

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039648.D
 Acq On : 23 Jul 2020 19:47
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 02:06:43 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	190400	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181008	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	84753	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54392	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.92	69	64325	43.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.58	63	89676	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	4.65	46	132332	92.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	5.09	84	125908	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.72	65	91983	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
32) Benzene-d6	5.75	84	240400	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
36) 1,2-Dichloropropane-d6	6.70	67	79781	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.82%
41) Toluene-d8	7.91	98	217718	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	8.19	79	36122	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.84%
47) 2-Hexanone-d5	8.64	63	84078	93.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	119258	45.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.38%
64) 1,2-Dichlorobenzene-d4	12.19	152	88099	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.39	85	2489	1.919 ug/L 97
3) Chloromethane	1.53	50	2894	2.148 ug/L 100
5) Vinyl chloride	1.61	62	3174	2.318 ug/L # 68
6) Bromomethane	1.87	94	2415	2.347 ug/L 100
8) Chloroethane	1.94	64	3221	2.645 ug/L 92
9) Trichlorofluoromethane	2.15	101	4906	2.027 ug/L 92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2949	2.532 ug/L # 76
12) 1,1-Dichloroethene	2.59	96	2952	2.718 ug/L # 1
13) Acetone	2.66	43	3443	3.615 ug/L 99
14) Carbon disulfide	2.81	76	7362	2.118 ug/L 99
15) Methyl Acetate	2.97	43	1742	1.021 ug/L # 79
16) Methylene chloride	3.06	84	2903	2.232 ug/L 87
17) trans-1,2-Dichloroethene	3.38	96	2661	2.202 ug/L 86
18) Methyl tert-butyl Ether	3.39	73	7810	2.000 ug/L # 79
19) 1,1-Dichloroethane	3.89	63	5062	2.146 ug/L # 90
20) cis-1,2-Dichloroethene	4.69	96	2631	1.905 ug/L 92
22) 2-Butanone	4.73	43	5371	4.002 ug/L 83

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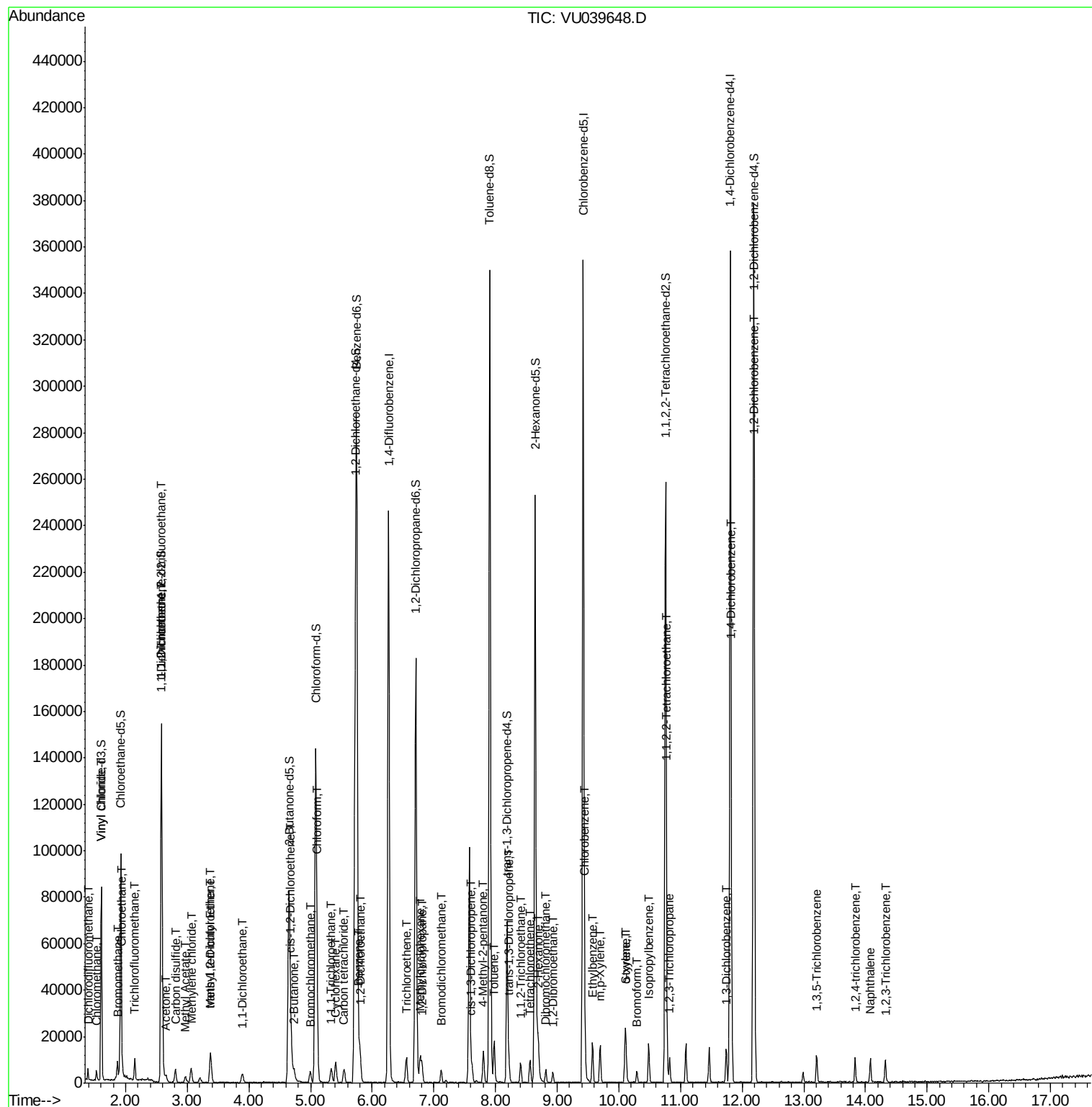
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	1475	2.125	ug/L	93
25) Chloroform	5.11	83	10686	4.085	ug/L	97
27) 1,2-Dichloroethane	5.81	62	4713	2.173	ug/L #	95
29) Cyclohexane	5.41	56	4048	2.058	ug/L	90
30) 1,1,1-Trichloroethane	5.34	97	4698	2.168	ug/L	93
31) Carbon tetrachloride	5.54	117	3553	1.977	ug/L	92
33) Benzene	5.79	78	11066	2.218	ug/L	100
34) Trichloroethene	6.56	95	2638	1.999	ug/L	86
35) Methylcyclohexane	6.77	83	3805	1.865	ug/L #	86
37) 1,2-Dichloropropane	6.80	63	3205	2.373	ug/L #	89
38) Bromodichloromethane	7.11	83	3774	2.104	ug/L #	92
39) cis-1,3-Dichloropropene	7.62	75	3875	1.920	ug/L	90
40) 4-Methyl-2-pentanone	7.80	43	9141	3.885	ug/L	98
42) Toluene	7.98	91	11430	2.083	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	4374	2.213	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	2617	2.032	ug/L	95
46) Tetrachloroethene	8.56	164	2030	2.034	ug/L #	72
48) 2-Hexanone	8.69	43	12390	6.462	ug/L	93
49) Dibromochloromethane	8.82	129	2854	1.963	ug/L	92
50) 1,2-Dibromoethane	8.93	107	2640	1.842	ug/L #	88
51) Chlorobenzene	9.45	112	7135	2.038	ug/L	98
52) Ethylbenzene	9.57	91	12006	1.980	ug/L	97
53) m,p-Xylene	9.70	106	4010	1.755	ug/L	97
54) o-xylene	10.10	106	4350	1.984	ug/L	93
55) Styrene	10.12	104	6430	1.694	ug/L	100
56) Isopropylbenzene	10.48	105	11055	1.857	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	5194	2.212	ug/L #	95
59) 1,2,3-Trichloropropane	10.83	75	3835	1.957	ug/L	93
61) Bromoform	10.29	173	1748	1.744	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	5377	2.071	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	5857	2.252	ug/L	93
65) 1,2-Dichlorobenzene	12.21	146	5766	2.198	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	3767	2.012	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	3006	1.892	ug/L #	88
69) Naphthalene	14.08	128	7936	1.665	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	2943	1.834	ug/L	95

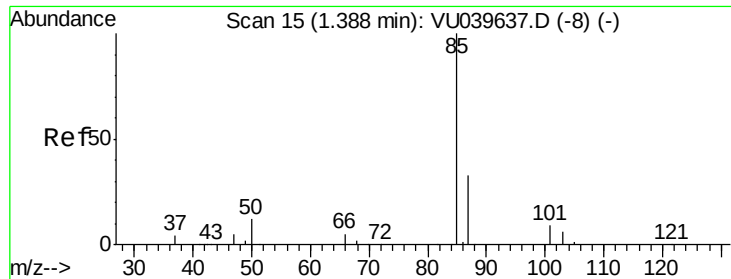
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.919 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

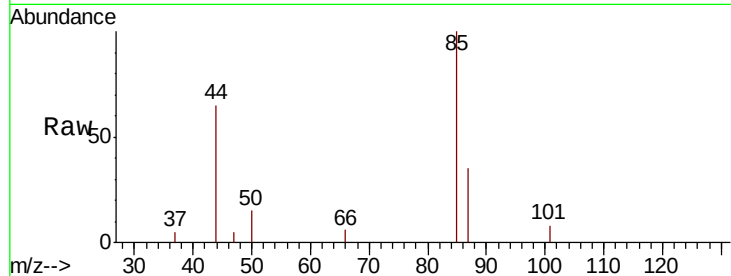
ClientSampleId :

Tot Ion: 85 Resp: 2489

Ion Ratio Lower Upper

85 100

87 34.7 26.2 39.4

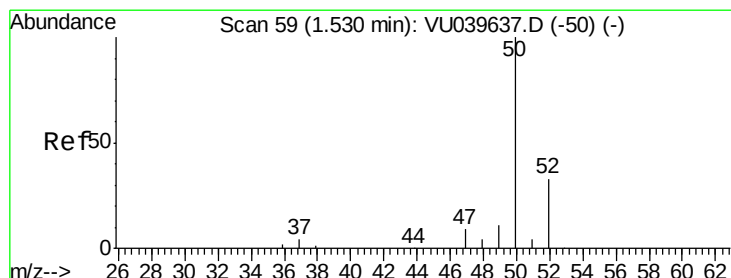
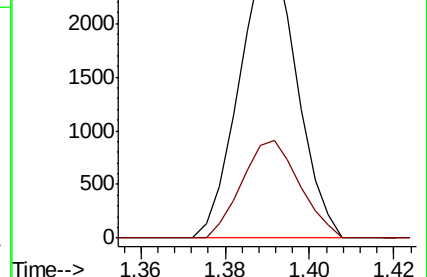
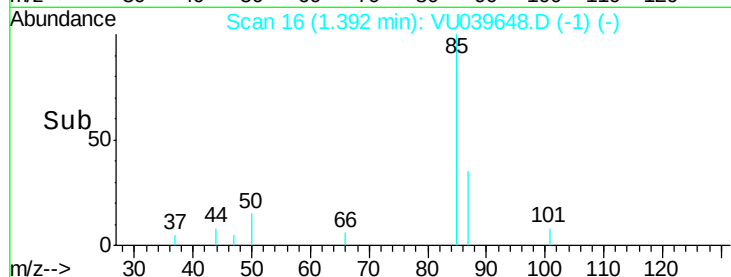


Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)

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

1.39

Time-->



#3

Chloromethane

Concen: 2.148 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039648.D

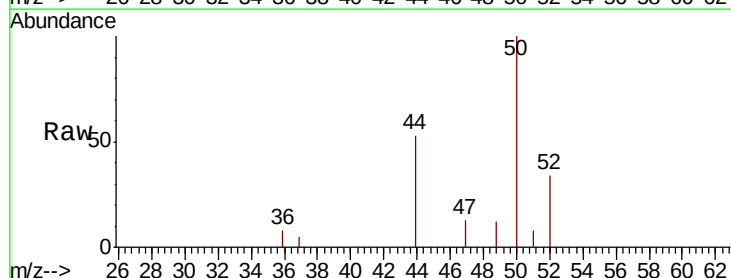
Acq: 23 Jul 2020 19:47

Tgt Ion: 50 Resp: 2894

Ion Ratio Lower Upper

50 100

52 34.5 24.0 44.6

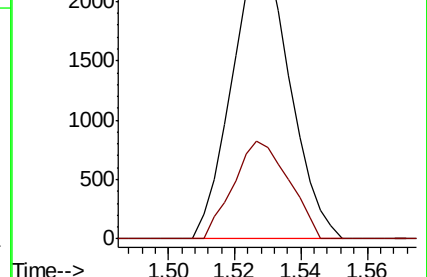
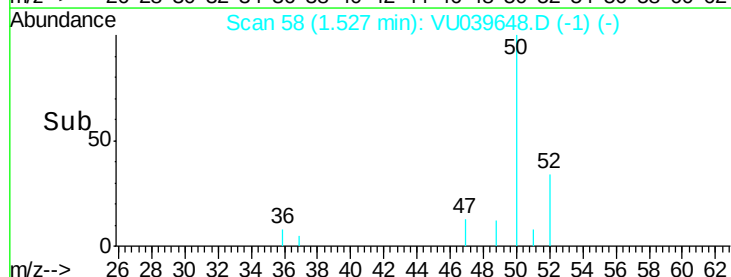


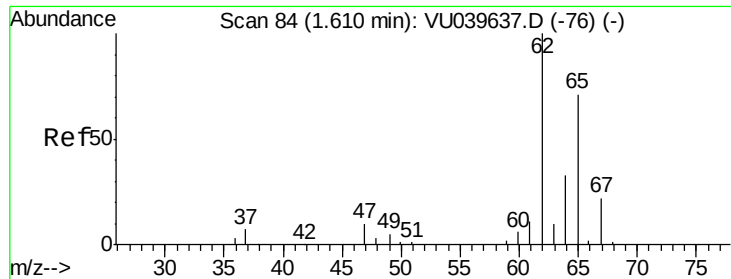
Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)

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

1.53

Time-->





#5

Vinyl chloride

Concen: 2.318 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

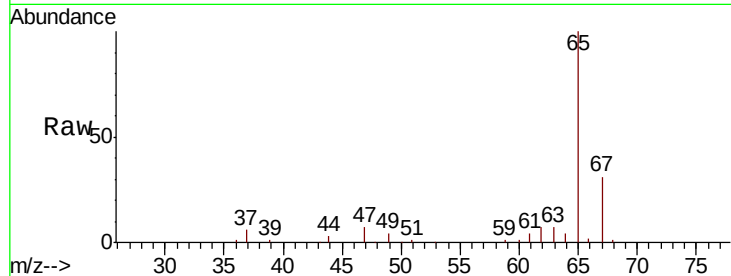
ClientSampled :

Tot Ion: 62 Resp: 3174

Ion Ratio Lower Upper

62 100

64 50.7 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.61

3000

2500

2000

1500

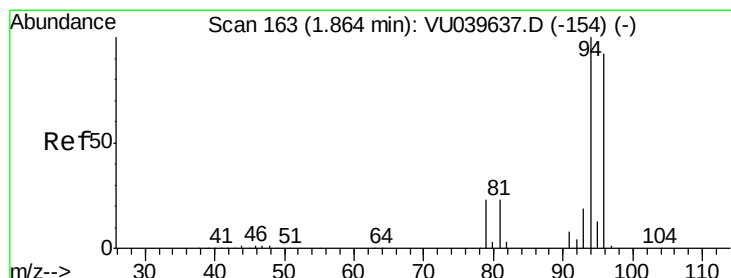
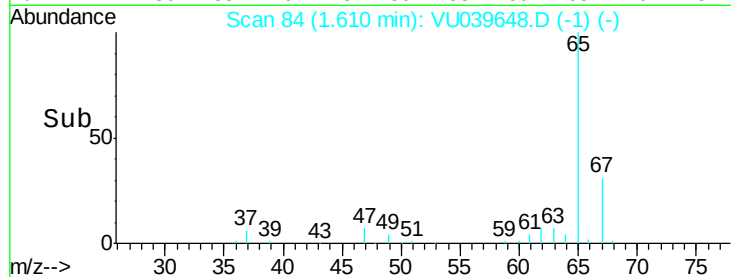
1000

500

0

1.58 1.60 1.62 1.64

Time-->



#6

Bromomethane

Concen: 2.347 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039648.D

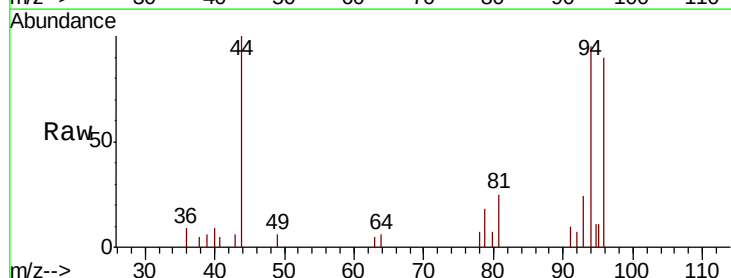
Acq: 23 Jul 2020 19:47

Tgt Ion: 94 Resp: 2415

Ion Ratio Lower Upper

94 100

96 94.1 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

2000

1500

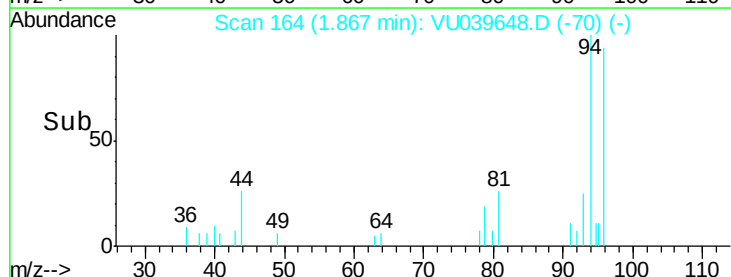
1000

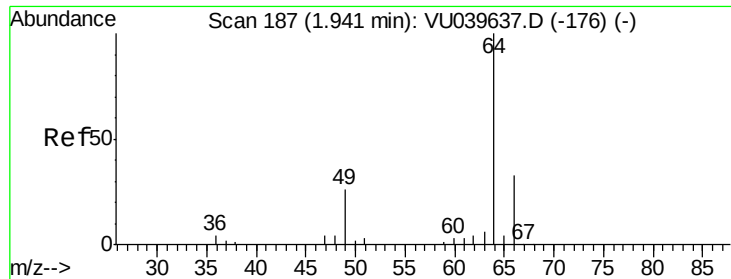
500

0

1.84 1.86 1.88 1.90

Time-->

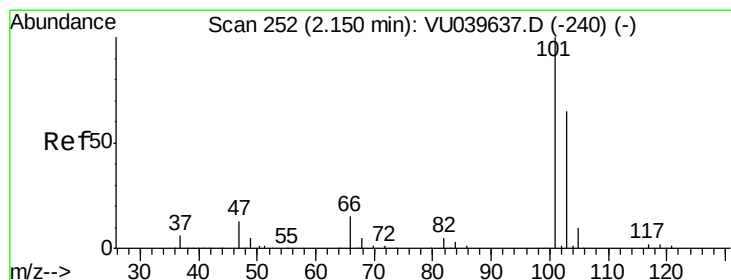
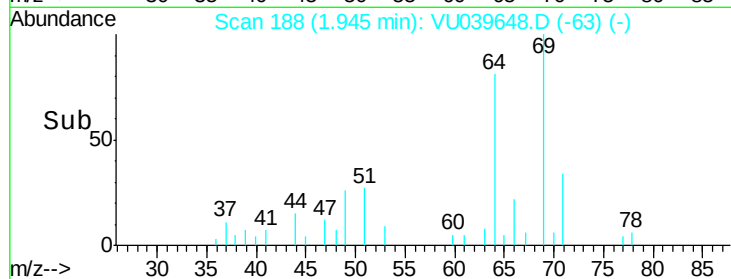
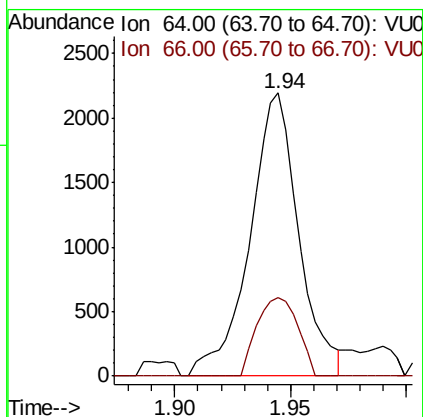
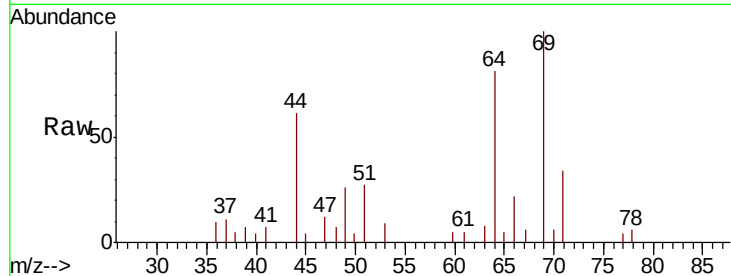




#8
Chloroethane
Concen: 2.645 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

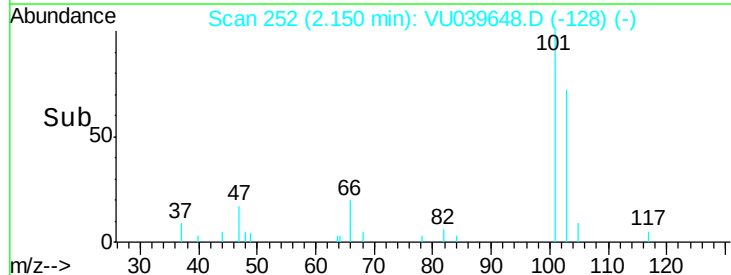
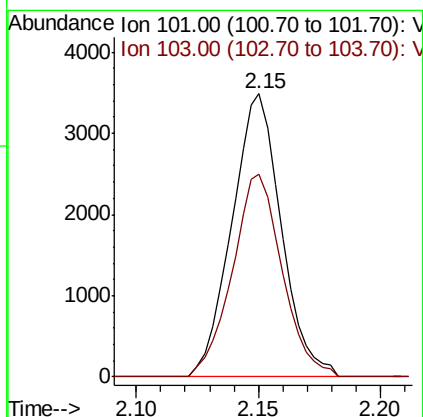
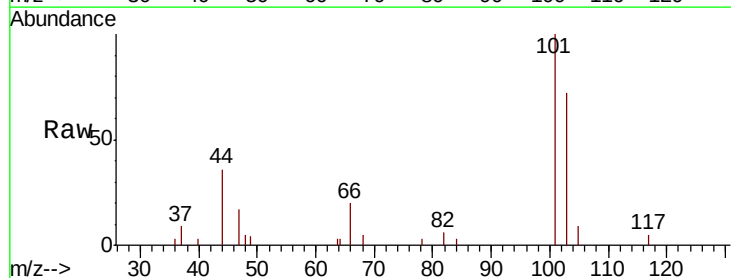
Instrument :
MSVOA_U
ClientSampleId :

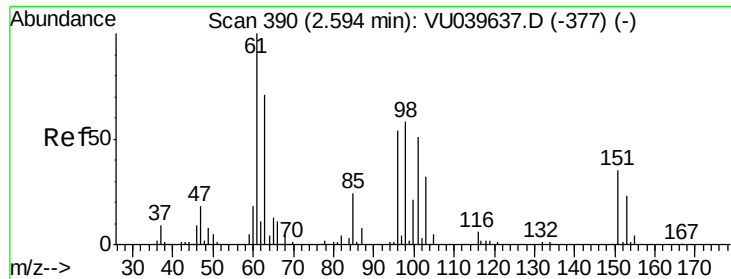
Tot Ion: 64 Resp: 3221
Ion Ratio Lower Upper
64 100
66 27.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.027 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 101 Resp: 4906
Ion Ratio Lower Upper
101 100
103 72.0 52.8 79.2





#10

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

Concen: 2.532 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

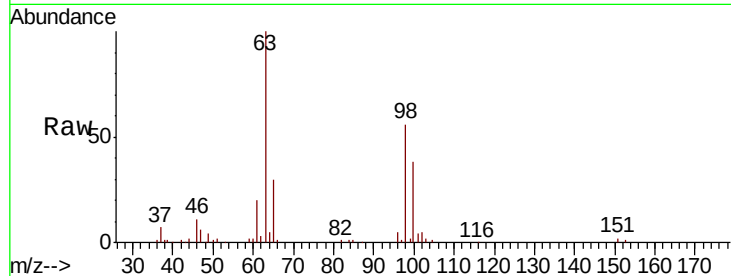
Tot Ion:101 Resp: 2949

Ion Ratio Lower Upper

101 100

85 36.3 39.7 59.5#

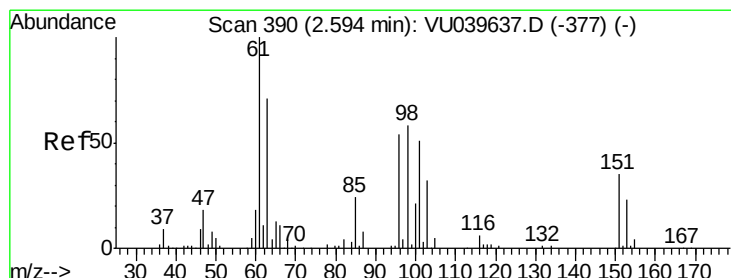
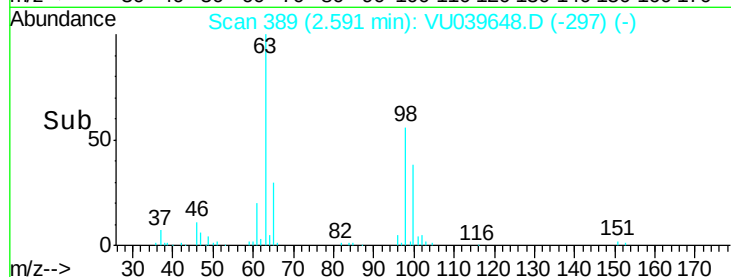
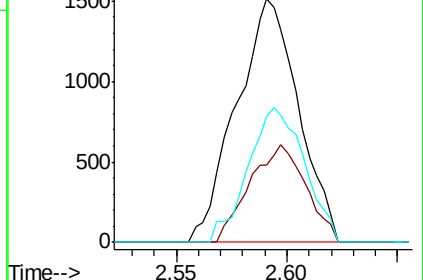
151 48.6 57.4 86.2#



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: 2.718 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

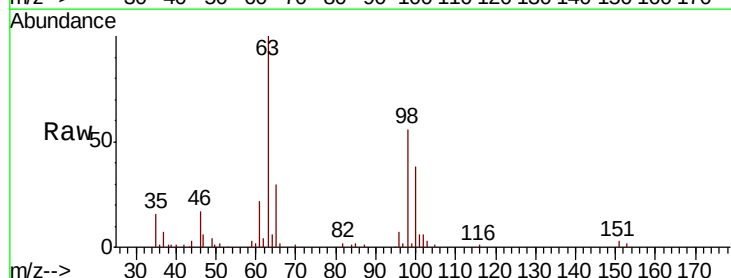
Tgt Ion: 96 Resp: 2952

Ion Ratio Lower Upper

96 100

61 333.0 136.6 253.6#

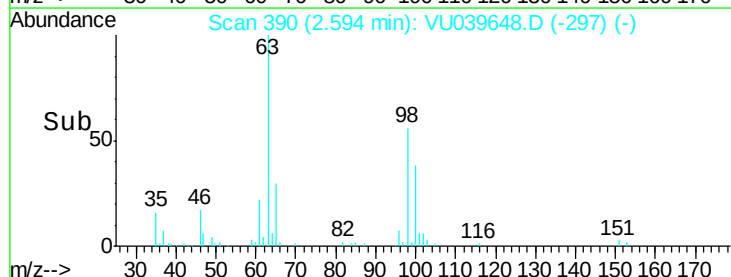
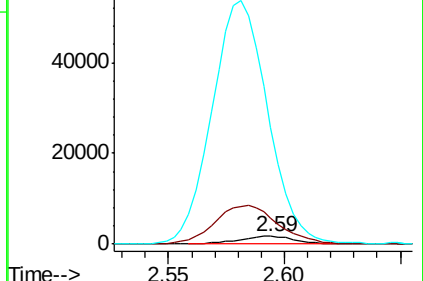
63 1487.8 97.2 180.6#

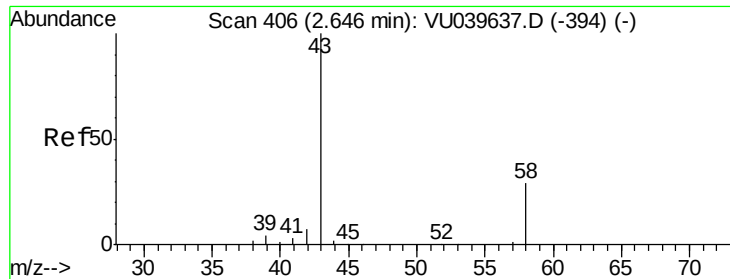


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.615 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

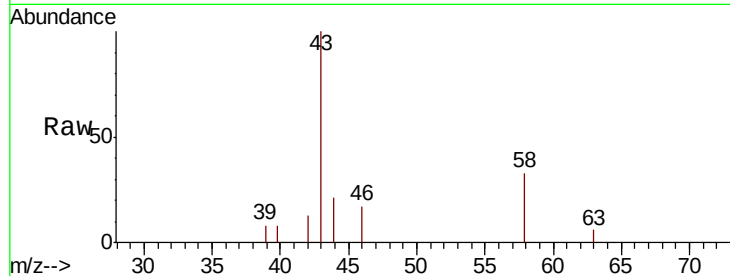
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3443

Ion Ratio Lower Upper

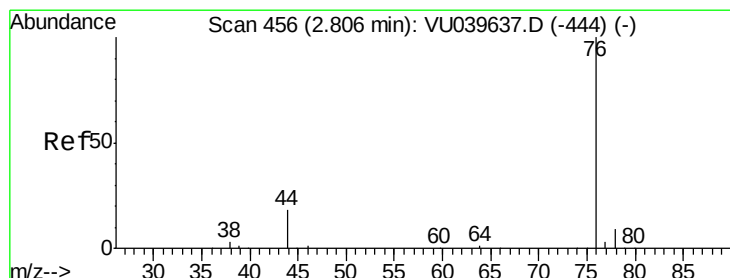
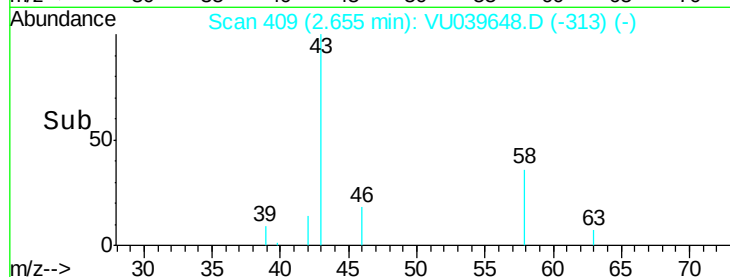
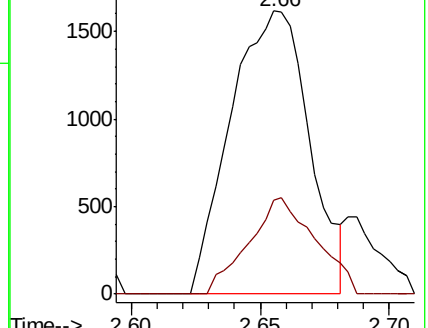
43 100

58 29.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU039637.D (-394) (-)



#14

Carbon disulfide

Concen: 2.118 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039648.D

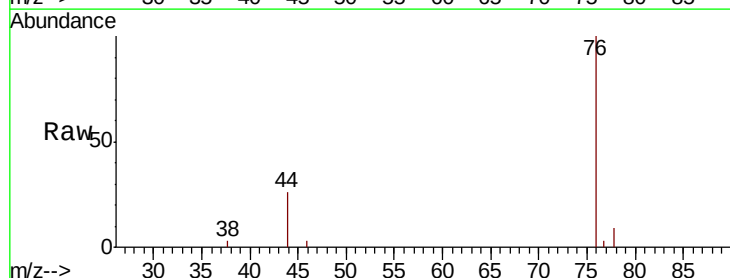
Acq: 23 Jul 2020 19:47

Tgt Ion: 76 Resp: 7362

Ion Ratio Lower Upper

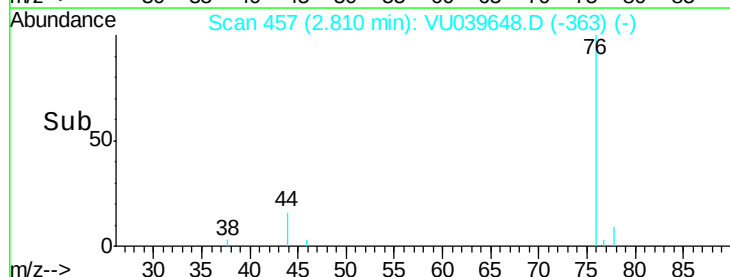
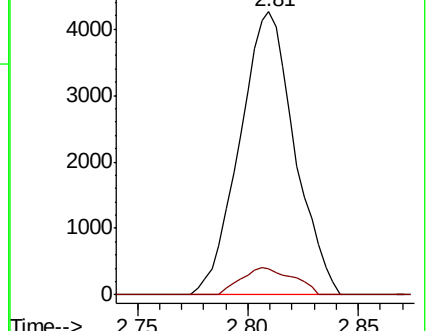
76 100

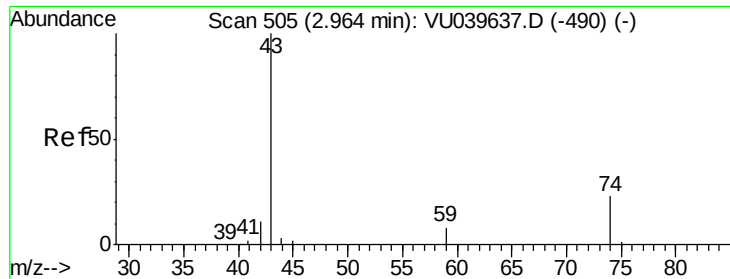
78 9.3 7.3 10.9



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

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





#15

Methyl Acetate

Concen: 1.021 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

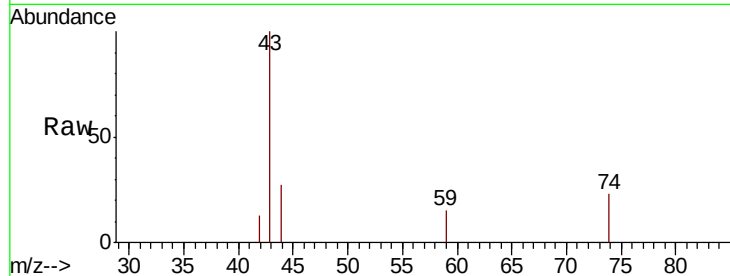
ClientSampled :

Tot Ion: 43 Resp: 1742

Ion Ratio Lower Upper

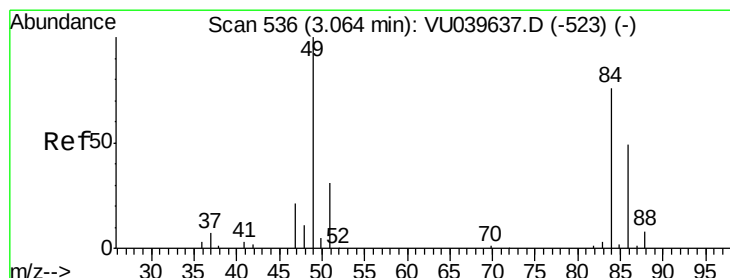
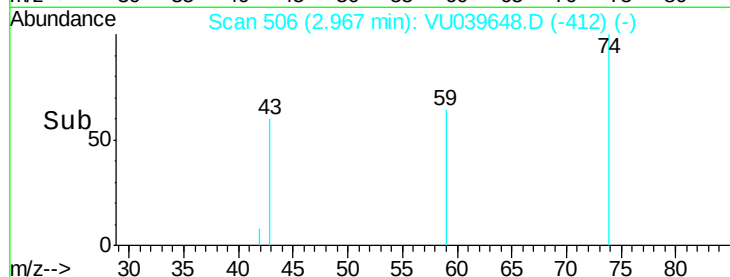
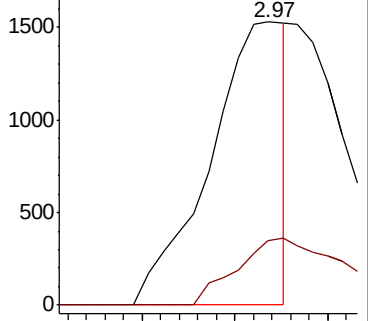
43 100

74 31.5 17.4 26.0#



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

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



#16

Methylene chloride

Concen: 2.232 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

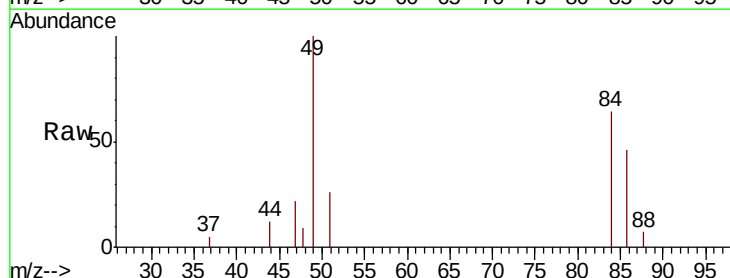
Tgt Ion: 84 Resp: 2903

Ion Ratio Lower Upper

84 100

86 72.7 46.2 85.8

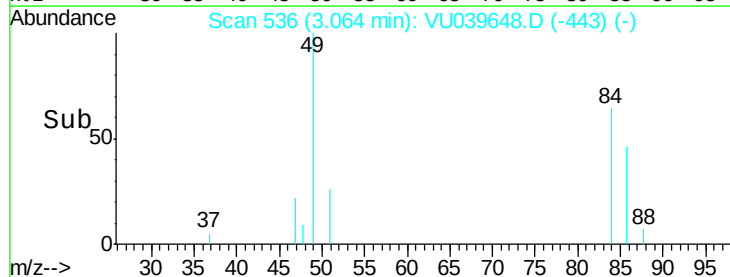
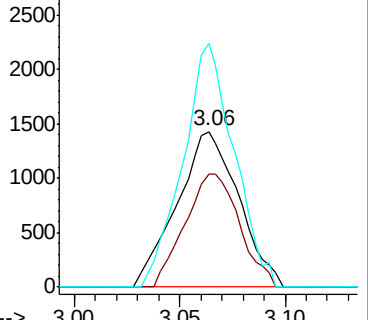
49 156.6 97.3 180.7

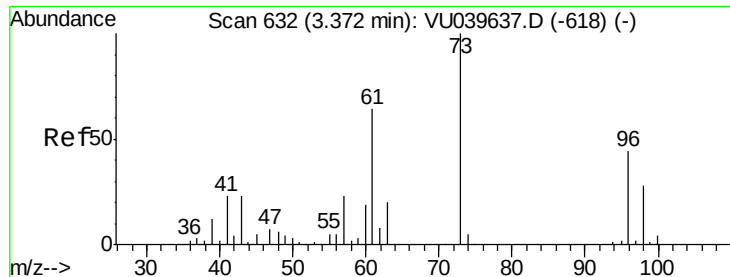


Abundance Ion 84.00 (83.70 to 84.70): VU039637.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039637.D (-523) (-)

Ion 49.00 (48.70 to 49.70): VU039637.D (-523) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.202 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampled :

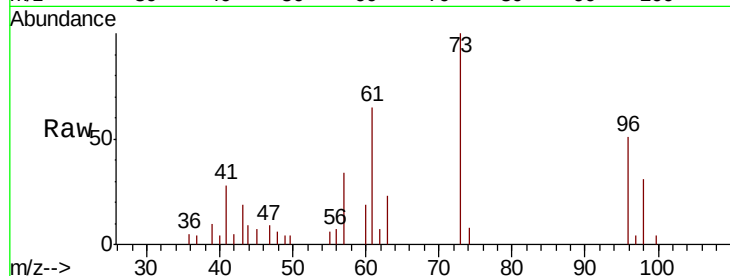
Tot Ion: 96 Resp: 2661

Ion Ratio Lower Upper

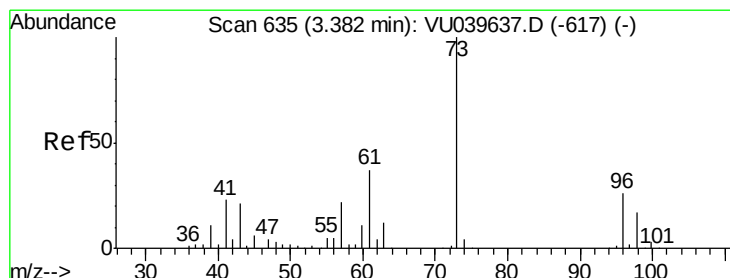
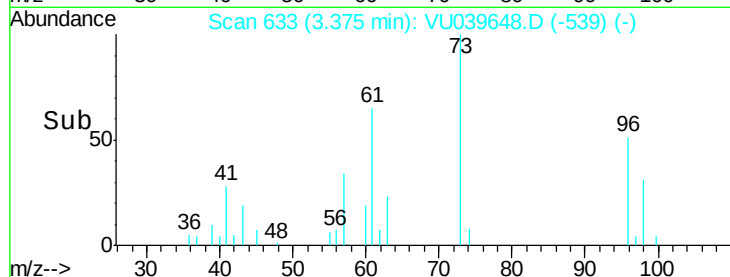
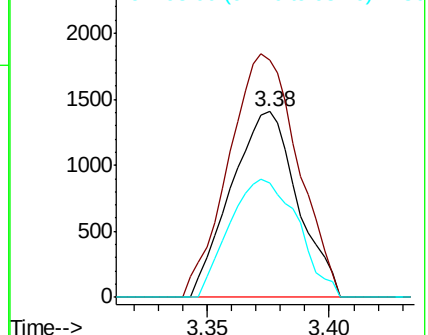
96 100

61 127.6 106.7 198.1

98 61.3 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 2.000 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

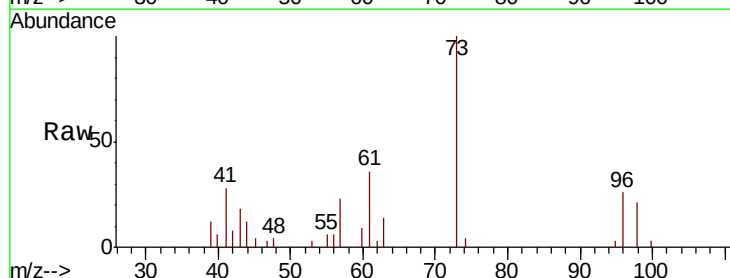
Tgt Ion: 73 Resp: 7810

Ion Ratio Lower Upper

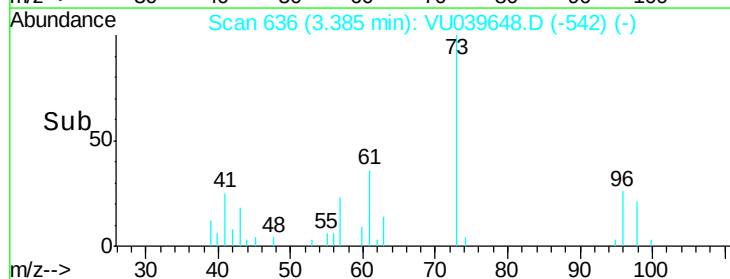
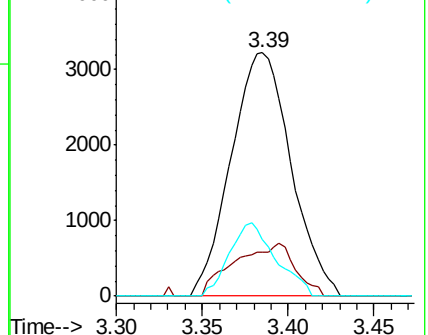
73 100

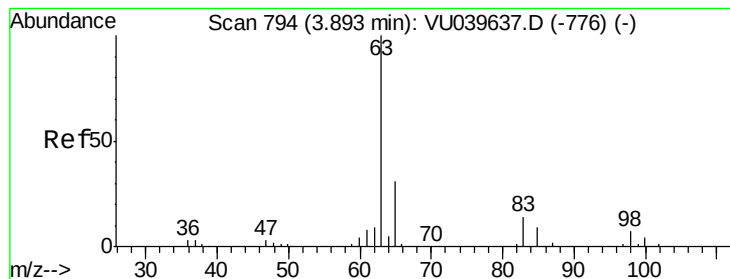
43 3.8 18.2 27.2#

57 23.2 17.4 26.2



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





#19

1,1-Dichloroethane

Concen: 2.146 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

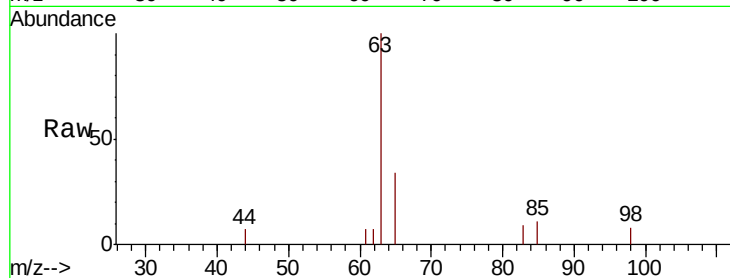
Tot Ion: 63 Resp: 5062

Ion Ratio Lower Upper

63 100

65 33.9 20.4 38.0

83 9.0 9.7 18.1#

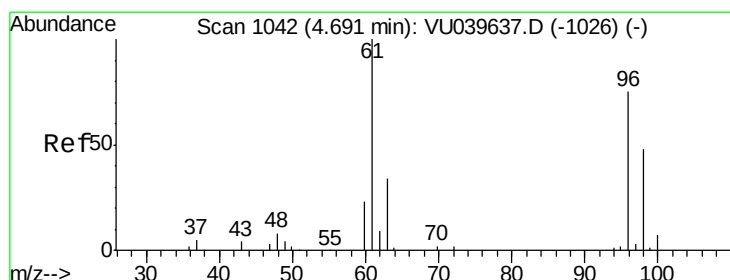
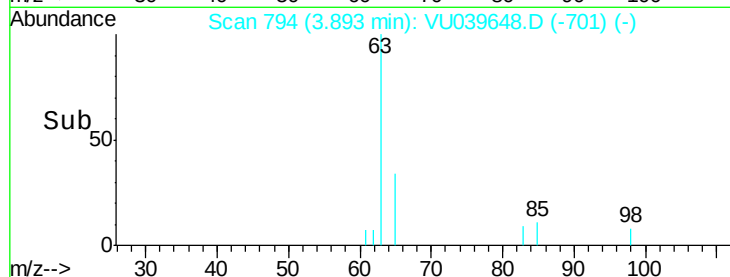


Abundance Ion 63.00 (62.70 to 63.70): VU039648.D (-949) (-)

Ion 65.00 (64.70 to 65.70): VU039648.D (-949) (-)

Ion 83.00 (82.70 to 83.70): VU039648.D (-949) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.905 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

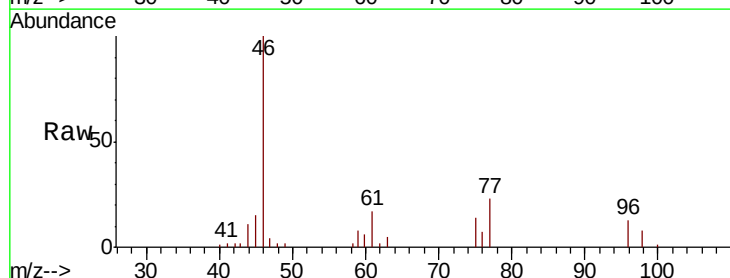
Tgt Ion: 96 Resp: 2631

Ion Ratio Lower Upper

96 100

61 124.4 94.0 174.6

68 0.0 0.0 0.0

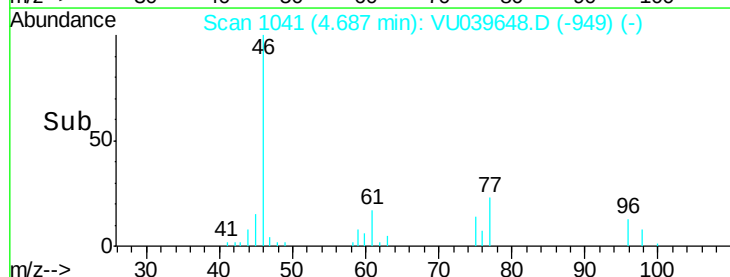


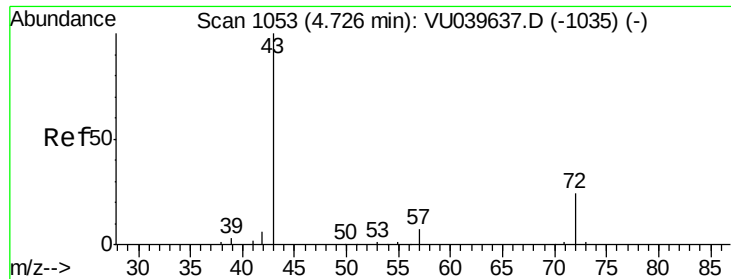
Abundance Ion 96.00 (95.70 to 96.70): VU039648.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU039648.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU039648.D (-949) (-)

Time-->





#22

2-Butanone

Concen: 4.002 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

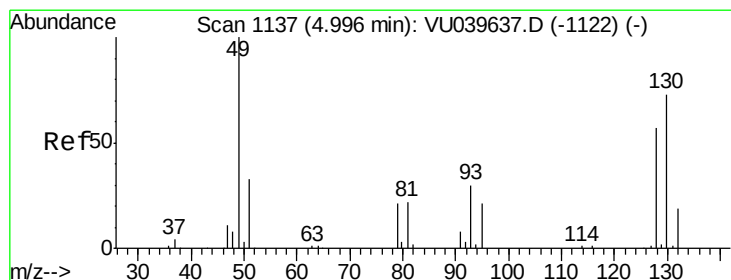
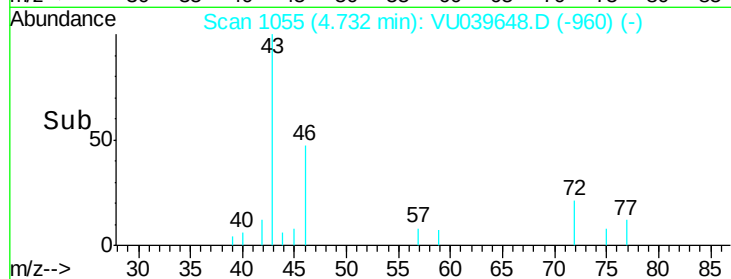
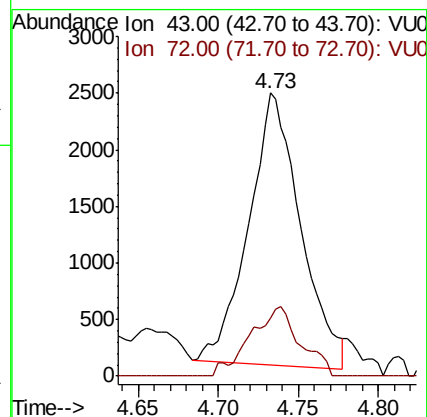
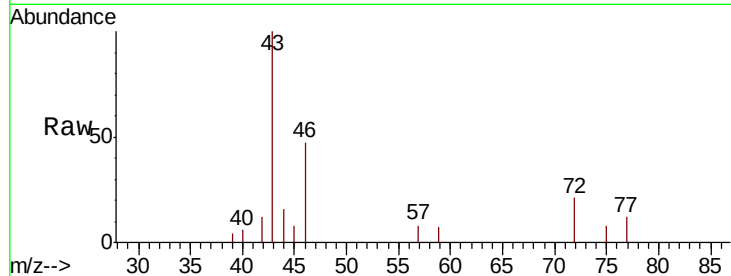
ClientSampled :

Tot Ion: 43 Resp: 5371

Ion Ratio Lower Upper

43 100

72 16.8 12.8 38.3



#23

Bromochloromethane

Concen: 2.125 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Tgt Ion: 128 Resp: 1475

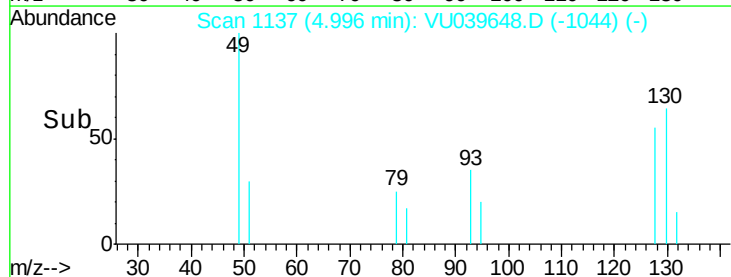
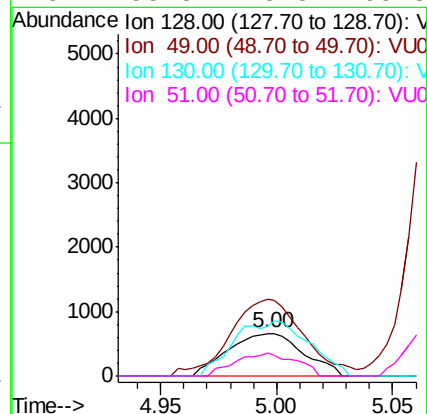
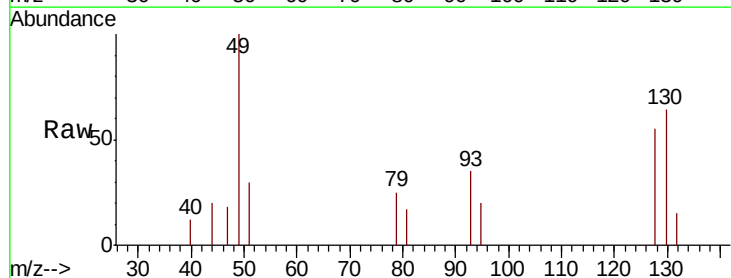
Ion Ratio Lower Upper

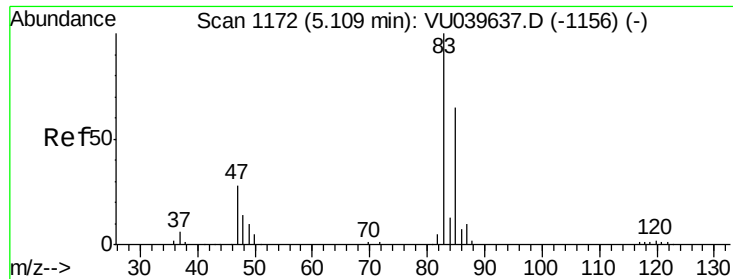
128 100

49 180.8 124.5 231.3

130 116.6 94.4 175.2

51 53.8 43.5 65.3

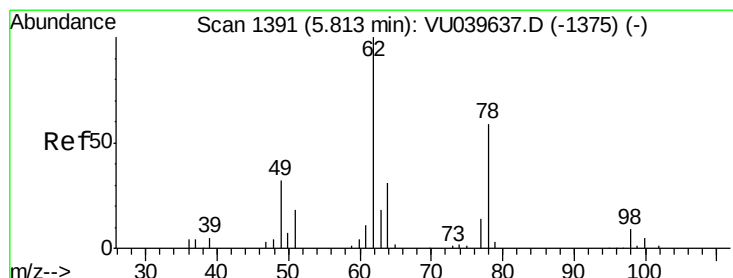
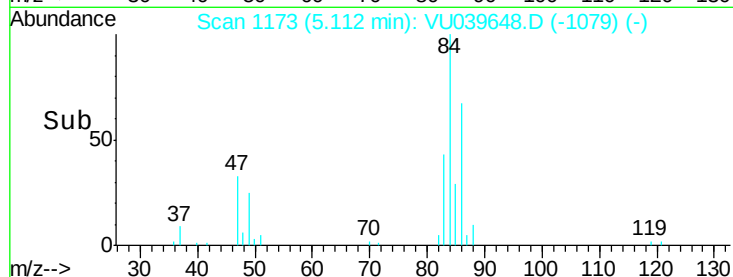
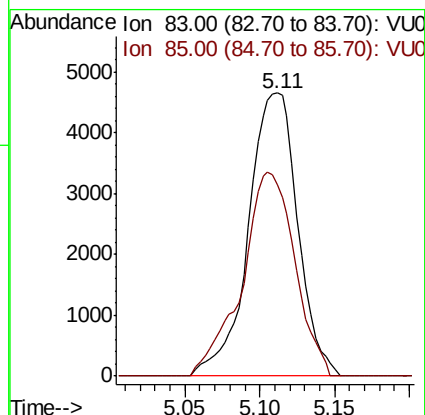
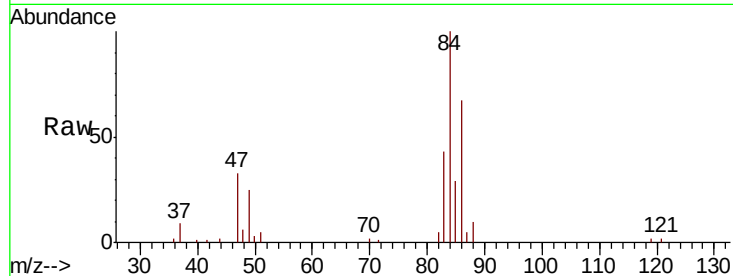




#25
Chloroform
Concen: 4.085 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

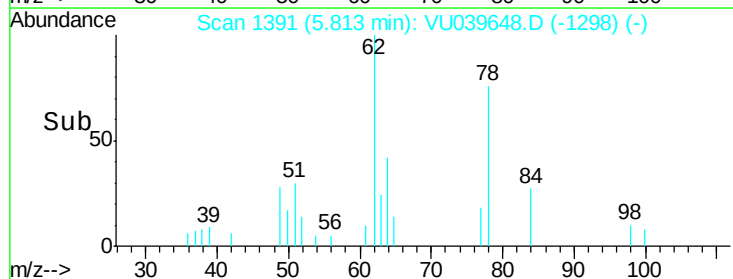
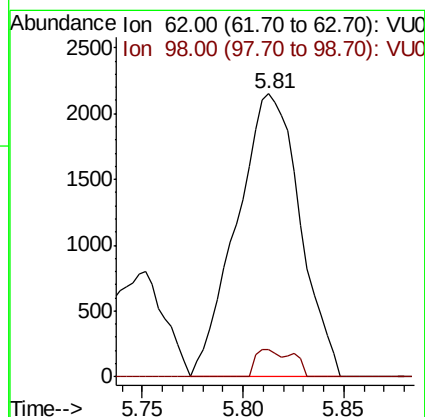
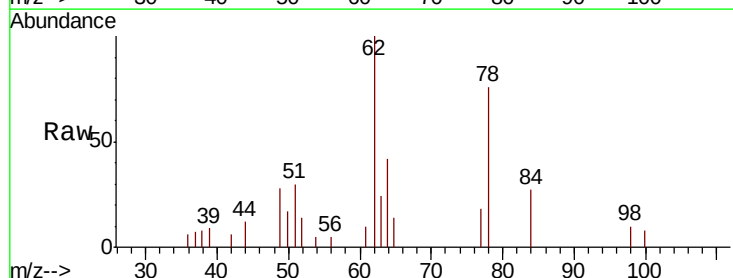
Instrument :
MSVOA_U
ClientSampled :

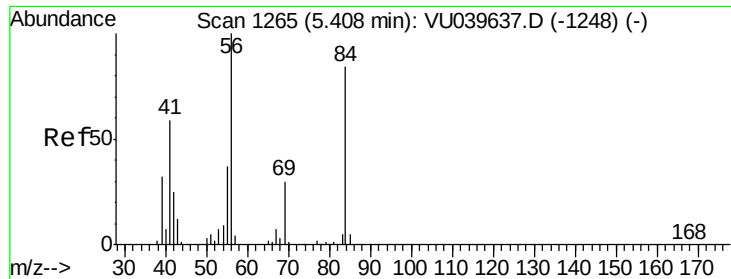
Tot Ion: 83 Resp: 10686
Ion Ratio Lower Upper
83 100
85 67.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 2.173 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 62 Resp: 4713
Ion Ratio Lower Upper
62 100
98 9.8 6.4 9.6#

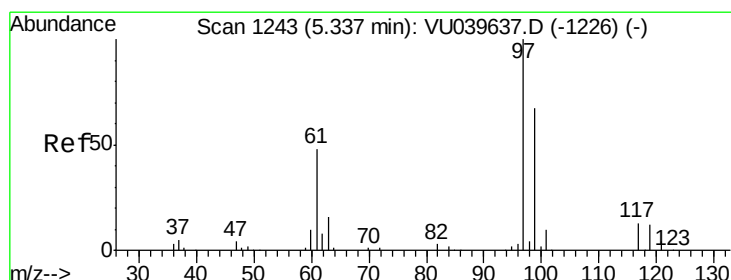
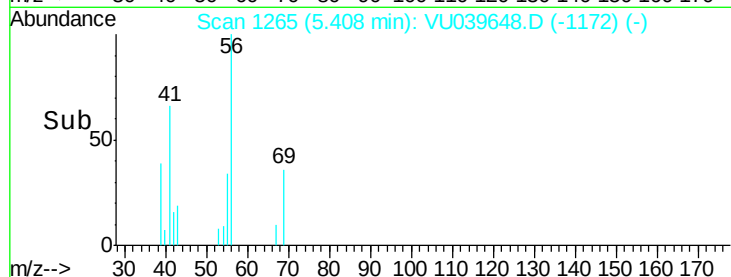
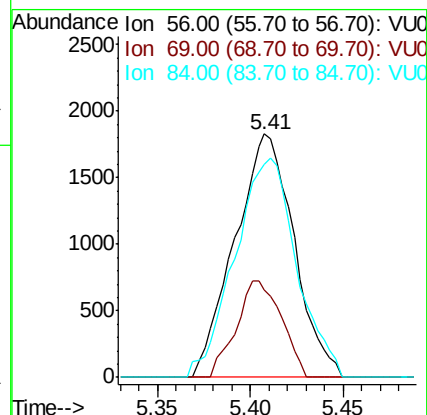
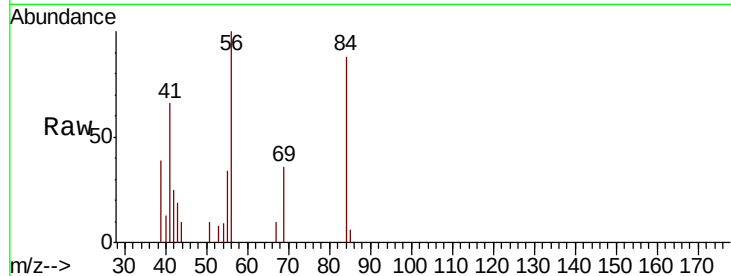




#29
Cyclohexane
Concen: 2.058 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

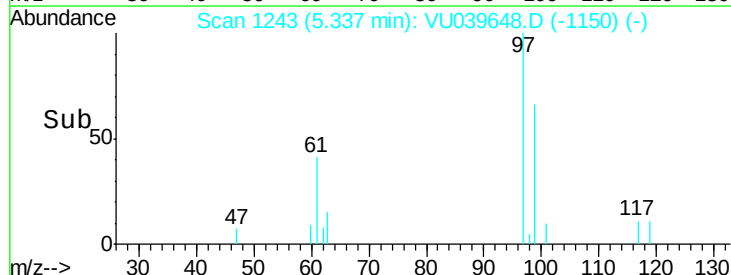
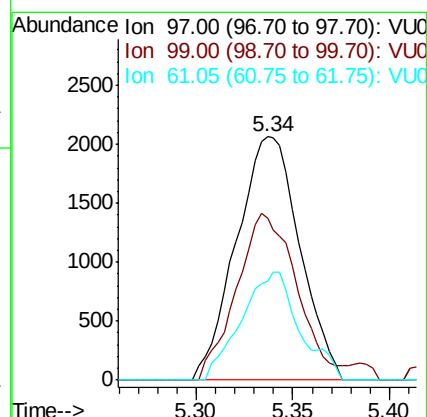
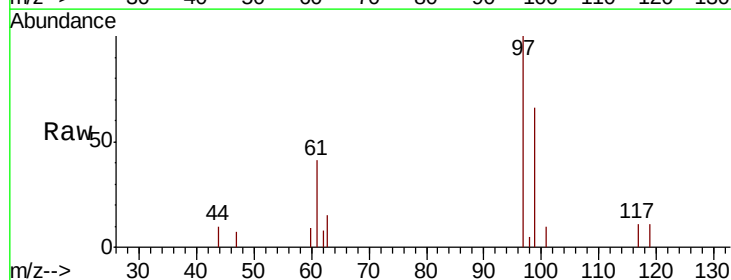
Instrument :
MSVOA_U
ClientSampled :

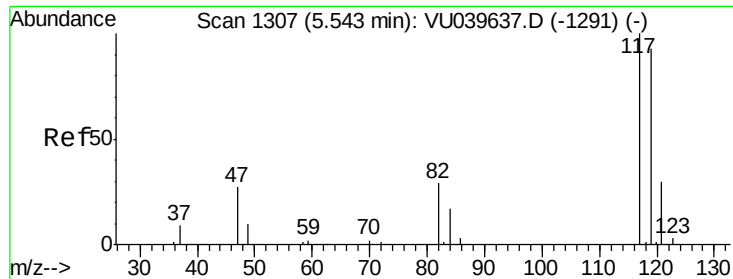
Tot Ion: 56 Resp: 4048
Ion Ratio Lower Upper
56 100
69 30.2 23.9 35.9
84 94.1 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 2.168 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 97 Resp: 4698
Ion Ratio Lower Upper
97 100
99 65.4 50.3 75.5
61 37.5 36.0 54.0





#31

Carbon tetrachloride

Concen: 1.977 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

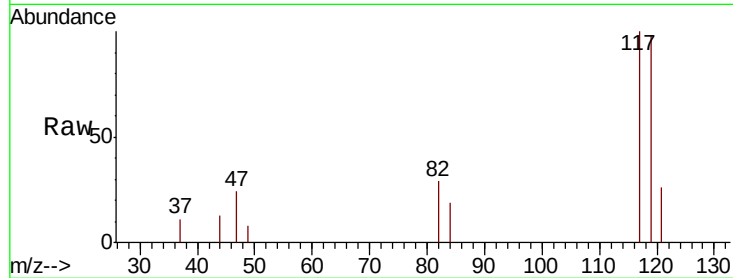
ClientSampled :

Tot Ion:117 Resp: 3553

Ion Ratio Lower Upper

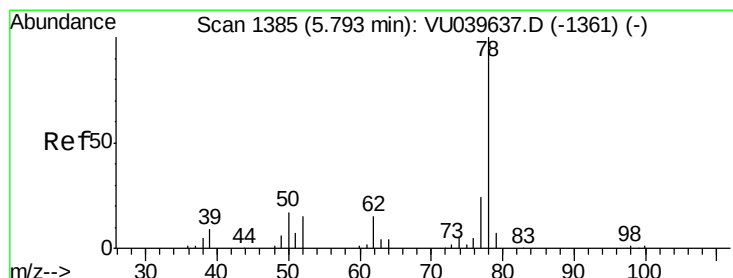
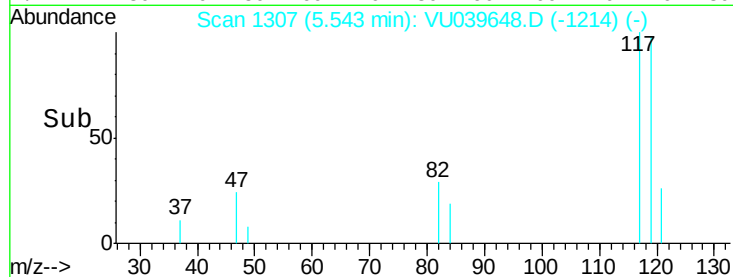
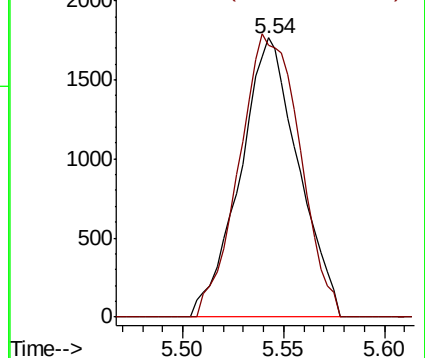
117 100

119 105.7 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: 2.218 ug/L

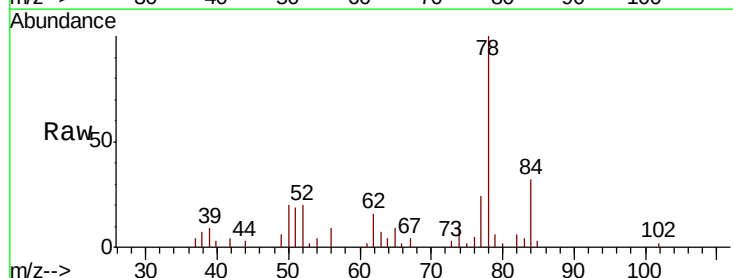
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

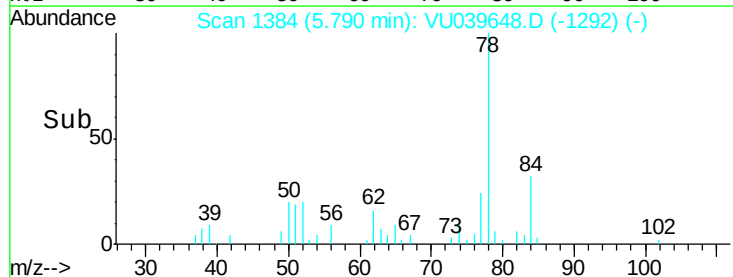
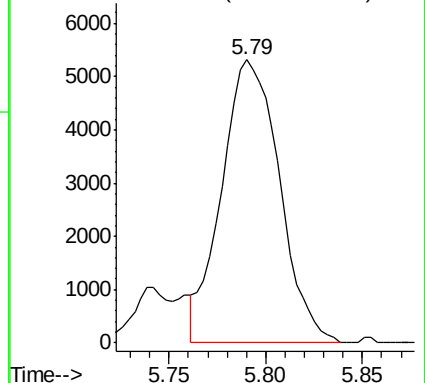
Lab File: VU039648.D

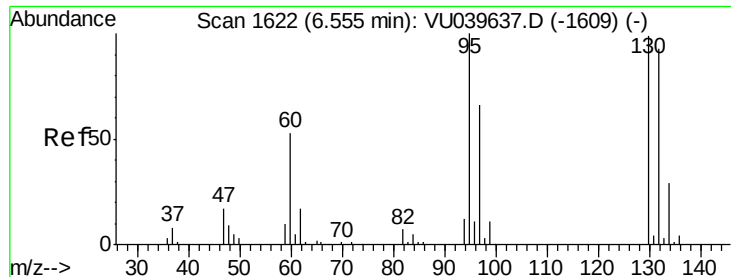
Acq: 23 Jul 2020 19:47

Tgt Ion: 78 Resp: 11066



Abundance Ion 78.00 (77.70 to 78.70): VU0

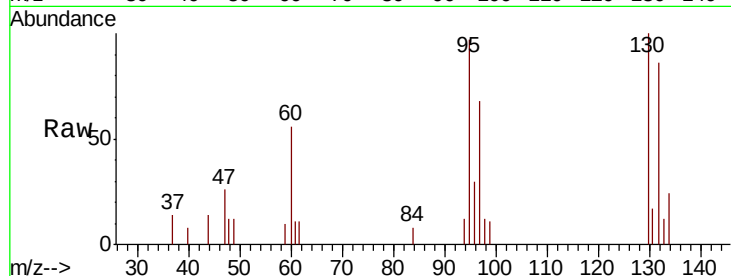




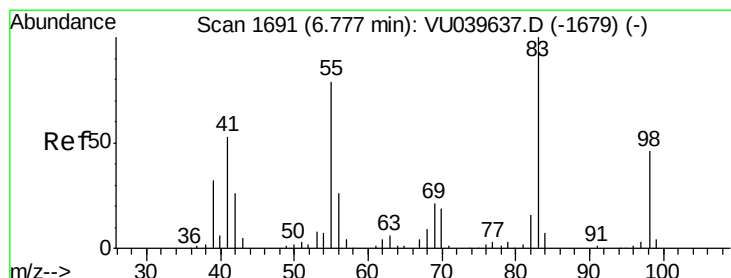
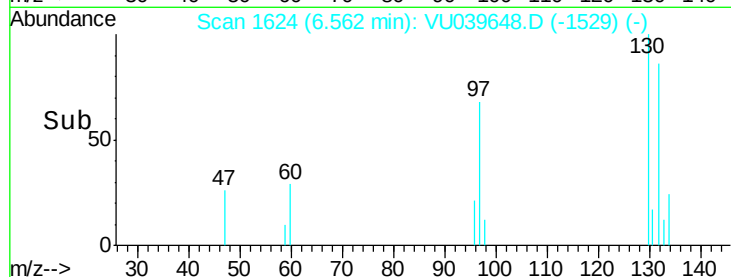
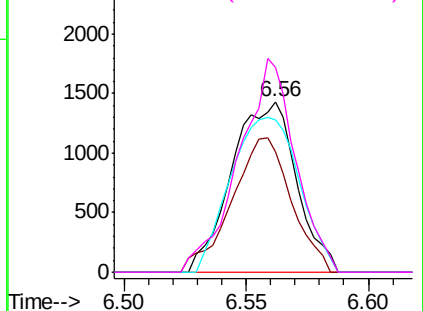
#34
 Trichloroethene
 Concen: 1.999 ug/L
 RT: 6.56 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2638
 Ion Ratio Lower Upper
 95 100
 97 70.2 45.5 84.5
 132 101.0 65.0 120.6
 130 120.4 67.9 126.1

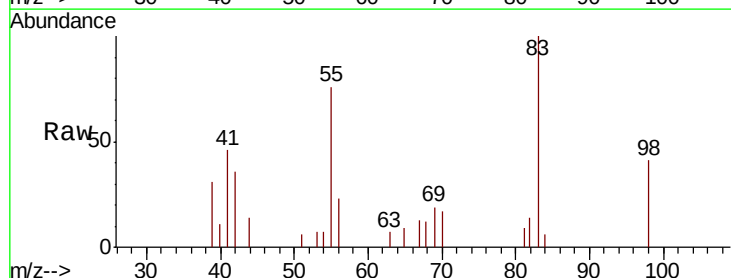


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

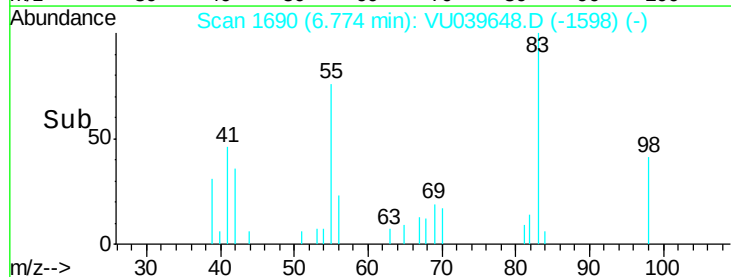
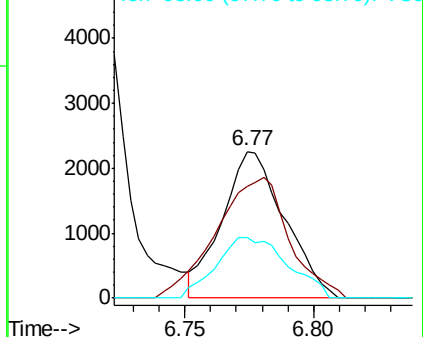


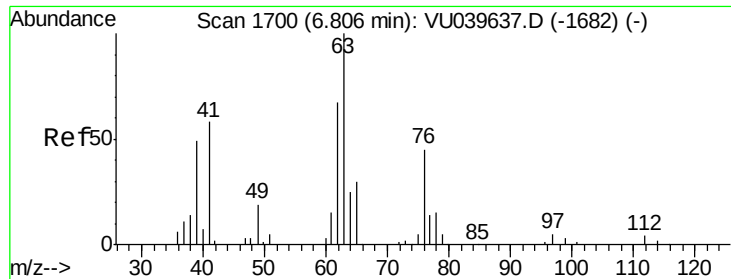
#35
 Methylcyclohexane
 Concen: 1.865 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Tgt Ion: 83 Resp: 3805
 Ion Ratio Lower Upper
 83 100
 55 96.4 62.9 94.3#
 98 47.6 36.3 54.5



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

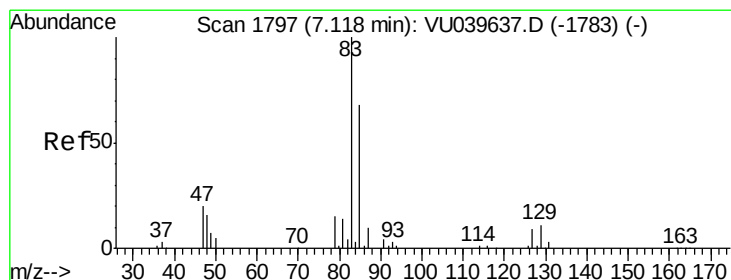
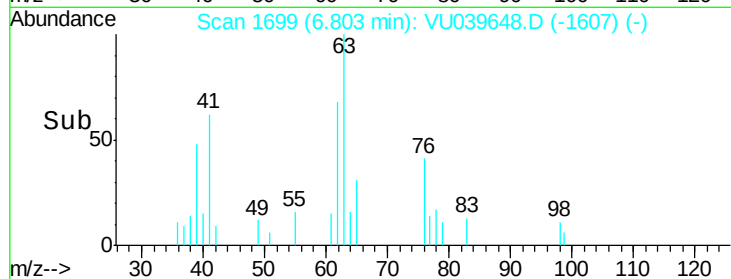
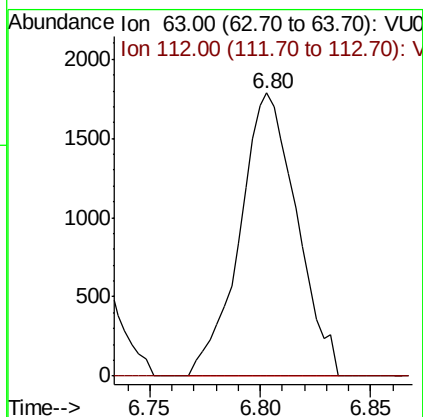
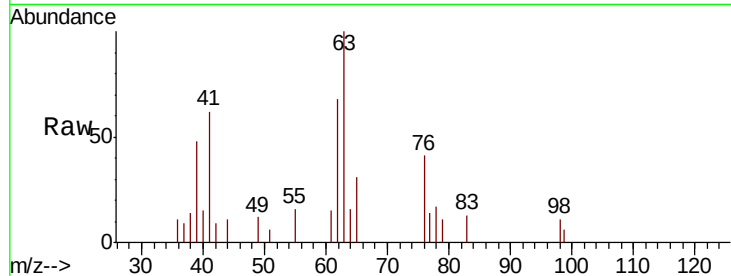




#37
 1,2-Dichloropropane
 Concen: 2.373 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

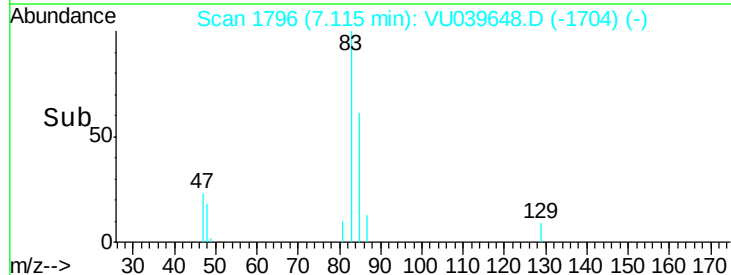
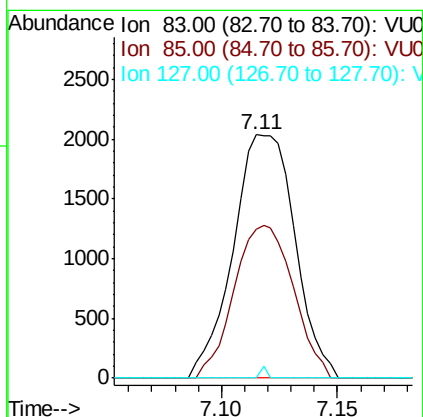
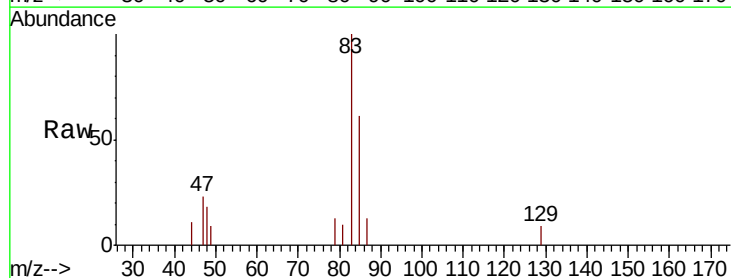
Instrument :
 MSVOA_U
 ClientSampled :

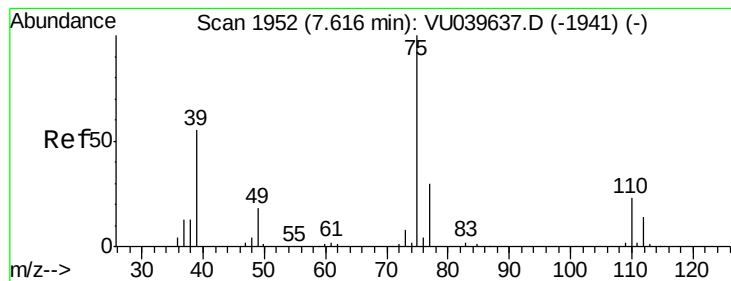
Tot Ion: 63 Resp: 3205
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 2.104 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Tgt Ion: 83 Resp: 3774
 Ion Ratio Lower Upper
 83 100
 85 60.9 45.9 85.3
 127 0.0 7.4 11.2#



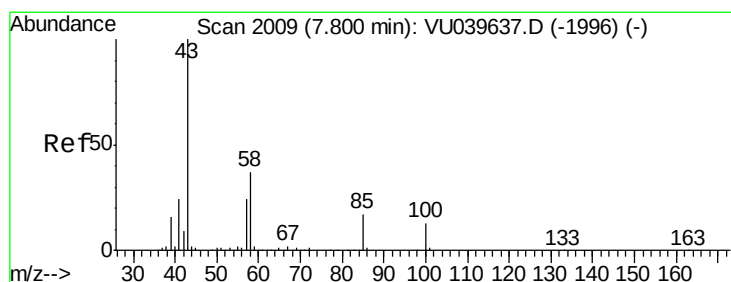
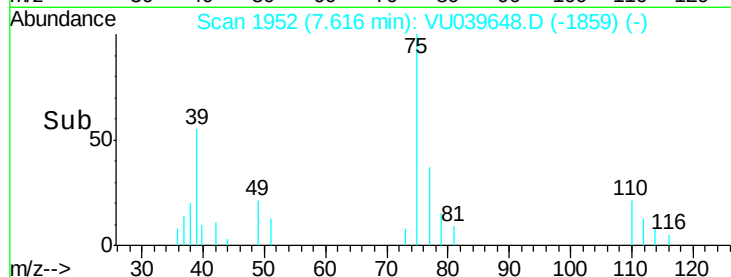
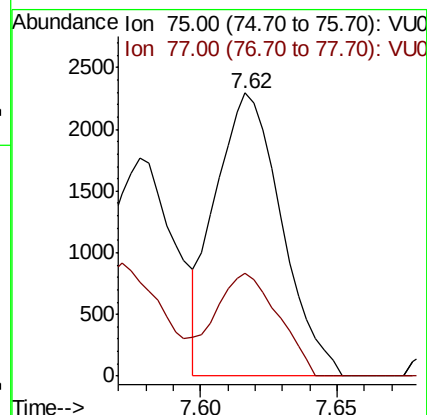
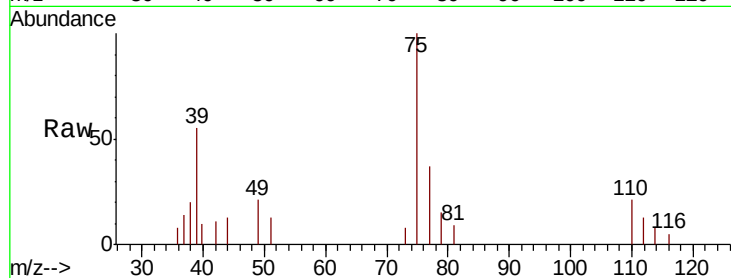


#39

cis-1,3-Dichloropropene
Concen: 1.920 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampled :

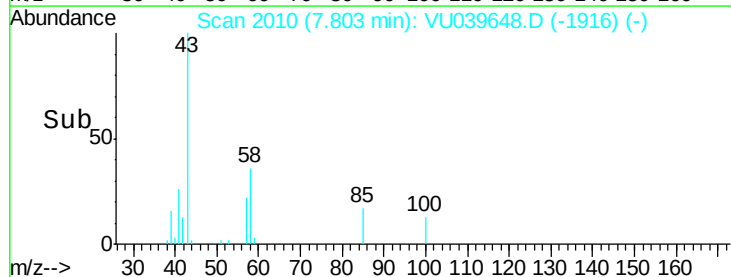
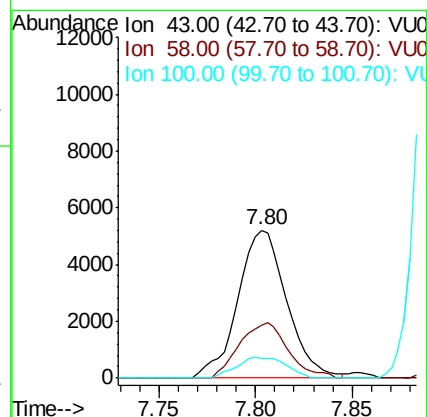
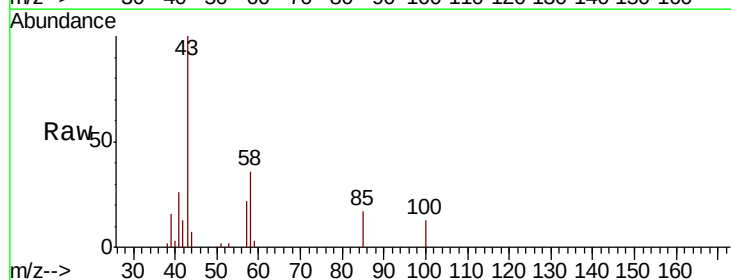
Tot Ion: 75 Resp: 3875
Ion Ratio Lower Upper
75 100
77 36.5 21.8 40.6

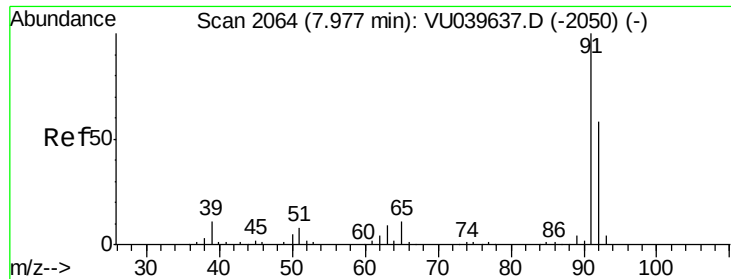


#40

4-Methyl-2-pentanone
Concen: 3.885 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 43 Resp: 9141
Ion Ratio Lower Upper
43 100
58 37.2 29.1 43.7
100 14.1 10.6 16.0





#42

Toluene

Concen: 2.083 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

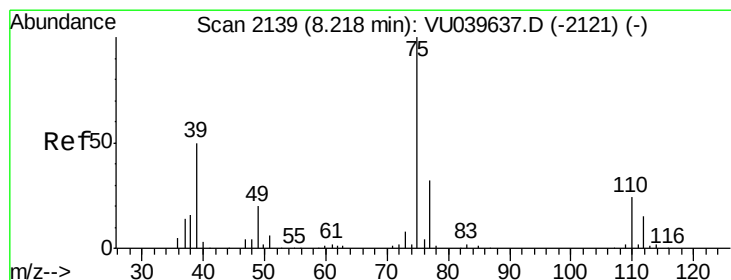
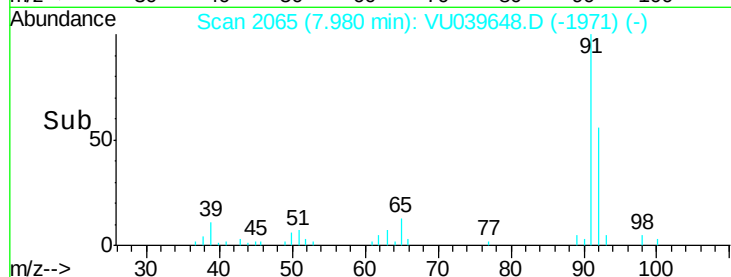
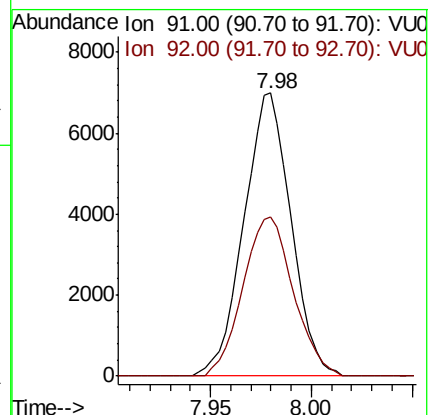
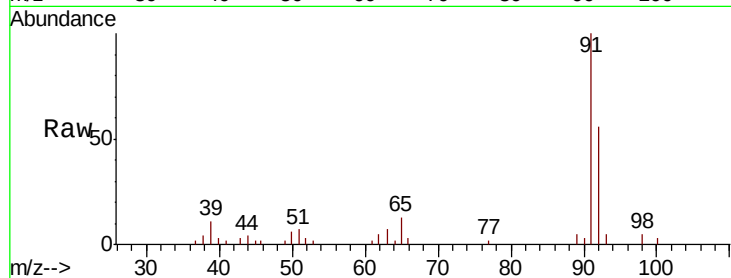
ClientSampleId :

Tot Ion: 91 Resp: 11430

Ion Ratio Lower Upper

91 100

92 56.2 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 2.213 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039648.D

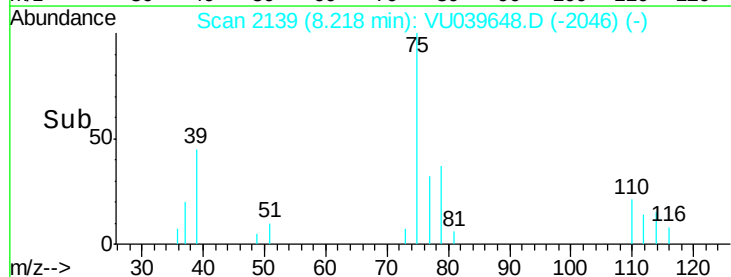
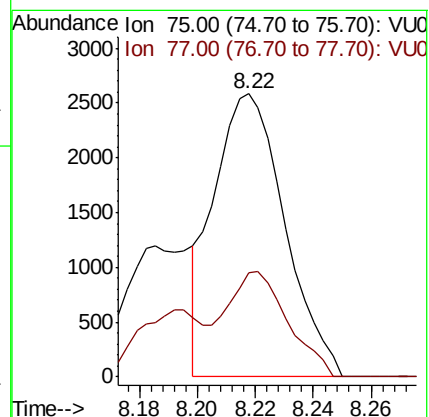
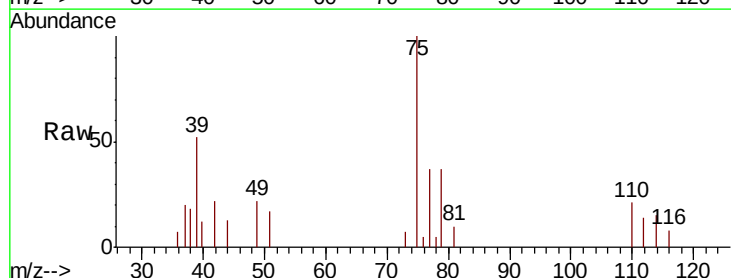
Acq: 23 Jul 2020 19:47

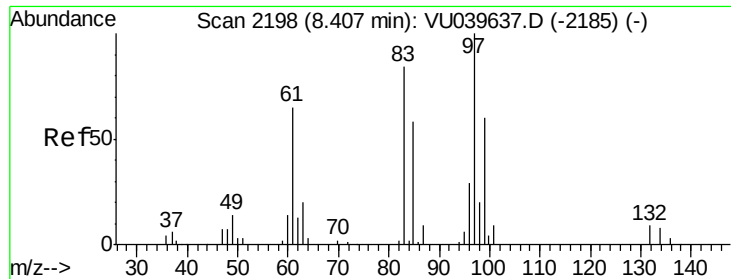
Tgt Ion: 75 Resp: 4374

Ion Ratio Lower Upper

75 100

77 36.6 22.7 42.1

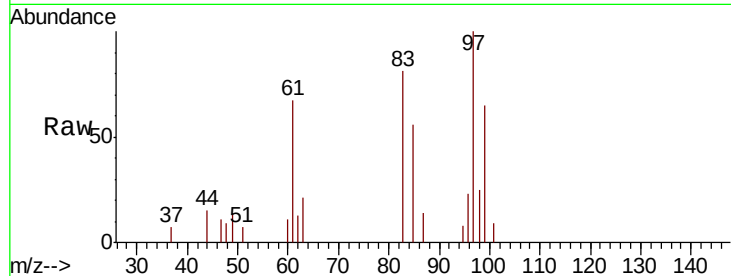




#45
1,1,2-Trichloroethane
Concen: 2.032 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	2617
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.1	83.9
83	81.3	62.7	116.5
85	55.8	41.0	76.2



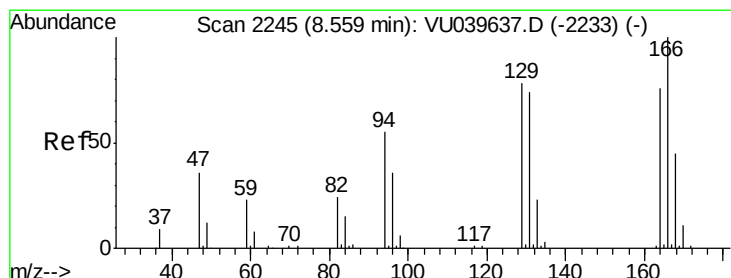
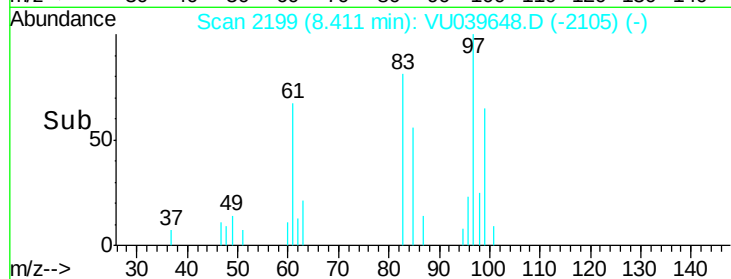
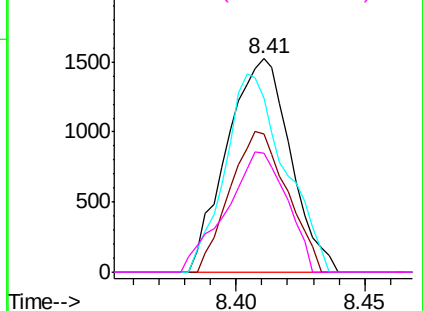
Abundance

Ion 97.00 (96.70 to 97.70): VU039648.D (-2198) (-)

Ion 99.00 (98.70 to 99.70): VU039648.D (-2198) (-)

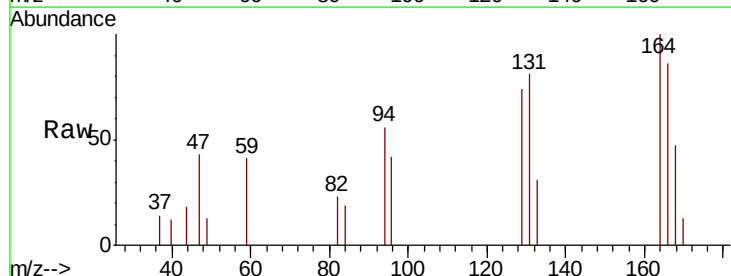
Ion 83.00 (82.70 to 83.70): VU039648.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU039648.D (-2198) (-)



#46
Tetrachloroethene
Concen: 2.034 ug/L
RT: 8.56 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion:	164	Resp:	2030
Ion	Ratio	Lower	Upper
164	100		
129	73.6	71.1	132.1
131	80.5	70.3	130.5
166	86.3	87.8	163.0#



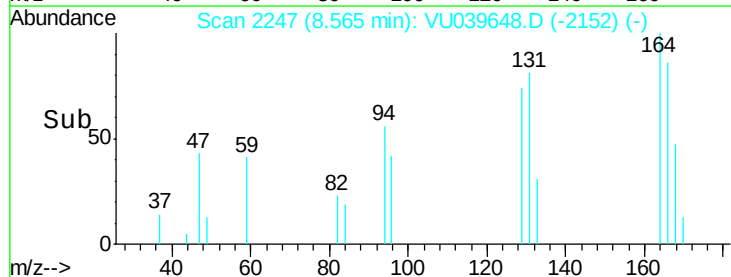
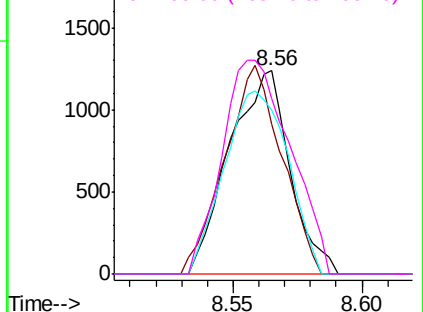
Abundance

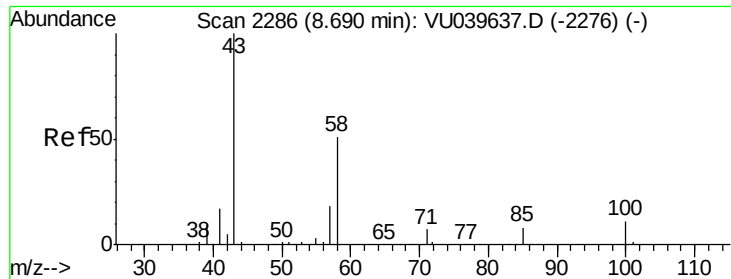
Ion 164.00 (163.70 to 164.70): VU039648.D (-2245) (-)

Ion 129.00 (128.70 to 129.70): VU039648.D (-2245) (-)

Ion 131.00 (130.70 to 131.70): VU039648.D (-2245) (-)

Ion 166.00 (165.70 to 166.70): VU039648.D (-2245) (-)

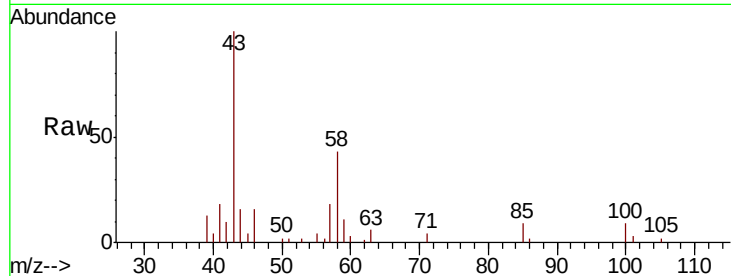




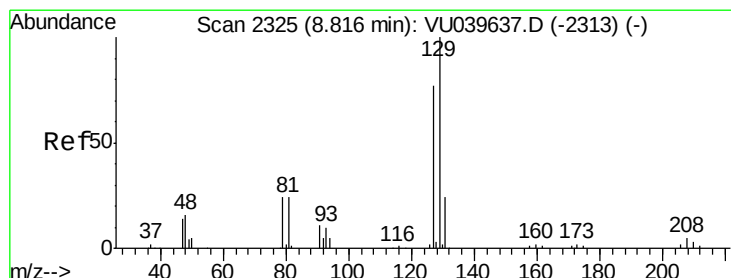
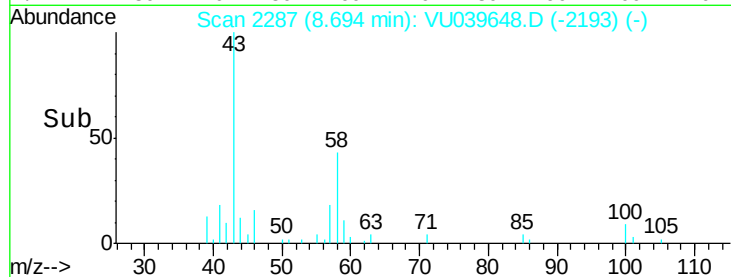
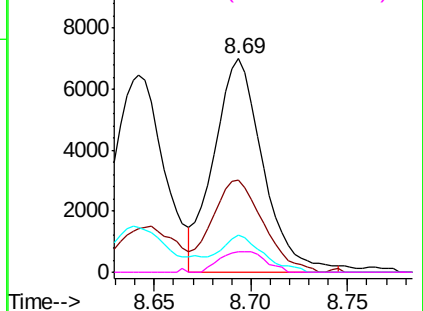
#48
2-Hexanone
Concen: 6.462 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 12390
Ion Ratio Lower Upper
43 100
58 44.9 40.6 61.0
57 15.4 14.5 21.7
100 8.9 8.0 12.0

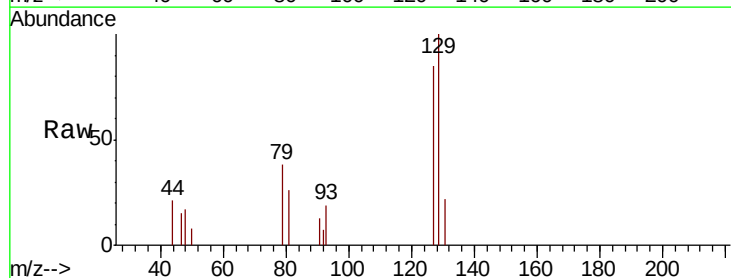


Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-2276) (-)
Ion 58.00 (57.70 to 58.70): VU039637.D (-2276) (-)
Ion 57.00 (56.70 to 57.70): VU039637.D (-2276) (-)
Ion 100.00 (99.70 to 100.70): VU039637.D (-2276) (-)

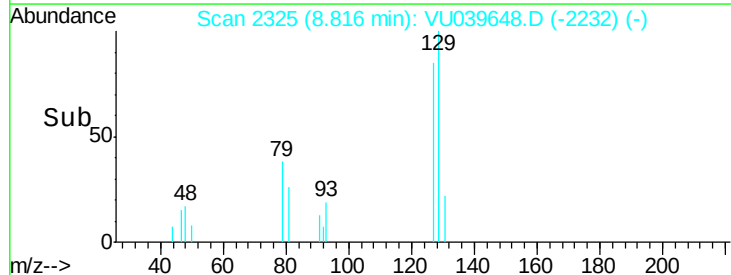
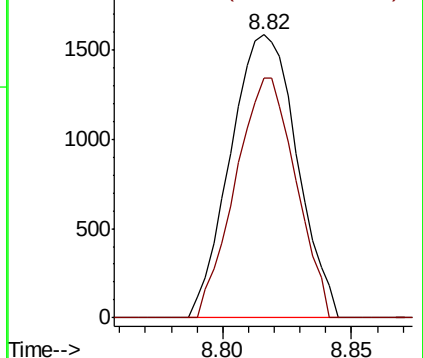


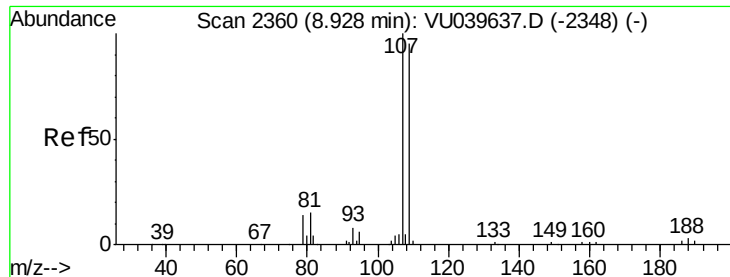
#49
Dibromochloromethane
Concen: 1.963 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion: 129 Resp: 2854
Ion Ratio Lower Upper
129 100
127 84.9 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039637.D (-2313) (-)
Ion 127.00 (126.70 to 127.70): VU039637.D (-2313) (-)

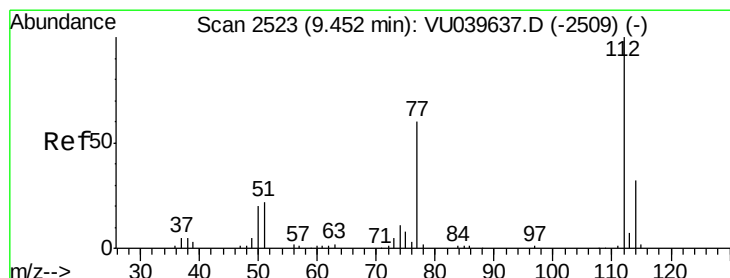
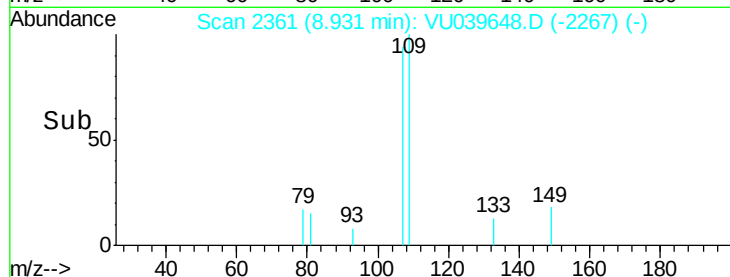
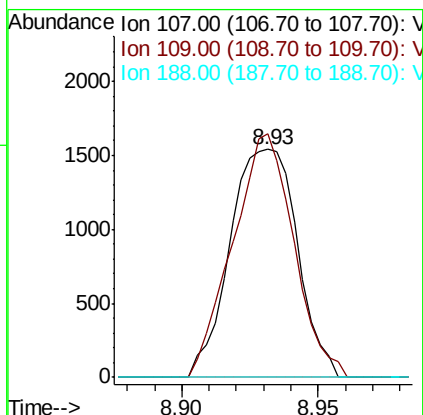
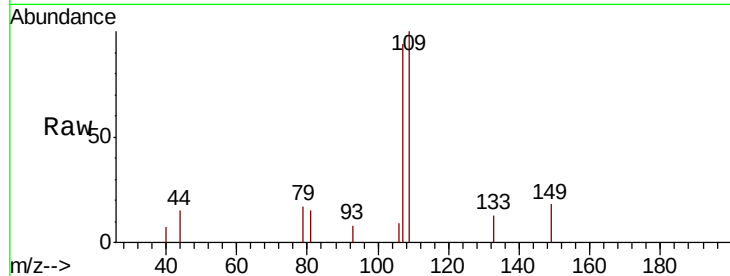




#50
1,2-Dibromoethane
Concen: 1.842 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

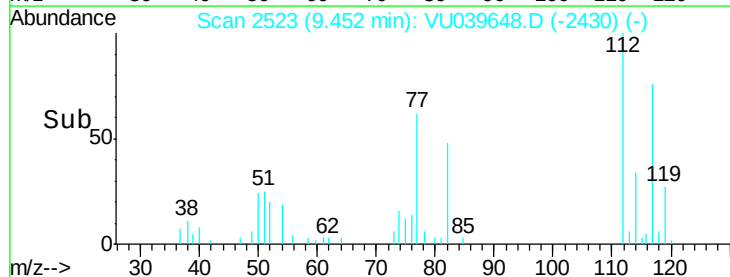
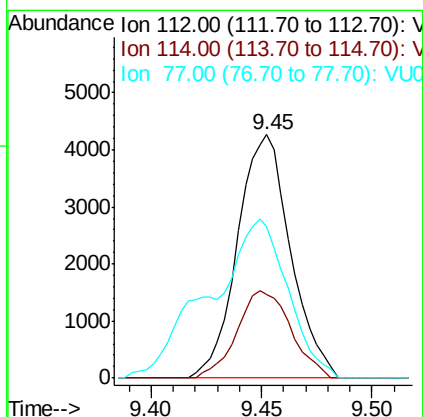
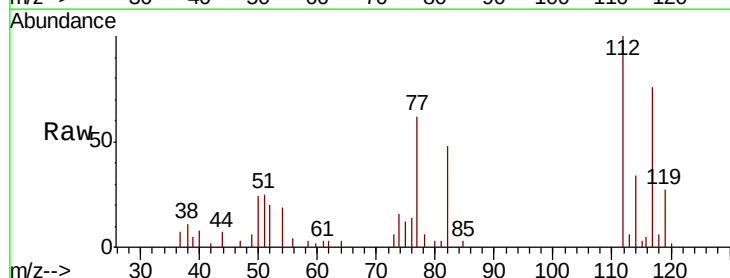
Instrument :
MSVOA_U
ClientSampleId :

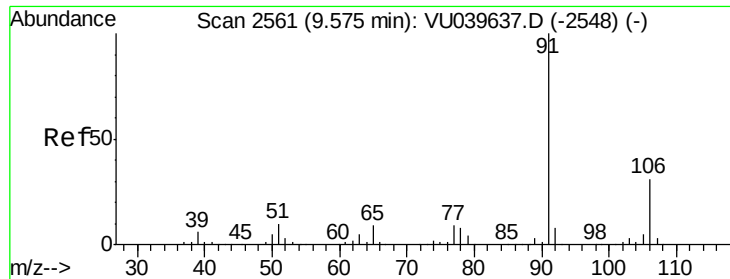
Tot Ion:107 Resp: 2640
Ion Ratio Lower Upper
107 100
109 106.8 66.8 124.2
188 0.0 3.0 4.4#



#51
Chlorobenzene
Concen: 2.038 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039648.D
Acq: 23 Jul 2020 19:47

Tgt Ion:112 Resp: 7135
Ion Ratio Lower Upper
112 100
114 34.4 22.9 42.5
77 62.3 49.4 74.0





#52

Ethylbenzene

Concen: 1.980 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

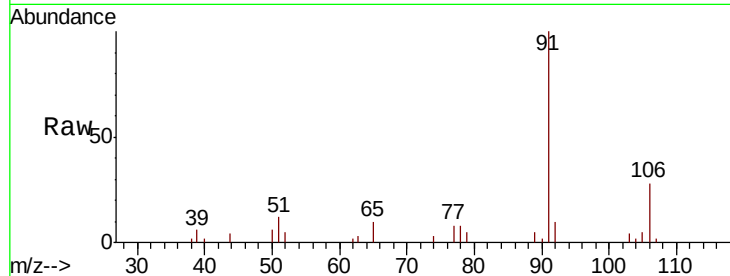
ClientSampleId :

Tot Ion: 91 Resp: 12006

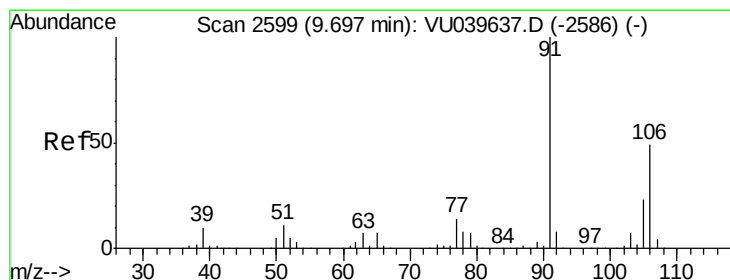
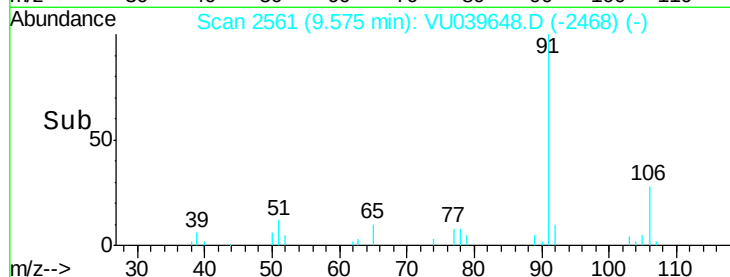
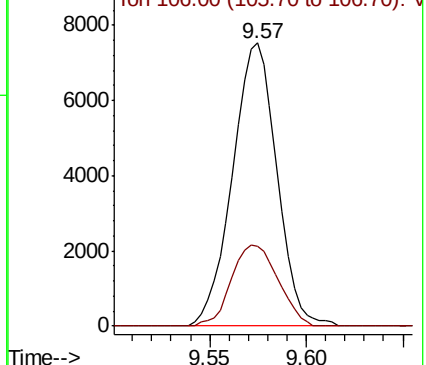
Ion Ratio Lower Upper

91 100

106 28.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2548) (-)



#53

m,p-Xylene

Concen: 1.755 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039648.D

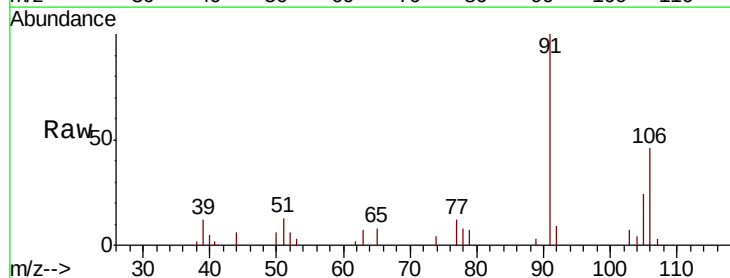
Acq: 23 Jul 2020 19:47

Tgt Ion: 106 Resp: 4010

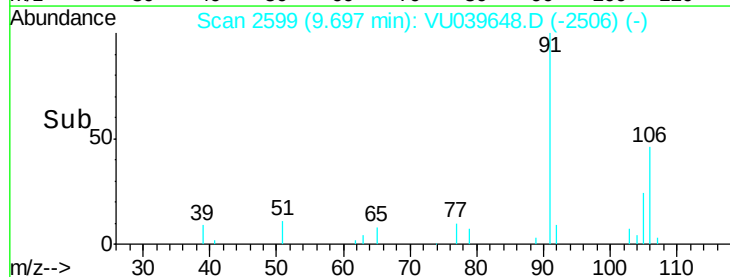
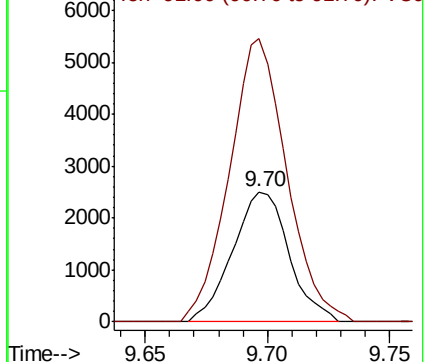
Ion Ratio Lower Upper

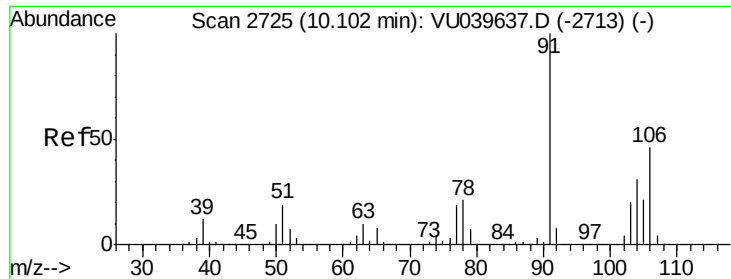
106 100

91 218.1 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039637.D (-2586) (-)





#54

o-xylene

Concen: 1.984 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

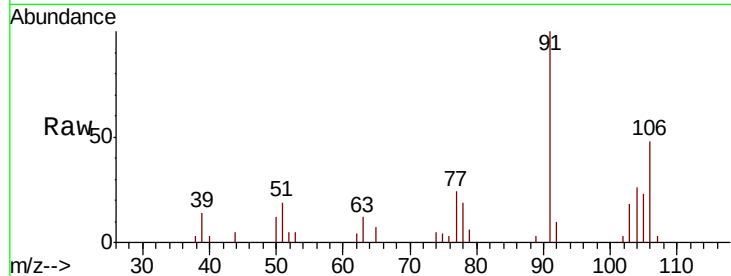
ClientSampled :

Tot Ion:106 Resp: 4350

Ion Ratio Lower Upper

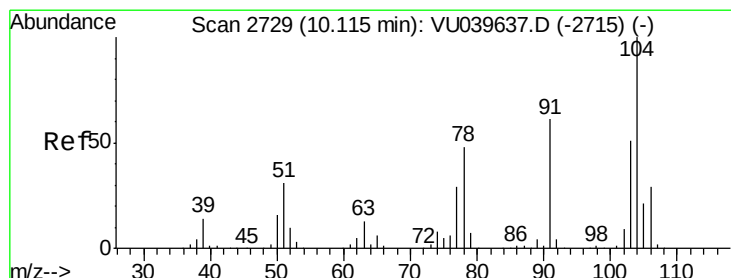
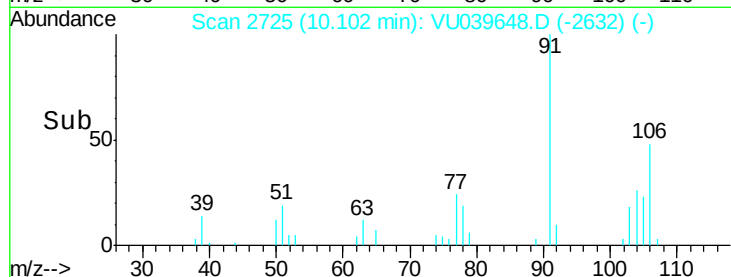
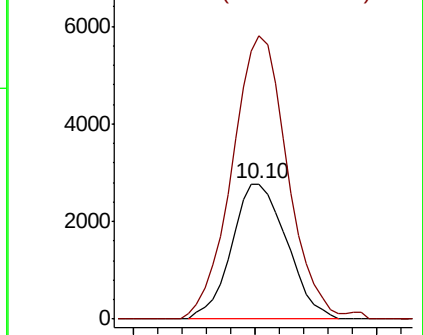
106 100

91 209.7 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.694 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039648.D

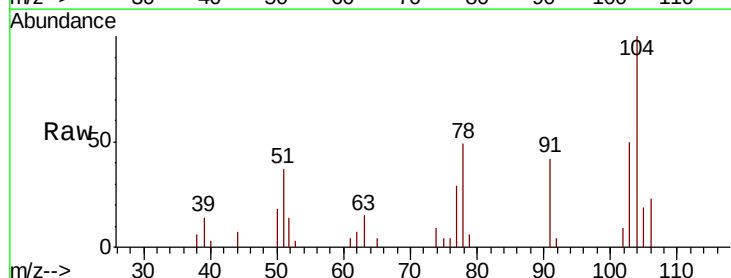
Acq: 23 Jul 2020 19:47

Tgt Ion:104 Resp: 6430

Ion Ratio Lower Upper

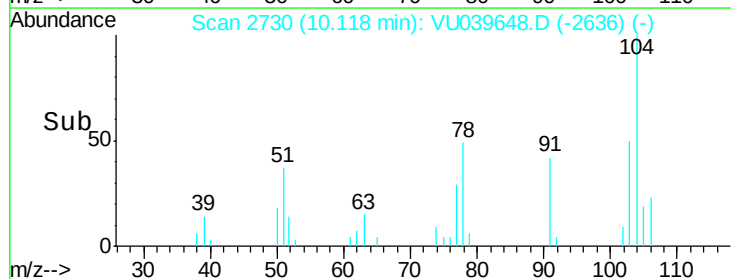
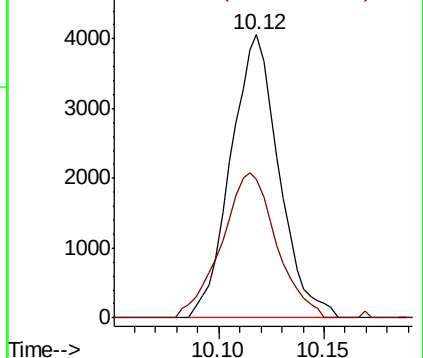
104 100

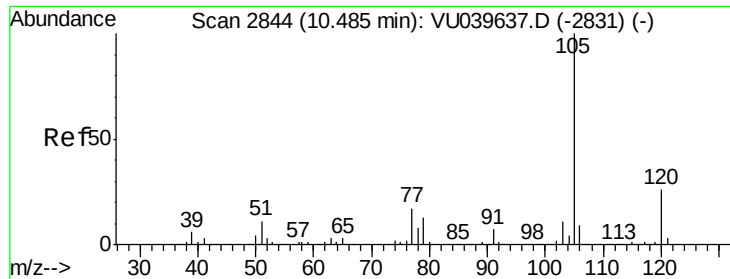
78 48.9 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.857 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

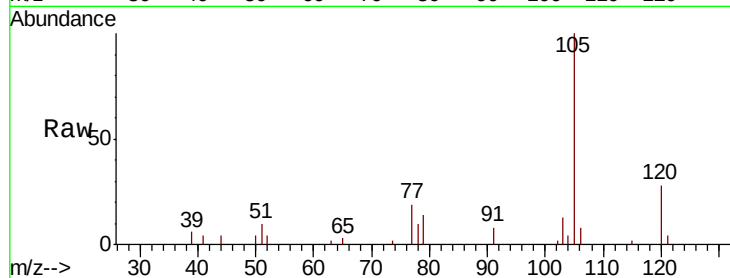
Tot Ion:105 Resp: 11055

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

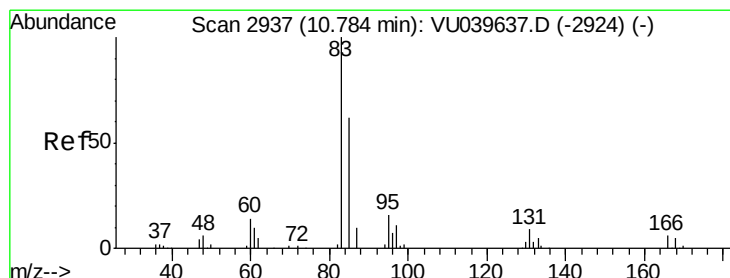
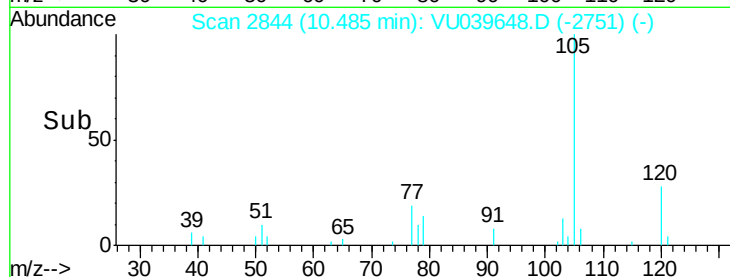
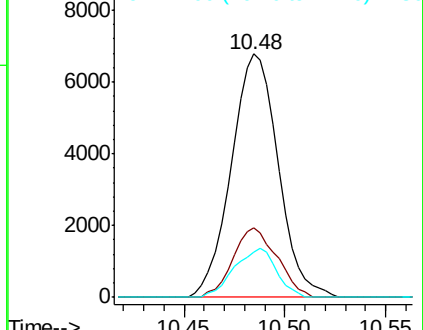
77 18.0 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.212 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

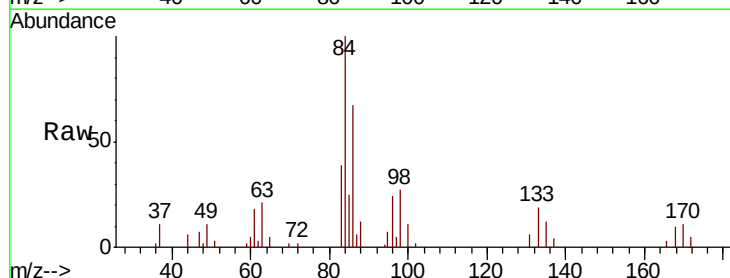
Tgt Ion: 83 Resp: 5194

Ion Ratio Lower Upper

83 100

85 63.3 46.4 86.2

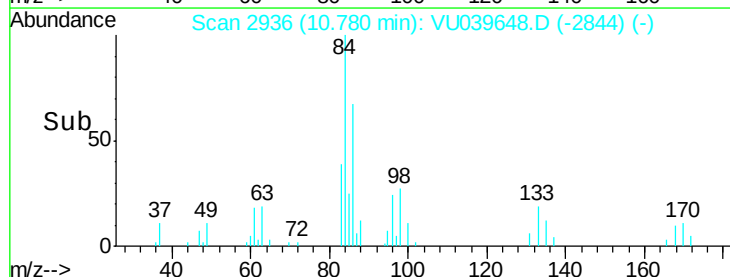
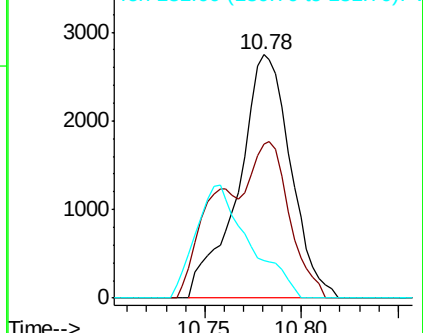
131 15.2 7.8 11.6#

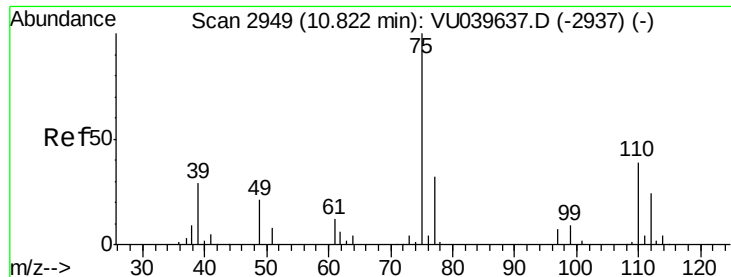


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

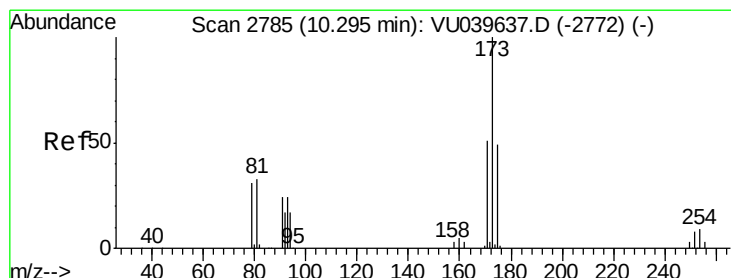
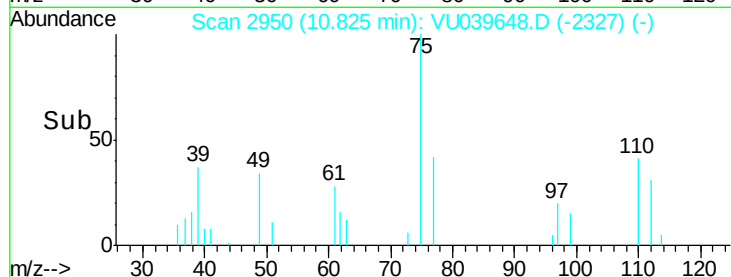
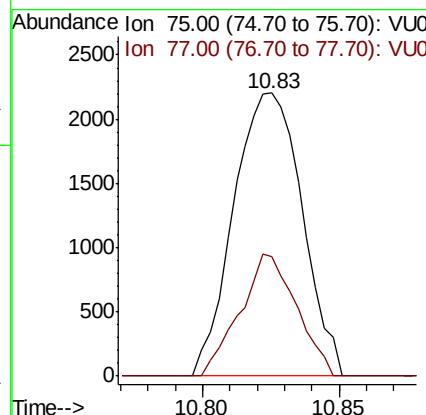
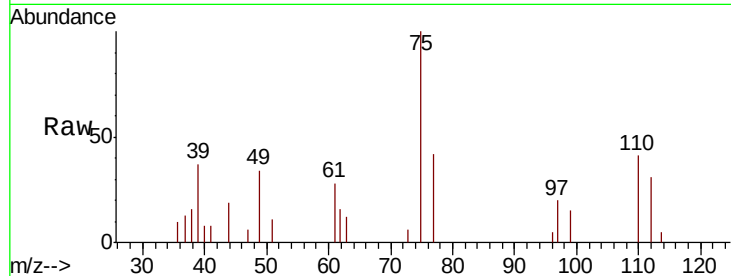




#59
 1,2,3-Trichloropropane
 Concen: 1.957 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

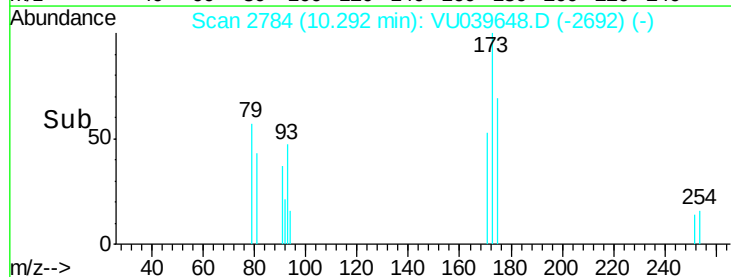
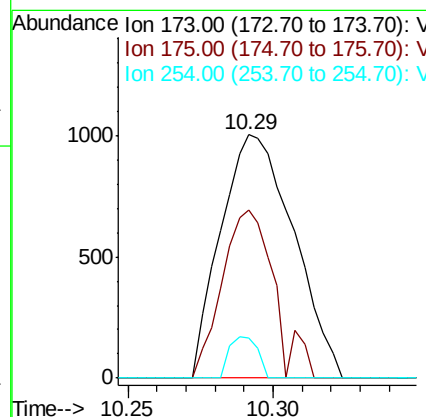
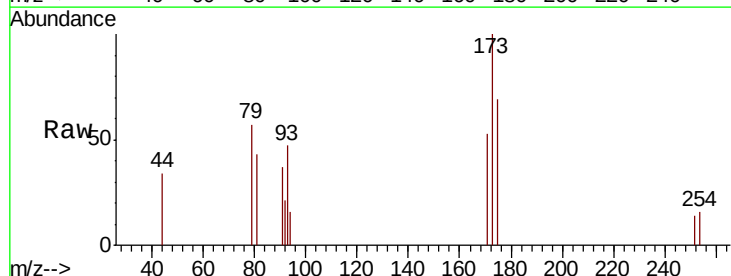
Instrument :
 MSVOA_U
 ClientSampleId :

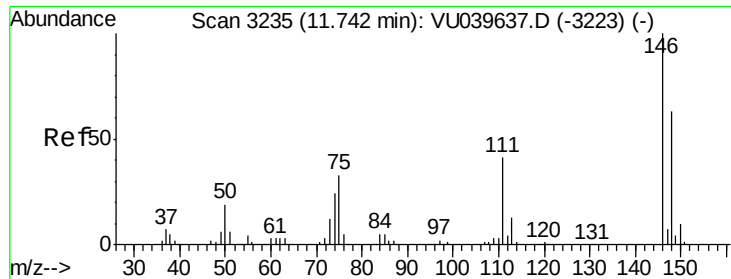
Tot Ion: 75 Resp: 3835
 Ion Ratio Lower Upper
 75 100
 77 35.5 25.4 38.2



#61
 Bromoform
 Concen: 1.744 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Tgt Ion: 173 Resp: 1748
 Ion Ratio Lower Upper
 173 100
 175 45.5 38.4 57.6
 254 6.6 7.0 10.6#

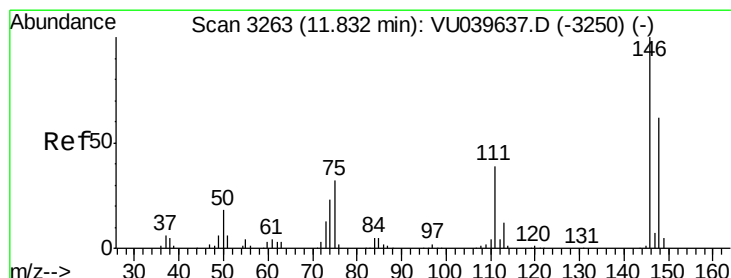
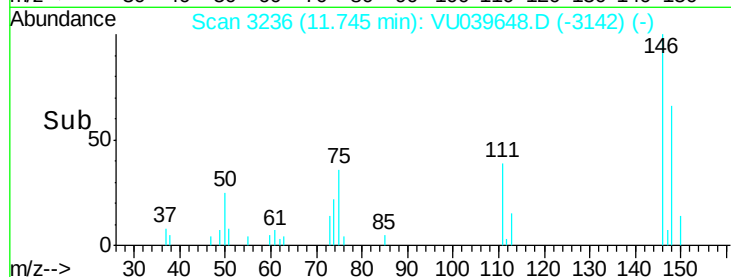
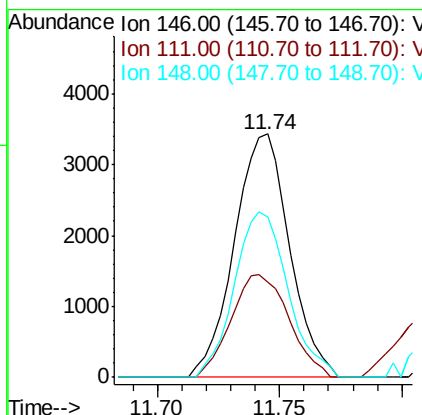
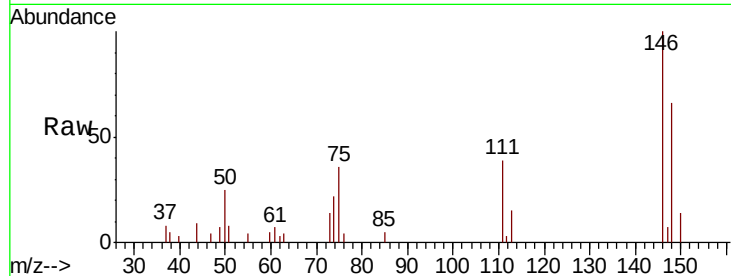




#62
 1,3-Dichlorobenzene
 Concen: 2.071 ug/L
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

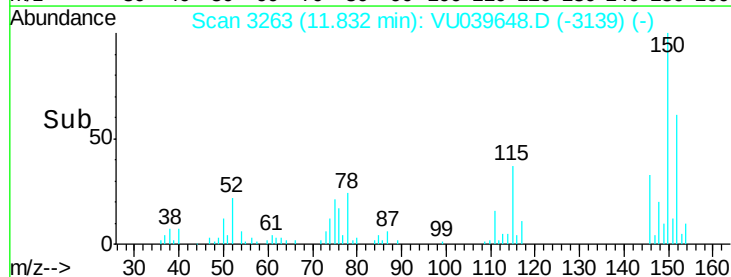
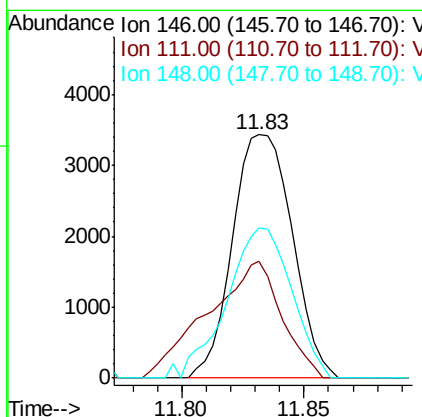
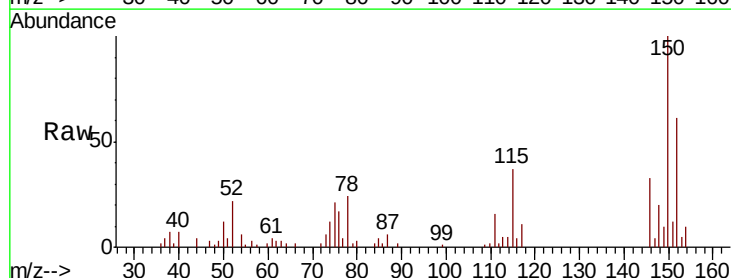
Instrument :
 MSVOA_U
 ClientSampleId :

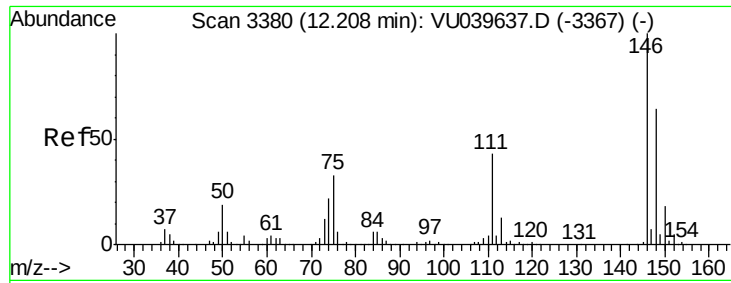
Tot Ion:146 Resp: 5377
 Ion Ratio Lower Upper
 146 100
 111 39.3 29.3 54.3
 148 66.0 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 2.252 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Tgt Ion:146 Resp: 5857
 Ion Ratio Lower Upper
 146 100
 111 47.9 27.8 51.6
 148 61.6 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 2.198 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampled :

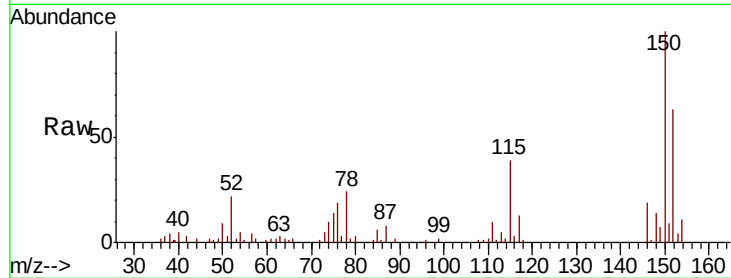
Tot Ion:146 Resp: 5766

Ion Ratio Lower Upper

146 100

111 49.9 34.8 52.2

148 71.8 52.5 78.7

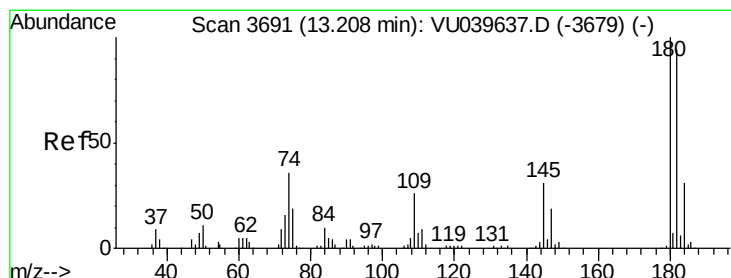
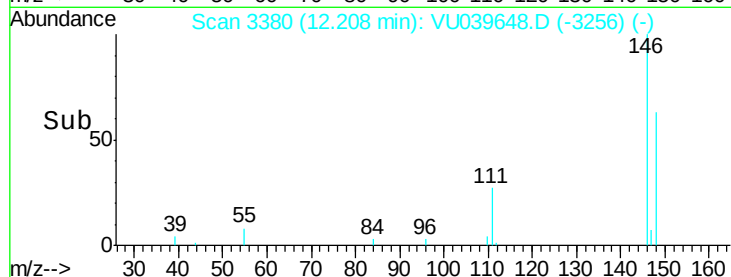
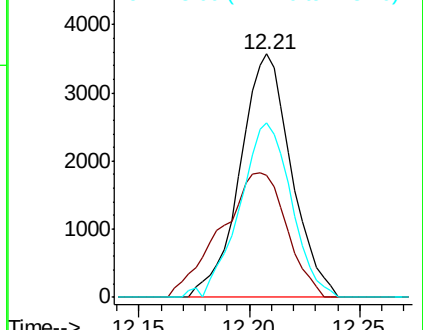


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.012 ug/L

RT: 13.21 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VU039648.D

Acq: 23 Jul 2020 19:47

Tgt Ion:180 Resp: 3767

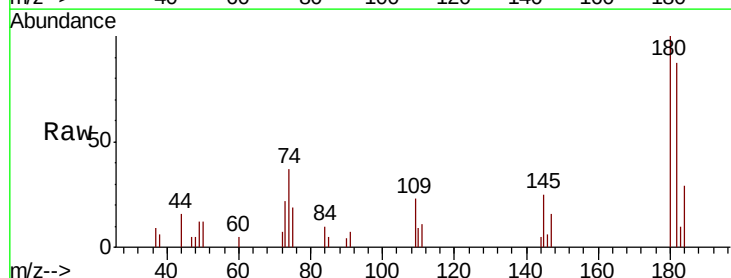
Ion Ratio Lower Upper

180 100

182 84.4 75.7 113.5

184 30.8 24.2 36.2

145 27.6 24.6 36.8



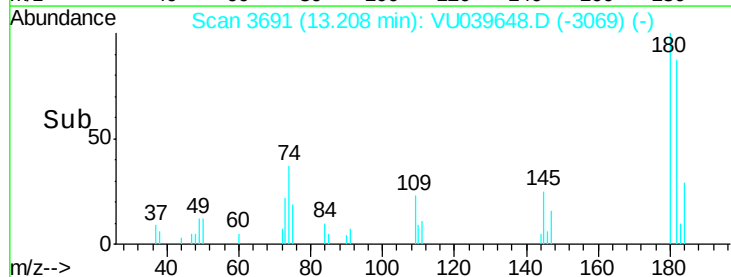
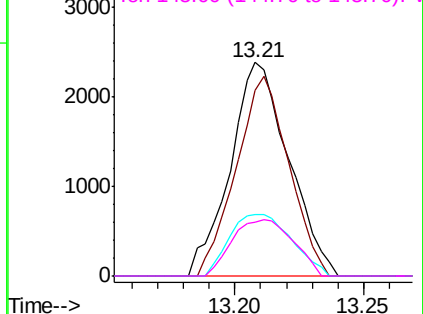
Abundance

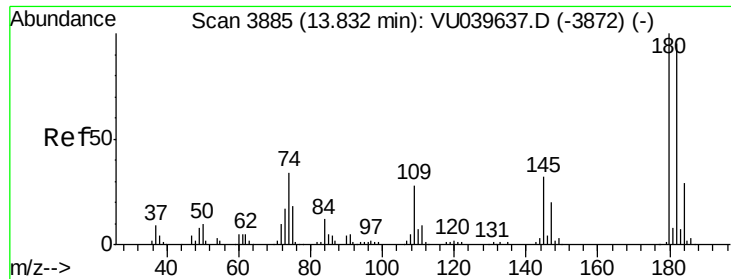
Ion 180.00 (179.70 to 180.70): V

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

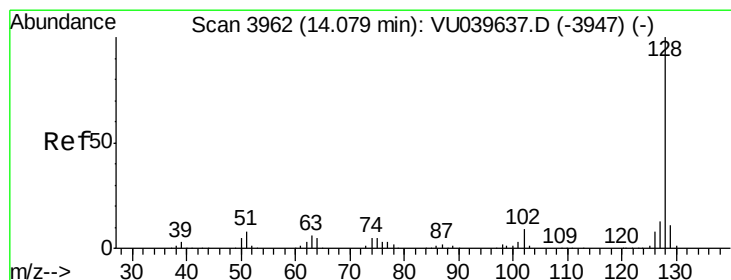
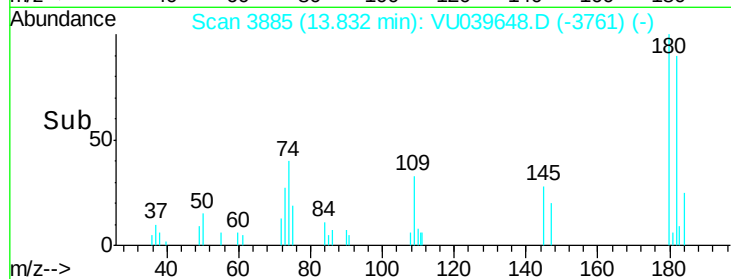
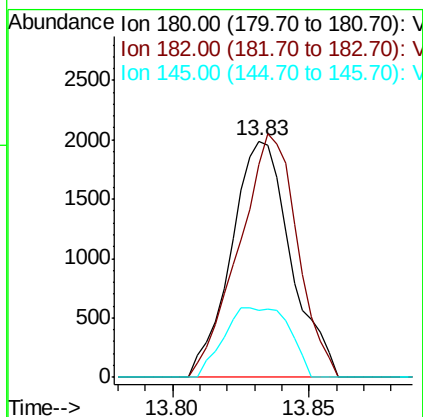
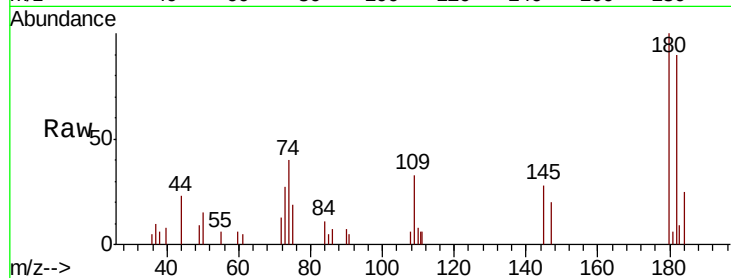




#68
 1,2,4-trichlorobenzene
 Concen: 1.892 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

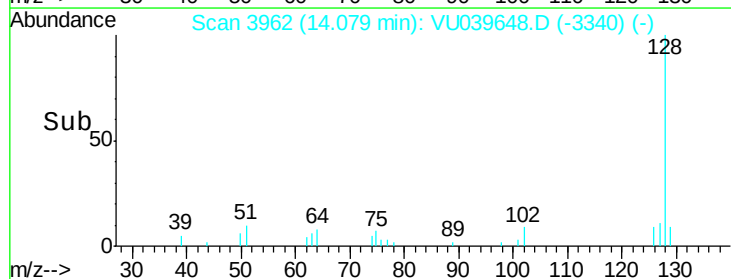
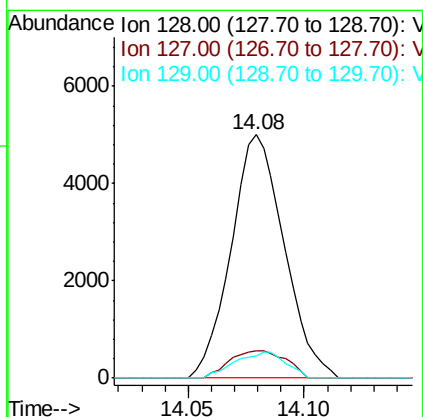
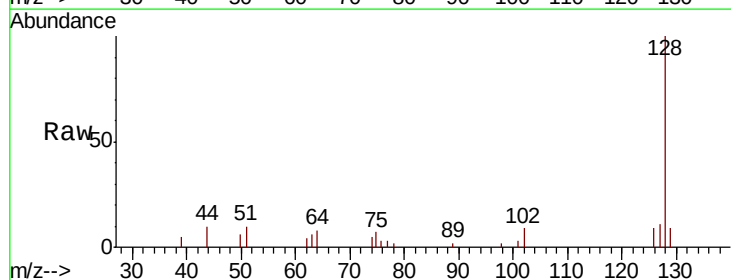
Instrument :
 MSVOA_U
 ClientSampleId :

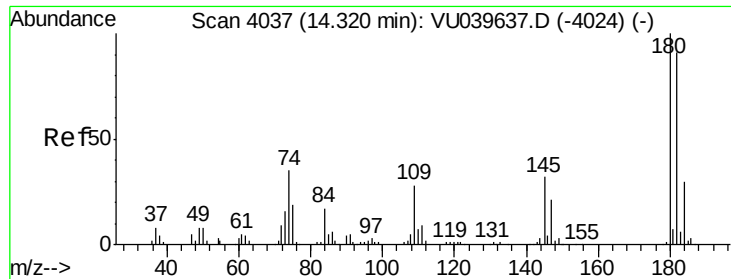
Tot Ion:180 Resp: 3006
 Ion Ratio Lower Upper
 180 100
 182 101.3 74.4 111.6
 145 18.7 24.8 37.2#



#69
 Naphthalene
 Concen: 1.665 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Tgt Ion:128 Resp: 7936
 Ion Ratio Lower Upper
 128 100
 127 12.0 10.7 16.1
 129 10.3 8.8 13.2

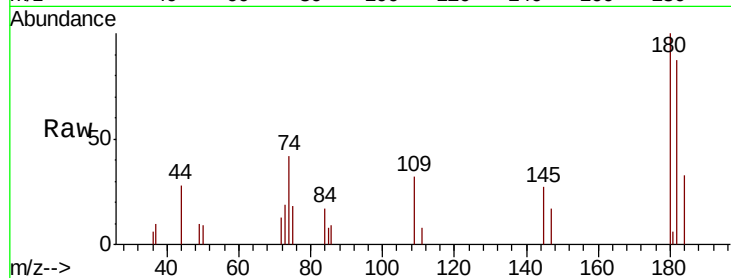




#70
 1,2,3-Trichlorobenzene
 Concen: 1.834 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU039648.D
 Acq: 23 Jul 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	2943
Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.6	114.8
145	28.6	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

