

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039893.D
 Acq On : 17 Aug 2020 17:50
 Operator : SY/MD
 Sample : L3517-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L63

Quant Time: Aug 18 04:27:38 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	76068	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	76713	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16978	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	18475	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.58	63	26308	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.66	46	84946	47.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.04%
24) Chloroform-d	5.08	84	45375	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	27315	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.74	84	79405	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.70	67	28232	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.91	98	63084	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	8.19	79	10870	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	63873	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25952	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	29177	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

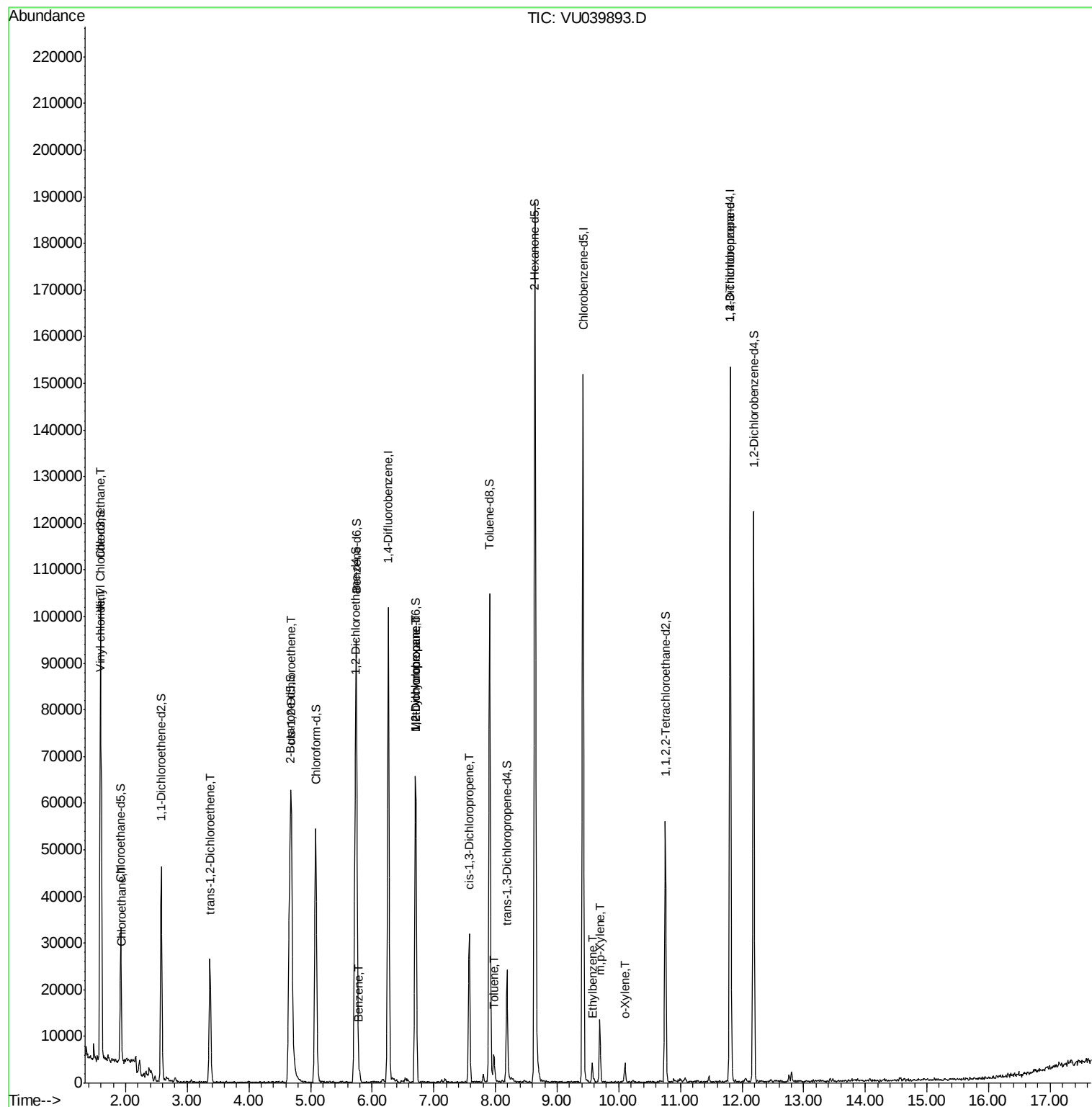
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.59	50	2799	0.434	ug/L	87
5) Vinyl chloride	1.61	62	22940	3.709	ug/L	93
8) Chloroethane	1.94	64	325	0.072	ug/L #	43
18) trans-1,2-Dichloroethene	3.37	96	10572	2.093	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	18827	3.426	ug/L	95
33) Benzene	5.79	78	2181	0.104	ug/L	100
35) Methylcyclohexane	6.70	83	6519	0.752	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3484	0.628	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	932	0.123	ug/L #	43
42) Toluene	7.98	91	3822	0.174	ug/L	99
52) Ethylbenzene	9.57	91	2916	0.119	ug/L	95
53) m,p-Xylene	9.69	106	3581	0.383	ug/L	97
54) o-Xylene	10.10	106	887	0.097	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	5179	1.293	ug/L #	77

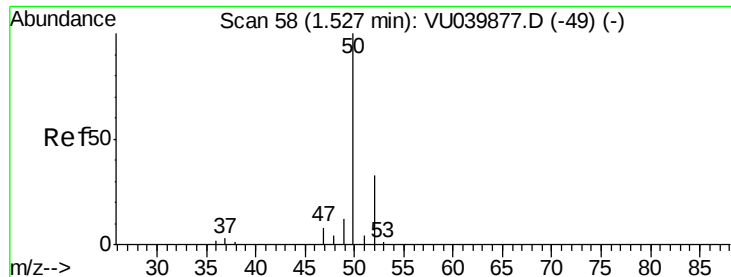
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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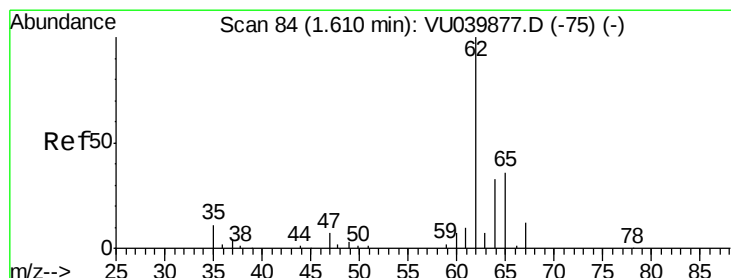
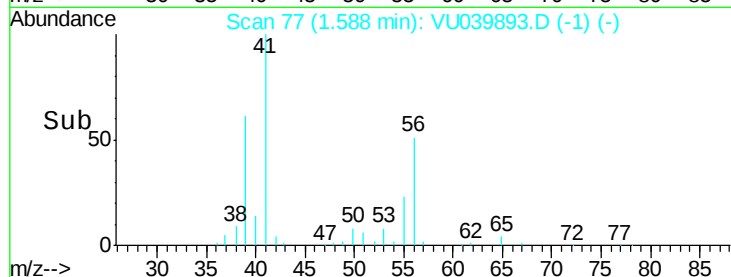
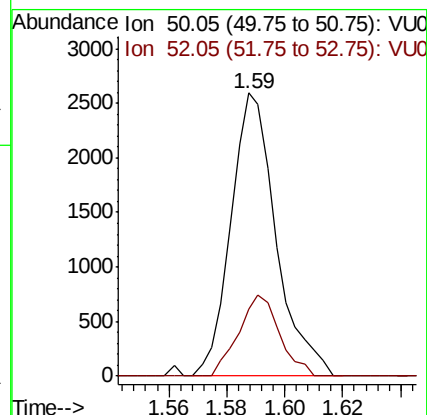
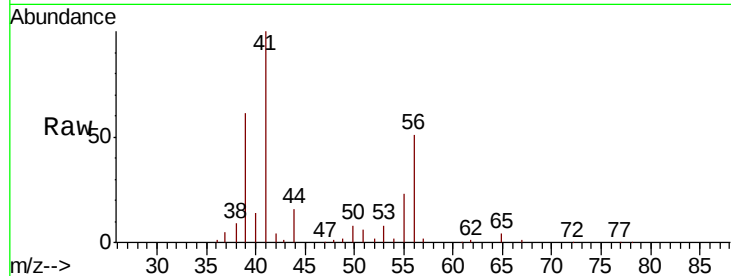




#3
Chloromethane
Concen: 0.434 ug/L
RT: 1.59 min Scan# 77
Delta R.T. 0.06 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

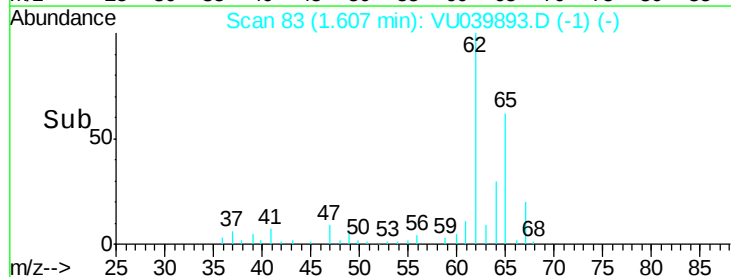
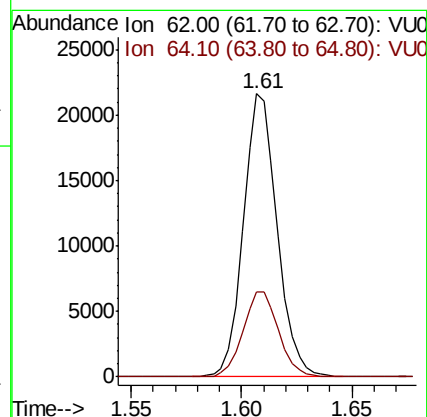
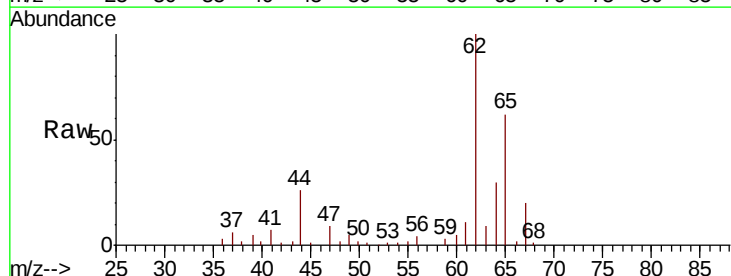
Instrument :
MSVOA_U
ClientSampleId :
F4L63

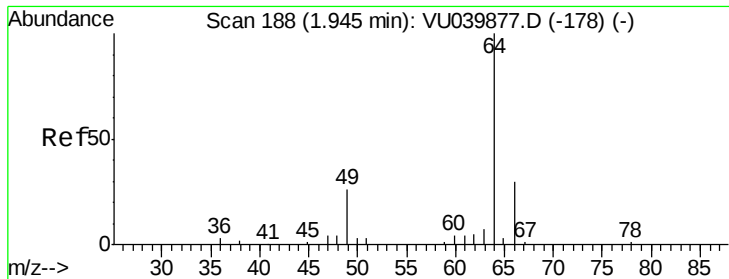
Tot Ion: 50 Resp: 2799
Ion Ratio Lower Upper
50 100
52 23.8 21.6 40.0



#5
Vinyl chloride
Concen: 3.709 ug/L
RT: 1.61 min Scan# 83
Delta R.T. -0.00 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

Tgt Ion: 62 Resp: 22940
Ion Ratio Lower Upper
62 100
64 30.1 24.1 44.7





#8

Chloroethane

Concen: 0.072 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039893.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

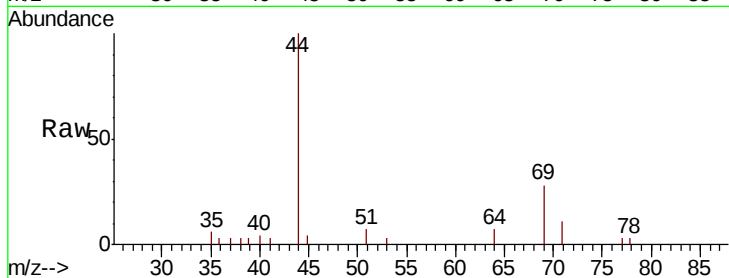
F4L63

Tot Ion: 64 Resp: 325

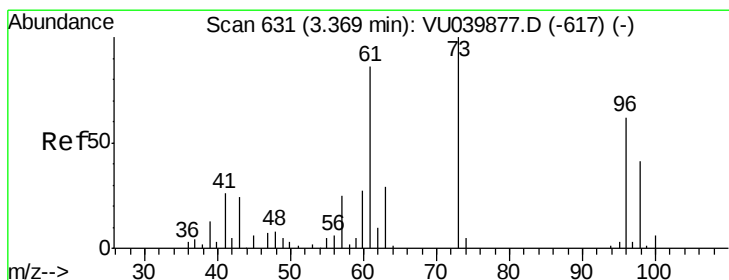
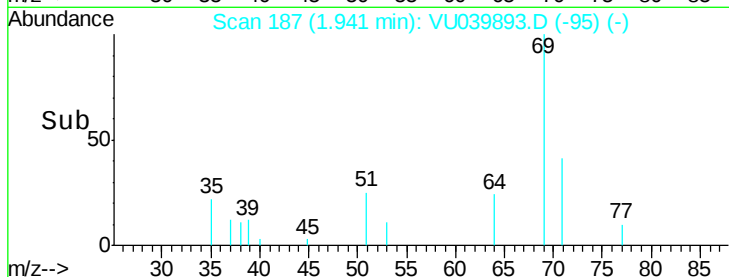
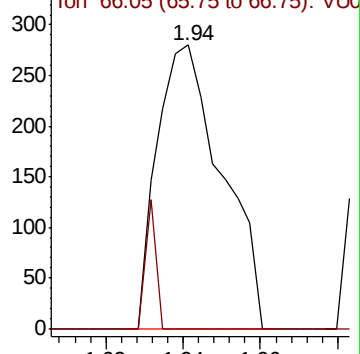
Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.3#



Abundance Ion 64.10 (63.80 to 64.80): VU039893.D (-95) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.093 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039893.D

Acq: 17 Aug 2020 17:50

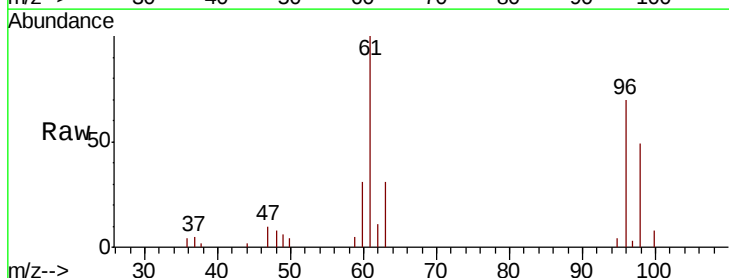
Tgt Ion: 96 Resp: 10572

Ion Ratio Lower Upper

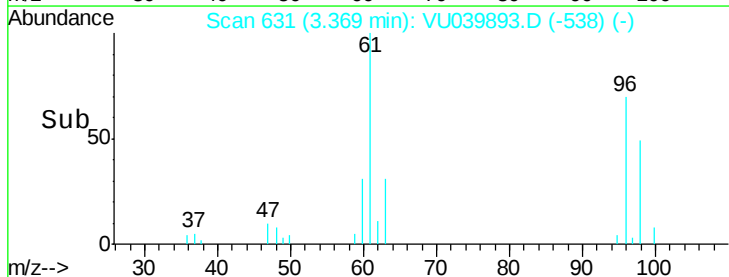
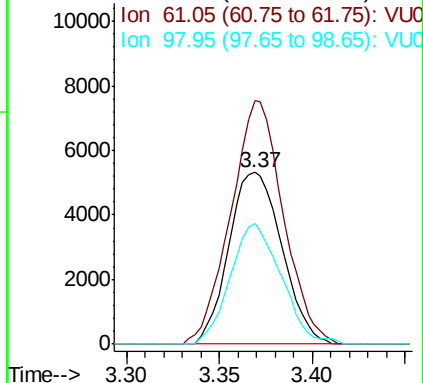
96 100

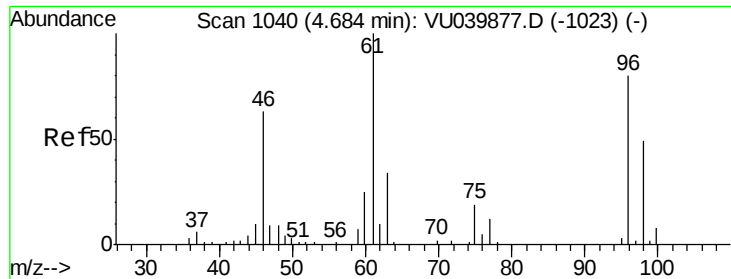
61 141.9 96.5 179.1

98 70.0 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039893.D (-538) (-)

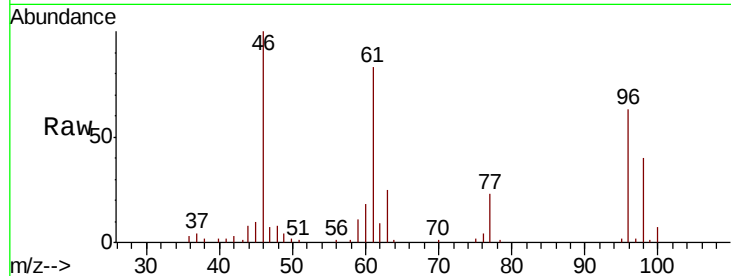




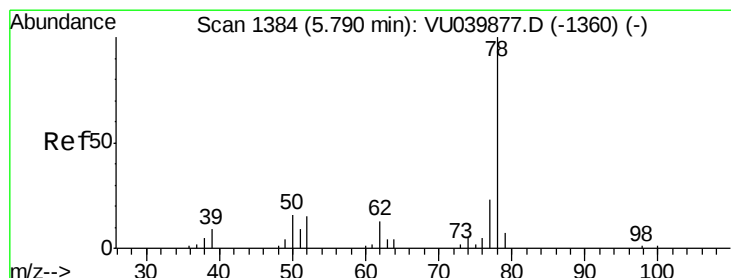
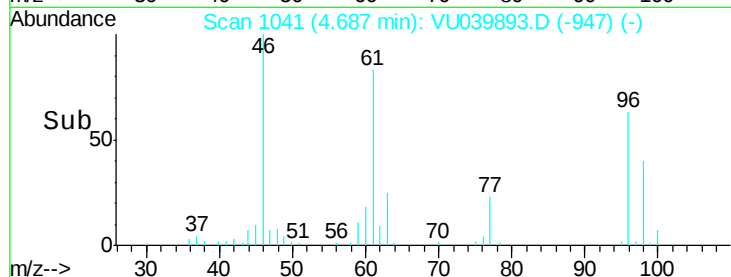
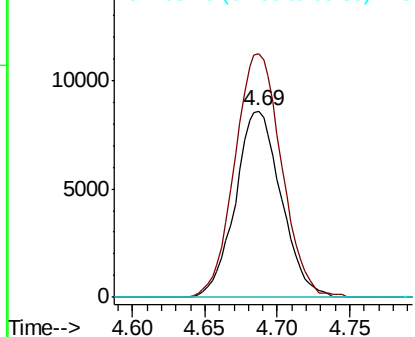
#22
 cis-1,2-Dichloroethene
 Concen: 3.426 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039893.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_U
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 F4L63

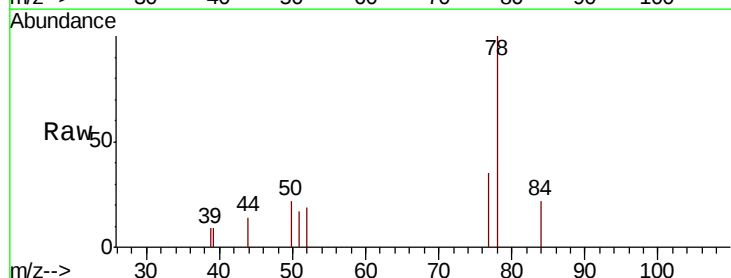
Tot Ion: 96 Resp: 18827
 Ion Ratio Lower Upper
 96 100
 61 130.5 87.4 162.2
 68 0.0 0.0 0.0



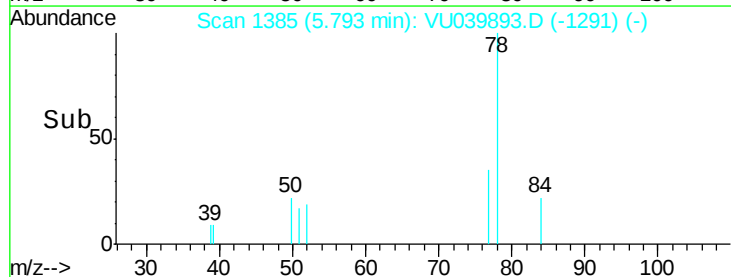
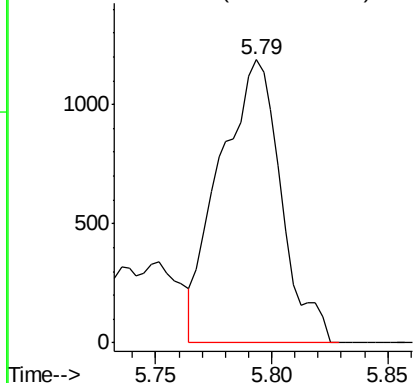
Abundance Ion 96.00 (95.70 to 96.70): VU0
 15000 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

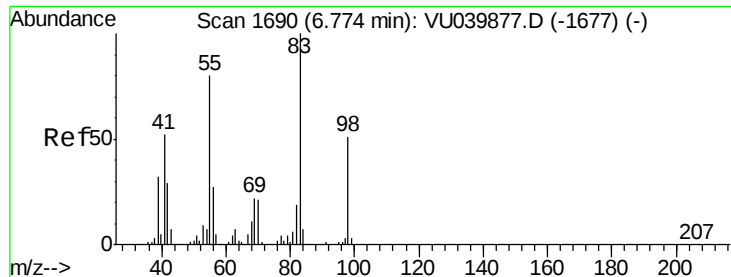


#33
 Benzene
 Concen: 0.104 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039893.D
 Acq: 17 Aug 2020 17:50
 Tgt Ion: 78 Resp: 2181



Abundance Ion 78.10 (77.80 to 78.80): VU0

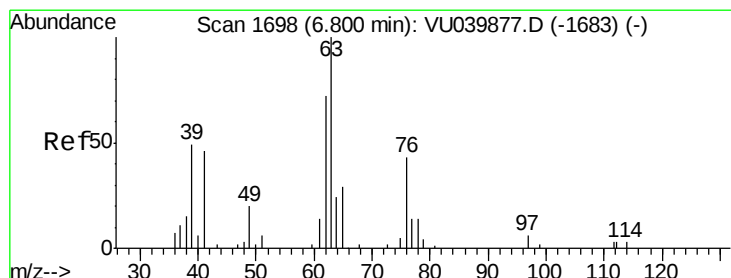
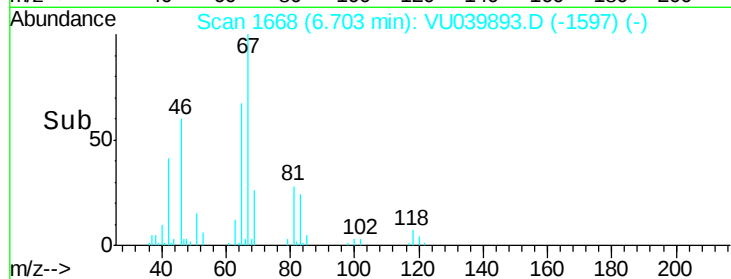
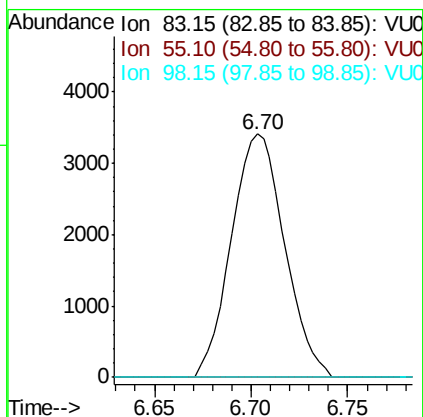
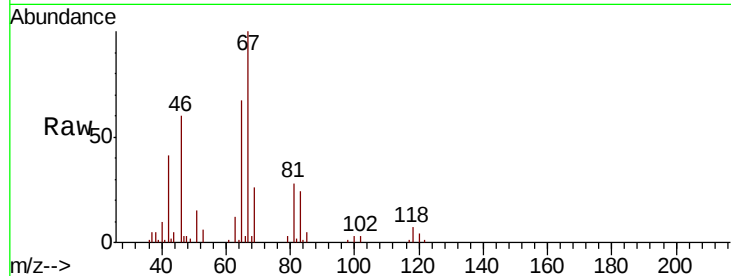




#35
Methylcyclohexane
Concen: 0.752 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

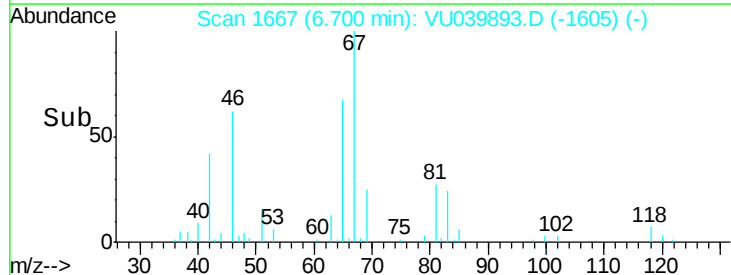
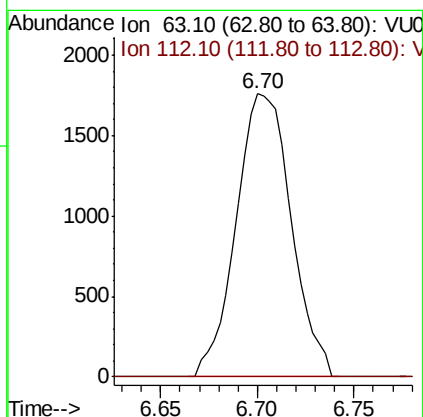
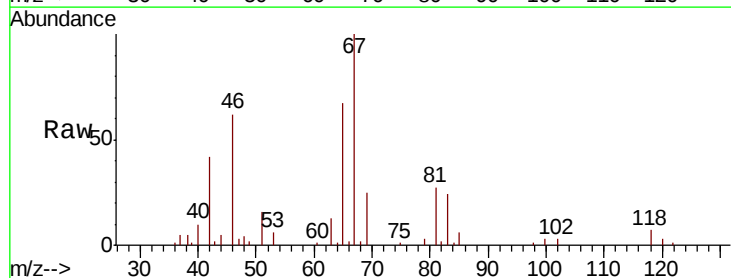
Instrument :
MSVOA_U
ClientSampleId :
F4L63

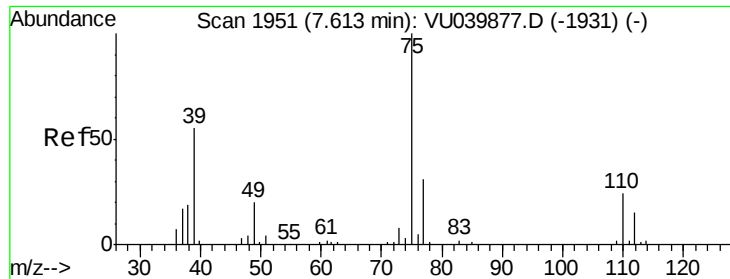
Tot Ion	83	Resp	6519
Ion Ratio	Lower	Upper	
83	100		
55	0.0	59.4	89.0#
98	0.7	39.0	58.4#



#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

Tgt Ion	63	Resp	3484
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.8	5.6#

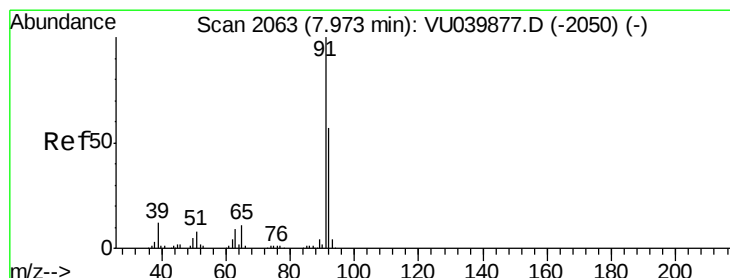
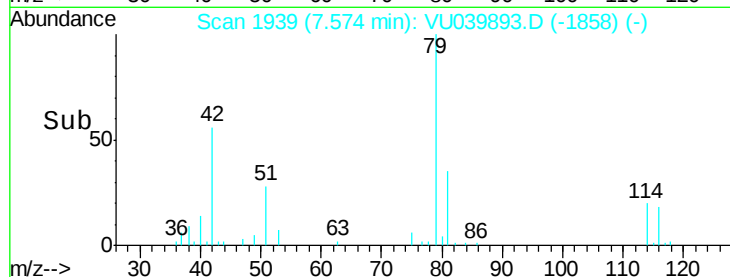
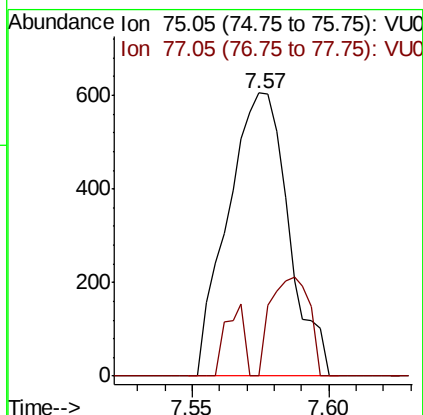
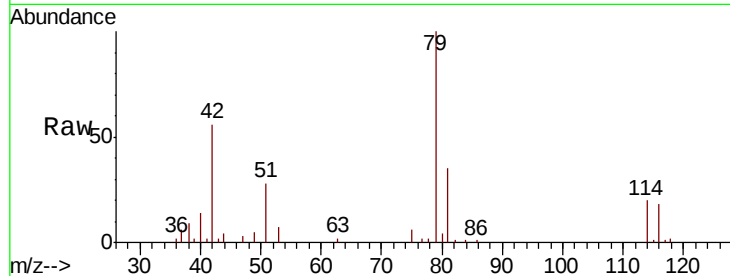




#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039893.D
 Acq: 17 Aug 2020 17:50

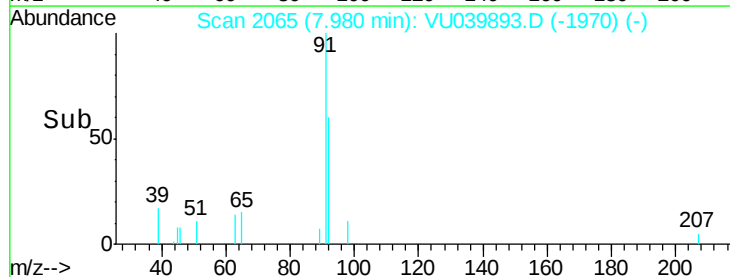
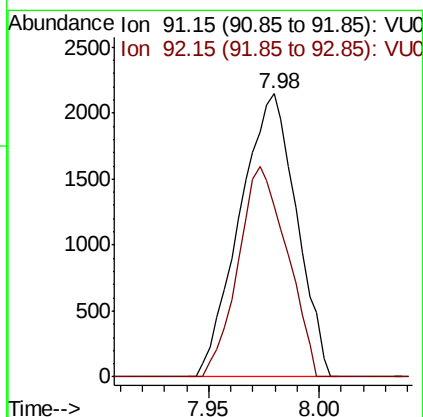
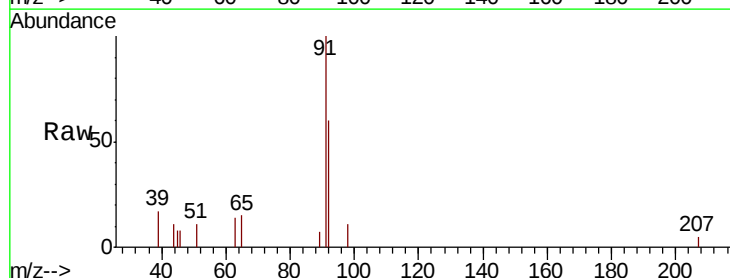
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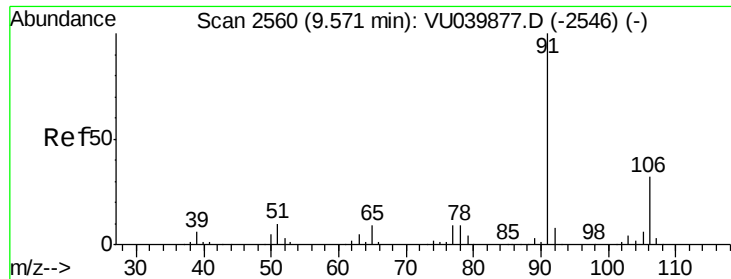
Tot Ion: 75 Resp: 932
 Ion Ratio Lower Upper
 75 100
 77 0.0 22.4 41.6#



#42
 Toluene
 Concen: 0.174 ug/L
 RT: 7.98 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VU039893.D
 Acq: 17 Aug 2020 17:50

Tgt Ion: 91 Resp: 3822
 Ion Ratio Lower Upper
 91 100
 92 60.3 41.6 77.3





#52

Ethylbenzene

Concen: 0.119 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU039893.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

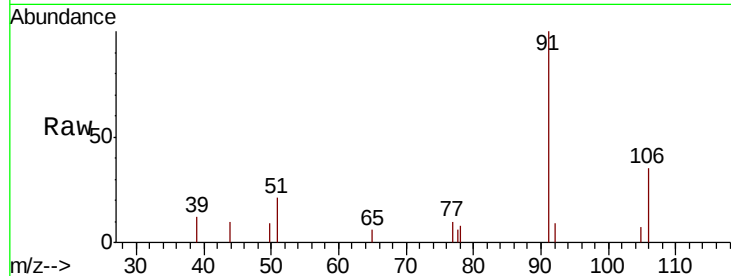
F4L63

Tot Ion: 91 Resp: 2916

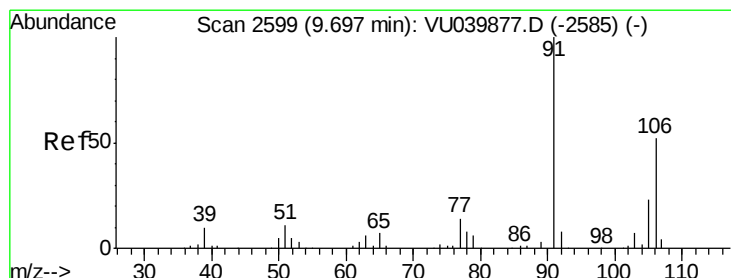
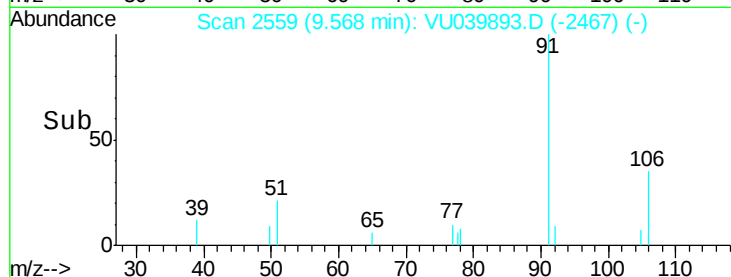
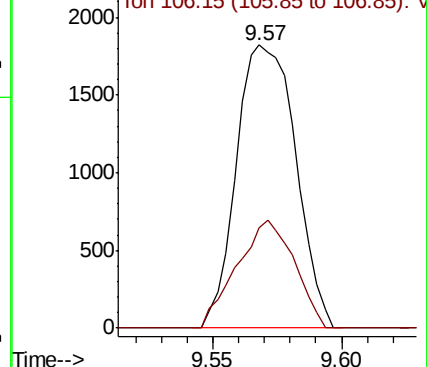
Ion Ratio Lower Upper

91 100

106 35.4 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039877.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.383 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.01 min

Lab File: VU039893.D

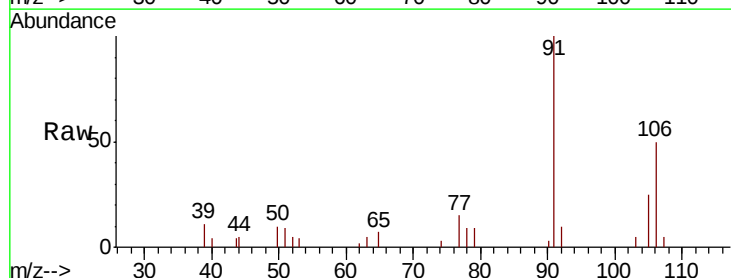
Acq: 17 Aug 2020 17:50

Tgt Ion: 106 Resp: 3581

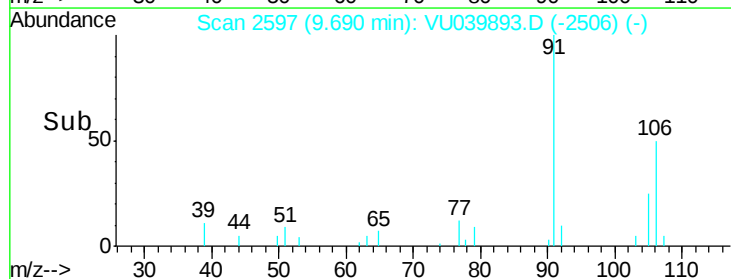
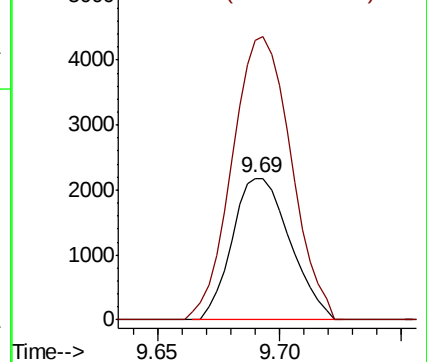
Ion Ratio Lower Upper

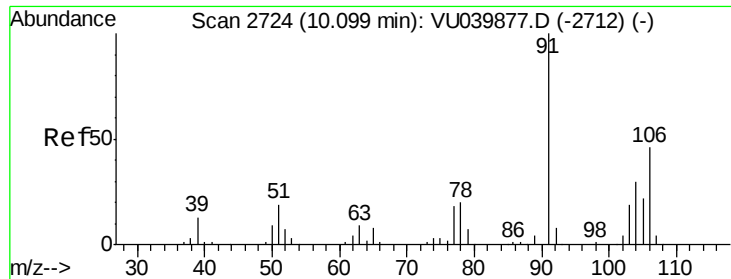
106 100

91 198.2 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039877.D (-2585) (-)

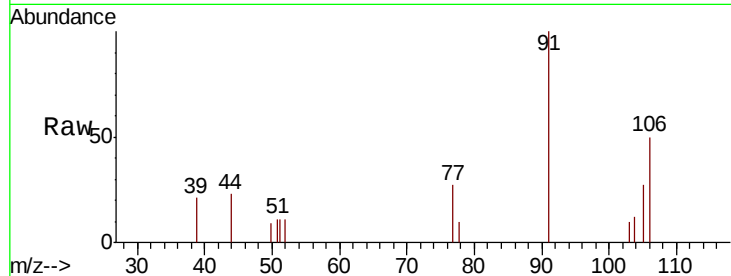




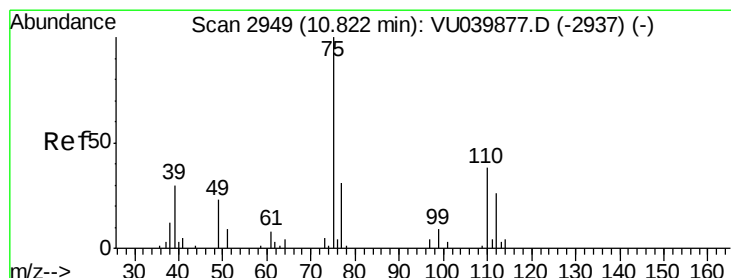
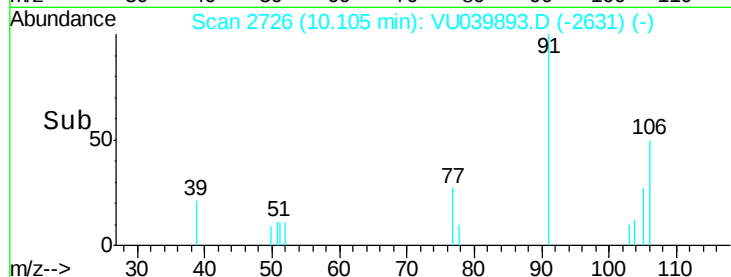
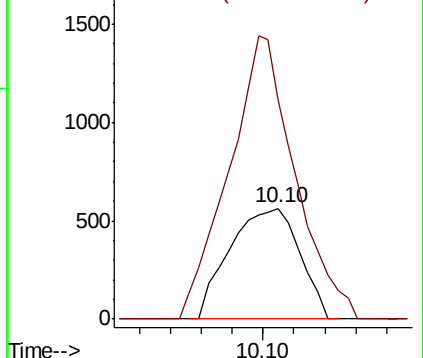
#54
o-Xylene
Concen: 0.097 ug/L
RT: 10.10 min Scan# 2726
Delta R.T. 0.01 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_U
ClientSampleId :
F4L63

Tot Ion: 106 Resp: 887
Ion Ratio Lower Upper
106 100
91 198.2 140.8 261.6

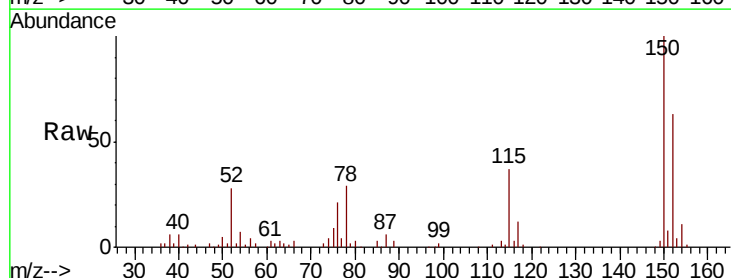


Abundance Ion 106.15 (105.85 to 106.85): VU039893.D (-2631) (-)
Ion 91.15 (90.85 to 91.85): VU039893.D (-2631) (-)



#59
1,2,3-Trichloropropane
Concen: 1.293 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039893.D
Acq: 17 Aug 2020 17:50

Tgt Ion: 75 Resp: 5179
Ion Ratio Lower Upper
75 100
77 43.3 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU039893.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU039893.D (-2327) (-)

