

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
 Data File : VU037688.D
 Acq On : 13 Apr 2020 16:58
 Operator : JC/MD
 Sample : L2176-04ME
 Misc : 2.06µL/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG2J0ME

Quant Time: Apr 14 03:30:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 14 03:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	650314	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	630183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	374008	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	198154	34.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.72%
7) Chloroethane-d5	1.88	69	121744	26.50	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	53.00%#
11) 1,1-Dichloroethene-d2	2.62	63	100	0.01	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.68	46	354524	76.97	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.97%
24) Chloroform-d	5.10	84	344853	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.72%
26) 1,2-Dichloroethane-d4	5.73	65	249623	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
32) Benzene-d6	5.75	84	768747	41.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.92%
36) 1,2-Dichloropropane-d6	6.72	67	271568	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.00%
41) Toluene-d8	7.92	98	744500	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%
43) trans-1,3-Dichloropropene-	8.20	79	137456	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
47) 2-Hexanone-d5	8.67	63	353579	100.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.07%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	376734	43.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.44%
64) 1,2-Dichlorobenzene-d4	12.21	152	350770	45.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.14%

Target Compounds

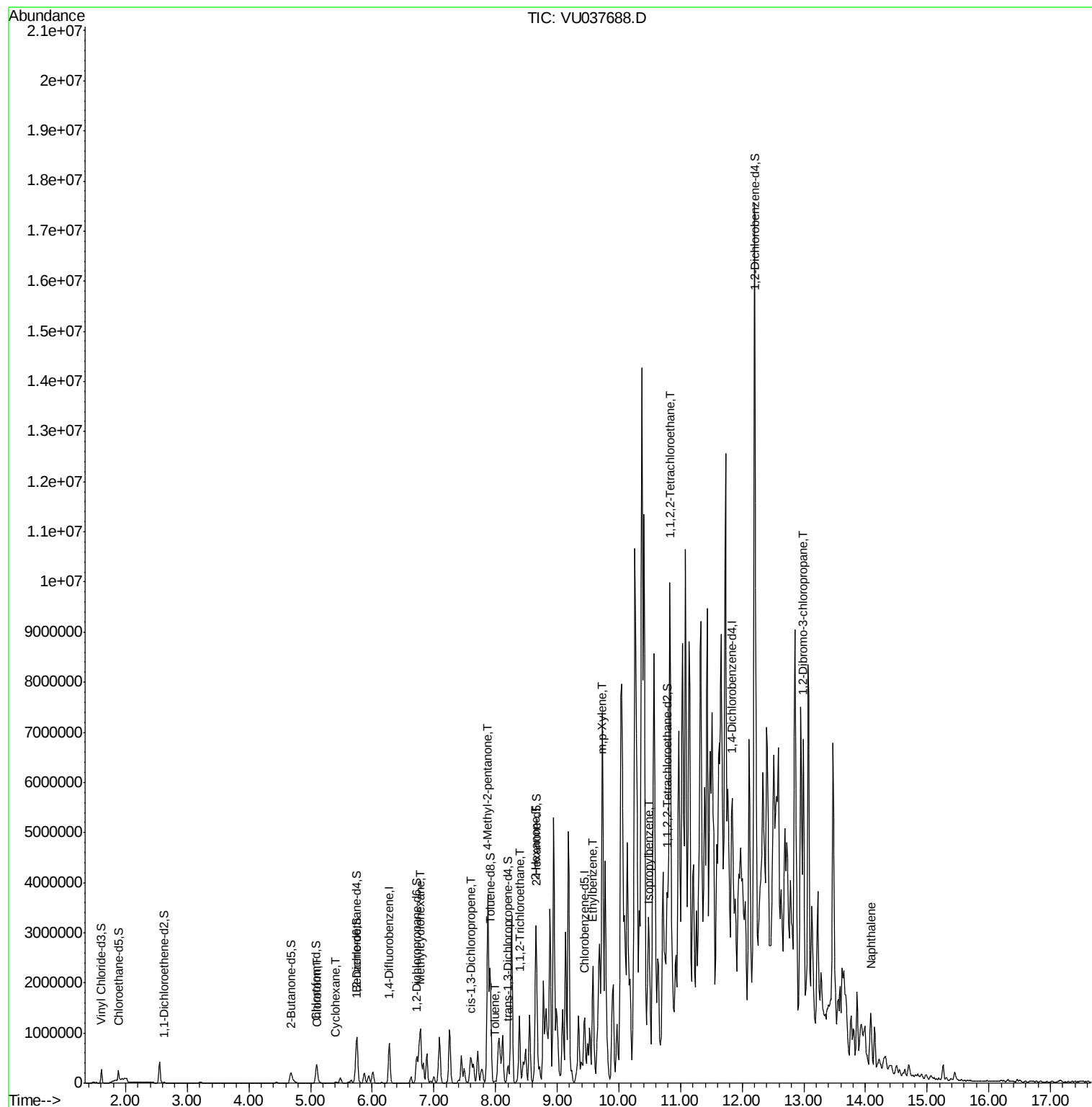
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	13761	1.673	ug/L	98
29) Cyclohexane	5.41	56	11601	1.339	ug/L #	95
35) Methylcyclohexane	6.78	83	509999	60.884	ug/L #	83
39) cis-1,3-Dichloropropene	7.59	75	7265	0.842	ug/L #	17
40) 4-Methyl-2-pentanone	7.88	43	156209	16.691	ug/L #	50
42) Toluene	7.99	91	24020	1.179	ug/L	97
45) 1,1,2-Trichloroethane	8.39	97	512474	108.994	ug/L #	19
48) 2-Hexanone	8.65	43	1236023	167.260	ug/L #	24
52) Ethylbenzene	9.59	91	42081	1.842	ug/L	93
53) m,p-Xylene	9.72	106	25083	2.892	ug/L	77
56) Isopropylbenzene	10.50	105	442916	19.776	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.83	83	645087	76.835	ug/L #	43
66) 1,2-Dibromo-3-chloropropan	13.00	75	20574	7.486	ug/L #	7
69) Naphthalene	14.09	128	52287	1.669	ug/L #	1

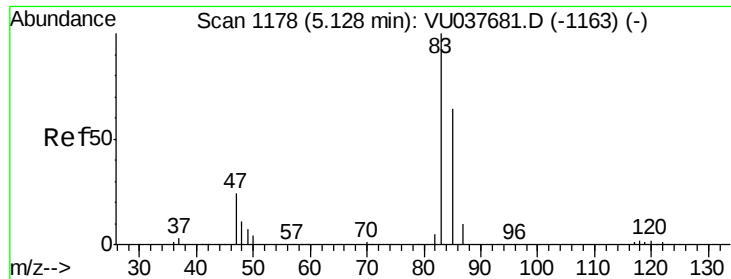
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 14 03:27:41 2020
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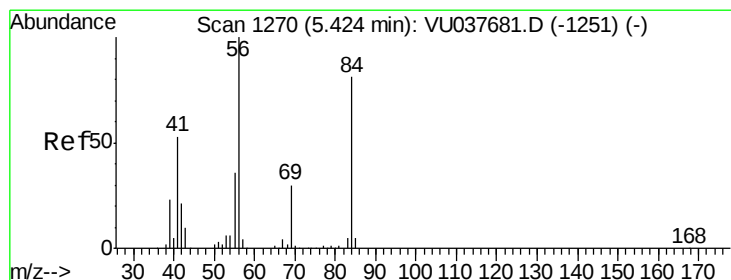
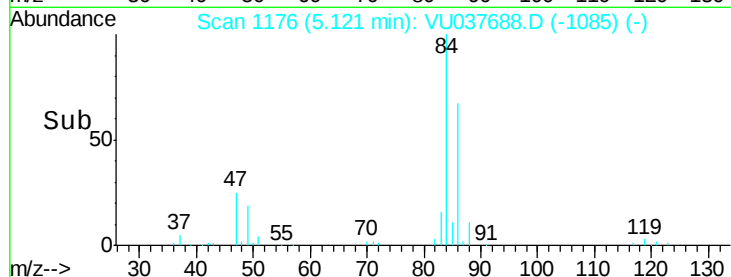
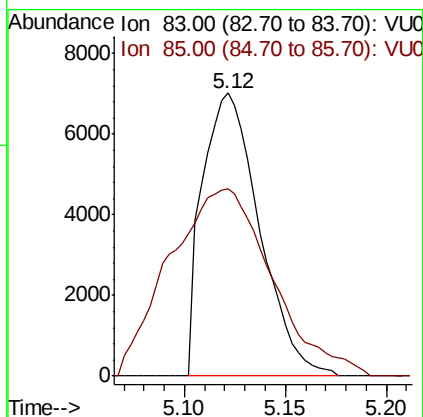
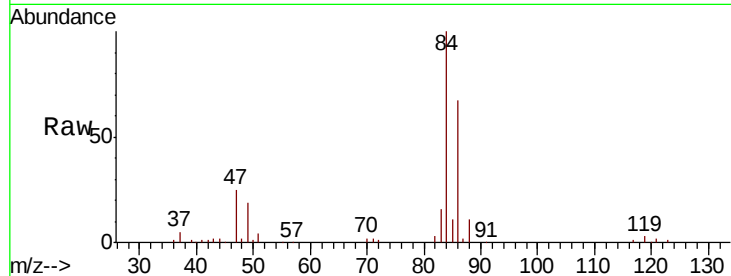




#25
Chloroform
Concen: 1.673 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

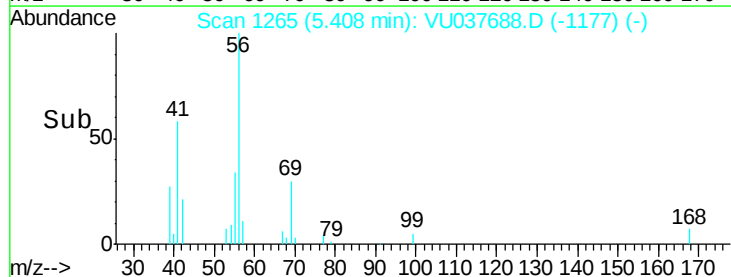
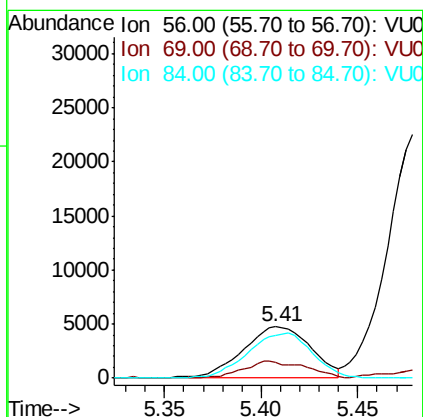
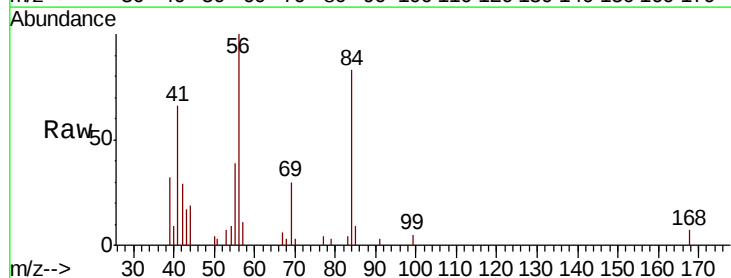
Instrument :
MSVOA_U
ClientSampleId :
BG2J0ME

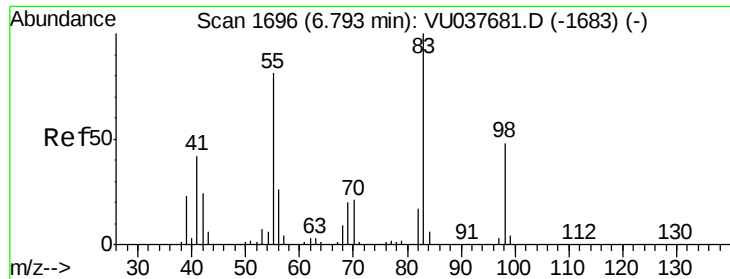
Tot Ion: 83 Resp: 13761
Ion Ratio Lower Upper
83 100
85 66.3 45.5 84.5



#29
Cyclohexane
Concen: 1.339 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

Tgt Ion: 56 Resp: 11601
Ion Ratio Lower Upper
56 100
69 20.6 24.0 36.0#
84 83.7 66.3 99.5

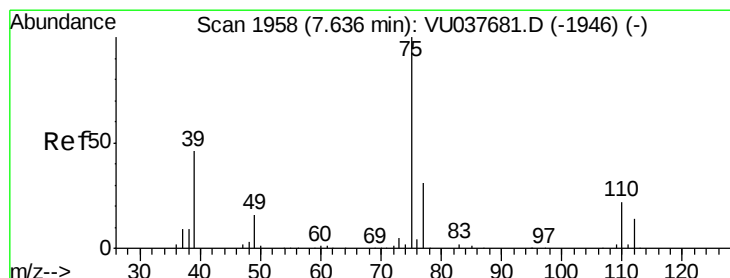
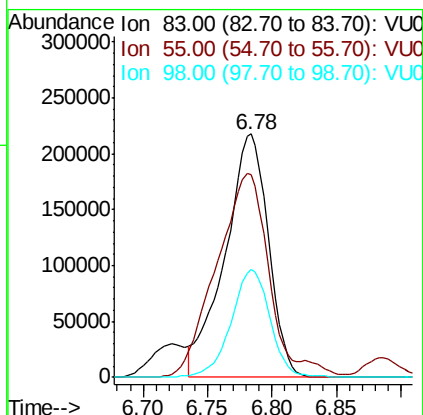
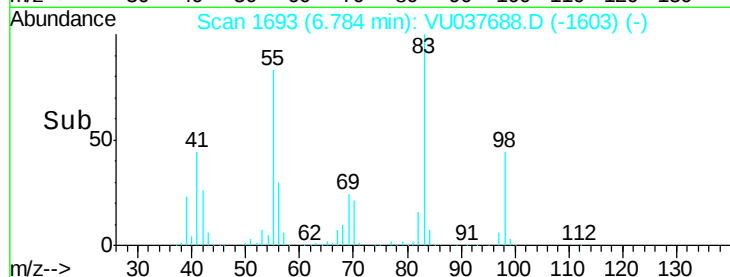
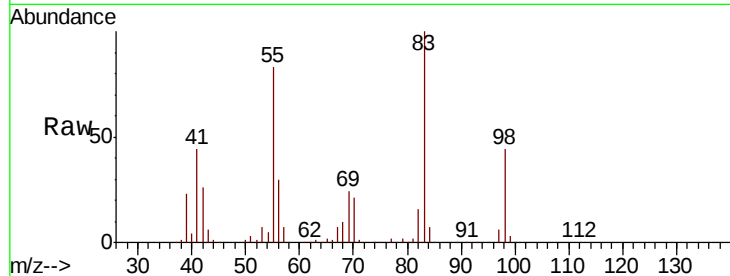




#35
Methvlcvclohexane
Concen: 60.884 ug/L
RT: 6.78 min Scan# 1693
Delta R.T. -0.01 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

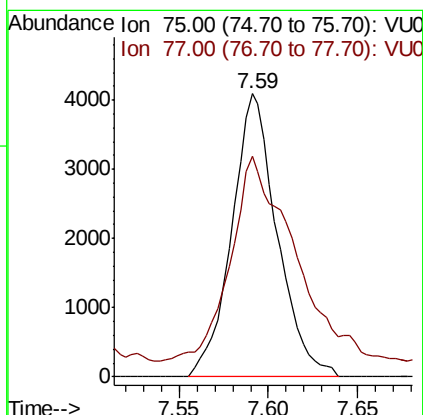
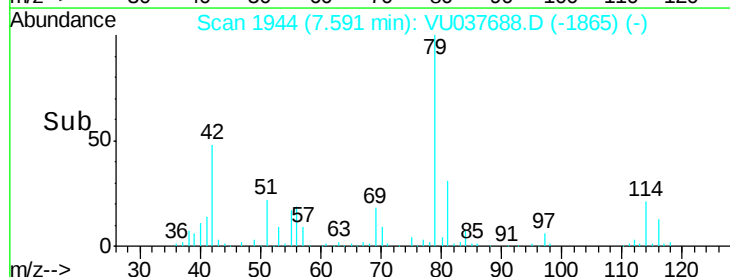
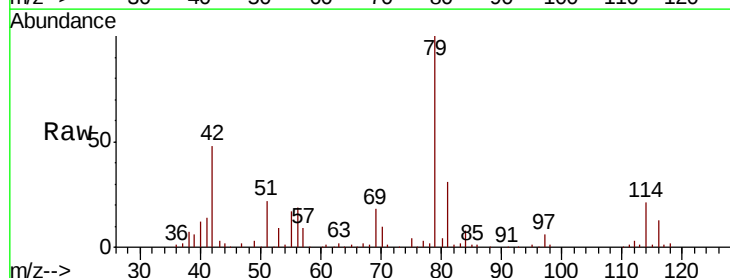
Instrument :
MSVOA_U
ClientSampleId :
BG2J0ME

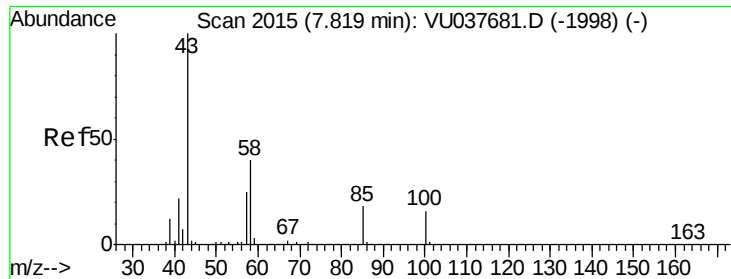
Tot Ion: 83 Resp: 509999
Ion Ratio Lower Upper
83 100
55 97.9 64.6 96.8#
98 39.6 38.0 57.0



#39
cis-1,3-Dichloropropene
Concen: 0.842 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

Tgt Ion: 75 Resp: 7265
Ion Ratio Lower Upper
75 100
77 77.9 22.1 41.1#

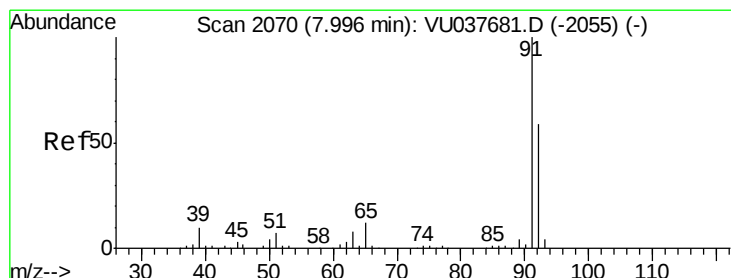
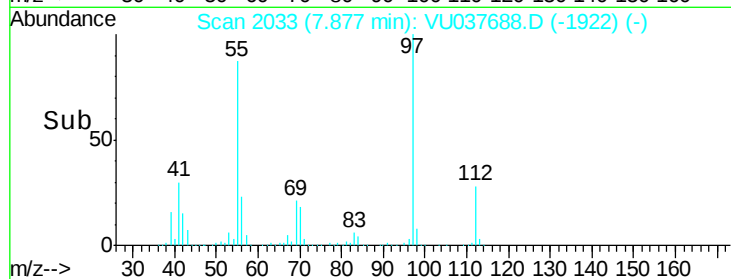
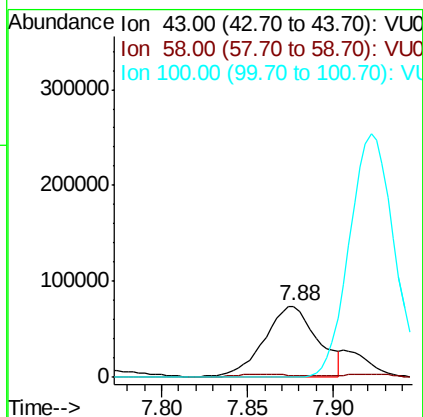
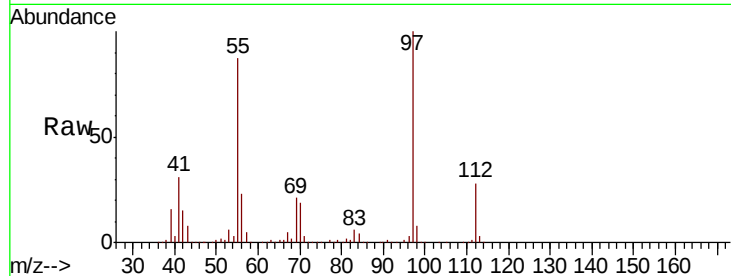




#40
4-Methyl-2-pentanone
Concen: 16.691 ug/L
RT: 7.88 min Scan# 2033
Delta R.T. 0.06 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

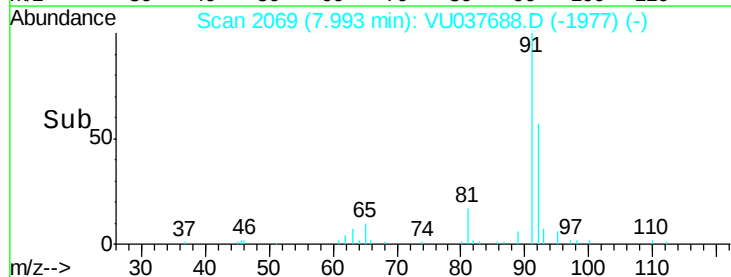
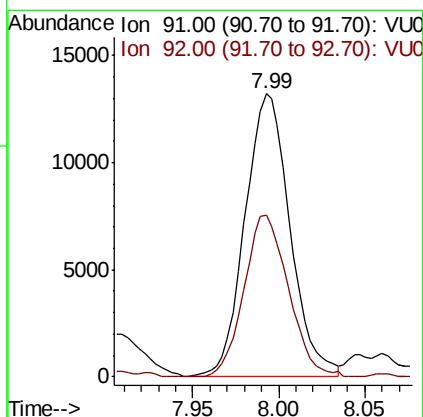
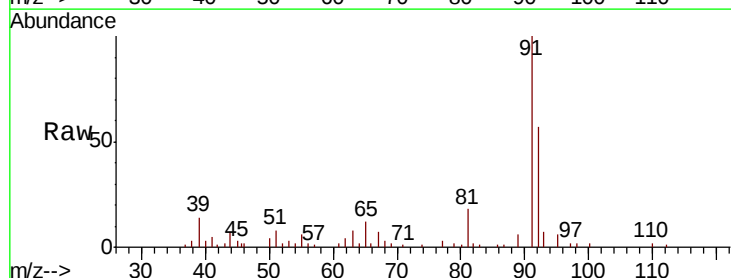
Instrument :
MSVOA_U
ClientSampleId :
BG2J0ME

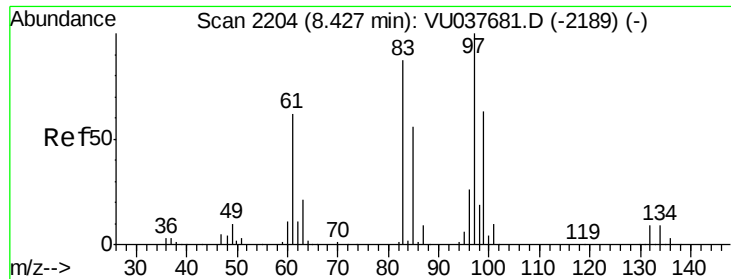
Tot Ion: 43 Resp: 156209
Ion Ratio Lower Upper
43 100
58 5.1 31.5 47.3#
100 0.0 12.0 18.0#



#42
Toluene
Concen: 1.179 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

Tgt Ion: 91 Resp: 24020
Ion Ratio Lower Upper
91 100
92 57.2 41.8 77.6

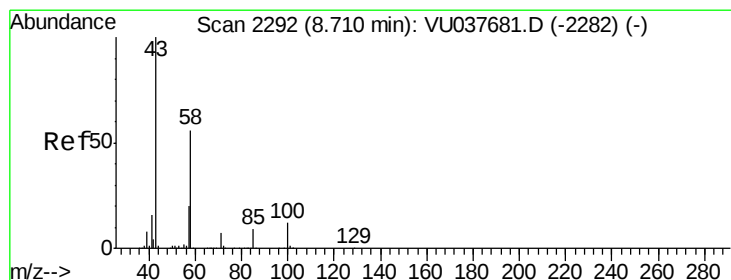
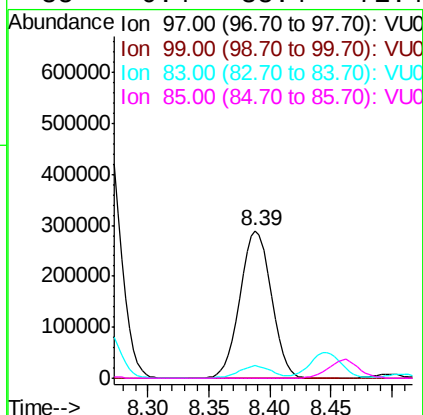
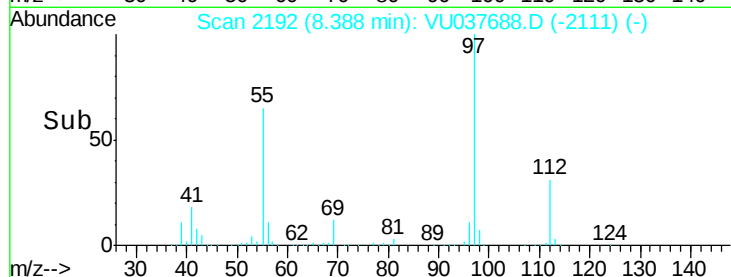
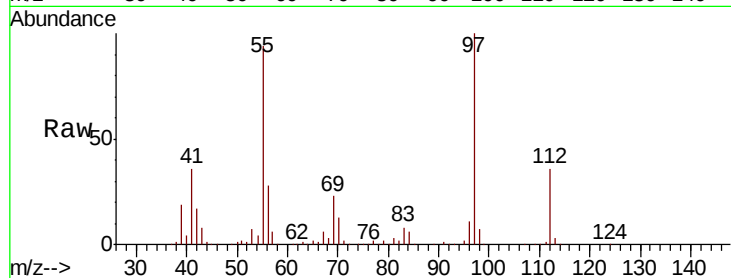




#45
 1,1,2-Trichloroethane
 Concen: 108.994 ug/L
 RT: 8.39 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VU037688.D
 Acq: 13 Apr 2020 16:58

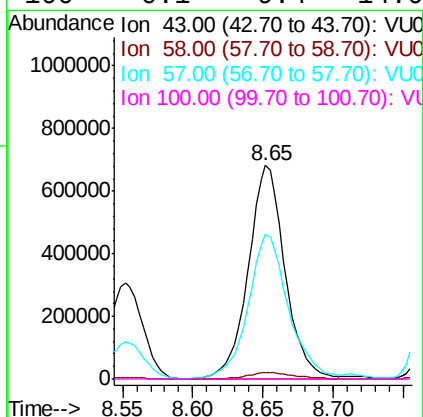
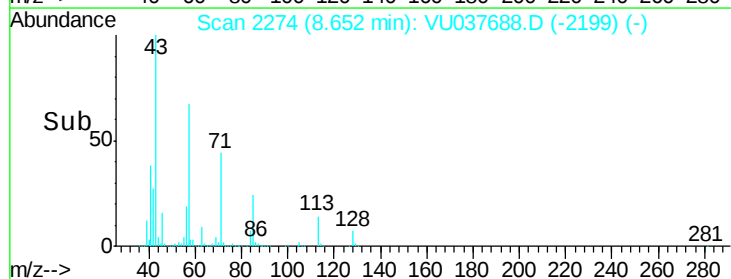
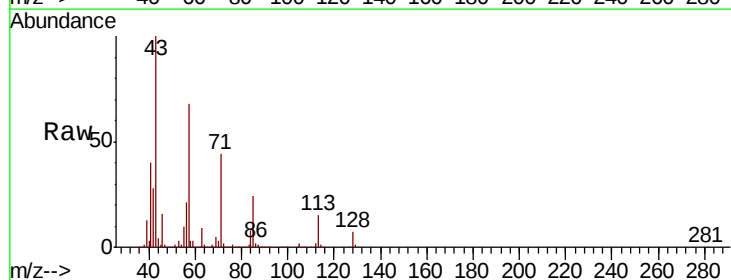
Instrument :
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 ClientSampleId :
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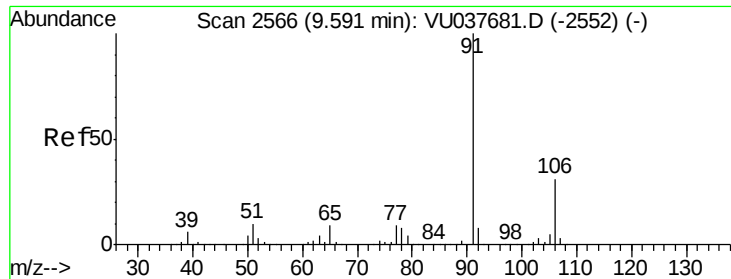
Tot Ion: 97 Resp: 512474
 Ion Ratio Lower Upper
 97 100
 99 0.3 43.6 81.0#
 83 8.3 61.2 113.8#
 85 0.4 38.4 71.4#



#48
 2-Hexanone
 Concen: 167.260 ug/L
 RT: 8.65 min Scan# 2274
 Delta R.T. -0.06 min
 Lab File: VU037688.D
 Acq: 13 Apr 2020 16:58

Tgt Ion: 43 Resp: 1236023
 Ion Ratio Lower Upper
 43 100
 58 4.0 44.0 66.0#
 57 73.9 15.2 22.8#
 100 0.1 9.4 14.0#

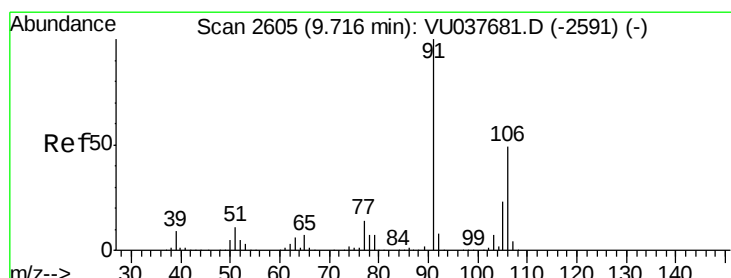
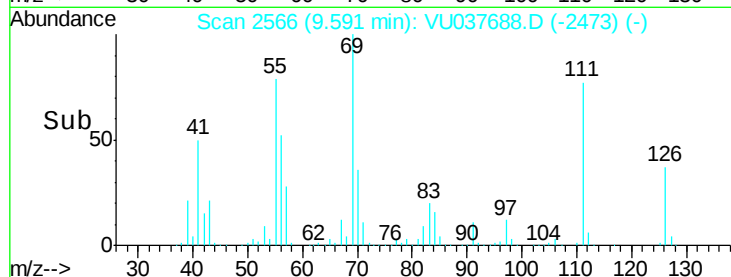
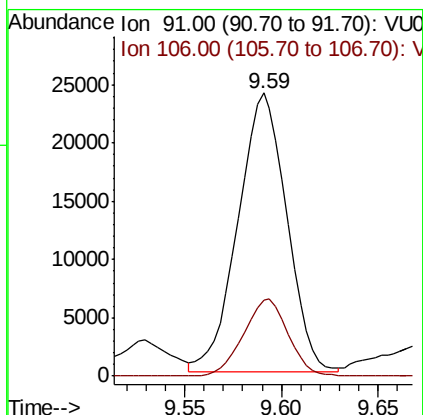
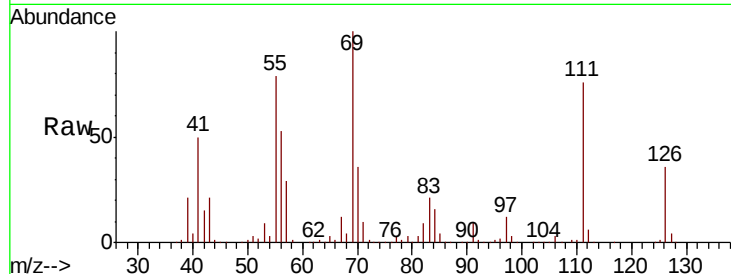




#52
Ethylbenzene
Concen: 1.842 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

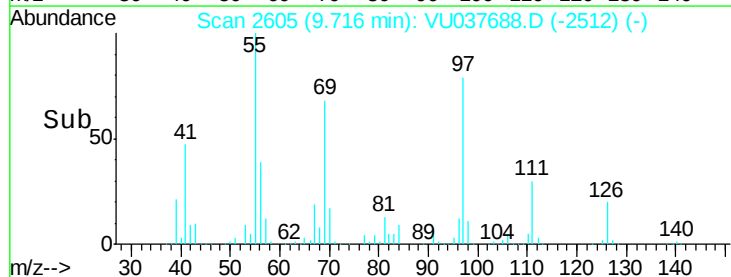
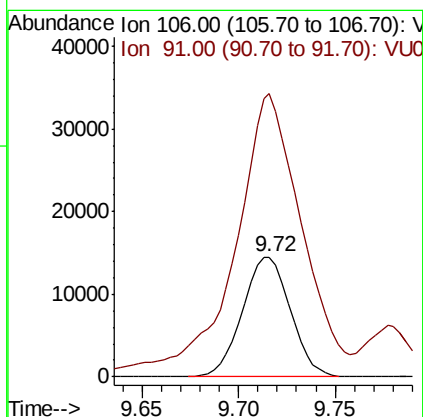
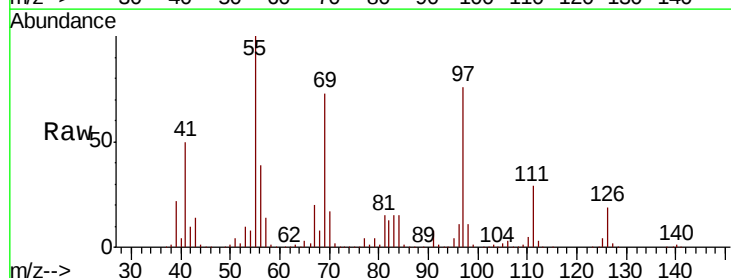
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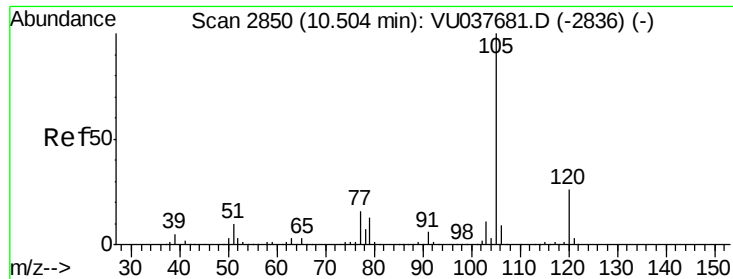
Tot Ion: 91 Resp: 42081
Ion Ratio Lower Upper
91 100
106 26.9 21.6 40.0



#53
m,p-Xylene
Concen: 2.892 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037688.D
Acq: 13 Apr 2020 16:58

Tgt Ion: 106 Resp: 25083
Ion Ratio Lower Upper
106 100
91 235.8 140.8 261.6





#56

Isopropylbenzene

Concen: 19.776 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037688.D

Acq: 13 Apr 2020 16:58

Instrument :

MSVOA_U

ClientSampleId :

BG2J0ME

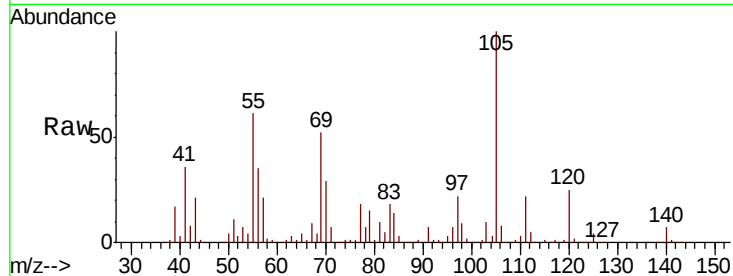
Tot Ion:105 Resp: 442916

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

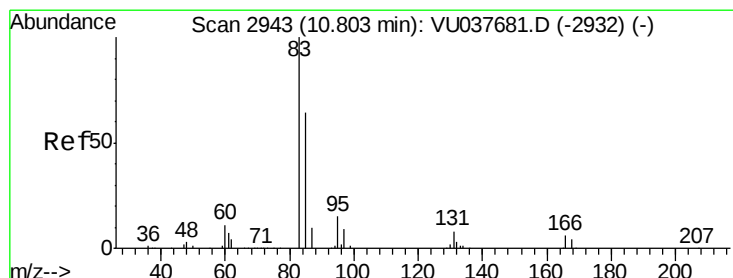
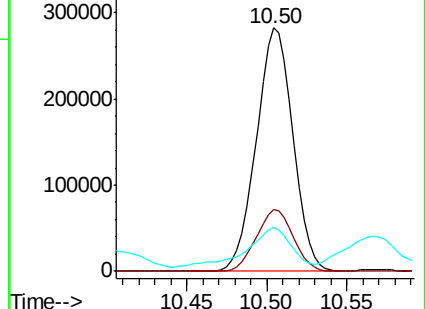
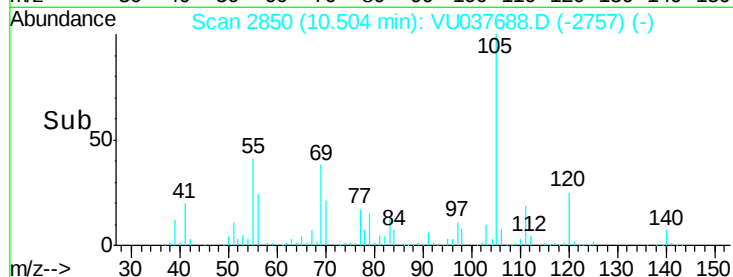
77 18.8 12.7 19.1



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: 76.835 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.02 min

Lab File: VU037688.D

Acq: 13 Apr 2020 16:58

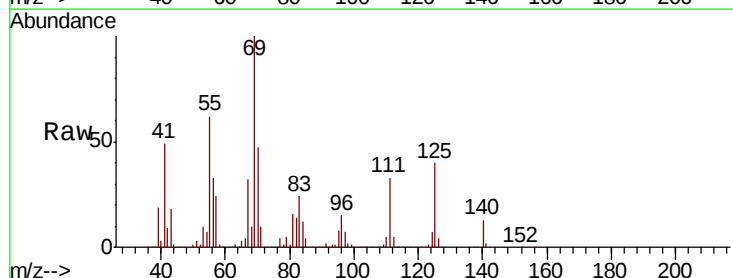
Tgt Ion: 83 Resp: 645087

Ion Ratio Lower Upper

83 100

85 15.6 44.2 82.2#

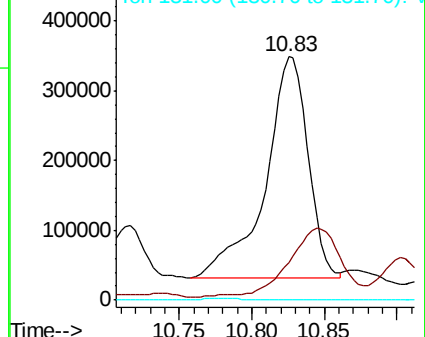
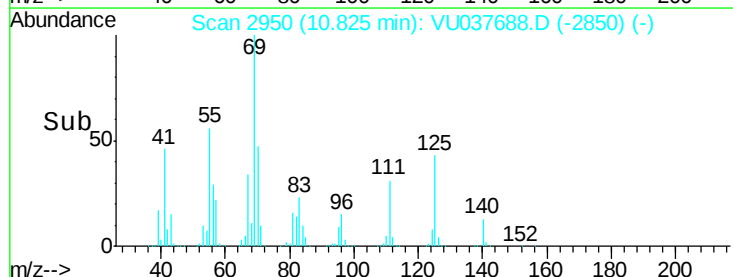
131 0.0 7.6 11.4#

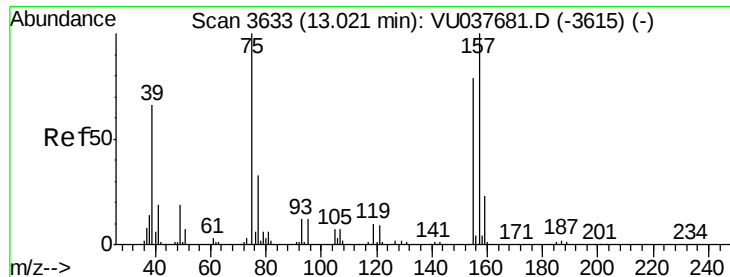


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

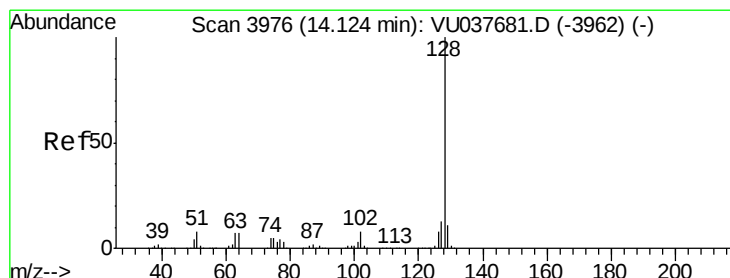
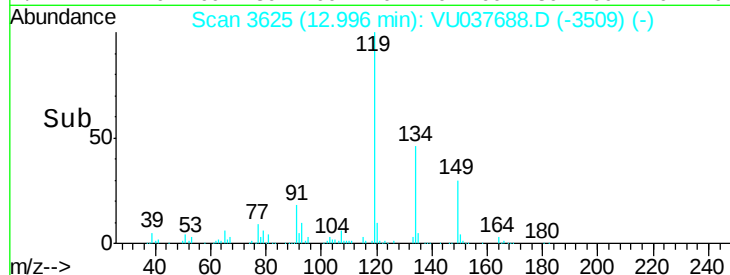
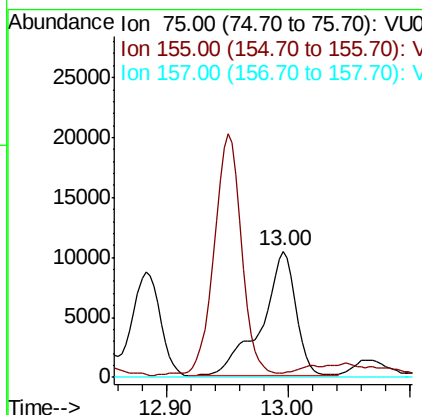
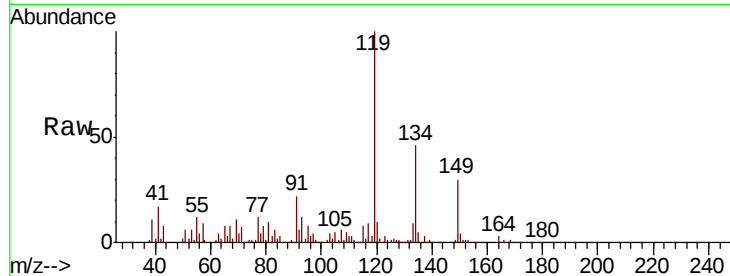




#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.486 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. -0.03 min
 Lab File: VU037688.D
 Acq: 13 Apr 2020 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BG2J0ME

Tot Ion: 75 Resp: 20574
 Ion Ratio Lower Upper
 75 100
 155 3.8 60.9 91.3#
 157 0.0 78.8 118.2#



#69
 Naphthalene
 Concen: 1.669 ug/L
 RT: 14.09 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VU037688.D
 Acq: 13 Apr 2020 16:58

Tgt Ion: 128 Resp: 52287
 Ion Ratio Lower Upper
 128 100
 127 31.4 10.5 15.7#
 129 83.6 8.6 13.0#

