

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039432.D
 Acq On : 10 Jul 2020 16:06
 Operator : SY/MD
 Sample : L3261-05DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	94245	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42652	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23156	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.92	69	28163	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	36297	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.65	46	147001	58.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.64%
24) Chloroform-d	5.09	84	59389	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	39401	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	114819	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	39490	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	95857	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.19	79	15827	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	106432	53.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38968	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	40568	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	2006	0.361	ug/L #	80
16) Methylene chloride	3.07	84	1754	0.249	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	2509	0.361	ug/L	100
25) Chloroform	5.11	83	2681	0.219	ug/L	86
27) 1,2-Dichloroethane	5.79	62	1671	0.188	ug/L #	78
33) Benzene	5.79	78	169473	6.303	ug/L	100
35) Methylcyclohexane	6.71	83	9101	0.817	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4389	0.599	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1420	0.128	ug/L	95
42) Toluene	7.98	91	255631	8.878	ug/L	99
51) Chlorobenzene	9.45	112	21841	1.241	ug/L	96
52) Ethylbenzene	9.57	91	36489	1.147	ug/L	98
53) m,p-Xylene	9.70	106	36893	3.077	ug/L	100
54) o-Xylene	10.10	106	11665	0.999	ug/L	94
56) Isopropylbenzene	10.48	105	6441	0.204	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	7647	1.416	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	1431	0.107	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 11 02:49:36 2020
Response via : Initial Calibration

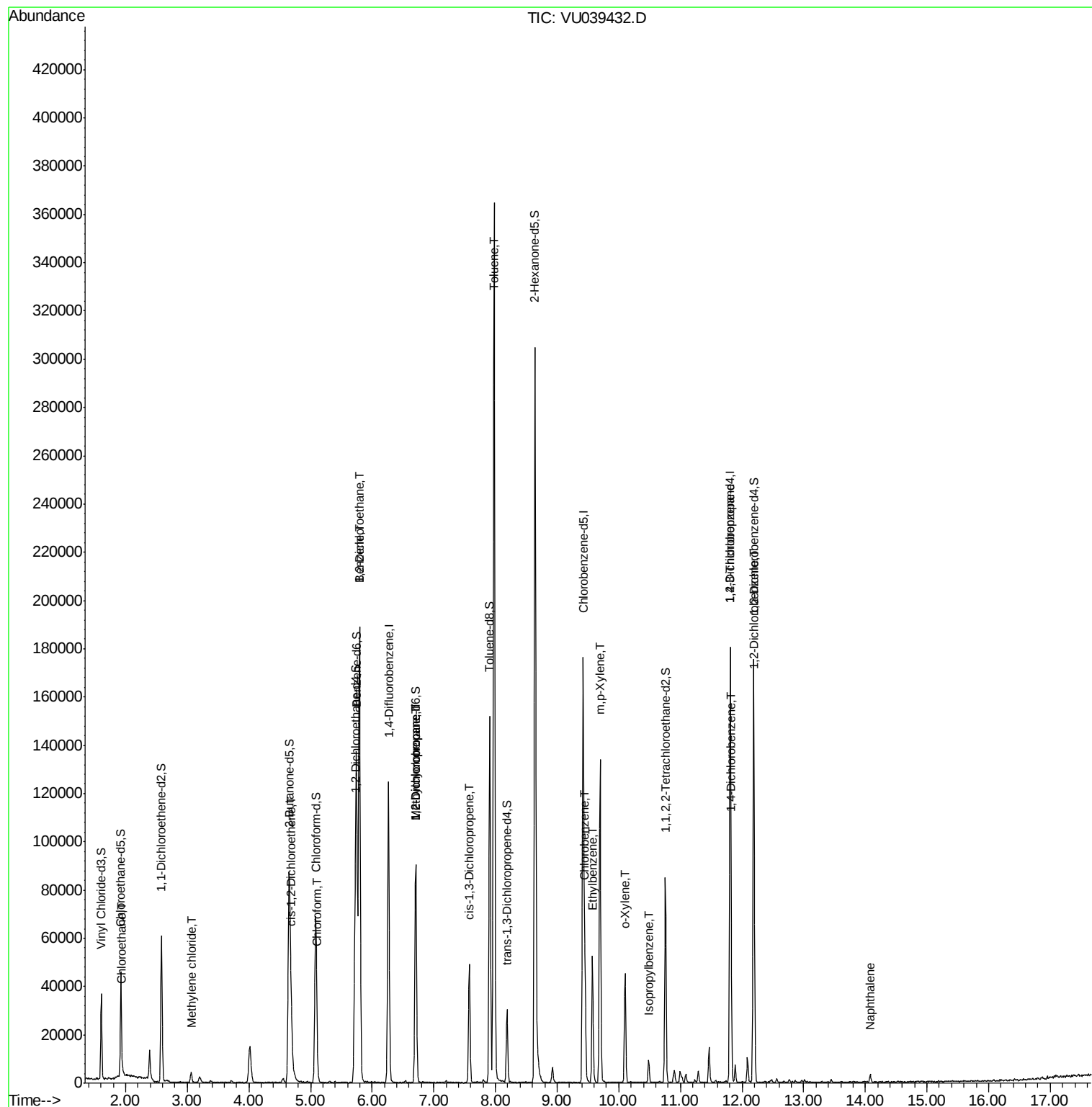
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.20	146	1438	0.107	ug/L #	82
69) Naphthalene	14.08	128	3126	0.182	ug/L #	95

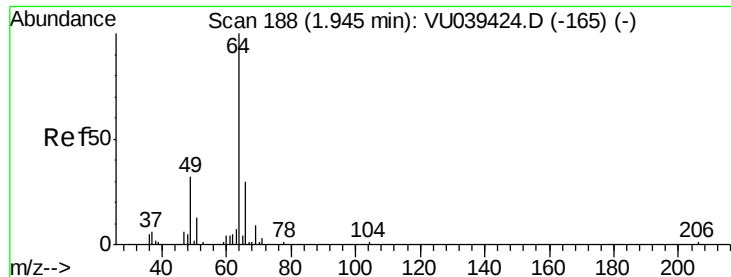
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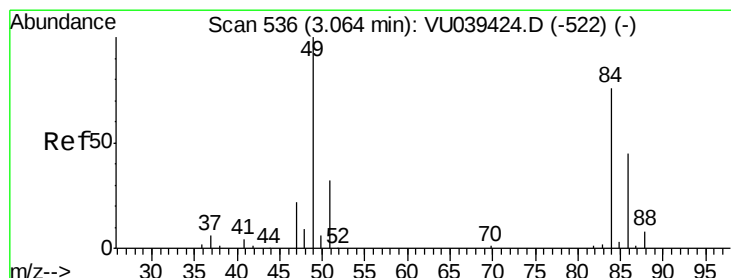
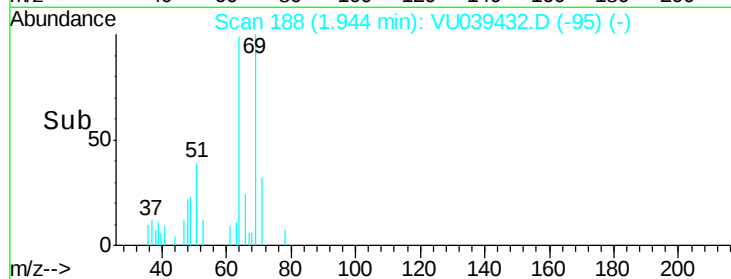
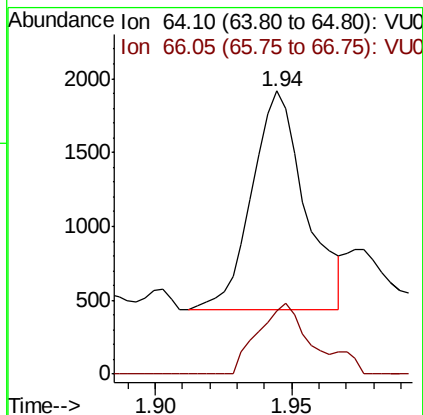
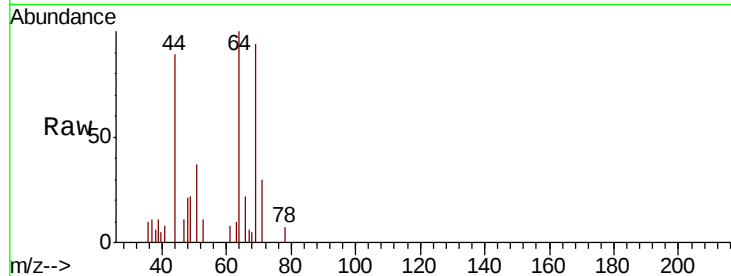




#8
Chloroethane
Concen: 0.361 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

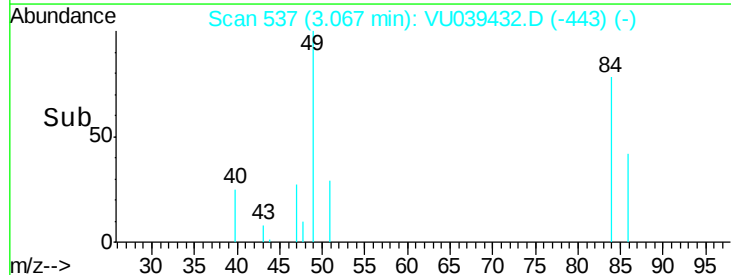
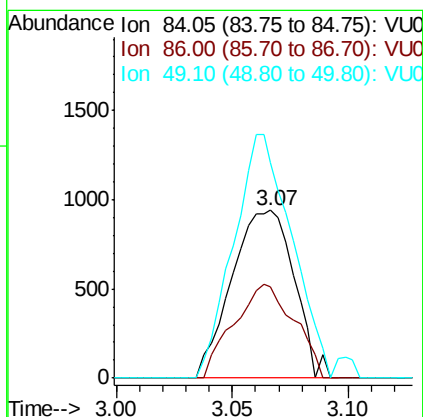
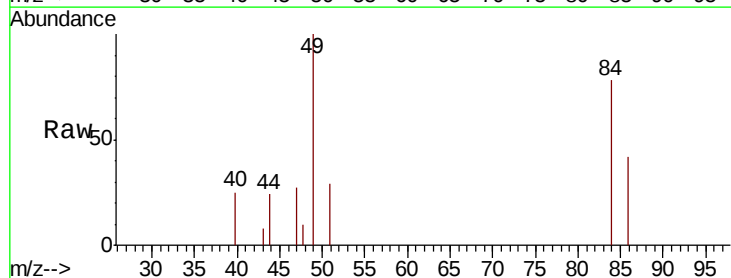
Instrument :
MSVOA_U
ClientSampled :

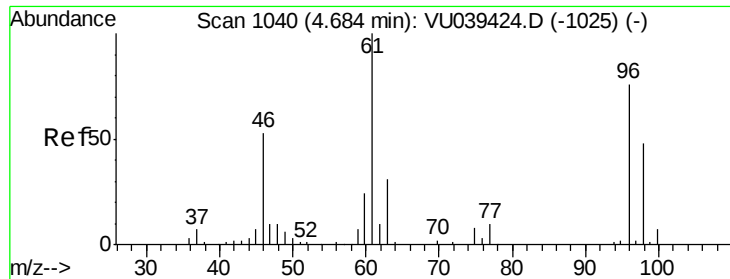
Tot Ion: 64 Resp: 2006
Ion Ratio Lower Upper
64 100
66 22.2 23.5 43.7#



#16
Methylene chloride
Concen: 0.249 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

Tgt Ion: 84 Resp: 1754
Ion Ratio Lower Upper
84 100
86 54.3 43.5 80.9
49 129.0 91.1 169.1

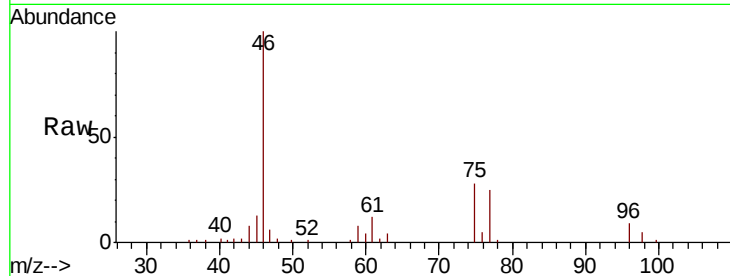




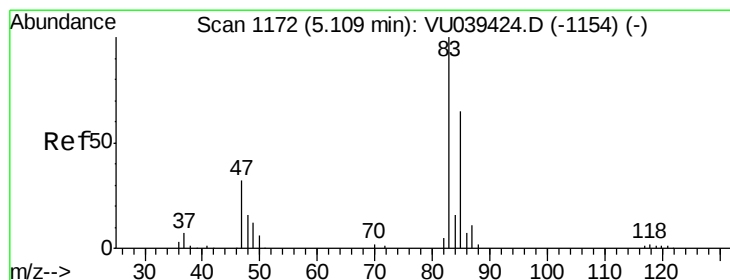
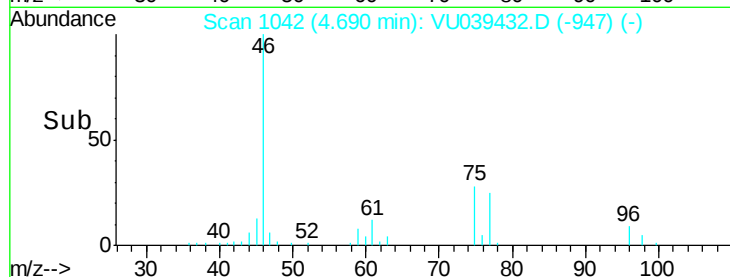
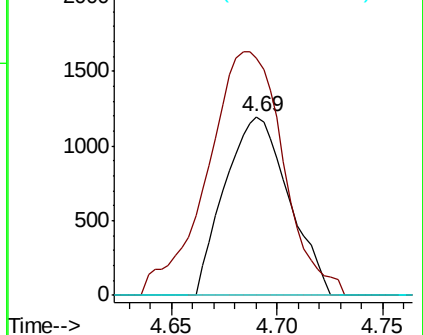
#22
 cis-1,2-Dichloroethene
 Concen: 0.361 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 2509
 Ion Ratio Lower Upper
 96 100
 61 132.8 92.8 172.4
 68 0.0 0.0 0.0

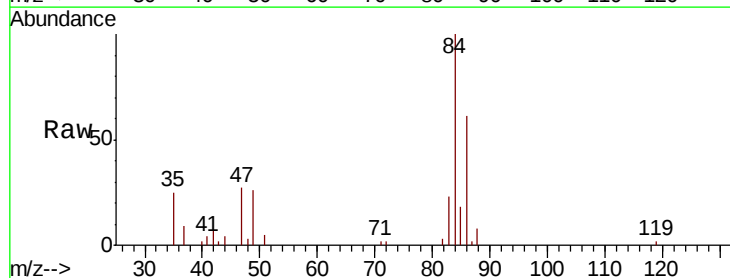


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

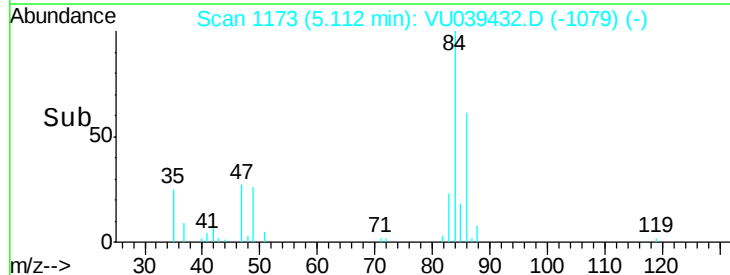
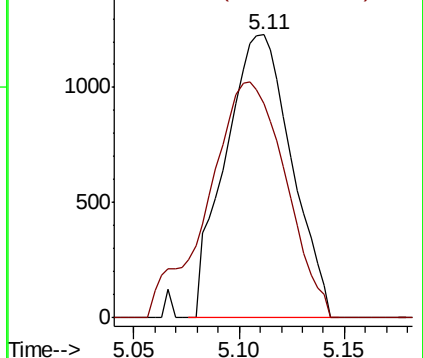


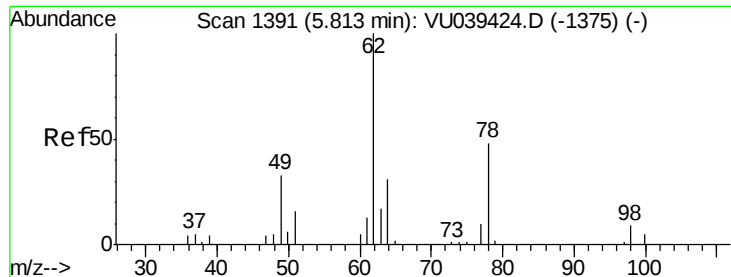
#25
 Chloroform
 Concen: 0.219 ug/L
 RT: 5.11 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

Tgt Ion: 83 Resp: 2681
 Ion Ratio Lower Upper
 83 100
 85 75.5 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

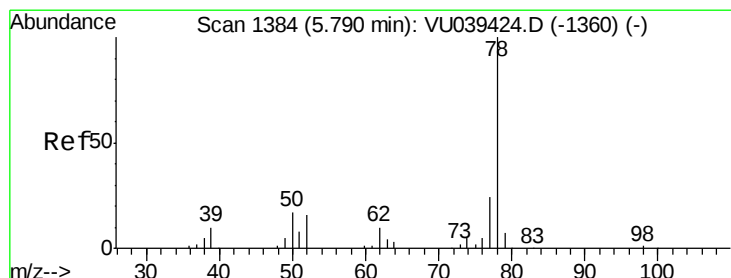
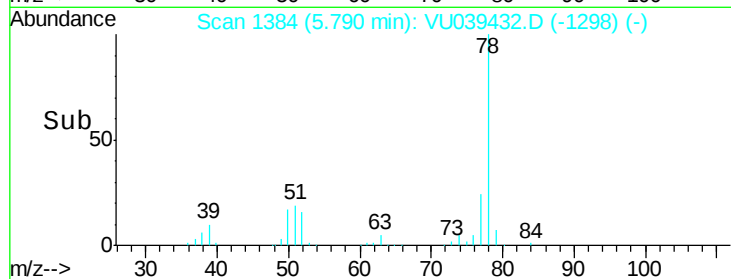
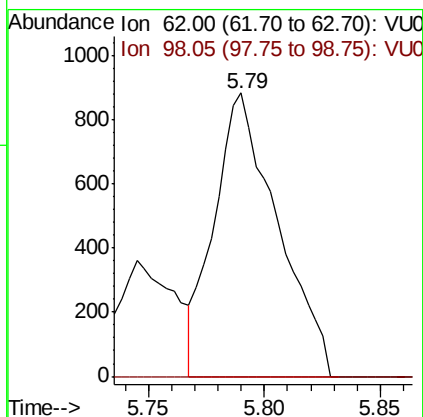
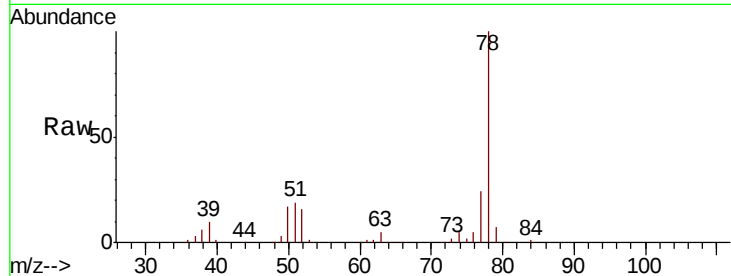




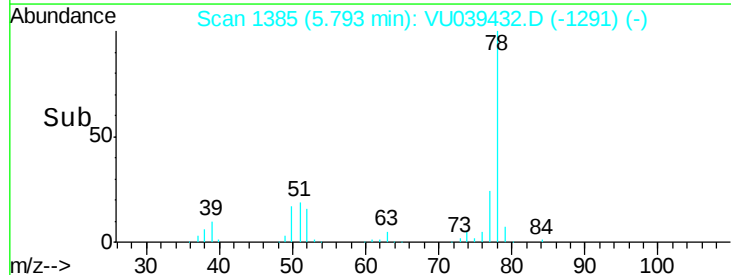
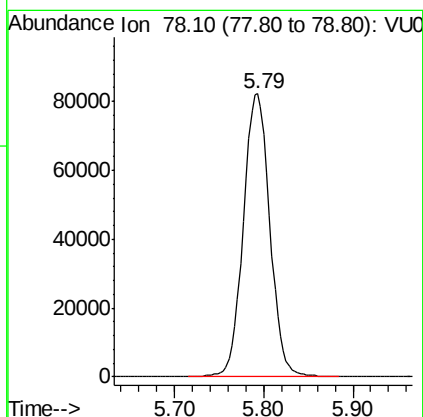
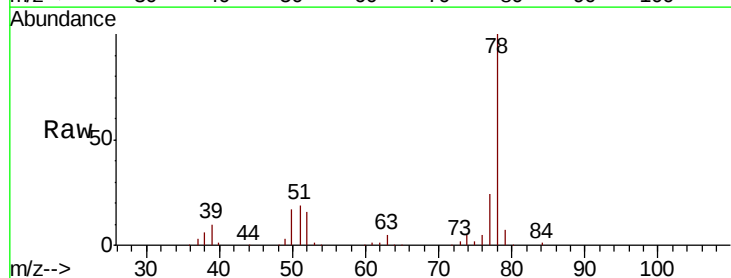
#27
 1,2-Dichloroethane
 Concen: 0.188 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

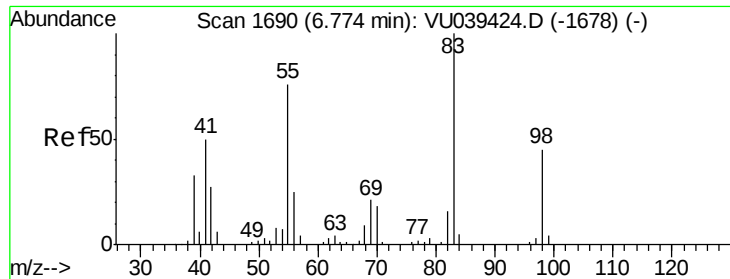
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 62 Resp: 1671
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#33
 Benzene
 Concen: 6.303 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06
 Tgt Ion: 78 Resp: 169473

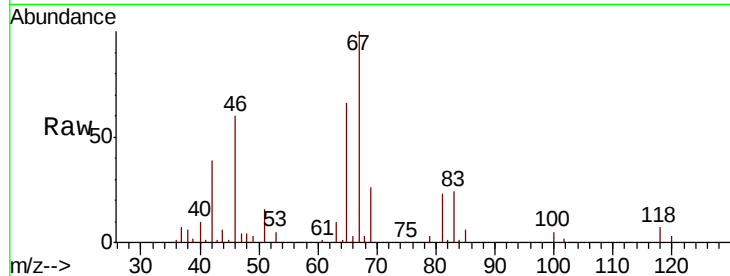




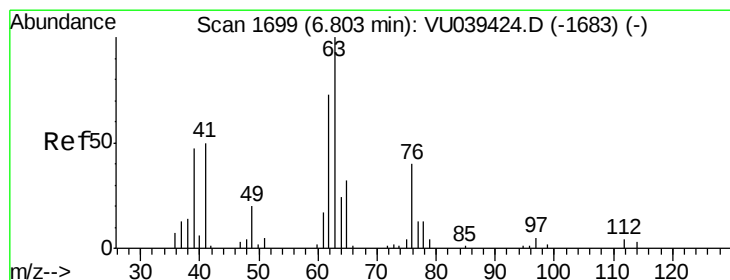
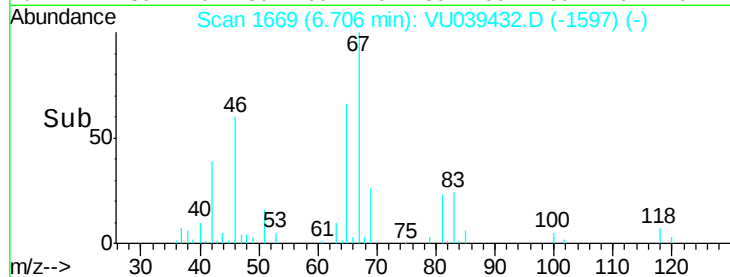
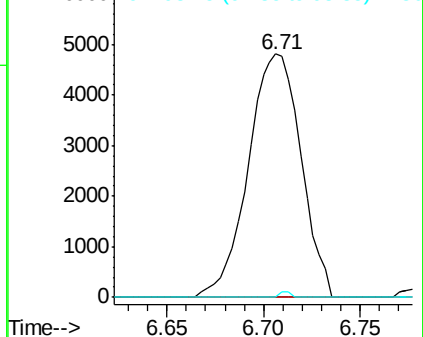
#35
Methvlcvclohexane
Concen: 0.817 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 9101
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.5 35.9 53.9#

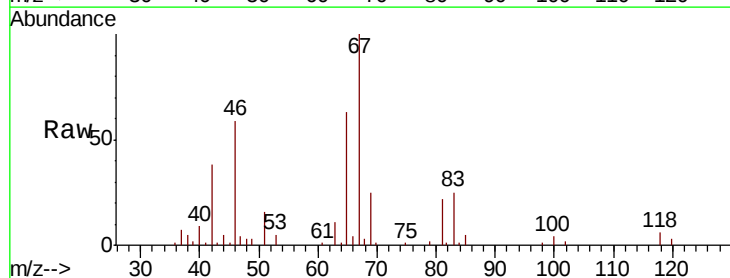


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

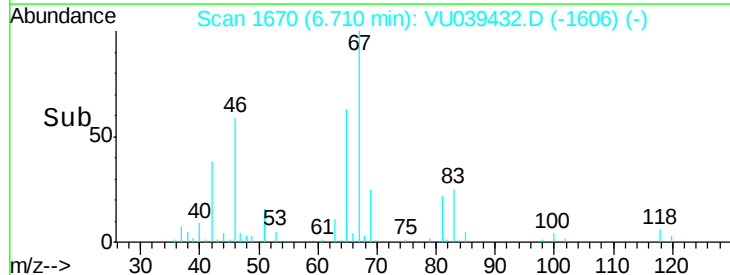
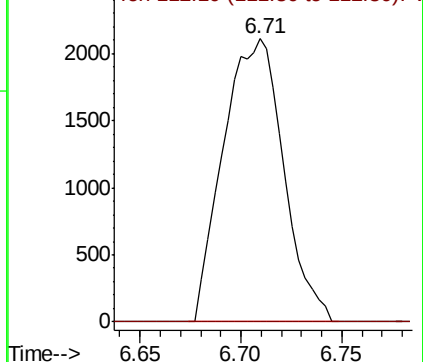


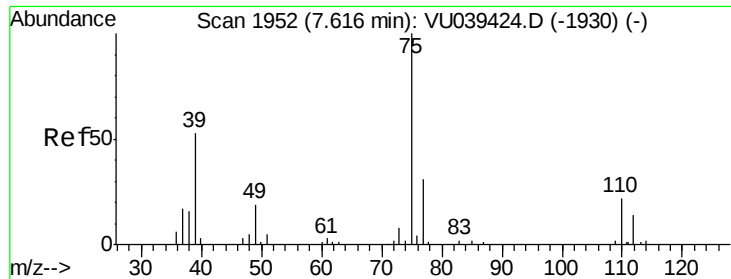
#37
1,2-Dichloropropane
Concen: 0.599 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.09 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

Tgt Ion: 63 Resp: 4389
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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

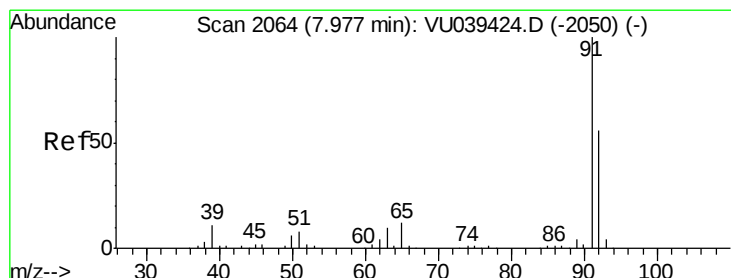
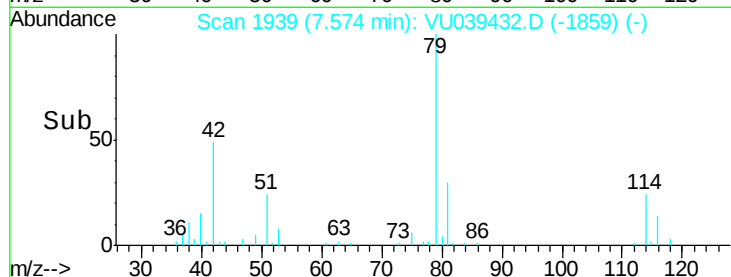
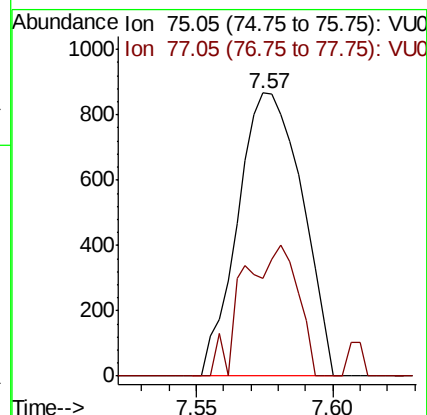
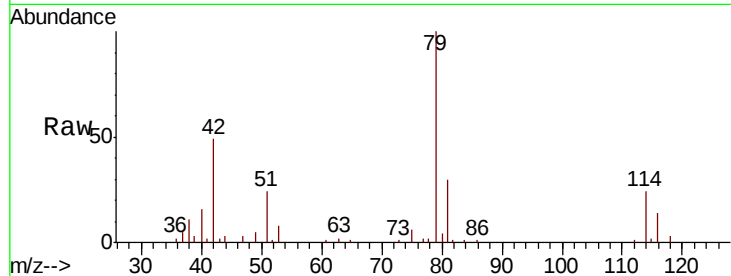




#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

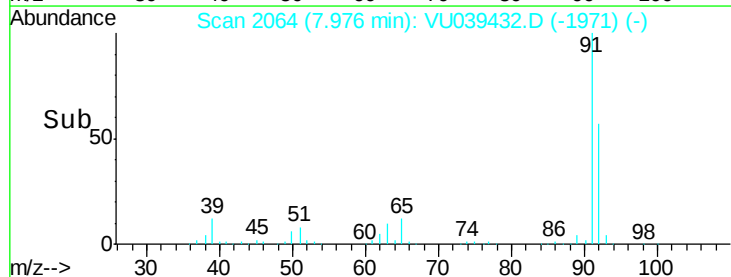
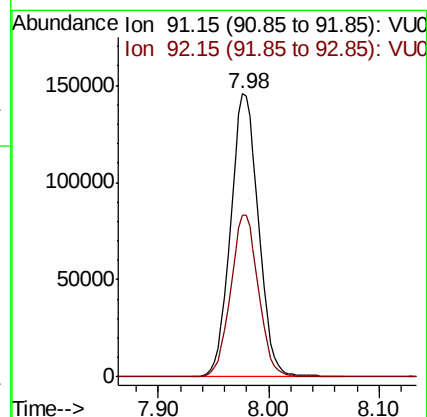
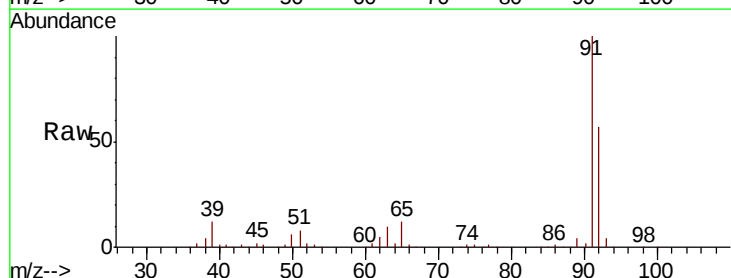
Instrument :
 MSVOA_U
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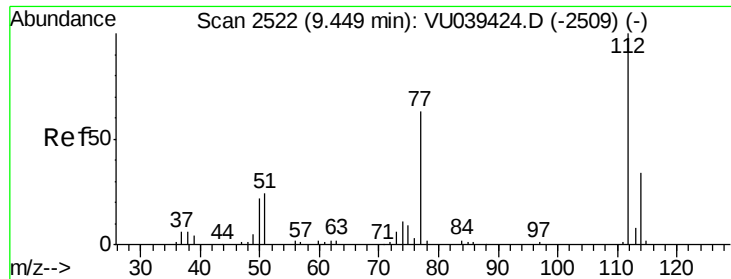
Tot Ion: 75 Resp: 1420
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.3 41.3



#42
 Toluene
 Concen: 8.878 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU039432.D
 Acq: 10 Jul 2020 16:06

Tgt Ion: 91 Resp: 255631
 Ion Ratio Lower Upper
 91 100
 92 57.0 39.3 73.1

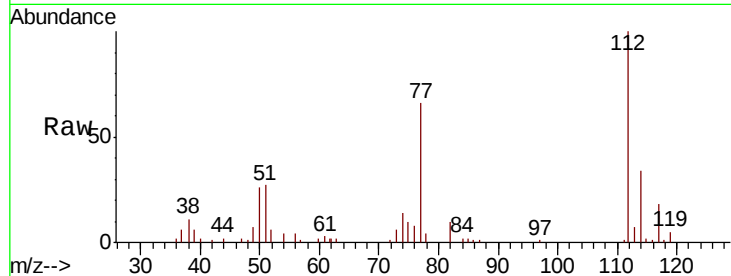




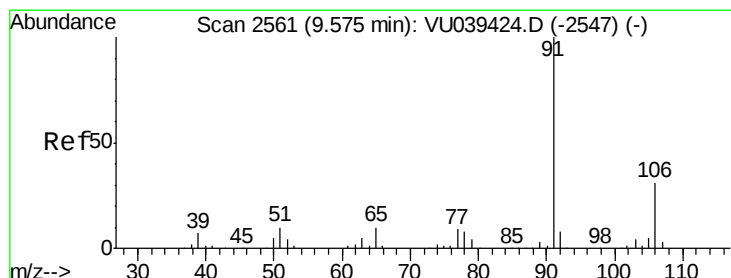
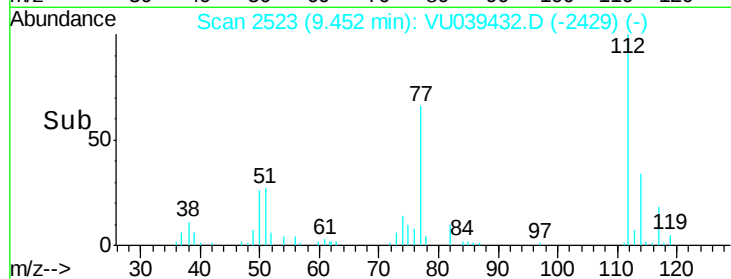
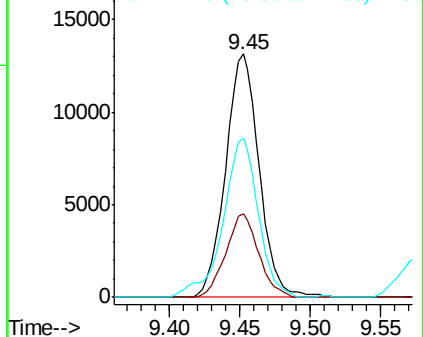
#51
Chlorobenzene
Concen: 1.241 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 112 Resp: 21841
Ion Ratio Lower Upper
112 100
114 34.5 22.1 41.1
77 65.5 49.9 74.9

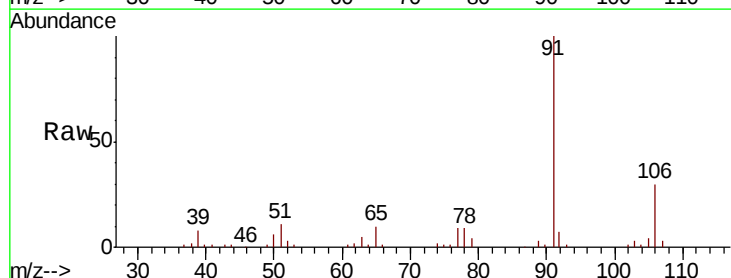


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

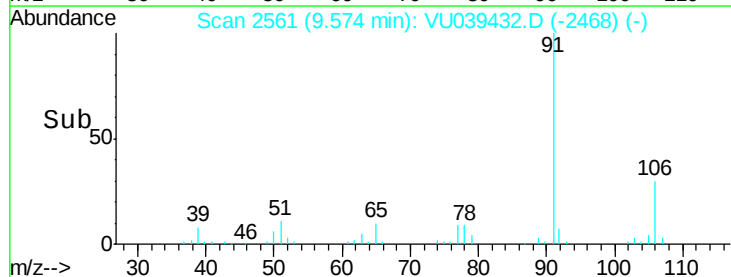
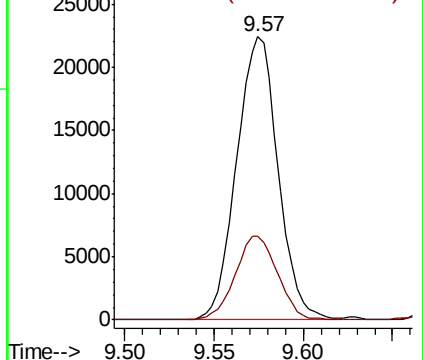


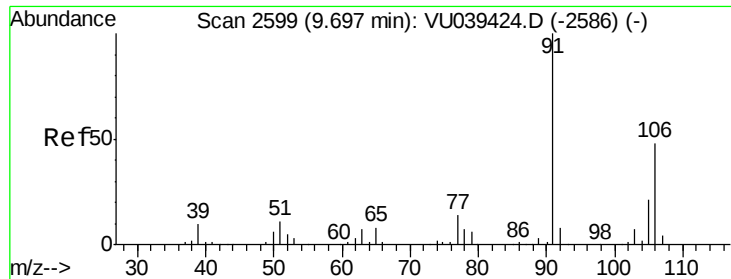
#52
Ethylbenzene
Concen: 1.147 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039432.D
Acq: 10 Jul 2020 16:06

Tgt Ion: 91 Resp: 36489
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 3.077 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

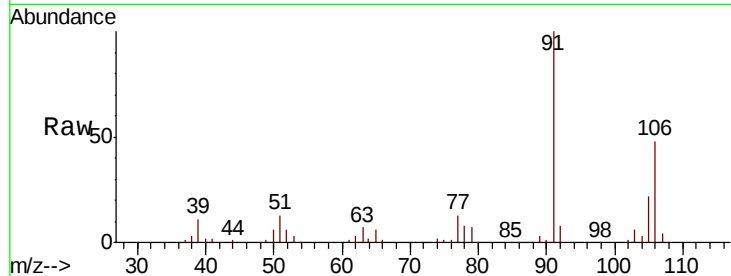
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 36893

Ion Ratio Lower Upper

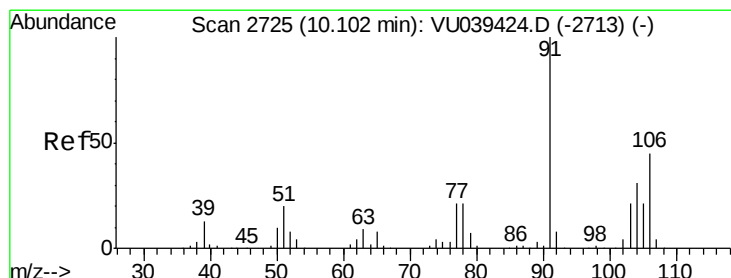
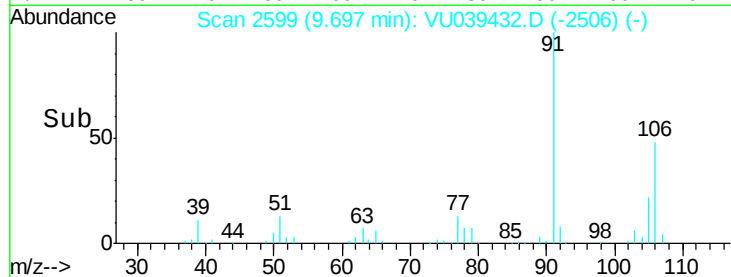
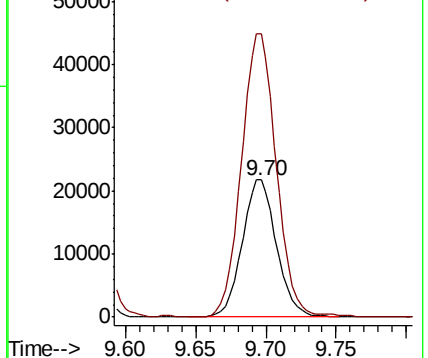
106 100

91 206.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.999 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039432.D

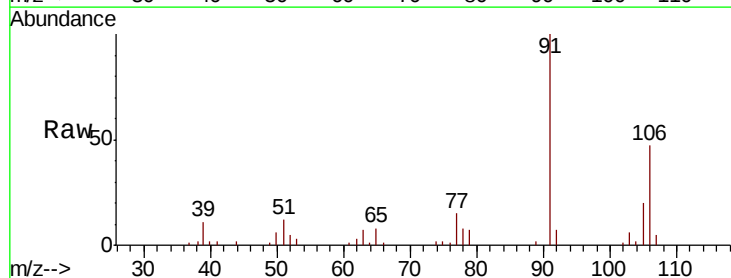
Acq: 10 Jul 2020 16:06

Tgt Ion:106 Resp: 11665

Ion Ratio Lower Upper

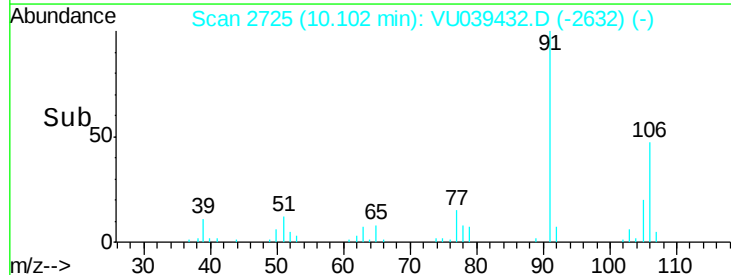
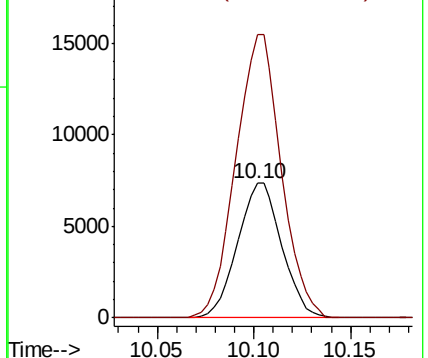
106 100

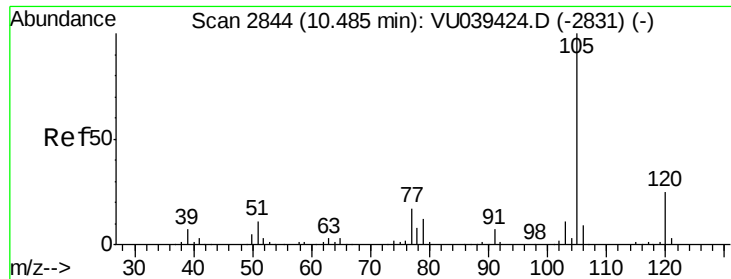
91 210.7 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.204 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

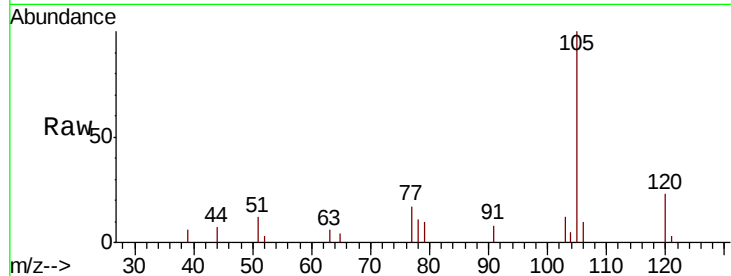
Tot Ion:105 Resp: 6441

Ion Ratio Lower Upper

105 100

120 23.9 20.7 31.1

77 16.3 13.9 20.9

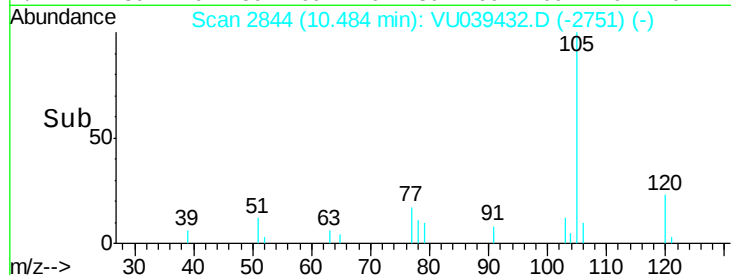


Abundance Ion 105.05 (104.75 to 105.75): V

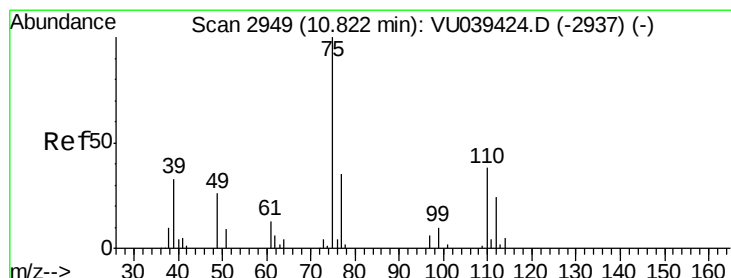
Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.416 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039432.D

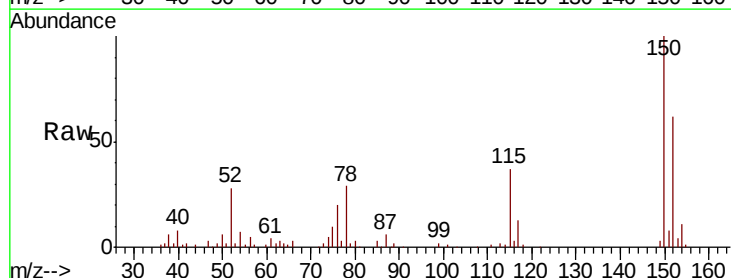
Acq: 10 Jul 2020 16:06

Tgt Ion: 75 Resp: 7647

Ion Ratio Lower Upper

75 100

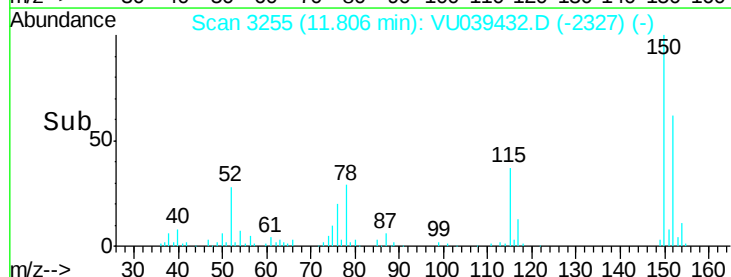
77 32.2 26.8 40.2



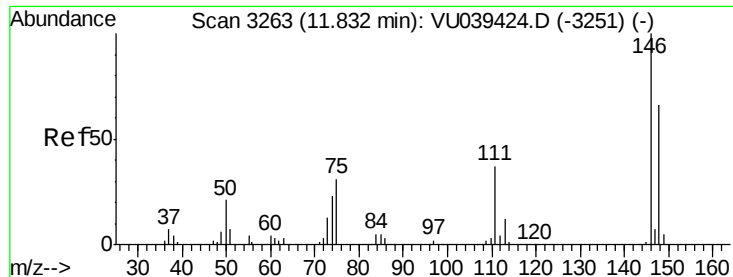
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Time-->



Time-->



#63

1,4-Dichlorobenzene

Concen: 0.107 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039432.D

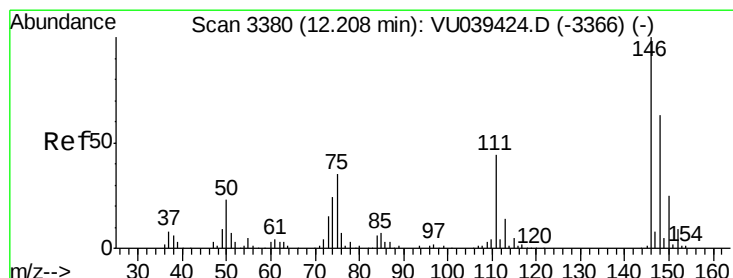
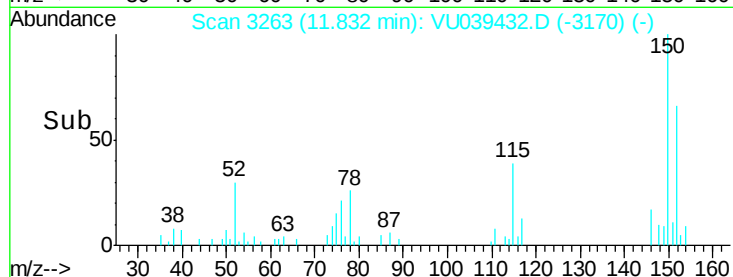
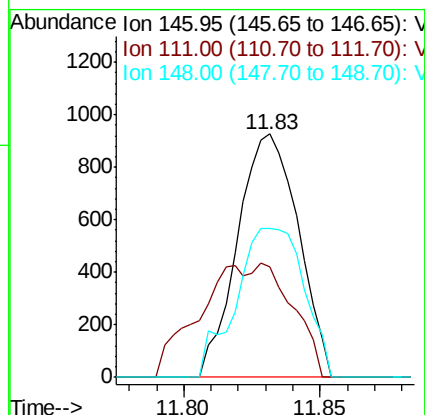
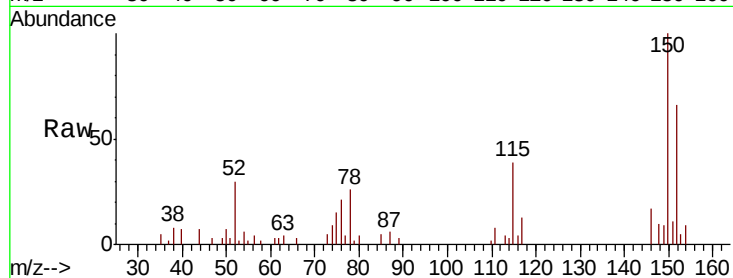
Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	146	Resp:	1431
Ion	Ratio	Lower	Upper
146	100		
111	45.3	28.6	53.0
148	61.3	45.0	83.6



#65

1,2-Dichlorobenzene

Concen: 0.107 ug/L

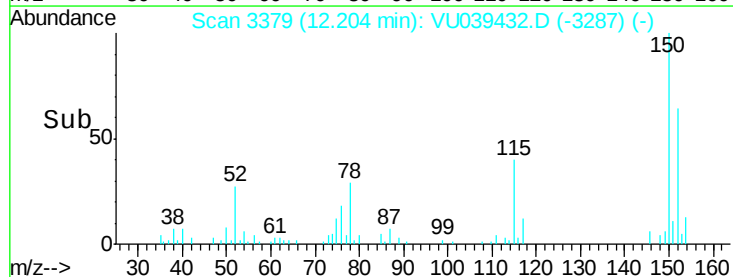
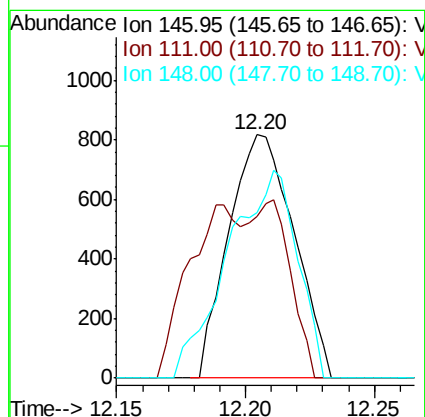
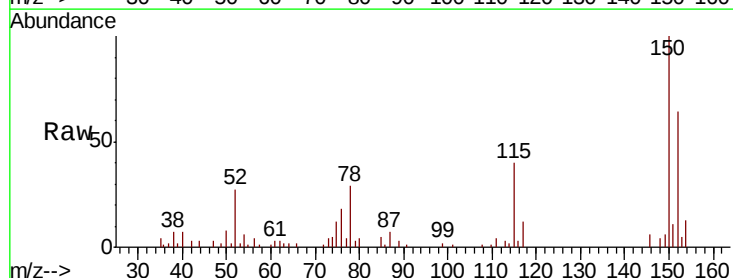
RT: 12.20 min Scan# 3379

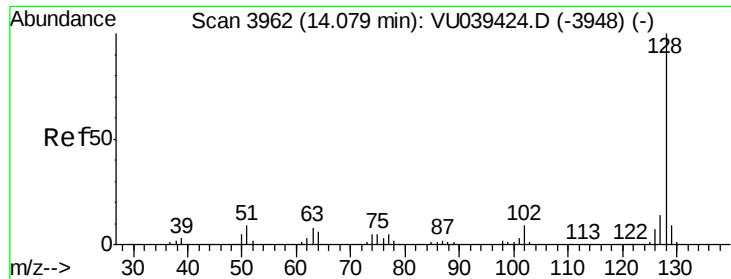
Delta R.T. -0.00 min

Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Tgt Ion:	146	Resp:	1438
Ion	Ratio	Lower	Upper
146	100		
111	66.3	35.0	52.4#
148	67.7	50.6	75.8





#69

Naphthalene

Concen: 0.182 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

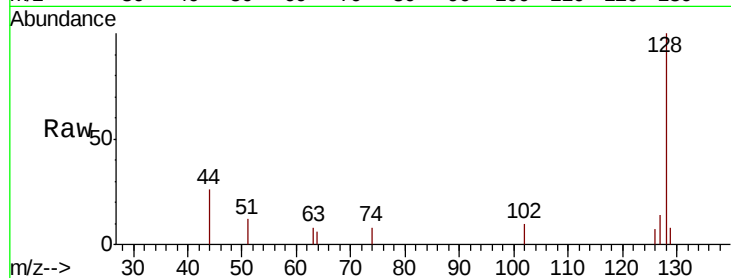
Lab File: VU039432.D

Acq: 10 Jul 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :



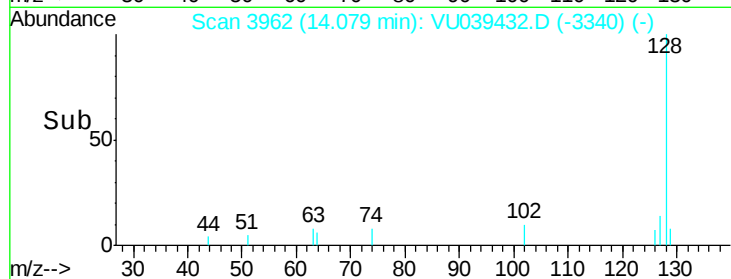
Tot Ion:128 Resp: 3126

Ion Ratio Lower Upper

128 100

129 7.8 8.6 13.0#

127 11.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

