

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037809.D
 Acq On : 20 Apr 2020 13:20
 Operator : JC/MD
 Sample : L2319-04RE
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 01:10:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275265	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	269207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133513	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70875	3.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.00%
7) Chloroethane-d5	1.93	69	69557	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.59	63	100026	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.66	46	317370	55.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.96%
24) Chloroform-d	5.10	84	149376	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	90090	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.76	84	308701	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.72	67	105806	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.92	98	276455	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.20	79	44563	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.65	63	268869	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	88223	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	106752	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

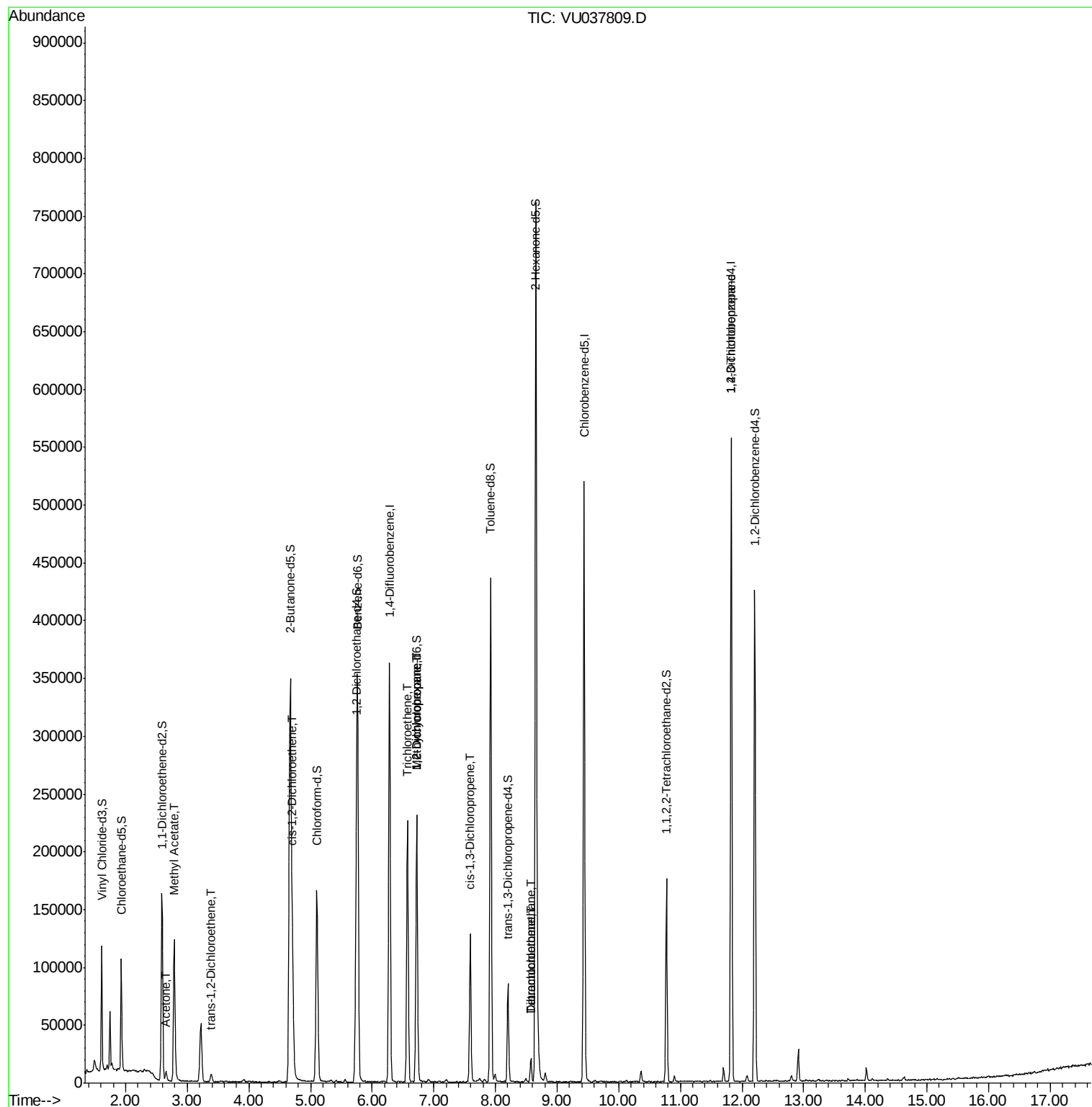
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	9949	2.638	ug/L	97
15) Methyl Acetate	2.79	43	28835	2.750	ug/L #	54
18) trans-1,2-Dichloroethene	3.38	96	2698	0.131	ug/L	92
22) cis-1,2-Dichloroethene	4.71	96	43053	1.935	ug/L	97
34) Trichloroethene	6.57	95	74294	3.399	ug/L	98
35) Methylcyclohexane	6.72	83	23965	0.626	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12007	0.509	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2939	0.080	ug/L #	60
47) Tetrachloroethene	8.57	164	4412	0.281	ug/L	92
49) Dibromochloromethane	8.58	129	4372	0.241	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	19030	1.233	ug/L	94

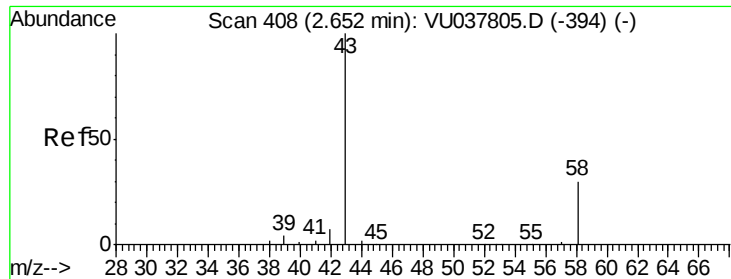
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 21 01:10:29 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.638 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037809.D

Acq: 20 Apr 2020 13:20

Instrument :

MSVOA_U

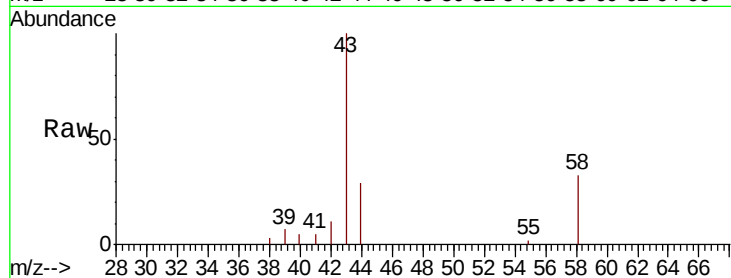
ClientSampleId :

Tot Ion: 43 Resp: 9949

Ion Ratio Lower Upper

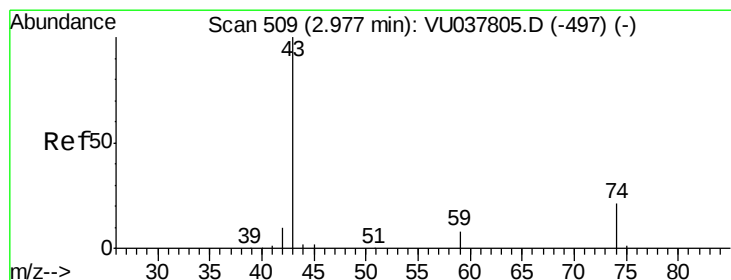
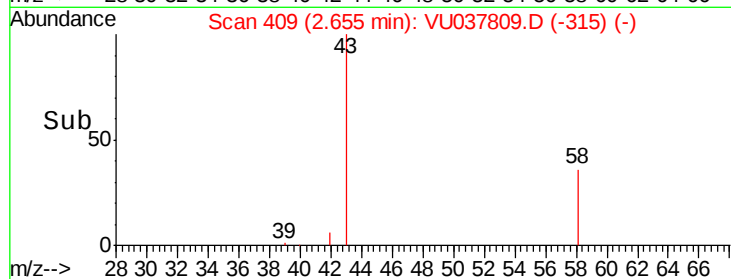
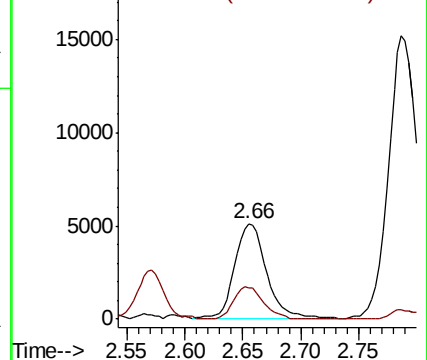
43 100

58 30.9 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037809.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU037809.D (-394) (-)



#15

Methyl Acetate

Concen: 2.750 ug/L

RT: 2.79 min Scan# 450

Delta R.T. -0.19 min

Lab File: VU037809.D

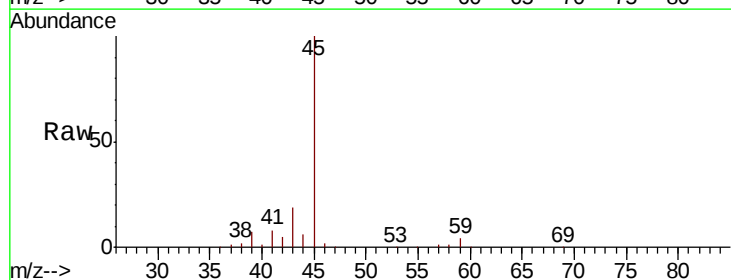
Acq: 20 Apr 2020 13:20

Tgt Ion: 43 Resp: 28835

Ion Ratio Lower Upper

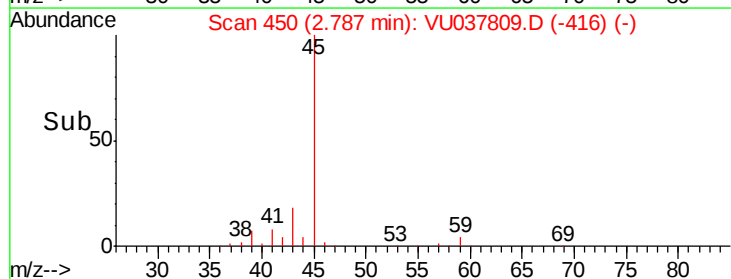
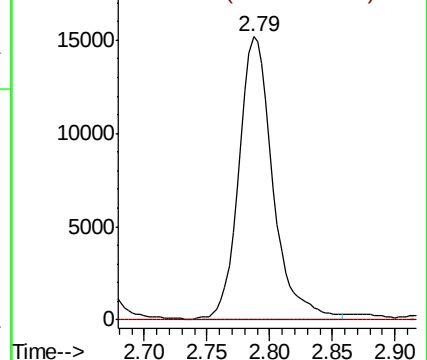
43 100

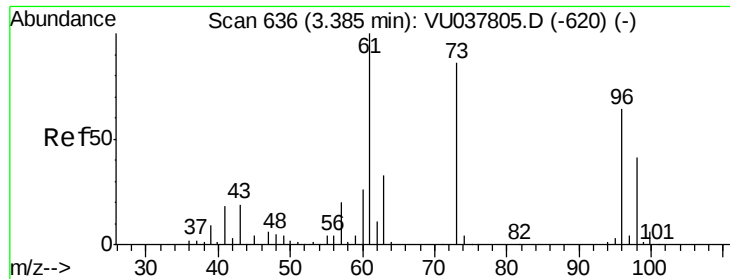
74 0.0 17.2 25.8#



Abundance Ion 43.05 (42.75 to 43.75): VU037809.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VU037809.D (-416) (-)

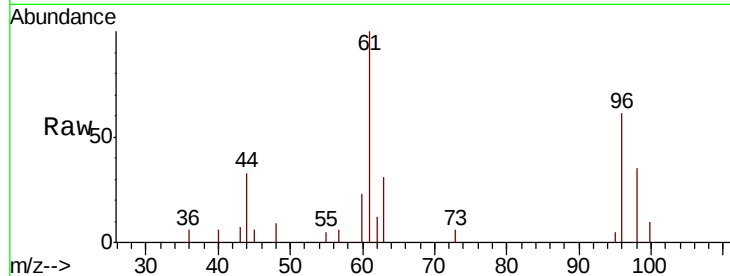




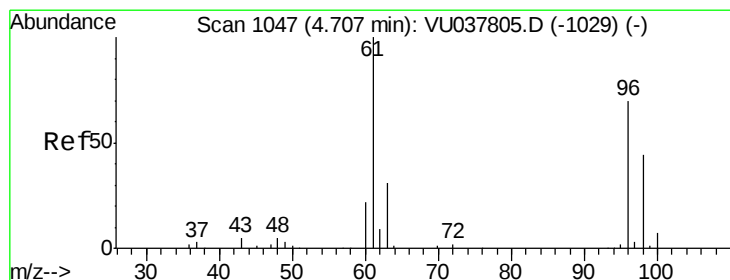
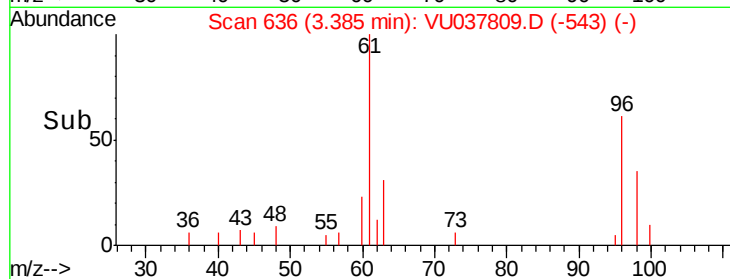
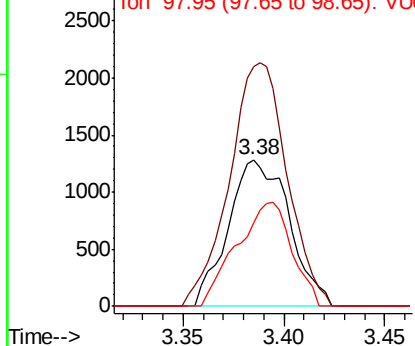
#18
 trans-1,2-Dichloroethene
 Concen: 0.131 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 2698
 Ion Ratio Lower Upper
 96 100
 61 163.4 106.7 198.3
 98 57.1 44.3 82.3

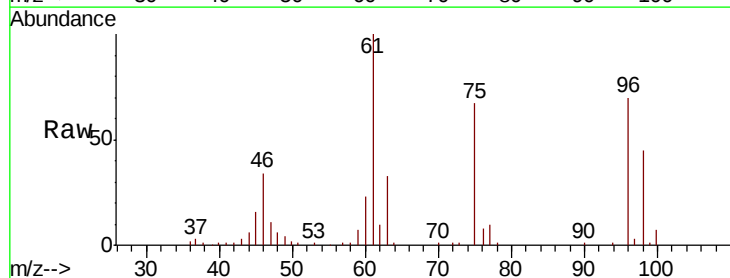


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

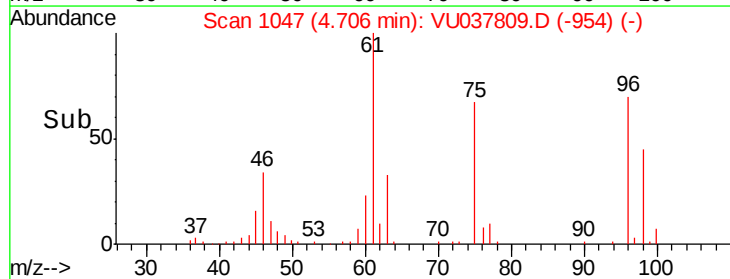
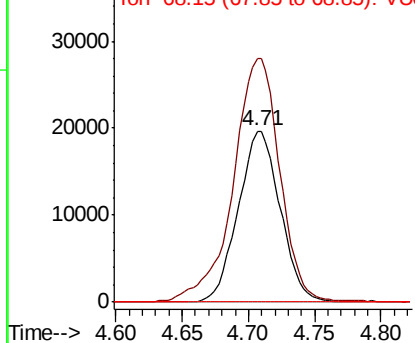


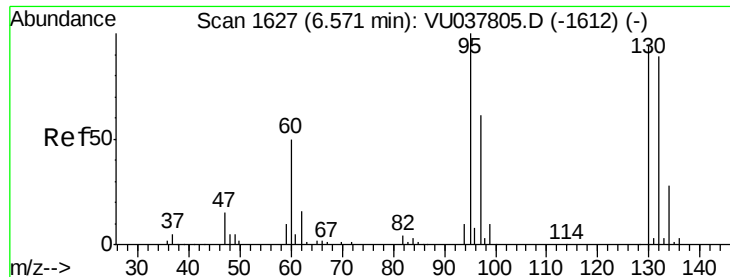
#22
 cis-1,2-Dichloroethene
 Concen: 1.935 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

Tgt Ion: 96 Resp: 43053
 Ion Ratio Lower Upper
 96 100
 61 142.1 97.0 180.2
 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

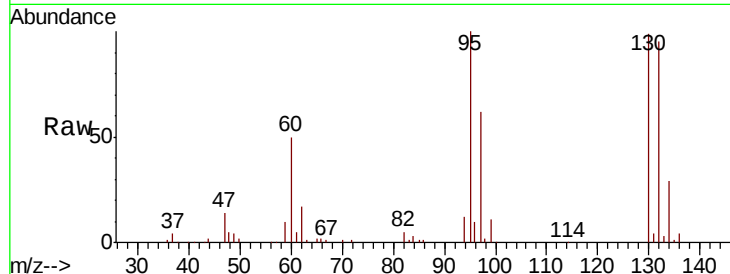




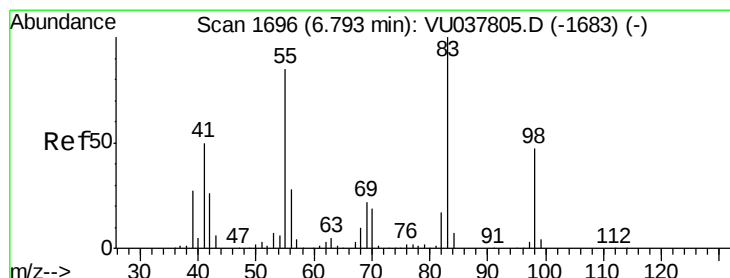
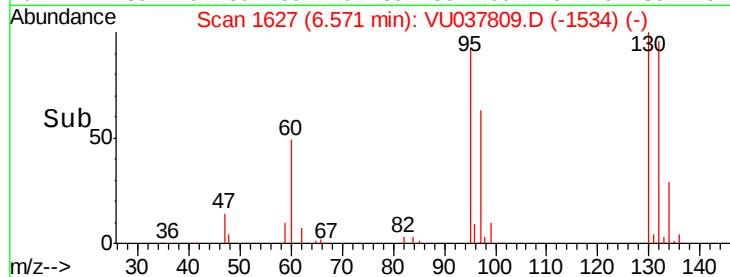
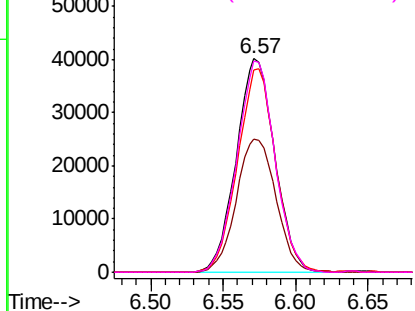
#34
 Trichloroethene
 Concen: 3.399 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 74294
 Ion Ratio Lower Upper
 95 100
 97 62.4 45.4 84.2
 132 94.6 63.7 118.3
 130 98.7 68.7 127.5

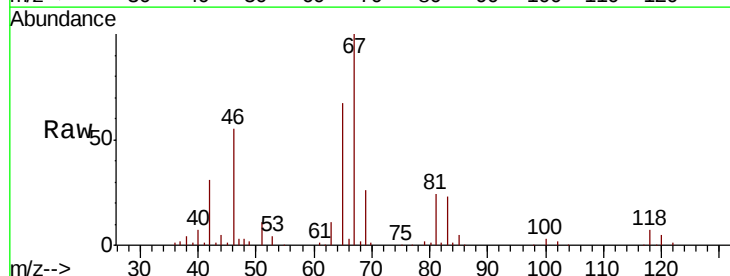


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

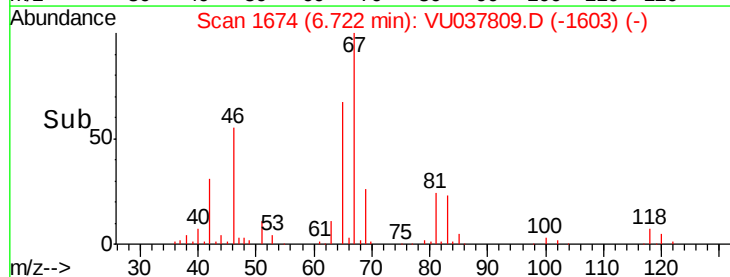
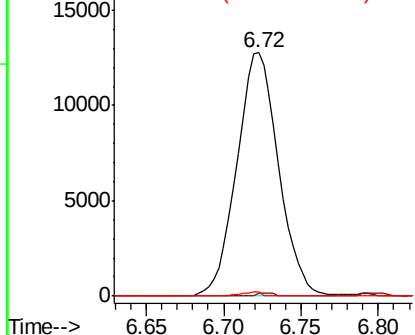


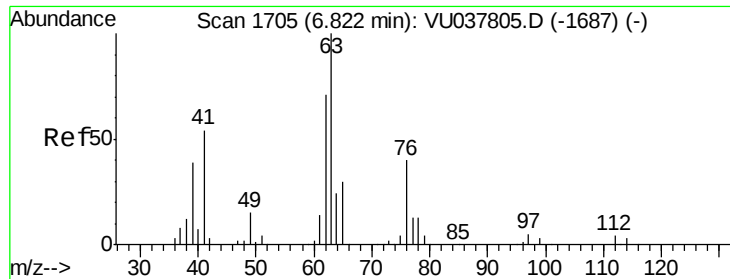
#35
 Methylcyclohexane
 Concen: 0.626 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

Tgt Ion: 83 Resp: 23965
 Ion Ratio Lower Upper
 83 100
 55 0.5 65.5 98.3#
 98 0.7 38.2 57.4#



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

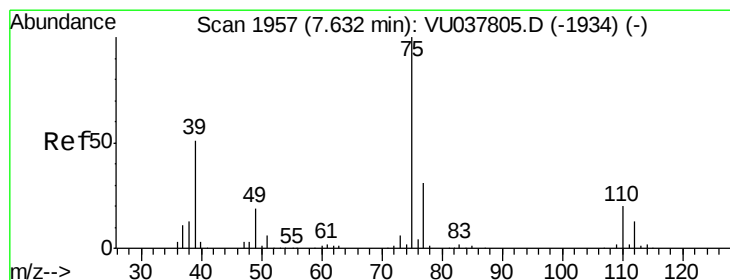
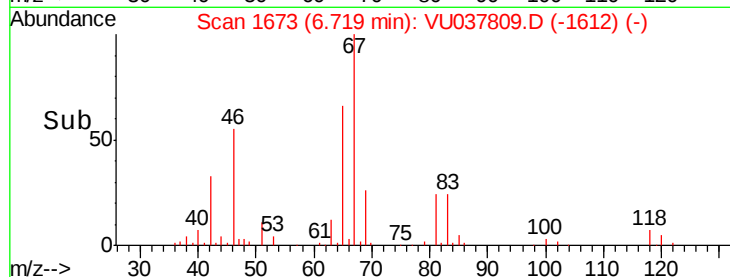
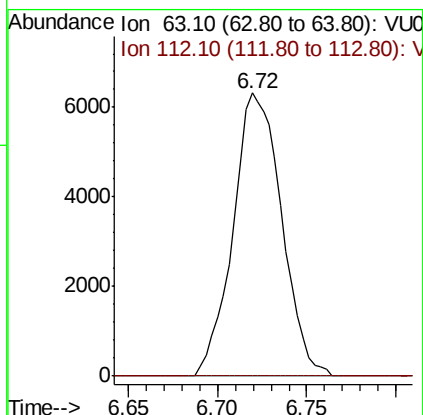
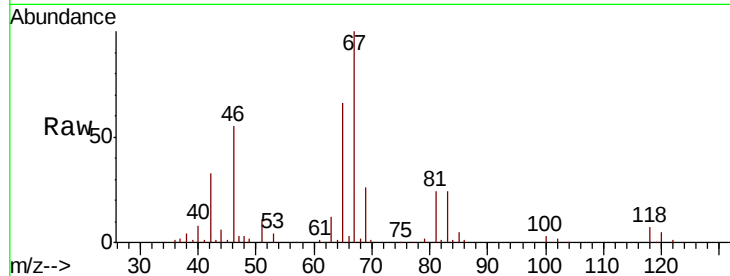




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

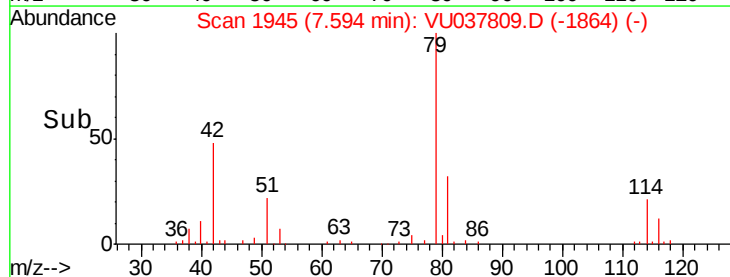
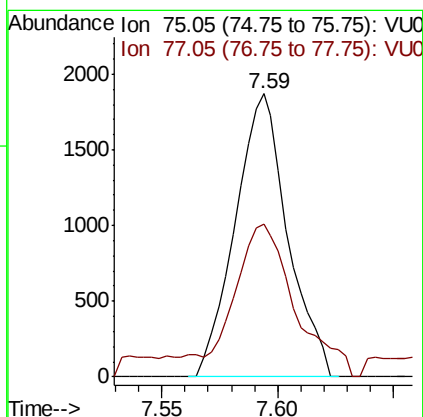
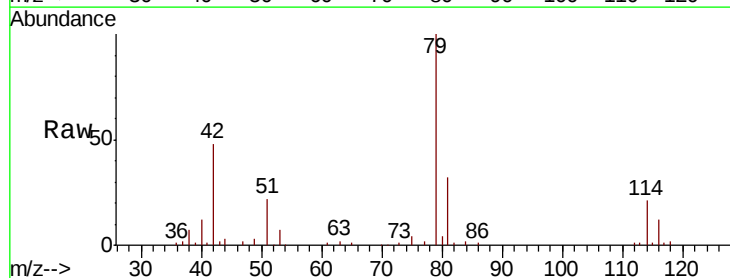
Instrument :
 MSVOA_U
 ClientSampleId :

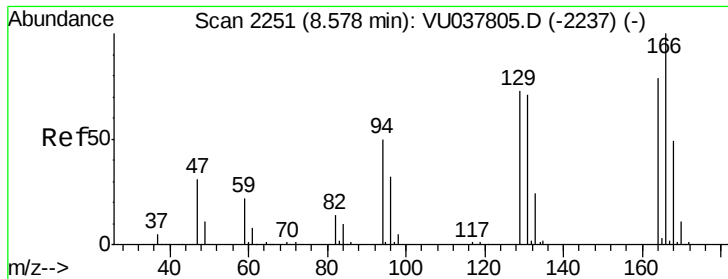
Tot Ion: 63 Resp: 12007
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037809.D
 Acq: 20 Apr 2020 13:20

Tgt Ion: 75 Resp: 2939
 Ion Ratio Lower Upper
 75 100
 77 53.9 22.2 41.2#

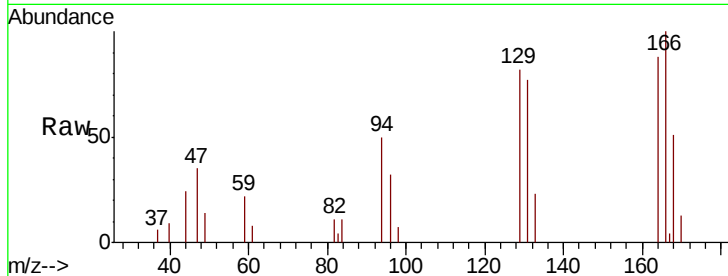




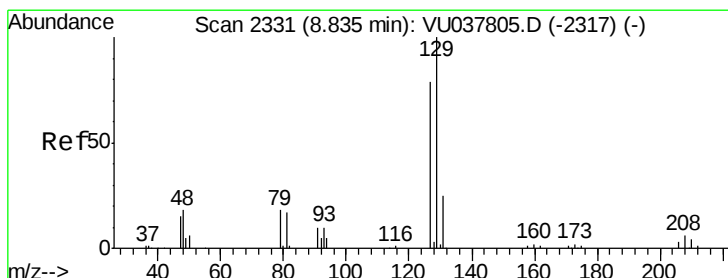
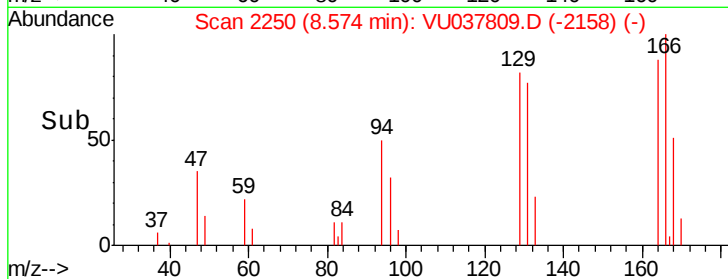
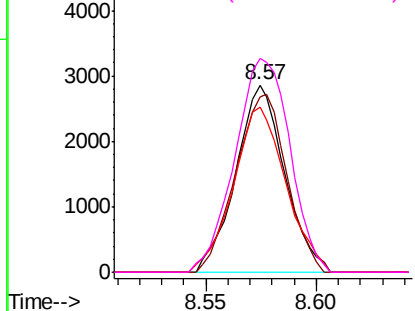
#47
Tetrachloroethene
Concen: 0.281 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037809.D
Acq: 20 Apr 2020 13:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 4412
Ion Ratio Lower Upper
164 100
129 94.0 68.1 126.5
131 88.1 65.9 122.5
166 114.3 89.7 166.7

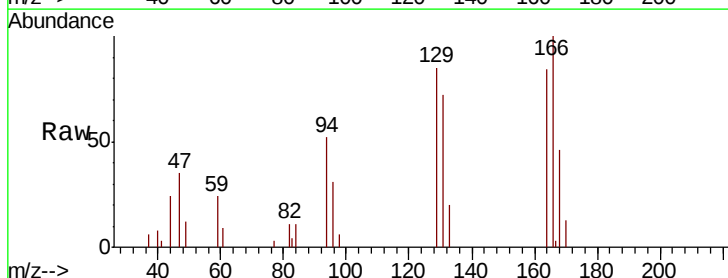


Abundance Ion 163.90 (163.60 to 164.60): V
5000 Ion 128.95 (128.65 to 129.65): V
4000 Ion 130.95 (130.65 to 131.65): V
3000 Ion 165.90 (165.60 to 166.60): V
2000
1000
0

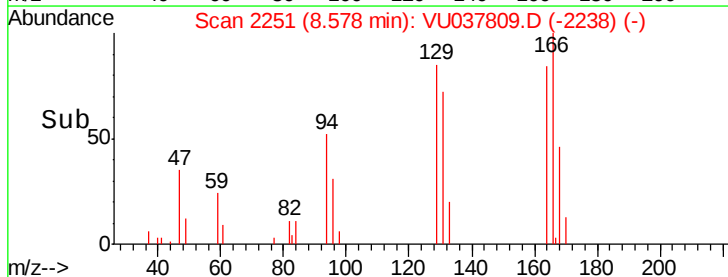
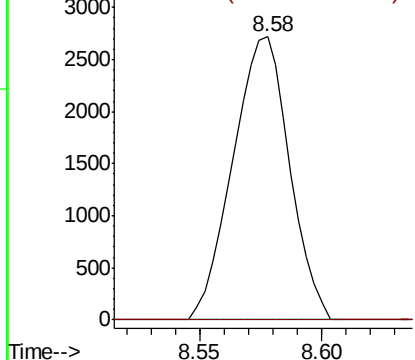


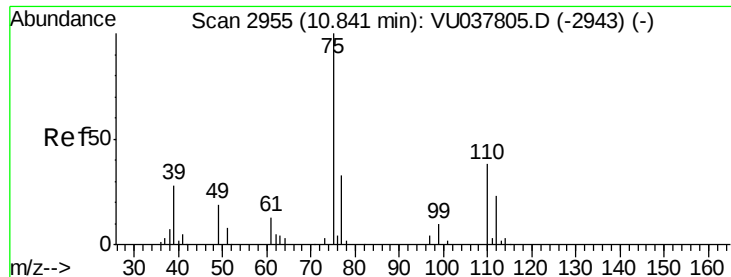
#49
Dibromochloromethane
Concen: 0.241 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU037809.D
Acq: 20 Apr 2020 13:20

Tgt Ion:129 Resp: 4372
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V
3000 Ion 126.90 (126.60 to 127.60): V
2500
2000
1500
1000
500
0





#59

1,2,3-Trichloropropane

Concen: 1.233 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037809.D

Acq: 20 Apr 2020 13:20

Instrument :

MSVOA_U

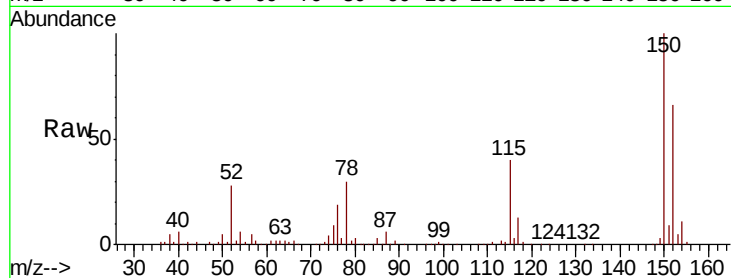
ClientSampleId :

Tot Ion: 75 Resp: 19030

Ion Ratio Lower Upper

75 100

77 34.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

