

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039430.D
 Acq On : 10 Jul 2020 15:20
 Operator : SY/MD
 Sample : L3261-07DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:52:11 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	95757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	88655	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21822	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.93	69	27681	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.58	63	36899	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.66	46	148443	58.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.92%
24) Chloroform-d	5.09	84	59271	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.72	65	39552	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.75	84	115200	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.71	67	40855	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.91	98	97164	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	8.19	79	16644	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	110485	56.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38349	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	40264	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	889	0.114	ug/L #	37
8) Chloroethane	1.94	64	4100	0.727	ug/L	95
16) Methylene chloride	3.06	84	1073	0.150	ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	4763	0.674	ug/L	94
25) Chloroform	5.11	83	3049	0.245	ug/L	92
27) 1,2-Dichloroethane	5.79	62	3046	0.338	ug/L #	78
33) Benzene	5.79	78	322863	12.181	ug/L	100
37) 1,2-Dichloropropane	6.71	63	4743	0.656	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1373	0.126	ug/L #	81
42) Toluene	7.98	91	532982	18.778	ug/L	100
51) Chlorobenzene	9.45	112	42496	2.450	ug/L	98
52) Ethylbenzene	9.57	91	75118	2.395	ug/L	99
53) m,p-Xylene	9.69	106	70856	5.995	ug/L	99
54) o-Xylene	10.10	106	20111	1.748	ug/L	96
56) Isopropylbenzene	10.49	105	12024	0.386	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	7260	1.363	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	2048	0.154	ug/L	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039430.D
Acq On : 10 Jul 2020 15:20
Operator : SY/MD
Sample : L3261-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 11 02:52:11 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

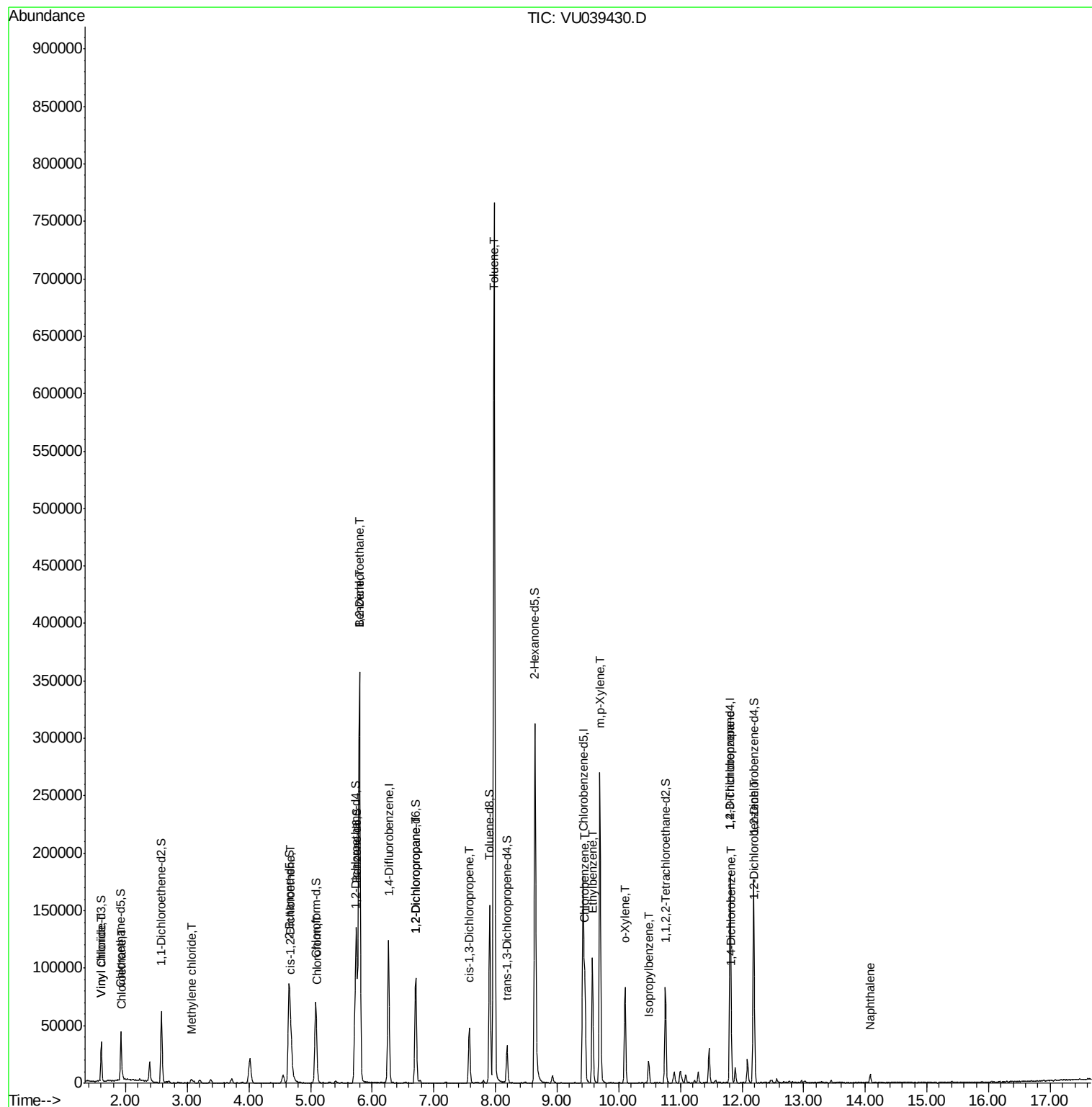
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.21	146	2634	0.198	ug/L #	84
69) Naphthalene	14.08	128	6252	0.366	ug/L	98

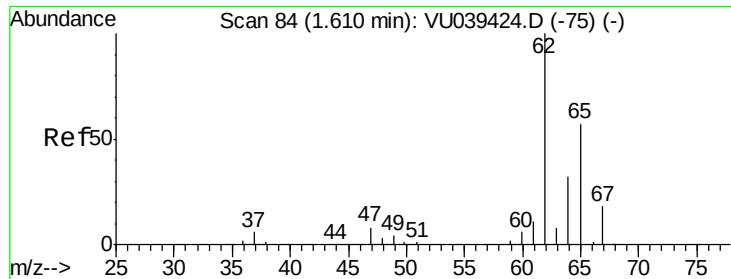
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039430.D
Acq On : 10 Jul 2020 15:20
Operator : SY/MD
Sample : L3261-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 11 02:52:11 2020
Quant Method : Z:\V0ASRV\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





#5

Vinyl chloride

Concen: 0.114 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

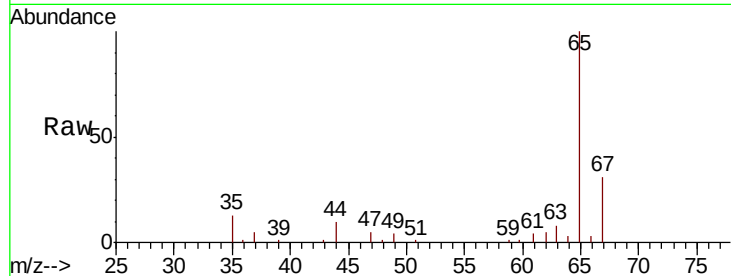
ClientSampled :

Tot Ion: 62 Resp: 889

Ion Ratio Lower Upper

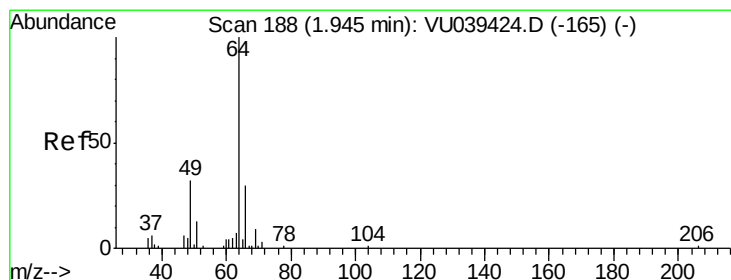
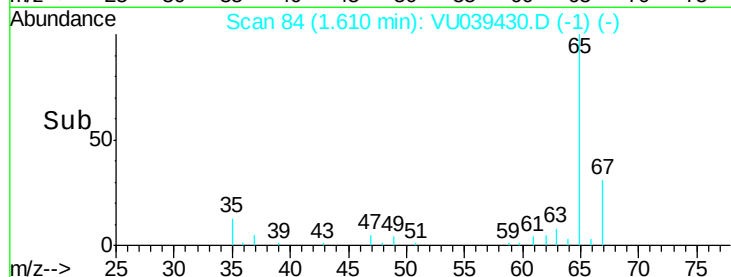
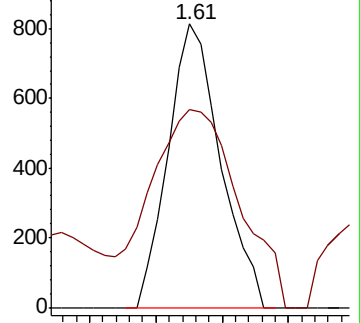
62 100

64 69.9 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.727 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039430.D

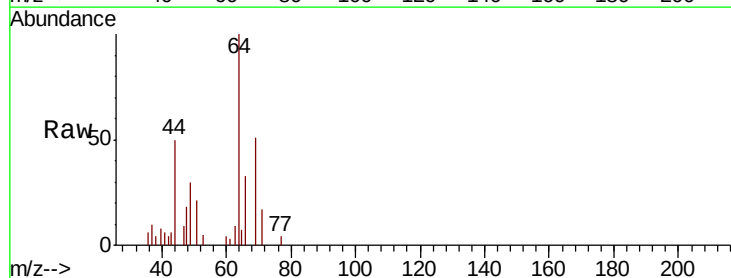
Acq: 10 Jul 2020 15:20

Tgt Ion: 64 Resp: 4100

Ion Ratio Lower Upper

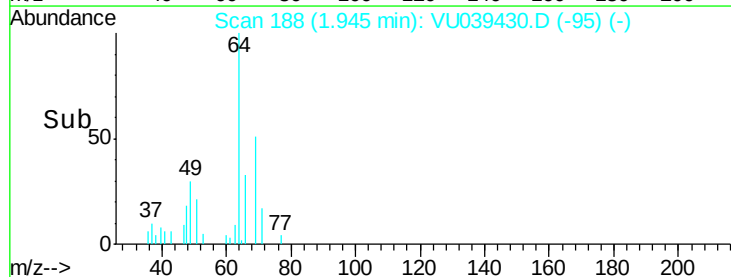
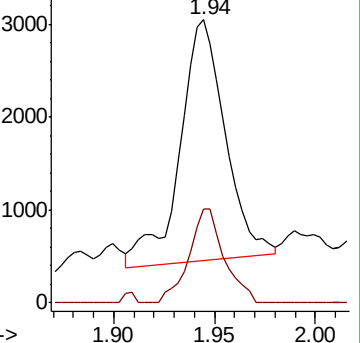
64 100

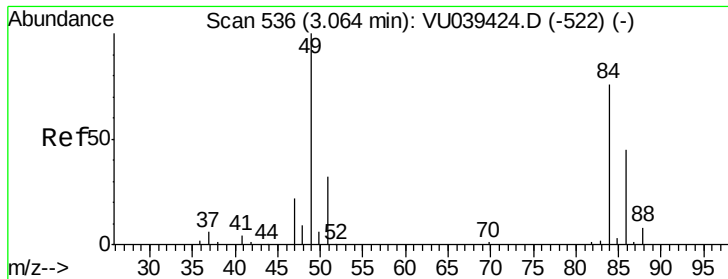
66 30.9 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

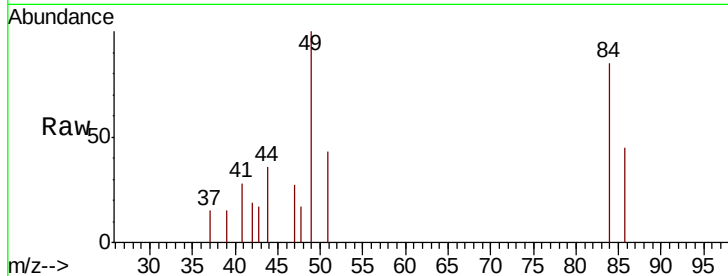




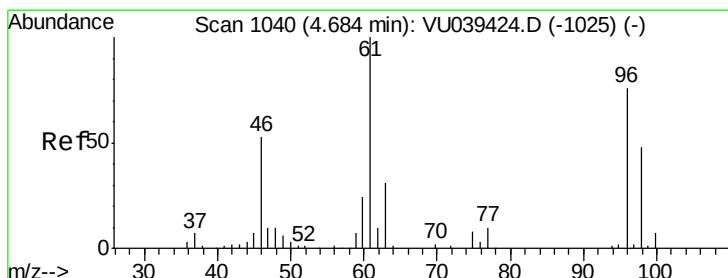
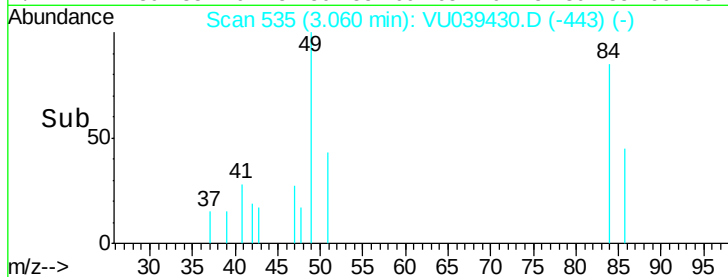
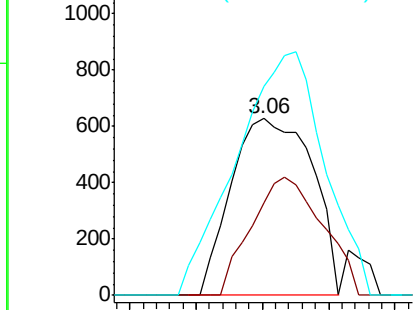
#16
Methylene chloride
Concen: 0.150 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 1073
Ion Ratio Lower Upper
84 100
86 52.8 43.5 80.9
49 118.2 91.1 169.1

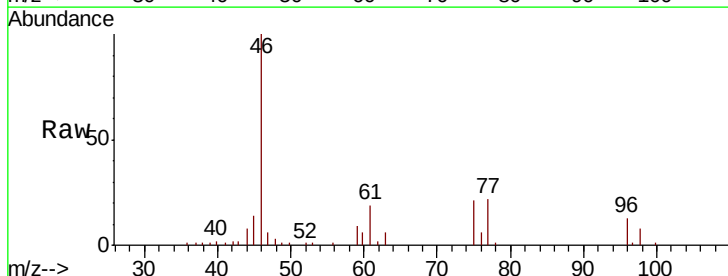


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

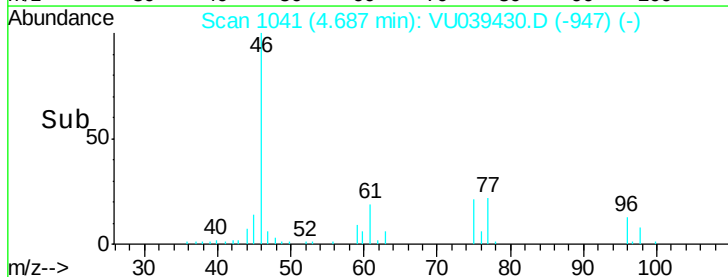
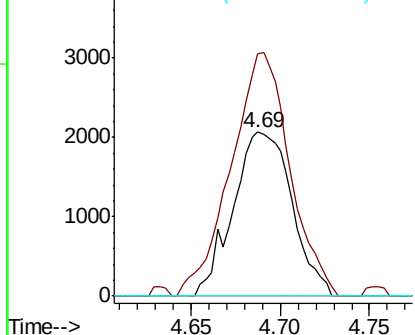


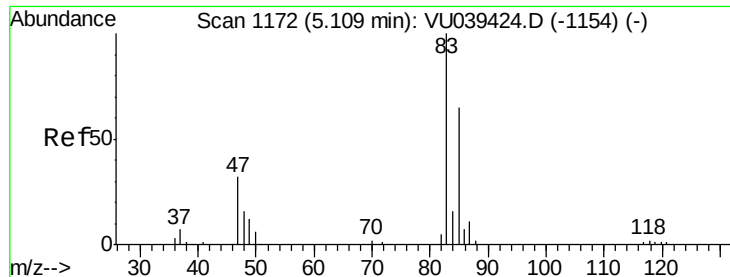
#22
cis-1,2-Dichloroethene
Concen: 0.674 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Tgt Ion: 96 Resp: 4763
Ion Ratio Lower Upper
96 100
61 139.6 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

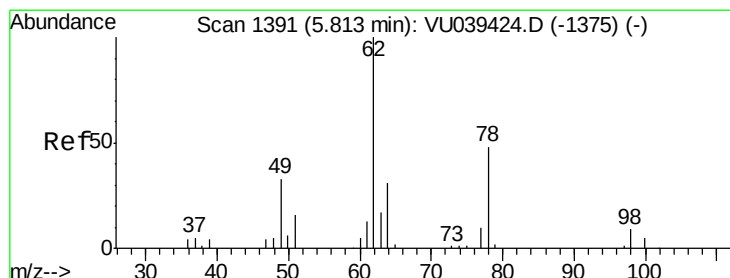
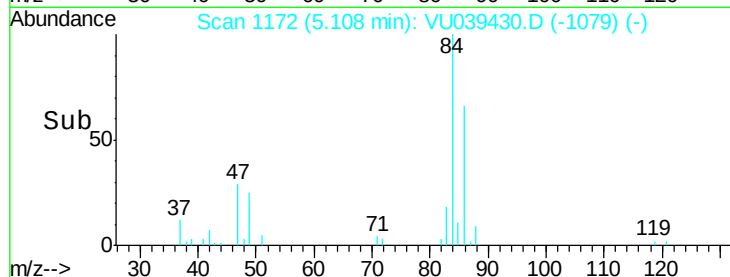
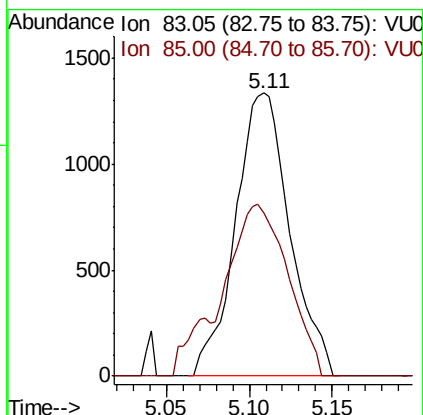
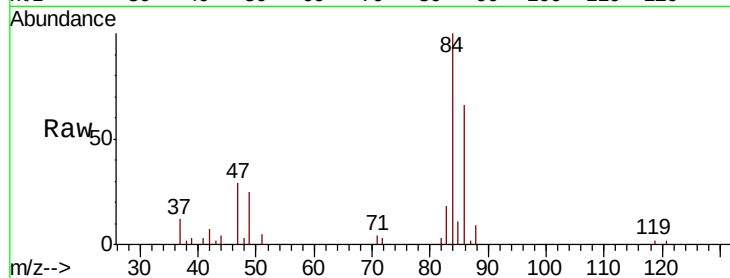




#25
Chloroform
Concen: 0.245 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

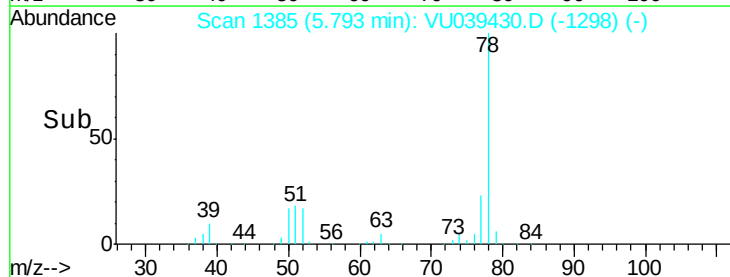
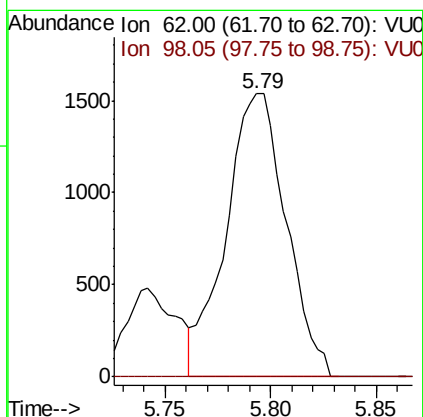
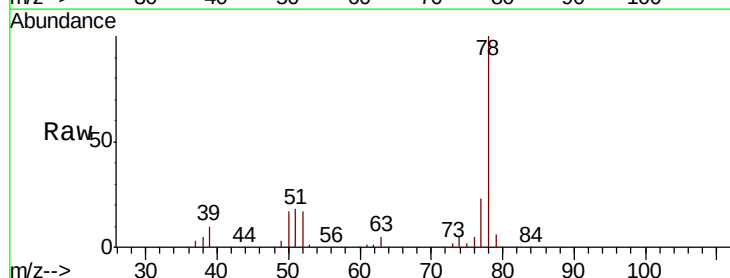
Instrument :
MSVOA_U
ClientSampleId :

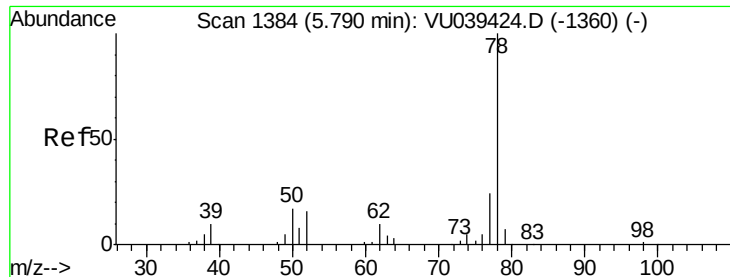
Tot Ion: 83 Resp: 3049
Ion Ratio Lower Upper
83 100
85 57.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.338 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Tgt Ion: 62 Resp: 3046
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





#33

Benzene

Concen: 12.181 ug/L

RT: 5.79 min Scan# 1385

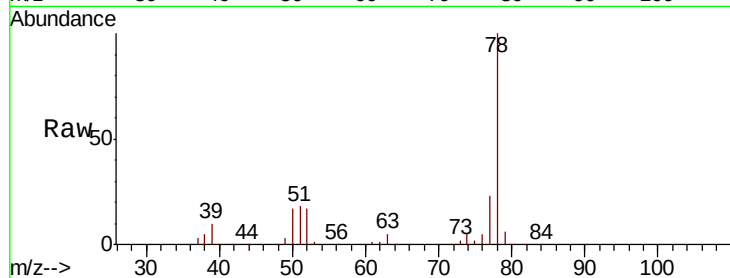
Delta R.T. 0.00 min

Lab File: VU039430.D

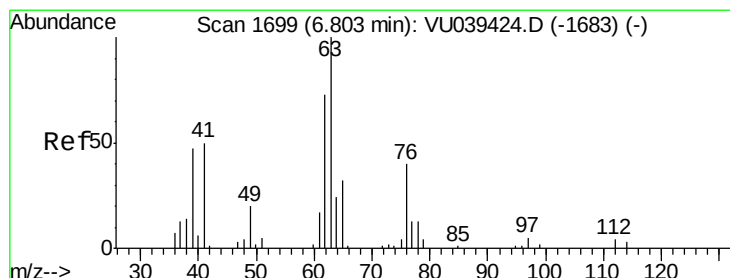
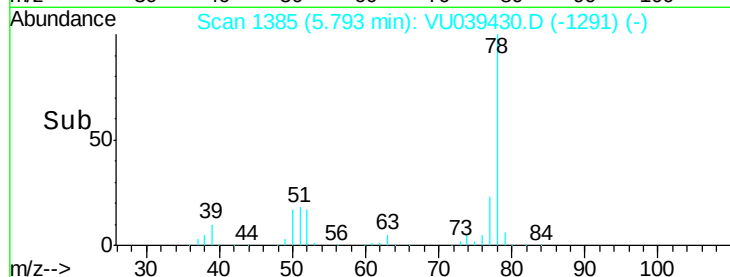
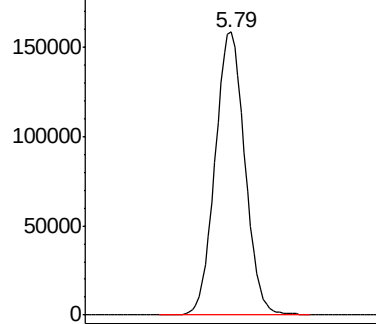
Acq: 10 Jul 2020 15:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 322863



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.656 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039430.D

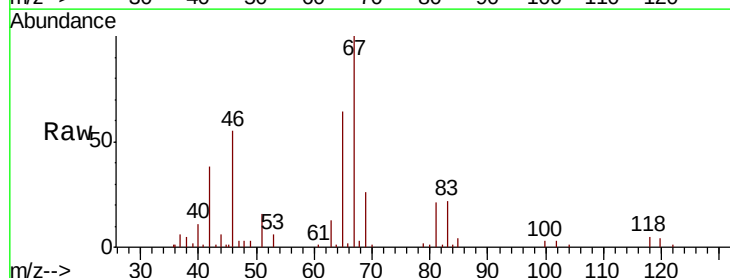
Acq: 10 Jul 2020 15:20

Tgt Ion: 63 Resp: 4743

Ion Ratio Lower Upper

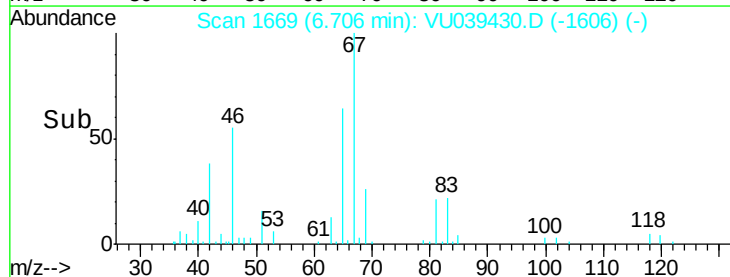
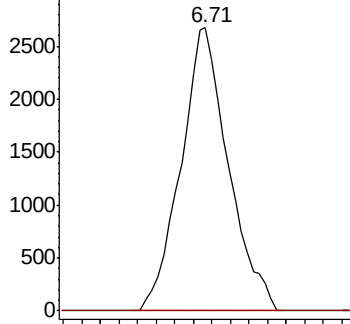
63 100

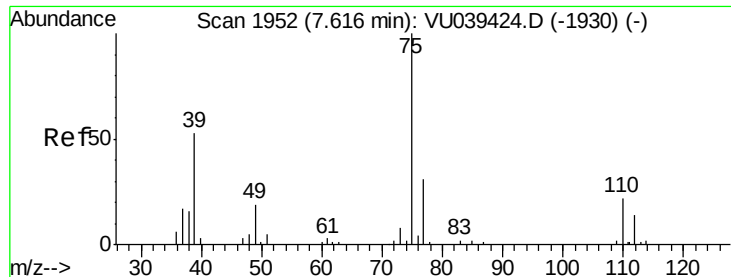
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

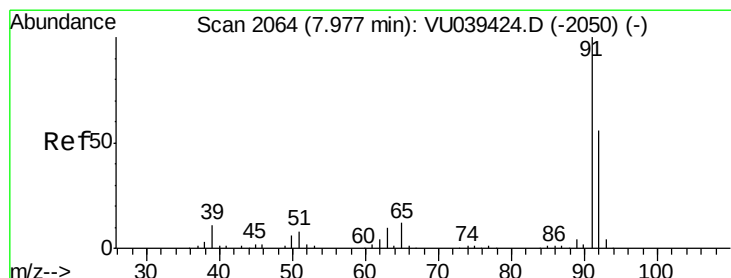
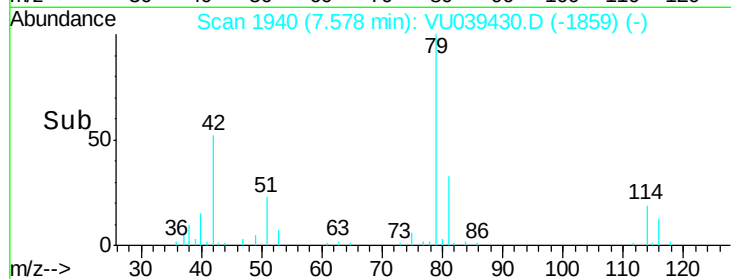
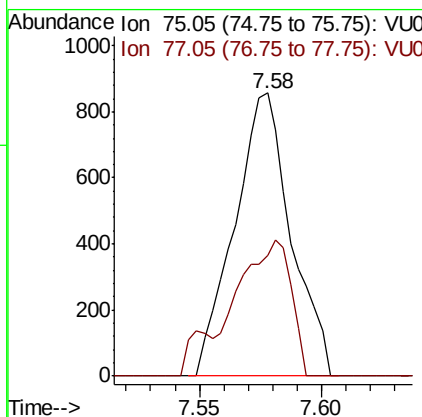
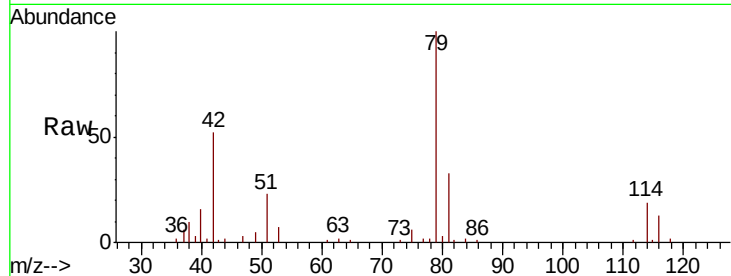




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039430.D
 Acq: 10 Jul 2020 15:20

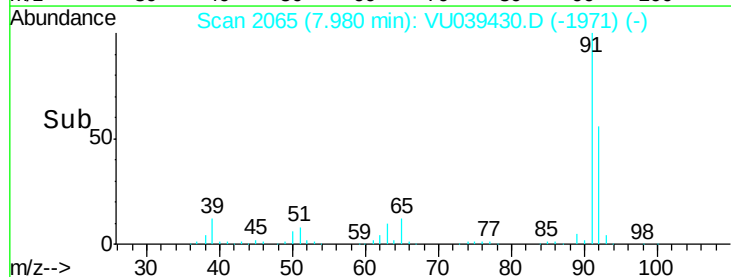
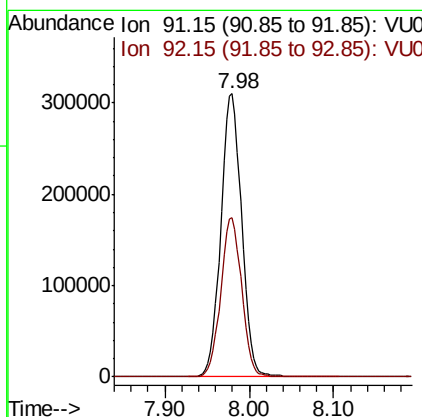
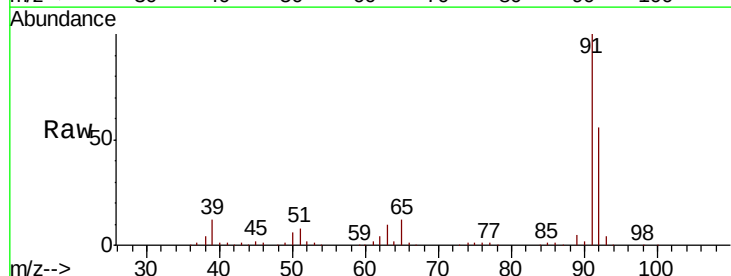
Instrument :
 MSVOA_U
 ClientSampleId :

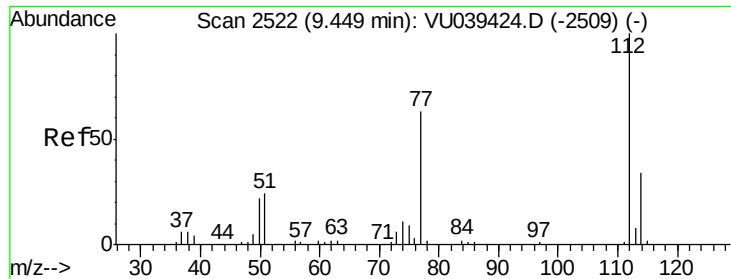
Tot Ion: 75 Resp: 1373
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.3 41.3#



#42
 Toluene
 Concen: 18.778 ug/L
 RT: 7.98 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VU039430.D
 Acq: 10 Jul 2020 15:20

Tgt Ion: 91 Resp: 532982
 Ion Ratio Lower Upper
 91 100
 92 56.1 39.3 73.1

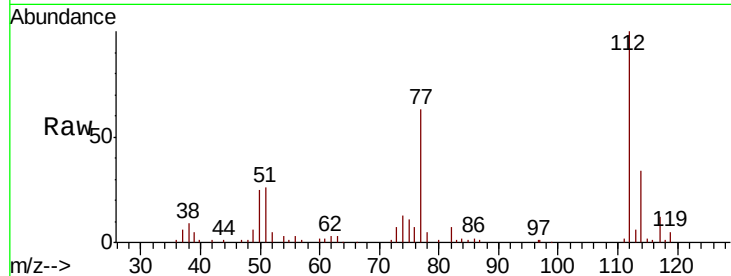




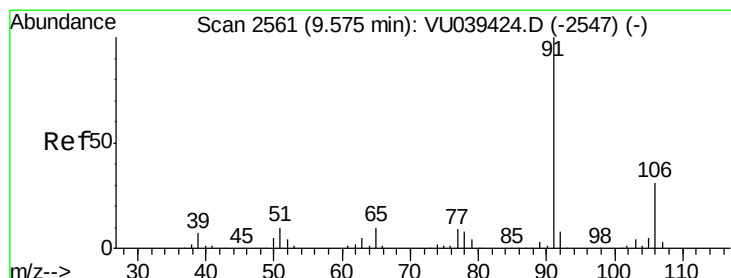
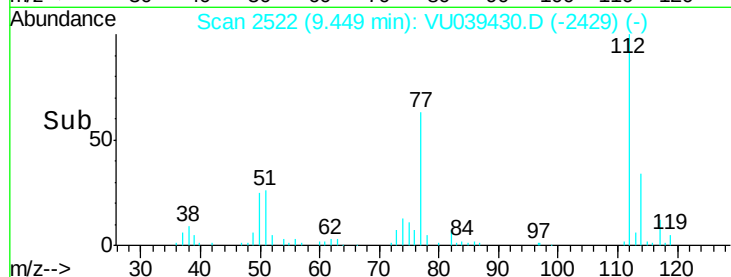
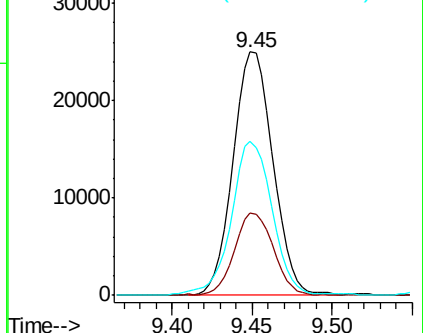
#51
Chlorobenzene
Concen: 2.450 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 112 Resp: 42496
Ion Ratio Lower Upper
112 100
114 33.9 22.1 41.1
77 63.4 49.9 74.9

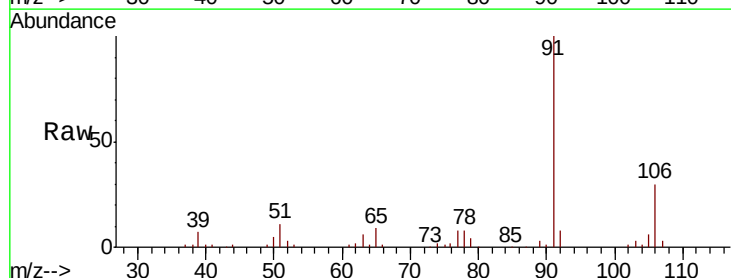


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

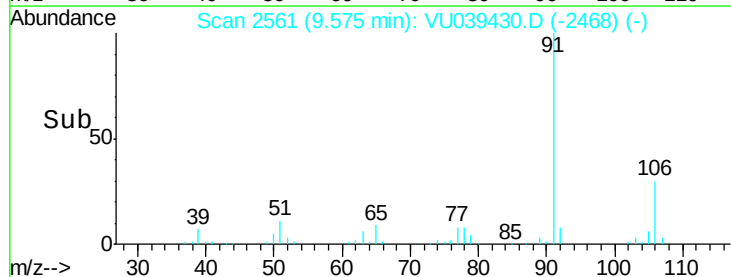
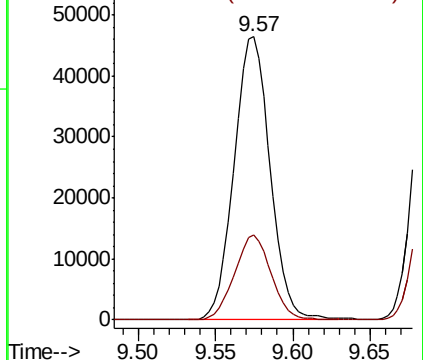


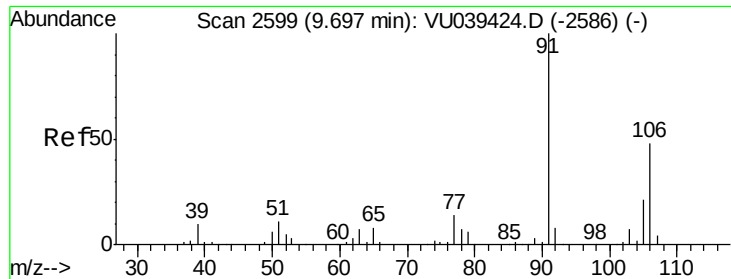
#52
Ethylbenzene
Concen: 2.395 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039430.D
Acq: 10 Jul 2020 15:20

Tgt Ion: 91 Resp: 75118
Ion Ratio Lower Upper
91 100
106 30.1 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: 5.995 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

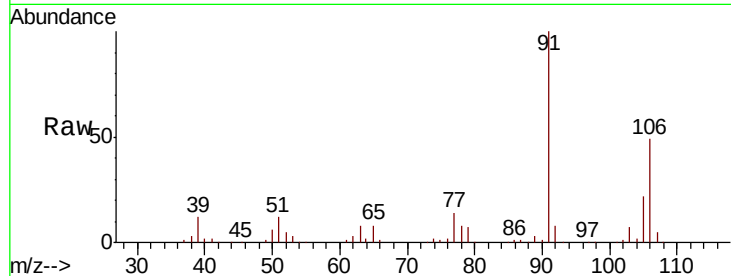
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 70856

Ion Ratio Lower Upper

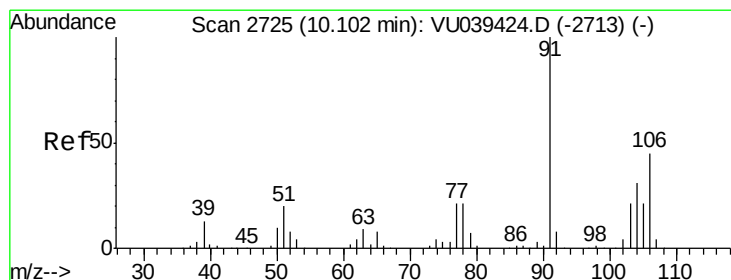
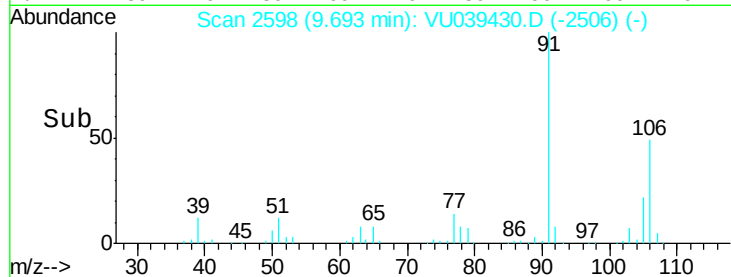
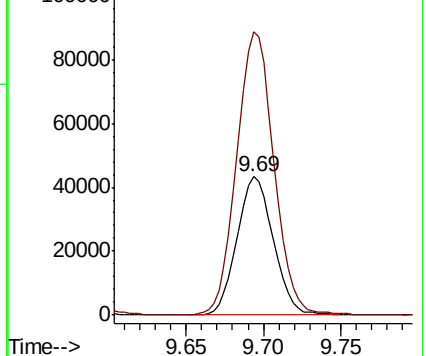
106 100

91 204.2 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.748 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039430.D

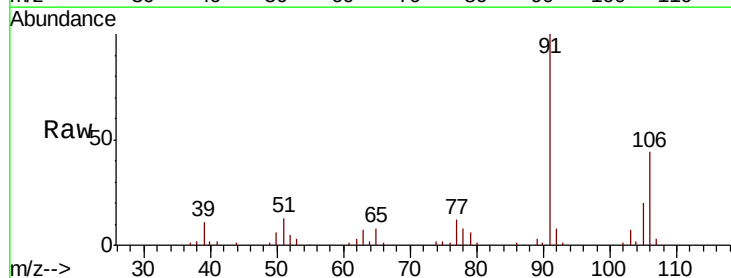
Acq: 10 Jul 2020 15:20

Tgt Ion:106 Resp: 20111

Ion Ratio Lower Upper

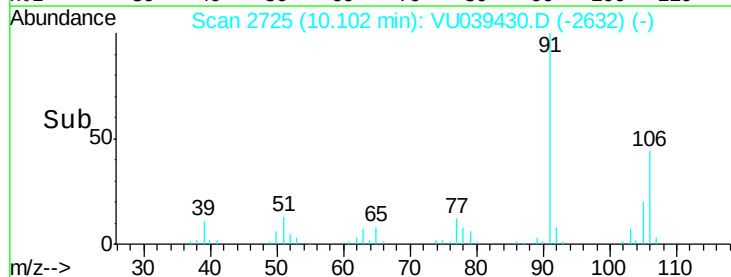
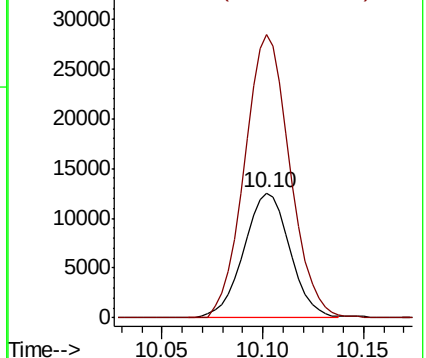
106 100

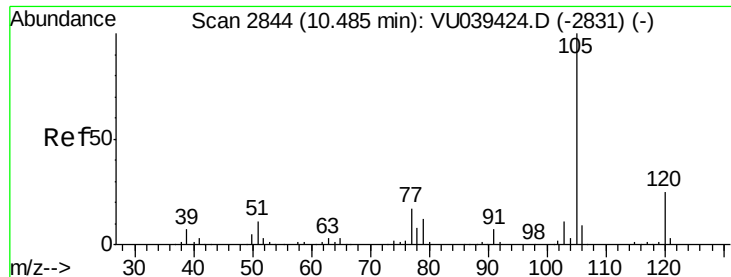
91 226.7 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.386 ug/L

RT: 10.49 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

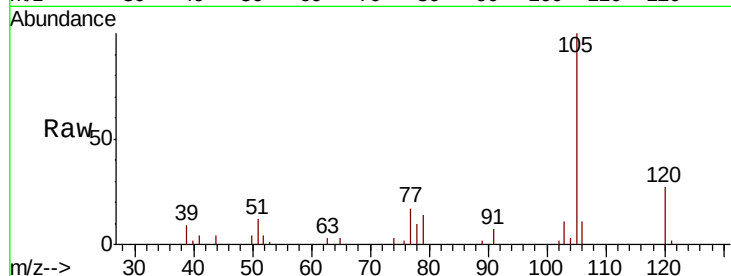
Tot Ion:105 Resp: 12024

Ion Ratio Lower Upper

105 100

120 27.2 20.7 31.1

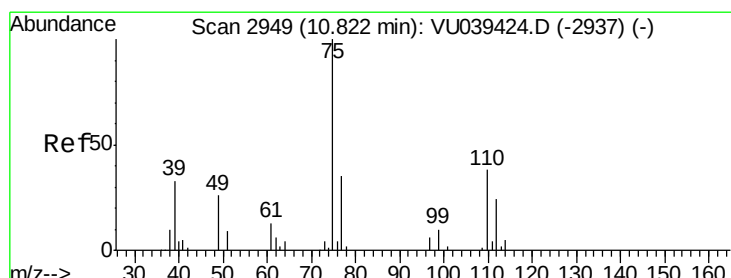
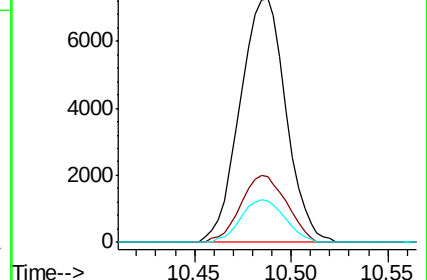
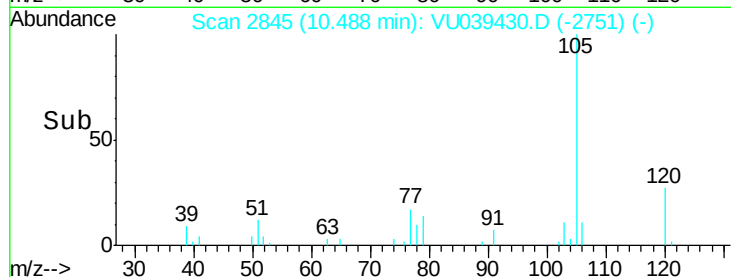
77 16.8 13.9 20.9



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



#59

1,2,3-Trichloropropane

Concen: 1.363 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039430.D

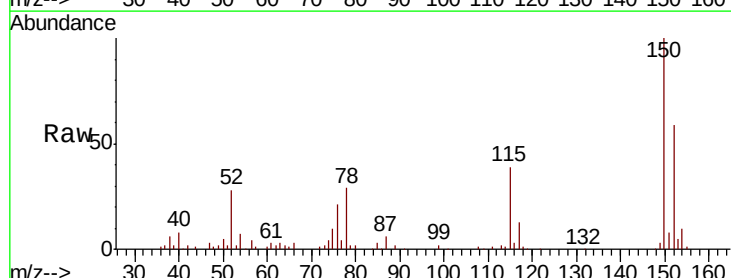
Acq: 10 Jul 2020 15:20

Tgt Ion: 75 Resp: 7260

Ion Ratio Lower Upper

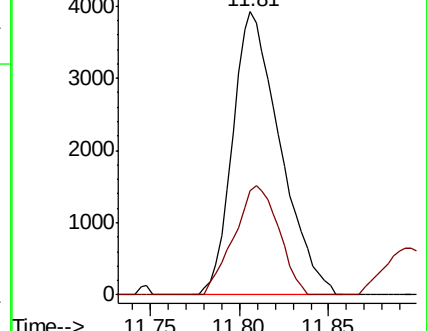
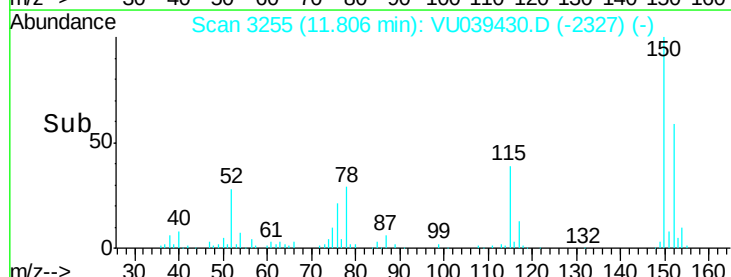
75 100

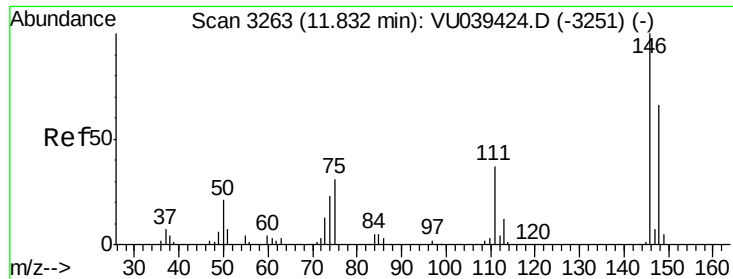
77 36.4 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 0.154 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

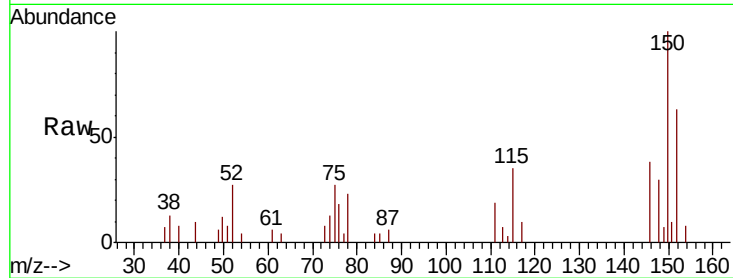
Tot Ion:146 Resp: 2048

Ion Ratio Lower Upper

146 100

111 50.8 28.6 53.0

148 79.0 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

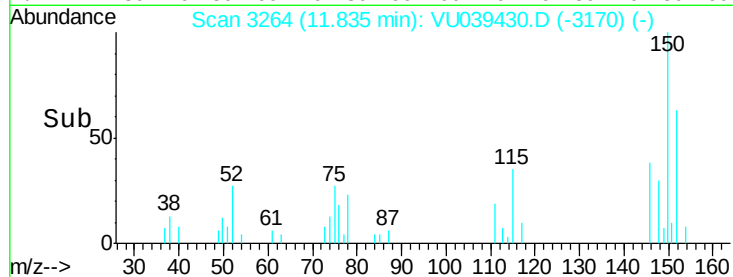
11.83

1000

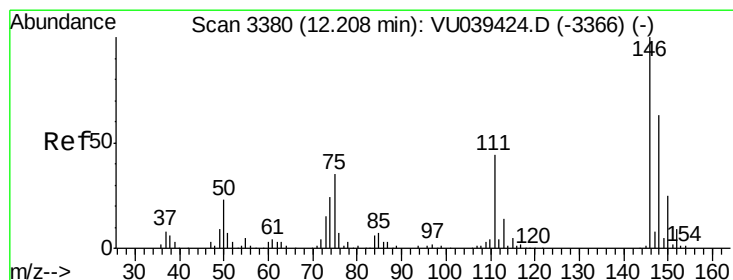
500

0

11.80 11.85



Time-->



#65

1,2-Dichlorobenzene

Concen: 0.198 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

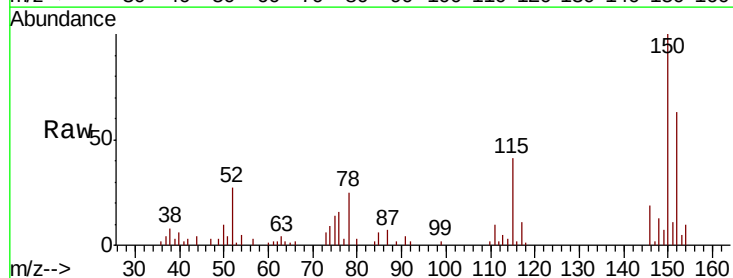
Tgt Ion:146 Resp: 2634

Ion Ratio Lower Upper

146 100

111 61.8 35.0 52.4#

148 68.7 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.21

2000

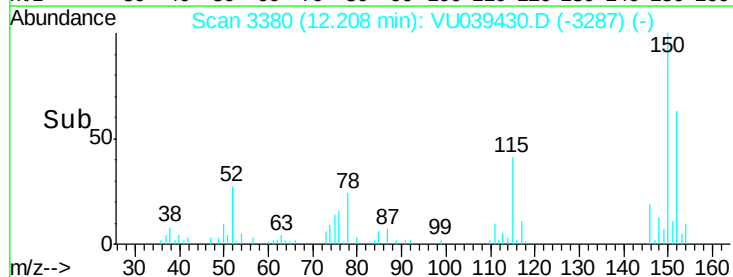
1500

1000

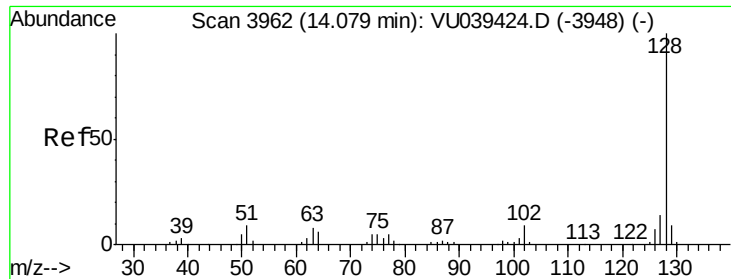
500

0

12.15 12.20 12.25



Time-->



#69

Naphthalene

Concen: 0.366 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

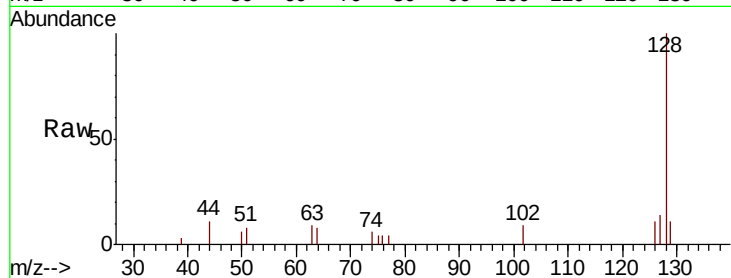
Lab File: VU039430.D

Acq: 10 Jul 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :



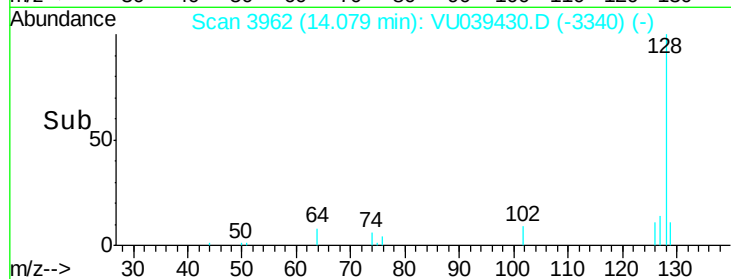
Tot Ion:128 Resp: 6252

Ion Ratio Lower Upper

128 100

129 10.1 8.6 13.0

127 12.1 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

