

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\
 Data File : VU037512.D
 Acq On : 31 Mar 2020 22:01
 Operator : JC/MD
 Sample : L2065-06MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 01 01:28:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 01:25:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	91273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	84126	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	40069	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21907	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.93	69	20279	3.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	2.59	63	45438	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.70	46	91863	44.73	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.46%
24) Chloroform-d	5.10	84	49120	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
26) 1,2-Dichloroethane-d4	5.74	65	28627	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	5.76	84	93921	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.20%
36) 1,2-Dichloropropane-d6	6.72	67	33615	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.40%
41) Toluene-d8	7.92	98	80593	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	8.20	79	13338	3.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.00%
46) 2-Hexanone-d5	8.66	63	81130	48.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	29899	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	30391	3.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.40%#

Target Compounds

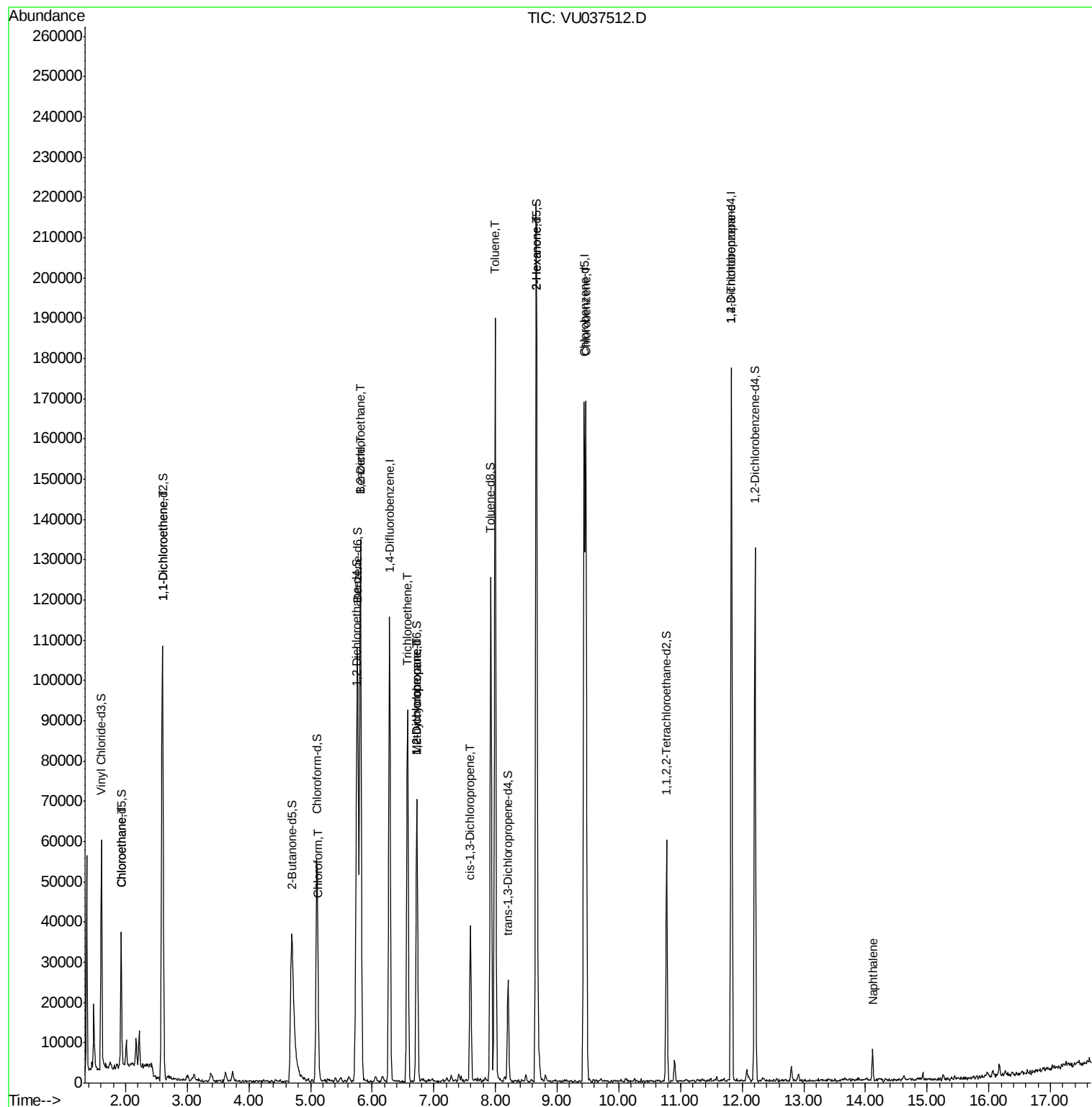
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	575	0.134	ug/L #	44
12) 1,1-Dichloroethene	2.60	96	26152	4.275	ug/L	92
25) Chloroform	5.13	83	3499	0.286	ug/L	98
27) 1,2-Dichloroethane	5.81	62	1089	0.132	ug/L #	78
33) Benzene	5.81	78	123926	4.730	ug/L	100
34) Trichloroethene	6.57	95	31056	4.451	ug/L	98
35) Methylcyclohexane	6.72	83	7156	0.626	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	3538	0.509	ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1025	0.095	ug/L #	56
42) Toluene	7.99	91	131000	4.742	ug/L	98
48) 2-Hexanone	8.66	43	11161	2.988	ug/L #	66
51) Chlorobenzene	9.47	112	80882	4.698	ug/L	100
59) 1,2,3-Trichloropropane	11.83	75	5741	1.202	ug/L #	88
69) Naphthalene	14.11	128	5496	0.269	ug/L	97

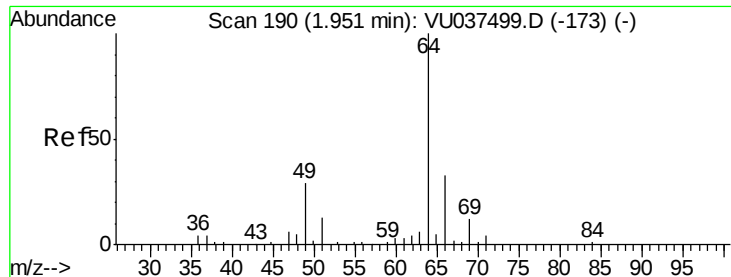
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.134 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU037512.D

Acq: 31 Mar 2020 22:01

Instrument :

MSVOA_U

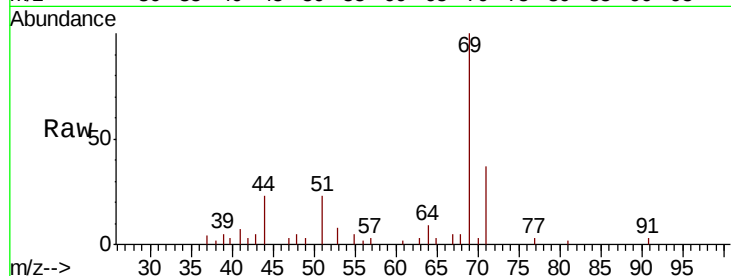
ClientSampleId :

Tot Ion: 64 Resp: 575

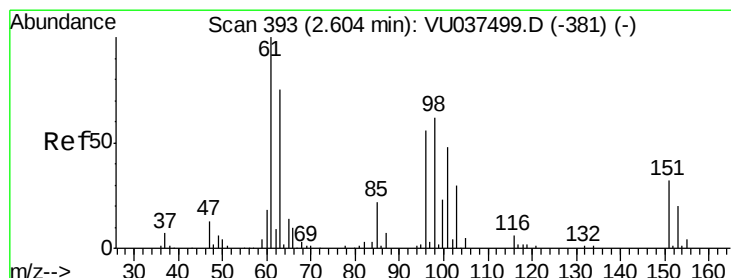
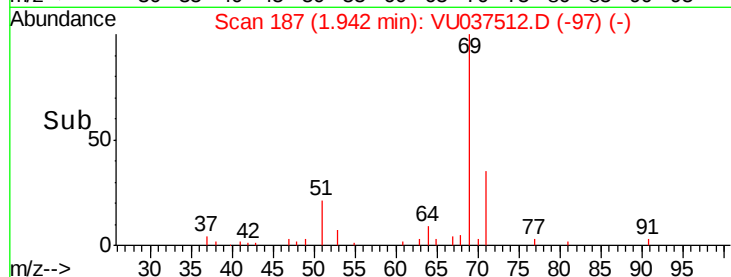
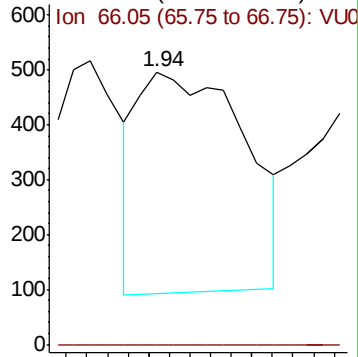
Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VU037512.D (-97) (-)



#12

1,1-Dichloroethene

Concen: 4.275 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037512.D

Acq: 31 Mar 2020 22:01

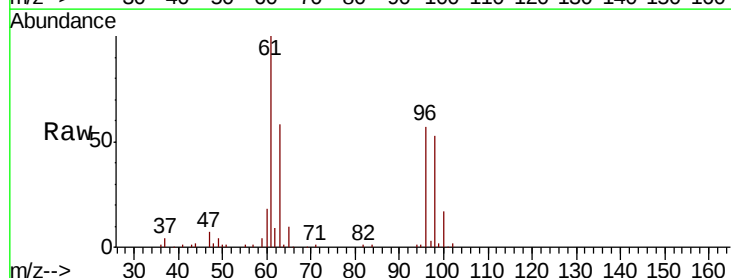
Tgt Ion: 96 Resp: 26152

Ion Ratio Lower Upper

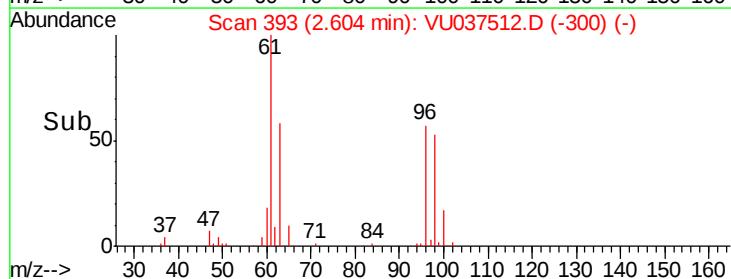
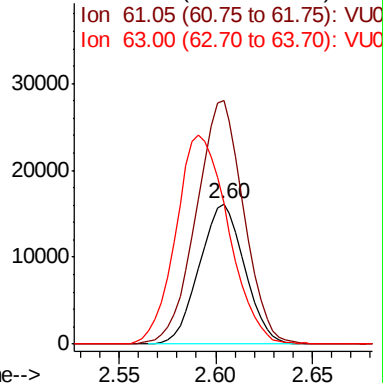
96 100

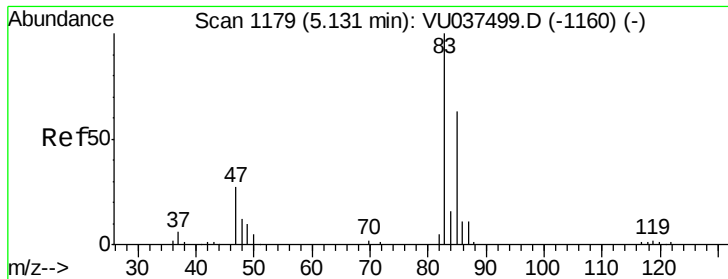
61 173.9 116.2 215.8

63 101.1 79.2 147.0



Abundance Ion 96.00 (95.70 to 96.70): VU037512.D (-300) (-)

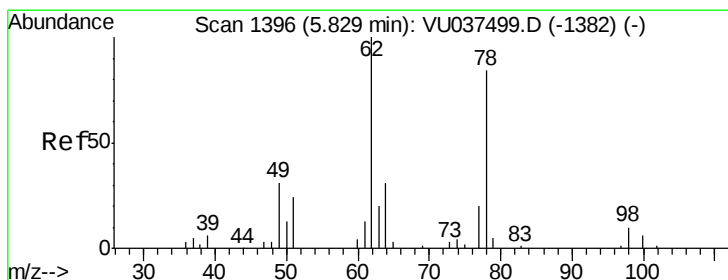
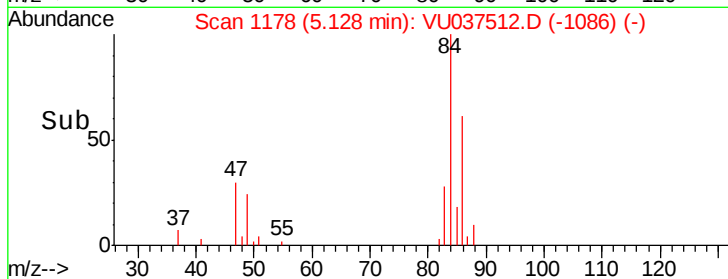
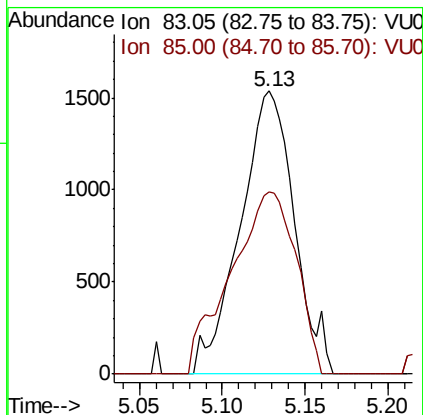
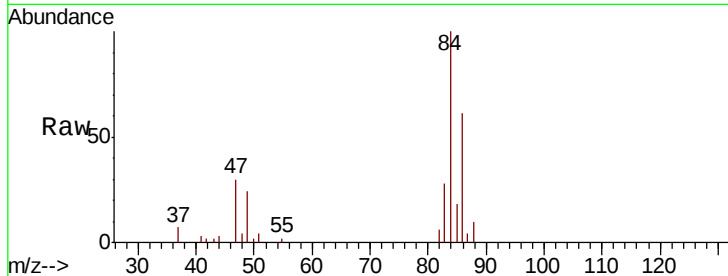




#25
Chloroform
Concen: 0.286 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

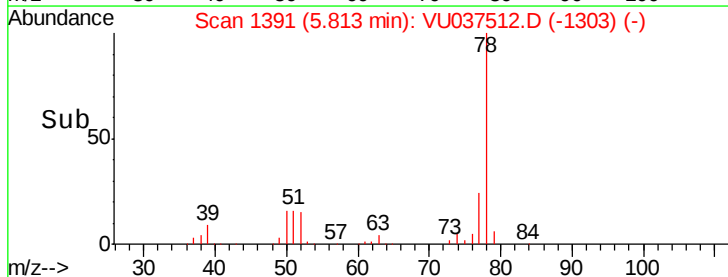
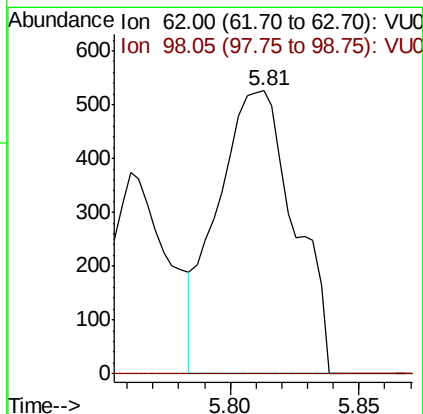
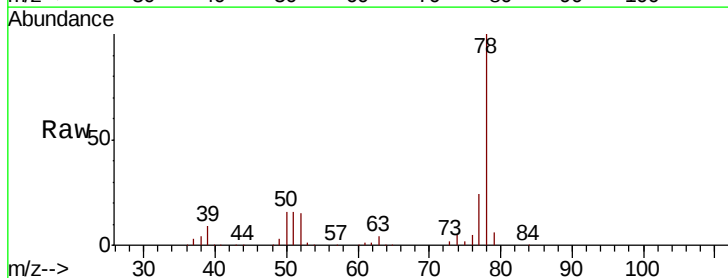
Instrument :
MSVOA_U
ClientSampleId :

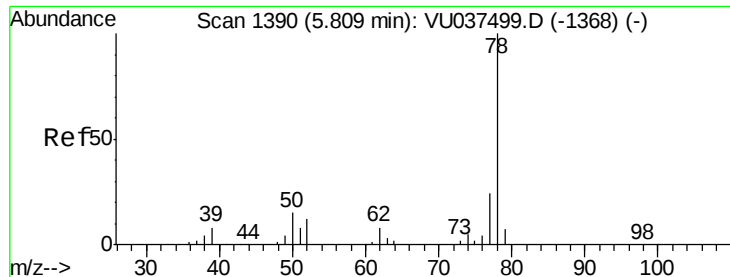
Tot Ion: 83 Resp: 3499
Ion Ratio Lower Upper
83 100
85 64.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.132 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.02 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

Tgt Ion: 62 Resp: 1089
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





#33

Benzene

Concen: 4.730 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037512.D

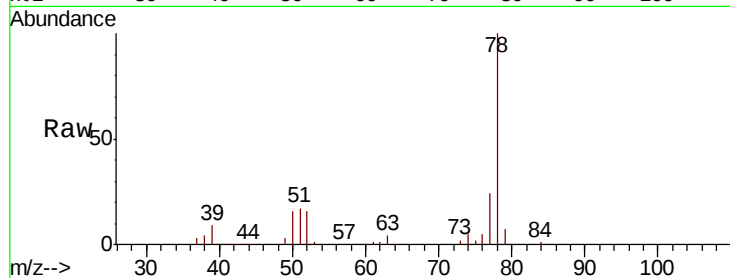
Acq: 31 Mar 2020 22:01

Instrument :

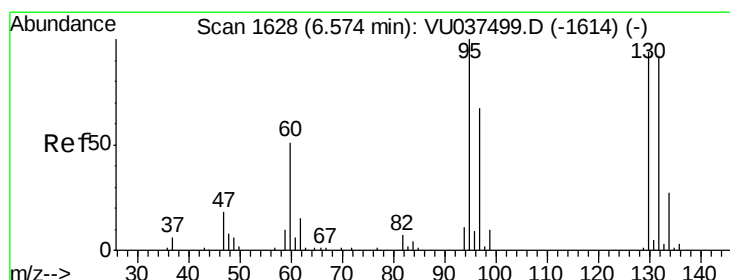
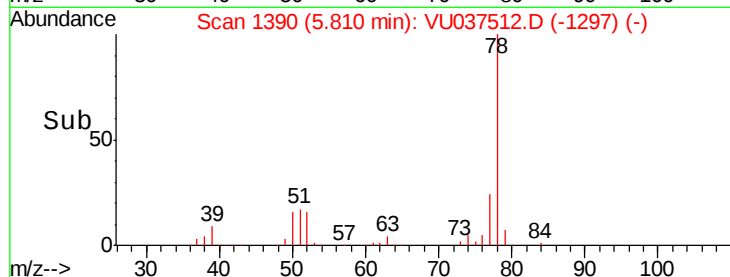
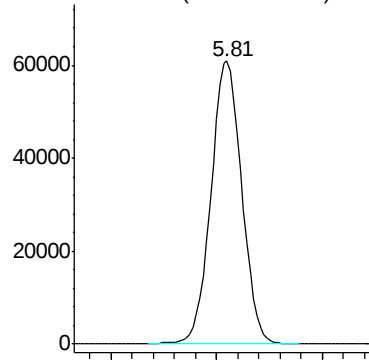
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 123926



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.451 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037512.D

Acq: 31 Mar 2020 22:01

Tgt Ion: 95 Resp: 31056

Ion	Ratio	Lower	Upper
95	100		
97	65.1	41.8	77.6
132	86.2	59.8	111.0
130	92.5	65.0	120.8

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

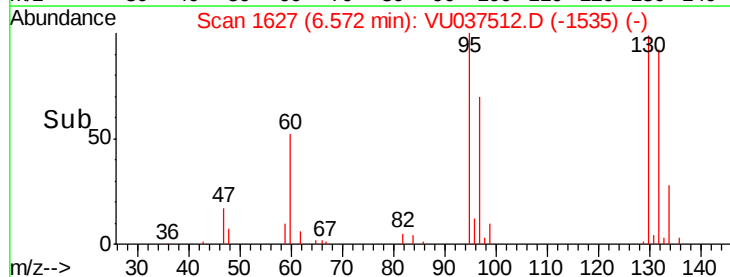
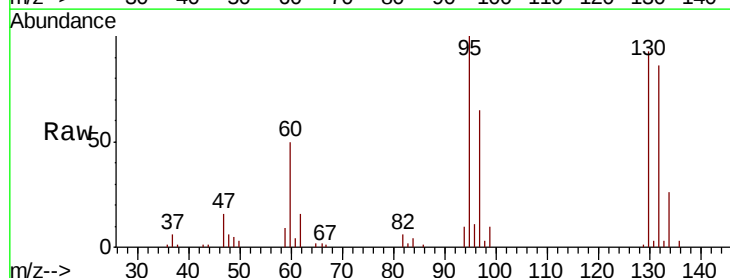
Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

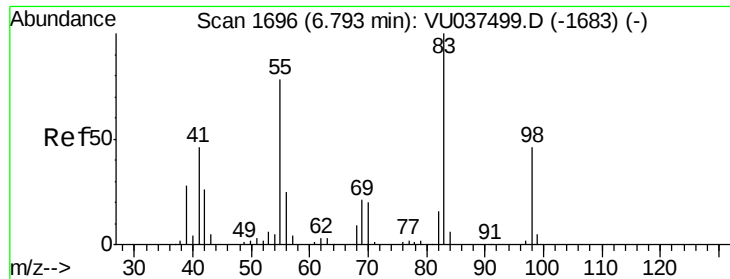
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

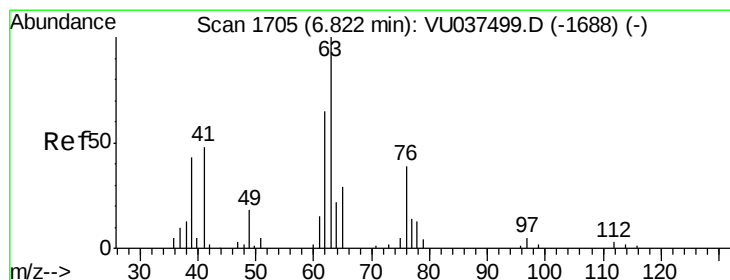
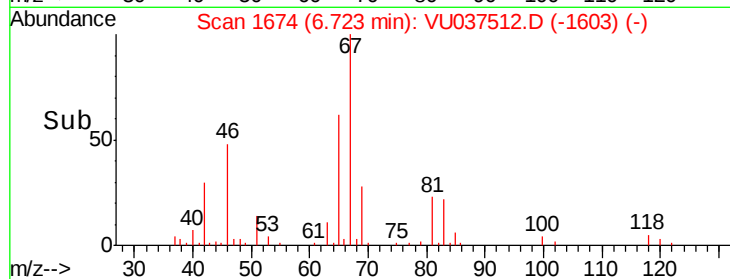
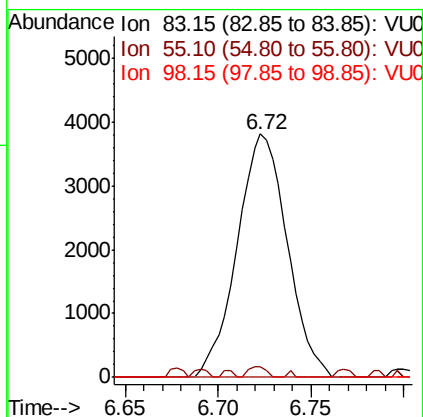
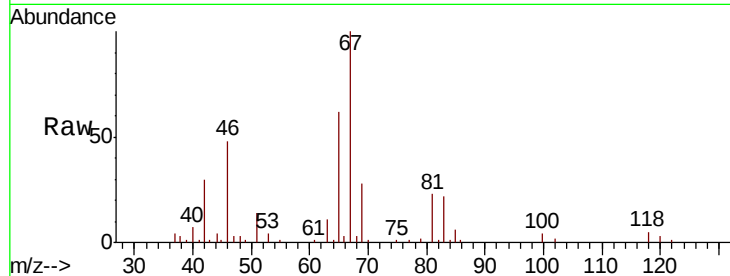
Ion 96.95 (96.65 to 97.65): VU0



#35
Methvlcvclohexane
Concen: 0.626 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

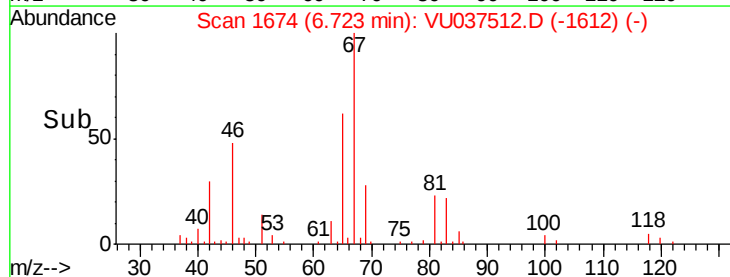
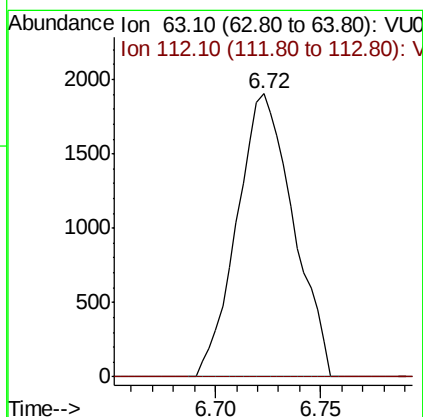
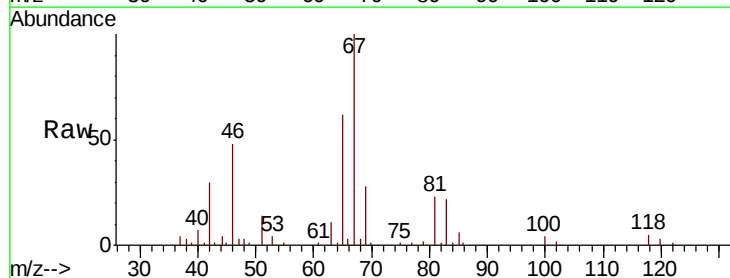
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MSVOA_U
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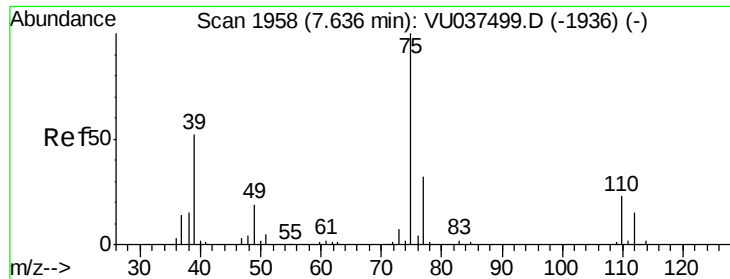
Tot Ion: 83 Resp: 7156
Ion Ratio Lower Upper
83 100
55 1.5 64.4 96.6#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.509 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

Tgt Ion: 63 Resp: 3538
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#

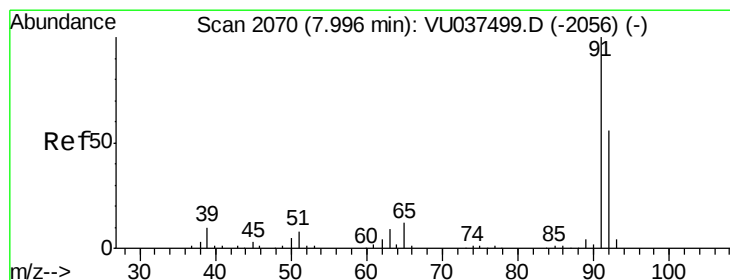
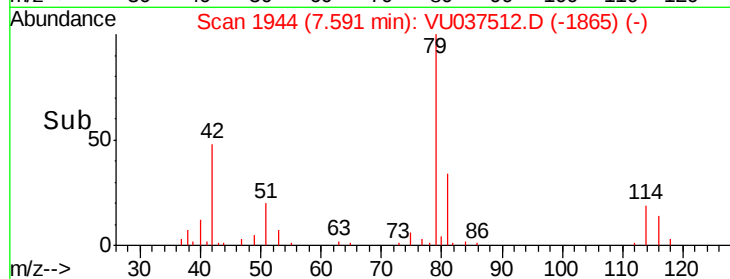
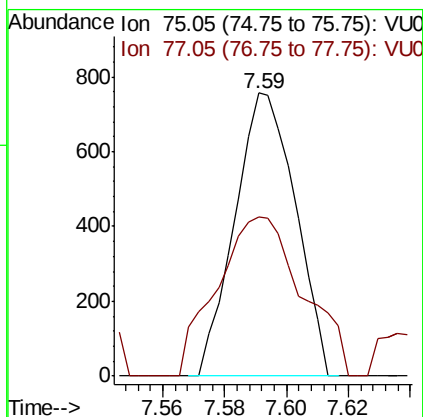
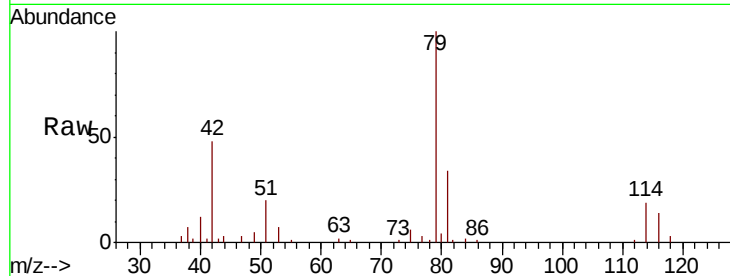




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037512.D
 Acq: 31 Mar 2020 22:01

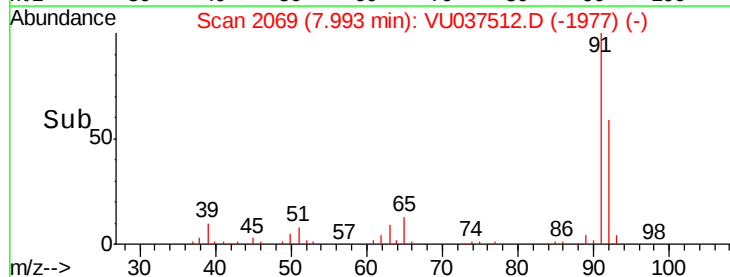
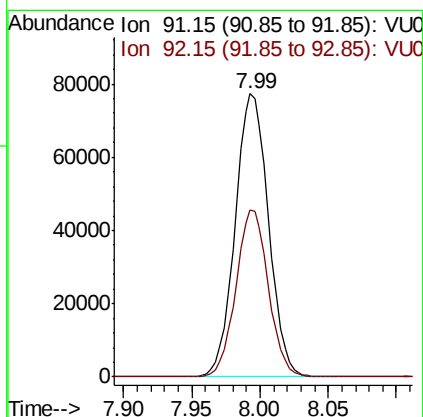
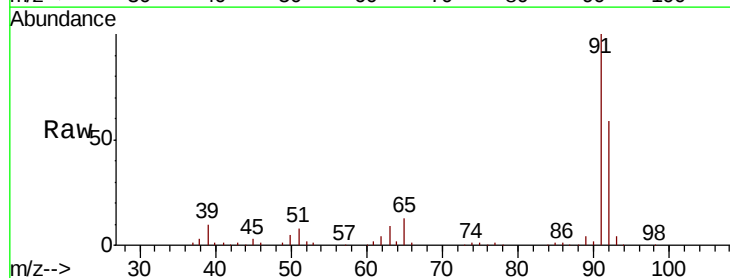
Instrument :
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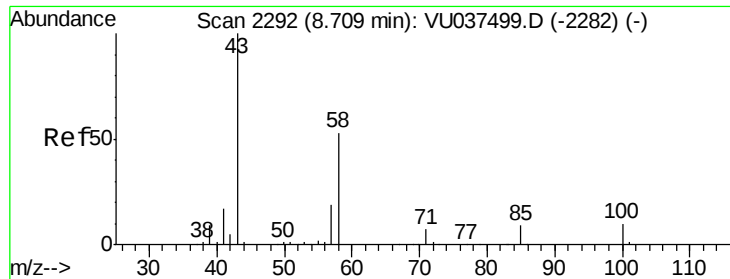
Tot Ion: 75 Resp: 1025
 Ion Ratio Lower Upper
 75 100
 77 56.4 22.4 41.6#



#42
 Toluene
 Concen: 4.742 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU037512.D
 Acq: 31 Mar 2020 22:01

Tgt Ion: 91 Resp: 131000
 Ion Ratio Lower Upper
 91 100
 92 59.0 40.2 74.6

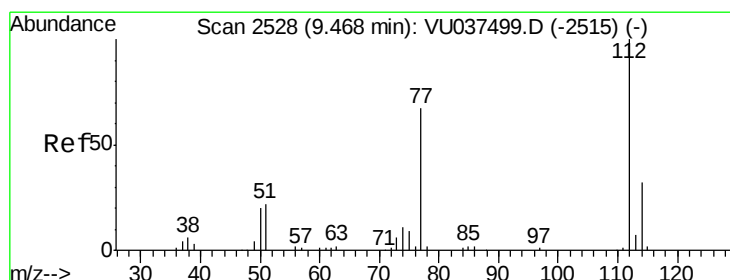
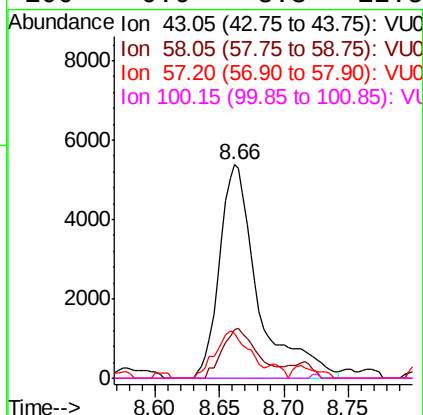
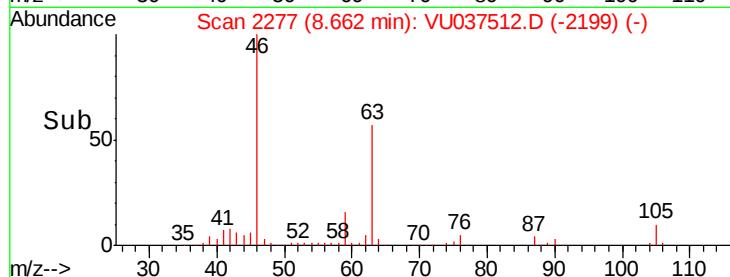
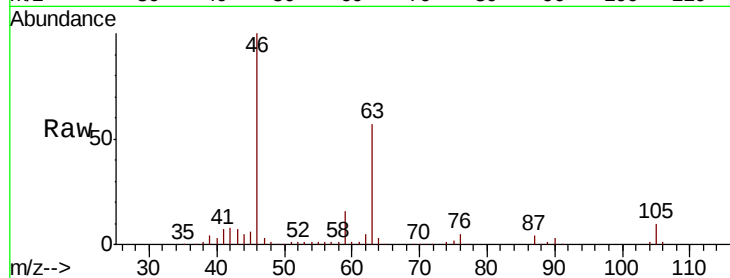




#48
2-Hexanone
Concen: 2.988 ug/L
RT: 8.66 min Scan# 2277
Delta R.T. -0.05 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

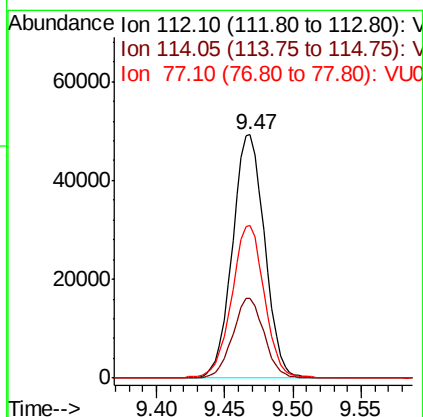
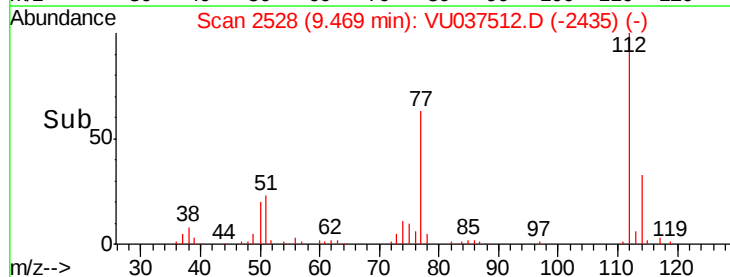
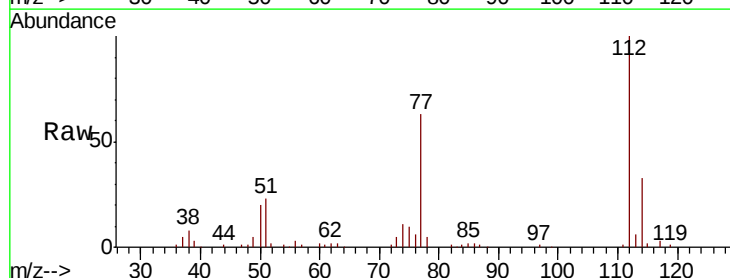
Instrument :
MSVOA_U
ClientSampleId :

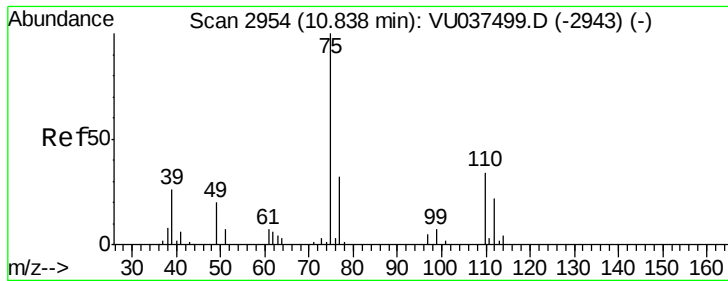
Tot Ion: 43 Resp: 11161
Ion Ratio Lower Upper
43 100
58 20.8 43.4 65.0#
57 19.2 14.9 22.3
100 0.0 8.3 12.5#



#51
Chlorobenzene
Concen: 4.698 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037512.D
Acq: 31 Mar 2020 22:01

Tgt Ion: 112 Resp: 80882
Ion Ratio Lower Upper
112 100
114 32.8 22.4 41.6
77 63.0 50.4 75.6

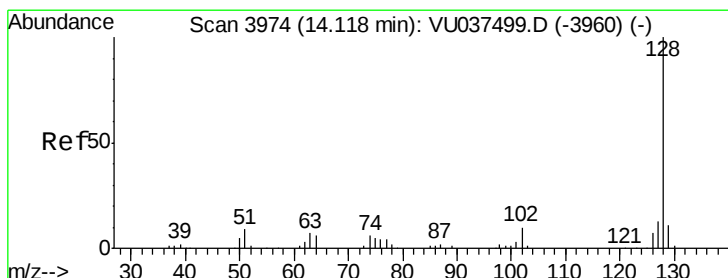
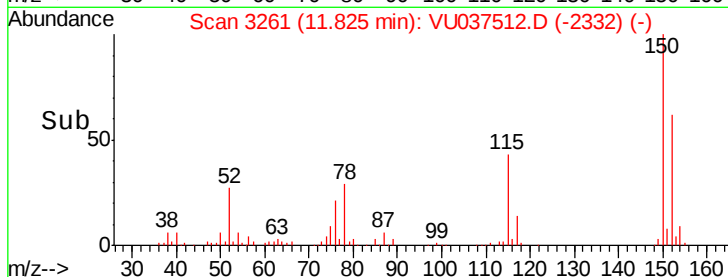
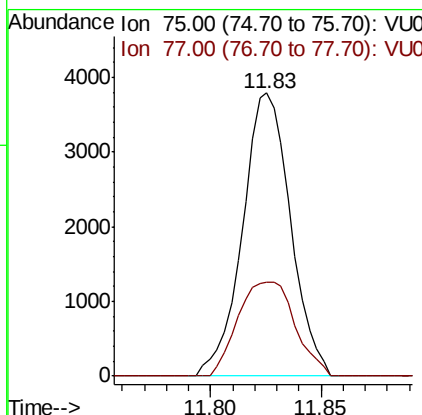
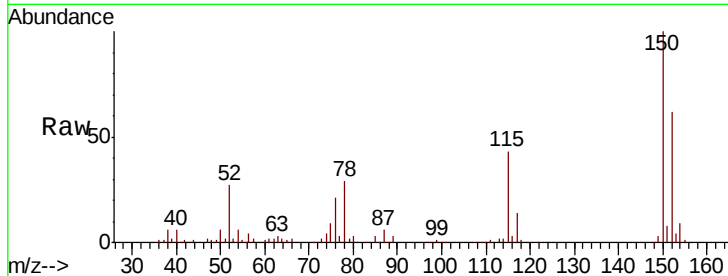




#59
 1,2,3-Trichloropropane
 Concen: 1.202 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU037512.D
 Acq: 31 Mar 2020 22:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 5741
 Ion Ratio Lower Upper
 75 100
 77 39.5 26.2 39.2#



#69
 Naphthalene
 Concen: 0.269 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VU037512.D
 Acq: 31 Mar 2020 22:01

Tgt Ion:128 Resp: 5496
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.9 13.3
 127 10.7 10.2 15.2

