

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037677.D
 Acq On : 10 Apr 2020 16:50
 Operator : JC/MD
 Sample : L2176-04ME
 Misc : 2.06/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:32:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	695678	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	669949	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	393113	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	167336	27.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	55.04%#
7) Chloroethane-d5	1.88	69	117638	23.94	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.88%#
11) 1,1-Dichloroethene-d2	2.56	63	237707	23.99	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.98%#
21) 2-Butanone-d5	4.67	46	343394	69.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.69%
24) Chloroform-d	5.10	84	325533	35.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.24%
26) 1,2-Dichloroethane-d4	5.74	65	236626	38.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.22%
32) Benzene-d6	5.75	84	735245	37.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.60%
36) 1,2-Dichloropropane-d6	6.72	67	258231	39.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.72%
41) Toluene-d8	7.92	98	716497	39.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.42%#
43) trans-1,3-Dichloropropene-	8.20	79	134968	38.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.12%
47) 2-Hexanone-d5	8.67	63	334129	88.95	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.95%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	367507	39.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.32%
64) 1,2-Dichlorobenzene-d4	12.21	152	337520	41.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.52%

Target Compounds

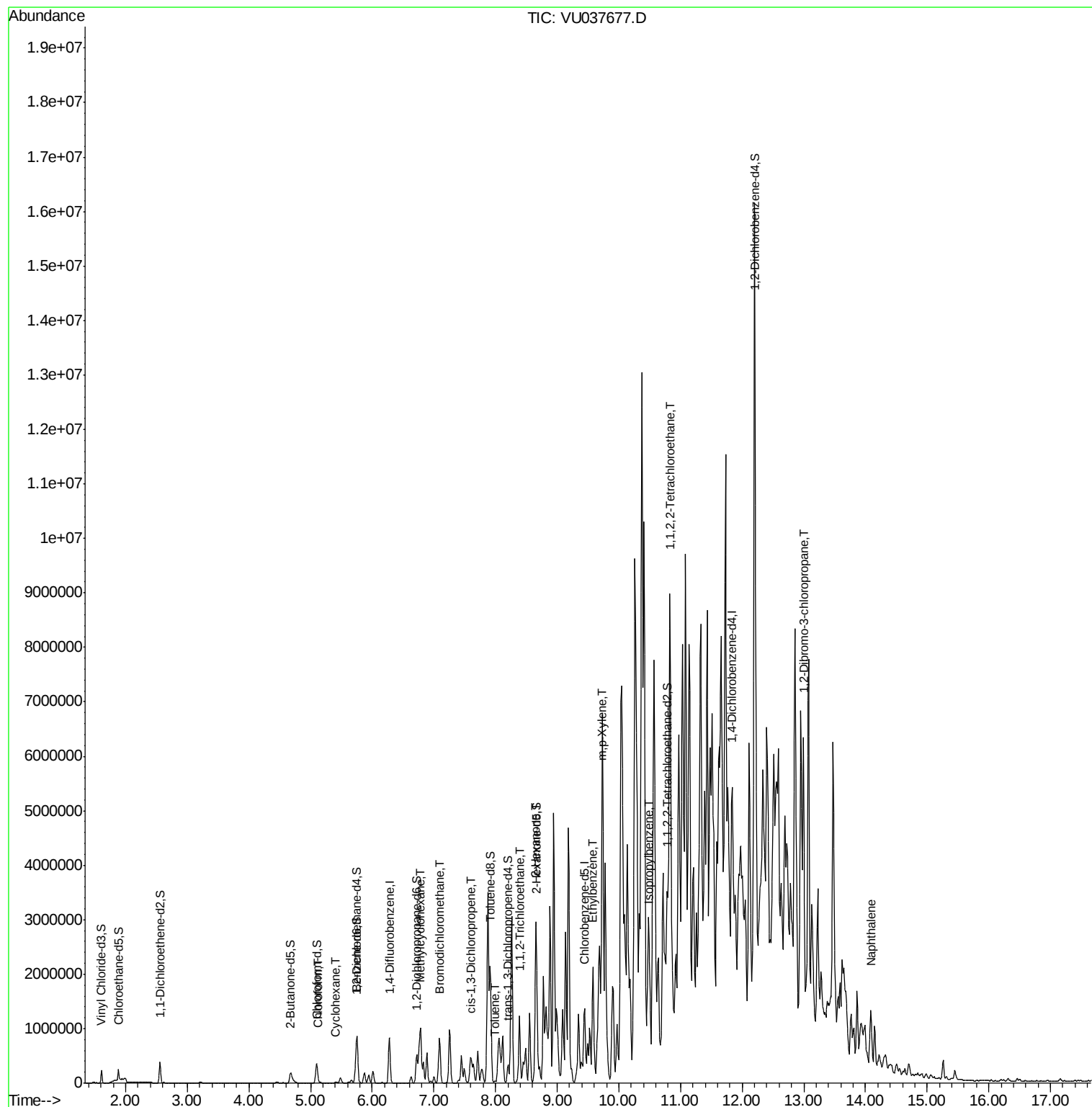
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	14335	1.629	ug/L	97
29) Cyclohexane	5.41	56	11418	1.239	ug/L	92
35) Methylcyclohexane	6.78	83	474879	53.326	ug/L #	84
38) Bromodichloromethane	7.10	83	19399	2.813	ug/L #	94
39) cis-1,3-Dichloropropene	7.59	75	7839	0.855	ug/L #	47
42) Toluene	8.00	91	21558	0.995	ug/L	98
45) 1,1,2-Trichloroethane	8.39	97	474714	94.970	ug/L #	19
48) 2-Hexanone	8.65	43	1148799	146.229	ug/L #	24
52) Ethylbenzene	9.59	91	36940	1.521	ug/L	96
53) m,p-Xylene	9.72	106	24770	2.687	ug/L	79
56) Isopropylbenzene	10.50	105	404022	16.969	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.83	83	576457	64.585	ug/L #	43
66) 1,2-Dibromo-3-chloropropan	13.00	75	18132	6.277	ug/L #	9
69) Naphthalene	14.09	128	43344	1.316	ug/L #	1

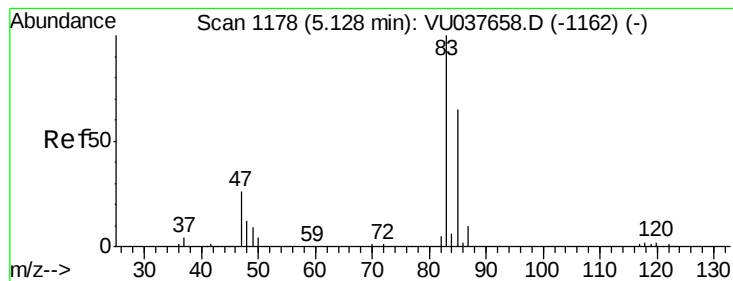
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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Quant Time: Apr 10 23:32:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 10 23:26:55 2020
Response via : Initial Calibration





#25

Chloroform

Concen: 1.629 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037677.D

Acq: 10 Apr 2020 16:50

Instrument :

MSVOA_U

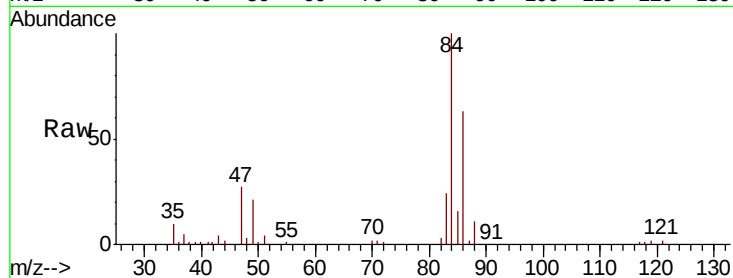
ClientSampled :

Tot Ion: 83 Resp: 14335

Ion Ratio Lower Upper

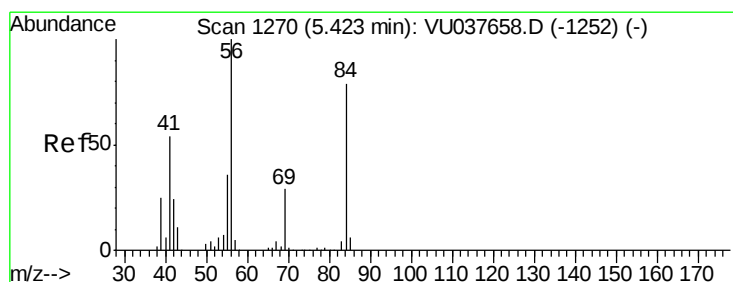
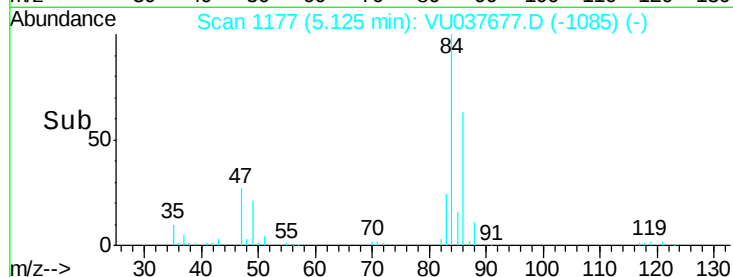
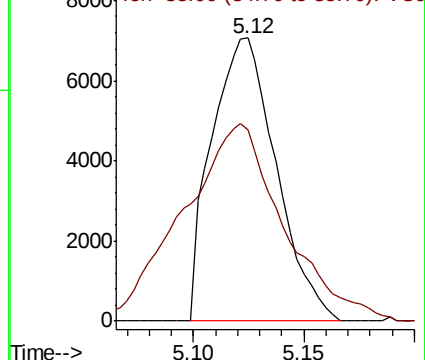
83 100

85 67.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#29

Cyclohexane

Concen: 1.239 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VU037677.D

Acq: 10 Apr 2020 16:50

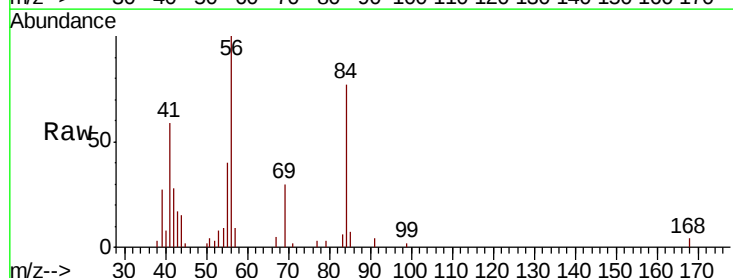
Tgt Ion: 56 Resp: 11418

Ion Ratio Lower Upper

56 100

69 31.0 24.0 36.0

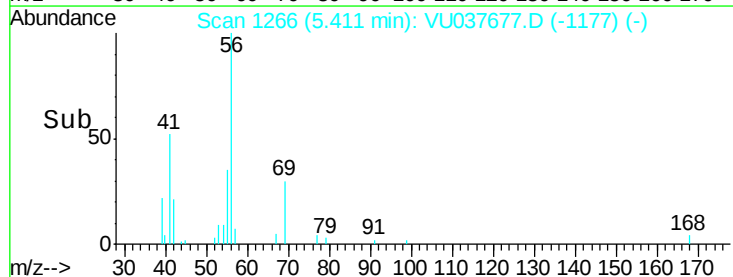
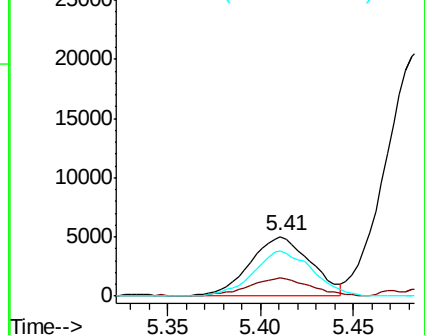
84 73.9 66.3 99.5

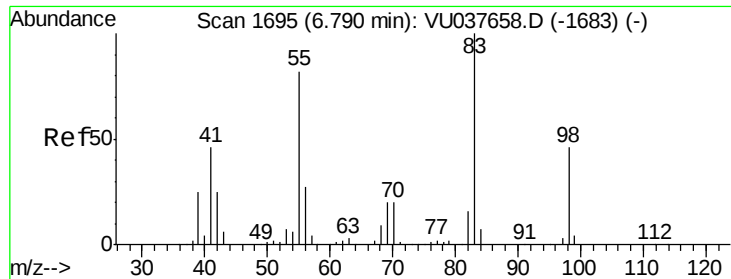


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

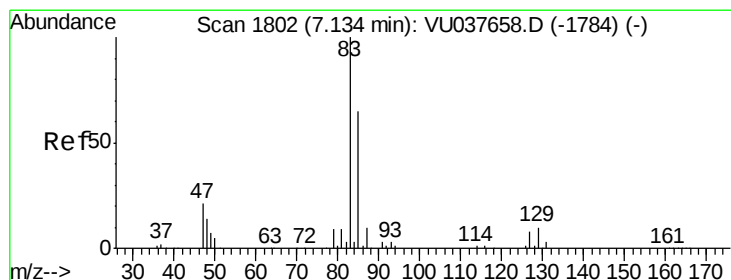
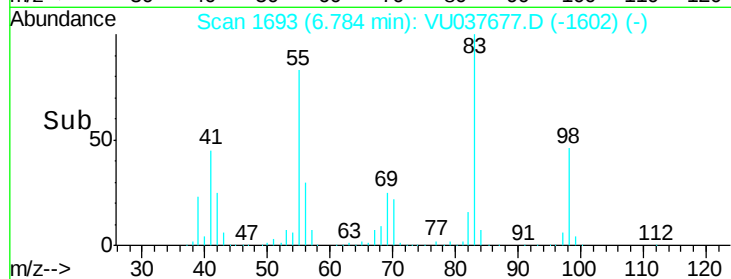
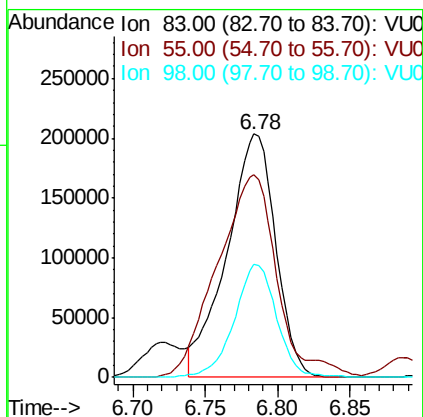
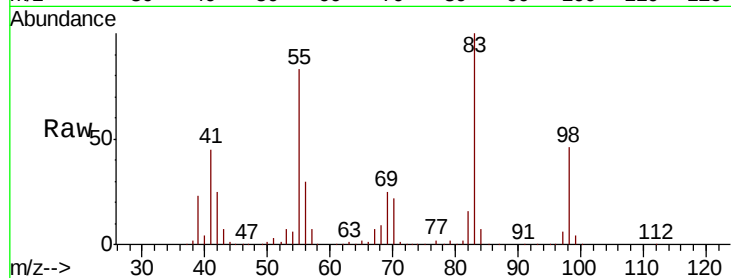




#35
Methvlcvclohexane
Concen: 53.326 ug/L
RT: 6.78 min Scan# 1693
Delta R.T. -0.01 min
Lab File: VU037677.D
Acq: 10 Apr 2020 16:50

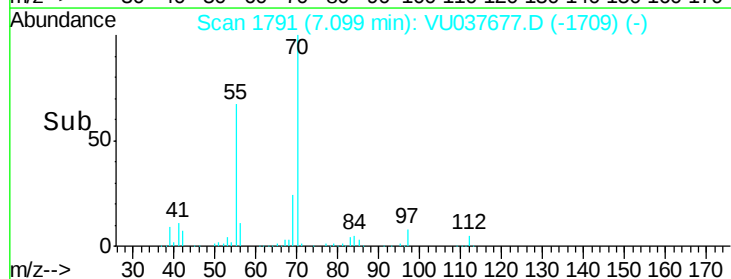
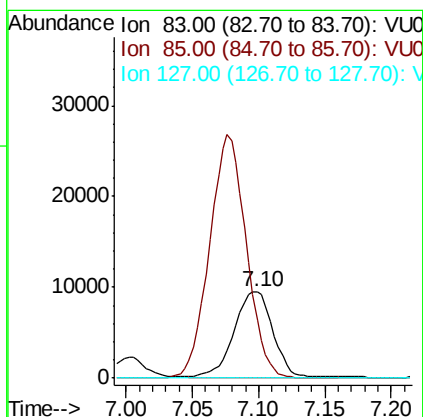
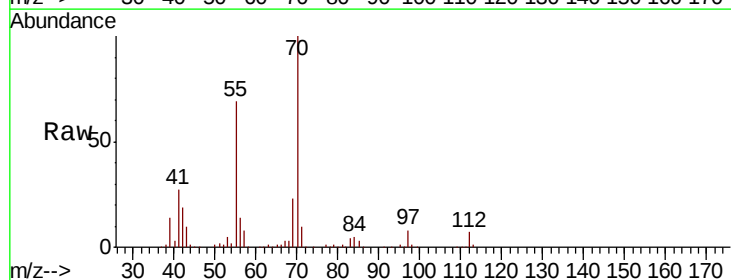
Instrument :
MSVOA_U
ClientSampled :

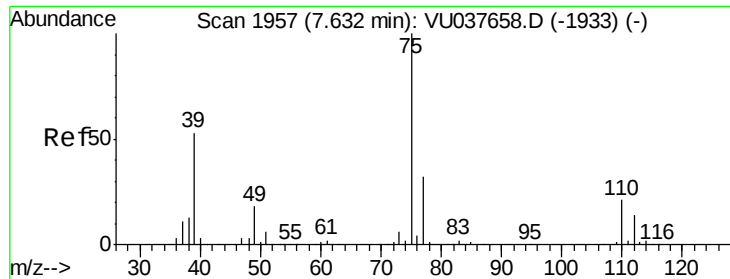
Tot Ion: 83 Resp: 474879
Ion Ratio Lower Upper
83 100
55 98.3 64.6 96.8#
98 40.8 38.0 57.0



#38
Bromodichloromethane
Concen: 2.813 ug/L
RT: 7.10 min Scan# 1791
Delta R.T. -0.04 min
Lab File: VU037677.D
Acq: 10 Apr 2020 16:50

Tgt Ion: 83 Resp: 19399
Ion Ratio Lower Upper
83 100
85 67.1 45.1 83.7
127 0.0 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 0.855 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU037677.D

Acq: 10 Apr 2020 16:50

Instrument :

MSVOA_U

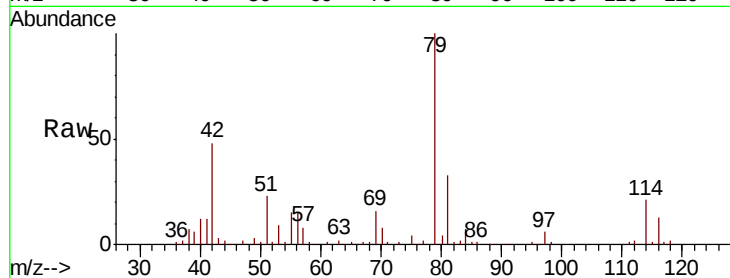
ClientSampleId :

Tot Ion: 75 Resp: 7839

Ion Ratio Lower Upper

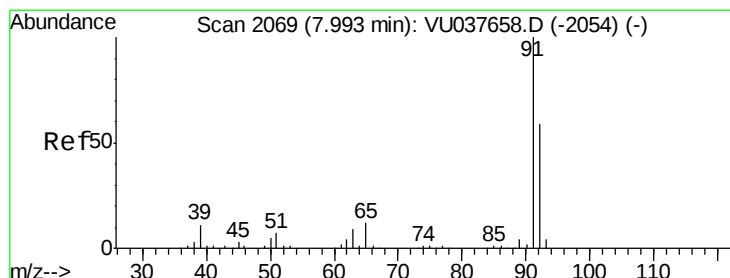
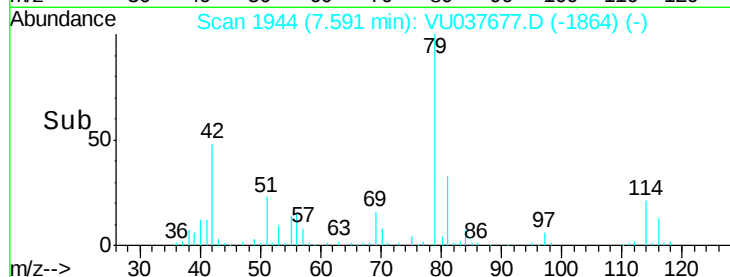
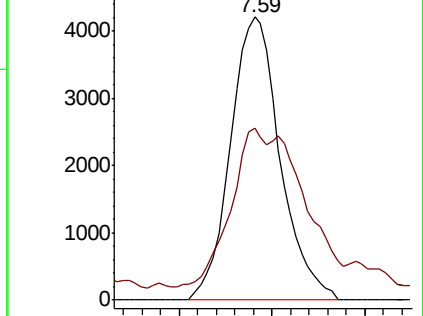
75 100

77 60.9 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#42

Toluene

Concen: 0.995 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037677.D

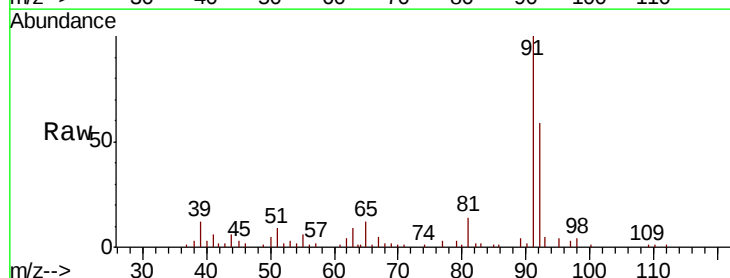
Acq: 10 Apr 2020 16:50

Tgt Ion: 91 Resp: 21558

Ion Ratio Lower Upper

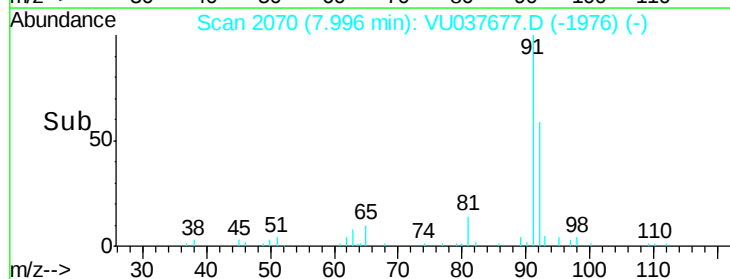
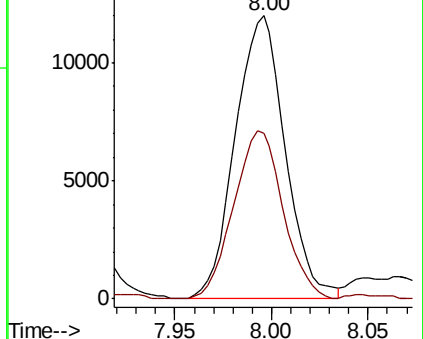
91 100

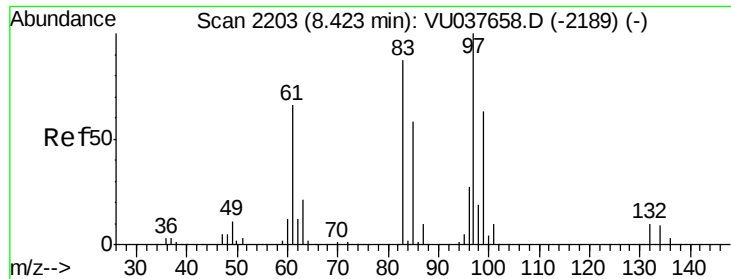
92 58.5 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

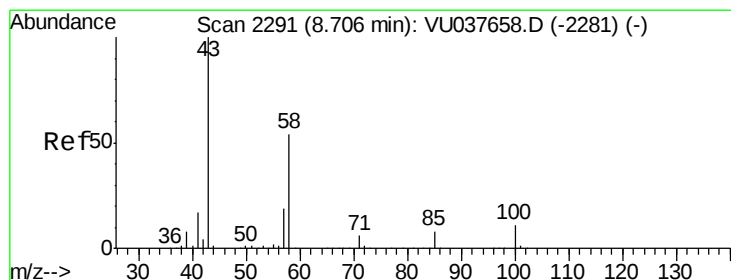
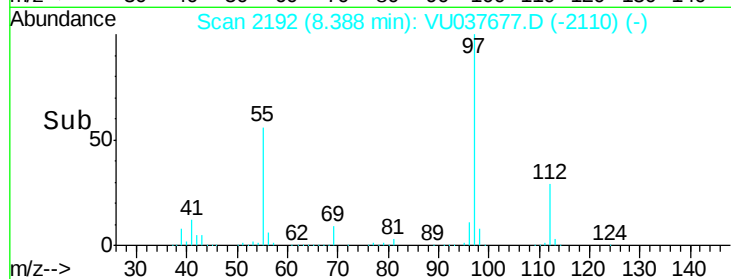
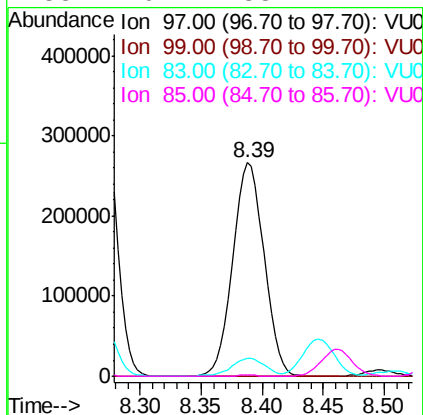
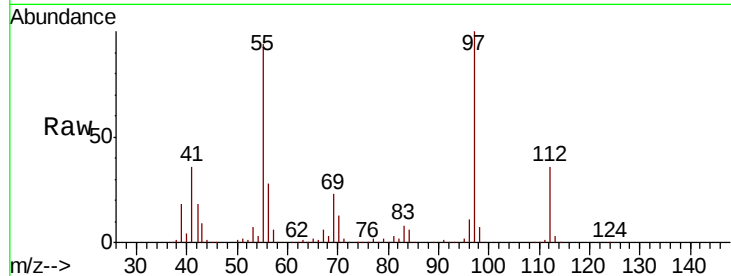




#45
 1,1,2-Trichloroethane
 Concen: 94.970 ug/L
 RT: 8.39 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VU037677.D
 Acq: 10 Apr 2020 16:50

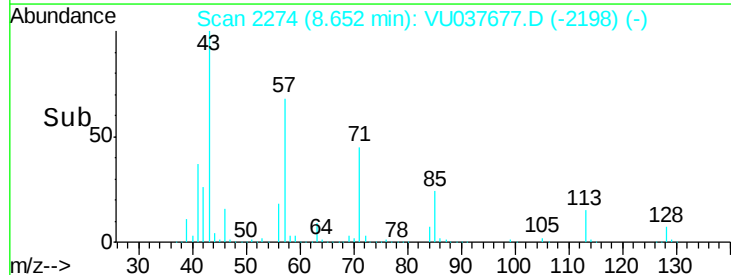
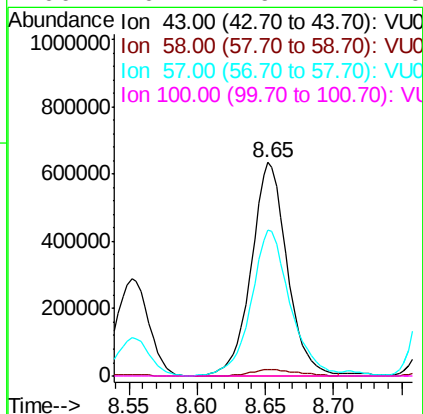
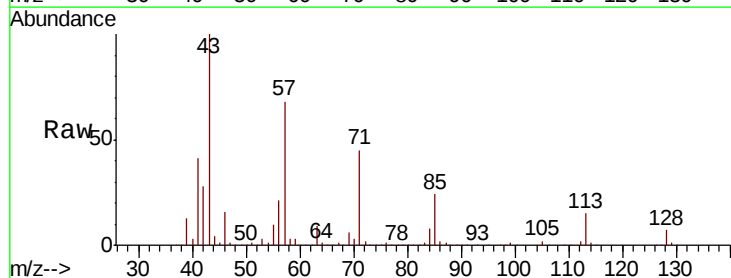
Instrument :
 MSVOA_U
 ClientSampleId :

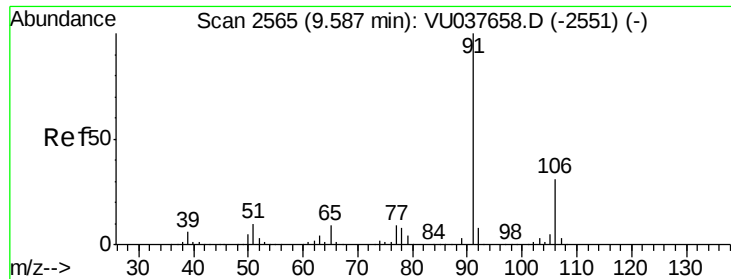
Tot Ion:	97	Resp:	474714
Ion	Ratio	Lower	Upper
97	100		
99	0.3	43.6	81.0#
83	8.2	61.2	113.8#
85	0.4	38.4	71.4#



#48
 2-Hexanone
 Concen: 146.229 ug/L
 RT: 8.65 min Scan# 2274
 Delta R.T. -0.05 min
 Lab File: VU037677.D
 Acq: 10 Apr 2020 16:50

Tgt Ion:	43	Resp:	1148799
Ion	Ratio	Lower	Upper
43	100		
58	4.1	44.0	66.0#
57	74.0	15.2	22.8#
100	0.1	9.4	14.0#

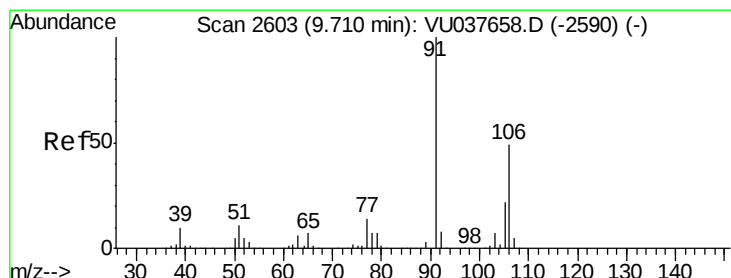
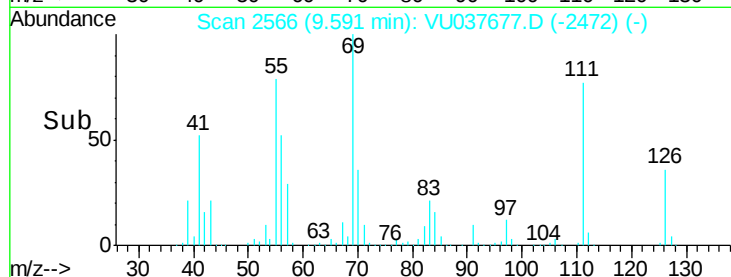
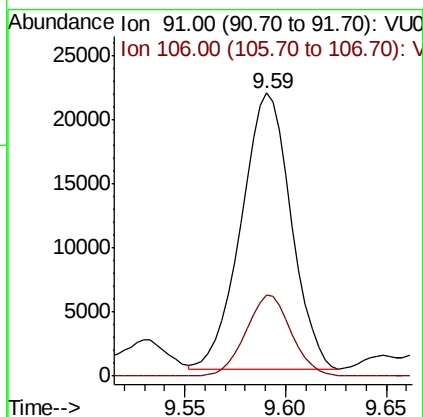
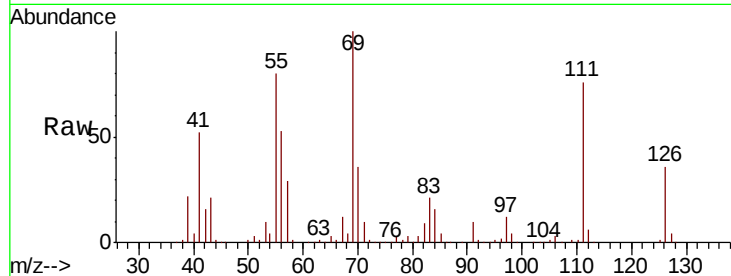




#52
Ethylbenzene
Concen: 1.521 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037677.D
Acq: 10 Apr 2020 16:50

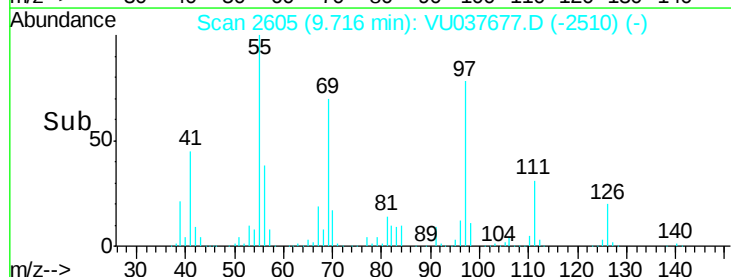
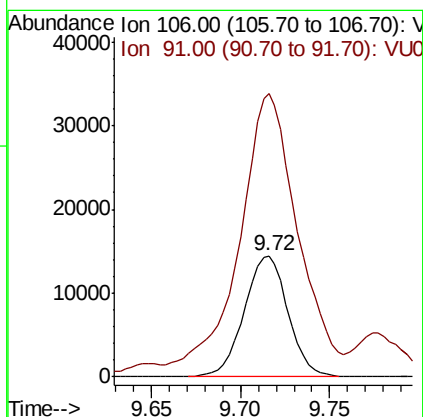
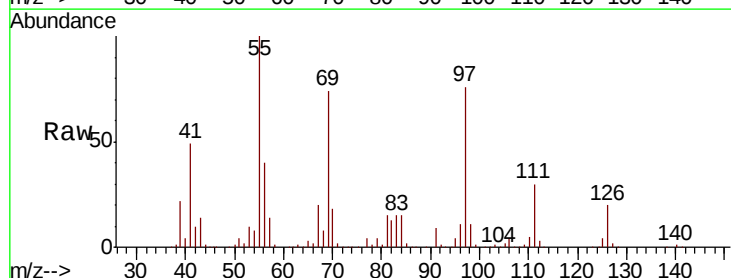
Instrument :
MSVOA_U
ClientSampled :

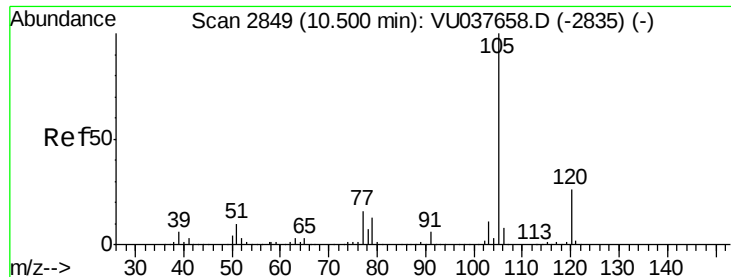
Tot Ion: 91 Resp: 36940
Ion Ratio Lower Upper
91 100
106 28.7 21.6 40.0



#53
m,p-Xylene
Concen: 2.687 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.01 min
Lab File: VU037677.D
Acq: 10 Apr 2020 16:50

Tgt Ion: 106 Resp: 24770
Ion Ratio Lower Upper
106 100
91 233.8 140.8 261.6





#56

Isopropylbenzene

Concen: 16.969 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037677.D

Acq: 10 Apr 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

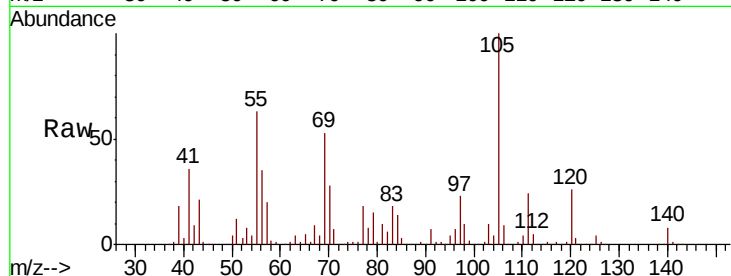
Tot Ion:105 Resp: 404022

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

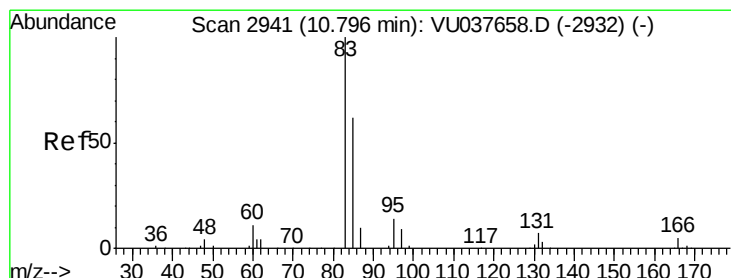
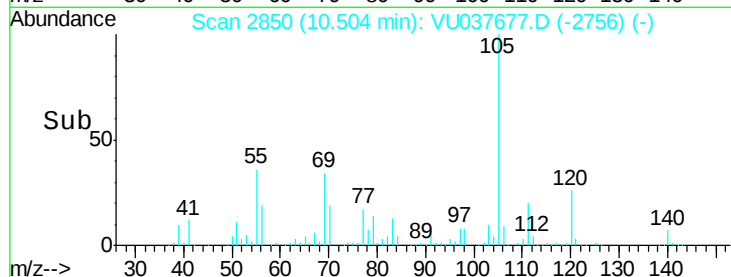
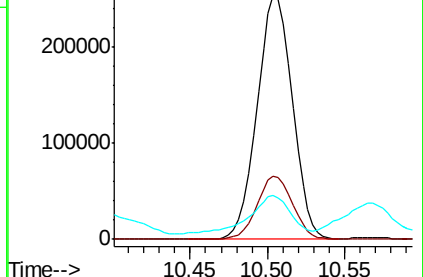
77 18.6 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 64.585 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.03 min

Lab File: VU037677.D

Acq: 10 Apr 2020 16:50

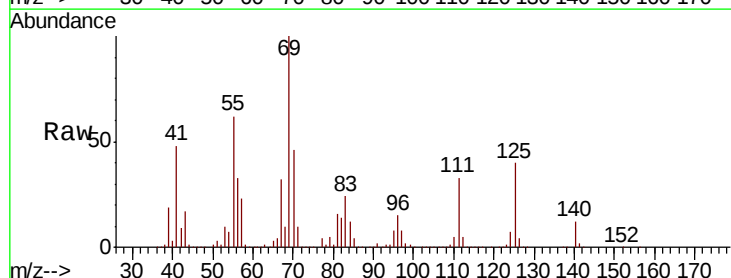
Tgt Ion: 83 Resp: 576457

Ion Ratio Lower Upper

83 100

85 15.3 44.2 82.2#

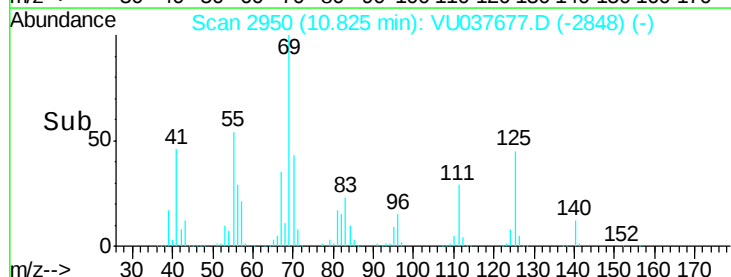
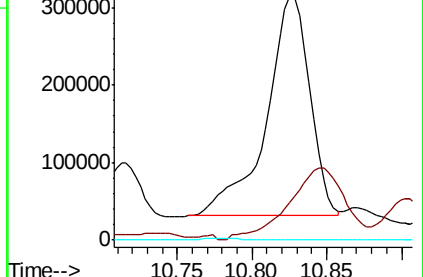
131 0.0 7.6 11.4#

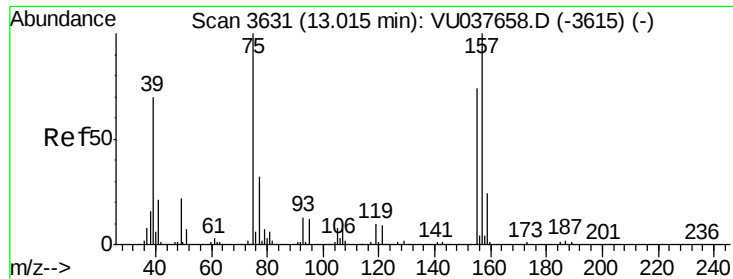


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

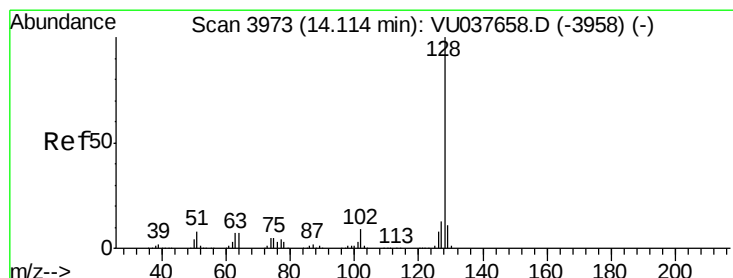
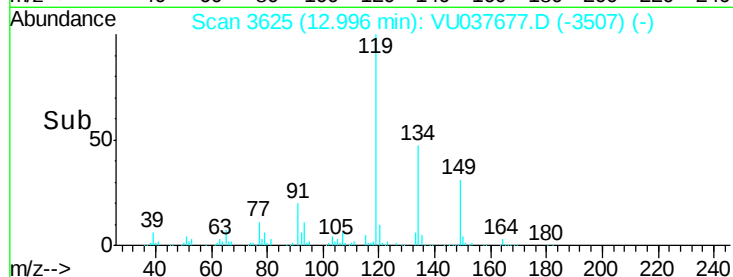
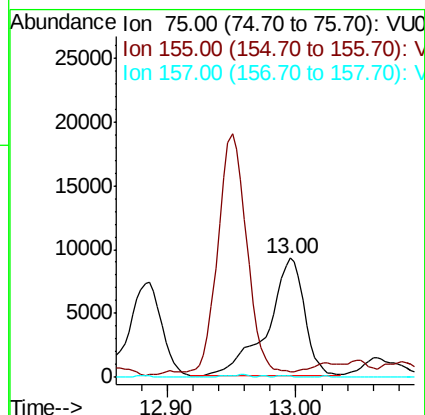
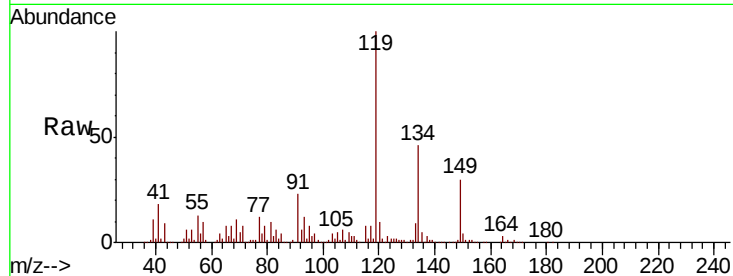




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.277 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VU037677.D
 Acq: 10 Apr 2020 16:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 18132
 Ion Ratio Lower Upper
 75 100
 155 4.9 60.9 91.3#
 157 1.4 78.8 118.2#



#69
 Naphthalene
 Concen: 1.316 ug/L
 RT: 14.09 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VU037677.D
 Acq: 10 Apr 2020 16:50

Tgt Ion: 128 Resp: 43344
 Ion Ratio Lower Upper
 128 100
 127 48.2 10.5 15.7#
 129 100.7 8.6 13.0#

