

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039892.D
 Acq On : 17 Aug 2020 17:27
 Operator : SY/MD
 Sample : L3517-07 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M01

Quant Time: Aug 18 04:27:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 04:18:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	80774	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81196	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17382	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.92	69	19074	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.58	63	27277	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.67	46	69432	36.19	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.38%
24) Chloroform-d	5.08	84	44850	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.72	65	26186	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.75	84	80589	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.70	67	29454	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.91	98	63483	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	8.19	79	10438	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.64	63	60045	43.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26849	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	29733	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	143395	126.791	ug/L	58
15) Methyl Acetate	3.09	43	815	0.292	ug/L #	55
16) Methylene chloride	3.06	84	1692	0.218	ug/L	86
21) 2-Butanone	4.74	43	24973	14.012	ug/L #	65
22) cis-1,2-Dichloroethene	4.69	96	867	0.149	ug/L #	40
33) Benzene	5.79	78	2059	0.093	ug/L	100
35) Methylcyclohexane	6.70	83	6369	0.695	ug/L #	22
37) 1,2-Dichloropropane	6.70	63	3056	0.520	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	790	0.099	ug/L #	48
40) 4-Methyl-2-pentanone	7.80	43	29236	6.658	ug/L	96
42) Toluene	7.97	91	4524	0.195	ug/L	89
47) Tetrachloroethene	8.56	164	504	0.106	ug/L #	82
48) 2-Hexanone	8.70	43	4242	1.338	ug/L #	91
52) Ethylbenzene	9.57	91	8330	0.320	ug/L	97
53) m,p-Xylene	9.69	106	11215	1.132	ug/L	90
54) o-Xylene	10.10	106	3284	0.338	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	599	0.080	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
Data File : VU039892.D
Acq On : 17 Aug 2020 17:27
Operator : SY/MD
Sample : L3517-07 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F4M01

Quant Time: Aug 18 04:27:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 18 04:18:42 2020
Response via : Initial Calibration

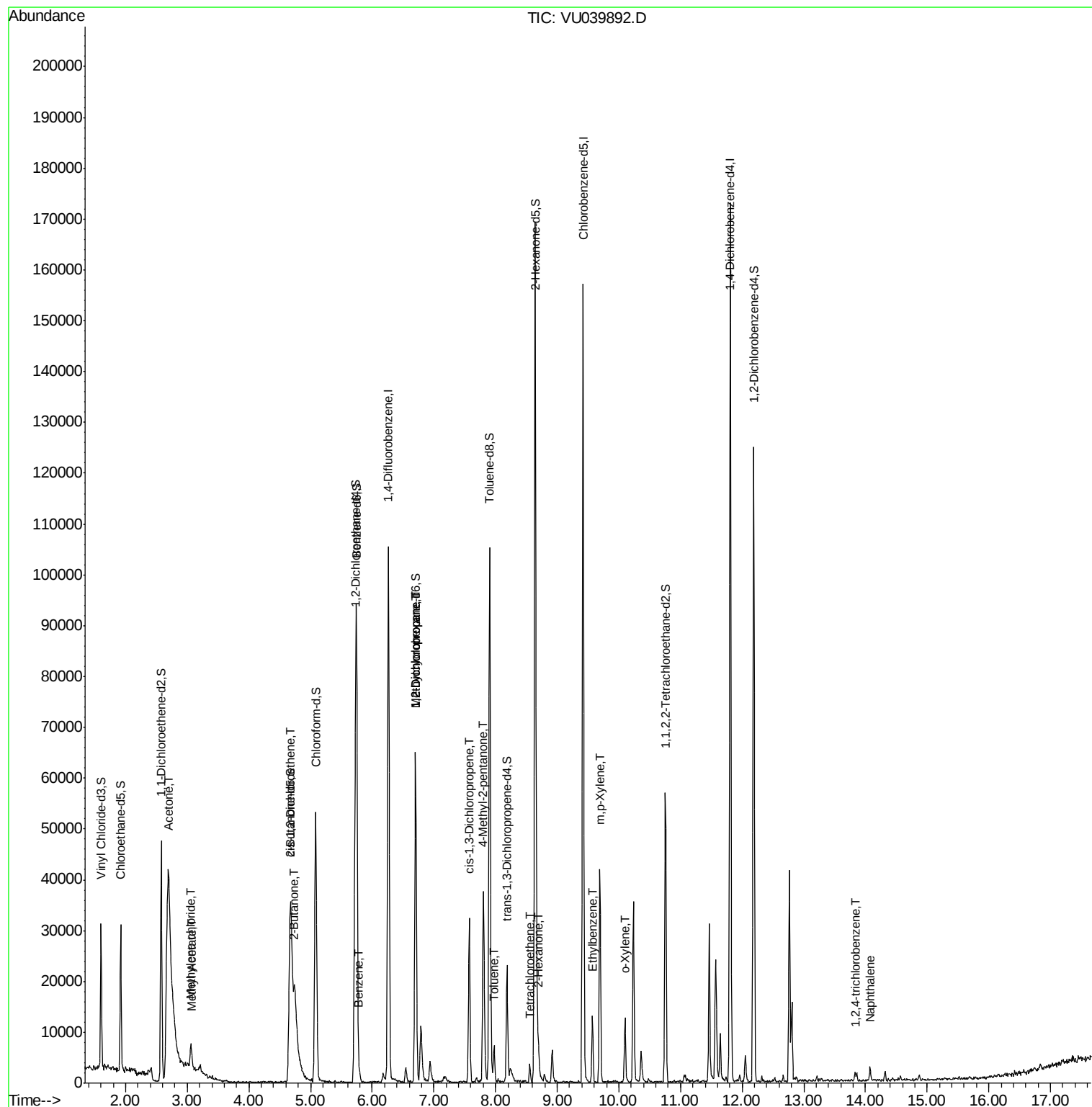
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.07	128	2562	0.191	ug/L #	85
-----	-----	-----	-----	-----	-----	-----

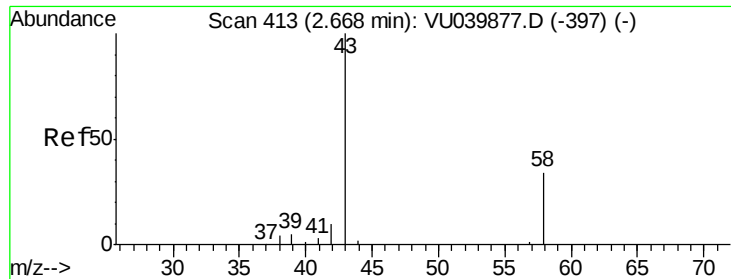
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
Data File : VU039892.D
Acq On : 17 Aug 2020 17:27
Operator : SY/MD
Sample : L3517-07 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F4M01

Quant Time: Aug 18 04:27:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 18 04:18:42 2020
Response via : Initial Calibration





#13

Acetone

Concen: 126.791 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

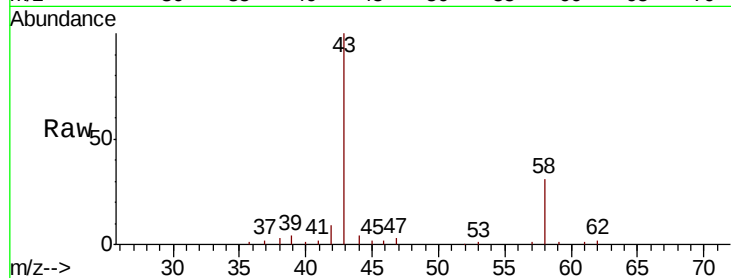
F4M01

Tot Ion: 43 Resp: 143395

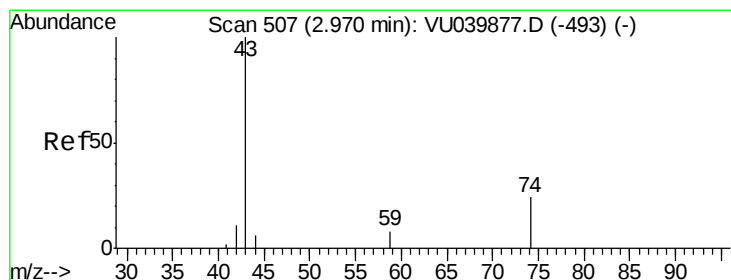
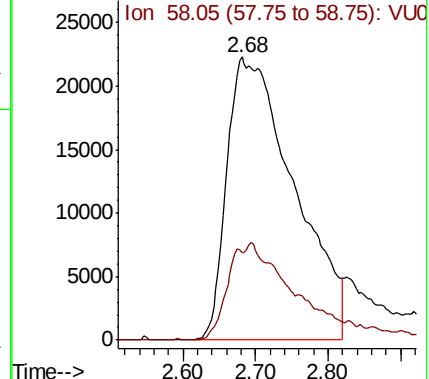
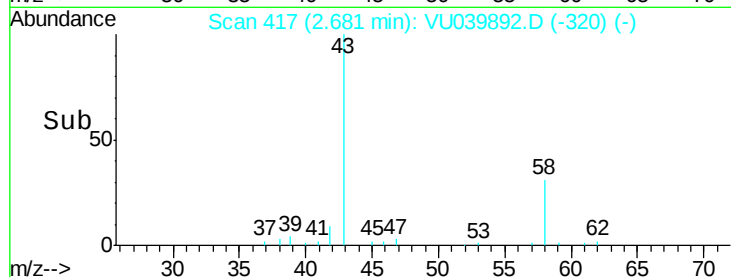
Ion Ratio Lower Upper

43 100

58 7.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039892.D (-320) (-)



#15

Methyl Acetate

Concen: 0.292 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.12 min

Lab File: VU039892.D

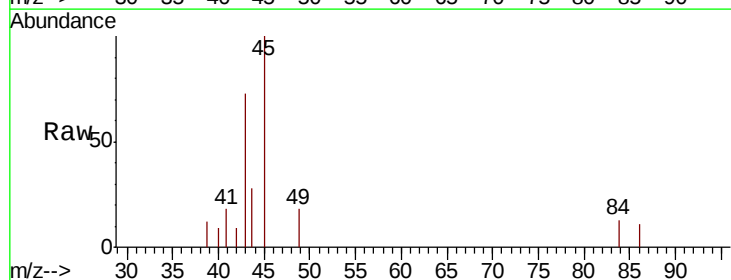
Acq: 17 Aug 2020 17:27

Tgt Ion: 43 Resp: 815

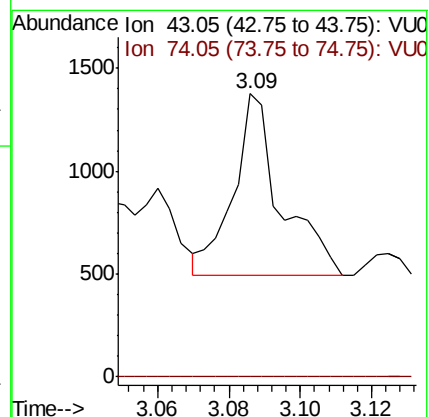
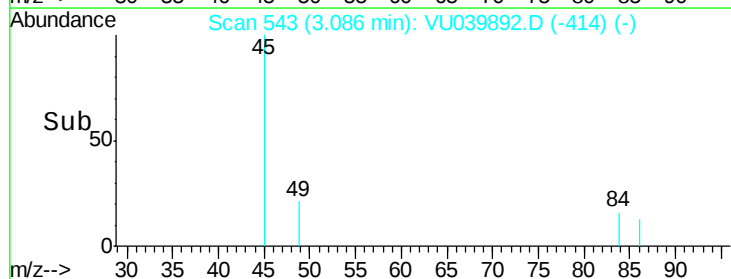
Ion Ratio Lower Upper

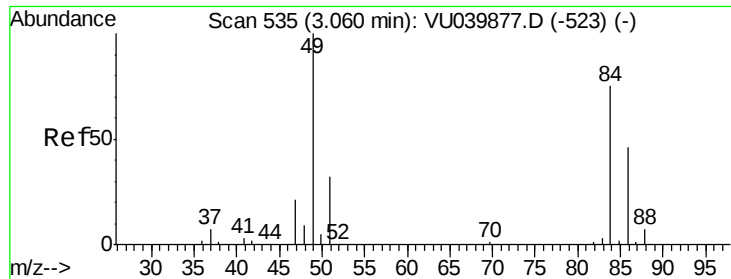
43 100

74 0.0 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039892.D (-414) (-)

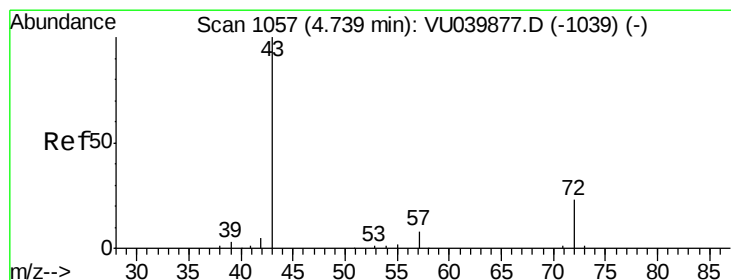
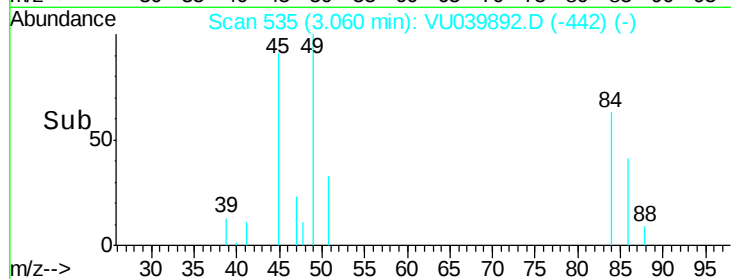
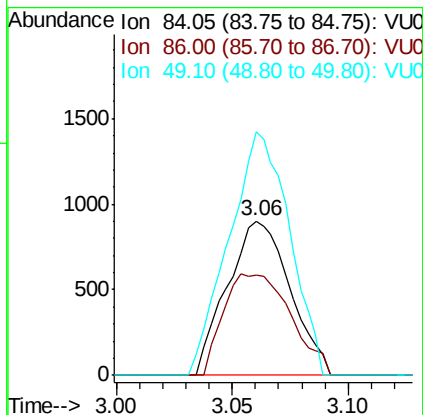
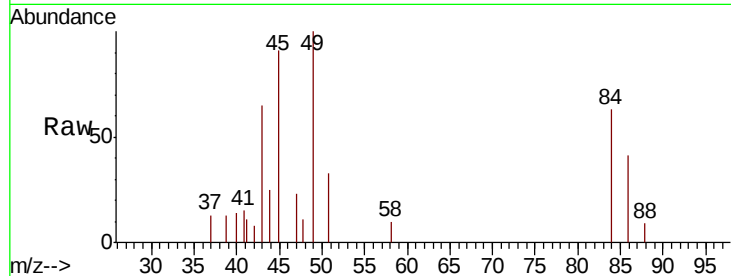




#16
Methvlene chloride
Concen: 0.218 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

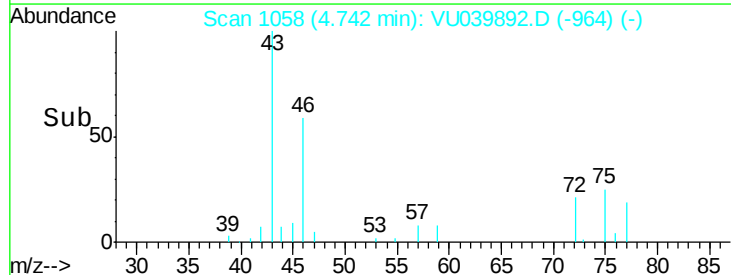
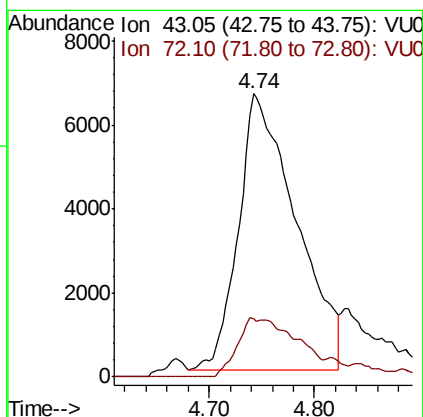
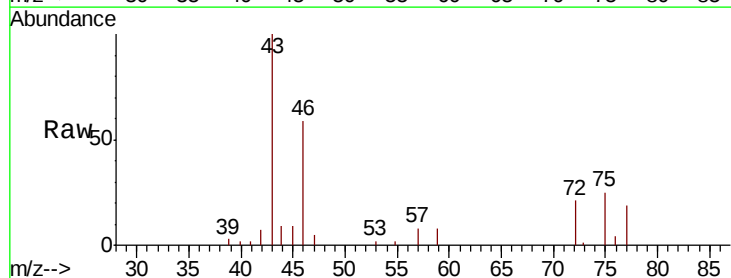
Instrument :
MSVOA_U
ClientSampleId :
F4M01

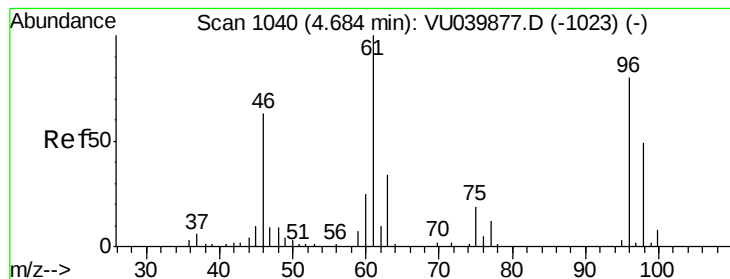
Tot Ion: 84 Resp: 1692
Ion Ratio Lower Upper
84 100
86 64.7 43.9 81.5
49 158.1 94.4 175.4



#21
2-Butanone
Concen: 14.012 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

Tgt Ion: 43 Resp: 24973
Ion Ratio Lower Upper
43 100
72 8.4 13.0 39.0#





#22

cis-1,2-Dichloroethene

Concen: 0.149 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

F4M01

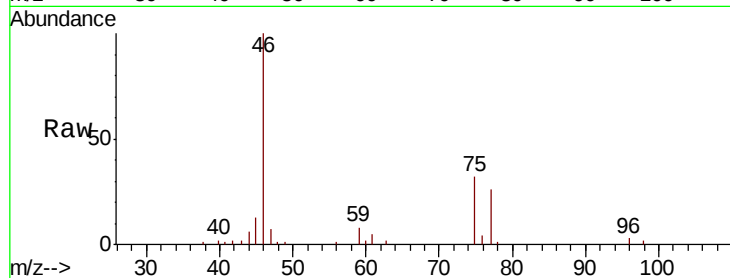
Tot Ion: 96 Resp: 867

Ion Ratio Lower Upper

96 100

61 193.2 87.4 162.2#

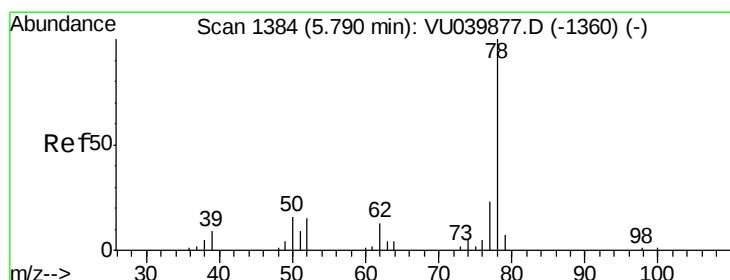
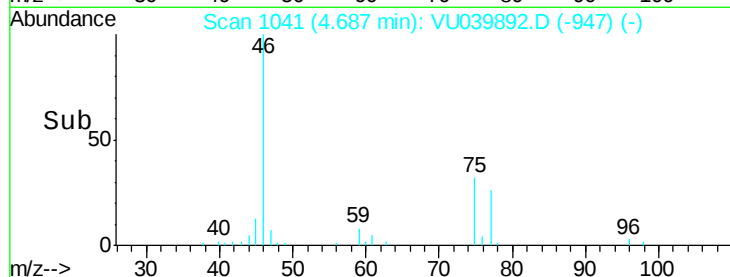
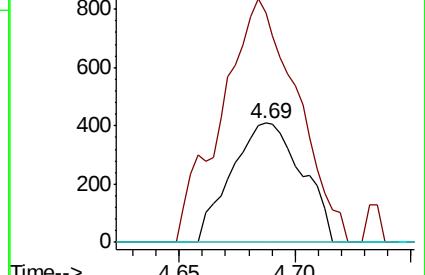
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039877.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU039877.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU039877.D (-1023) (-)



#33

Benzene

Concen: 0.093 ug/L

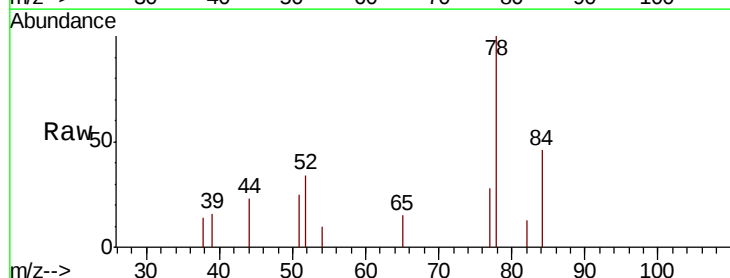
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Tgt Ion: 78 Resp: 2059



Abundance Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

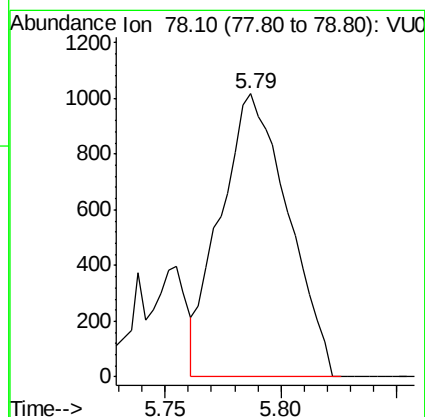
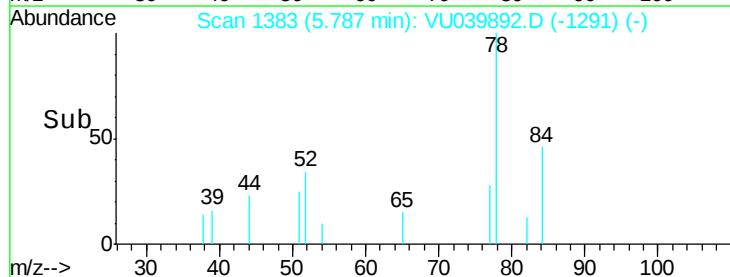
Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

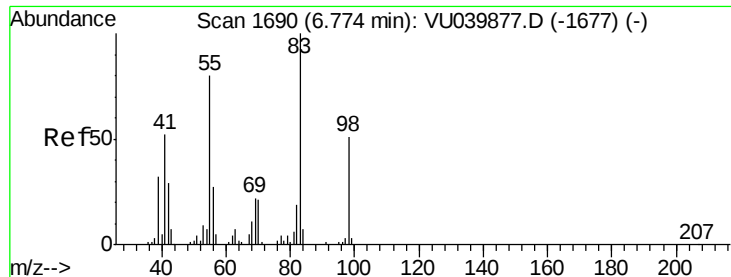
Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU039877.D (-1360) (-)

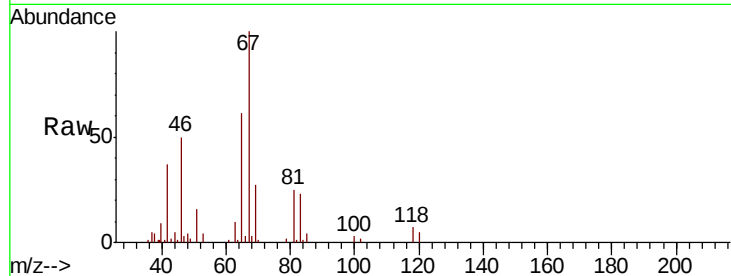




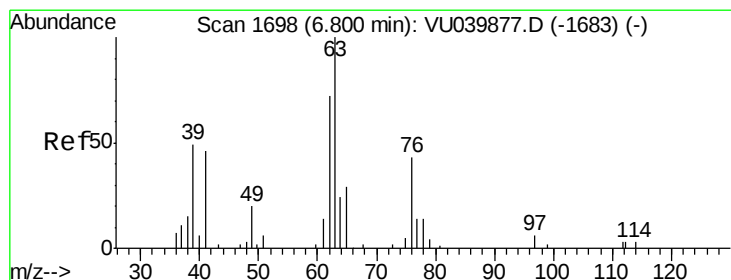
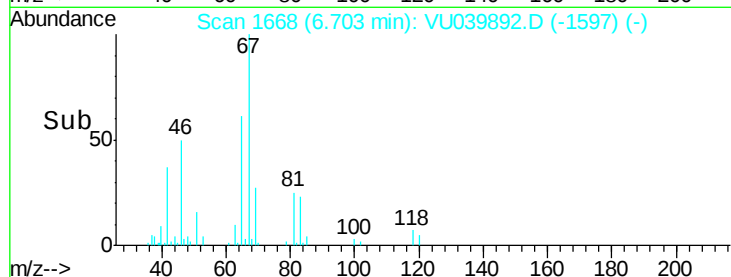
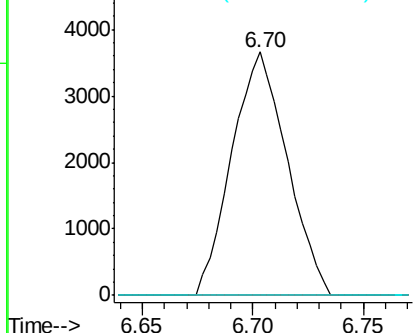
#35
Methvlcvclohexane
Concen: 0.695 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

Instrument :
MSVOA_U
ClientSampleId :
F4M01

Tot Ion	Ratio	Lower	Upper
83	100		
55	1.1	59.4	89.0#
98	3.6	39.0	58.4#

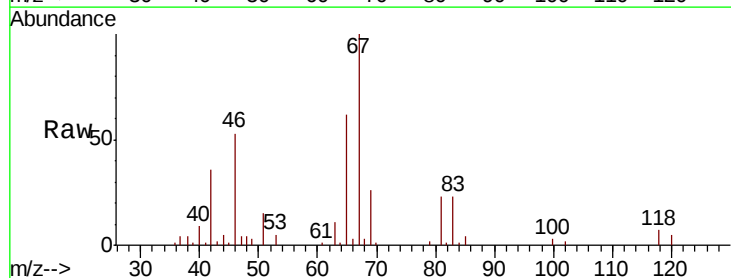


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

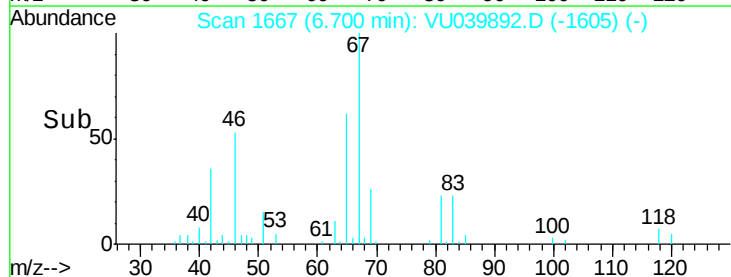
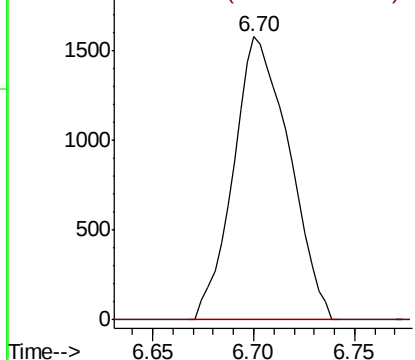


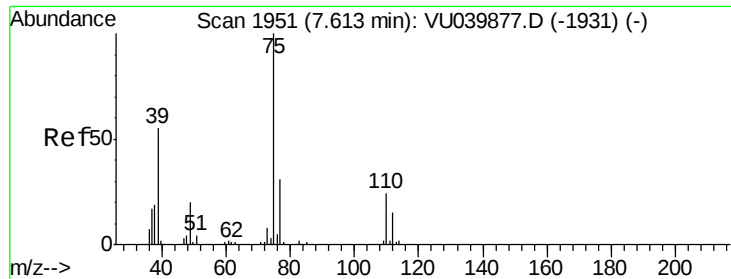
#37
1,2-Dichloropropane
Concen: 0.520 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

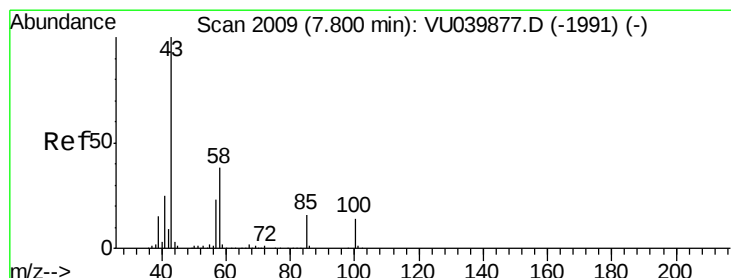
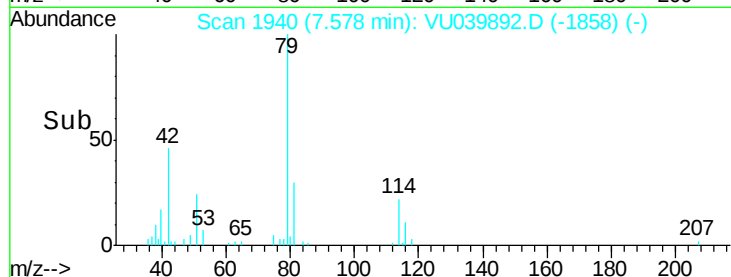
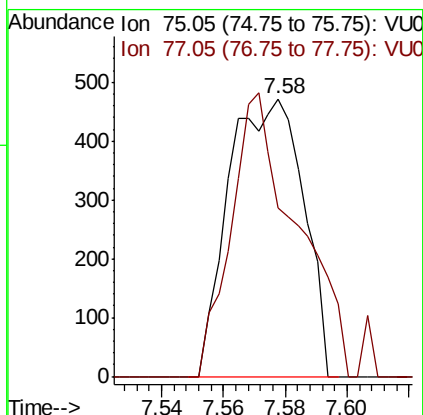
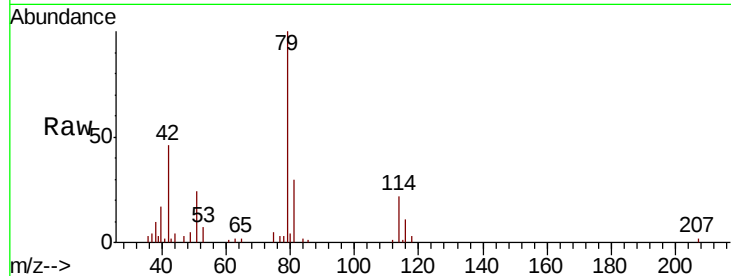




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039892.D
 Acq: 17 Aug 2020 17:27

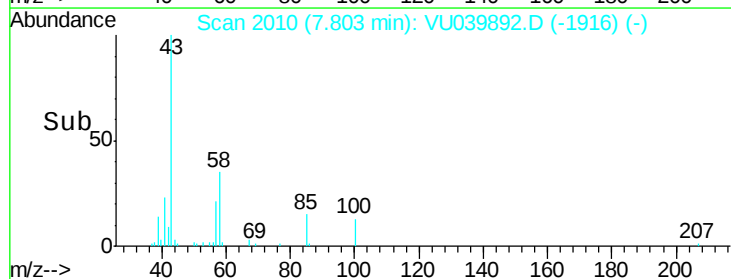
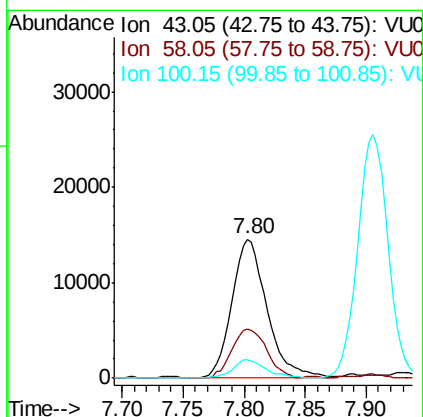
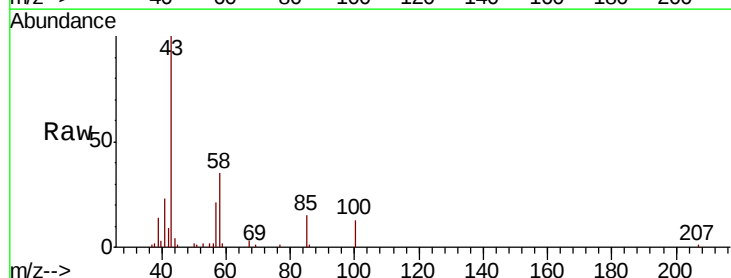
Instrument :
 MSVOA_U
 ClientSampled :
 F4M01

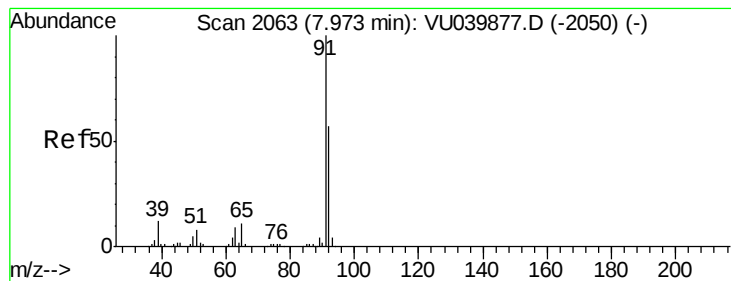
Tot Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 60.8 22.4 41.6#



#40
 4-Methyl-2-pentanone
 Concen: 6.658 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039892.D
 Acq: 17 Aug 2020 17:27

Tgt Ion: 43 Resp: 29236
 Ion Ratio Lower Upper
 43 100
 58 34.8 29.4 44.2
 100 12.6 11.7 17.5





#42

Toluene

Concen: 0.195 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

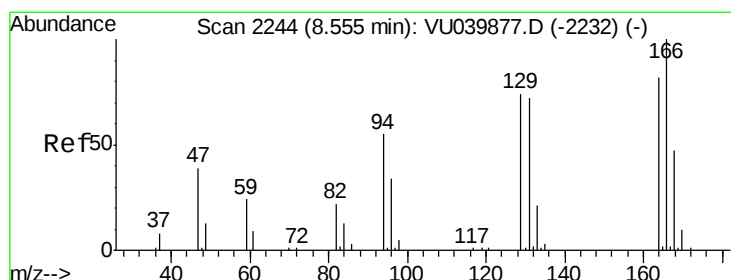
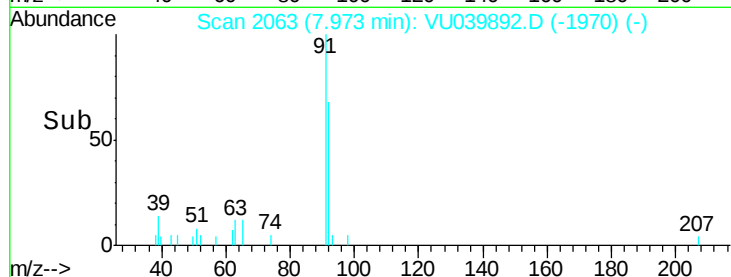
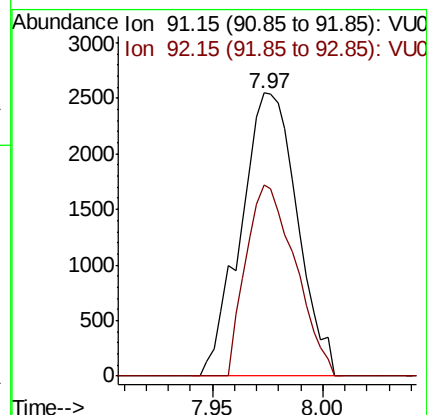
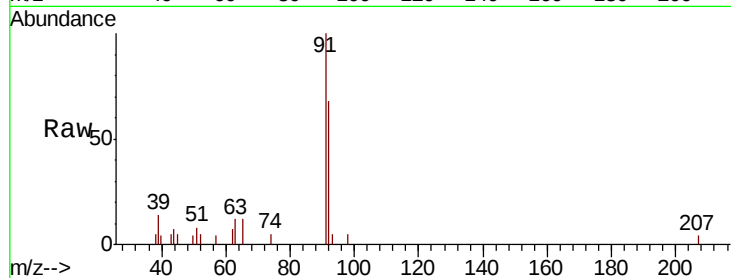
F4M01

Tot Ion: 91 Resp: 4524

Ion Ratio Lower Upper

91 100

92 67.6 41.6 77.3



#47

Tetrachloroethene

Concen: 0.106 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Tgt Ion: 164 Resp: 504

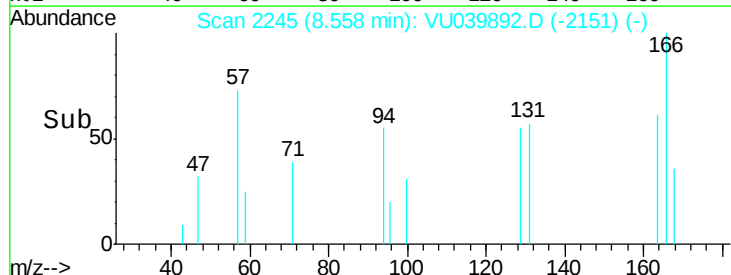
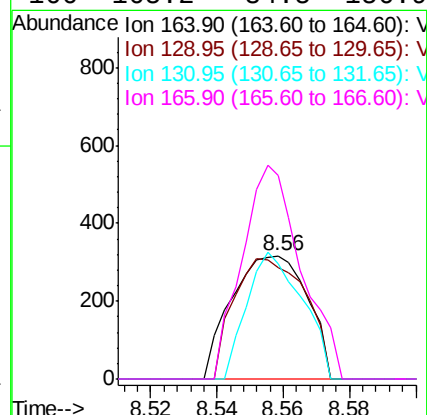
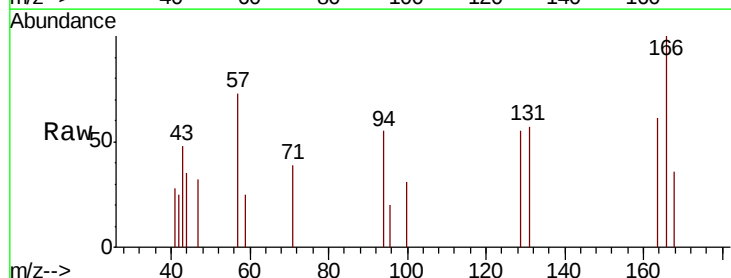
Ion Ratio Lower Upper

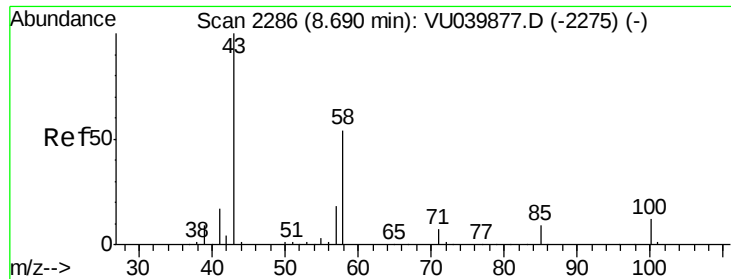
164 100

129 91.1 65.9 122.5

131 93.7 68.1 126.5

166 165.2 84.5 156.9#

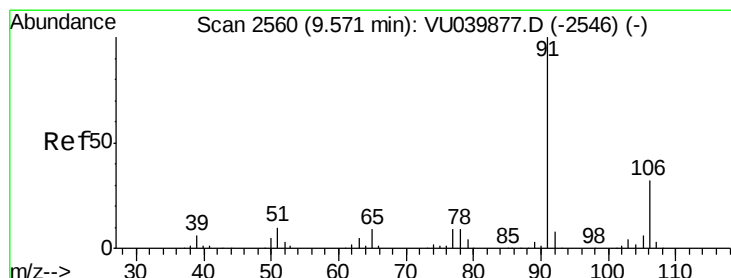
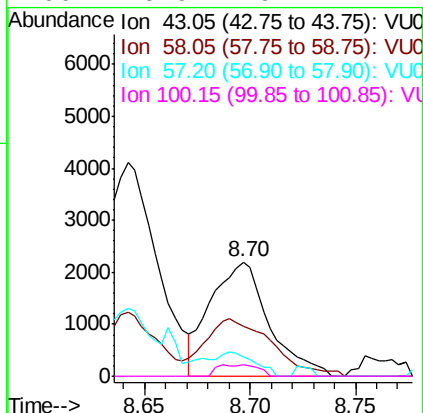
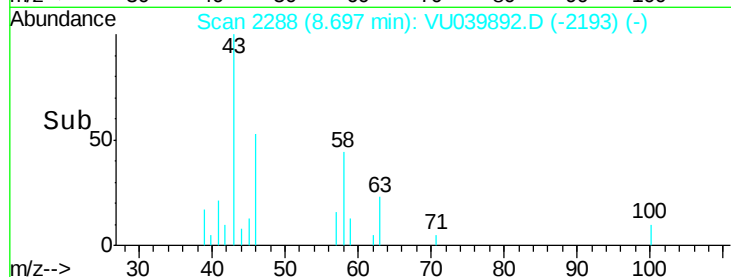
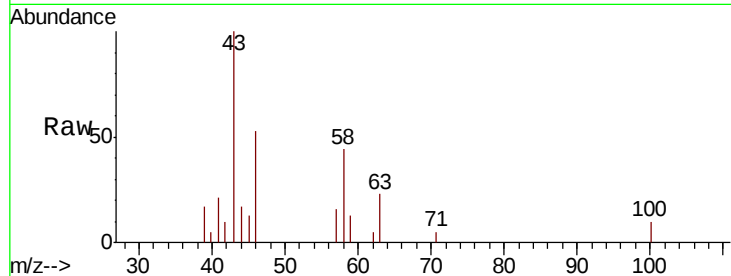




#48
2-Hexanone
Concen: 1.338 ug/L
RT: 8.70 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

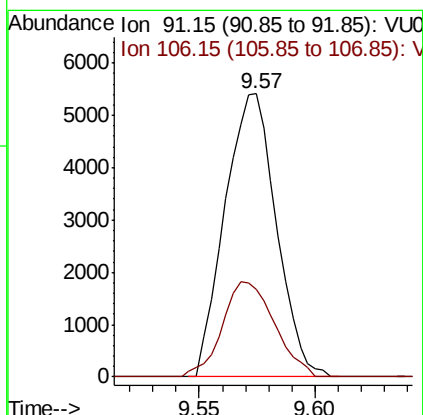
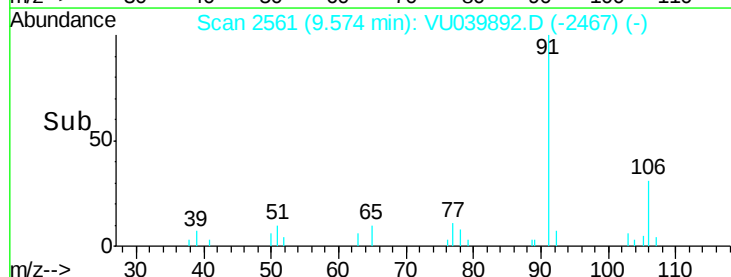
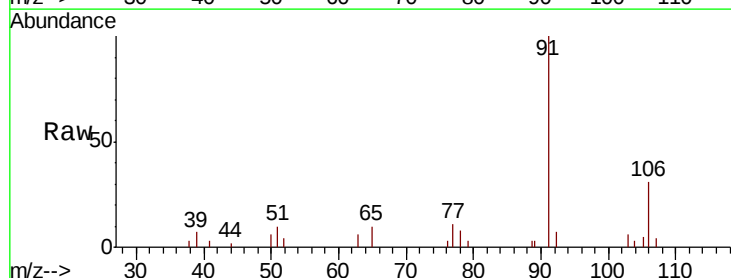
Instrument :
MSVOA_U
ClientSampleId :
F4M01

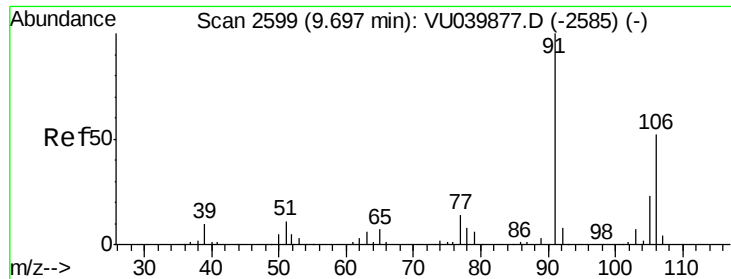
Tot Ion: 43 Resp: 4242
Ion Ratio Lower Upper
43 100
58 58.0 41.8 62.8
57 13.2 14.2 21.4#
100 6.9 9.4 14.2#



#52
Ethylbenzene
Concen: 0.320 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039892.D
Acq: 17 Aug 2020 17:27

Tgt Ion: 91 Resp: 8330
Ion Ratio Lower Upper
91 100
106 30.9 22.8 42.4





#53

m,p-Xylene

Concen: 1.132 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039892.D

Acq: 17 Aug 2020 17:27

Instrument :

MSVOA_U

ClientSampled :

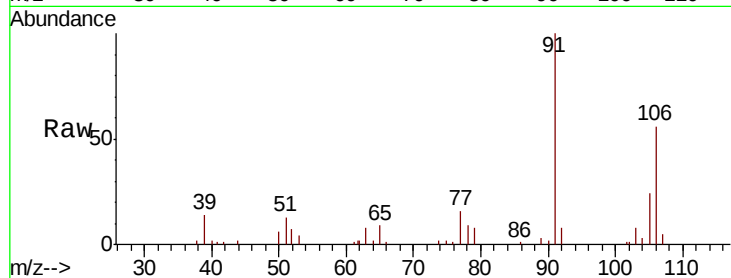
F4M01

Tot Ion:106 Resp: 11215

Ion Ratio Lower Upper

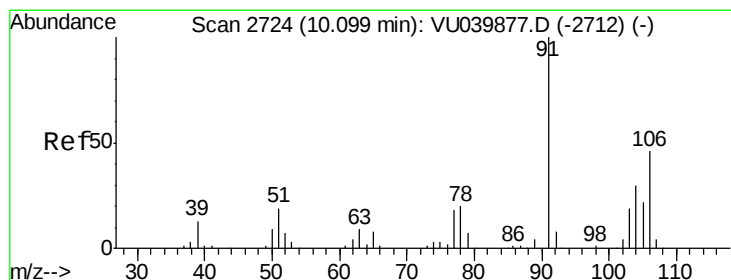
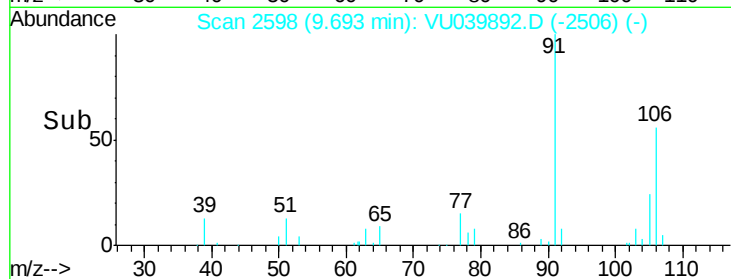
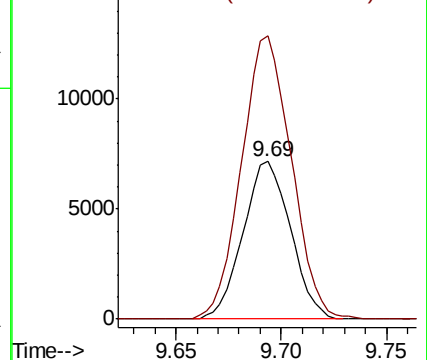
106 100

91 179.4 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.338 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039892.D

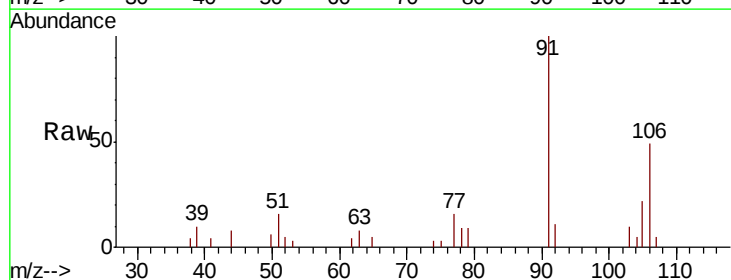
Acq: 17 Aug 2020 17:27

Tgt Ion:106 Resp: 3284

Ion Ratio Lower Upper

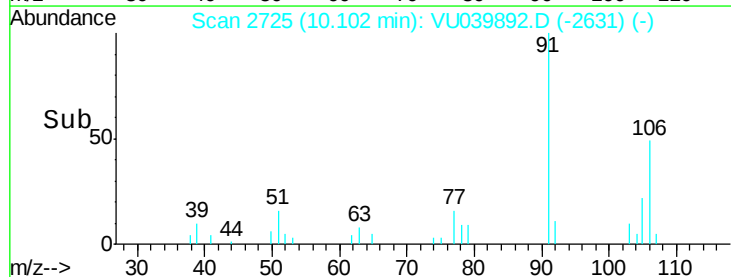
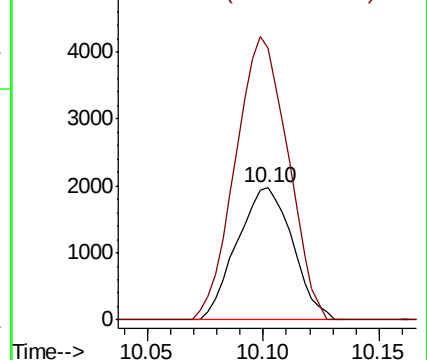
106 100

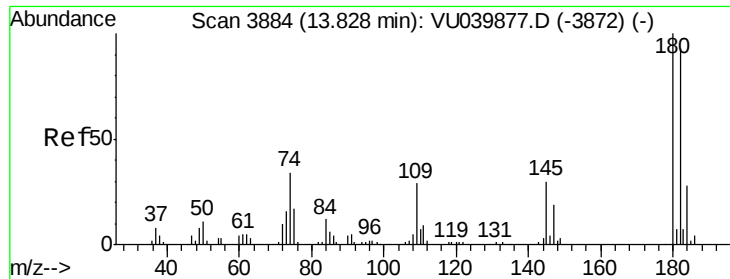
91 205.8 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

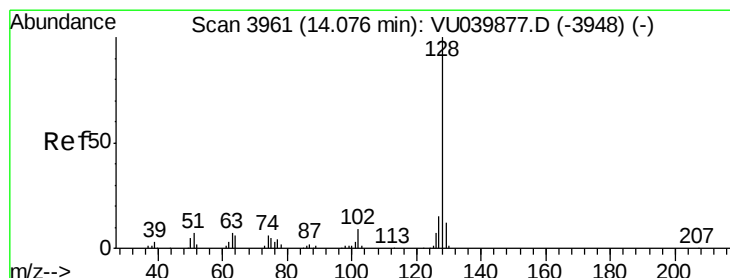
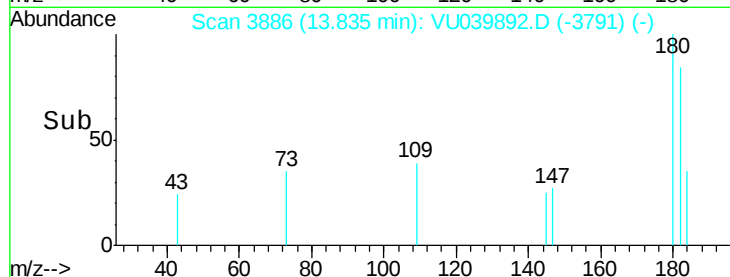
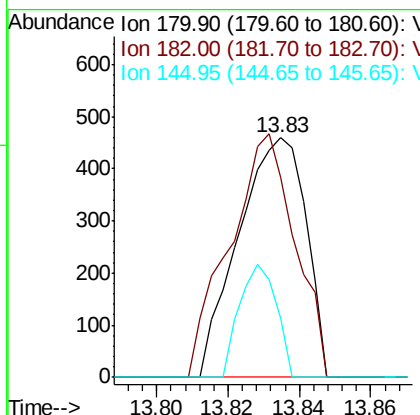
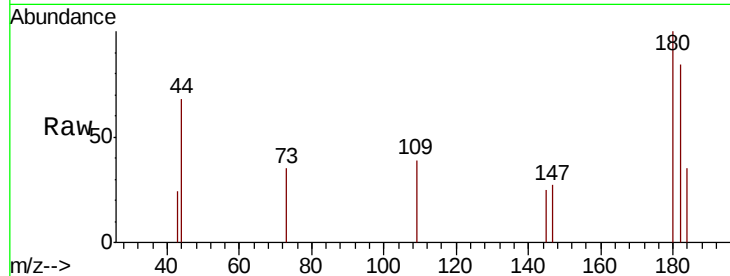




#68
 1,2,4-trichlorobenzene
 Concen: 0.080 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: VU039892.D
 Acq: 17 Aug 2020 17:27

Instrument :
 MSVOA_U
 ClientSampled :
 F4M01

Tot Ion:180 Resp: 599
 Ion Ratio Lower Upper
 180 100
 182 98.8 75.7 113.5
 145 25.9 25.1 37.7



#69
 Naphthalene
 Concen: 0.191 ug/L
 RT: 14.07 min Scan# 3960
 Delta R.T. -0.00 min
 Lab File: VU039892.D
 Acq: 17 Aug 2020 17:27

Tgt Ion:128 Resp: 2562
 Ion Ratio Lower Upper
 128 100
 129 4.8 8.9 13.3#
 127 7.0 10.1 15.1#

