

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031420\
 Data File : VU037271.D
 Acq On : 14 Mar 2020 18:38
 Operator : JC/MD
 Sample : L1923-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0NG2

Quant Time: Mar 16 05:19:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 05:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	120832	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	120888	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	49042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36580	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.93	69	31873	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.59	63	52953	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.67	46	98112	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	5.11	84	74395	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.74	65	45584	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	138073	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.72	67	44699	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.93	98	124052	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.21	79	16988	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.66	63	74159	45.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	36552	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	44120	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

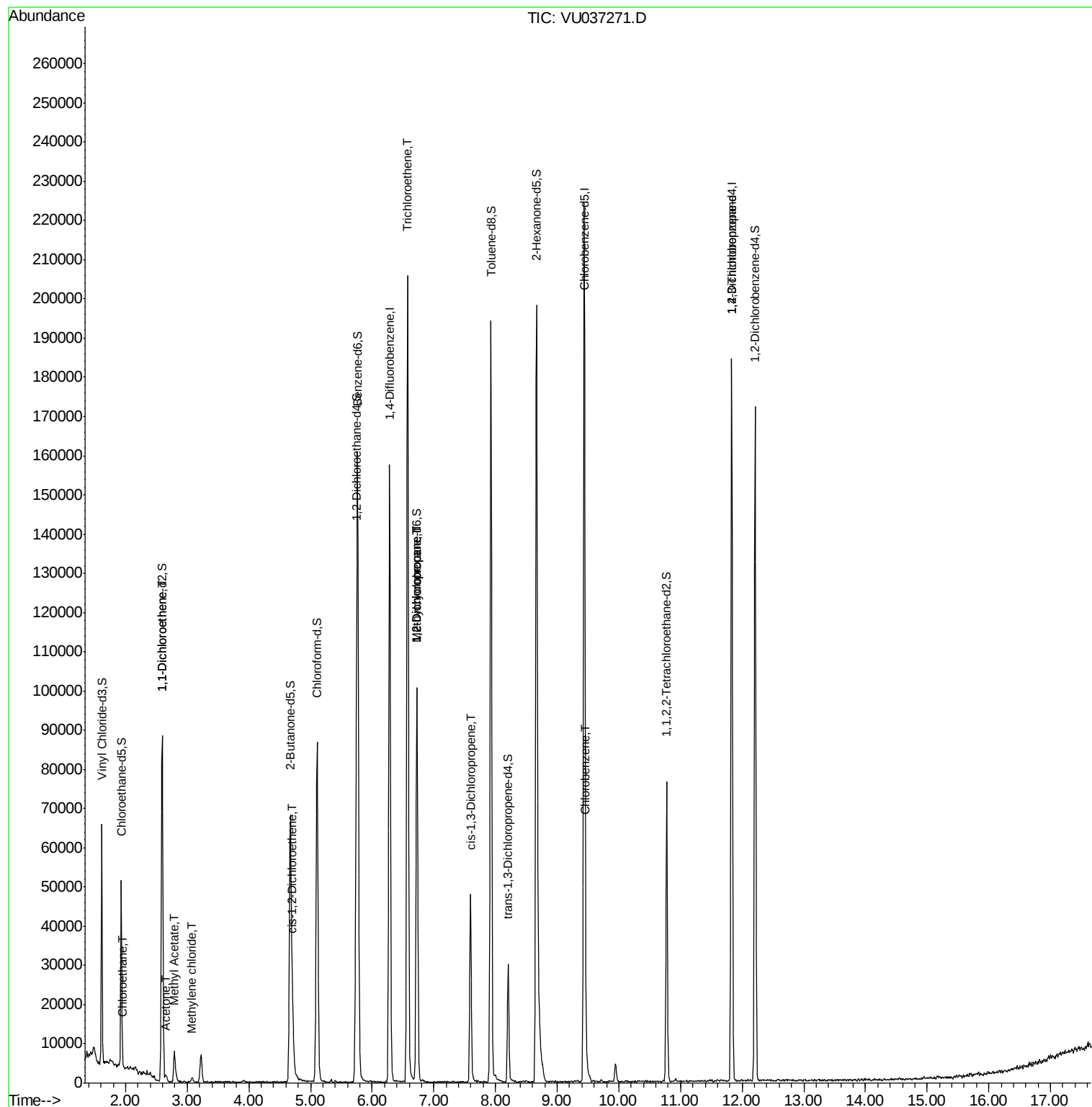
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	606	0.099	ug/L #	43
12) 1,1-Dichloroethene	2.60	96	4322	0.548	ug/L #	1
13) Acetone	2.66	43	2273	1.367	ug/L	97
15) Methyl Acetate	2.79	43	2267	0.582	ug/L #	55
16) Methylene chloride	3.08	84	647	0.068	ug/L	89
22) cis-1,2-Dichloroethene	4.71	96	6340	0.691	ug/L	99
34) Trichloroethene	6.57	95	71309	7.388	ug/L	98
35) Methylcyclohexane	6.73	83	10604	0.711	ug/L #	15
37) 1,2-Dichloropropane	6.73	63	5913	0.629	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	1254	0.093	ug/L #	65
51) Chlorobenzene	9.47	112	3342	0.135	ug/L	85
59) 1,2,3-Trichloropropane	11.83	75	6385	0.949	ug/L	89

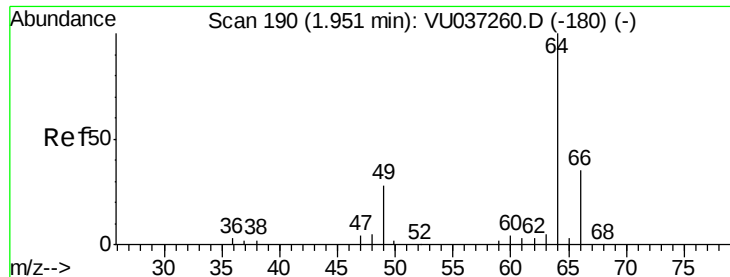
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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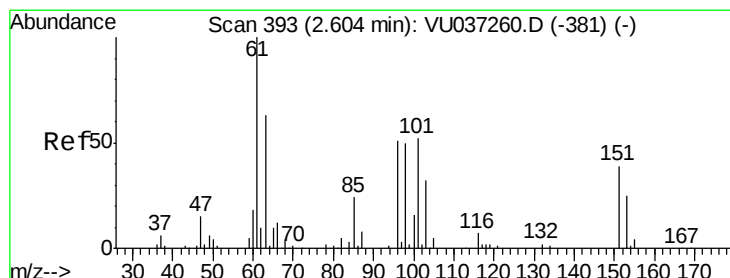
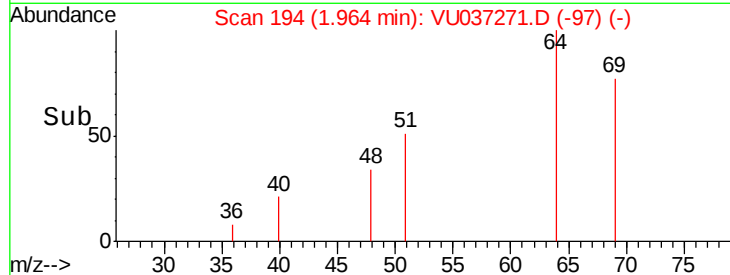
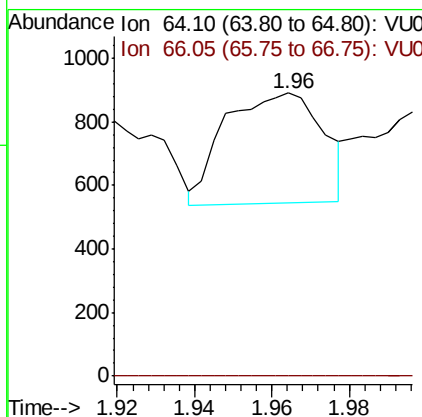
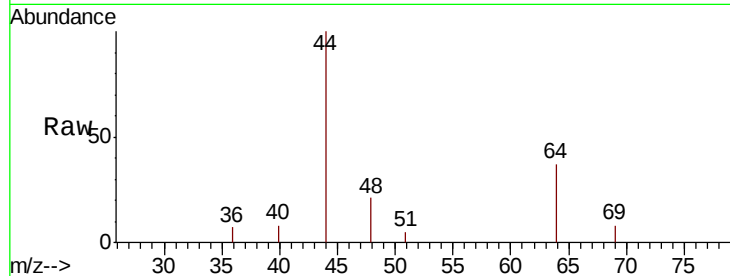




#8
 Chloroethane
 Concen: 0.099 ug/L
 RT: 1.96 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VU037271.D
 Acq: 14 Mar 2020 18:38

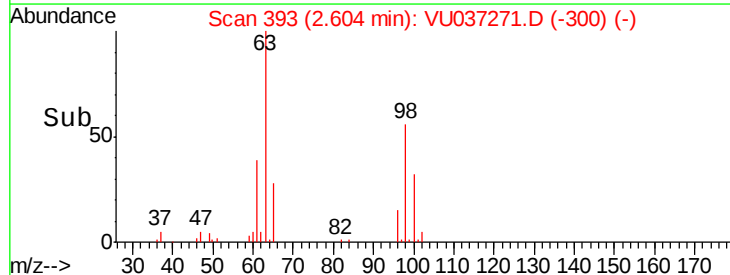
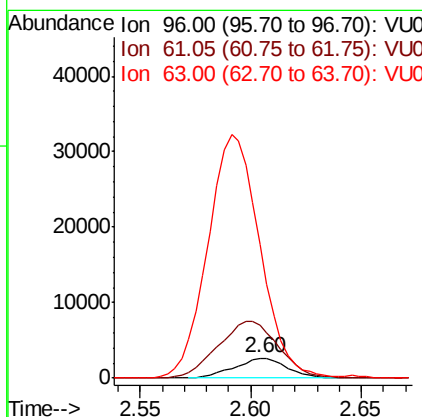
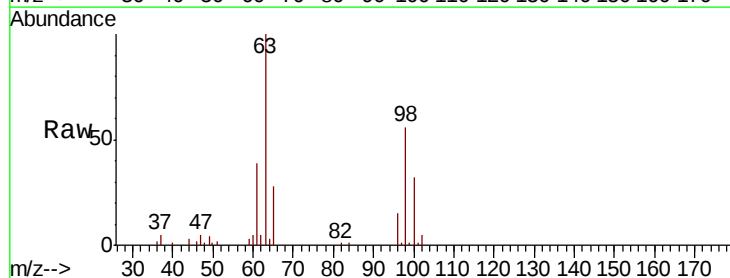
Instrument :
 MSVOA_U
 ClientSampled :
 CONG2

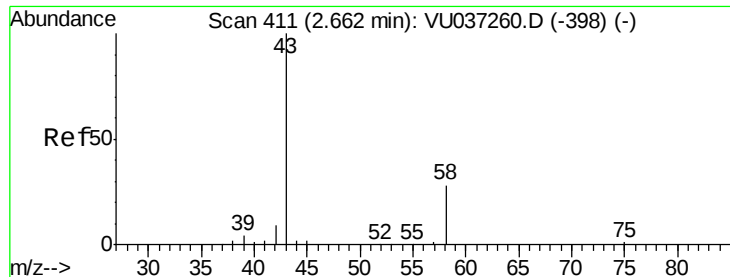
Tot Ion: 64 Resp: 606
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.0 40.8#



#12
 1,1-Dichloroethene
 Concen: 0.548 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU037271.D
 Acq: 14 Mar 2020 18:38

Tgt Ion: 96 Resp: 4322
 Ion Ratio Lower Upper
 96 100
 61 267.5 136.4 253.2#
 63 683.1 86.2 160.0#





#13

Acetone

Concen: 1.367 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037271.D

Acq: 14 Mar 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

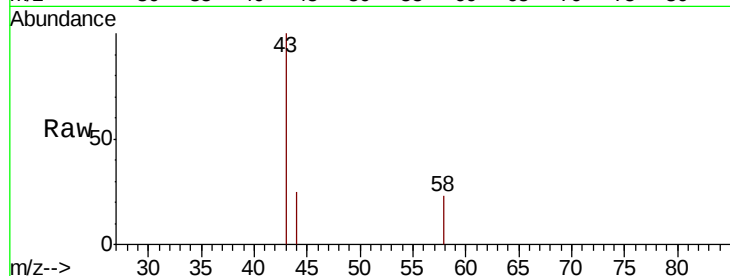
C0NG2

Tot Ion: 43 Resp: 2273

Ion Ratio Lower Upper

43 100

58 24.5 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037271.D (-418) (-)

Ion 58.05 (57.75 to 58.75): VU037271.D (-418) (-)

2.66

1500

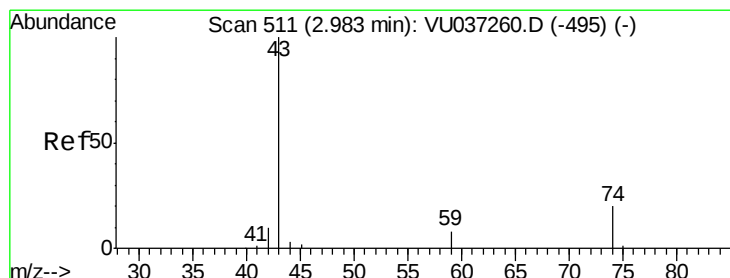
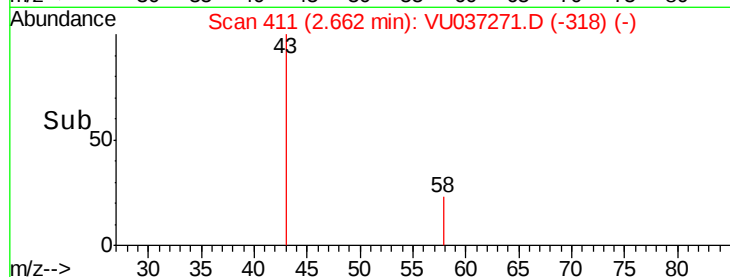
1000

500

0

2.60 2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 0.582 ug/L

RT: 2.79 min Scan# 450

Delta R.T. -0.20 min

Lab File: VU037271.D

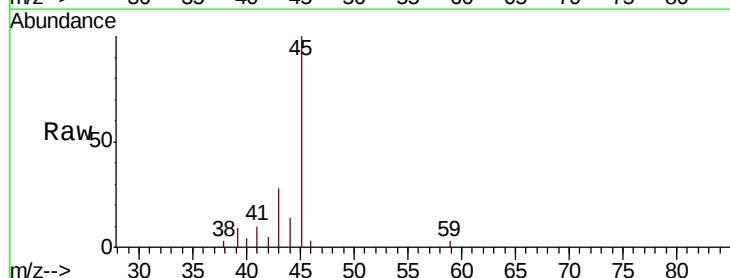
Acq: 14 Mar 2020 18:38

Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

74 0.0 17.1 25.7#



Abundance Ion 43.05 (42.75 to 43.75): VU037271.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VU037271.D (-418) (-)

2.79

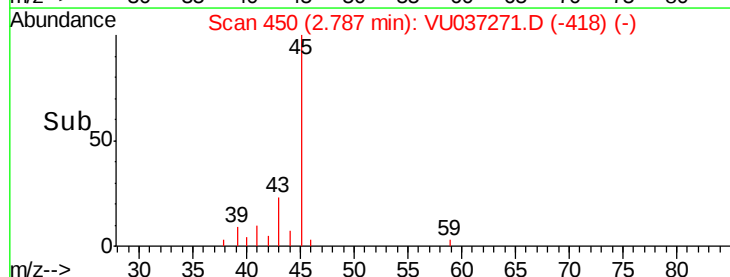
1000

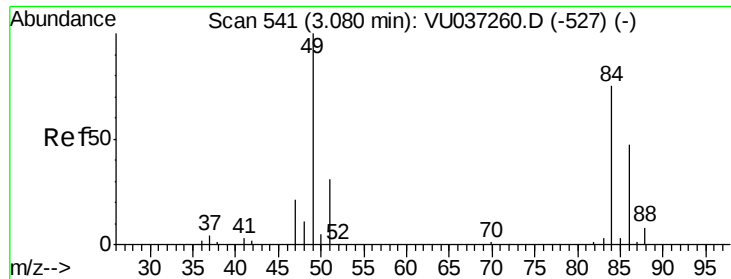
500

0

2.75 2.80 2.85

Time-->

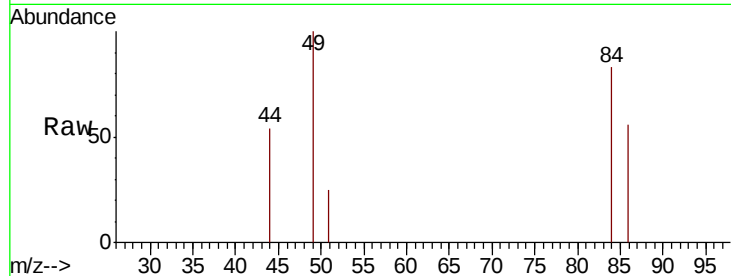




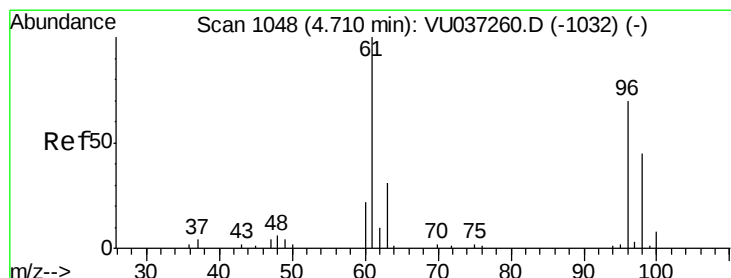
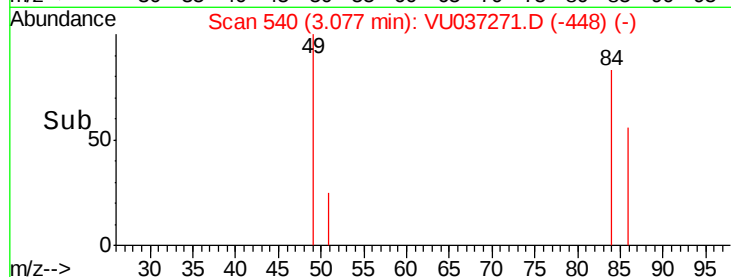
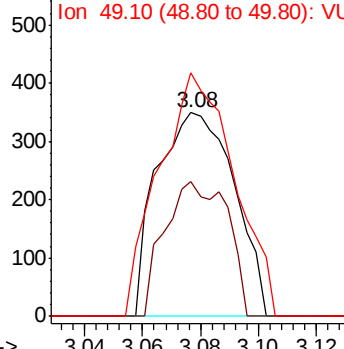
#16
Methylene chloride
Concen: 0.068 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037271.D
Acq: 14 Mar 2020 18:38

Instrument :
MSVOA_U
ClientSampleId :
C0NG2

Tot Ion: 84 Resp: 647
Ion Ratio Lower Upper
84 100
86 66.5 44.3 82.3
49 119.8 95.3 177.1

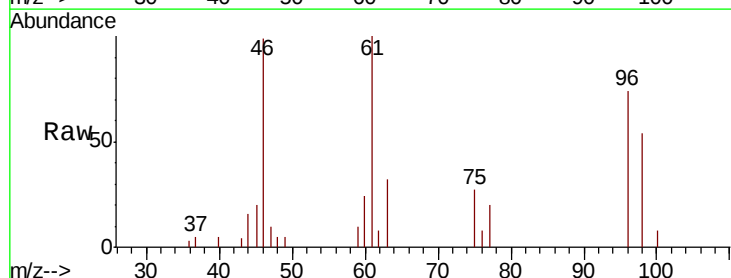


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

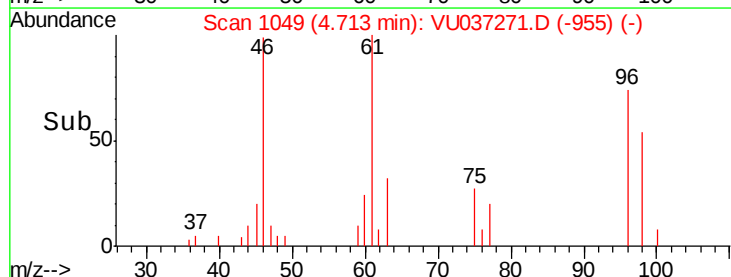
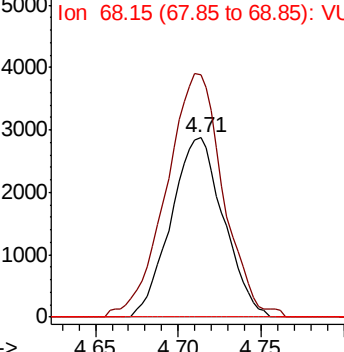


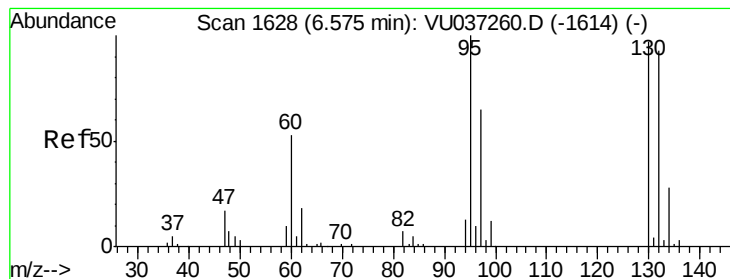
#22
cis-1,2-Dichloroethene
Concen: 0.691 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU037271.D
Acq: 14 Mar 2020 18:38

Tgt Ion: 96 Resp: 6340
Ion Ratio Lower Upper
96 100
61 135.2 94.1 174.8
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: 7.388 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037271.D

Acq: 14 Mar 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

C0NG2

Tot Ion: 95 Resp: 71309

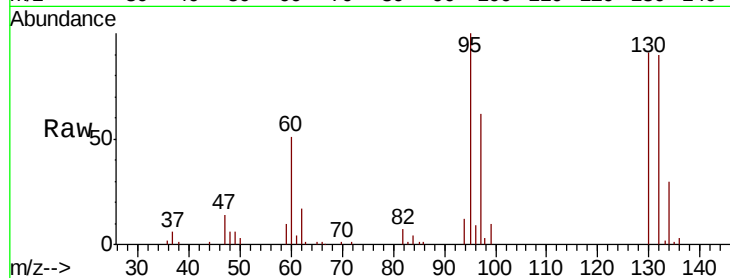
Ion Ratio Lower Upper

95 100

97 62.1 45.4 84.4

132 89.9 63.7 118.3

130 90.7 64.8 120.4

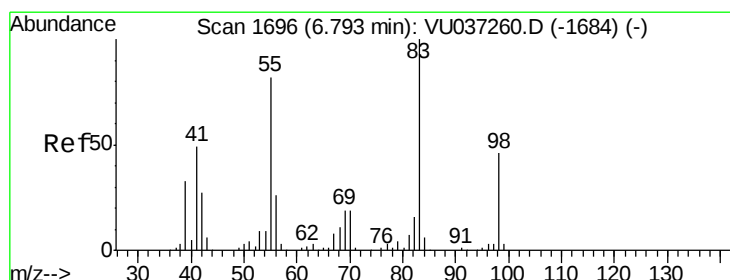
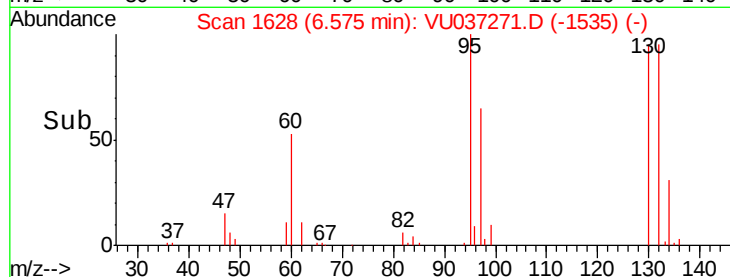
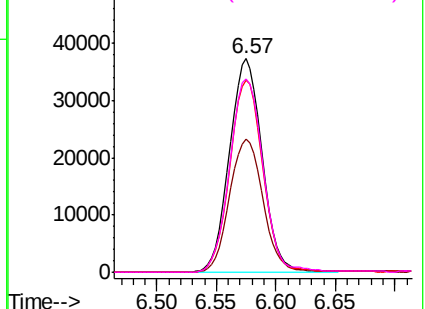


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.711 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037271.D

Acq: 14 Mar 2020 18:38

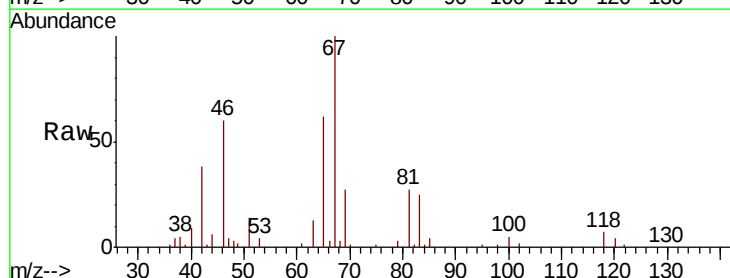
Tgt Ion: 83 Resp: 10604

Ion Ratio Lower Upper

83 100

55 0.0 68.1 102.1#

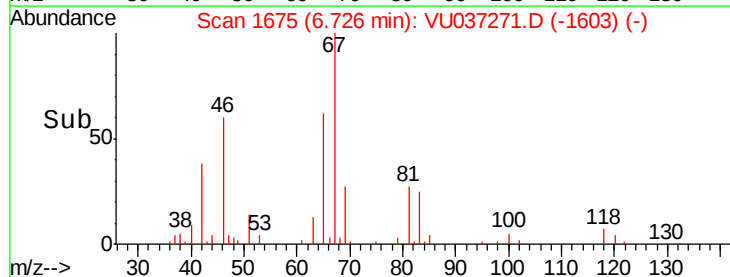
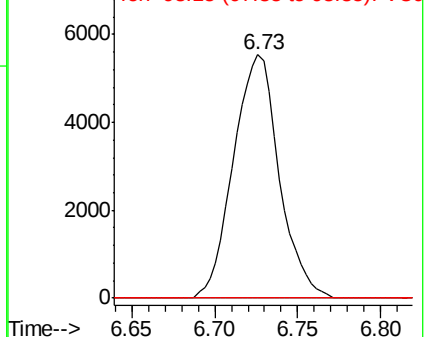
98 0.0 37.0 55.4#

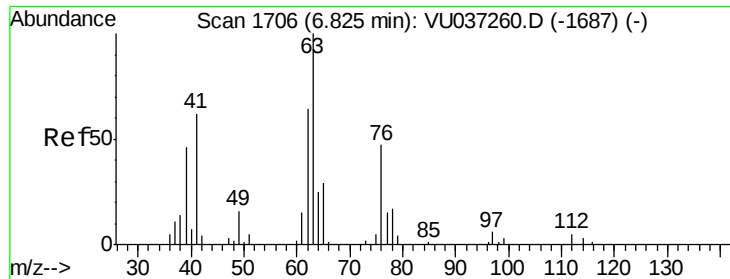


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.629 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU037271.D

Acq: 14 Mar 2020 18:38

Instrument :

MSVOA_U

ClientSampleId :

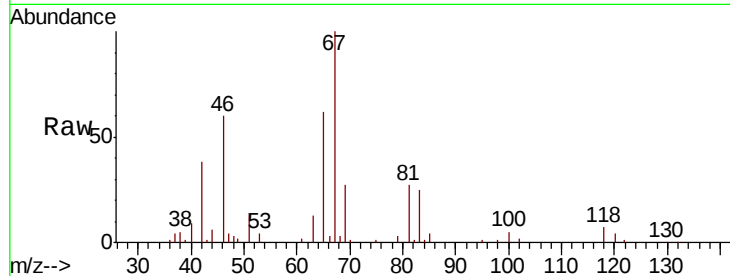
C0NG2

Tot Ion: 63 Resp: 5913

Ion Ratio Lower Upper

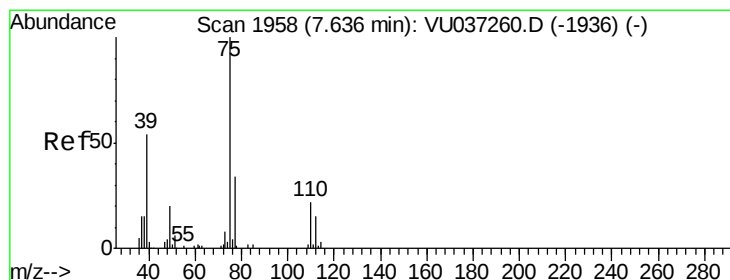
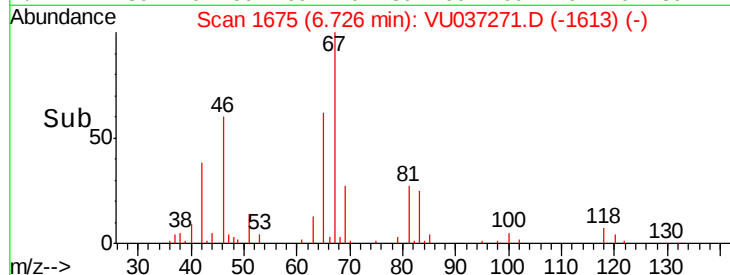
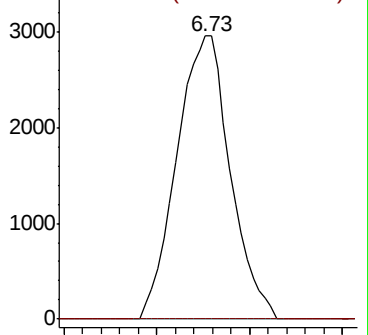
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU037260.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037260.D (-1687) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.04 min

Lab File: VU037271.D

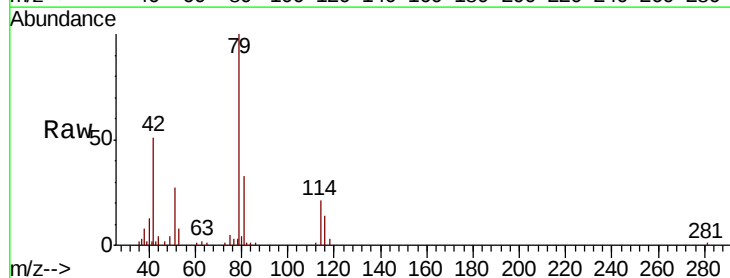
Acq: 14 Mar 2020 18:38

Tgt Ion: 75 Resp: 1254

Ion Ratio Lower Upper

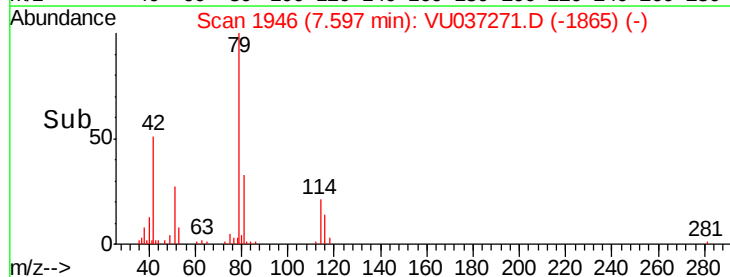
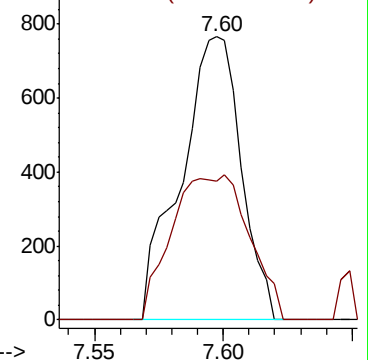
75 100

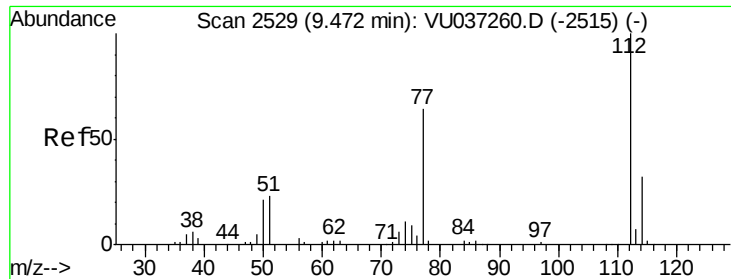
77 49.2 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VU037260.D (-1936) (-)

Ion 77.05 (76.75 to 77.75): VU037260.D (-1936) (-)

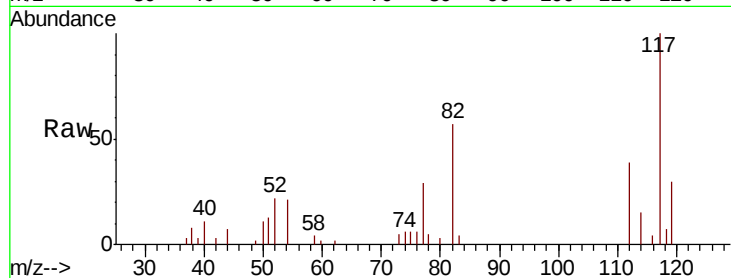




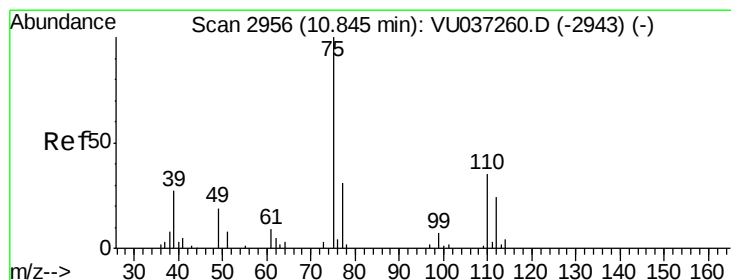
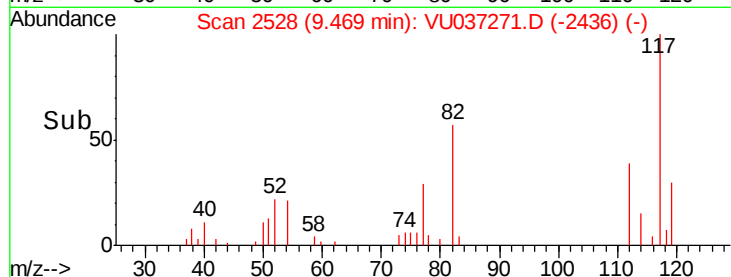
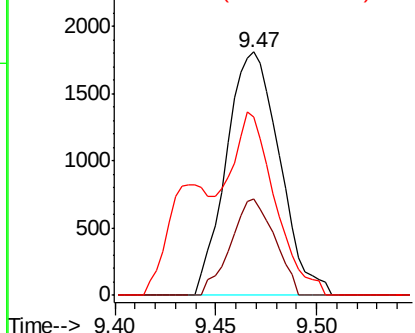
#51
Chlorobenzene
Concen: 0.135 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037271.D
Acq: 14 Mar 2020 18:38

Instrument :
MSVOA_U
ClientSampleId :
C0NG2

Tot Ion:112 Resp: 3342
Ion Ratio Lower Upper
112 100
114 39.8 22.0 40.8
77 73.5 49.4 74.2

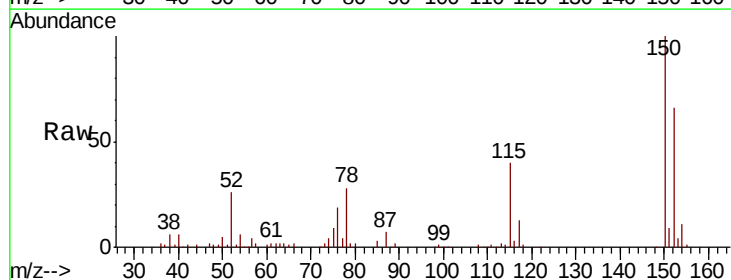


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.949 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. 0.98 min
Lab File: VU037271.D
Acq: 14 Mar 2020 18:38

Tgt Ion: 75 Resp: 6385
Ion Ratio Lower Upper
75 100
77 40.4 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

