

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071020\
 Data File : VU039433.D
 Acq On : 10 Jul 2020 16:29
 Operator : SY/MD
 Sample : L3261-04DL25X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:52:54 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	98294	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	91350	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22656	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.92	69	32888	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.80%
11) 1,1-Dichloroethene-d2	2.58	63	37127	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.65	46	150275	57.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.30%
24) Chloroform-d	5.08	84	61154	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	41422	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.75	84	115700	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.71	67	41894	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.91	98	98373	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	8.19	79	16348	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	112824	55.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39526	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41232	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	2769	0.478	ug/L 91
13) Acetone	2.66	43	1859	1.321	ug/L 66
16) Methylene chloride	3.06	84	1932	0.263	ug/L 93
22) cis-1,2-Dichloroethene	4.69	96	3321	0.458	ug/L 69
25) Chloroform	5.11	83	3345	0.262	ug/L 98
27) 1,2-Dichloroethane	5.79	62	2378	0.257	ug/L # 78
33) Benzene	5.79	78	207843	7.610	ug/L 100
35) Methylcyclohexane	6.70	83	8990	0.795	ug/L # 18
37) 1,2-Dichloropropane	6.71	63	4662	0.626	ug/L # 91
39) cis-1,3-Dichloropropene	7.57	75	1221	0.108	ug/L # 43
42) Toluene	7.98	91	307404	10.511	ug/L 100
51) Chlorobenzene	9.45	112	29549	1.653	ug/L 96
52) Ethylbenzene	9.57	91	43110	1.334	ug/L 99
53) m,p-Xylene	9.69	106	42096	3.457	ug/L 97
54) o-Xylene	10.10	106	13530	1.141	ug/L 94
56) Isopropylbenzene	10.48	105	6940	0.216	ug/L 98
59) 1,2,3-Trichloropropane	11.81	75	7858	1.432	ug/L 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039433.D
Acq On : 10 Jul 2020 16:29
Operator : SY/MD
Sample : L3261-04DL25X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 11 02:52:54 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

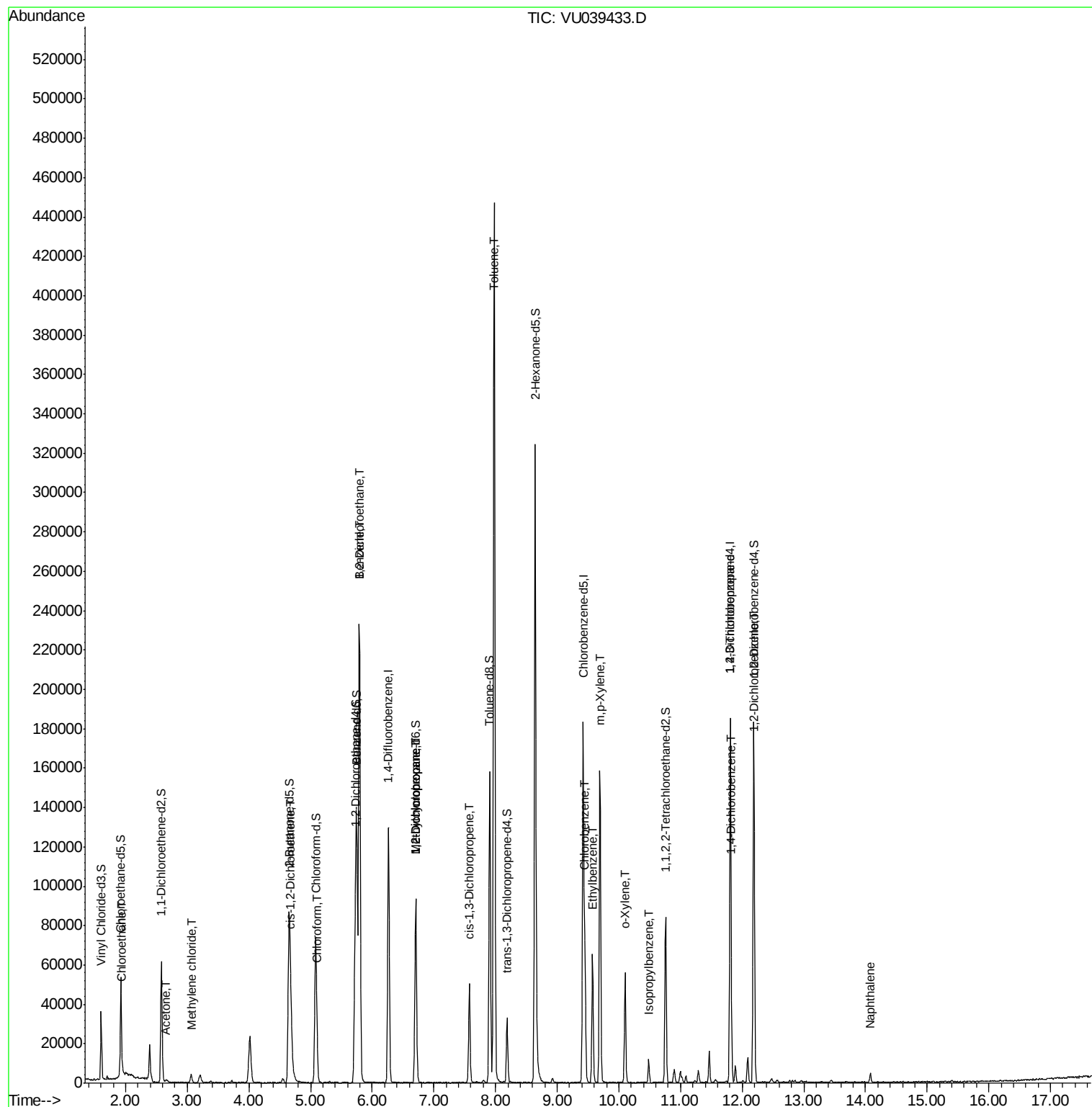
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.83	146	1917	0.141	uq/L	95
65) 1,2-Dichlorobenzene	12.20	146	2086	0.154	uq/L #	78
69) Naphthalene	14.08	128	4137	0.237	uq/L #	89

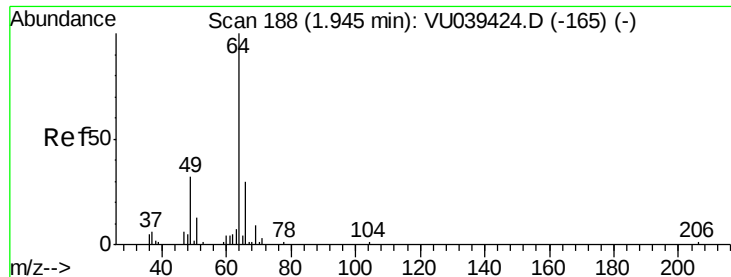
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071020\
Data File : VU039433.D
Acq On : 10 Jul 2020 16:29
Operator : SY/MD
Sample : L3261-04DL25X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 11 02:52:54 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

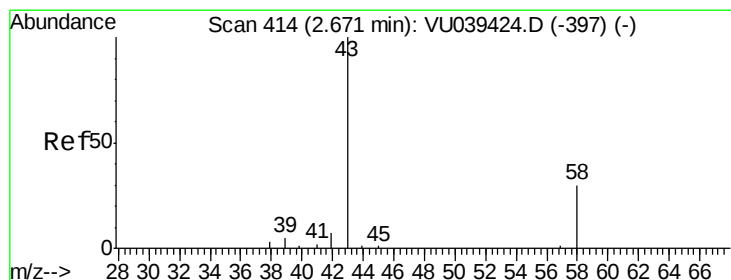
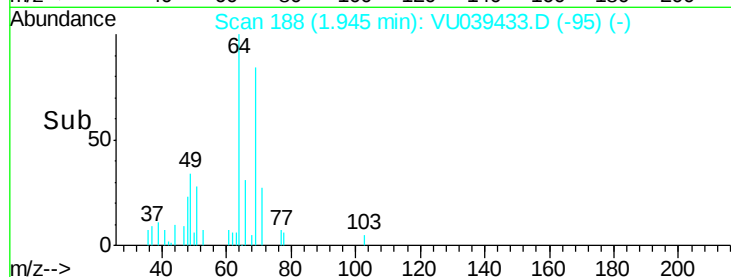
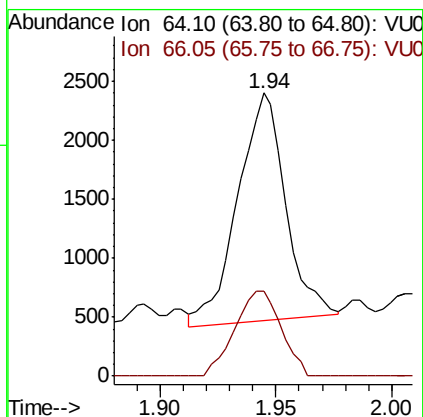
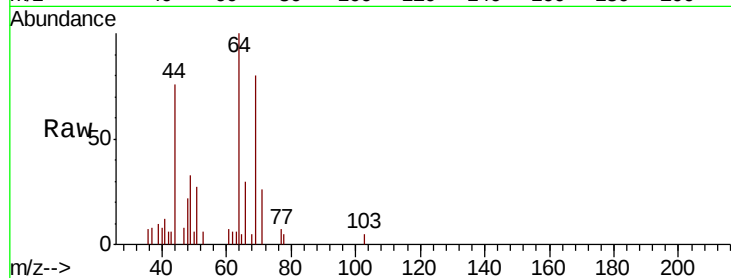




#8
Chloroethane
Concen: 0.478 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

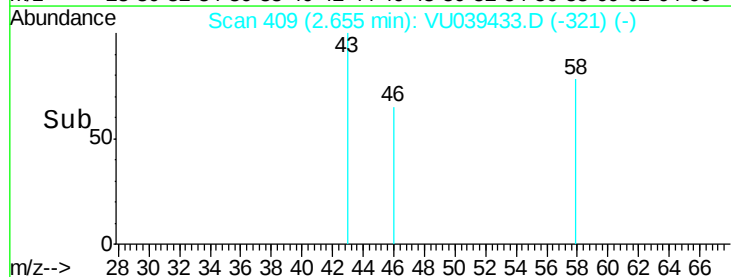
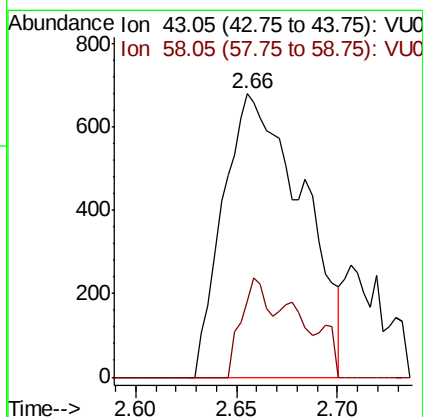
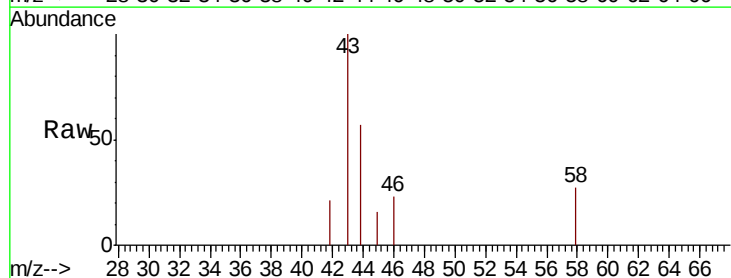
Instrument :
MSVOA_U
ClientSampled :

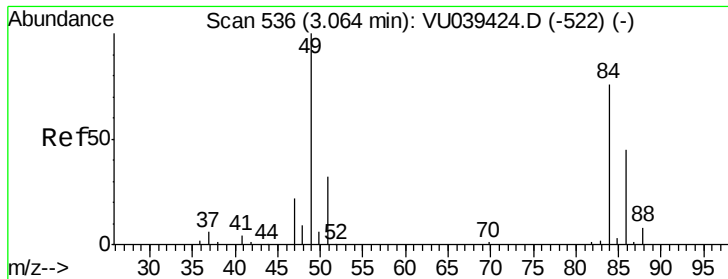
Tot Ion: 64 Resp: 2769
Ion Ratio Lower Upper
64 100
66 28.3 23.5 43.7



#13
Acetone
Concen: 1.321 ug/L
RT: 2.66 min Scan# 409
Delta R.T. -0.02 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Tgt Ion: 43 Resp: 1859
Ion Ratio Lower Upper
43 100
58 12.4 0.0 62.8

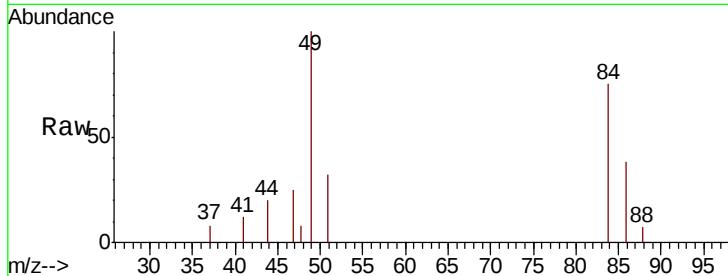




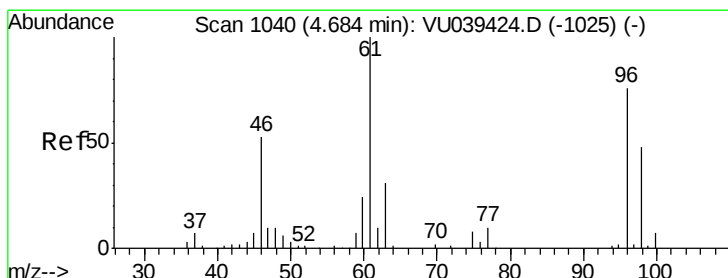
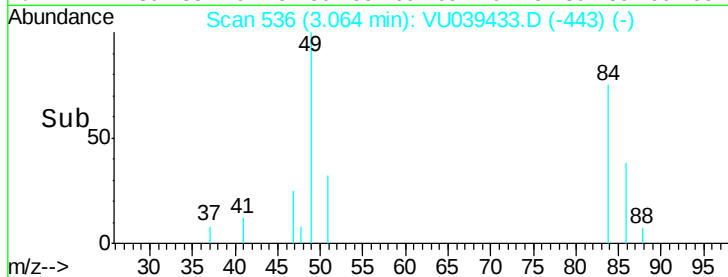
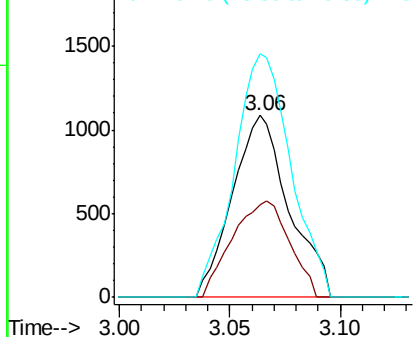
#16
Methvlene chloride
Concen: 0.263 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 1932
Ion Ratio Lower Upper
84 100
86 50.8 43.5 80.9
49 134.0 91.1 169.1

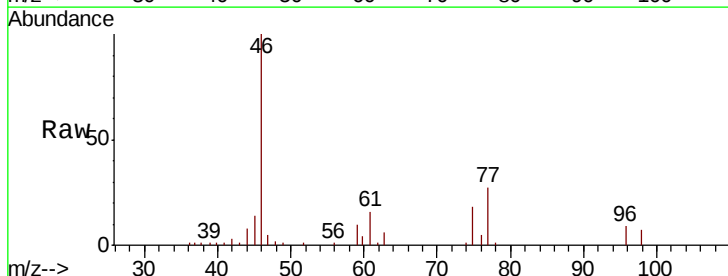


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

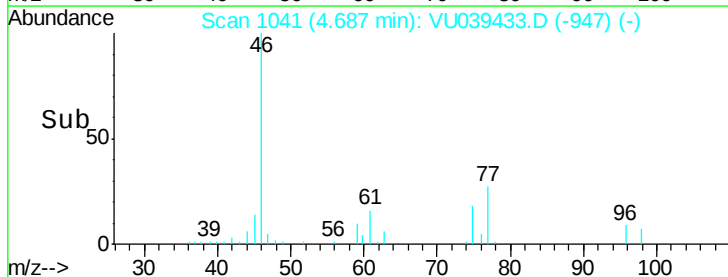
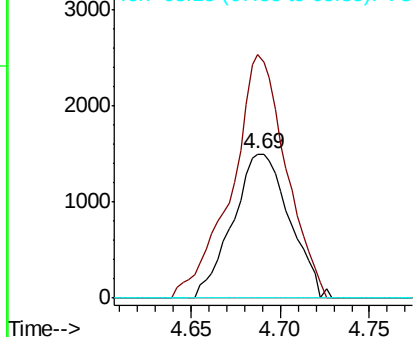


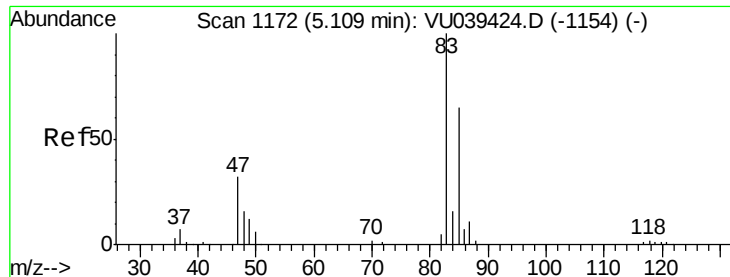
#22
cis-1,2-Dichloroethene
Concen: 0.458 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Tgt Ion: 96 Resp: 3321
Ion Ratio Lower Upper
96 100
61 169.3 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

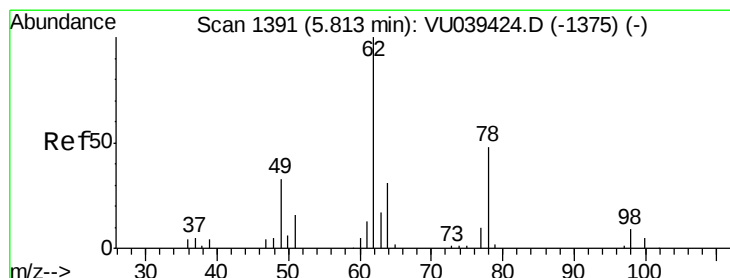
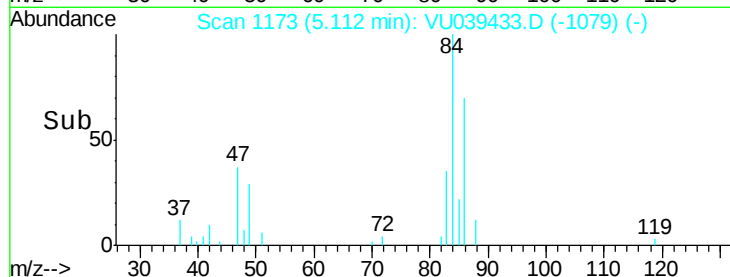
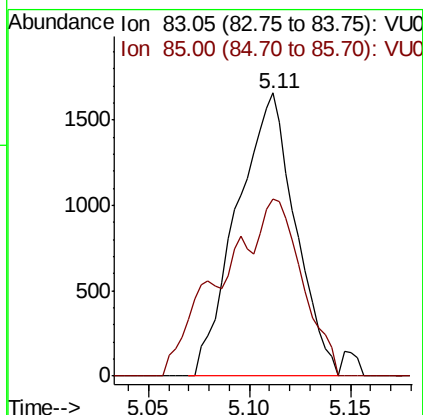
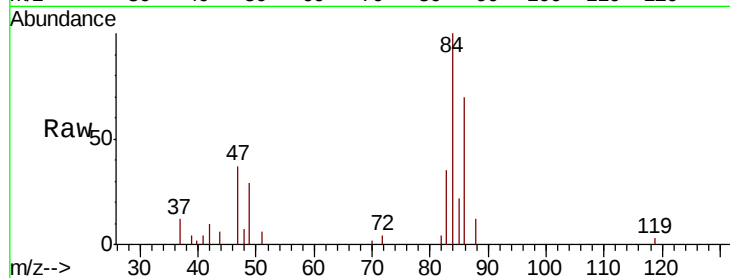




#25
Chloroform
Concen: 0.262 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

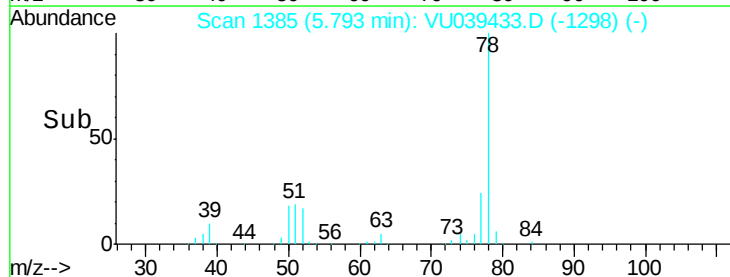
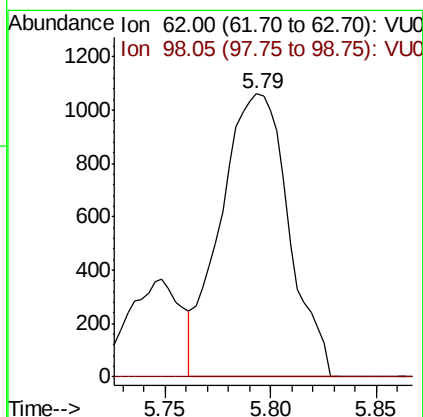
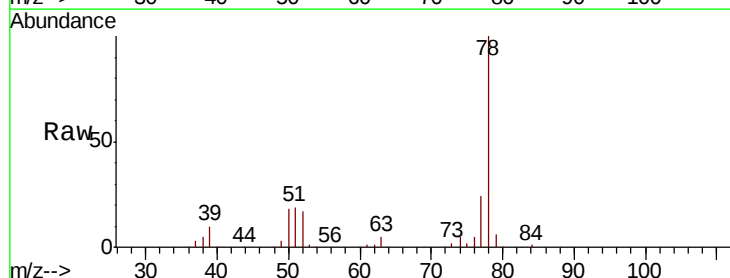
Instrument :
MSVOA_U
ClientSampleId :

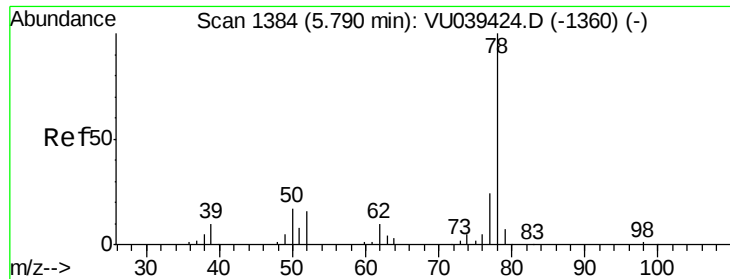
Tot Ion: 83 Resp: 3345
Ion Ratio Lower Upper
83 100
85 62.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.257 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Tgt Ion: 62 Resp: 2378
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#

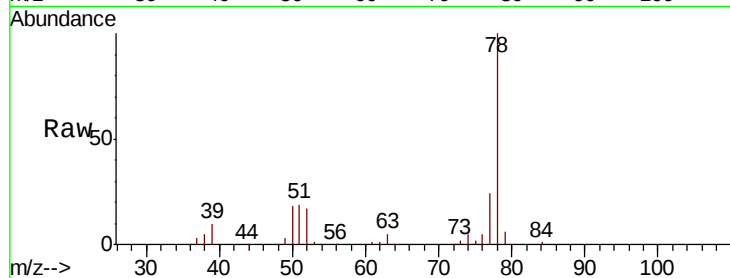




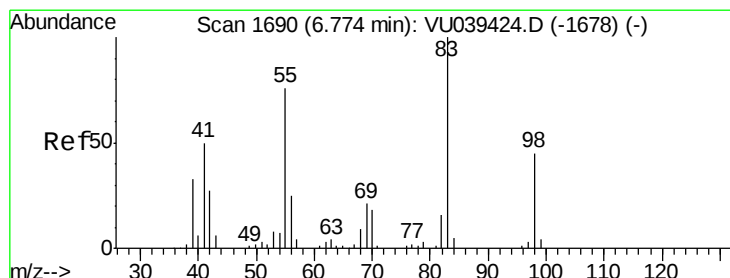
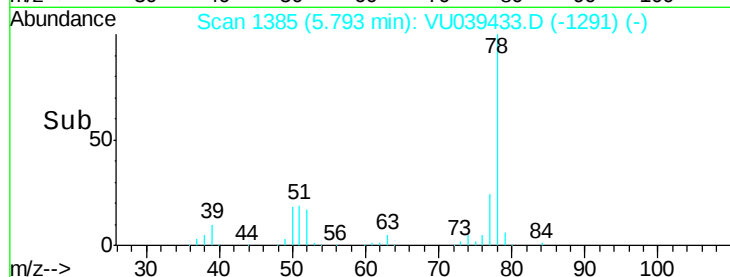
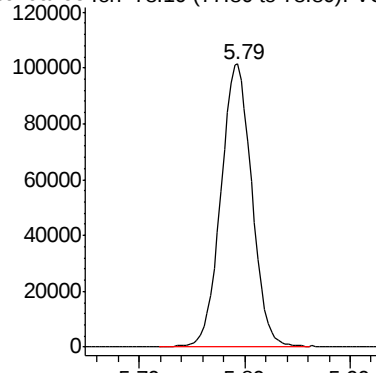
#33
Benzene
Concen: 7.610 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 207843

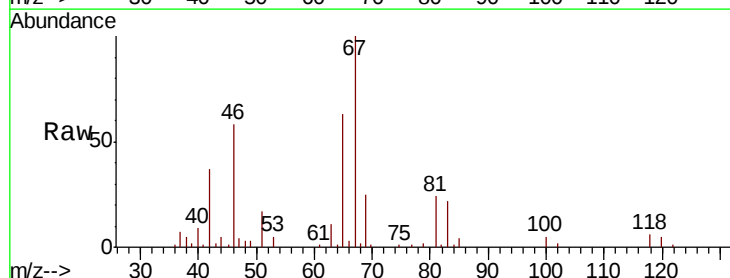


Abundance Ion 78.10 (77.80 to 78.80): VU0



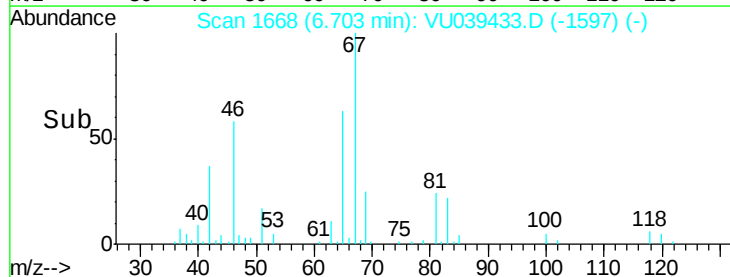
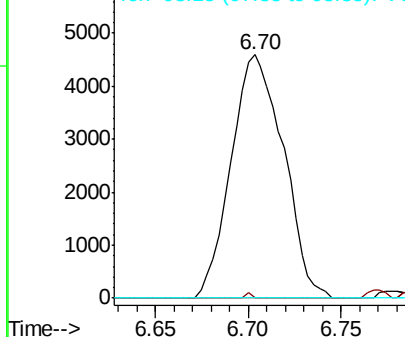
#35
Methylcyclohexane
Concen: 0.795 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

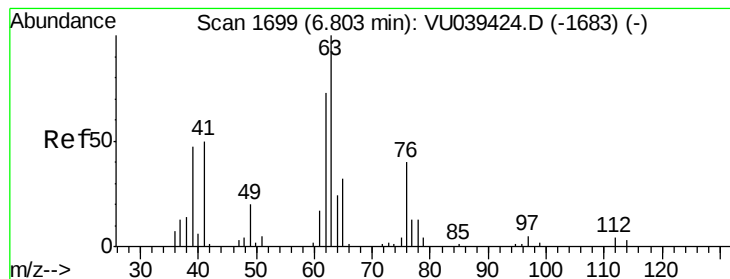
Tgt Ion: 83 Resp: 8990
Ion Ratio Lower Upper
83 100
55 0.2 62.1 93.1#
98 0.0 35.9 53.9#



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: 0.626 ug/L

RT: 6.71 min Scan# 1670

Delta R.T. -0.09 min

Lab File: VU039433.D

Acq: 10 Jul 2020 16:29

Instrument :

MSVOA_U

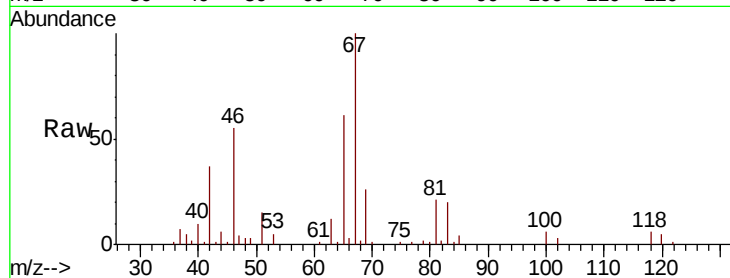
ClientSampleId :

Tot Ion: 63 Resp: 4662

Ion Ratio Lower Upper

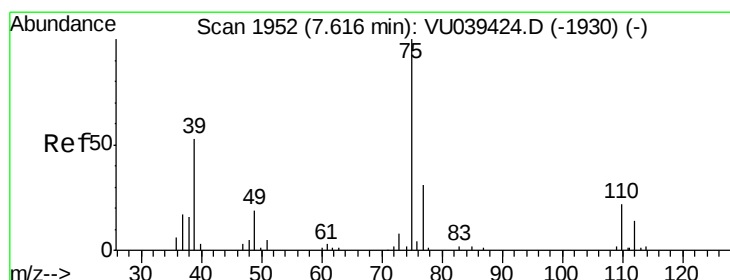
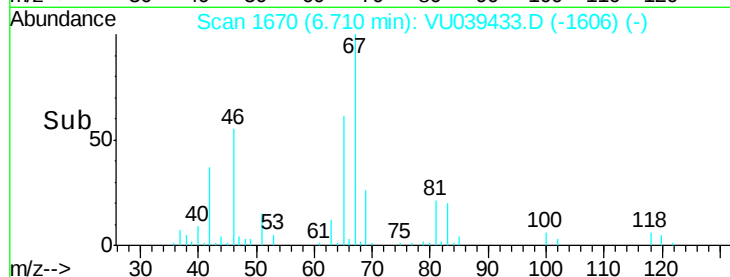
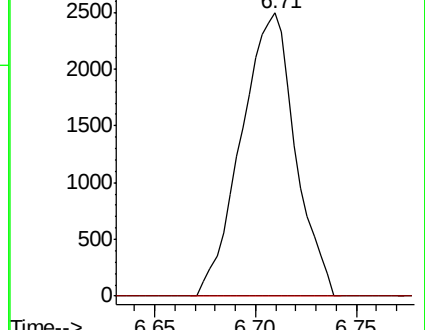
63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039424.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039424.D (-1683) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU039433.D

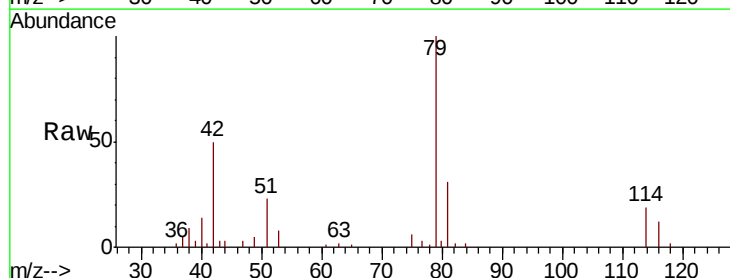
Acq: 10 Jul 2020 16:29

Tgt Ion: 75 Resp: 1221

Ion Ratio Lower Upper

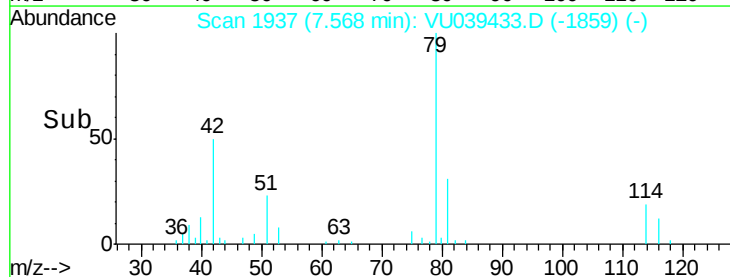
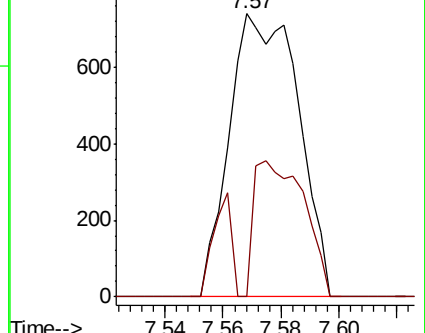
75 100

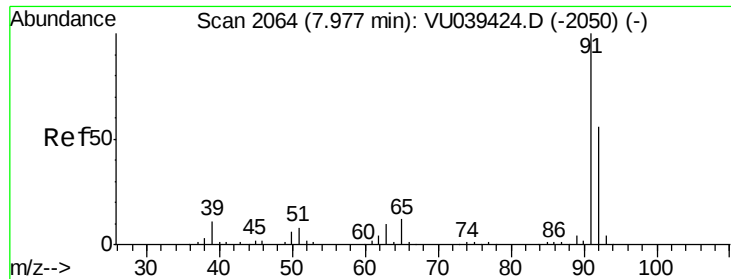
77 0.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039424.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039424.D (-1930) (-)





#42

Toluene

Concen: 10.511 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039433.D

Acq: 10 Jul 2020 16:29

Instrument :

MSVOA_U

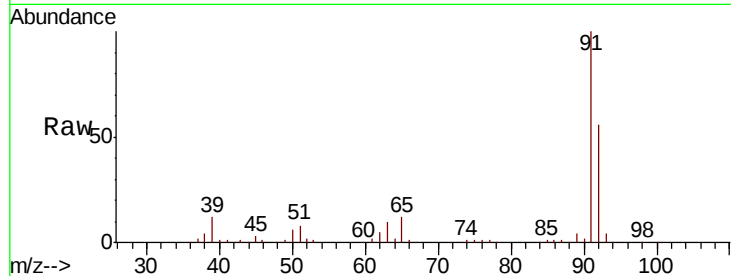
ClientSampleId :

Tot Ion: 91 Resp: 307404

Ion Ratio Lower Upper

91 100

92 56.1 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039424.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039424.D (-2050) (-)

7.98

200000

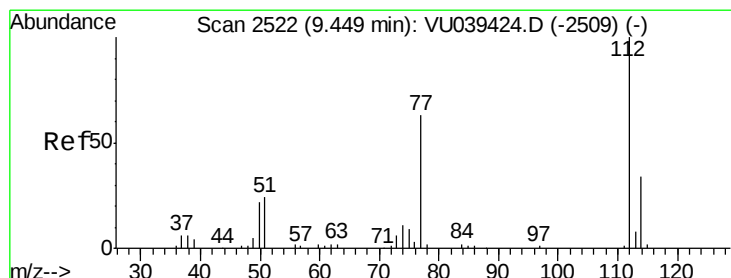
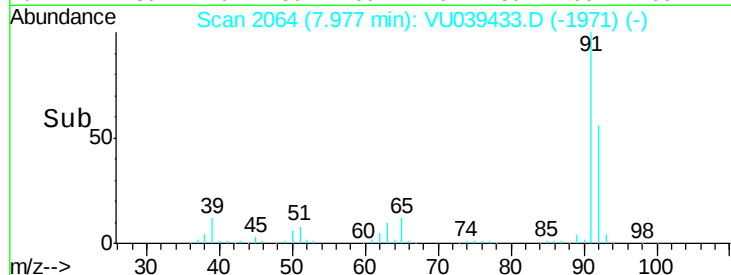
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 1.653 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039433.D

Acq: 10 Jul 2020 16:29

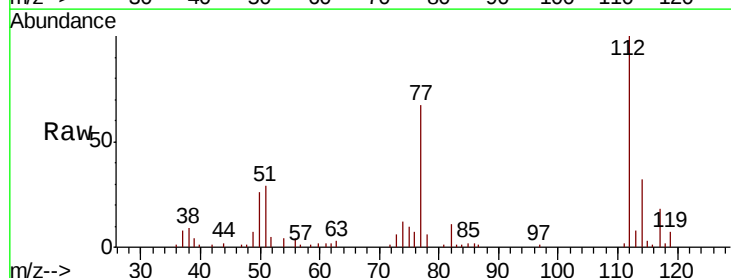
Tgt Ion: 112 Resp: 29549

Ion Ratio Lower Upper

112 100

114 32.3 22.1 41.1

77 66.8 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU039424.D (-2509) (-)

Ion 114.05 (113.75 to 114.75): VU039424.D (-2509) (-)

Ion 77.10 (76.80 to 77.80): VU039424.D (-2509) (-)

9.45

20000

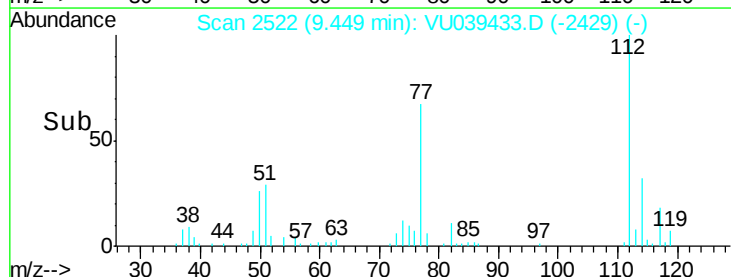
15000

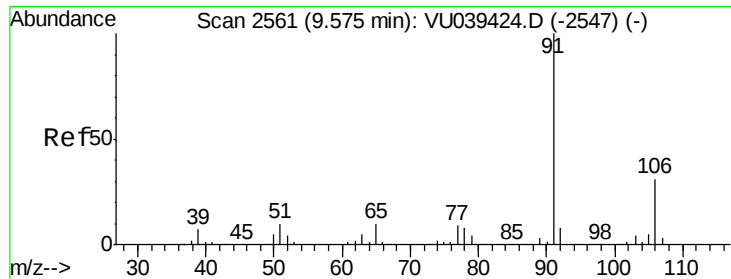
10000

5000

0

Time-->

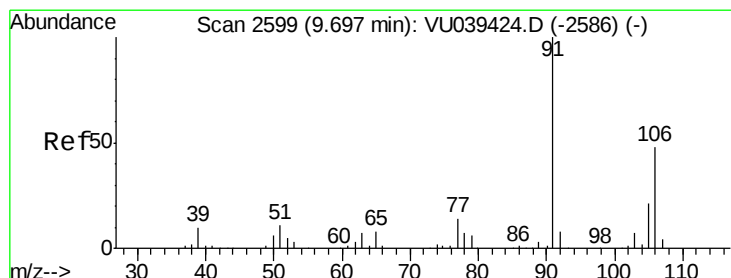
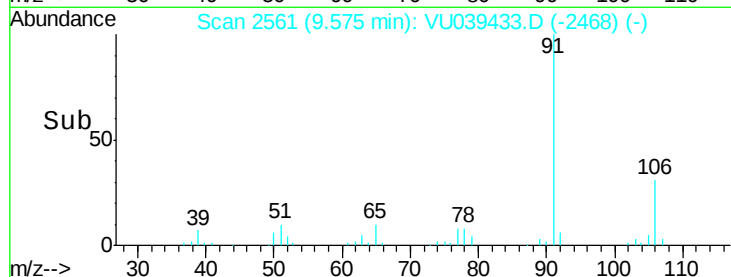
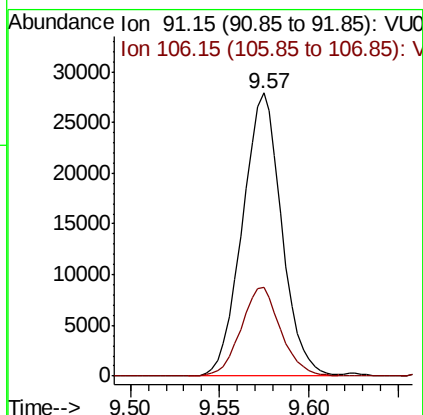
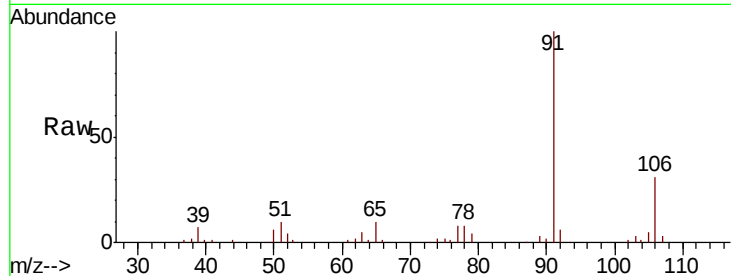




#52
Ethylbenzene
Concen: 1.334 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

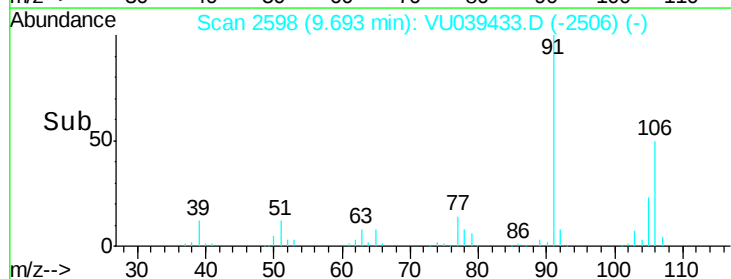
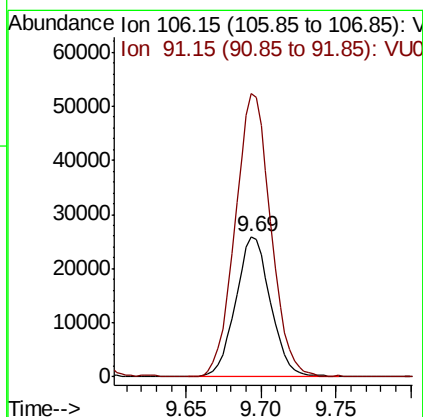
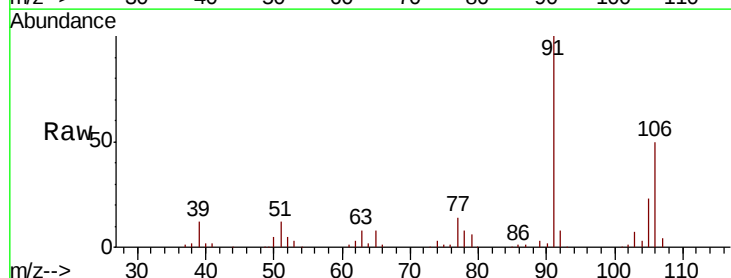
Instrument :
MSVOA_U
ClientSampleId :

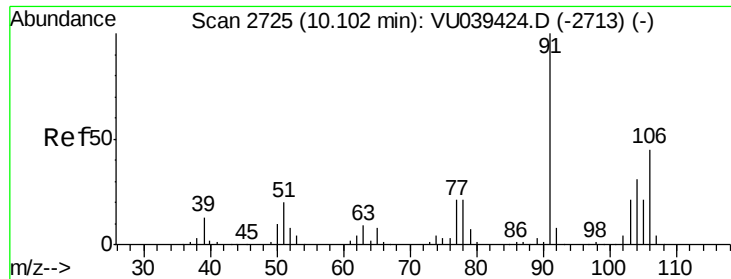
Tot Ion: 91 Resp: 43110
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 3.457 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Tgt Ion: 106 Resp: 42096
Ion Ratio Lower Upper
106 100
91 201.5 144.0 267.4

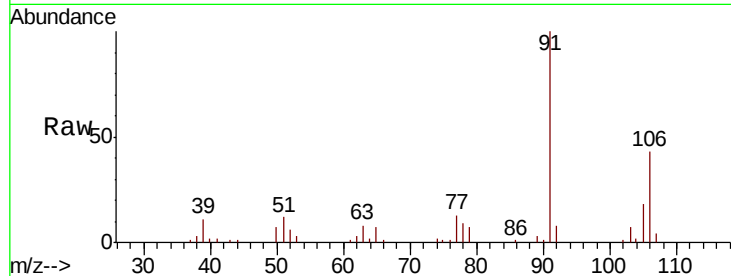




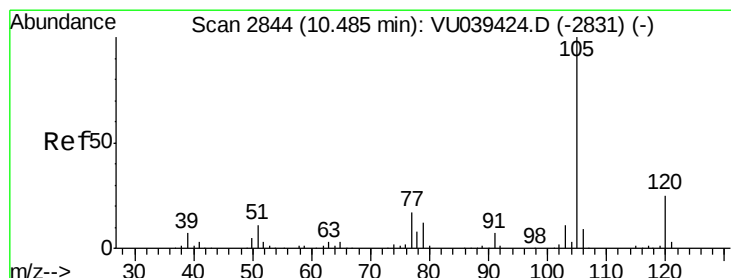
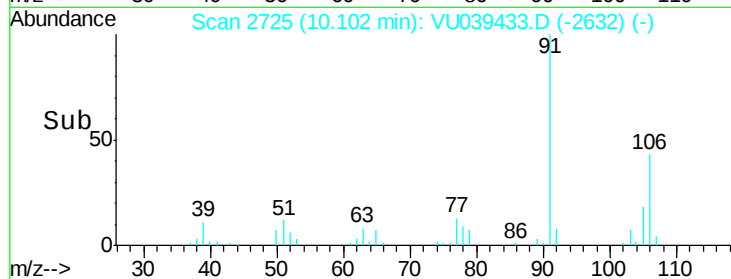
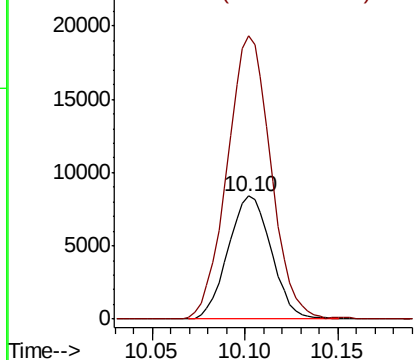
#54
o-Xylene
Concen: 1.141 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 13530
Ion Ratio Lower Upper
106 100
91 230.1 154.6 287.2

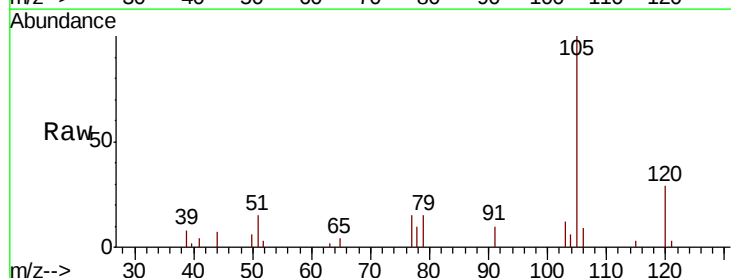


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

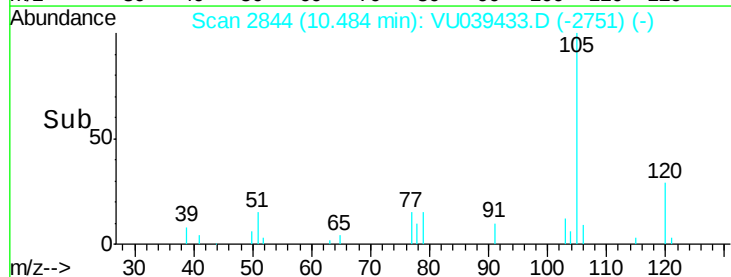
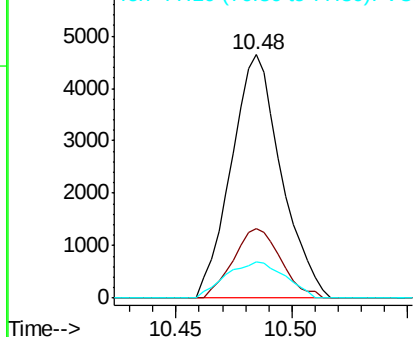


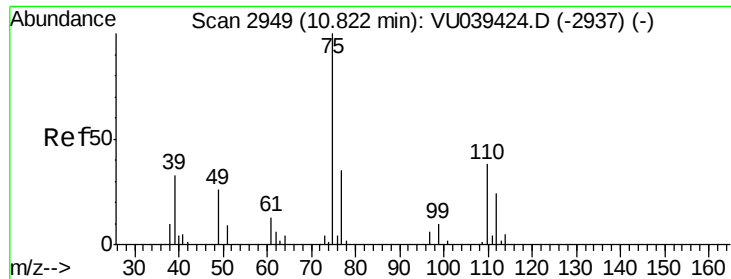
#56
Isopropylbenzene
Concen: 0.216 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU039433.D
Acq: 10 Jul 2020 16:29

Tgt Ion:105 Resp: 6940
Ion Ratio Lower Upper
105 100
120 27.3 20.7 31.1
77 17.5 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): VU0

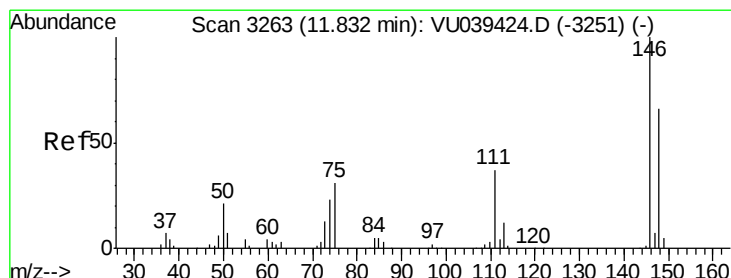
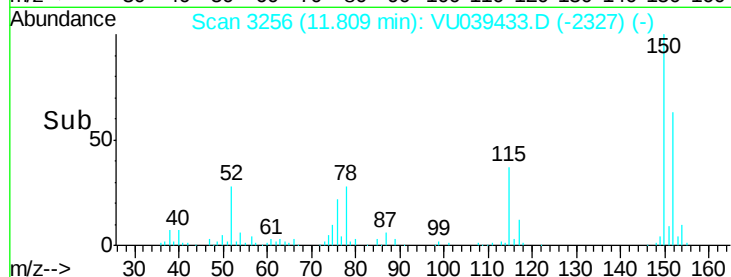
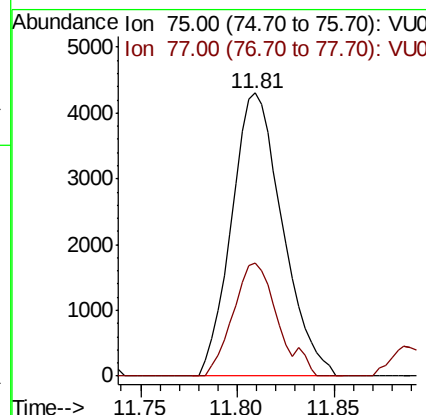
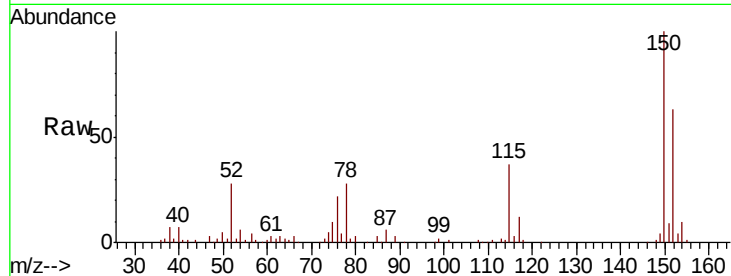




#59
 1,2,3-Trichloropropane
 Concen: 1.432 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039433.D
 Acq: 10 Jul 2020 16:29

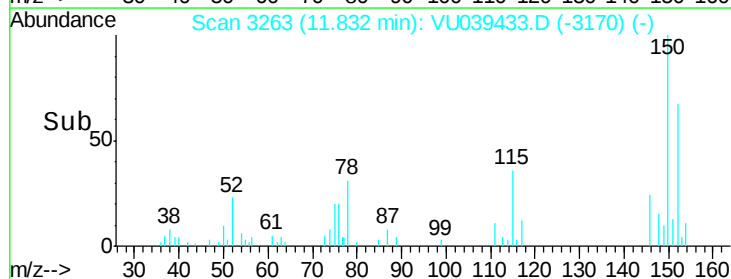
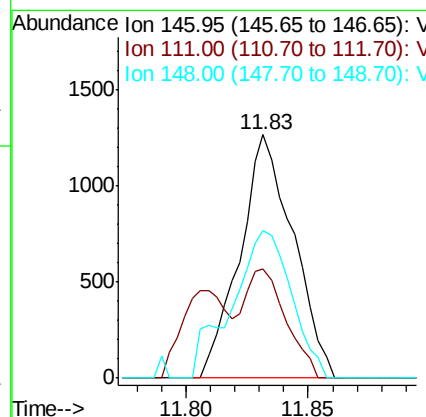
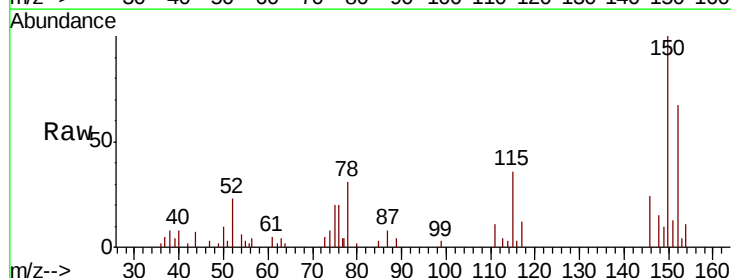
Instrument :
 MSVOA_U
 ClientSampleId :

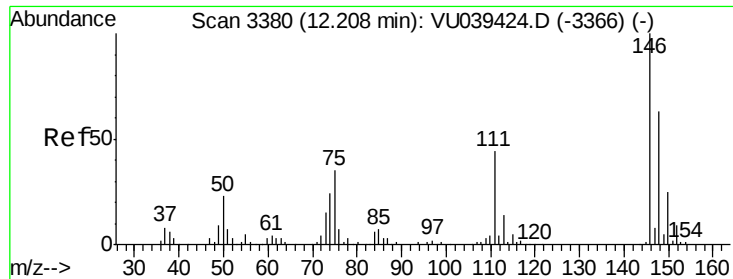
Tot Ion: 75 Resp: 7858
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.8 40.2



#63
 1,4-Dichlorobenzene
 Concen: 0.141 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039433.D
 Acq: 10 Jul 2020 16:29

Tgt Ion: 146 Resp: 1917
 Ion Ratio Lower Upper
 146 100
 111 45.1 28.6 53.0
 148 60.7 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 0.154 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039433.D

Acq: 10 Jul 2020 16:29

Instrument :

MSVOA_U

ClientSampled :

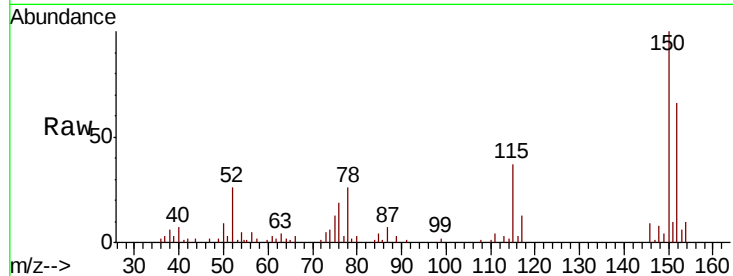
Tot Ion:146 Resp: 2086

Ion Ratio Lower Upper

146 100

111 46.8 35.0 52.4

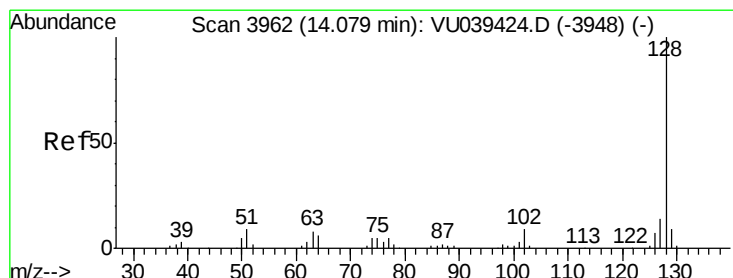
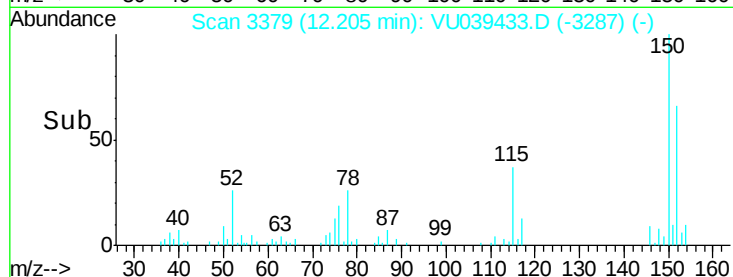
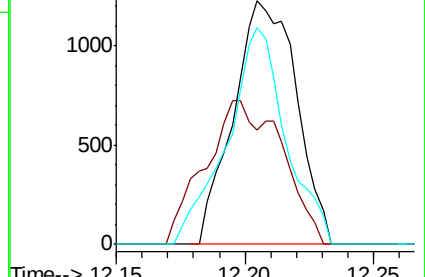
148 88.9 50.6 75.8#



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



#69

Naphthalene

Concen: 0.237 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.00 min

Lab File: VU039433.D

Acq: 10 Jul 2020 16:29

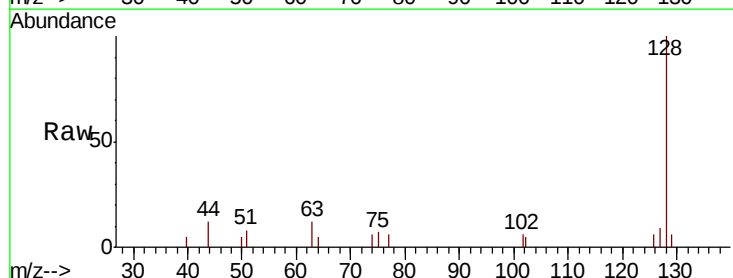
Tgt Ion:128 Resp: 4137

Ion Ratio Lower Upper

128 100

129 4.5 8.6 13.0#

127 10.8 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

