

Data File : VU037342.D
Acq On : 19 Mar 2020 17:28
Operator : JC/MD
Sample : L1983-04RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA8RE

Quant Time: Mar 20 02:01:43 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	137797	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	138603	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	69857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	97	0.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.20%#
7) Chloroethane-d5	1.93	69	29190	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.59	63	21150	1.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	26.80%#
20) 2-Butanone-d5	4.67	46	106348	49.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.06%
24) Chloroform-d	5.11	84	83103	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.74	65	45339	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.76	84	134373	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	45305	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	29661	1.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	20.80%#
43) trans-1,3-Dichloropropene-	8.20	79	9960	2.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	46.40%#
46) 2-Hexanone-d5	8.66	63	80574	42.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.26%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	40054	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	52656	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

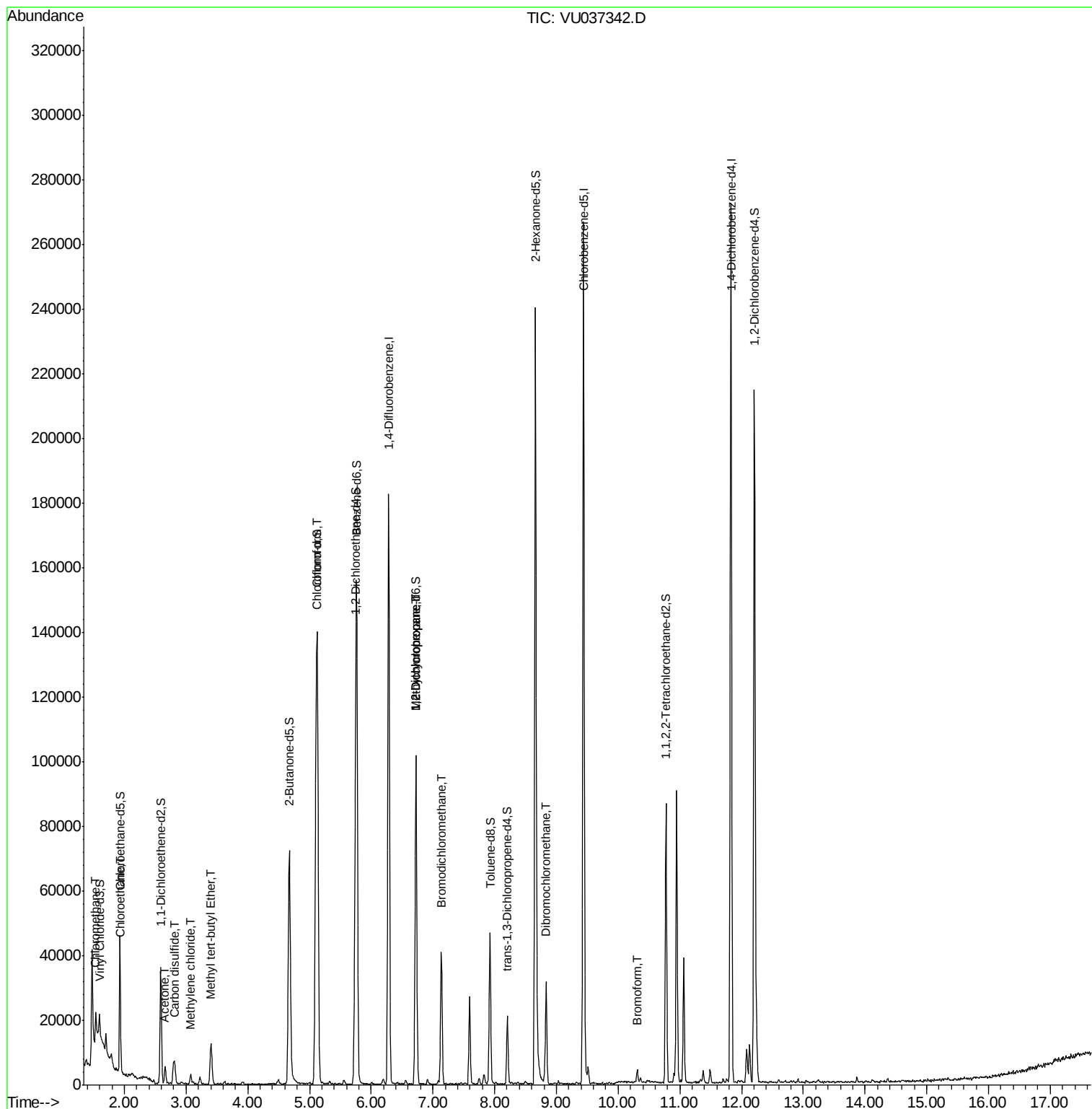
					Qvalue
3) Chloromethane	1.54	50	5815	0.371 ug/L	95
8) Chloroethane	1.95	64	800	0.099 ug/L #	65
13) Acetone	2.66	43	6641	3.620 ug/L	95
14) Carbon disulfide	2.82	76	5103	0.179 ug/L #	93
16) Methylene chloride	3.08	84	889	0.084 ug/L	79
17) Methyl tert-butyl Ether	3.40	73	13177	0.519 ug/L	98
25) Chloroform	5.13	83	95808	4.589 ug/L	100
35) Methylcyclohexane	6.73	83	10657	0.620 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	5711	0.519 ug/L #	88
38) Bromodichloromethane	7.13	83	26871	1.735 ug/L	95
49) Dibromochloromethane	8.84	129	14986	1.448 ug/L	95
61) Bromoform	10.31	173	1761	0.286 ug/L #	92

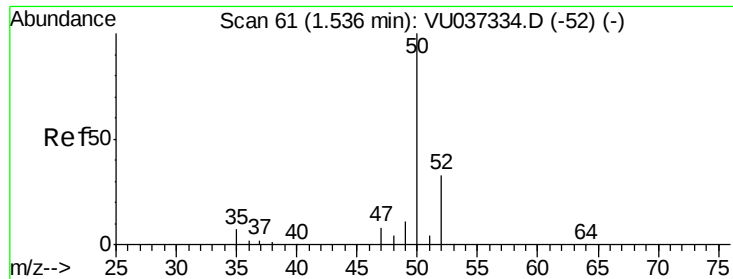
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 20 01:58:25 2020
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#3

Chloromethane

Concen: 0.371 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

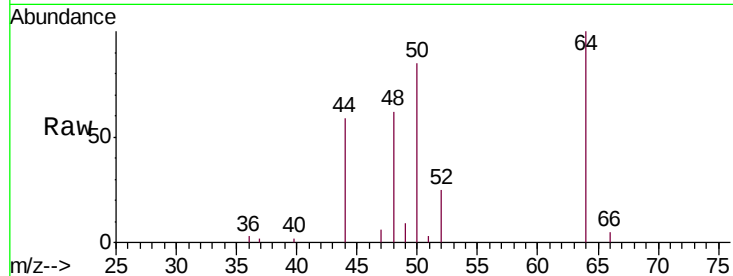
C0AA8RE

Tgt Ion: 50 Resp: 5815

Ion Ratio Lower Upper

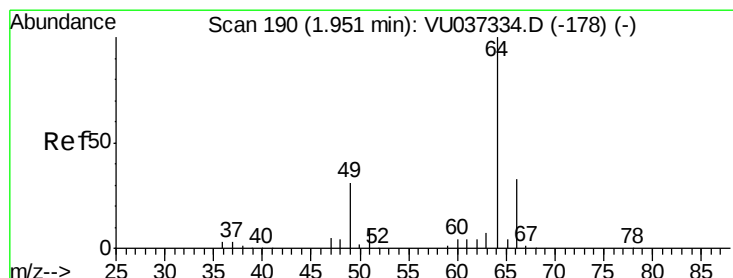
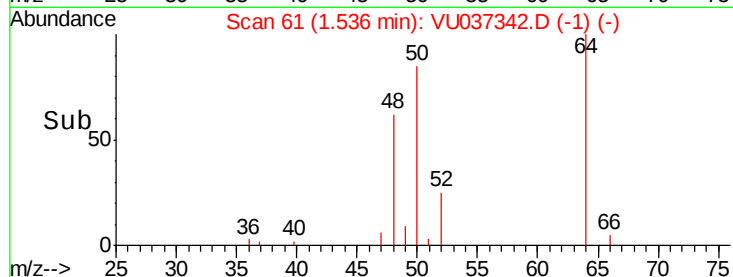
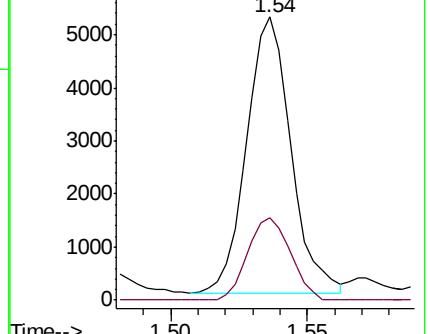
50 100

52 28.9 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: 0.099 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037342.D

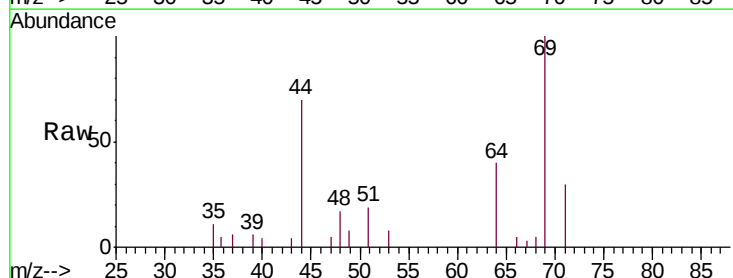
Acq: 19 Mar 2020 17:28

Tgt Ion: 64 Resp: 800

Ion Ratio Lower Upper

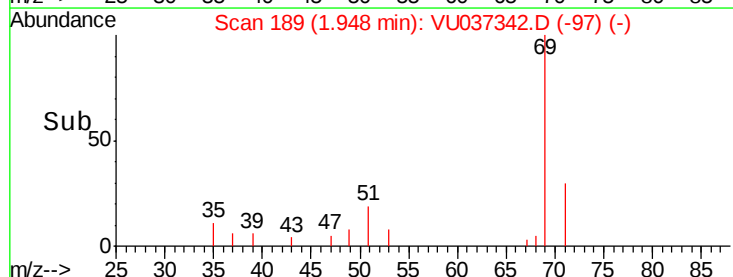
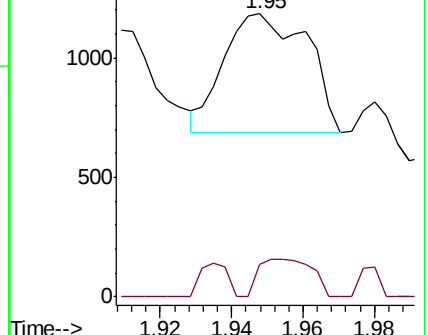
64 100

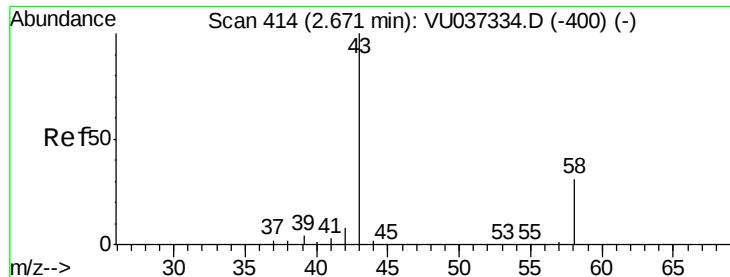
66 11.7 21.7 40.3#



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: 3.620 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

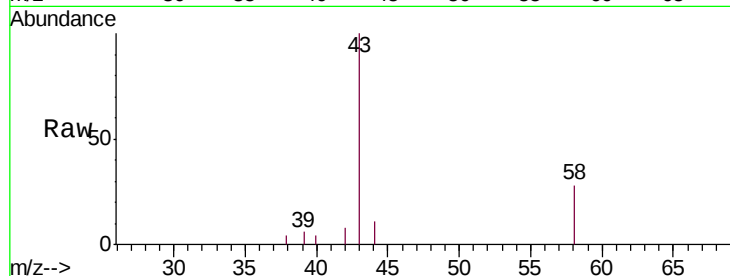
C0AA8RE

Tgt Ion: 43 Resp: 6641

Ion Ratio Lower Upper

43 100

58 26.2 0.0 58.0

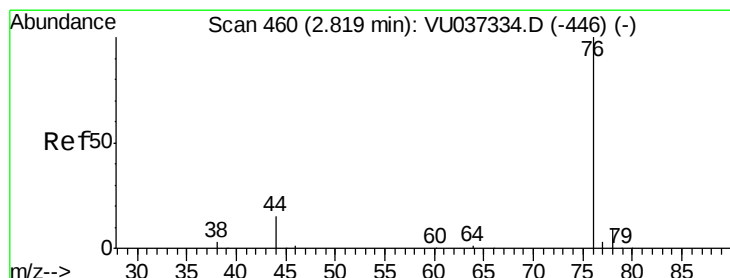
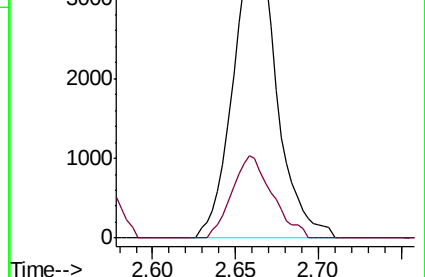
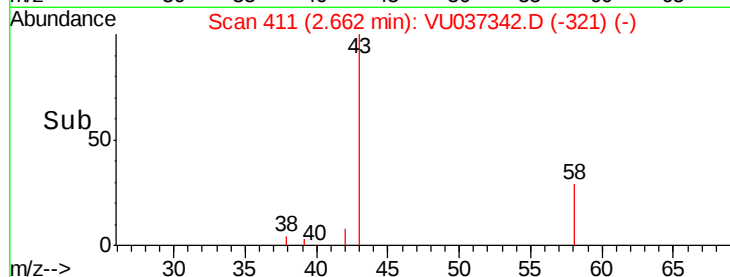


Abundance Ion 43.05 (42.75 to 43.75): VU037334.D (-400) (-)

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

2.66

Time-->



#14

Carbon disulfide

Concen: 0.179 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037342.D

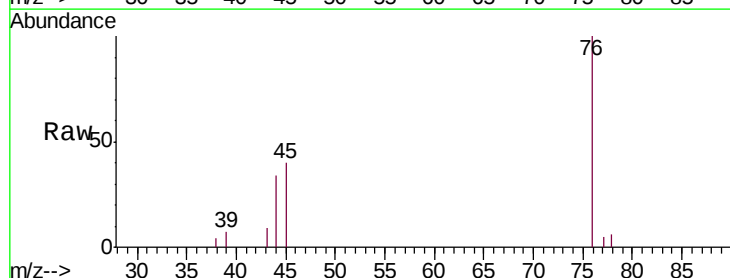
Acq: 19 Mar 2020 17:28

Tgt Ion: 76 Resp: 5103

Ion Ratio Lower Upper

76 100

78 6.3 7.1 10.7#

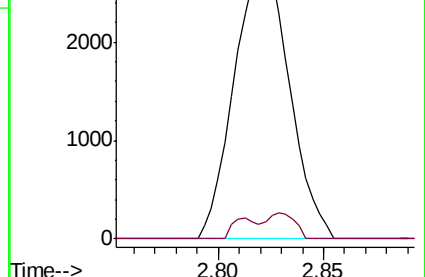
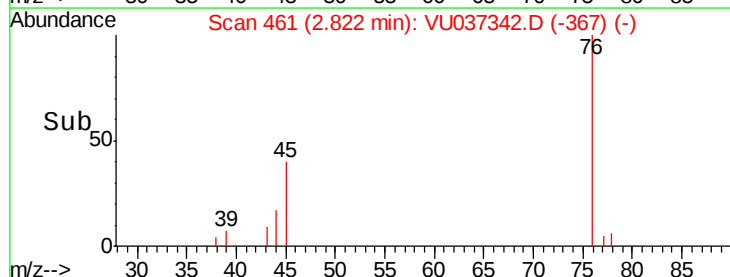


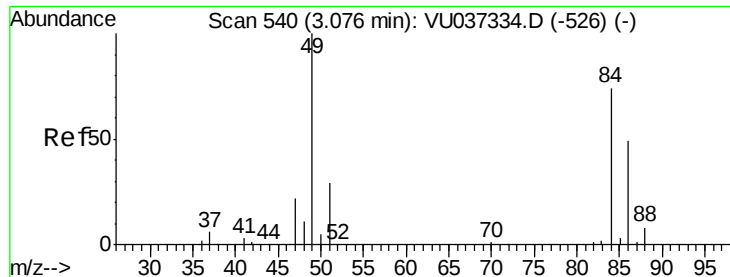
Abundance Ion 76.05 (75.75 to 76.75): VU037334.D (-446) (-)

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

2.82

Time-->

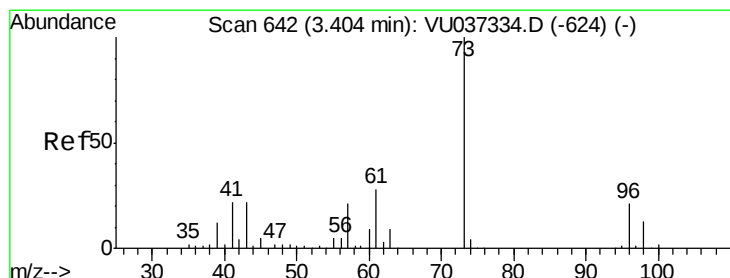
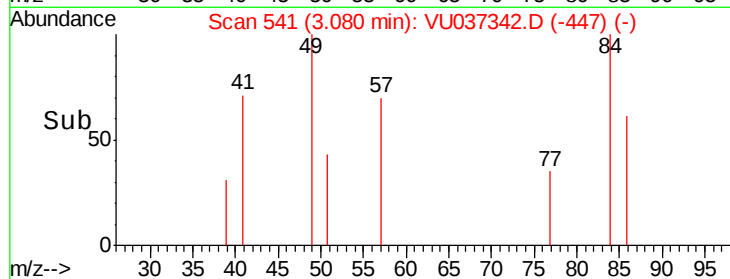
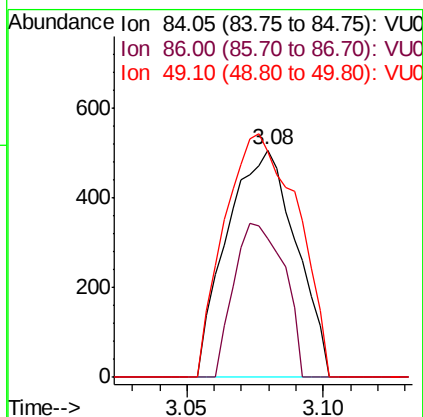
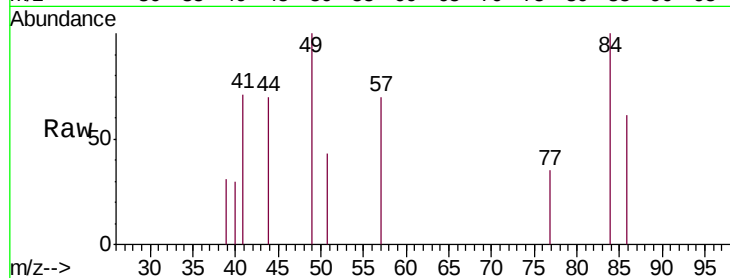




#16
Methylene chloride
Concen: 0.084 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037342.D
Acq: 19 Mar 2020 17:28

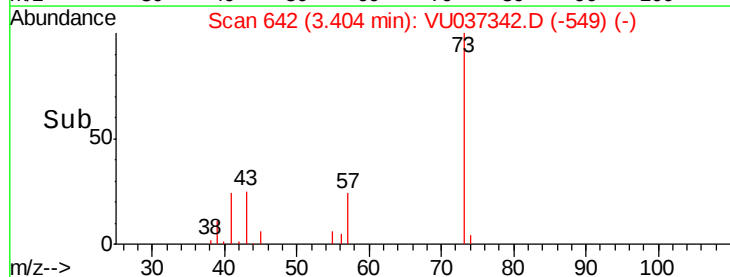
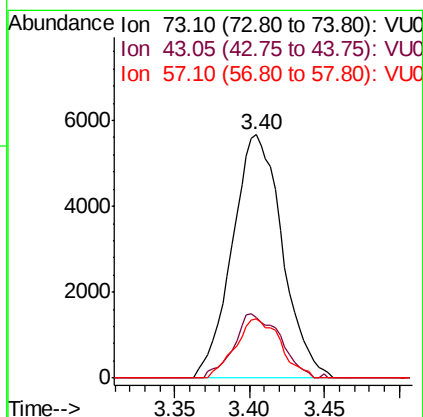
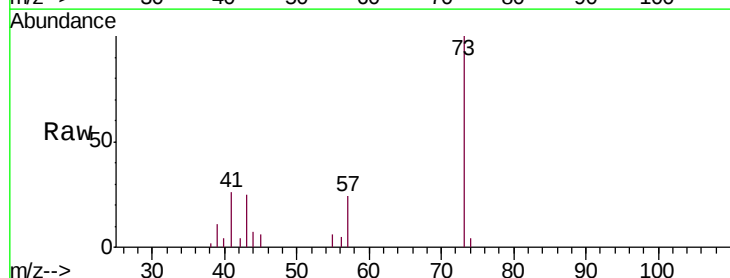
Instrument :
MSVOA_U
ClientSampleId :
C0AA8RE

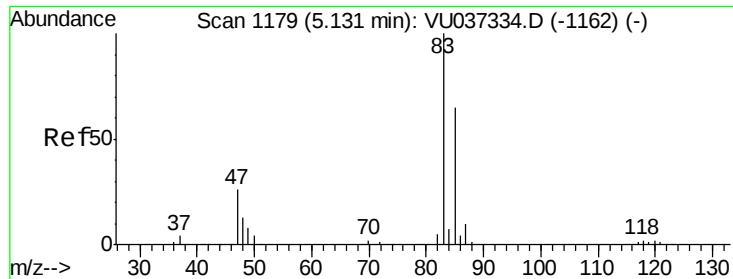
Tgt Ion: 84 Resp: 889
Ion Ratio Lower Upper
84 100
86 61.3 45.2 84.0
49 99.6 94.4 175.4



#17
Methyl tert-butyl Ether
Concen: 0.519 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037342.D
Acq: 19 Mar 2020 17:28

Tgt Ion: 73 Resp: 13177
Ion Ratio Lower Upper
73 100
43 24.5 18.6 28.0
57 22.0 17.1 25.7

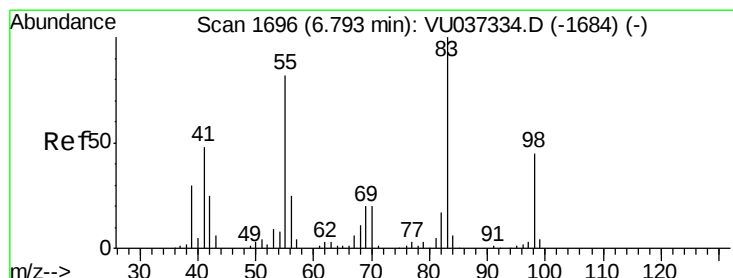
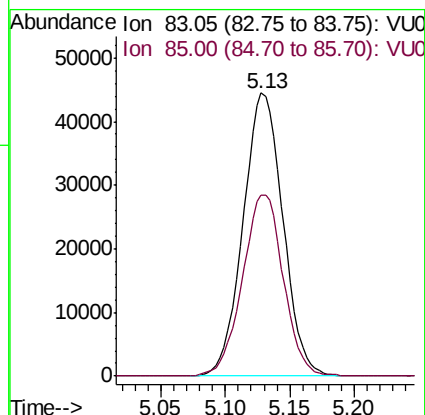
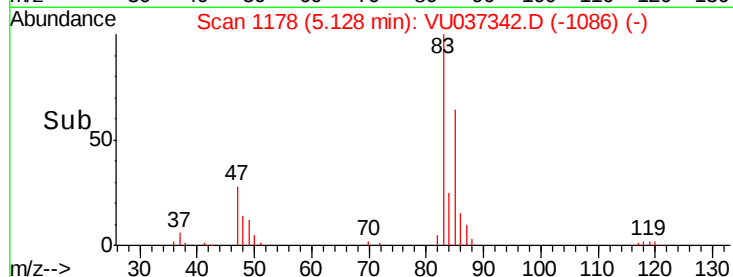
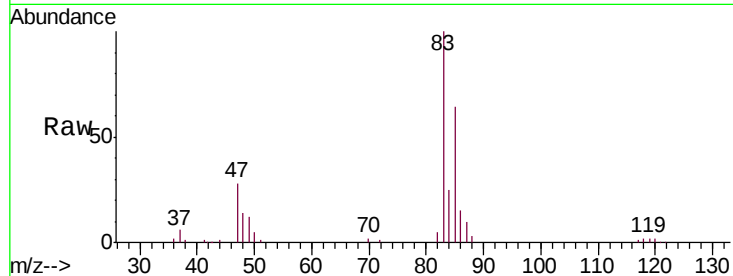




#25
Chloroform
Concen: 4.589 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037342.D
Acq: 19 Mar 2020 17:28

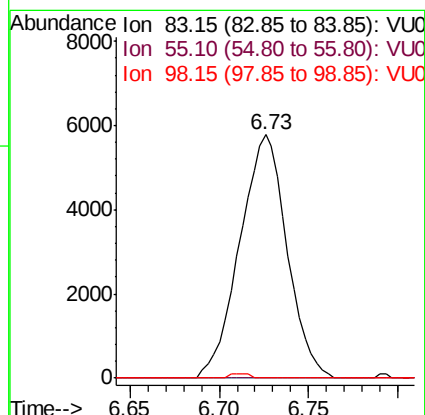
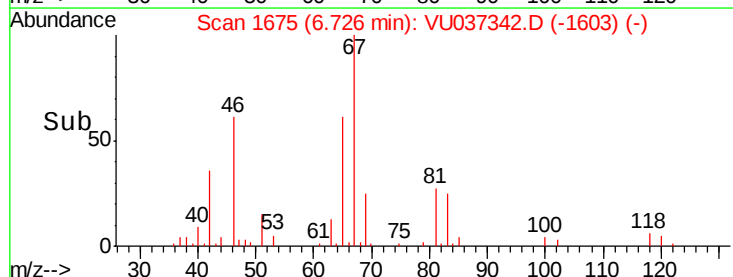
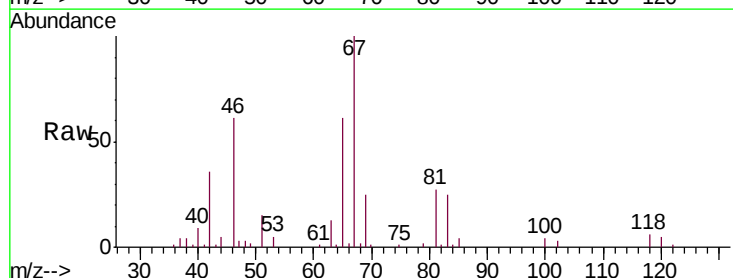
Instrument :
MSVOA_U
ClientSampleId :
C0AA8RE

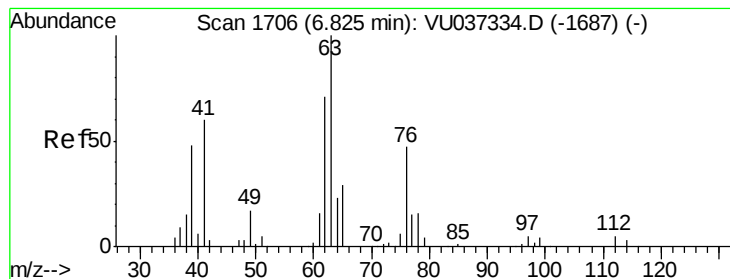
Tgt Ion: 83 Resp: 95808
Ion Ratio Lower Upper
83 100
85 64.0 44.7 82.9



#35
Methylcyclohexane
Concen: 0.620 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037342.D
Acq: 19 Mar 2020 17:28

Tgt Ion: 83 Resp: 10657
Ion Ratio Lower Upper
83 100
55 0.0 67.0 100.6#
98 0.8 37.4 56.0#





#37

1,2-Dichloropropane

Concen: 0.519 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

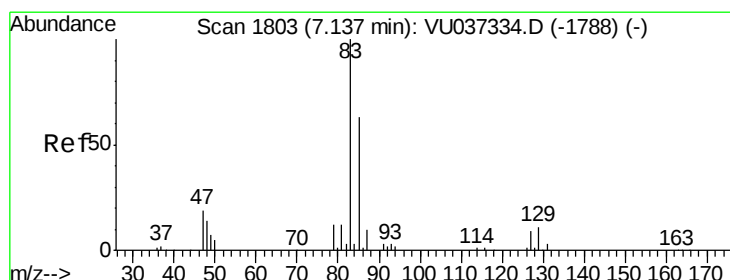
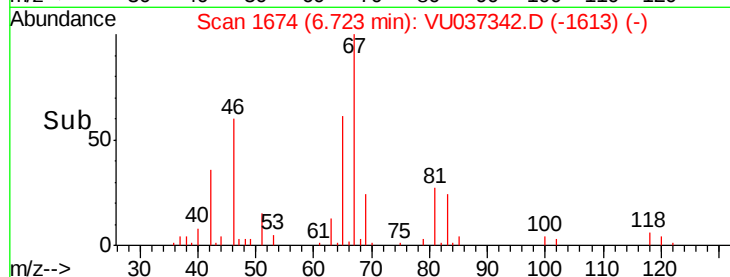
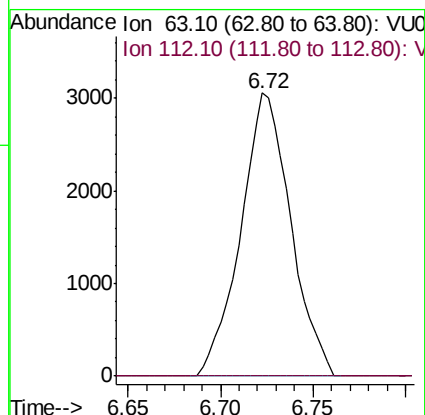
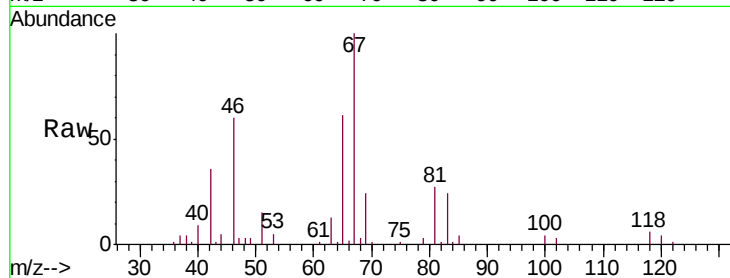
C0AA8RE

Tgt Ion: 63 Resp: 5711

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#38

Bromodichloromethane

Concen: 1.735 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

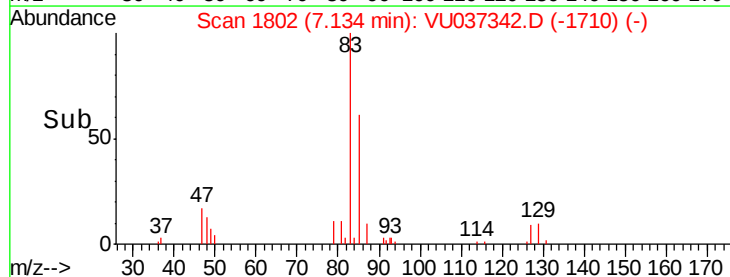
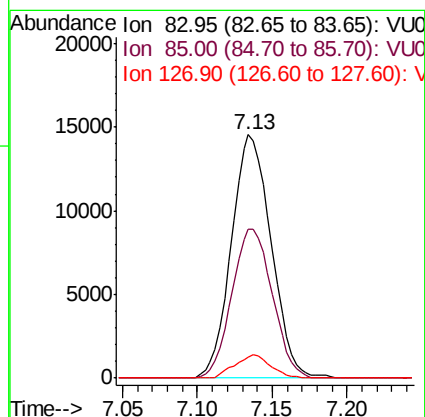
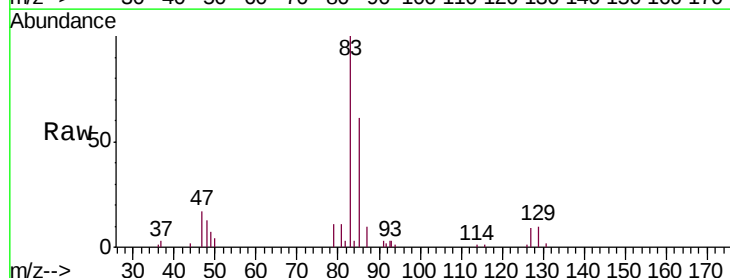
Tgt Ion: 83 Resp: 26871

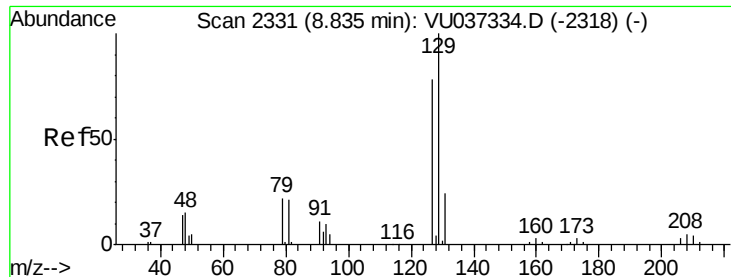
Ion Ratio Lower Upper

83 100

85 61.3 45.8 85.0

127 8.7 7.0 10.6





#49

Dibromochloromethane

Concen: 1.448 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037342.D

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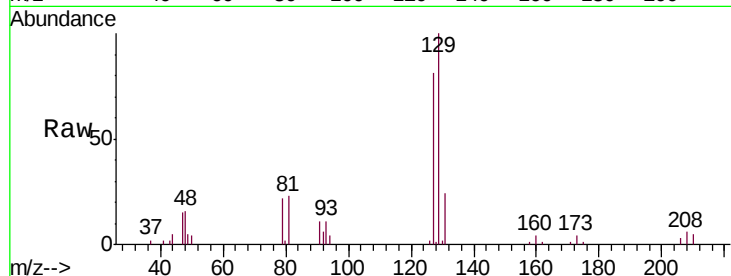
C0AA8RE

Tgt Ion:129 Resp: 14986

Ion Ratio Lower Upper

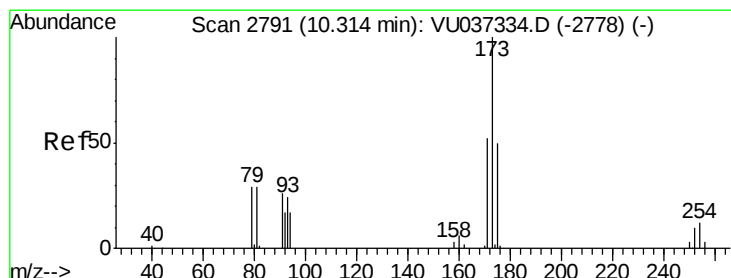
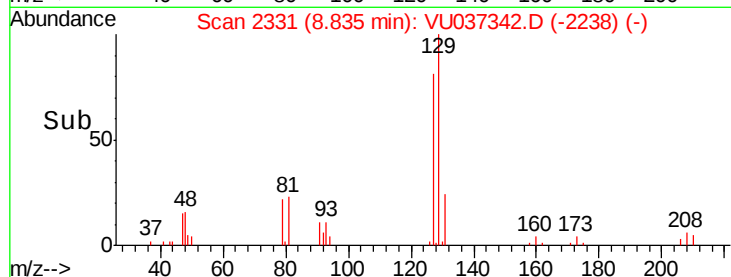
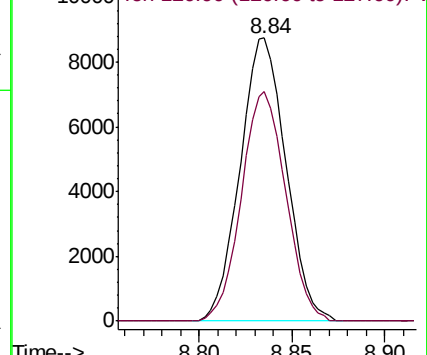
129 100

127 81.0 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#61

Bromoform

Concen: 0.286 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.01 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

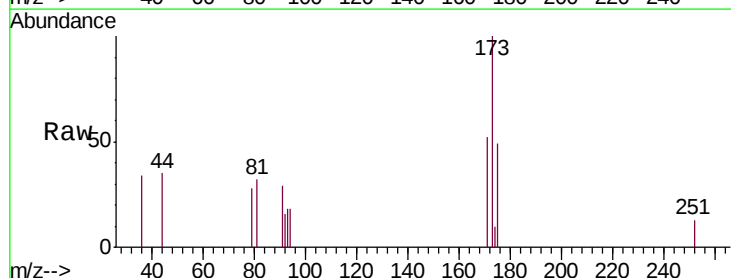
Tgt Ion:173 Resp: 1761

Ion Ratio Lower Upper

173 100

175 50.3 38.2 57.2

254 0.0 7.8 11.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

