

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039440.D
 Acq On : 10 Jul 2020 19:10
 Operator : SY/MD
 Sample : L3244-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:54:17 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	92226	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85304	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40564	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22320	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.92	69	27249	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	63	34491	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.65	46	145556	59.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.02%
24) Chloroform-d	5.09	84	58258	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.72	65	37467	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	105462	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.71	67	39127	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.91	98	91191	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.19	79	15624	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.64	63	102712	54.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.70%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38305	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	39271	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

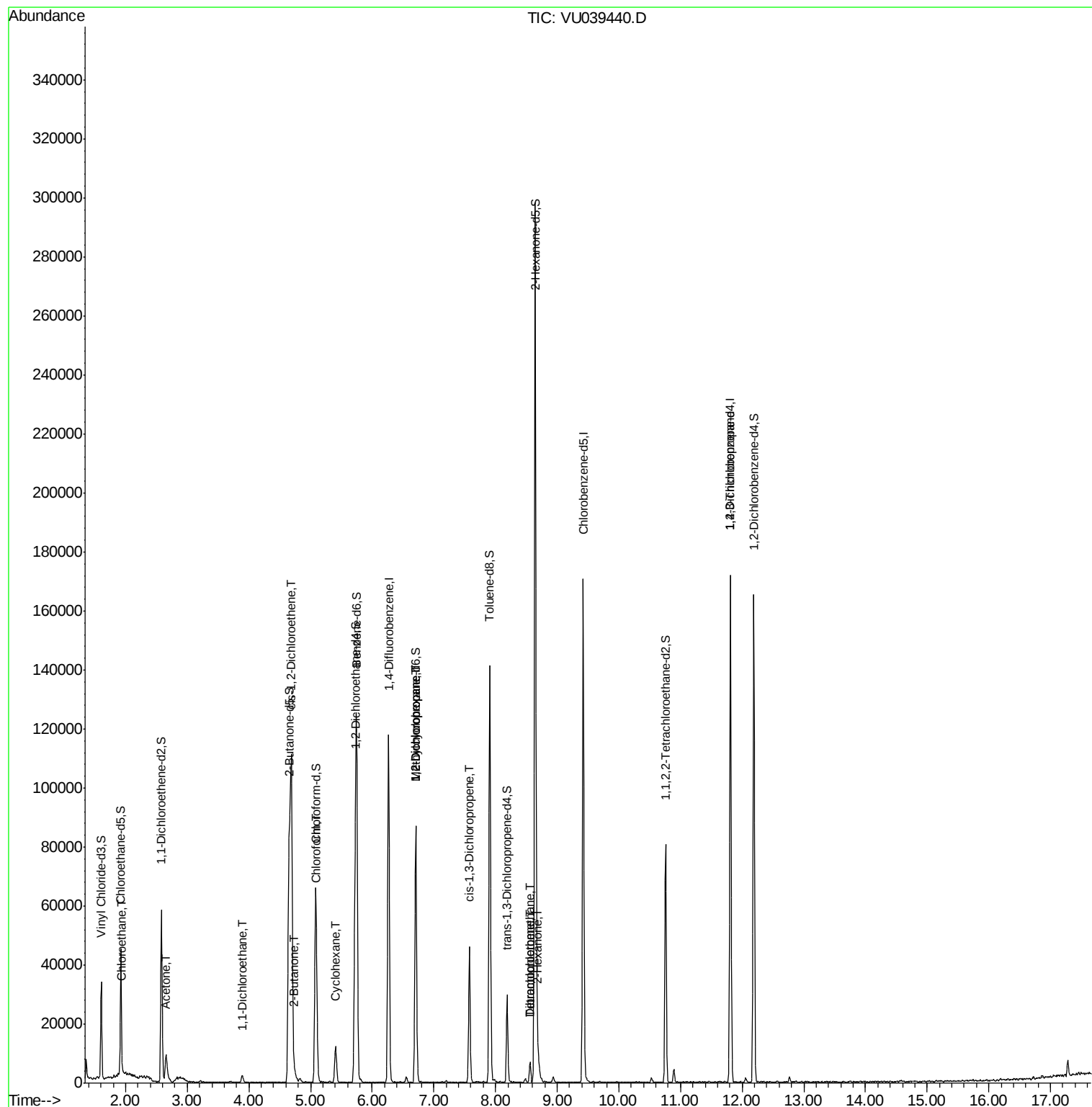
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	419	0.077	ug/L #	68
13) Acetone	2.66	43	15592	11.811	ug/L	98
19) 1,1-Dichloroethane	3.89	63	3519	0.296	ug/L	96
21) 2-Butanone	4.74	43	2859	1.213	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	43367	6.369	ug/L	99
25) Chloroform	5.11	83	3536	0.295	ug/L	94
30) Cyclohexane	5.41	56	6313	0.597	ug/L	94
35) Methylcyclohexane	6.71	83	8659	0.820	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4815	0.693	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1349	0.128	ug/L	87
47) Tetrachloroethene	8.56	164	1535	0.335	ug/L	86
48) 2-Hexanone	8.69	43	4519	1.057	ug/L #	85
49) Dibromochloromethane	8.56	129	1258	0.208	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6550	1.278	ug/L	90

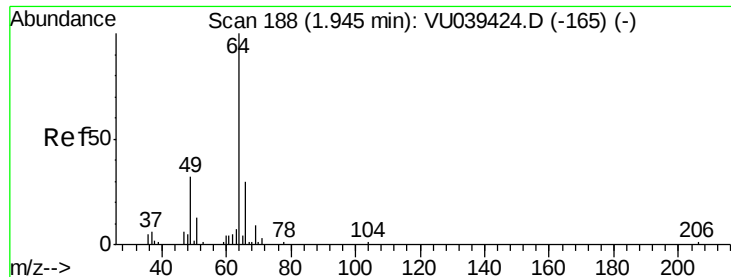
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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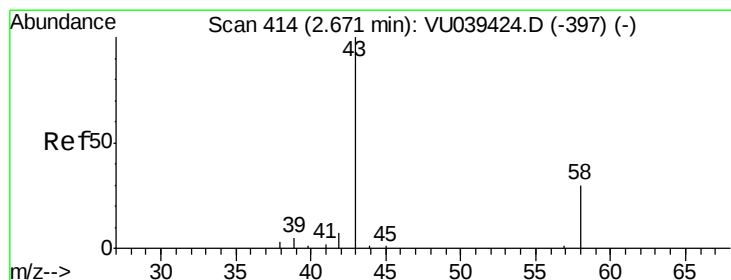
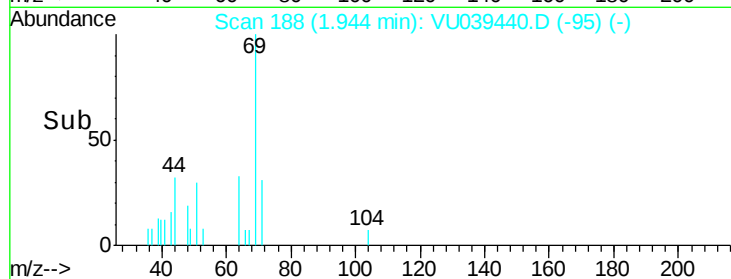
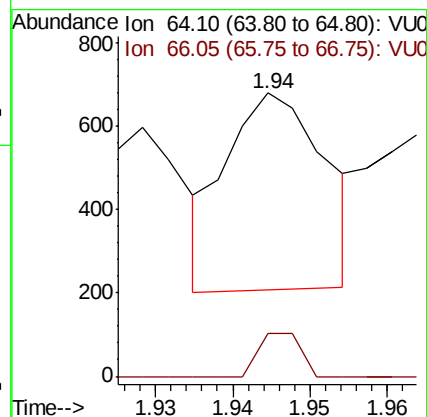
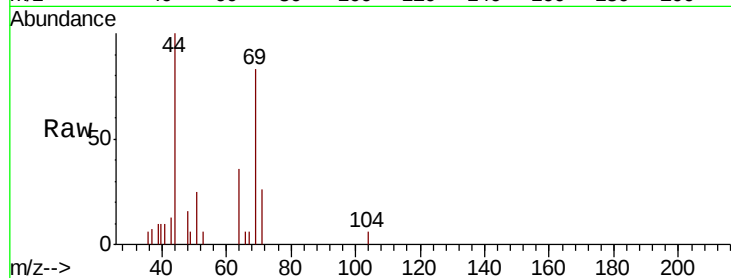




#8
Chloroethane
Concen: 0.077 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039440.D
Acq: 10 Jul 2020 19:10

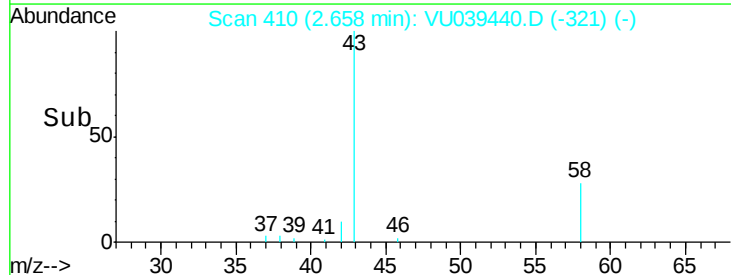
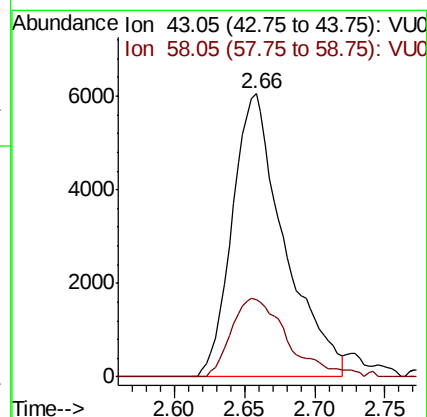
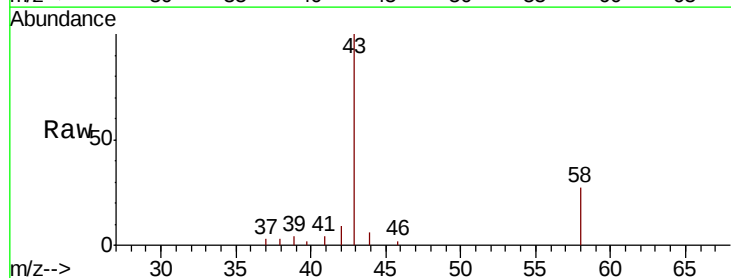
Instrument :
MSVOA_U
ClientSampleId :

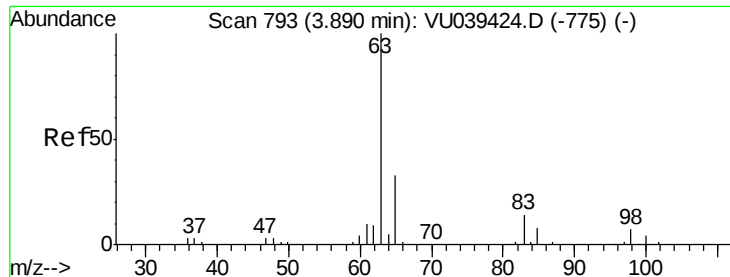
Tot Ion: 64 Resp: 419
Ion Ratio Lower Upper
64 100
66 15.2 23.5 43.7#



#13
Acetone
Concen: 11.811 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.01 min
Lab File: VU039440.D
Acq: 10 Jul 2020 19:10

Tgt Ion: 43 Resp: 15592
Ion Ratio Lower Upper
43 100
58 30.1 0.0 62.8

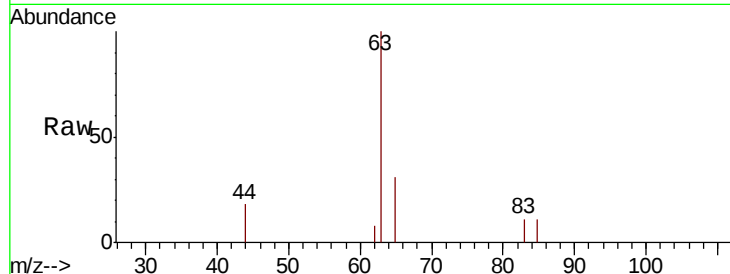




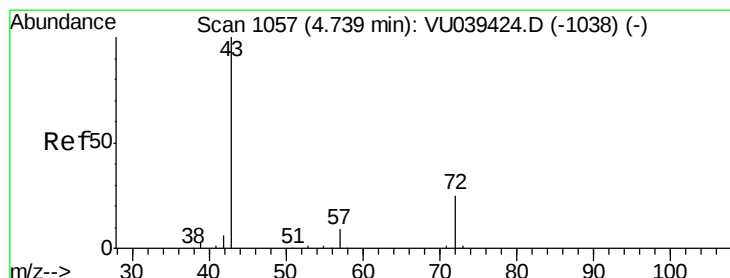
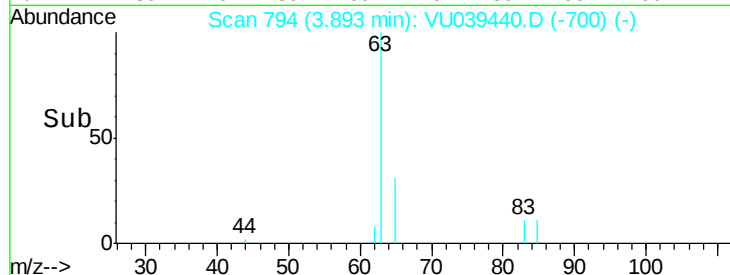
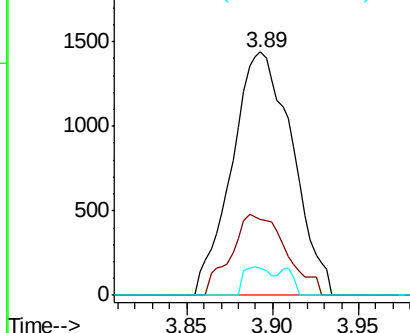
#19
 1,1-Dichloroethane
 Concen: 0.296 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 3519
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.0 42.6
 83 11.5 9.6 17.8

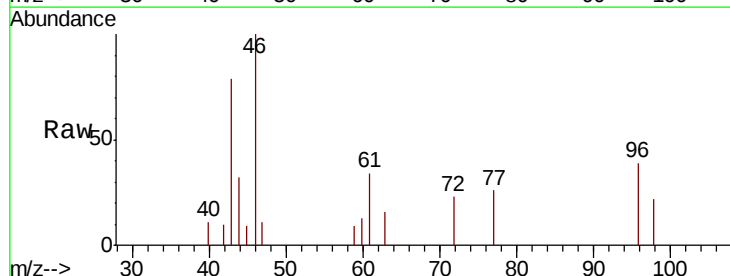


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

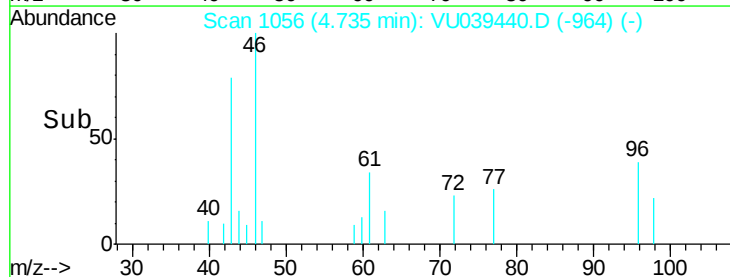
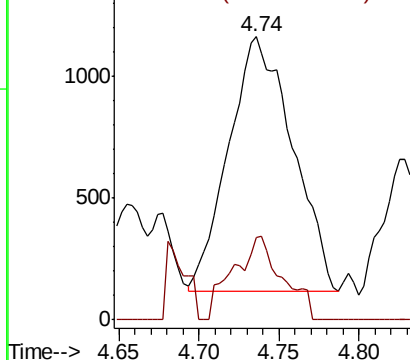


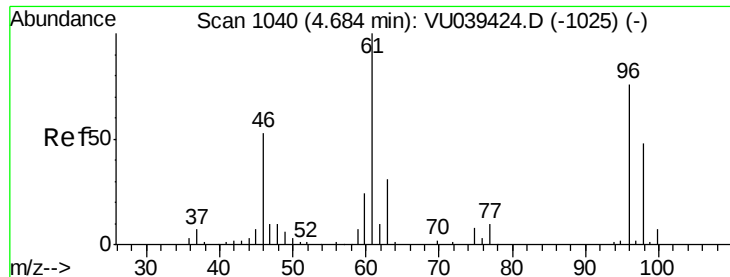
#21
 2-Butanone
 Concen: 1.213 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

Tgt Ion: 43 Resp: 2859
 Ion Ratio Lower Upper
 43 100
 72 25.3 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

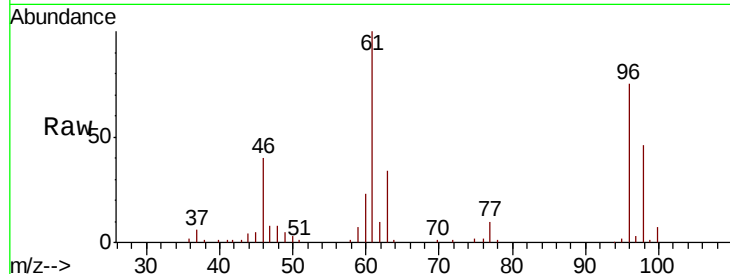




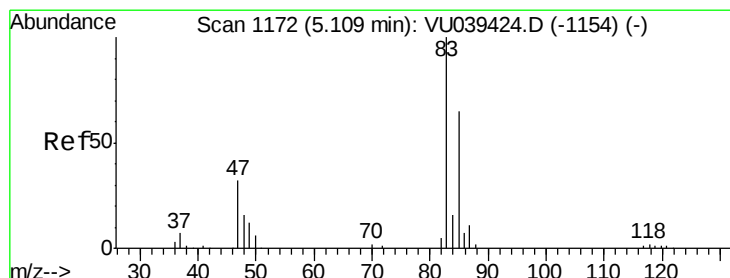
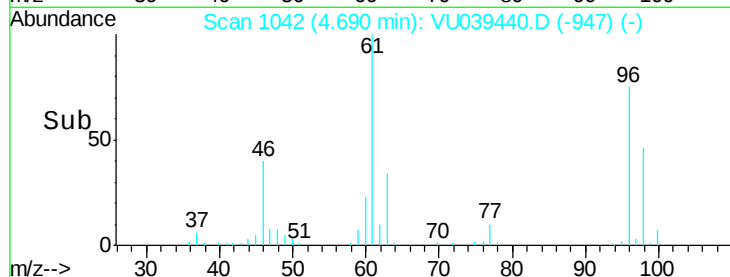
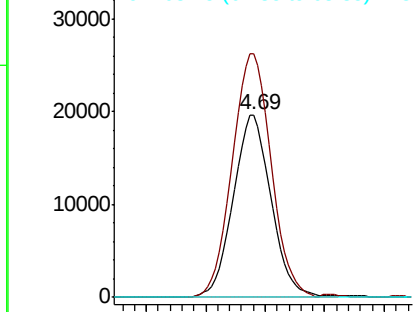
#22
 cis-1,2-Dichloroethene
 Concen: 6.369 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 43367
 Ion Ratio Lower Upper
 96 100
 61 133.3 92.8 172.4
 68 0.0 0.0 0.0

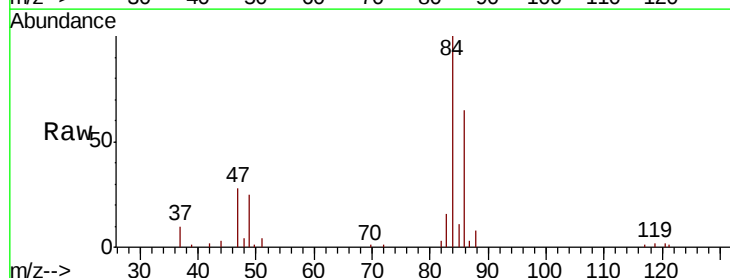


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

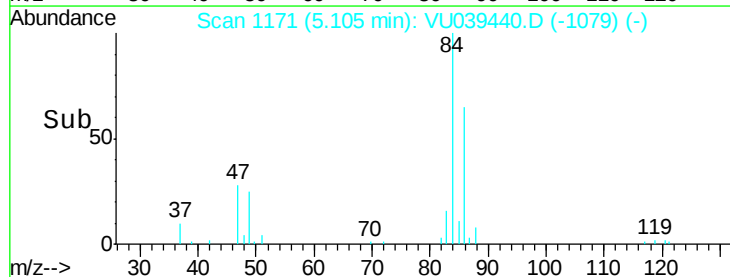
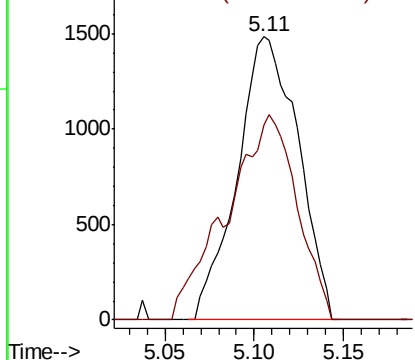


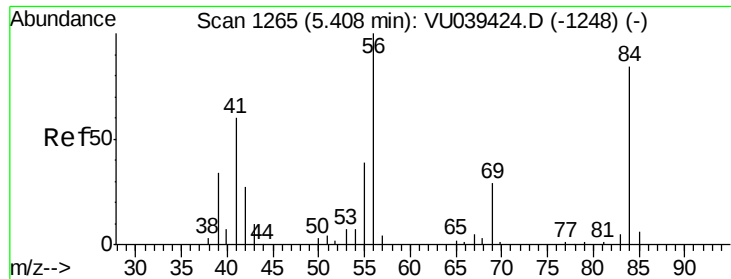
#25
 Chloroform
 Concen: 0.295 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

Tgt Ion: 83 Resp: 3536
 Ion Ratio Lower Upper
 83 100
 85 68.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

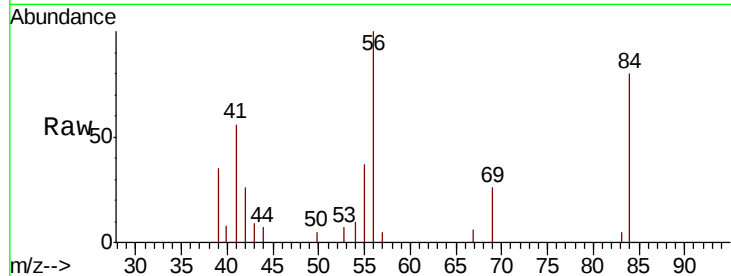




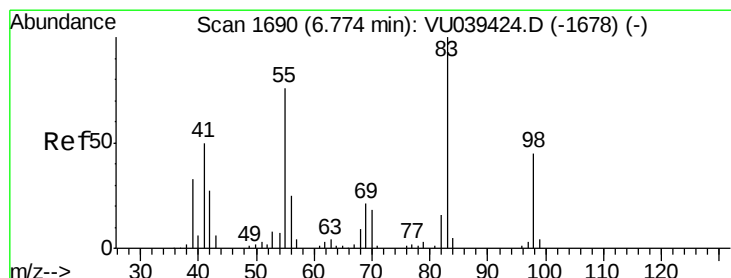
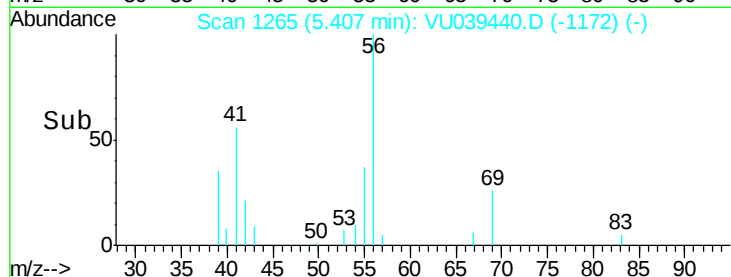
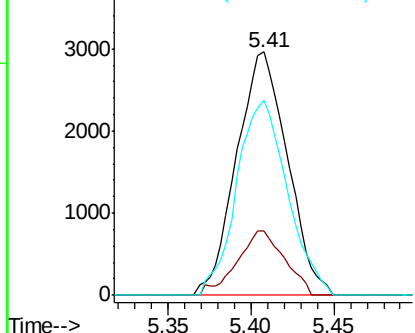
#30
Cyclohexane
Concen: 0.597 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039440.D
Acq: 10 Jul 2020 19:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 24.7 24.1 36.1
84 80.0 67.0 100.6

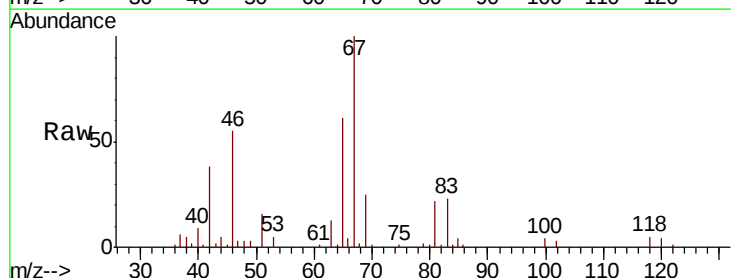


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

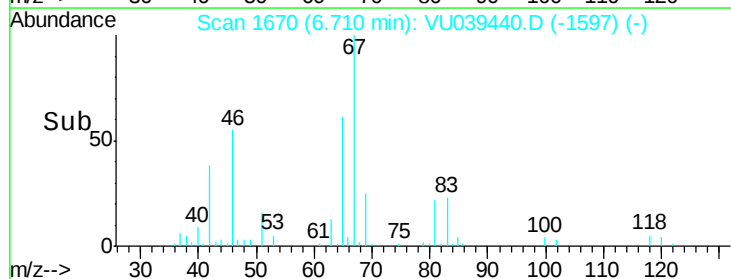
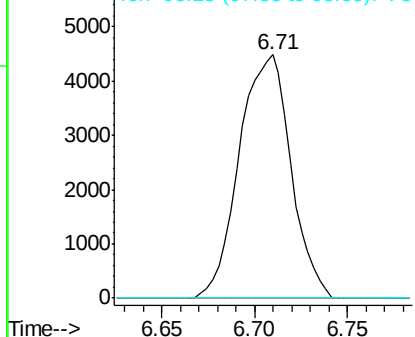


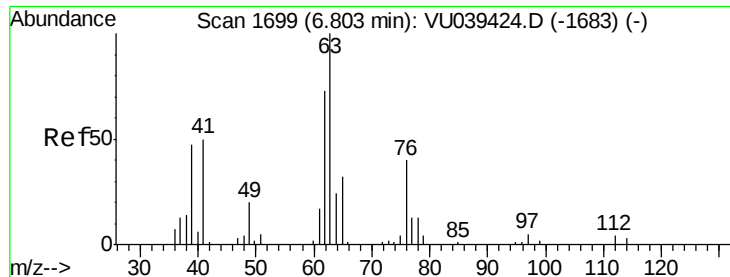
#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.06 min
Lab File: VU039440.D
Acq: 10 Jul 2020 19:10

Tgt Ion: 83 Resp: 8659
Ion Ratio Lower Upper
83 100
55 0.0 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

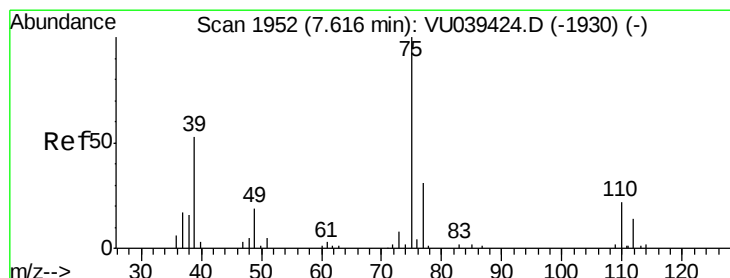
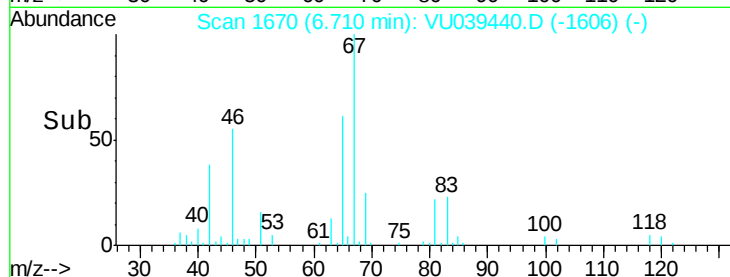
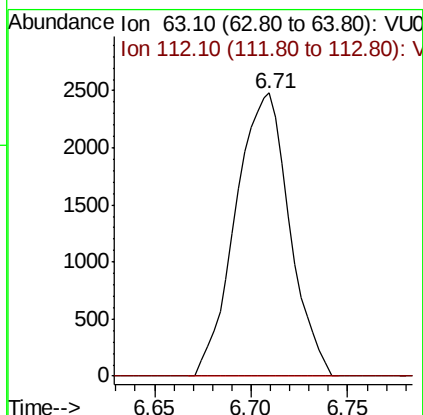
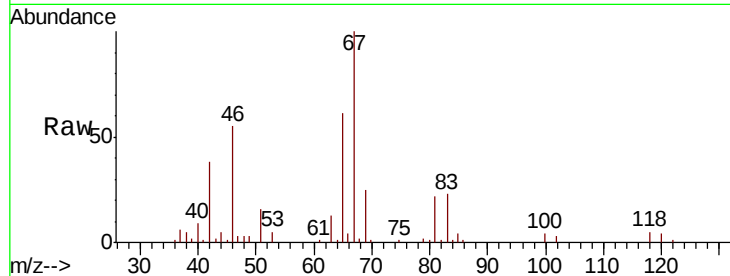




#37
 1,2-Dichloropropane
 Concen: 0.693 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.09 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

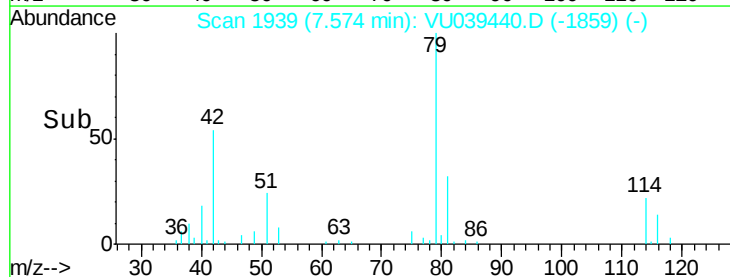
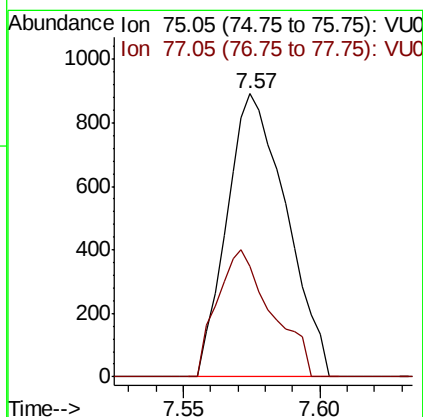
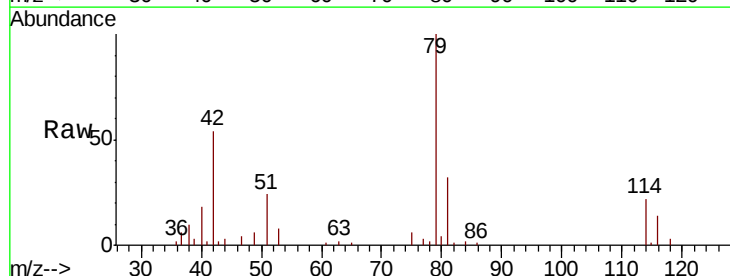
Instrument :
 MSVOA_U
 ClientSampled :

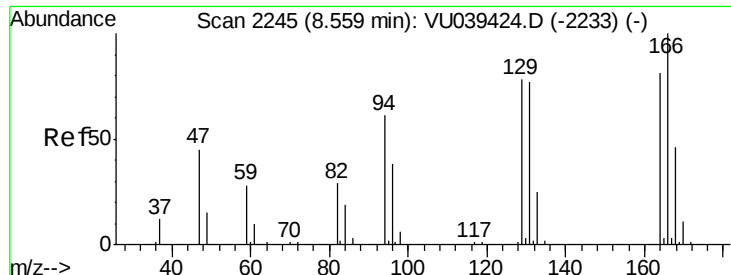
Tot Ion: 63 Resp: 4815
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039440.D
 Acq: 10 Jul 2020 19:10

Tgt Ion: 75 Resp: 1349
 Ion Ratio Lower Upper
 75 100
 77 39.1 22.3 41.3





#47

Tetrachloroethene

Concen: 0.335 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039440.D

Acq: 10 Jul 2020 19:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1535

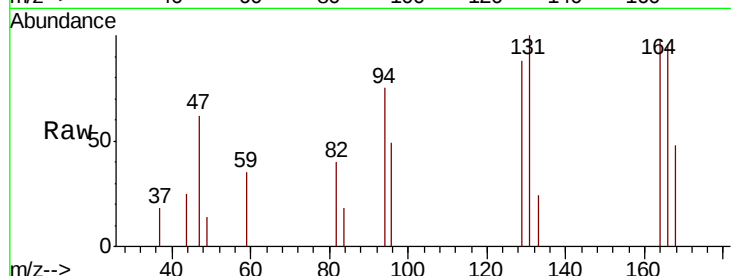
Ion Ratio Lower Upper

164 100

129 89.5 68.6 127.4

131 101.8 66.4 123.4

166 97.4 85.9 159.5

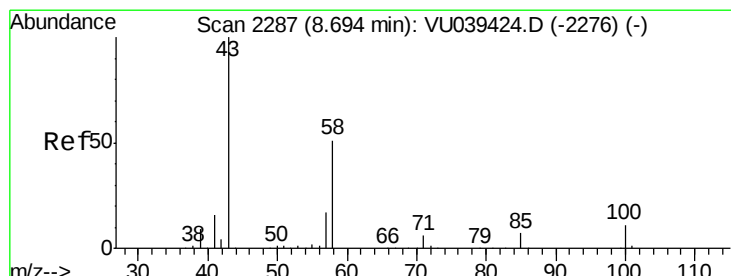
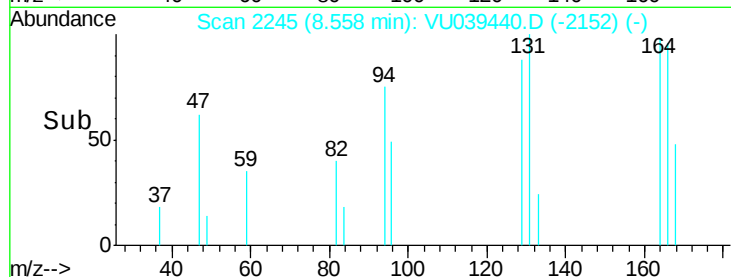
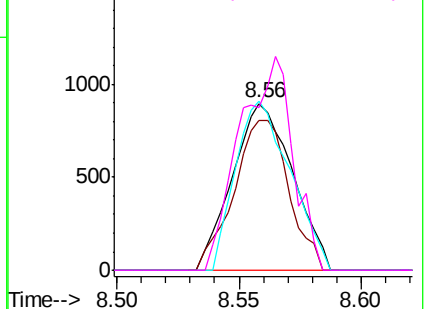


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.057 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039440.D

Acq: 10 Jul 2020 19:10

Tgt Ion: 43 Resp: 4519

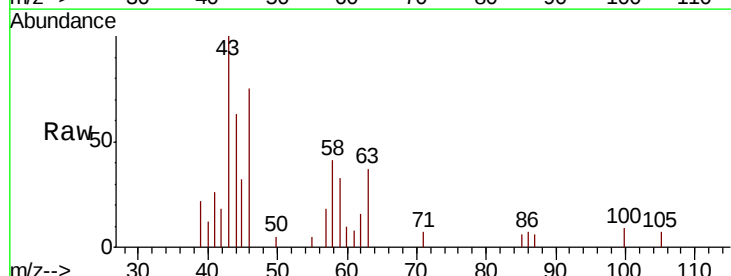
Ion Ratio Lower Upper

43 100

58 38.6 42.0 63.0#

57 15.5 14.0 21.0

100 5.4 8.2 12.2#

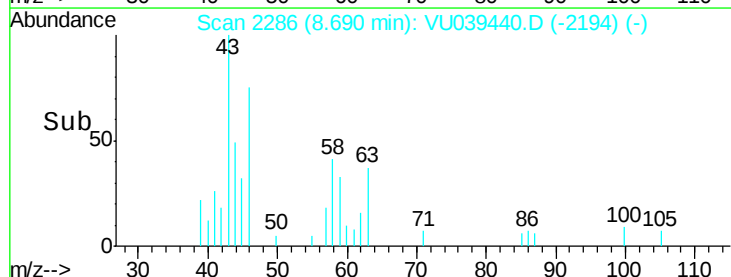
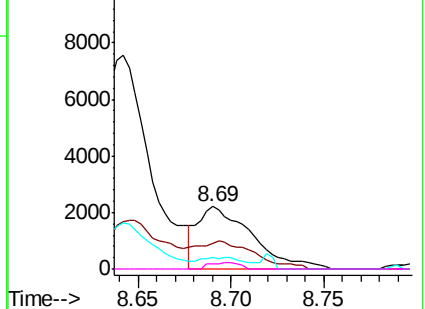


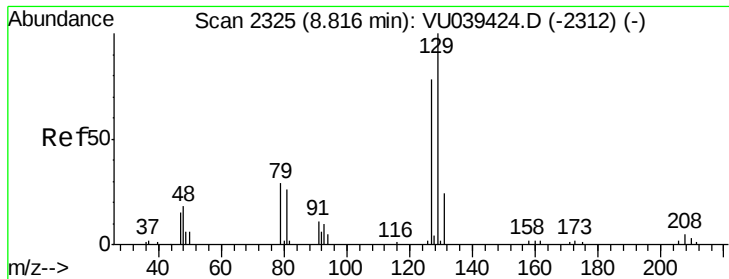
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.208 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039440.D

Acq: 10 Jul 2020 19:10

Instrument :

MSVOA_U

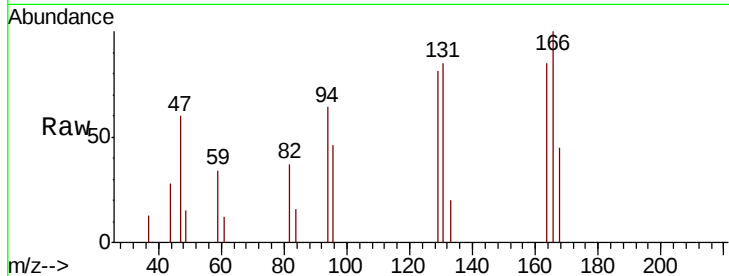
ClientSampleId :

Tot Ion:129 Resp: 1258

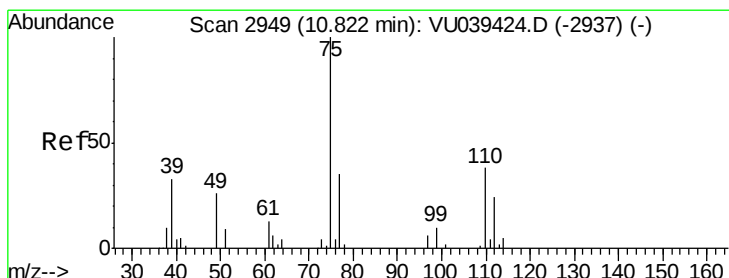
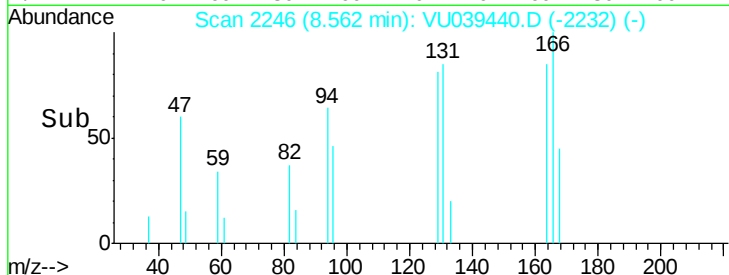
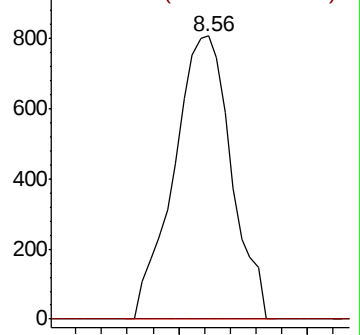
Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 1.278 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039440.D

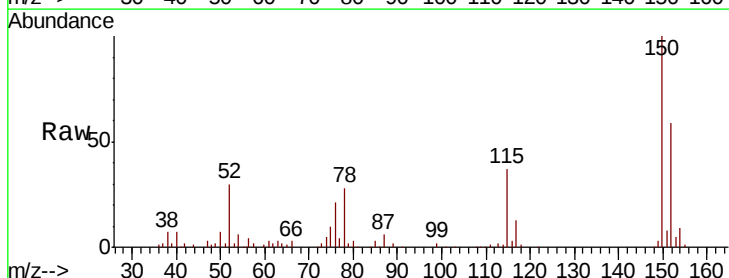
Acq: 10 Jul 2020 19:10

Tgt Ion: 75 Resp: 6550

Ion Ratio Lower Upper

75 100

77 39.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

