

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041520\
 Data File : VU037737.D
 Acq On : 15 Apr 2020 16:43
 Operator : JC/MD
 Sample : L2275-23MS
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 01:28:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 01:23:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	306697	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	297371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145163	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88862	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.93	69	80316	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.59	63	162473	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.66	46	312271	48.99	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.98%
24) Chloroform-d	5.10	84	153209	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.74	65	96356	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.76	84	334105	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.72	67	115052	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.92	98	294434	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.20	79	49526	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.65	63	274643	45.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	91141	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	112153	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	81402	3.846	ug/L	96
13) Acetone	2.66	43	12470	2.967	ug/L	95
16) Methylene chloride	3.08	84	1818	0.076	ug/L	92
25) Chloroform	5.13	83	18045	0.428	ug/L	93
27) 1,2-Dichloroethane	5.81	62	3824	0.134	ug/L #	74
33) Benzene	5.81	78	420014	4.275	ug/L	100
34) Trichloroethene	6.57	95	101695	4.212	ug/L	98
35) Methylcyclohexane	6.72	83	25336	0.599	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	12619	0.484	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3199	0.078	ug/L #	73
42) Toluene	7.99	91	445830	4.332	ug/L	100
45) 1,1,2-Trichloroethane	8.57	97	5235	0.298	ug/L #	1
47) Tetrachloroethene	8.57	164	504560	29.080	ug/L	99
49) Dibromochloromethane	8.57	129	486515	24.244	ug/L #	11
51) Chlorobenzene	9.47	112	273430	4.354	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	20718	1.215	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 16 01:23:00 2020
Response via : Initial Calibration

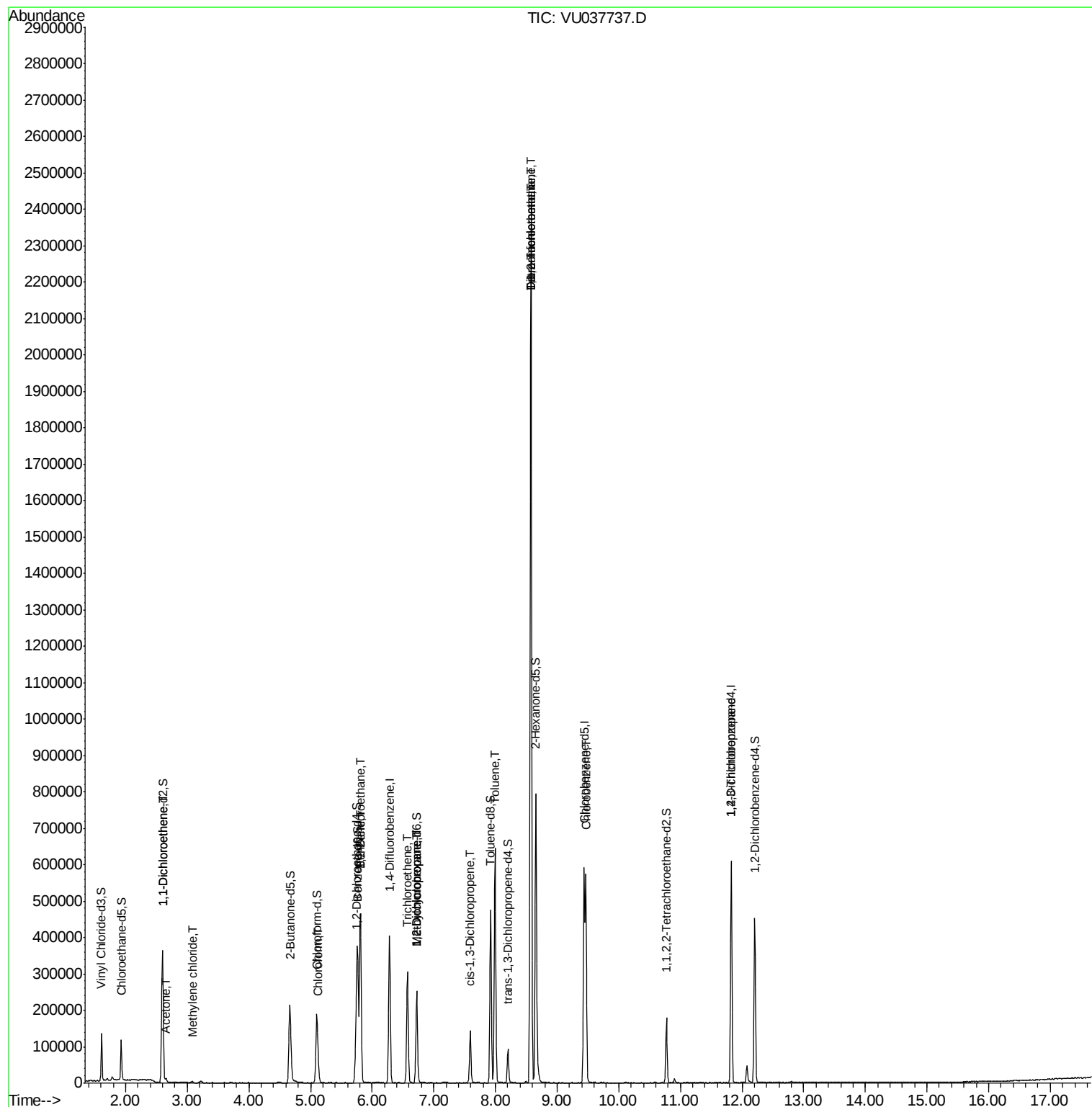
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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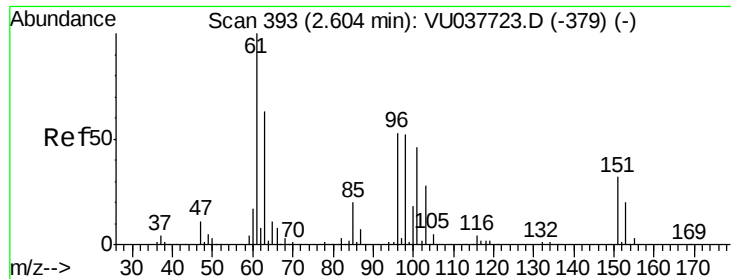
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.846 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :

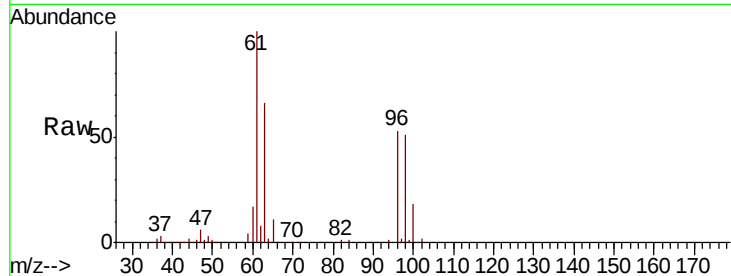
Tot Ion: 96 Resp: 81402

Ion Ratio Lower Upper

96 100

61 188.7 127.7 237.3

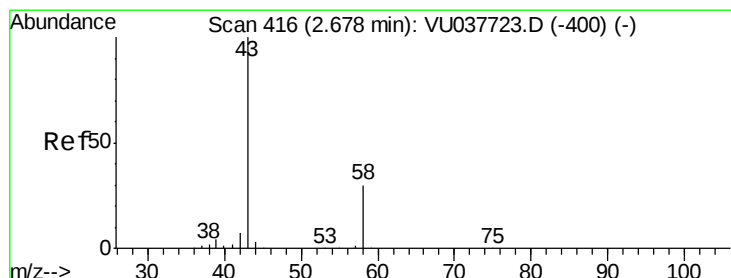
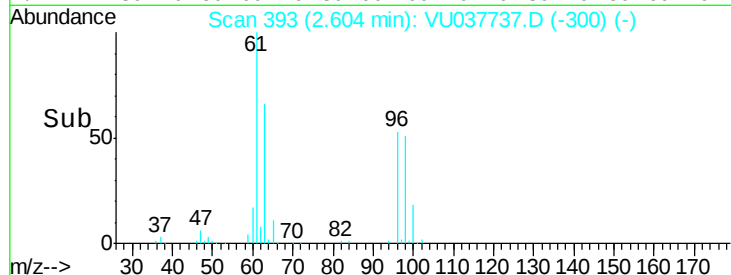
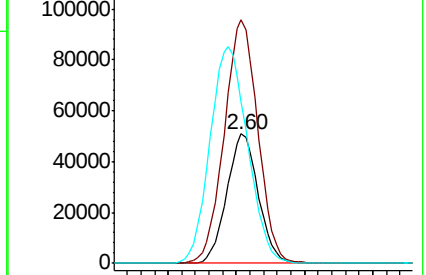
63 125.4 85.0 157.8



Abundance Ion 96.00 (95.70 to 96.70): VU037737.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU037737.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037737.D (-300) (-)



#13

Acetone

Concen: 2.967 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037737.D

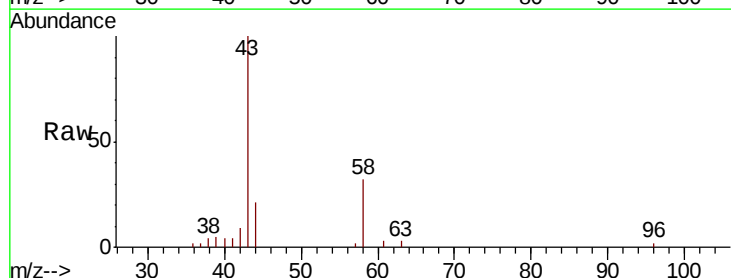
Acq: 15 Apr 2020 16:43

Tgt Ion: 43 Resp: 12470

Ion Ratio Lower Upper

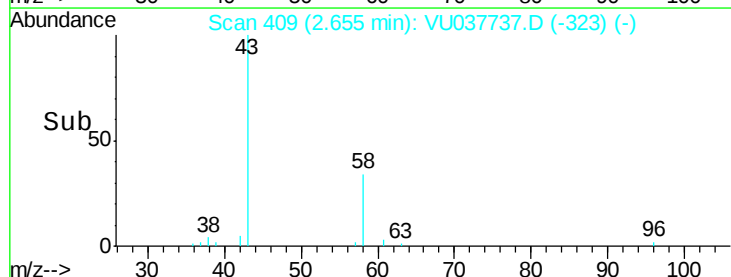
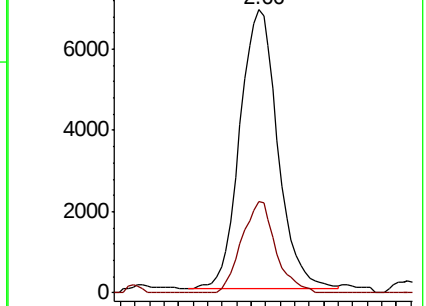
43 100

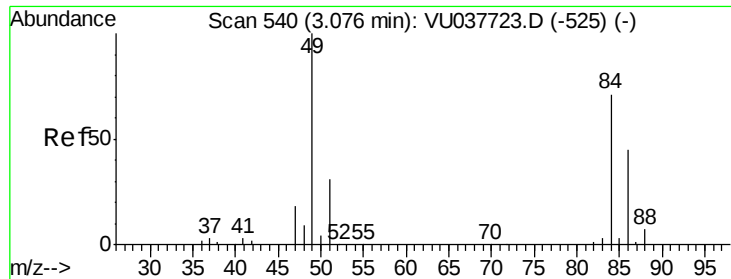
58 29.5 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037737.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU037737.D (-323) (-)

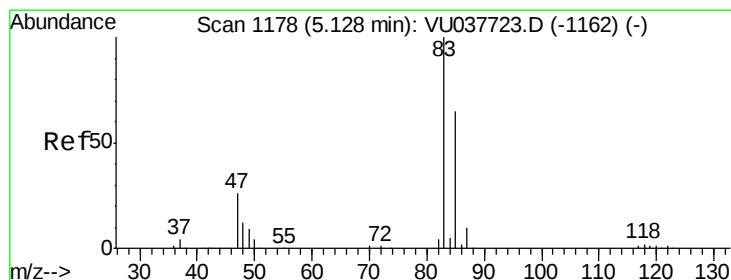
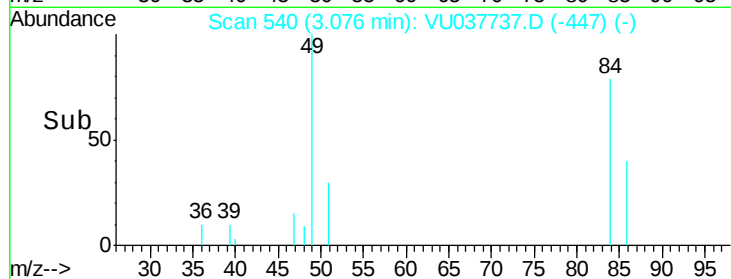
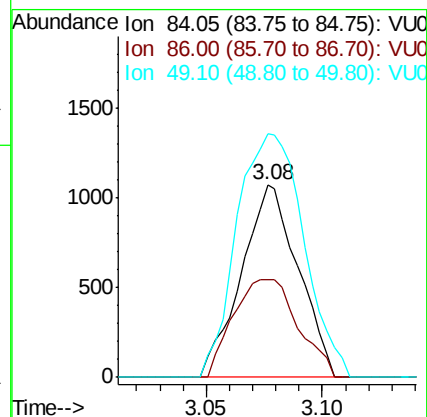
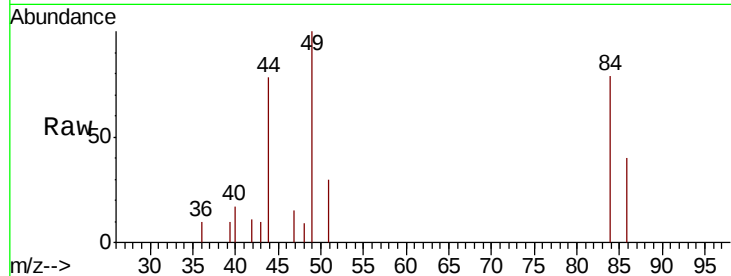




#16
Methvlene chloride
Concen: 0.076 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

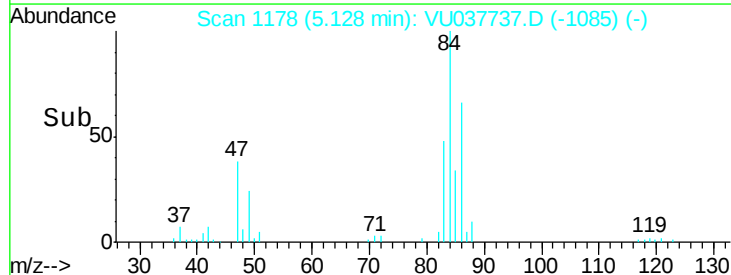
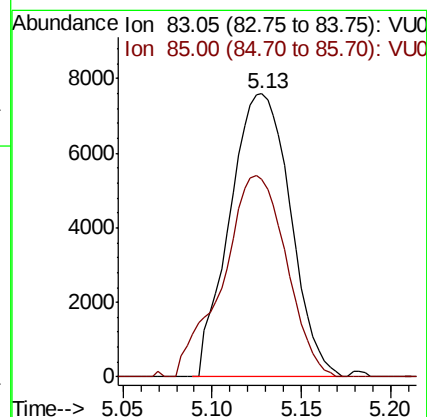
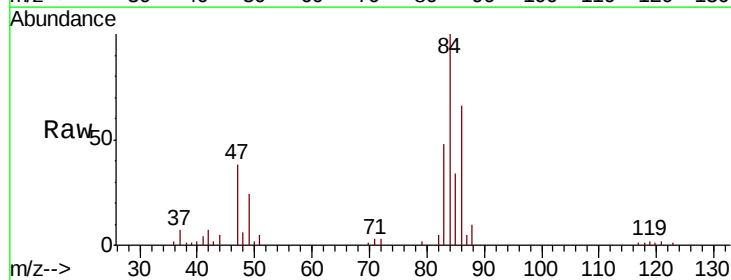
Instrument :
MSVOA_U
ClientSampleId :

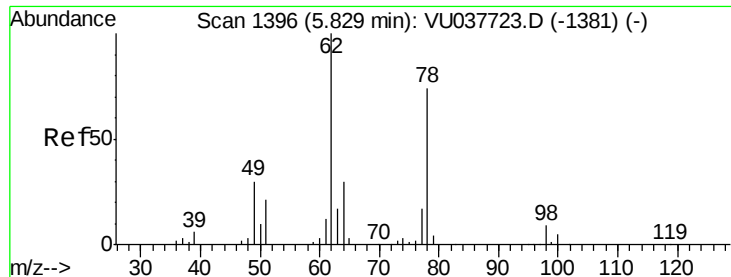
Tot Ion: 84 Resp: 1818
Ion Ratio Lower Upper
84 100
86 50.6 44.2 82.0
49 126.4 92.4 171.6



#25
Chloroform
Concen: 0.428 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

Tgt Ion: 83 Resp: 18045
Ion Ratio Lower Upper
83 100
85 69.7 44.9 83.3





#27

1,2-Dichloroethane

Concen: 0.134 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

Instrument :

MSVOA_U

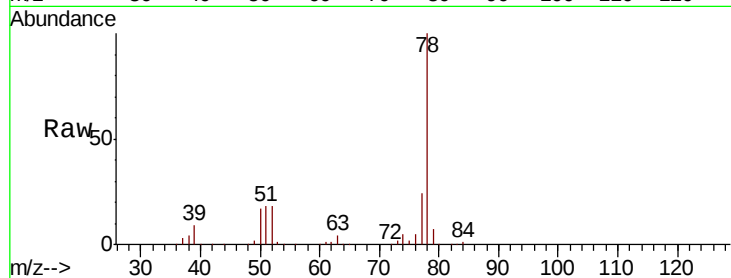
ClientSampleId :

Tot Ion: 62 Resp: 3824

Ion Ratio Lower Upper

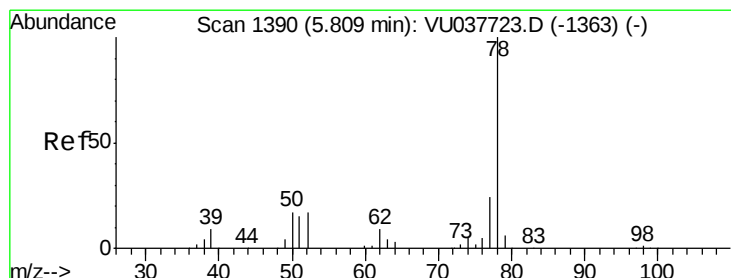
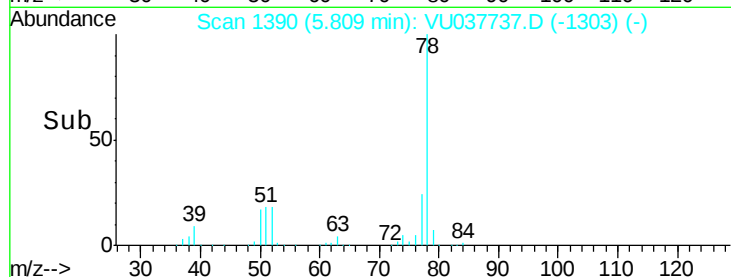
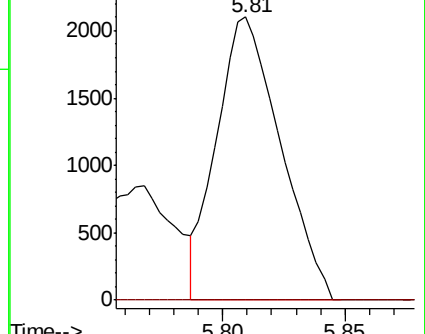
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 4.275 ug/L

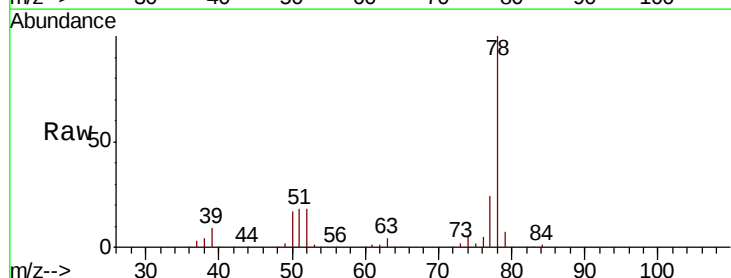
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

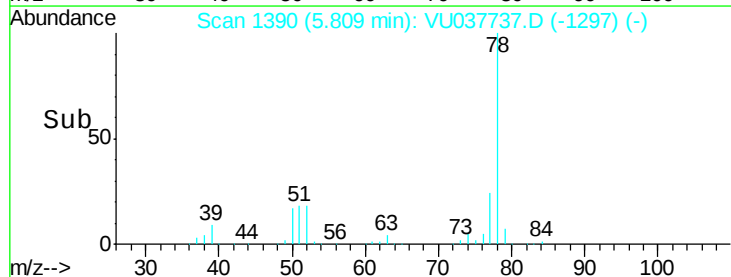
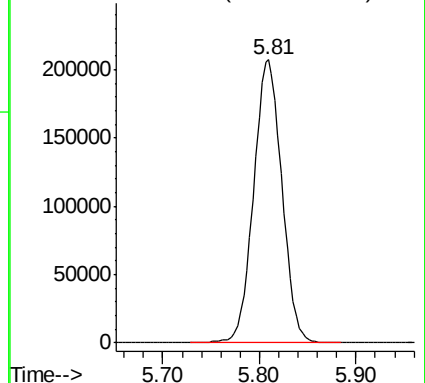
Lab File: VU037737.D

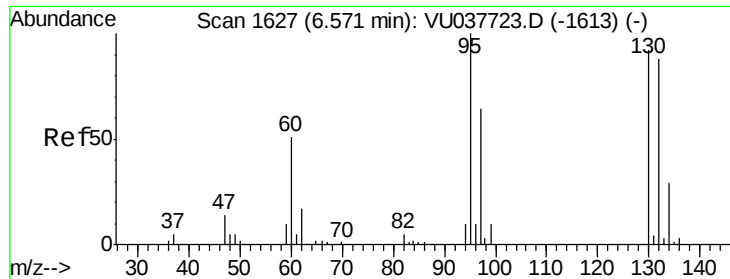
Acq: 15 Apr 2020 16:43

Tgt Ion: 78 Resp: 420014



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.212 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 101695

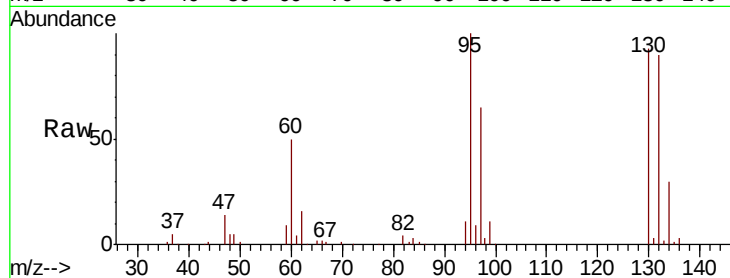
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 90.4 63.7 118.3

130 93.1 68.7 127.5

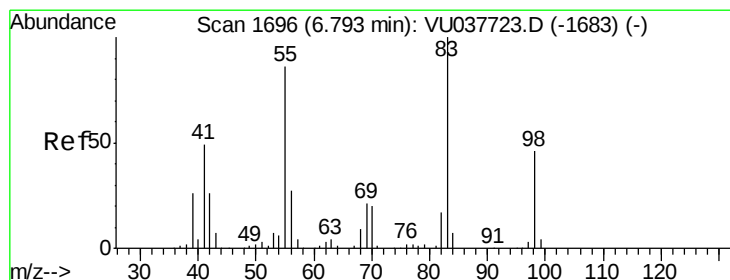
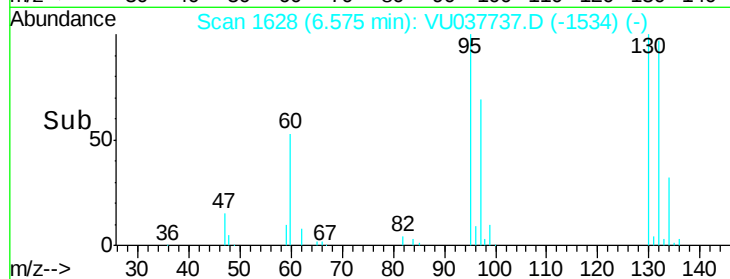
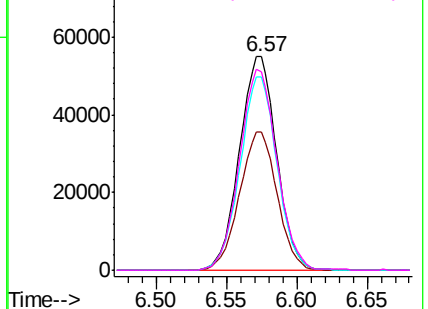


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.599 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

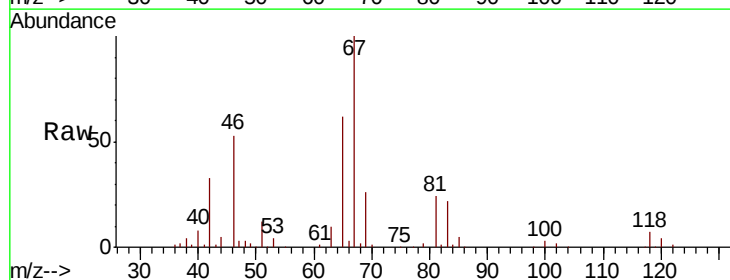
Tgt Ion: 83 Resp: 25336

Ion Ratio Lower Upper

83 100

55 1.3 65.5 98.3#

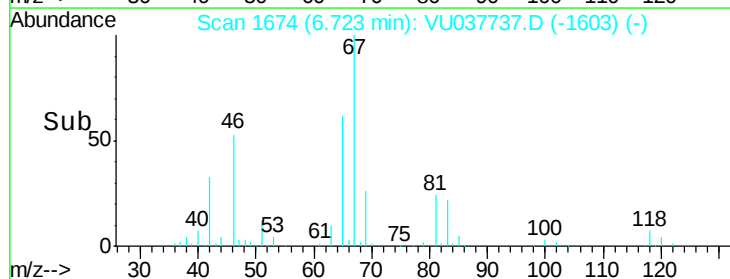
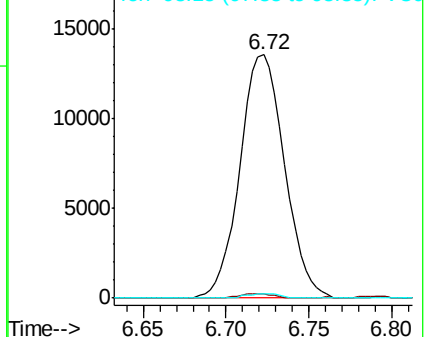
98 1.3 38.2 57.4#

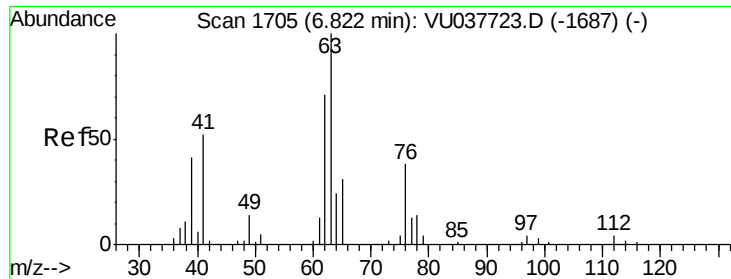


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

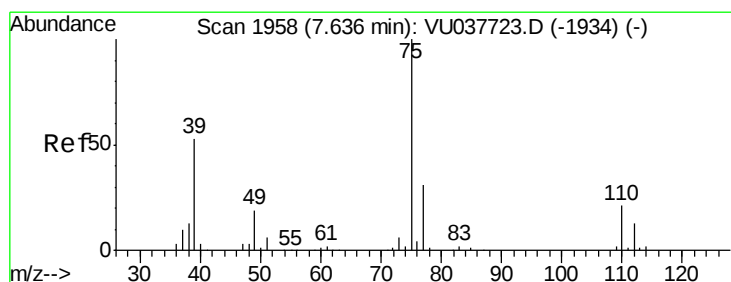
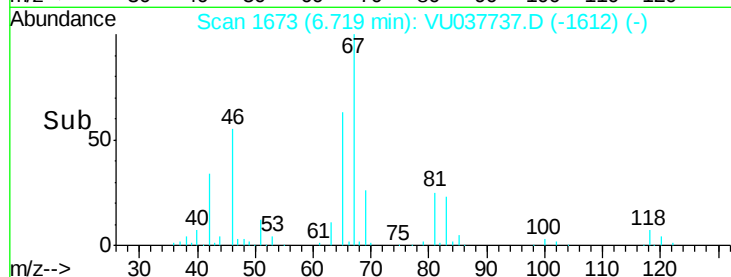
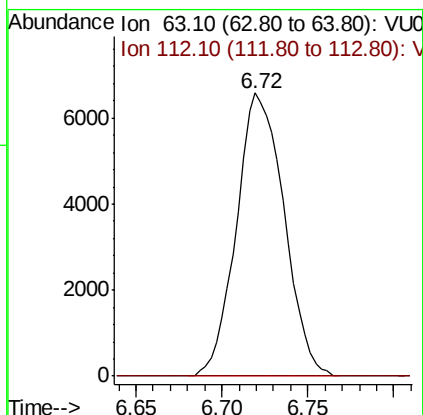
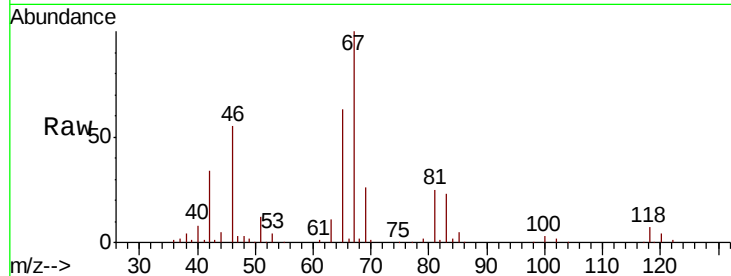




#37
 1,2-Dichloropropane
 Concen: 0.484 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU037737.D
 Acq: 15 Apr 2020 16:43

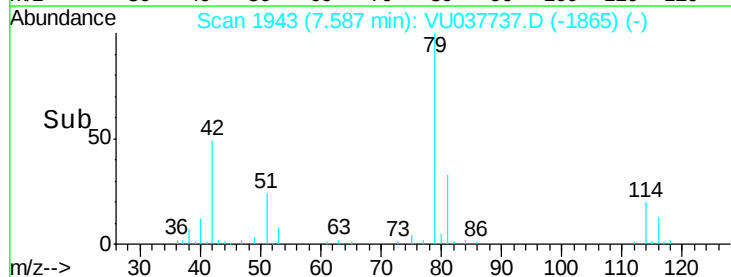
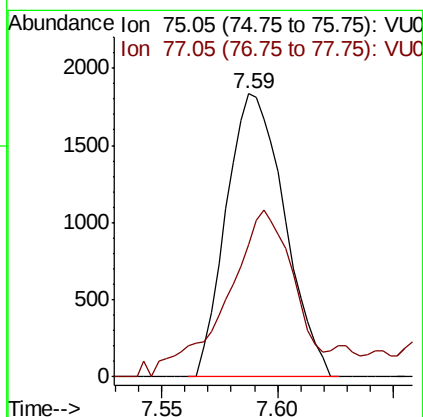
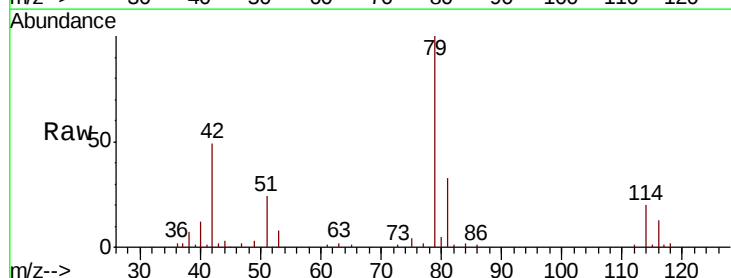
Instrument :
 MSVOA_U
 ClientSampleId :

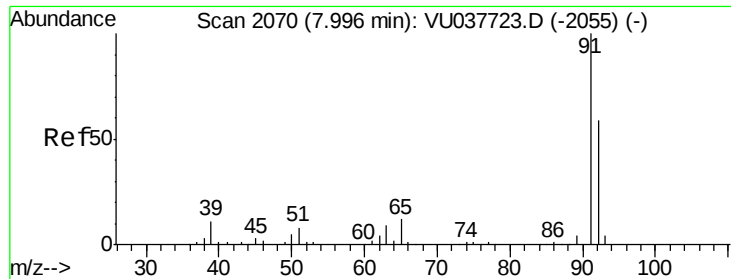
Tot Ion: 63 Resp: 12619
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU037737.D
 Acq: 15 Apr 2020 16:43

Tgt Ion: 75 Resp: 3199
 Ion Ratio Lower Upper
 75 100
 77 46.8 22.2 41.2#





#42

Toluene

Concen: 4.332 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

Instrument :

MSVOA_U

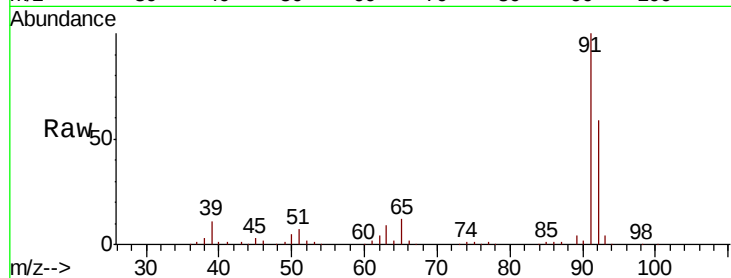
ClientSampled :

Tot Ion: 91 Resp: 445830

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037723.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037723.D (-2055) (-)

7.99

250000

200000

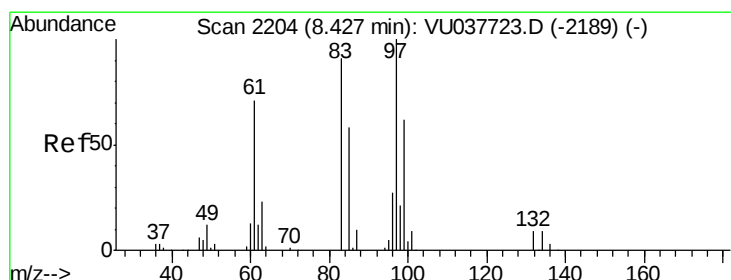
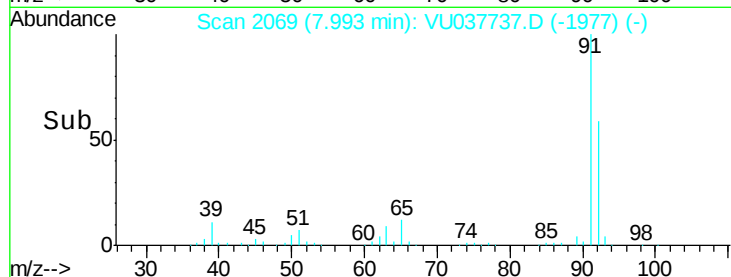
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#45

1,1,2-Trichloroethane

Concen: 0.298 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.14 min

Lab File: VU037737.D

Acq: 15 Apr 2020 16:43

Tgt Ion: 97 Resp: 5235

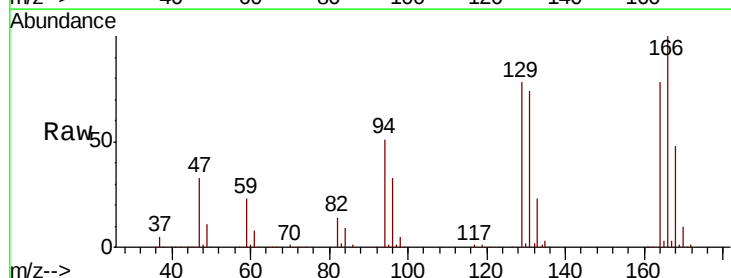
Ion Ratio Lower Upper

97 100

99 11.2 43.1 80.1#

83 265.3 62.4 116.0#

85 33.2 39.6 73.6#



Abundance Ion 96.95 (96.65 to 97.65): VU037723.D (-2189) (-)

Ion 99.05 (98.75 to 99.75): VU037723.D (-2189) (-)

Ion 82.95 (82.65 to 83.65): VU037723.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU037723.D (-2189) (-)

12000

10000

8000

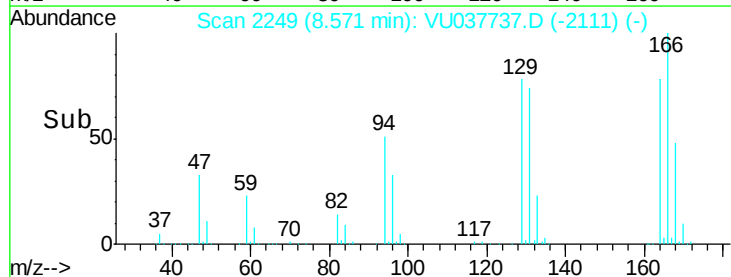
6000

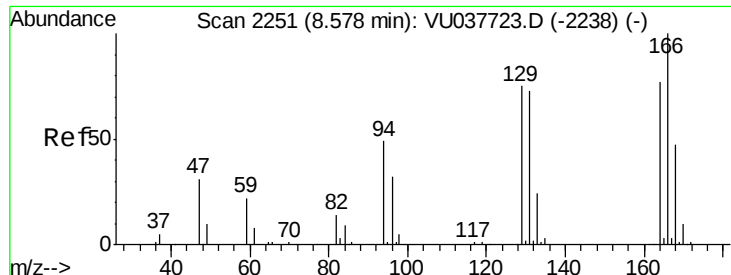
4000

2000

0

Time--> 8.55 8.60

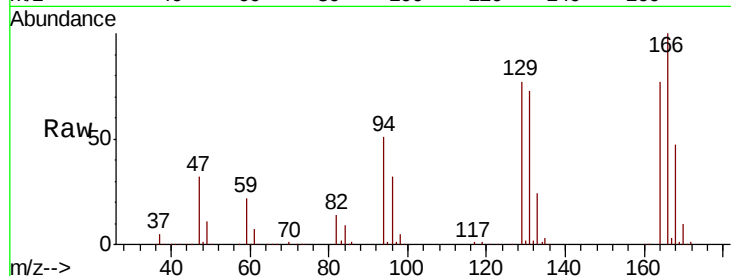




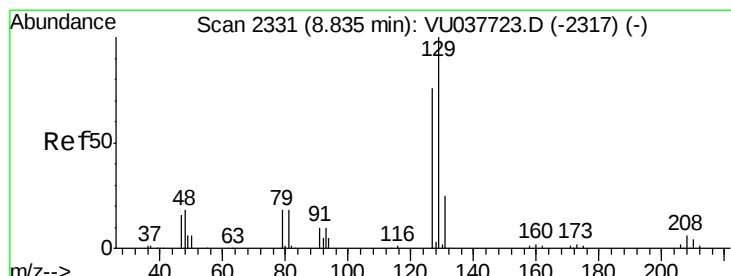
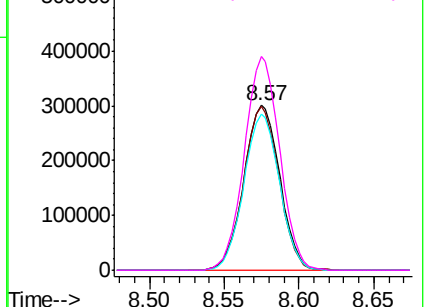
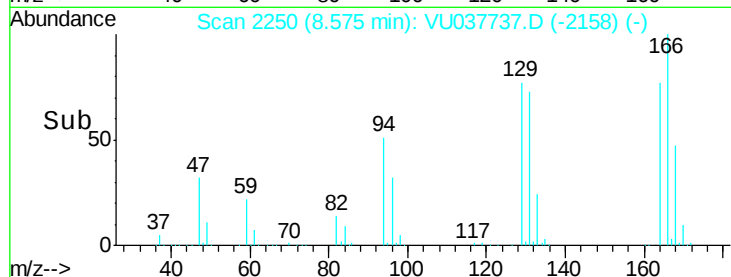
#47
Tetrachloroethene
Concen: 29.080 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.1	126.5
131	94.7	65.9	122.5
166	129.5	89.7	166.7

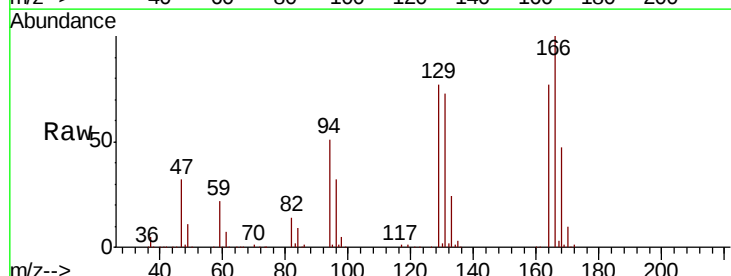


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

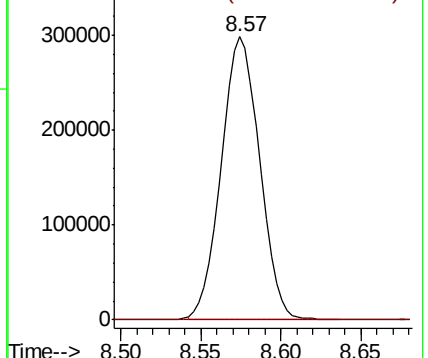
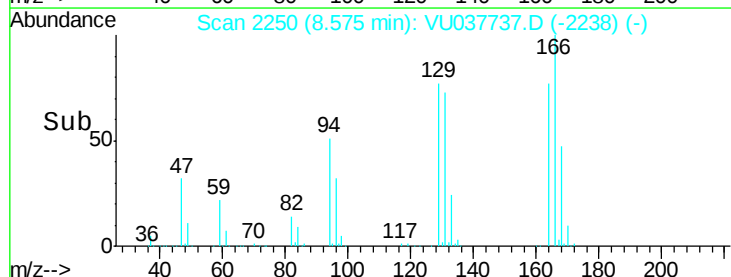


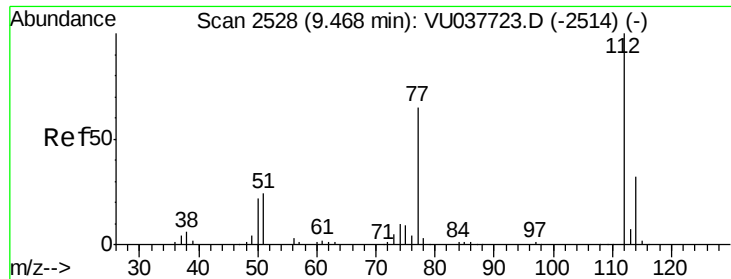
#49
Dibromochloromethane
Concen: 24.244 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

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



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

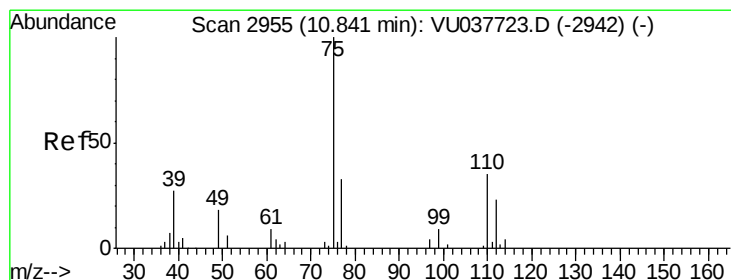
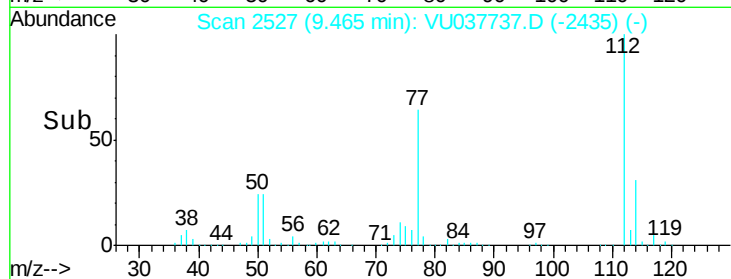
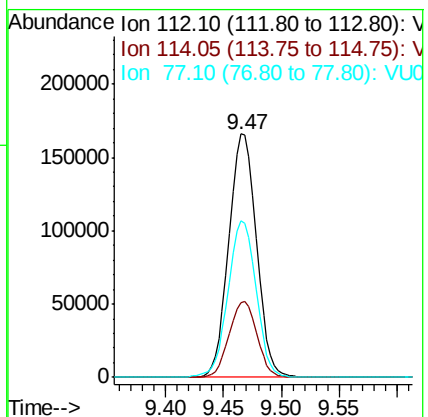
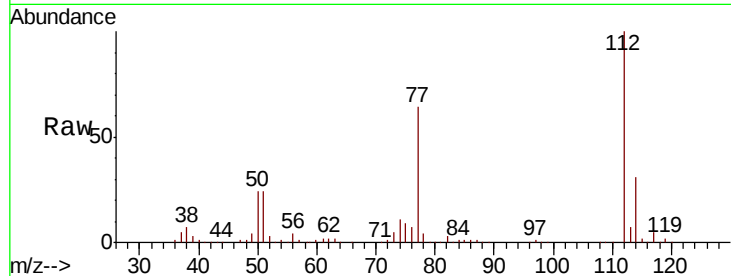




#51
Chlorobenzene
Concen: 4.354 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 273430
Ion Ratio Lower Upper
112 100
114 30.8 22.6 42.0
77 64.5 50.2 75.4



#59
1,2,3-Trichloropropane
Concen: 1.215 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.98 min
Lab File: VU037737.D
Acq: 15 Apr 2020 16:43

Tgt Ion: 75 Resp: 20718
Ion Ratio Lower Upper
75 100
77 38.9 25.4 38.2#

