

Data File : VU037340.D
Acq On : 19 Mar 2020 14:32
Operator : JC/MD
Sample : L1983-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA8

Quant Time: Mar 20 02:01:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 20 01:58:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	134645	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	130946	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	252	0.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.80%#
7) Chloroethane-d5	1.93	69	30937	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.59	63	8300	0.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	10.80%#
20) 2-Butanone-d5	4.67	46	109987	51.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.80%
24) Chloroform-d	5.11	84	85382	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.74	65	49216	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.76	84	141668	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.72	67	46670	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.92	98	2823	0.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	2.00%#
43) trans-1,3-Dichloropropene-	8.21	79	3891	0.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	19.20%#
46) 2-Hexanone-d5	8.66	63	87076	48.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.38%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	41544	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	55190	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

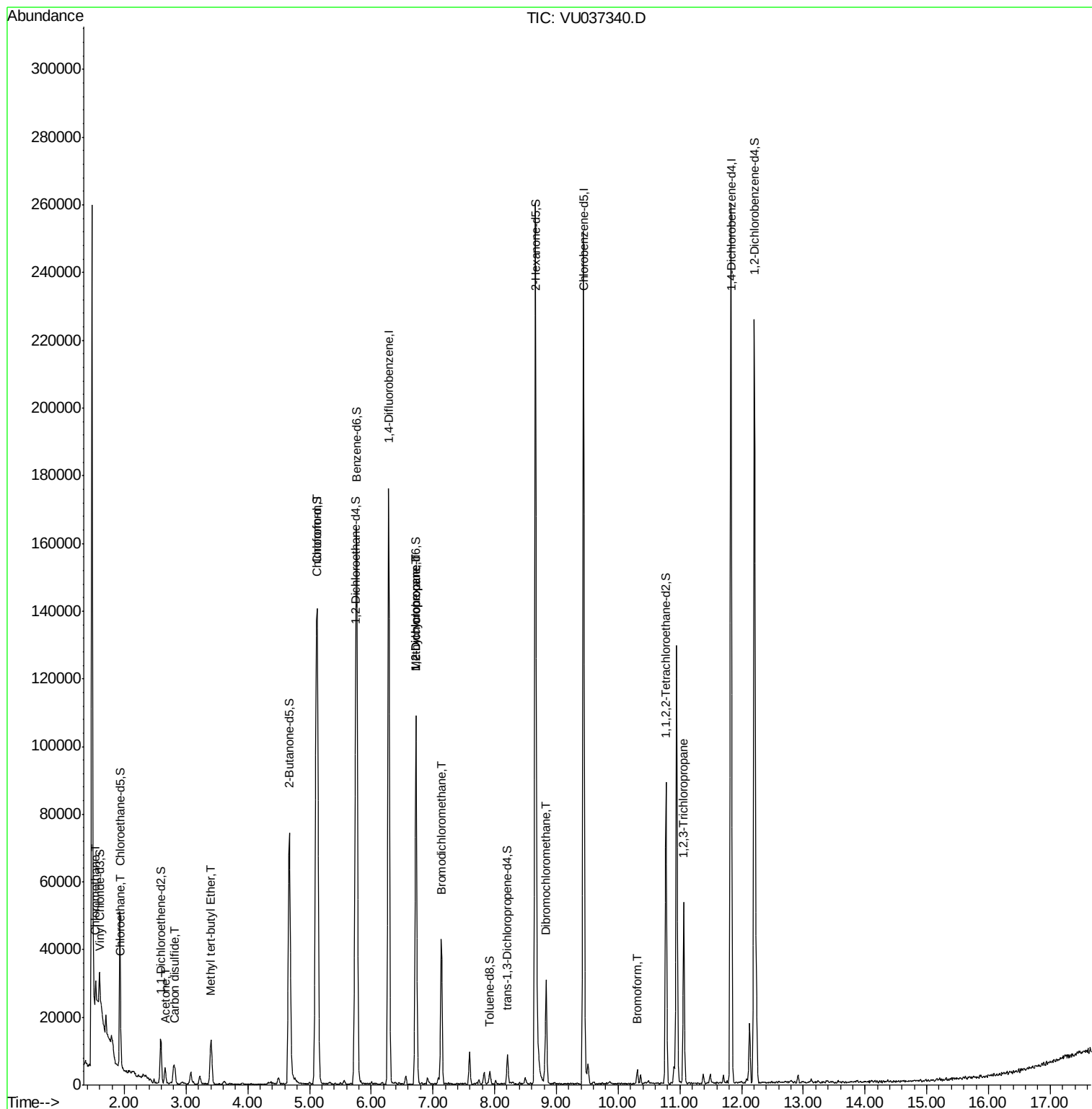
					Qvalue
3) Chloromethane	1.54	50	5264	0.344 ug/L	96
8) Chloroethane	1.95	64	553	0.070 ug/L #	66
13) Acetone	2.66	43	5877	3.278 ug/L	94
14) Carbon disulfide	2.82	76	4766	0.171 ug/L #	93
17) Methyl tert-butyl Ether	3.41	73	14187	0.572 ug/L	97
25) Chloroform	5.13	83	95404	4.677 ug/L	96
35) Methylcyclohexane	6.72	83	11745	0.723 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	5870	0.564 ug/L #	88
38) Bromodichloromethane	7.14	83	26119	1.785 ug/L	98
49) Dibromochloromethane	8.83	129	15290	1.563 ug/L	97
59) 1,2,3-Trichloropropane	11.06	75	764	0.103 ug/L	100
61) Bromoform	10.31	173	1777	0.304 ug/L #	92

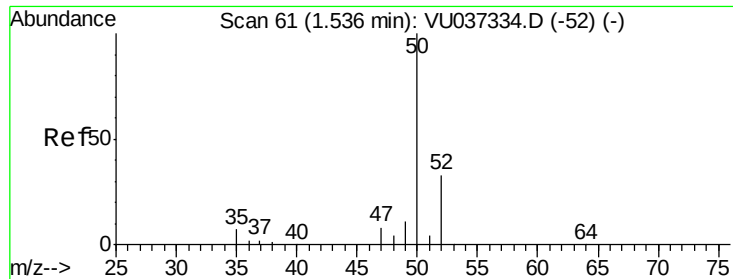
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.344 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

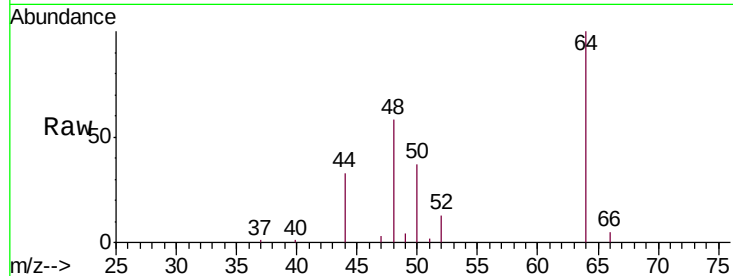
C0AA8

Tgt Ion: 50 Resp: 5264

Ion Ratio Lower Upper

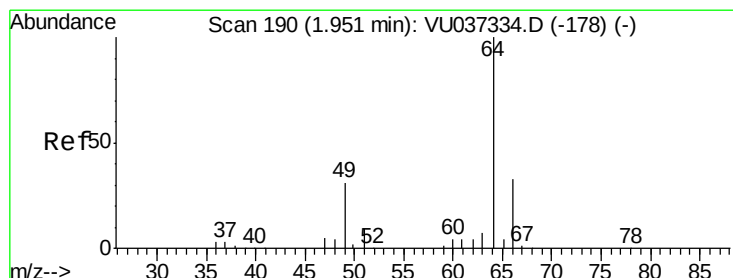
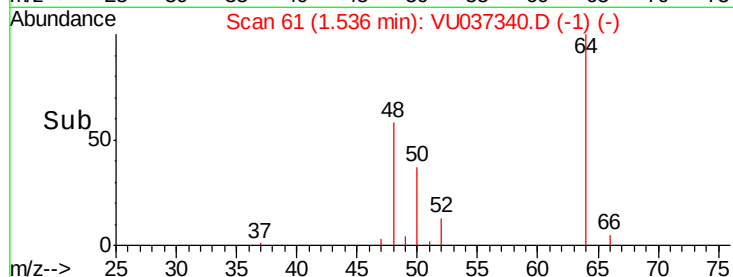
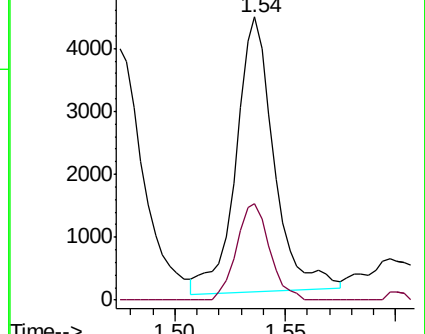
50 100

52 33.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037334.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037334.D (-52) (-)



#8

Chloroethane

Concen: 0.070 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037340.D

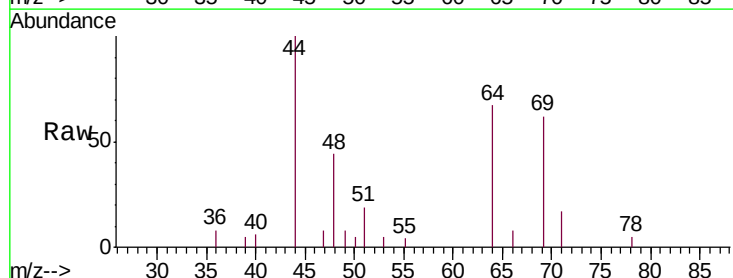
Acq: 19 Mar 2020 14:32

Tgt Ion: 64 Resp: 553

Ion Ratio Lower Upper

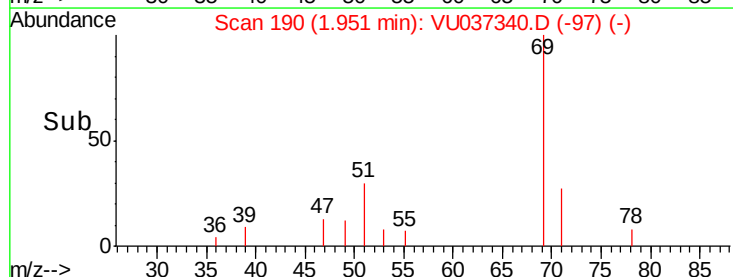
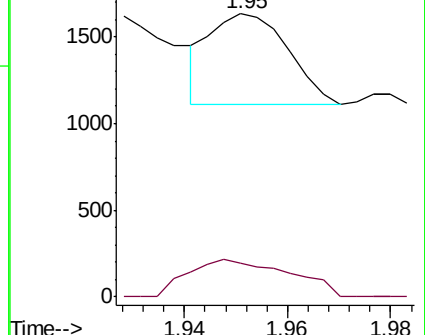
64 100

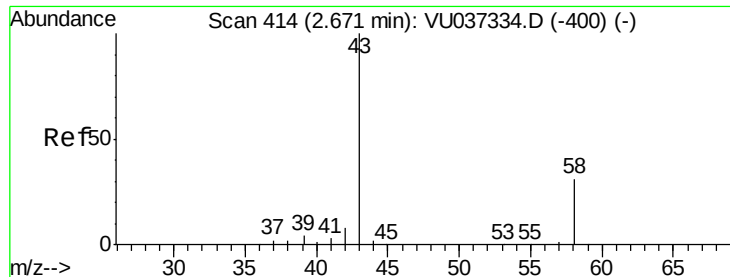
66 12.1 21.7 40.3#



Abundance Ion 64.10 (63.80 to 64.80): VU037334.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037334.D (-178) (-)





#13

Acetone

Concen: 3.278 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

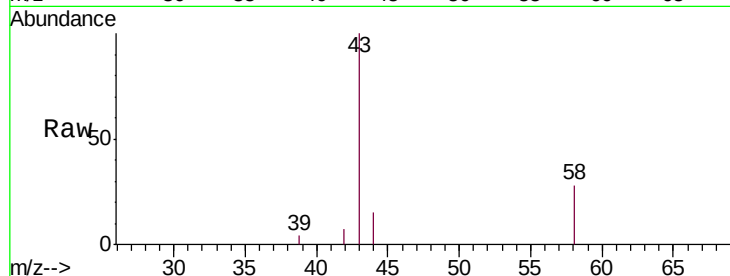
C0AA8

Tgt Ion: 43 Resp: 5877

Ion Ratio Lower Upper

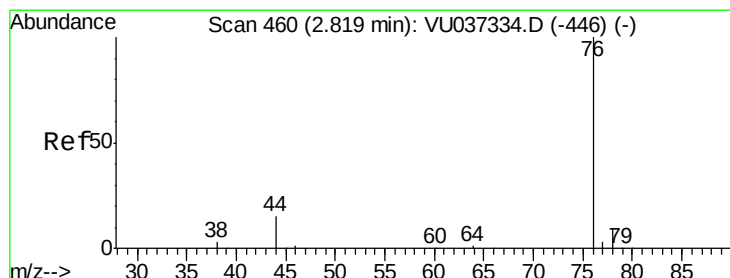
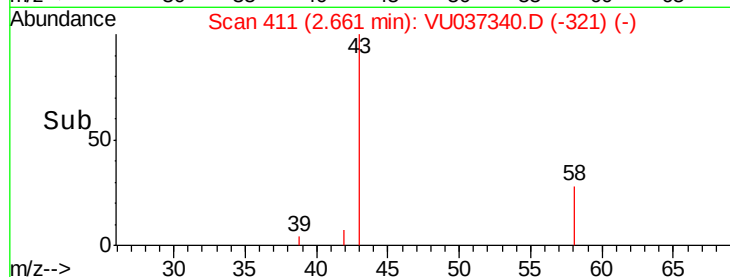
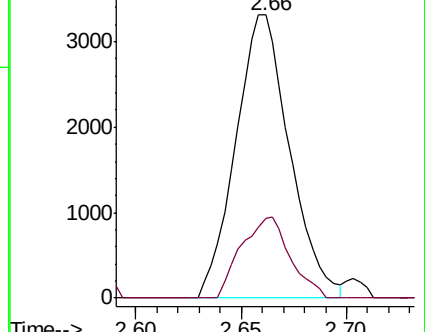
43 100

58 26.0 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037334.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037334.D (-400) (-)



#14

Carbon disulfide

Concen: 0.171 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037340.D

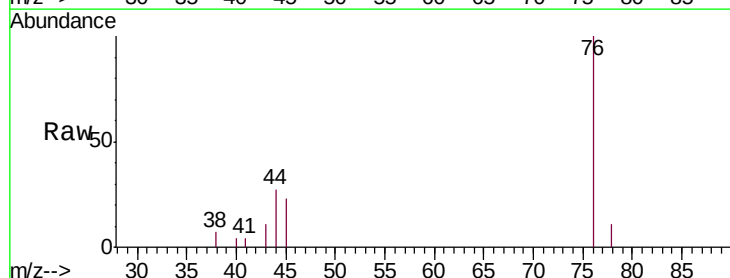
Acq: 19 Mar 2020 14:32

Tgt Ion: 76 Resp: 4766

Ion Ratio Lower Upper

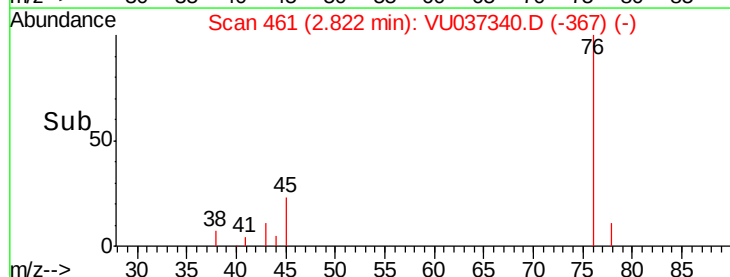
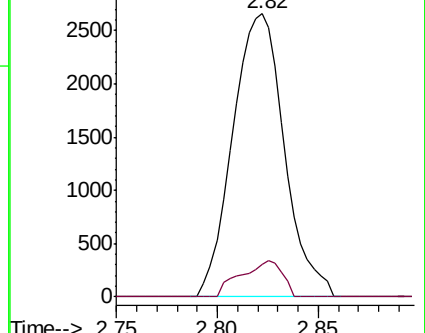
76 100

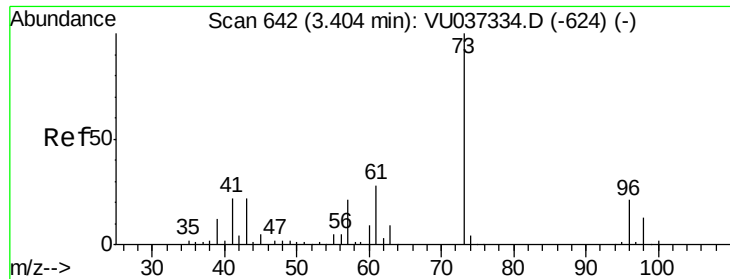
78 11.4 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU037334.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037334.D (-446) (-)

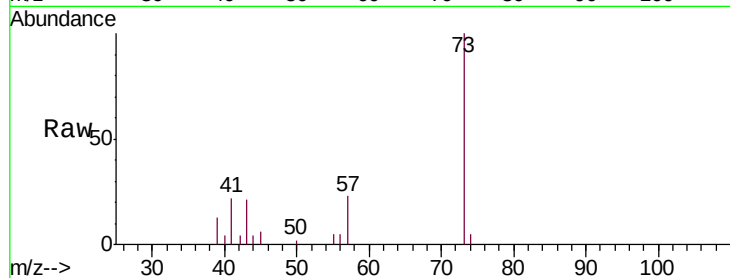




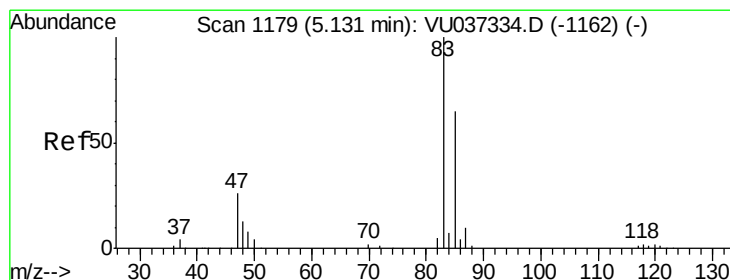
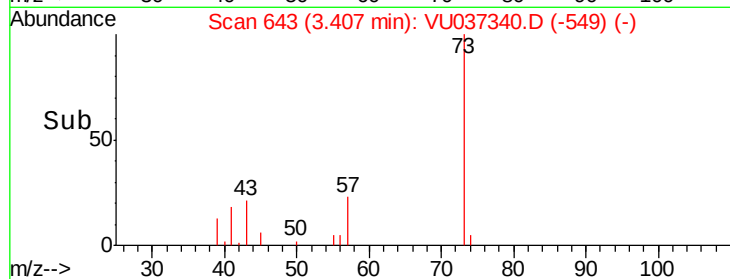
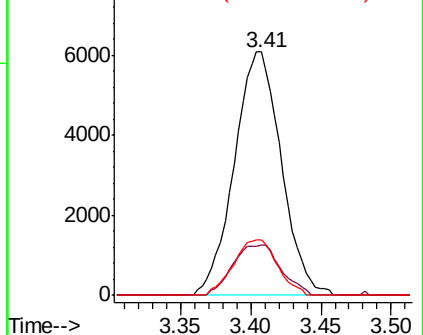
#17
Methyl tert-butyl Ether
Concen: 0.572 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU037340.D
Acq: 19 Mar 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
C0AA8

Tgt Ion: 73 Resp: 14187
Ion Ratio Lower Upper
73 100
43 21.2 18.6 28.0
57 21.1 17.1 25.7

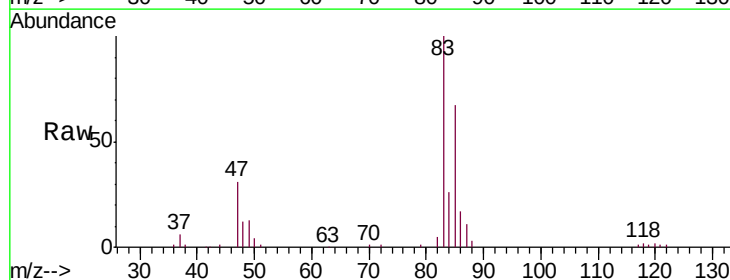


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

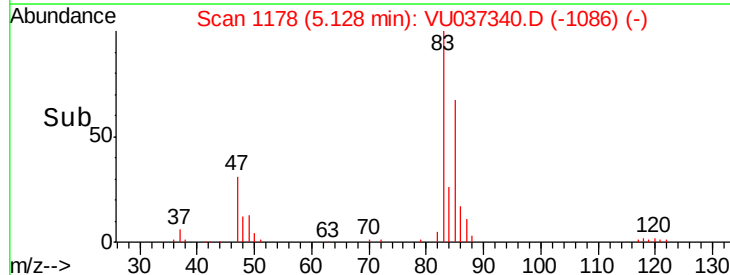
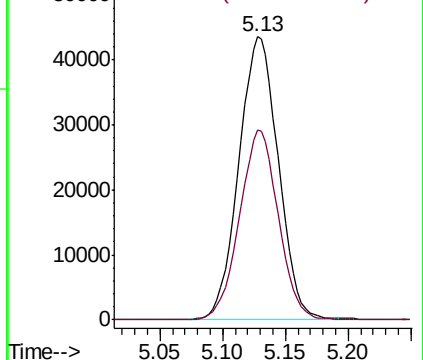


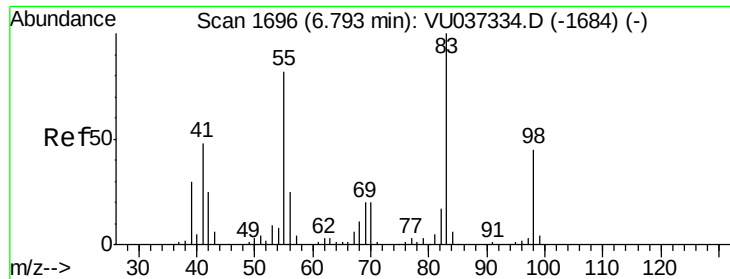
#25
Chloroform
Concen: 4.677 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037340.D
Acq: 19 Mar 2020 14:32

Tgt Ion: 83 Resp: 95404
Ion Ratio Lower Upper
83 100
85 67.0 44.7 82.9



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

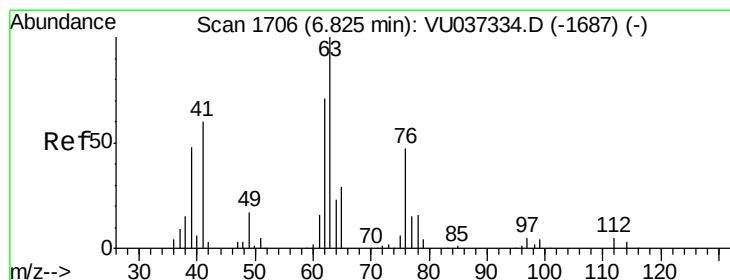
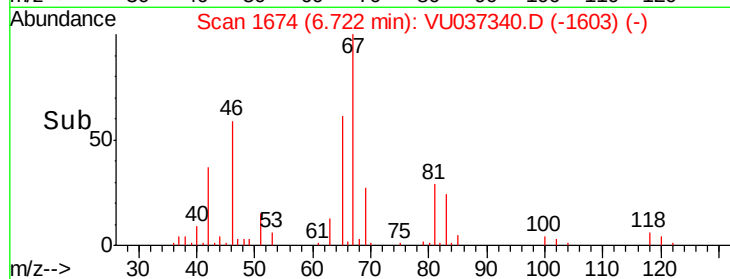
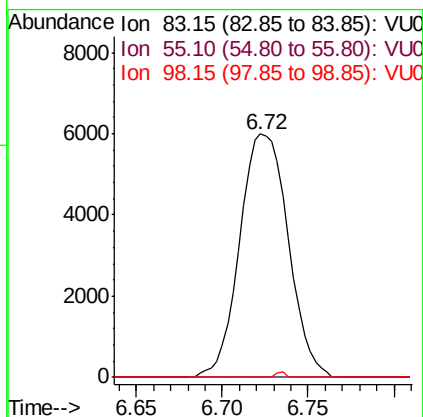
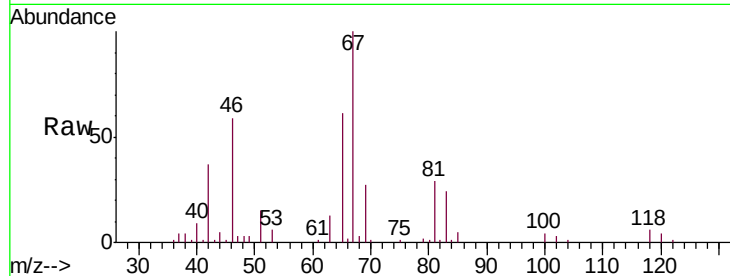




#35
Methylcyclohexane
Concen: 0.723 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037340.D
Acq: 19 Mar 2020 14:32

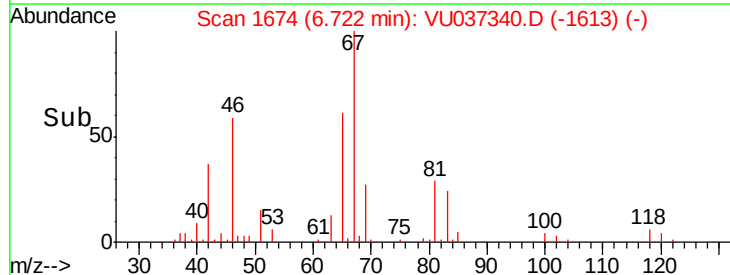
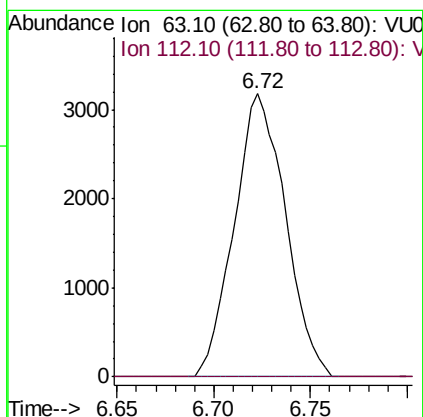
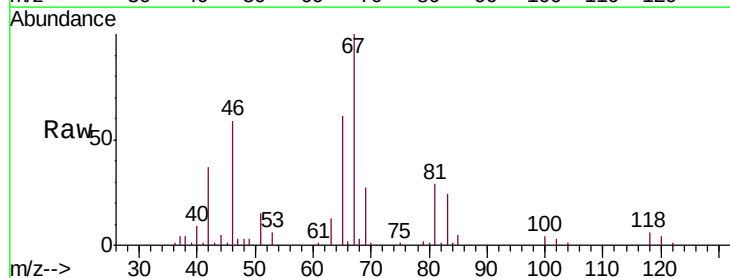
Instrument :
MSVOA_U
ClientSampleId :
C0AA8

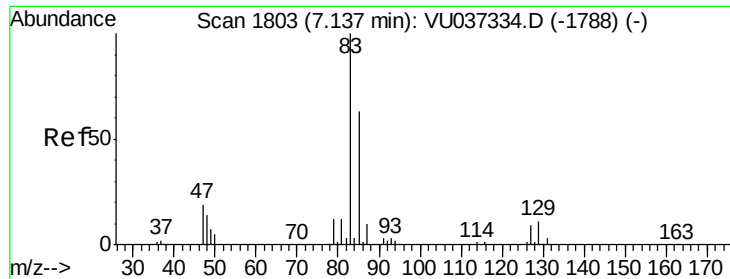
Tgt Ion: 83 Resp: 11745
Ion Ratio Lower Upper
83 100
55 0.0 67.0 100.6#
98 0.4 37.4 56.0#



#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037340.D
Acq: 19 Mar 2020 14:32

Tgt Ion: 63 Resp: 5870
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38

Bromodichloromethane

Concen: 1.785 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

C0AA8

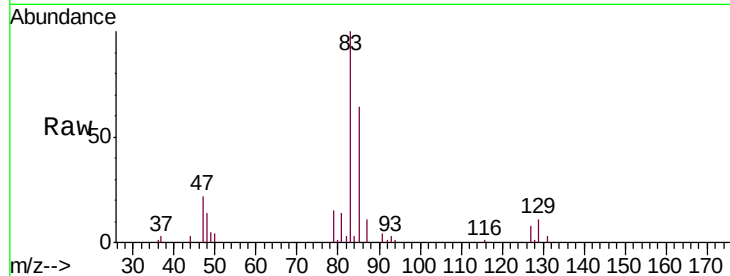
Tgt Ion: 83 Resp: 26119

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

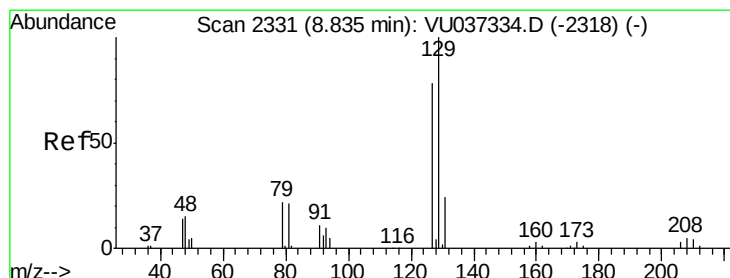
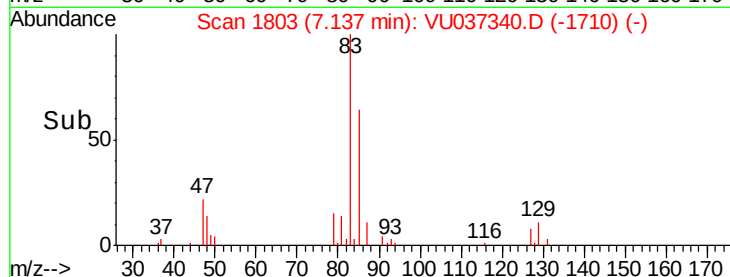
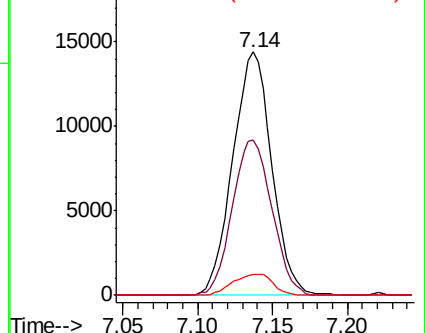
127 8.5 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037340.D (-1710) (-)

Ion 85.00 (84.70 to 85.70): VU037340.D (-1710) (-)

Ion 126.90 (126.60 to 127.60): VU037340.D (-1710) (-)



#49

Dibromochloromethane

Concen: 1.563 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037340.D

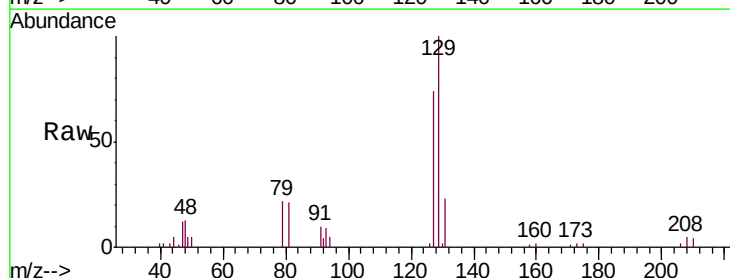
Acq: 19 Mar 2020 14:32

Tgt Ion: 129 Resp: 15290

Ion Ratio Lower Upper

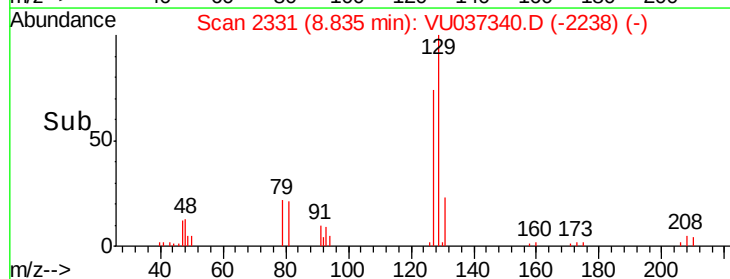
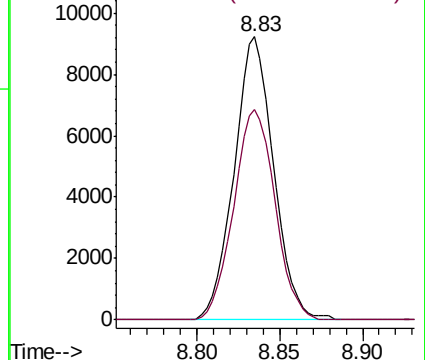
129 100

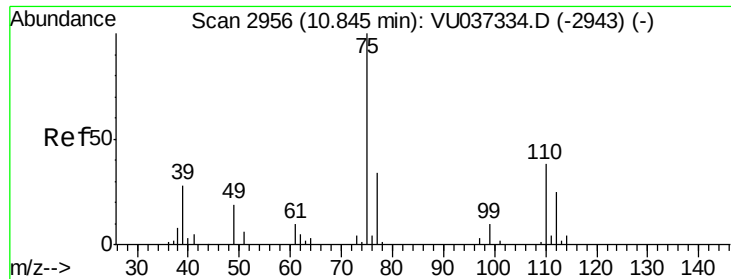
127 74.2 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VU037340.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU037340.D (-2238) (-)

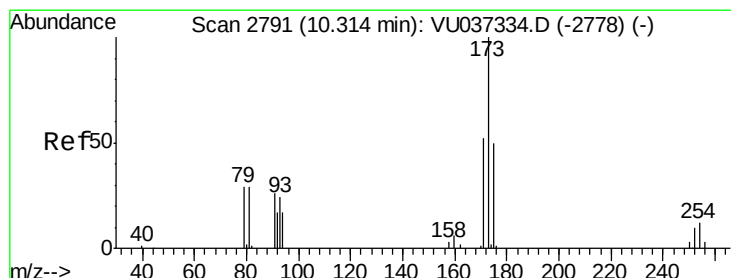
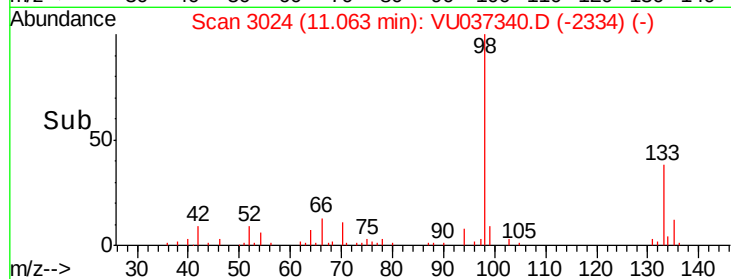
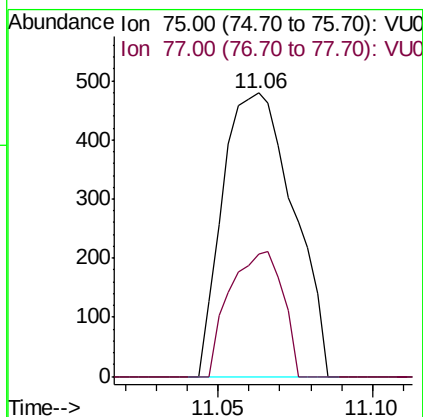
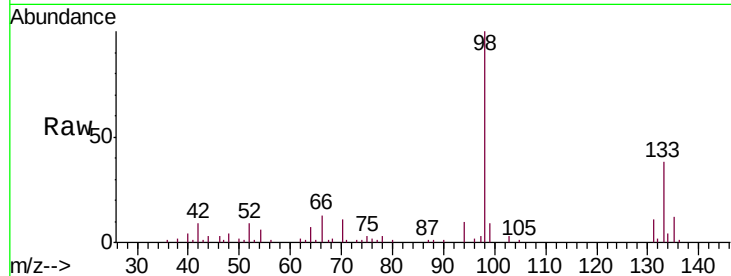




#59
 1,2,3-Trichloropropane
 Concen: 0.103 ug/L
 RT: 11.06 min Scan# 3024
 Delta R.T. 0.22 min
 Lab File: VU037340.D
 Acq: 19 Mar 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA8

Tgt Ion: 75 Resp: 764
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6



#61
 Bromoform
 Concen: 0.304 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: VU037340.D
 Acq: 19 Mar 2020 14:32

Tgt Ion: 173 Resp: 1777
 Ion Ratio Lower Upper
 173 100
 175 52.2 38.2 57.2
 254 5.0 7.8 11.8#

