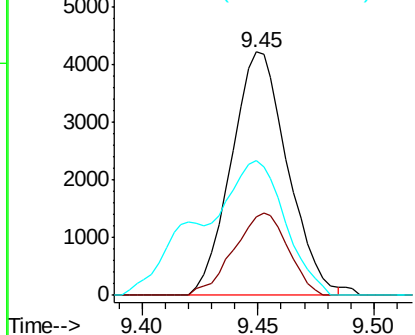
#51
Chlorobenzene
Concen: 2.028 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 7091
Ion Ratio Lower Upper
112 100
114 32.5 22.9 42.5
77 55.2 49.4 74.0

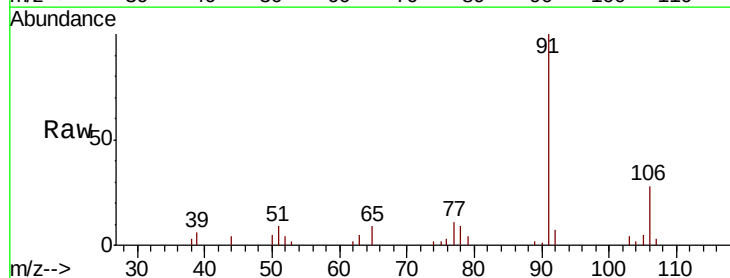


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

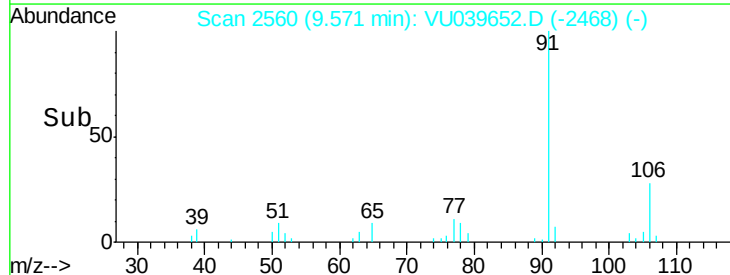
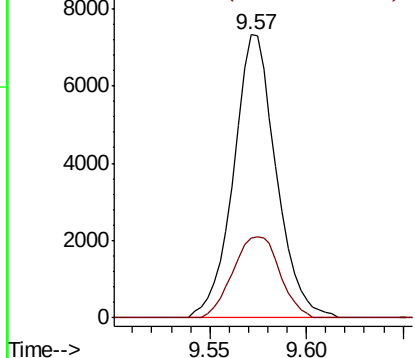


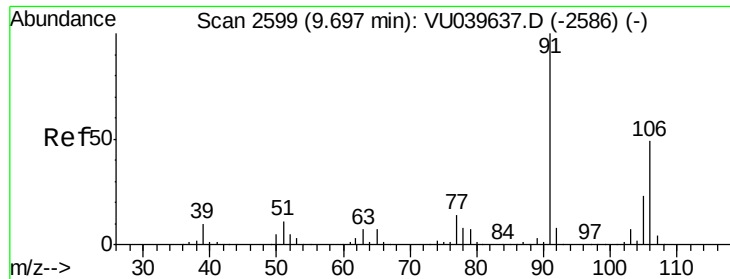
#52
Ethylbenzene
Concen: 1.852 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion: 91 Resp: 11219
Ion Ratio Lower Upper
91 100
106 28.1 21.1 39.1



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





#53

m,p-Xylene

Concen: 1.743 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

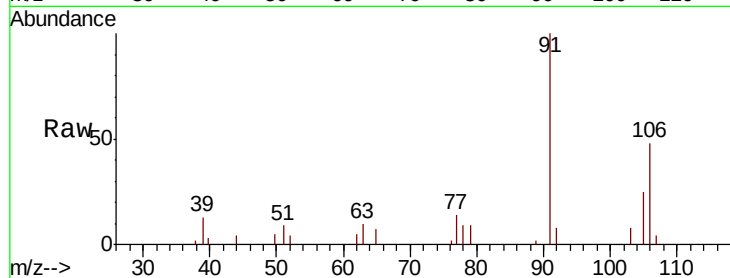
ClientSampleId :

Tot Ion:106 Resp: 3980

Ion Ratio Lower Upper

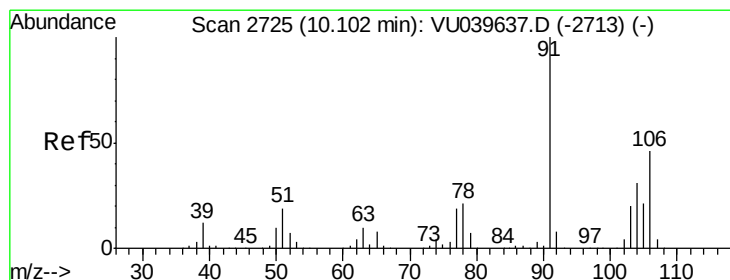
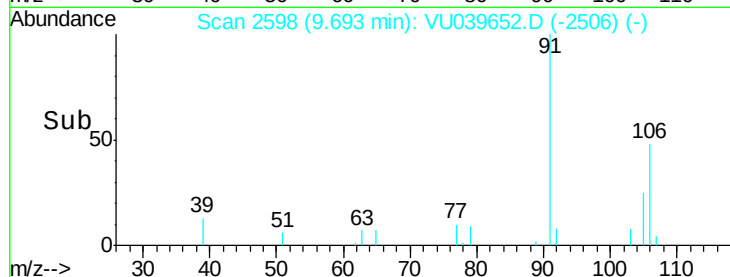
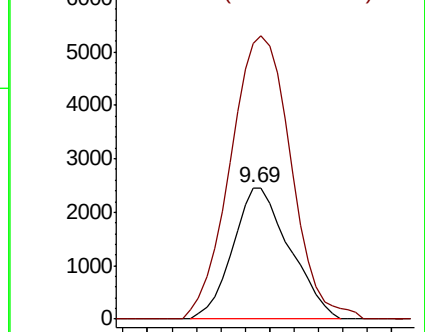
106 100

91 209.4 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.813 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039652.D

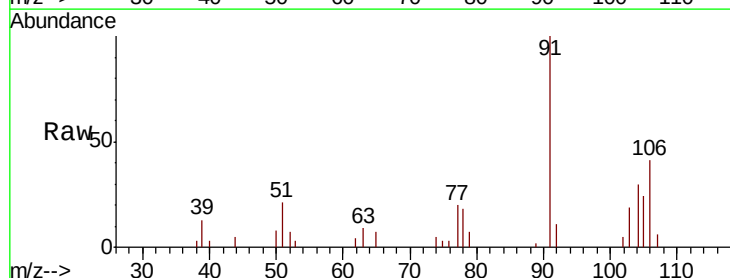
Acq: 23 Jul 2020 21:15

Tgt Ion:106 Resp: 3972

Ion Ratio Lower Upper

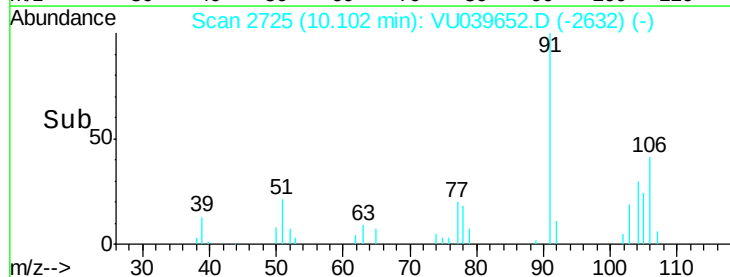
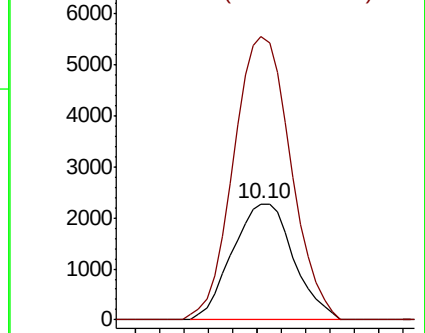
106 100

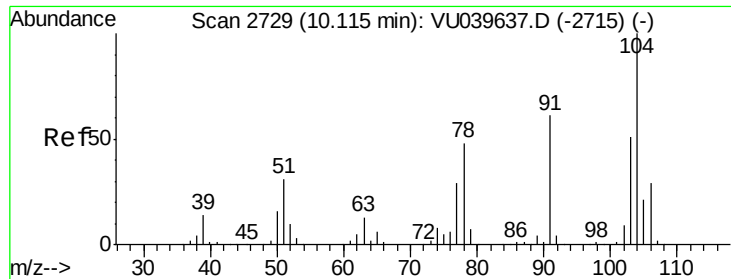
91 243.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

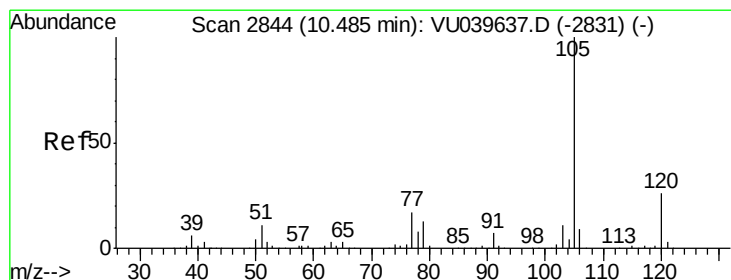
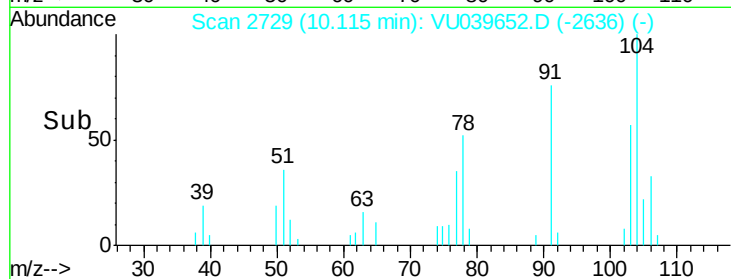
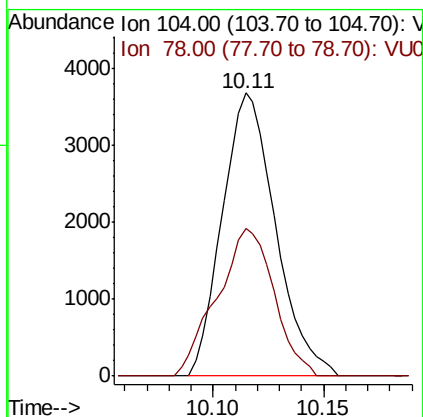
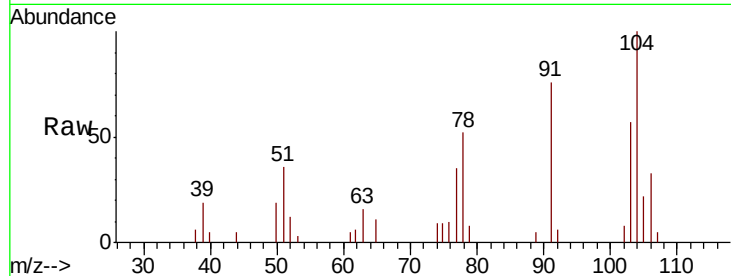




#55
Stvrene
Concen: 1.625 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

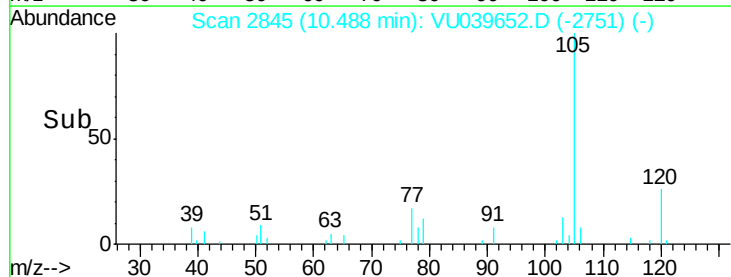
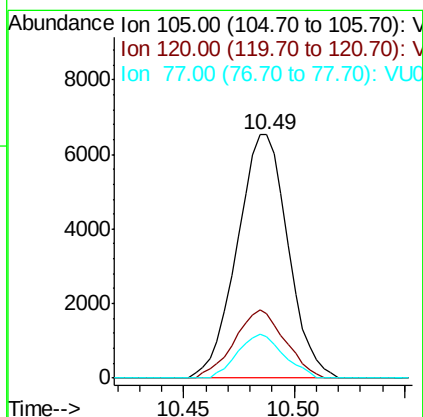
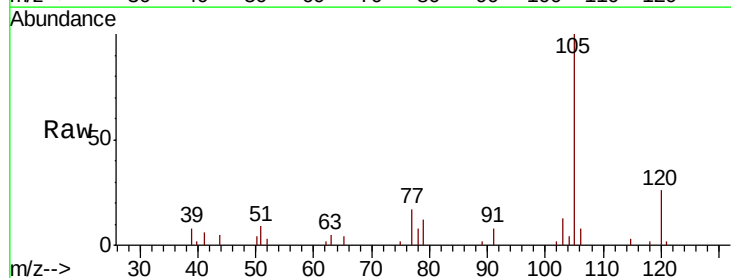
Instrument :
MSVOA_U
ClientSampleId :

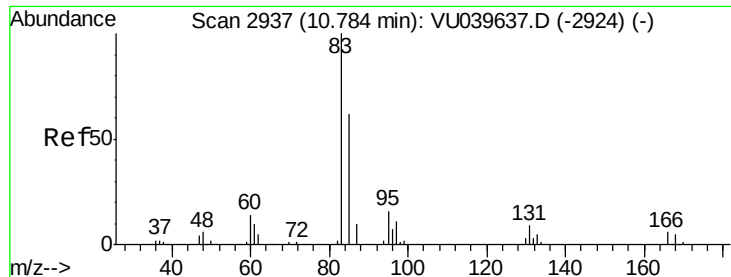
Tot Ion:104 Resp: 6163
Ion Ratio Lower Upper
104 100
78 52.2 34.3 63.7



#56
Isopropylbenzene
Concen: 1.754 ug/L
RT: 10.49 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:15

Tgt Ion:105 Resp: 10435
Ion Ratio Lower Upper
105 100
120 27.7 20.6 31.0
77 16.3 13.4 20.2





#58

1,1,2,2-Tetrachloroethane

Concen: 2.112 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

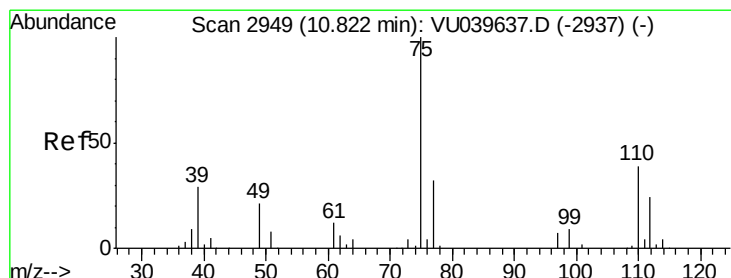
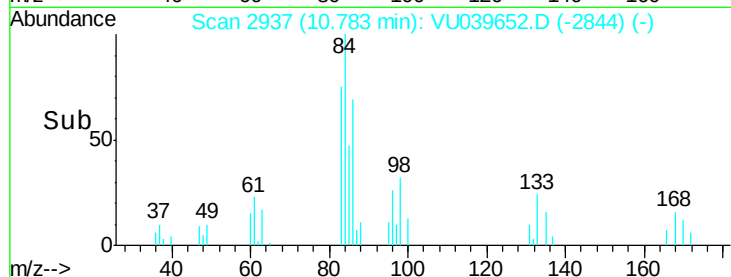
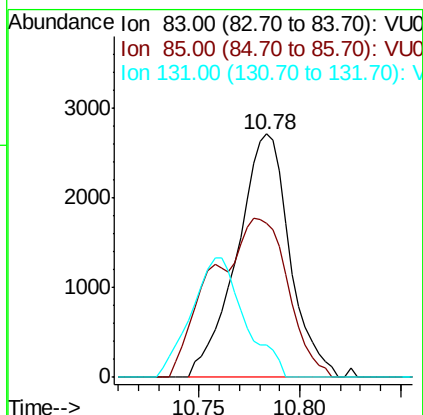
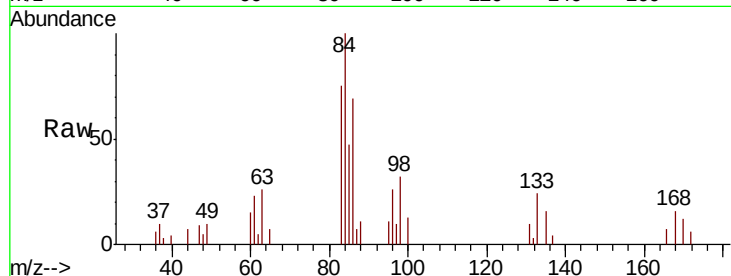
Tot Ion: 83 Resp: 4953

Ion Ratio Lower Upper

83 100

85 63.0 46.4 86.2

131 13.4 7.8 11.6#



#59

1,2,3-Trichloropropane

Concen: 2.058 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039652.D

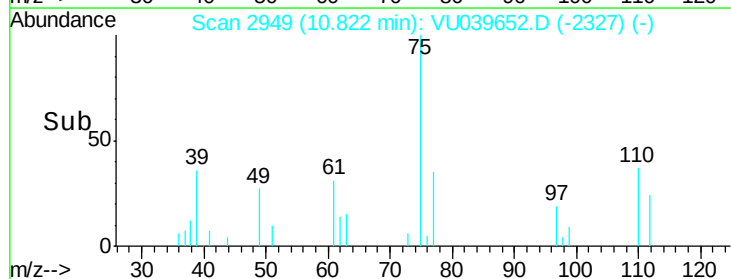
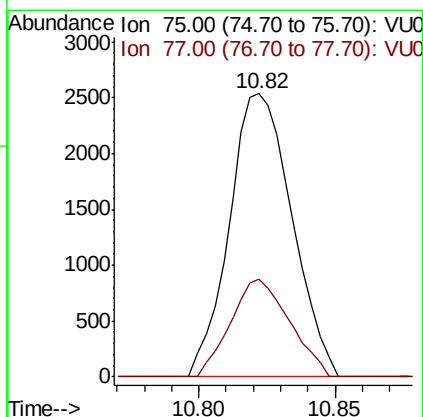
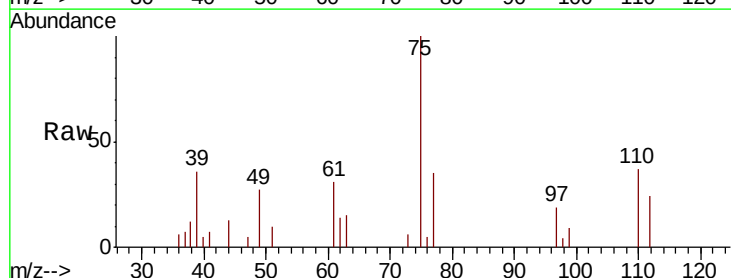
Acq: 23 Jul 2020 21:15

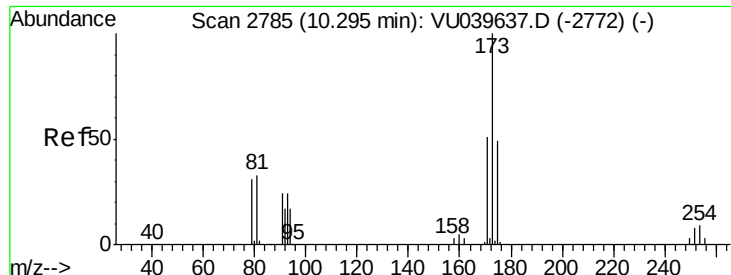
Tgt Ion: 75 Resp: 4030

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2





#61

Bromoform

Concen: 1.809 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampled :

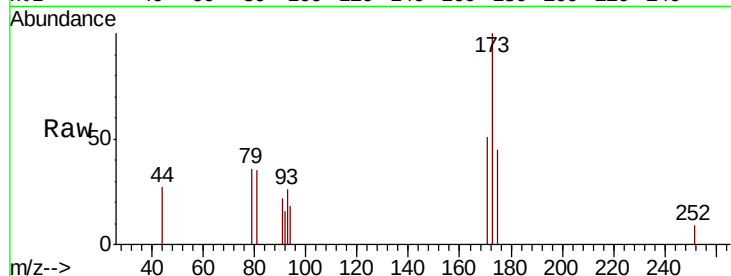
Tot Ion:173 Resp: 1740

Ion Ratio Lower Upper

173 100

175 53.2 38.4 57.6

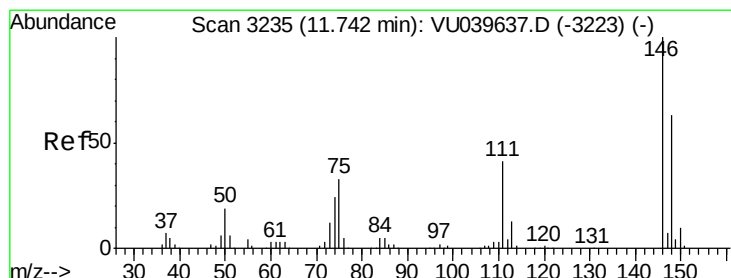
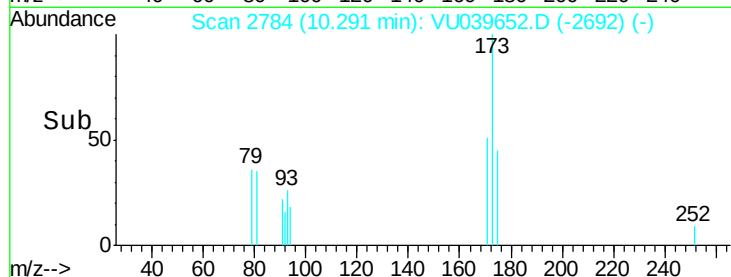
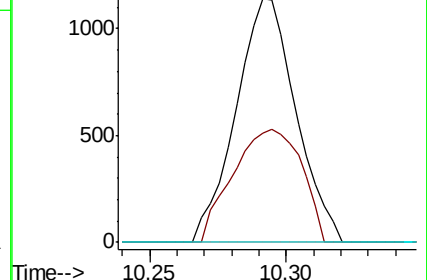
254 0.0 7.0 10.6#



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: 1.910 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

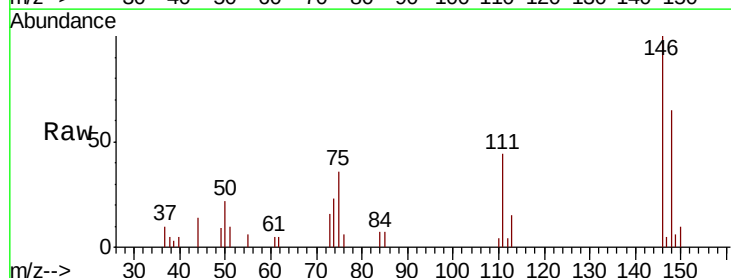
Tgt Ion:146 Resp: 4758

Ion Ratio Lower Upper

146 100

111 43.8 29.3 54.3

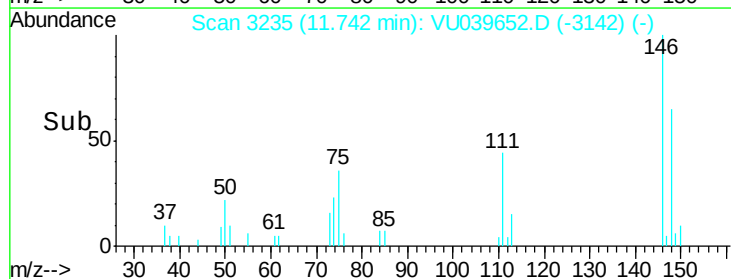
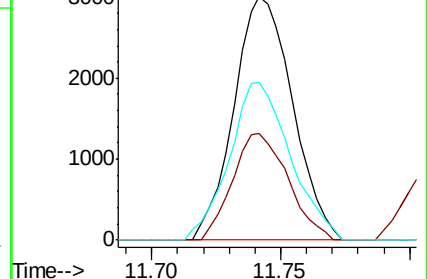
148 64.9 46.1 85.5

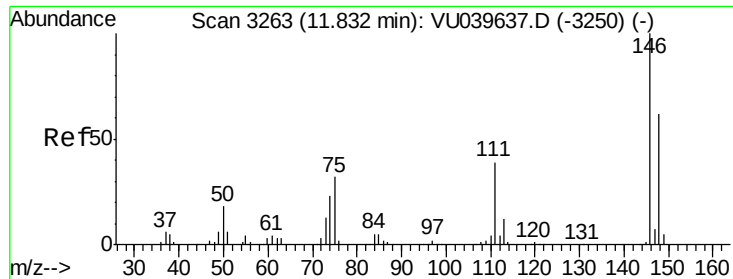


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 2.095 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039652.D

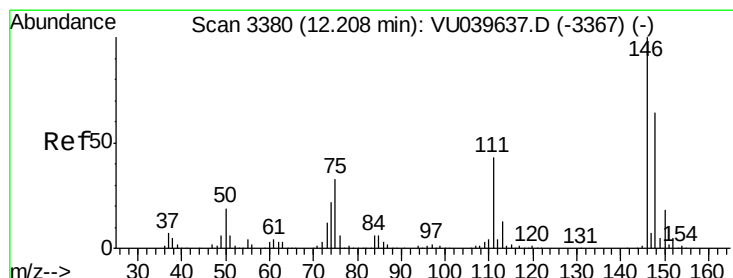
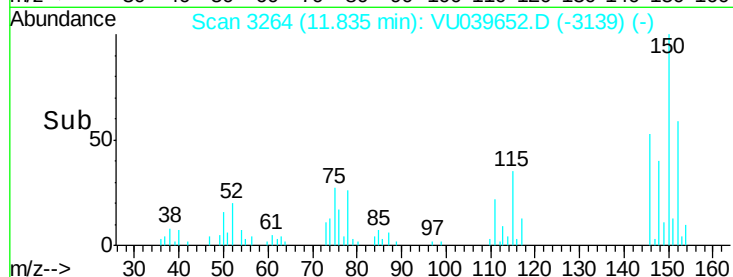
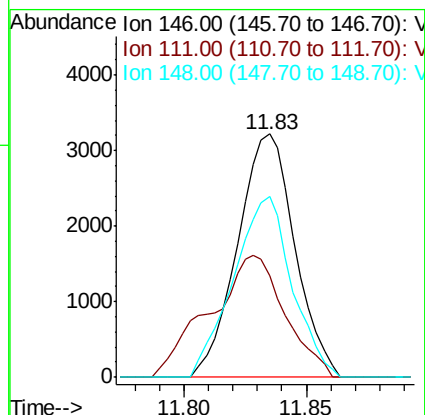
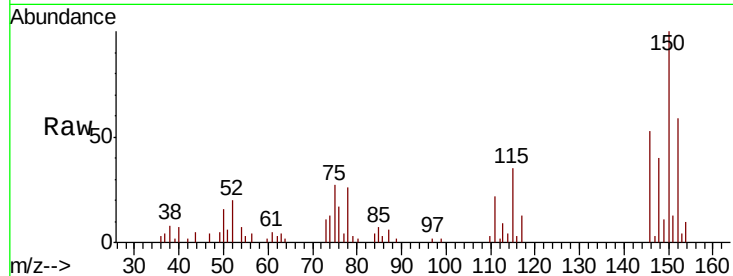
Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	5229
Ion	Ratio	Lower Upper
146	100	
111	41.9	27.8 51.6
148	74.4	44.7 83.1



#65

1,2-Dichlorobenzene

Concen: 2.129 ug/L

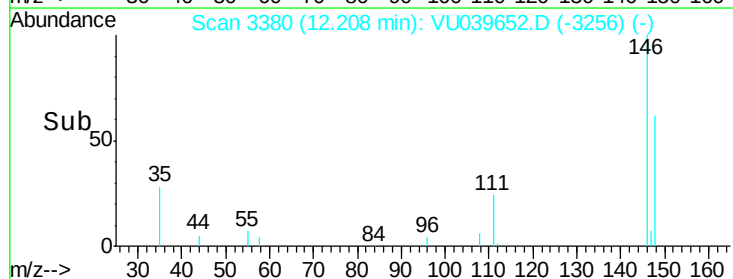
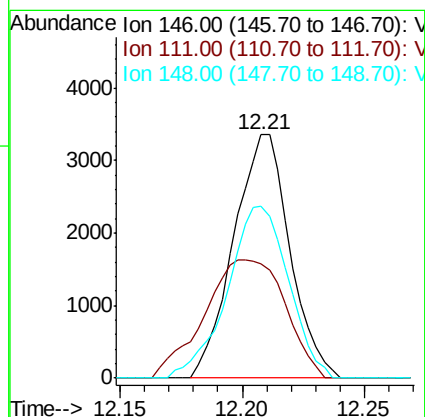
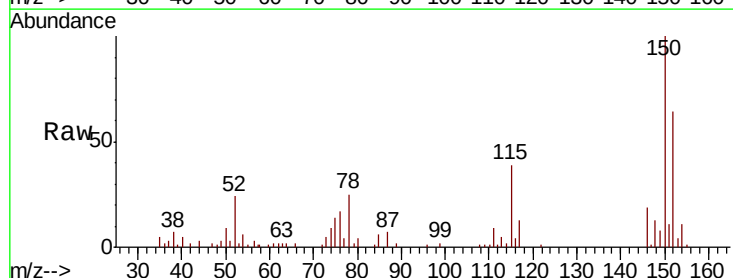
RT: 12.21 min Scan# 3380

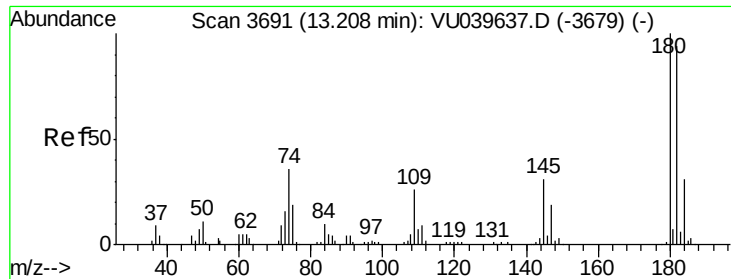
Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Tgt Ion:146	Resp:	5358
Ion	Ratio	Lower Upper
146	100	
111	46.9	34.8 52.2
148	70.9	52.5 78.7

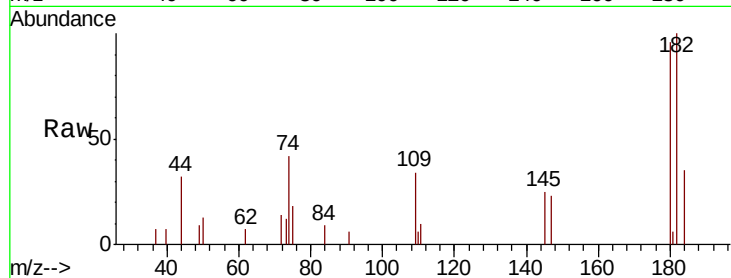




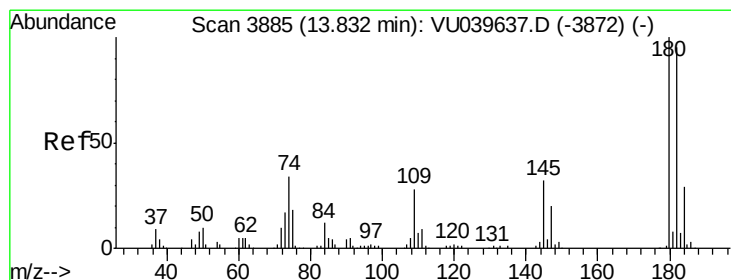
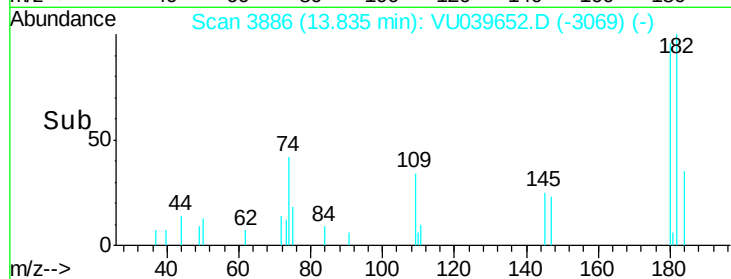
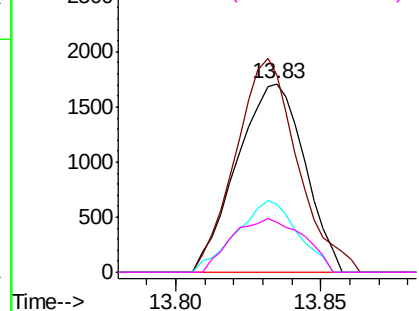
#67
 1,3,5-Trichlorobenzene
 Concen: 1.539 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.63 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2765
 Ion Ratio Lower Upper
 180 100
 182 103.8 75.7 113.5
 184 34.5 24.2 36.2
 145 30.2 24.6 36.8

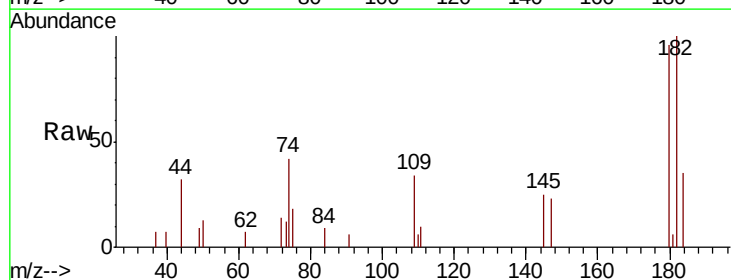


Abundance Ion 180.00 (179.70 to 180.70): V
 3000 Ion 182.00 (181.70 to 182.70): V
 2500 Ion 184.00 (183.70 to 184.70): V
 2000 Ion 145.00 (144.70 to 145.70): V
 1500
 1000
 500
 0

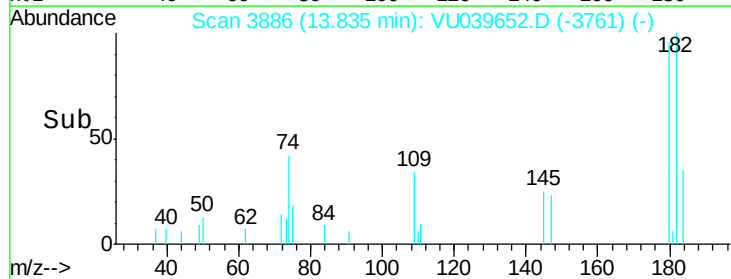
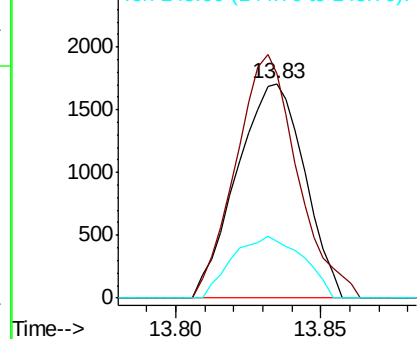


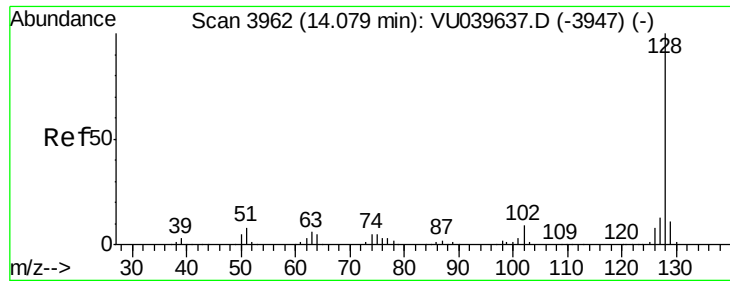
#68
 1,2,4-trichlorobenzene
 Concen: 1.814 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:15

Tgt Ion:180 Resp: 2765
 Ion Ratio Lower Upper
 180 100
 182 103.8 74.4 111.6
 145 30.2 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 2500 Ion 182.00 (181.70 to 182.70): V
 2000 Ion 145.00 (144.70 to 145.70): V
 1500
 1000
 500
 0





#69

Naphthalene

Concen: 1.646 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

Instrument :

MSVOA_U

ClientSampleId :

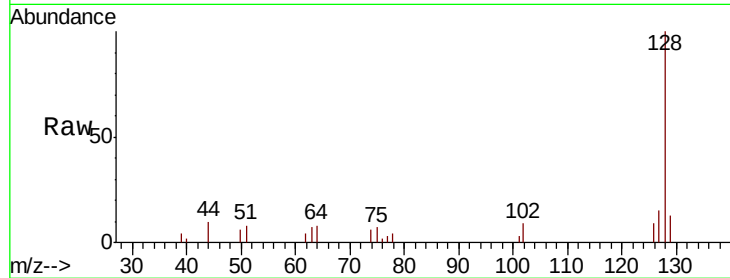
Tot Ion:128 Resp: 7529

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

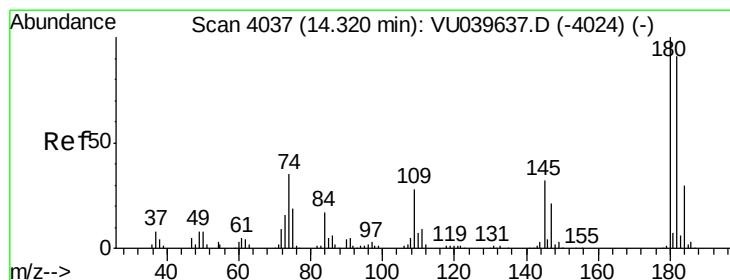
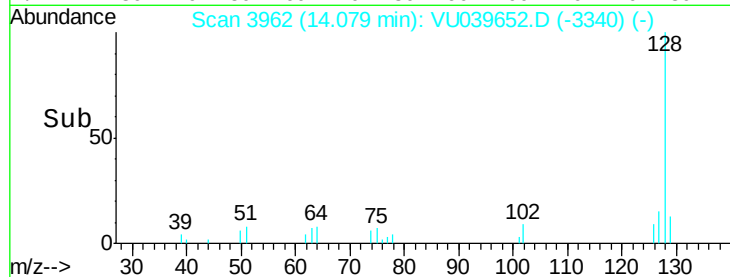
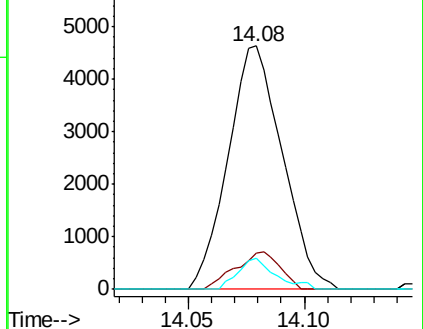
129 8.1 8.8 13.2#



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: 1.801 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:15

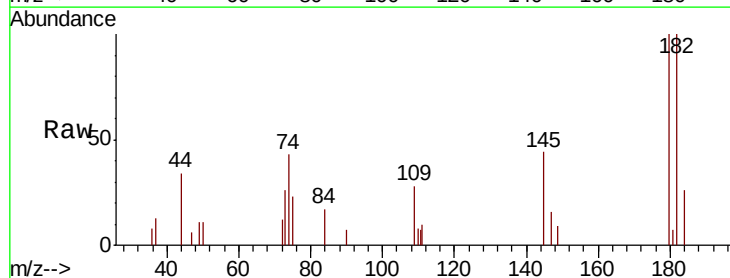
Tgt Ion:180 Resp: 2773

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 36.5 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

