

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038949.D
 Acq On : 17 Jun 2020 17:16
 Operator : SY/MD
 Sample : L3040-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 18 04:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 04:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	265097	5.00	ug/L	0.03
28) Chlorobenzene-d5	9.44	117	262306	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	80708	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.94	69	77239	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.59	63	172072	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.78	46	263669	44.77	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.54%
24) Chloroform-d	5.13	84	187713	5.13	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.77	65	108095	5.12	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.79	84	353658	5.16	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.74	67	112684	5.32	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.93	98	282375	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.21	79	44920	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.67	63	251879	49.23	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103728	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	130692	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

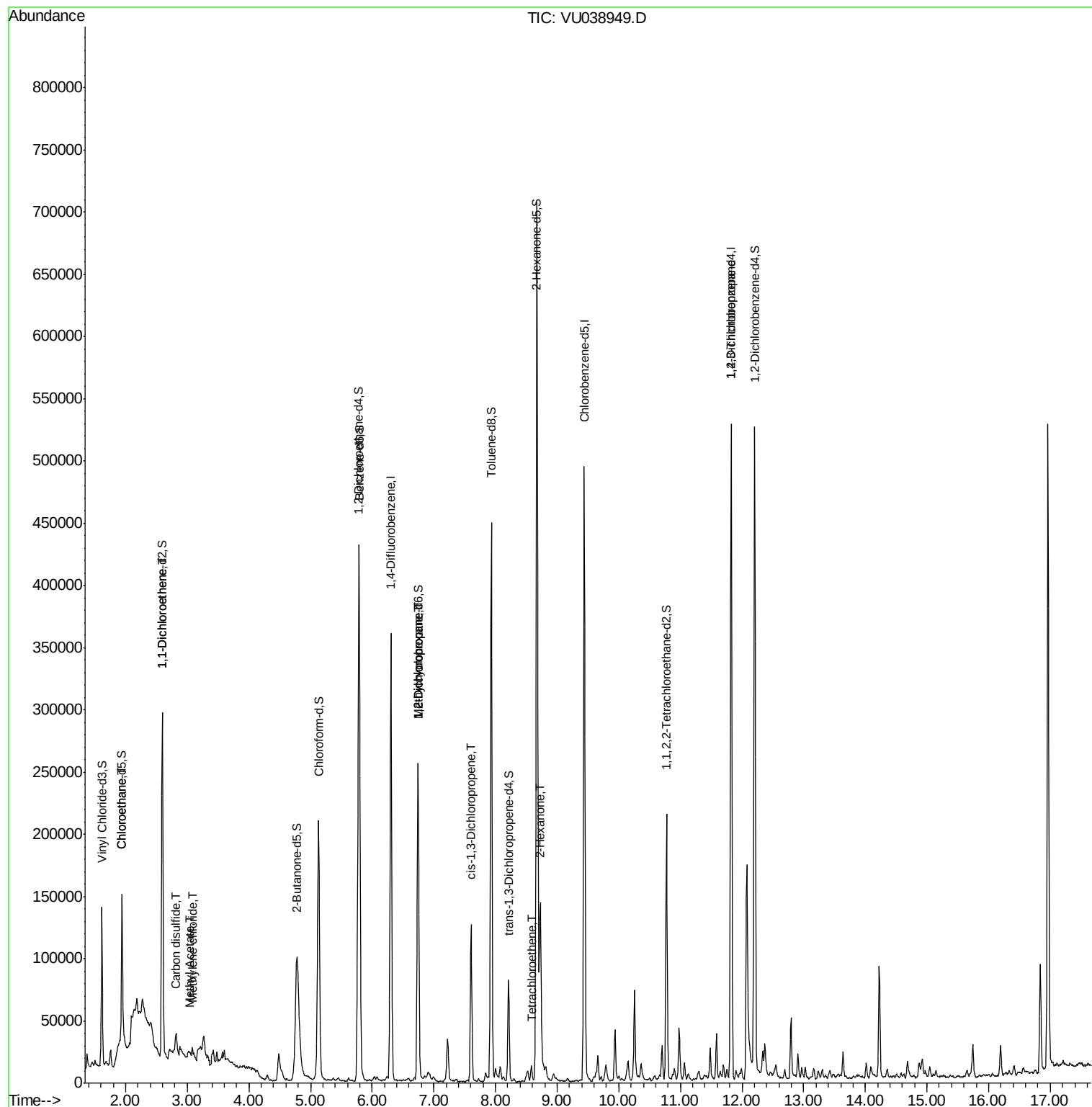
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.93	64	1338	0.085	ug/L #	52
12) 1,1-Dichloroethene	2.60	96	1687	0.090	ug/L #	1
14) Carbon disulfide	2.82	76	16572	0.263	ug/L #	93
15) Methyl Acetate	3.04	43	3851	0.392	ug/L #	88
16) Methylene chloride	3.09	84	1914	0.089	ug/L	77
35) Methylcyclohexane	6.75	83	27374	0.869	ug/L #	18
37) 1,2-Dichloropropane	6.74	63	13030	0.637	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	3560	0.118	ug/L #	61
47) Tetrachloroethene	8.58	164	1485	0.096	ug/L	87
48) 2-Hexanone	8.72	43	60640	5.677	ug/L #	95
59) 1,2,3-Trichloropropane	11.82	75	16623	1.053	ug/L #	83

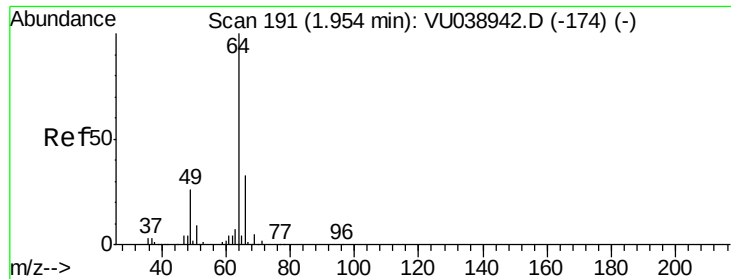
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.085 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.02 min

Lab File: VU038949.D

Acq: 17 Jun 2020 17:16

Instrument :

MSVOA_U

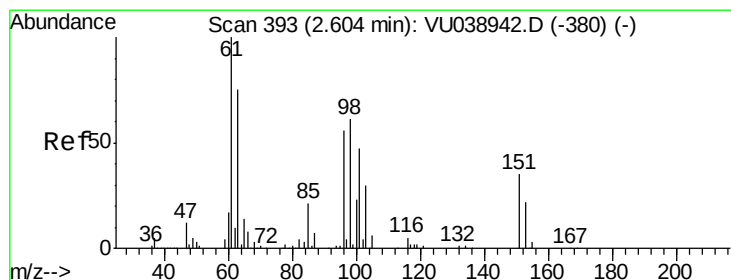
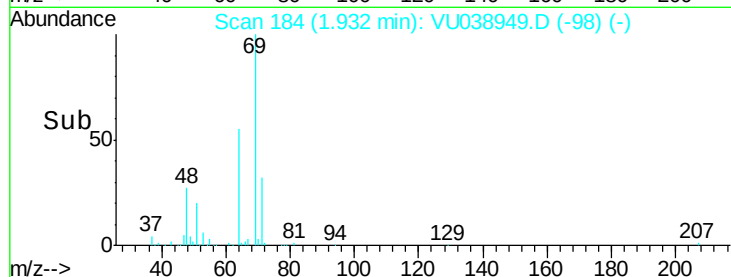
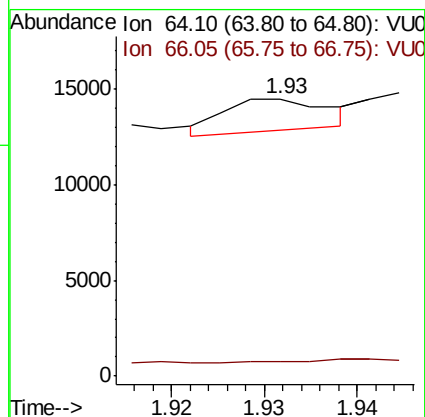
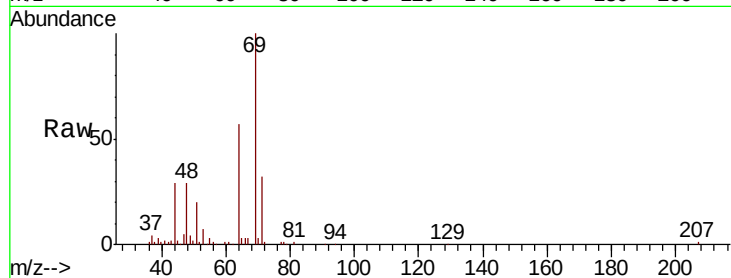
ClientSampleId :

Tot Ion: 64 Resp: 1338

Ion Ratio Lower Upper

64 100

66 5.2 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038949.D

Acq: 17 Jun 2020 17:16

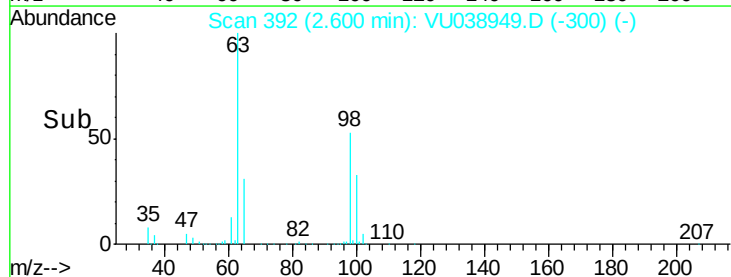
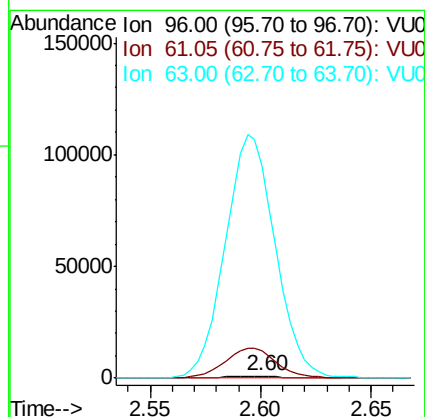
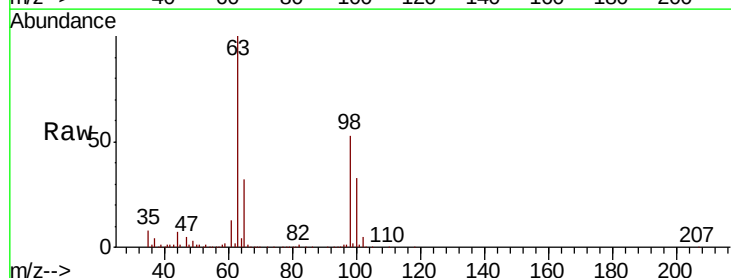
Tgt Ion: 96 Resp: 1687

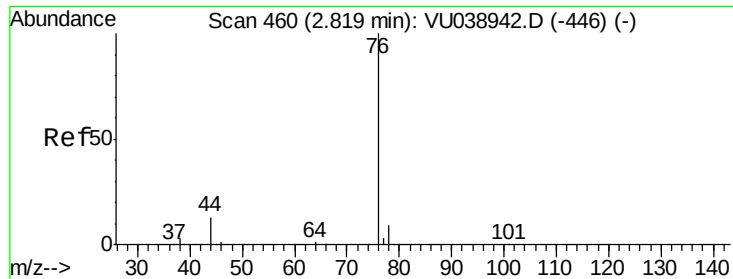
Ion Ratio Lower Upper

96 100

61 1309.9 120.3 223.5#

63 10208.8 78.7 146.1#





#14

Carbon disulfide

Concen: 0.263 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038949.D

Acq: 17 Jun 2020 17:16

Instrument :

MSVOA_U

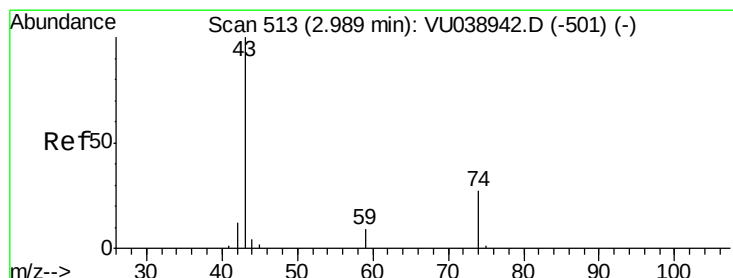
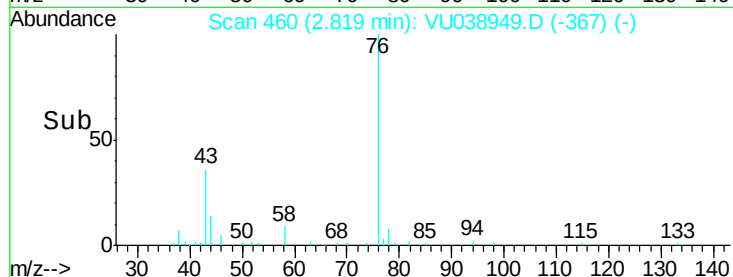
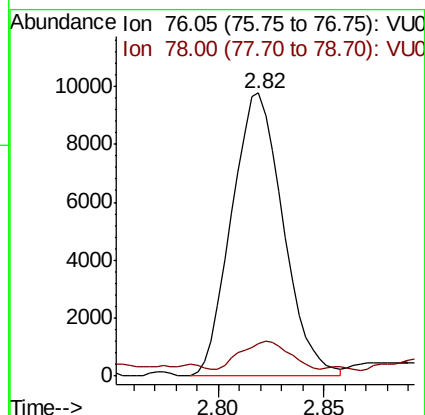
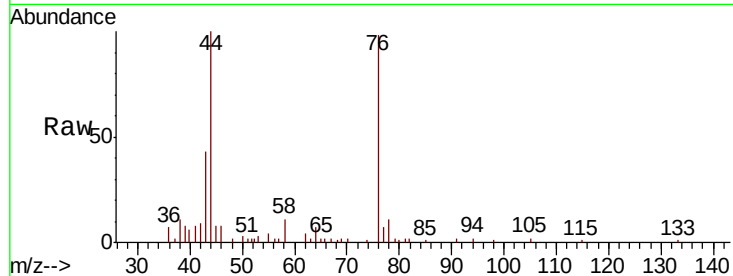
ClientSampled :

Tot Ion: 76 Resp: 16572

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.0#



#15

Methyl Acetate

Concen: 0.392 ug/L

RT: 3.04 min Scan# 529

Delta R.T. 0.05 min

Lab File: VU038949.D

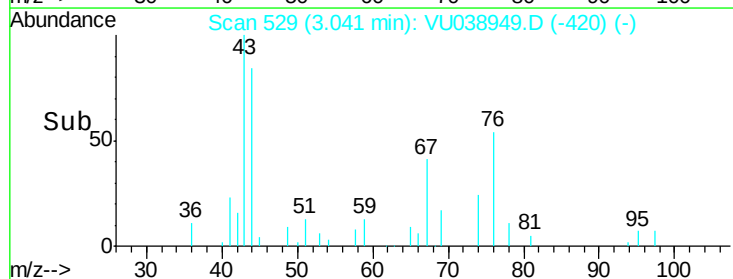
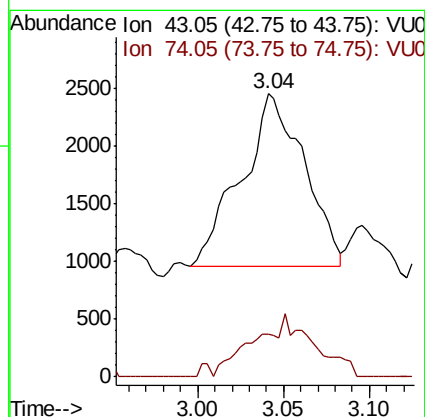
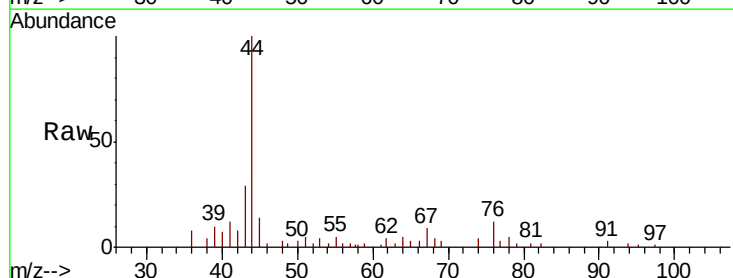
Acq: 17 Jun 2020 17:16

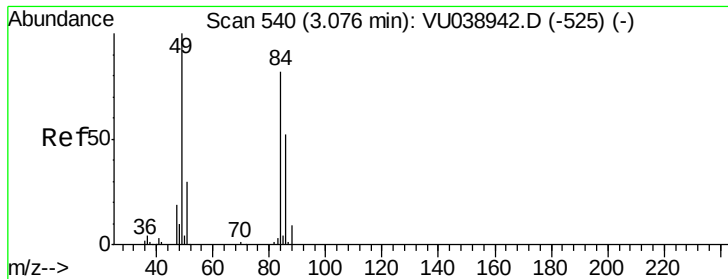
Tgt Ion: 43 Resp: 3851

Ion Ratio Lower Upper

43 100

74 34.0 22.2 33.2#

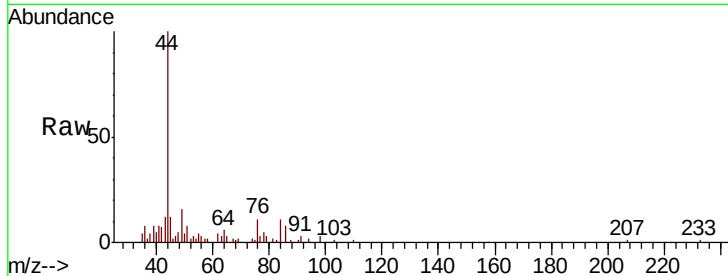




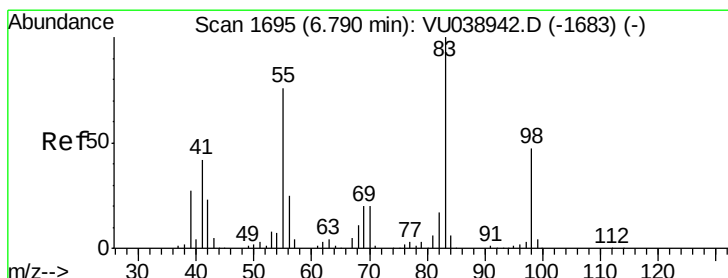
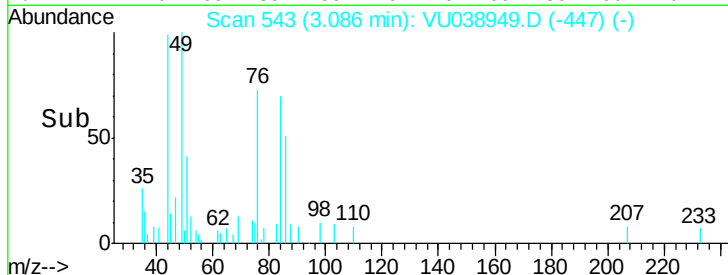
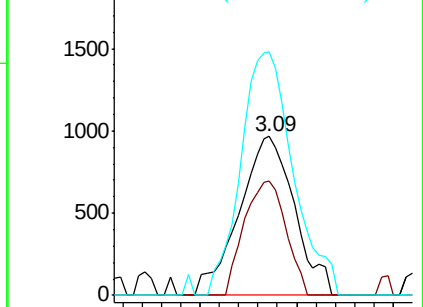
#16
Methylene chloride
Concen: 0.089 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU038949.D
Acq: 17 Jun 2020 17:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 1914
Ion Ratio Lower Upper
84 100
86 72.0 45.1 83.7
49 153.4 83.7 155.4

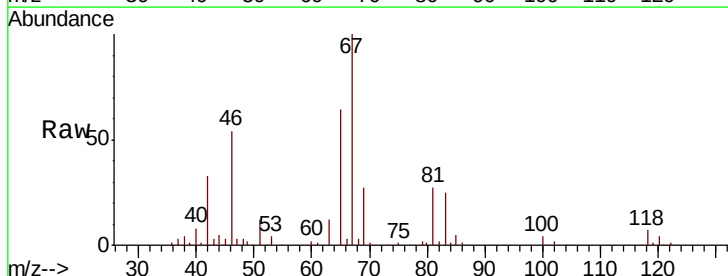


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

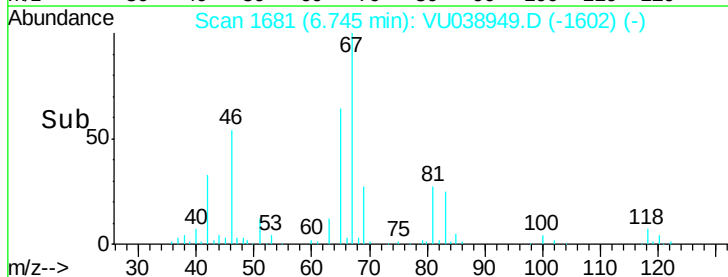
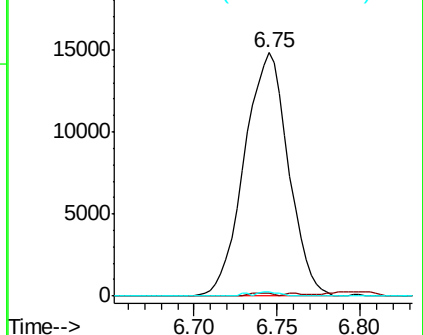


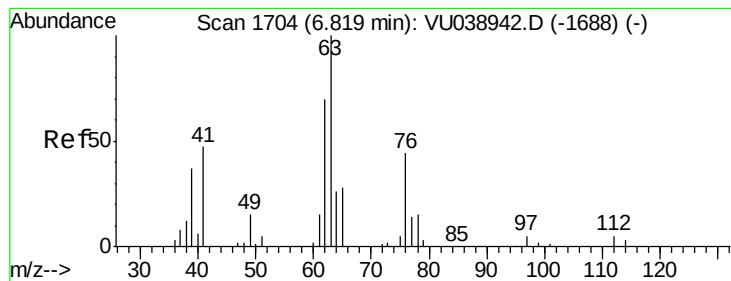
#35
Methylcyclohexane
Concen: 0.869 ug/L
RT: 6.75 min Scan# 1681
Delta R.T. -0.04 min
Lab File: VU038949.D
Acq: 17 Jun 2020 17:16

Tgt Ion: 83 Resp: 27374
Ion Ratio Lower Upper
83 100
55 0.7 61.8 92.8#
98 0.8 39.3 58.9#



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: 0.637 ug/L

RT: 6.74 min Scan# 1680

Delta R.T. -0.08 min

Lab File: VU038949.D

Acq: 17 Jun 2020 17:16

Instrument :

MSVOA_U

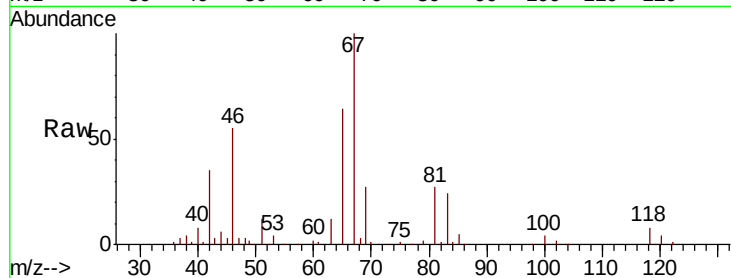
ClientSampleId :

Tot Ion: 63 Resp: 13030

Ion Ratio Lower Upper

63 100

112 0.7 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VU038942.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038942.D (-1688) (-)

8000

6000

4000

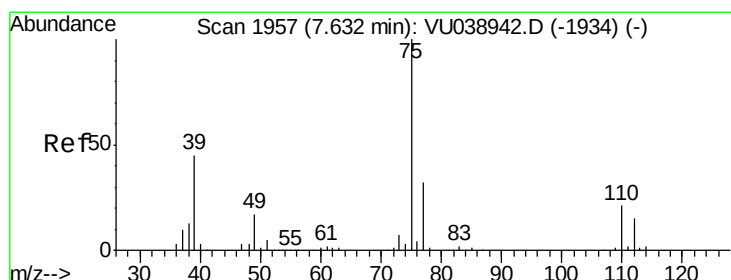
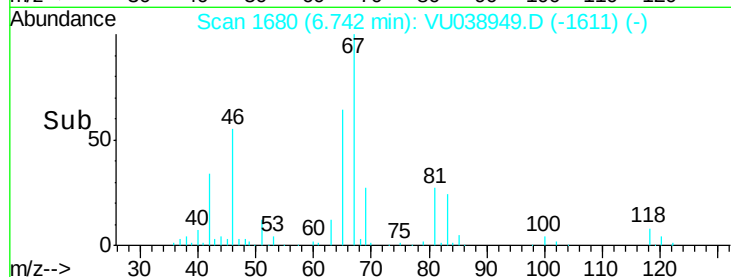
2000

0

6.70 6.75 6.80

6.74

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.03 min

Lab File: VU038949.D

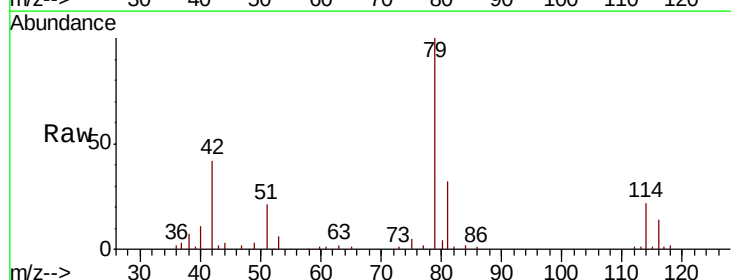
Acq: 17 Jun 2020 17:16

Tgt Ion: 75 Resp: 3560

Ion Ratio Lower Upper

75 100

77 53.5 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038942.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038942.D (-1934) (-)

2000

1500

1000

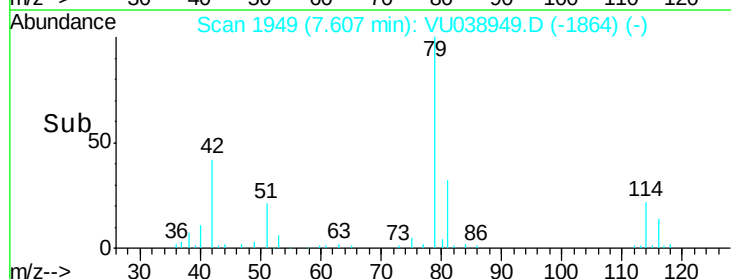
500

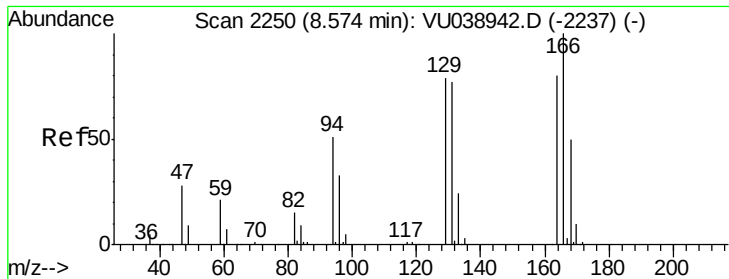
0

7.55 7.60 7.65

7.61

Time-->

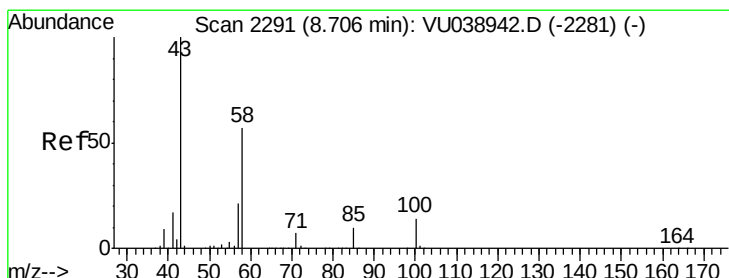
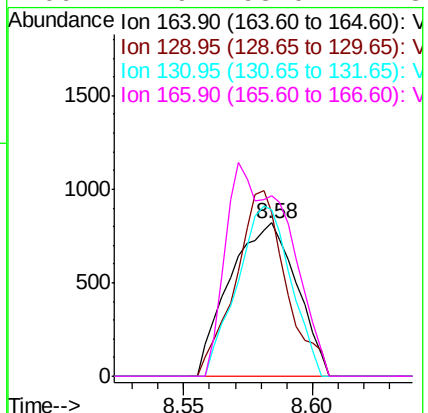
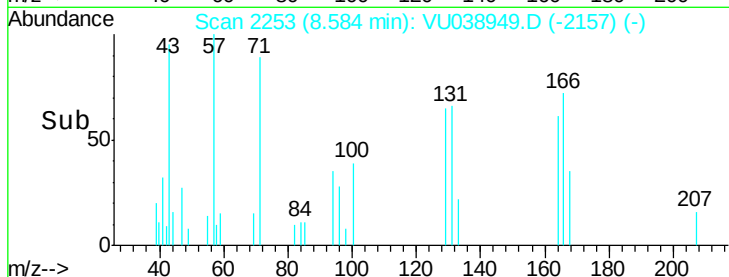
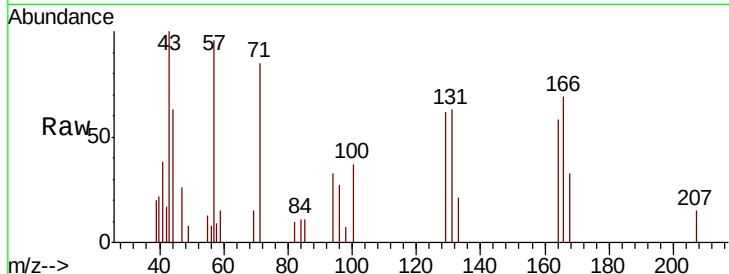




#47
Tetrachloroethene
Concen: 0.096 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VU038949.D
Acq: 17 Jun 2020 17:16

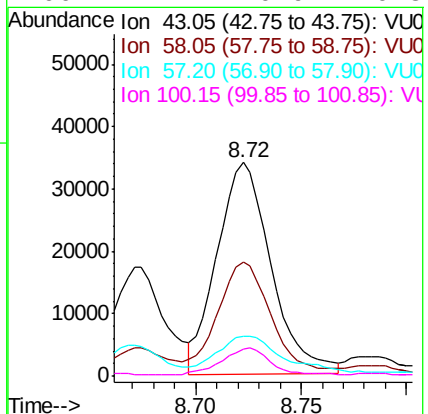
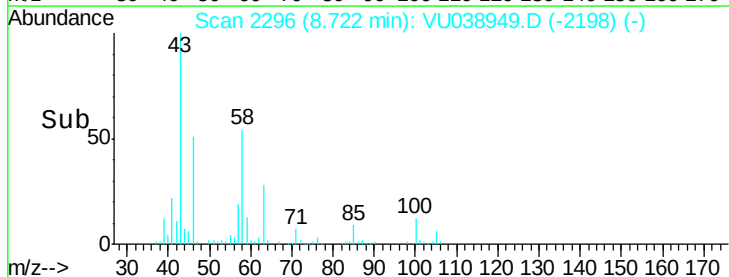
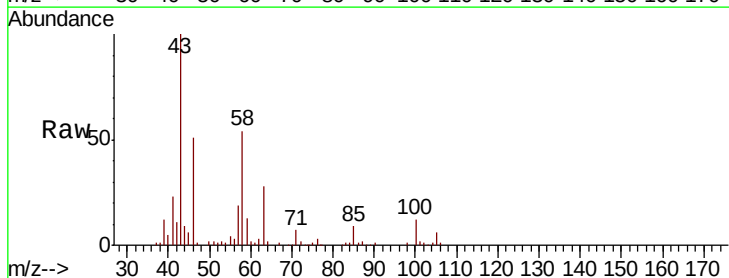
Instrument :
MSVOA_U
ClientSampled :

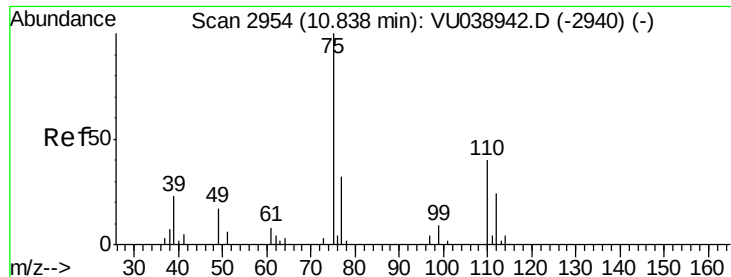
Tot Ion:	164	Resp:	1485
Ion	Ratio	Lower	Upper
164	100		
129	106.7	66.1	122.8
131	108.6	65.7	122.1
166	117.9	93.0	172.8



#48
2-Hexanone
Concen: 5.677 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.02 min
Lab File: VU038949.D
Acq: 17 Jun 2020 17:16

Tgt Ion:	43	Resp:	60640
Ion	Ratio	Lower	Upper
43	100		
58	53.5	45.2	67.8
57	24.6	16.1	24.1#
100	12.7	10.9	16.3





#59

1,2,3-Trichloropropane

Concen: 1.053 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038949.D

Acq: 17 Jun 2020 17:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 16623

Ion Ratio Lower Upper

75 100

77 41.0 25.4 38.0#

