

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\
 Data File : VU037166.D
 Acq On : 11 Mar 2020 15:01
 Operator : JC/MD
 Sample : L1883-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CON79

Quant Time: Mar 12 01:58:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 12 01:55:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	113388	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	114112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	45373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36713	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	28862	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.59	63	56316	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.68	46	95017	49.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	5.11	84	76073	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	44883	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.76	84	137743	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.72	67	45710	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.92	98	124060	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.21	79	17534	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.66	63	76274	50.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	35787	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	42492	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

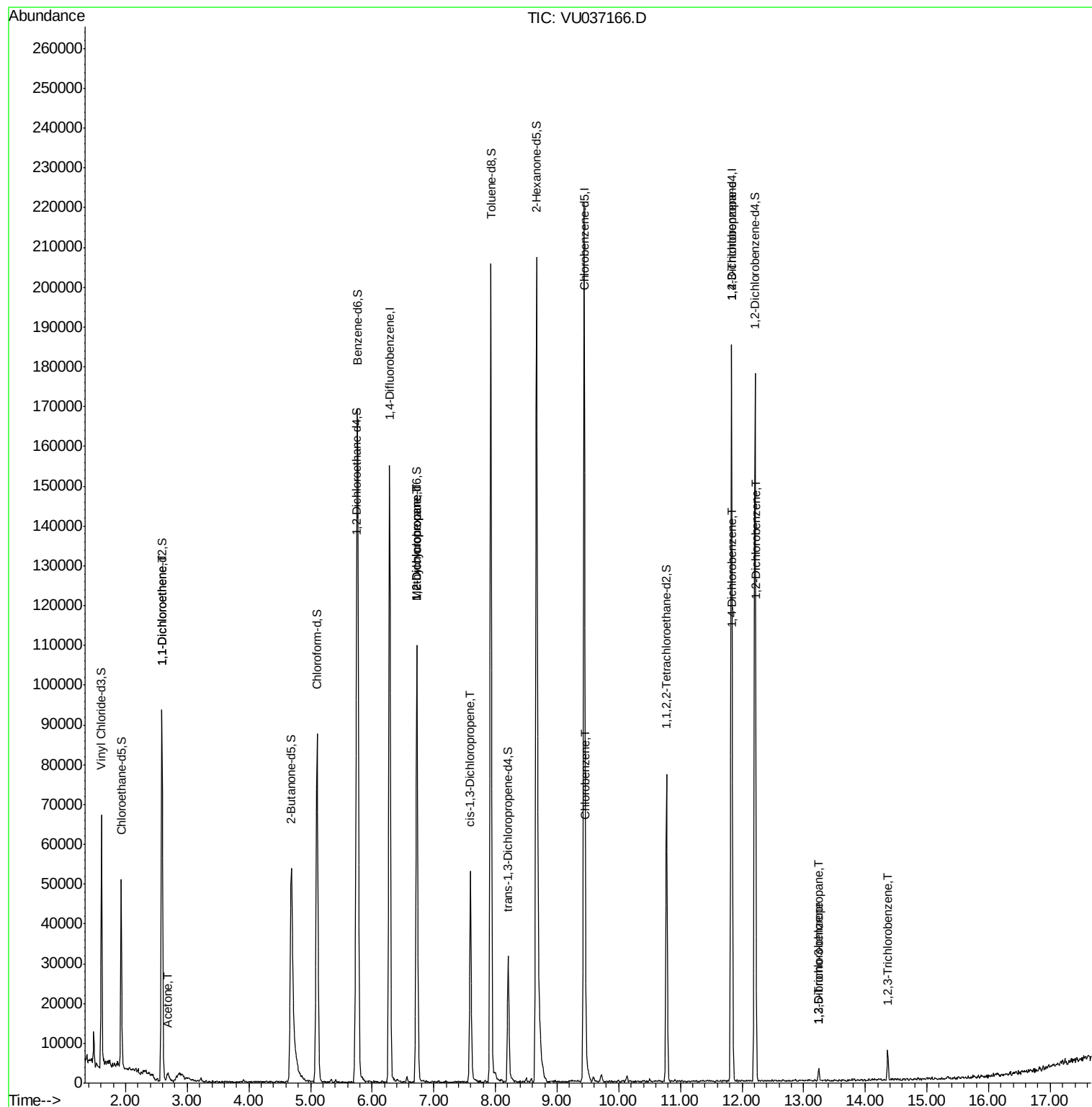
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	558	0.075	ug/L #	1
13) Acetone	2.69	43	1839	1.178	ug/L	63
35) Methylcyclohexane	6.72	83	11114	0.789	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	6041	0.680	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1472	0.115	ug/L #	62
51) Chlorobenzene	9.47	112	1695	0.073	ug/L #	93
59) 1,2,3-Trichloropropane	11.83	75	7009	1.103	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	1163	0.079	ug/L #	68
65) 1,2-Dichlorobenzene	12.23	146	2232	0.158	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	13.25	75	196	0.181	ug/L #	9
67) 1,3,5-Trichlorobenzene	13.25	180	1096	0.108	ug/L #	81
70) 1,2,3-Trichlorobenzene	14.37	180	2482	0.383	ug/L #	79

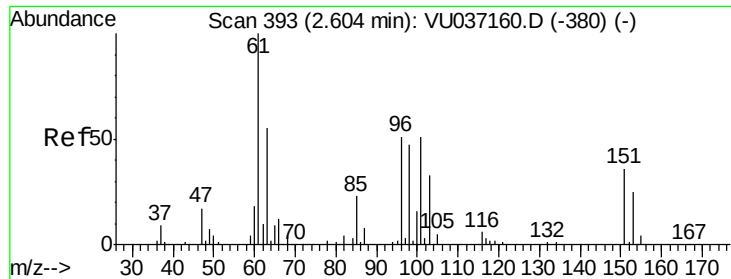
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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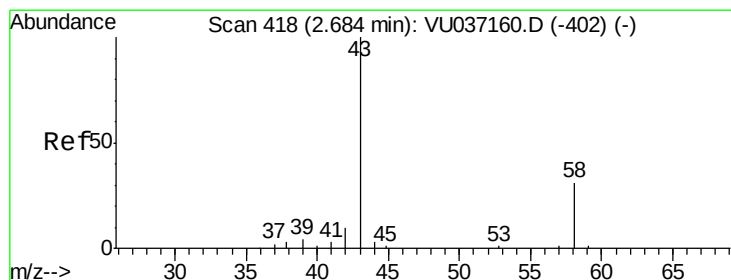
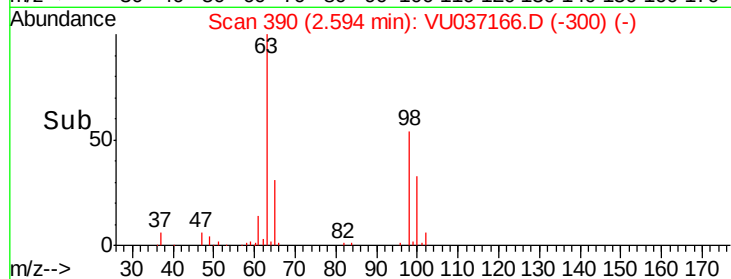
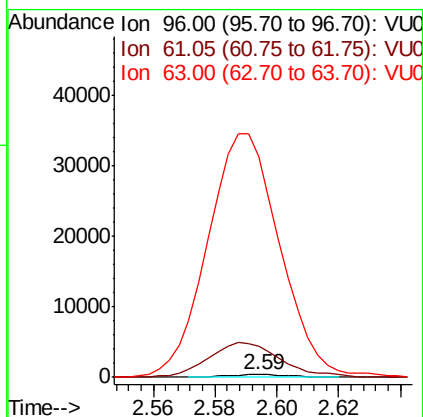
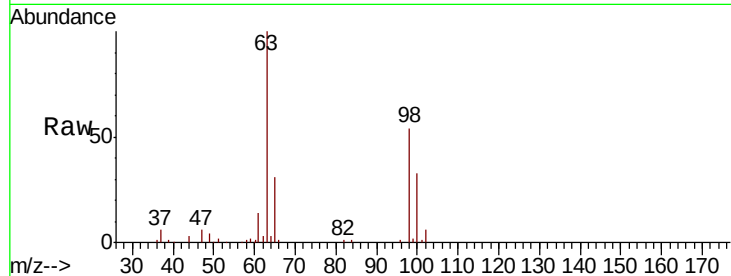




#12
 1,1-Dichloroethene
 Concen: 0.075 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

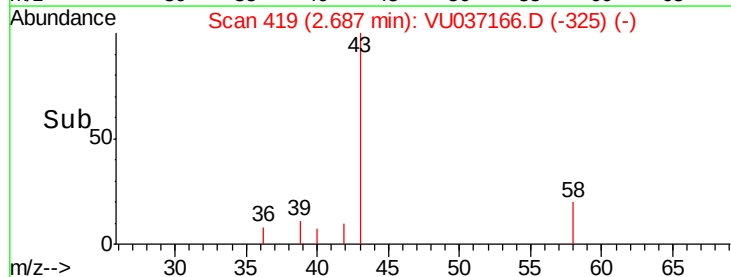
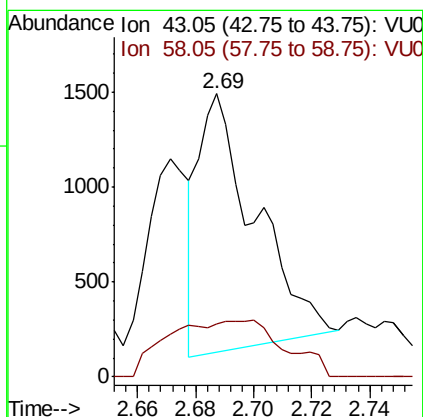
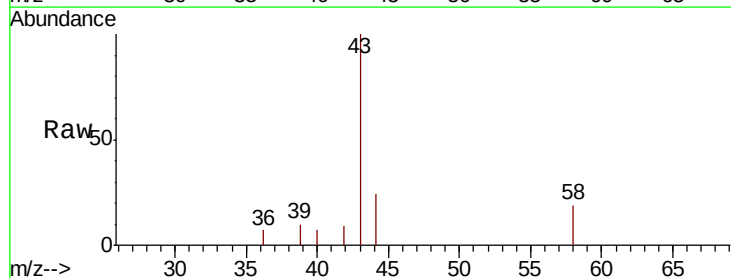
Instrument :
 MSVOA_U
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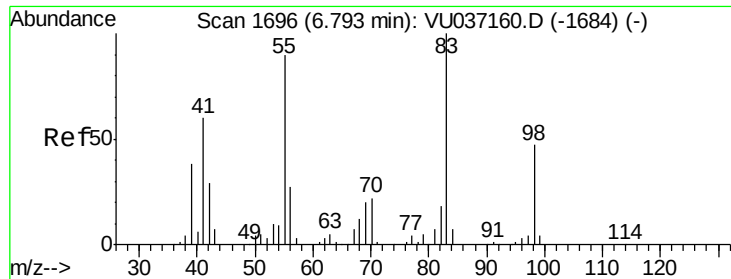
Tot Ion: 96 Resp: 558
 Ion Ratio Lower Upper
 96 100
 61 1176.3 136.4 253.2#
 63 8444.2 86.2 160.0#



#13
 Acetone
 Concen: 1.178 ug/L
 RT: 2.69 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

Tgt Ion: 43 Resp: 1839
 Ion Ratio Lower Upper
 43 100
 58 44.9 0.0 52.2

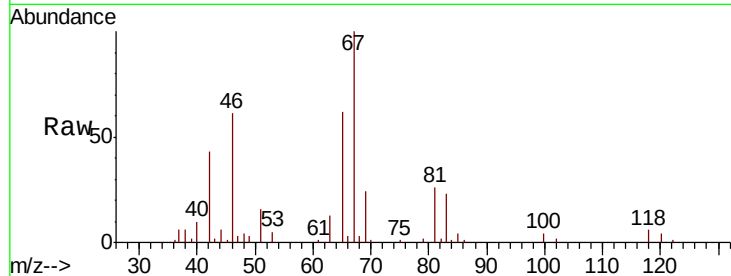




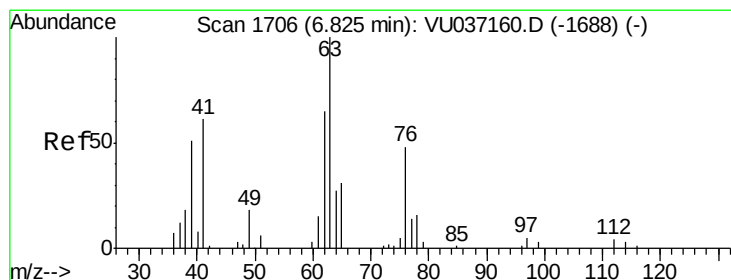
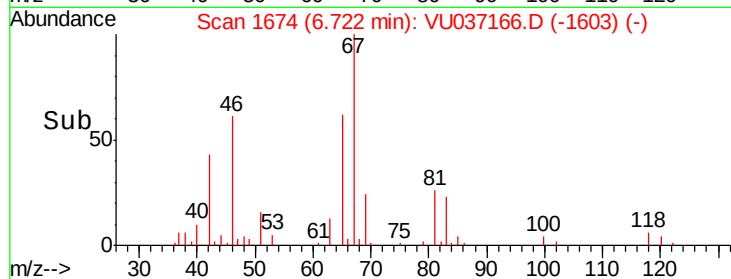
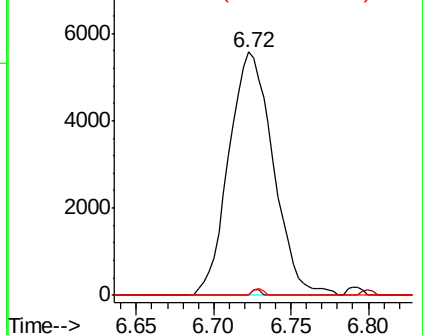
#35
Methylvlcyclohexane
Concen: 0.789 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037166.D
Acq: 11 Mar 2020 15:01

Instrument :
MSVOA_U
ClientSampleId :
CON79

Tot Ion: 83 Resp: 11114
Ion Ratio Lower Upper
83 100
55 0.4 68.1 102.1#
98 0.6 37.0 55.4#

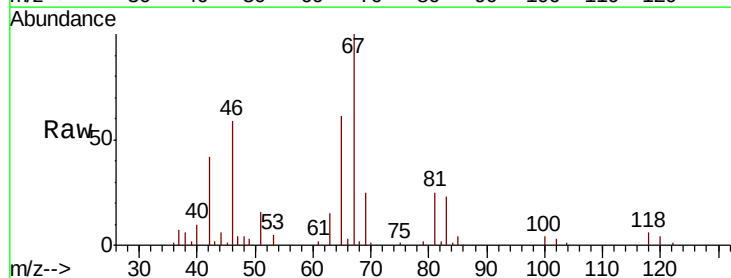


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

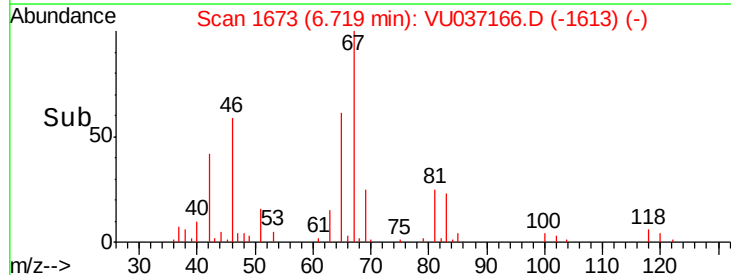
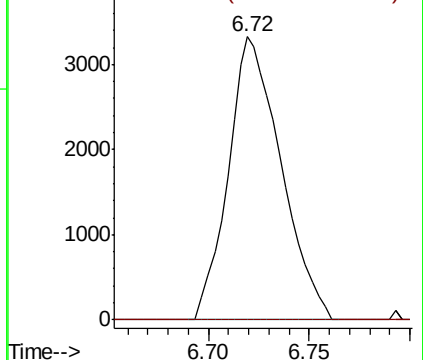


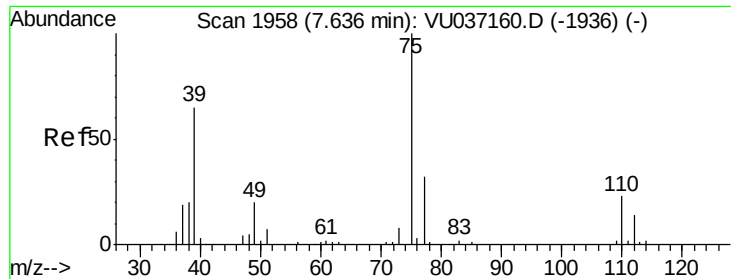
#37
1,2-Dichloropropane
Concen: 0.680 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.11 min
Lab File: VU037166.D
Acq: 11 Mar 2020 15:01

Tgt Ion: 63 Resp: 6041
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



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

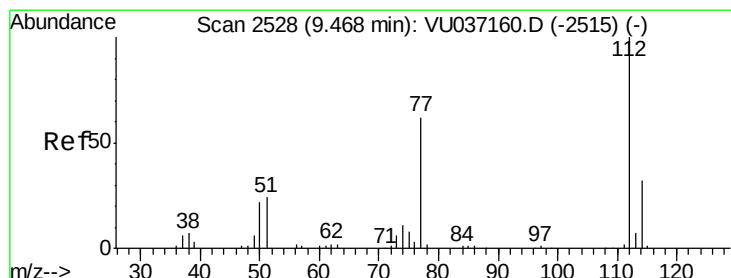
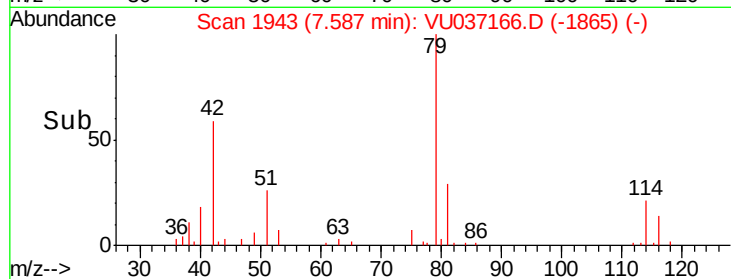
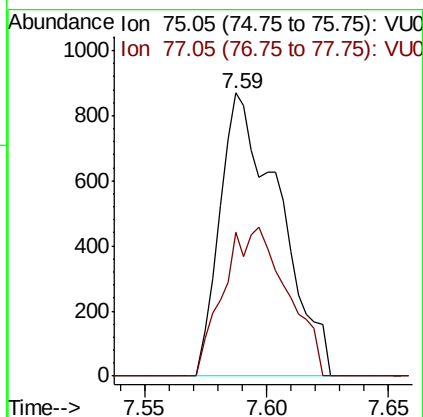
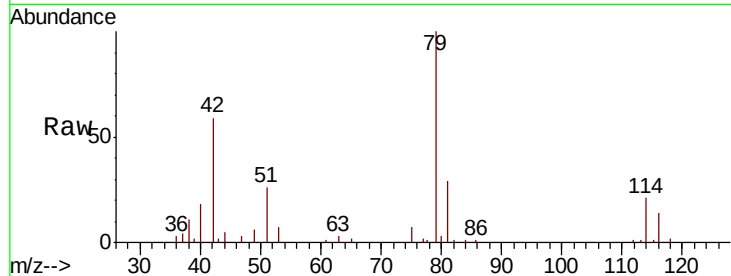




#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

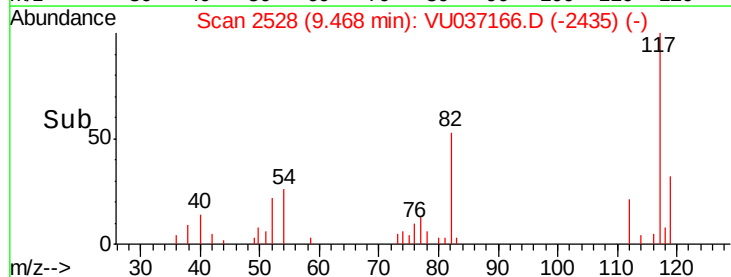
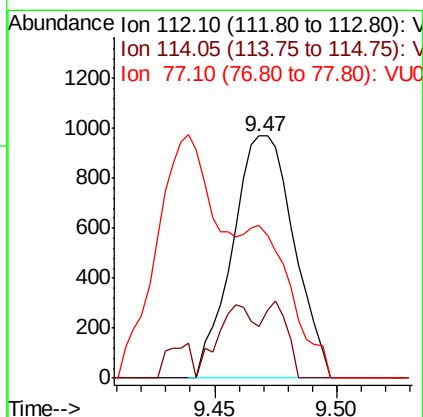
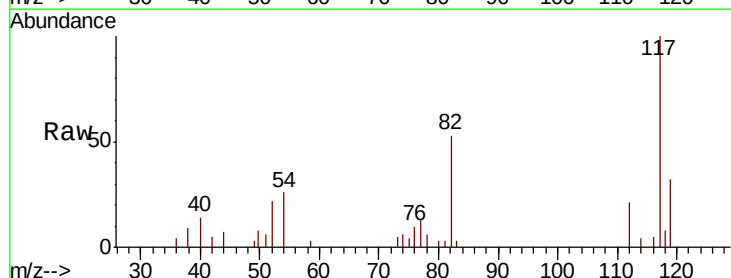
Instrument :
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 CON79

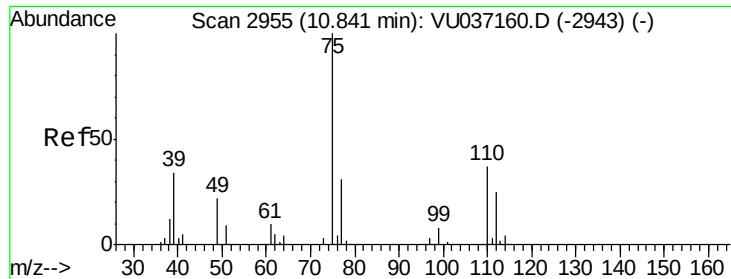
Tot Ion: 75 Resp: 1472
 Ion Ratio Lower Upper
 75 100
 77 51.0 21.1 39.1#



#51
 Chlorobenzene
 Concen: 0.073 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

Tgt Ion: 112 Resp: 1695
 Ion Ratio Lower Upper
 112 100
 114 21.1 22.0 40.8#
 77 63.0 49.4 74.2

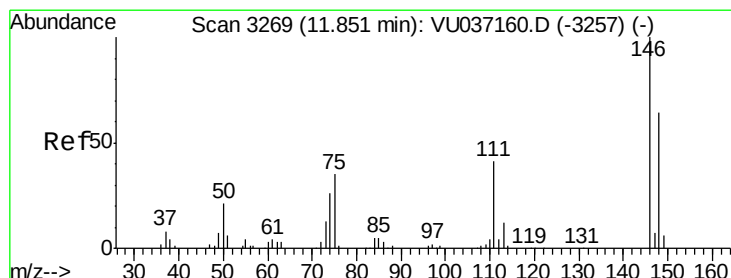
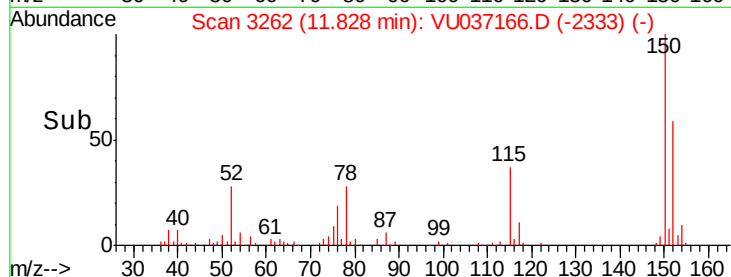
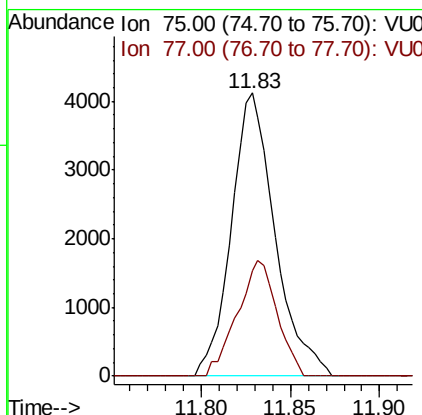
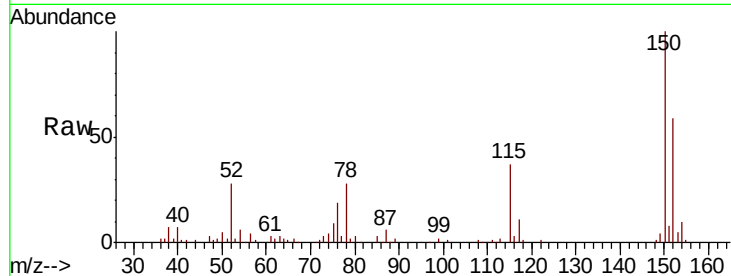




#59
 1,2,3-Trichloropropane
 Concen: 1.103 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

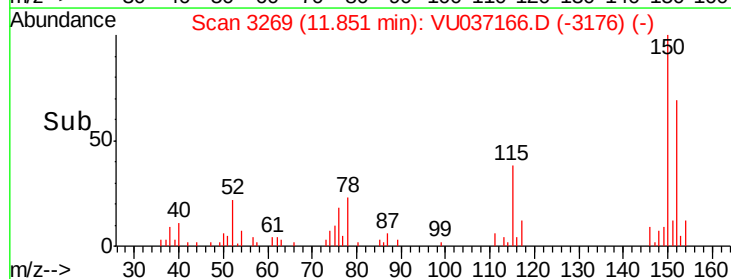
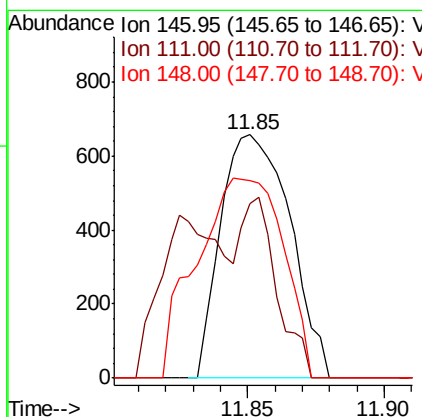
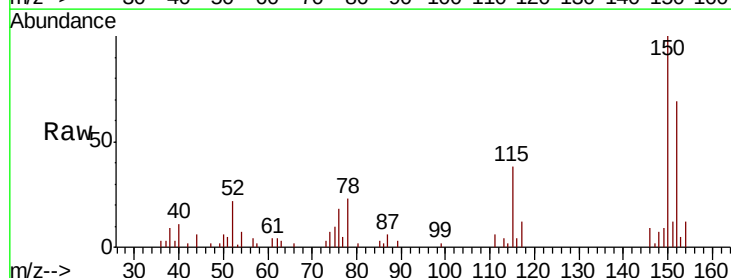
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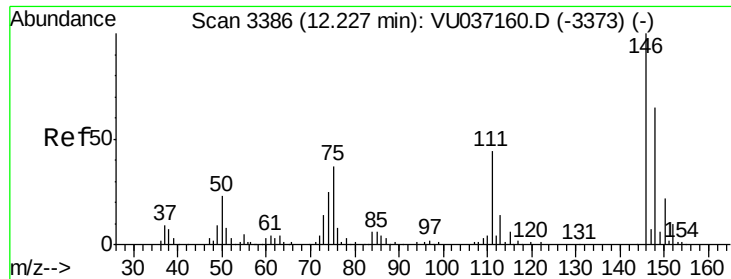
Tot Ion: 75 Resp: 7009
 Ion Ratio Lower Upper
 75 100
 77 37.2 27.4 41.0



#63
 1,4-Dichlorobenzene
 Concen: 0.079 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

Tgt Ion: 146 Resp: 1163
 Ion Ratio Lower Upper
 146 100
 111 71.4 28.4 52.8#
 148 81.0 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 0.158 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037166.D

Acq: 11 Mar 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

CON79

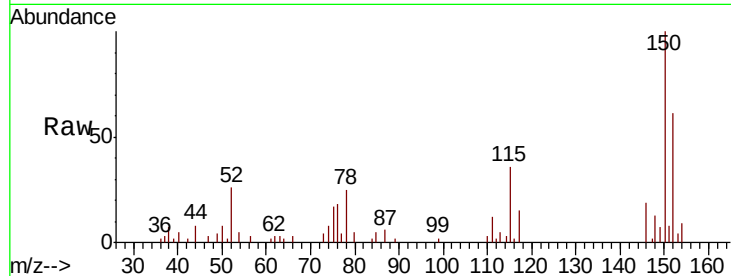
Tot Ion:146 Resp: 2232

Ion Ratio Lower Upper

146 100

111 64.4 35.5 53.3#

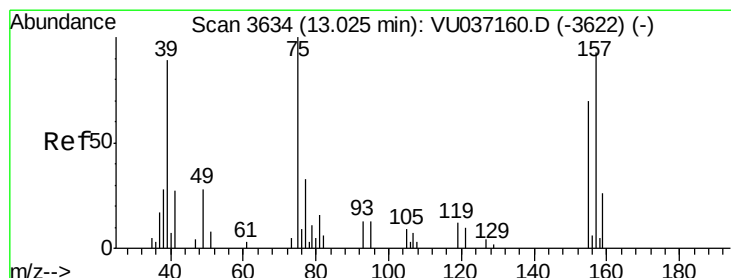
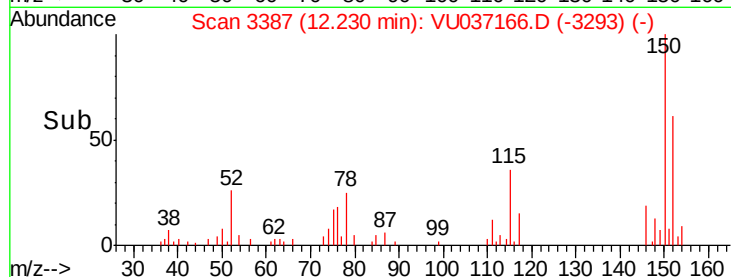
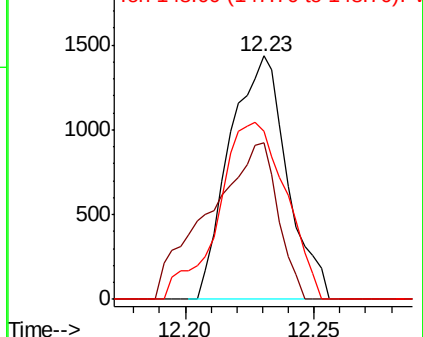
148 69.3 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.181 ug/L

RT: 13.25 min Scan# 3704

Delta R.T. 0.22 min

Lab File: VU037166.D

Acq: 11 Mar 2020 15:01

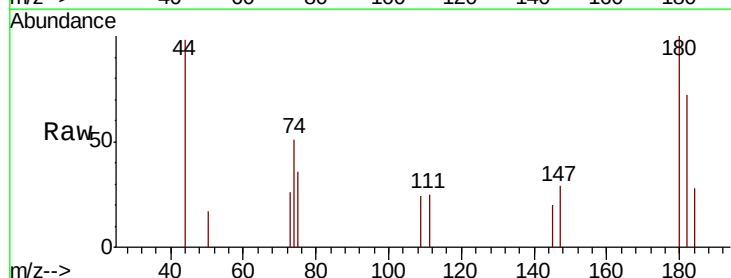
Tgt Ion: 75 Resp: 196

Ion Ratio Lower Upper

75 100

155 0.0 55.5 83.3#

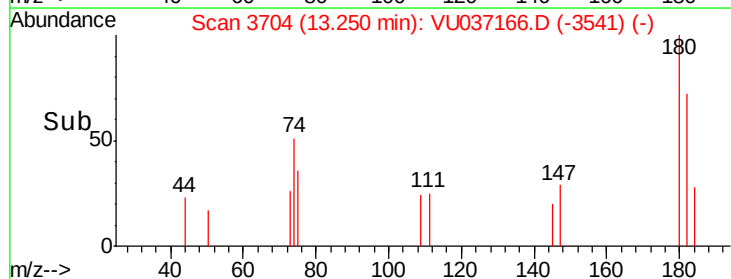
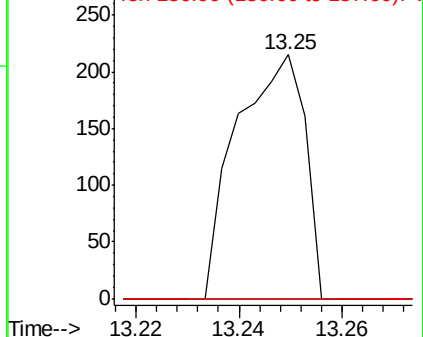
157 0.0 73.1 109.7#

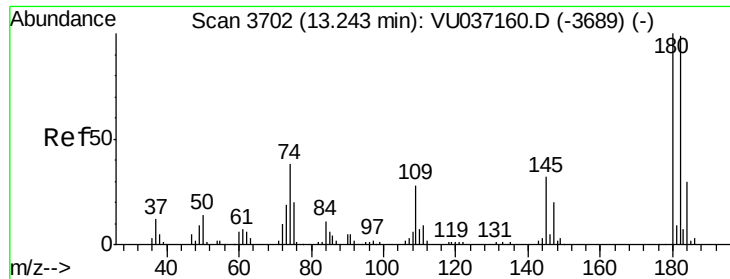


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

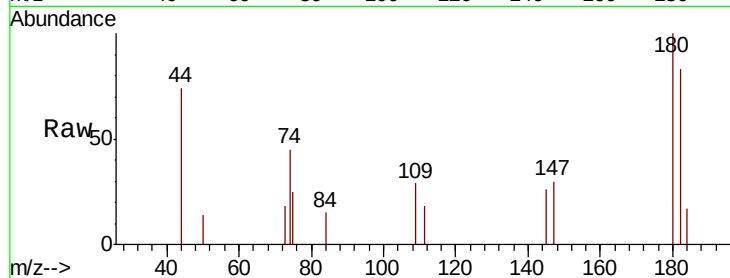




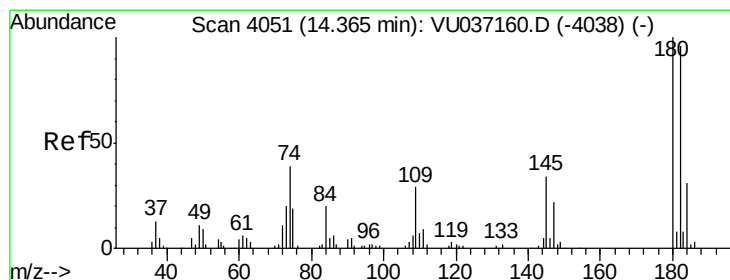
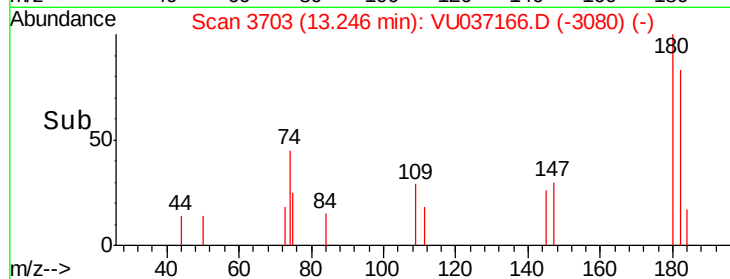
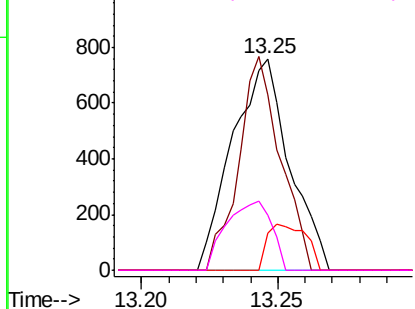
#67
 1,3,5-Trichlorobenzene
 Concen: 0.108 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

Instrument :
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Tot Ion:180 Resp: 1096
 Ion Ratio Lower Upper
 180 100
 182 73.9 73.6 110.4
 184 14.9 24.1 36.1#
 145 25.9 26.3 39.5#

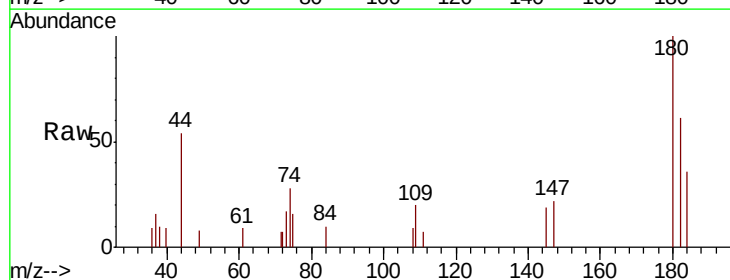


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.383 ug/L
 RT: 14.37 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VU037166.D
 Acq: 11 Mar 2020 15:01

Tgt Ion:180 Resp: 2482
 Ion Ratio Lower Upper
 180 100
 182 78.0 77.0 115.6
 145 19.6 28.2 42.4#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

