

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041781.D
 Acq On : 23 Dec 2020 14:40
 Operator : SY/MD
 Sample : L5161-14DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB239DL

Quant Time: Dec 24 01:11:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127251	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121751	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38635	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.92	69	40567	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	61655	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.66	46	124923	43.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.42%
24) Chloroform-d	5.08	84	78988	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	44611	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	150564	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	49129	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.91	98	120138	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	8.19	79	19211	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	111243	41.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44786	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	43567	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

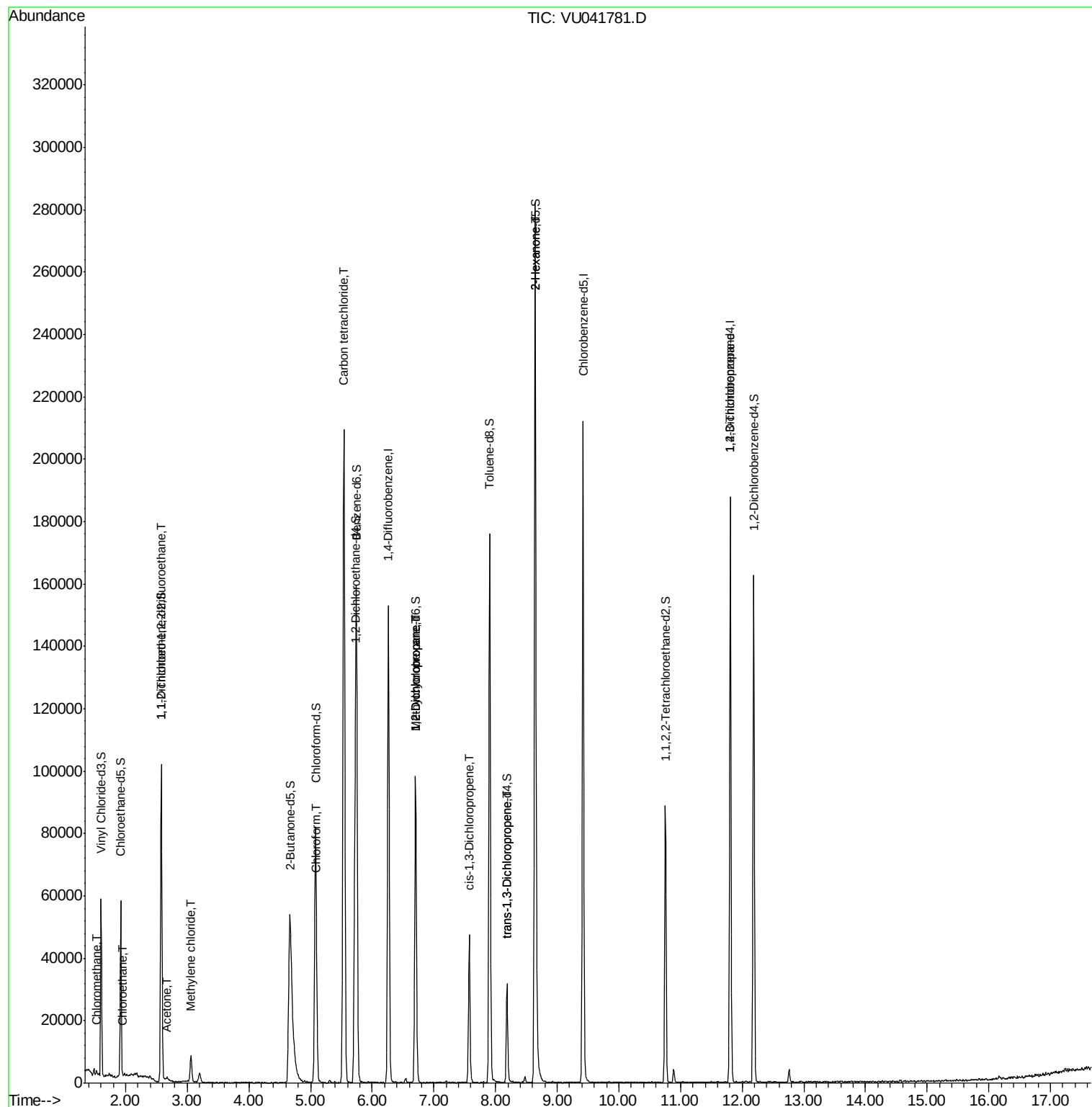
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1063	0.101	ug/L	91
8) Chloroethane	1.95	64	363	0.046	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	470	0.054	ug/L #	22
13) Acetone	2.67	43	1974	1.086	ug/L	50
16) Methylene chloride	3.07	84	4250	0.412	ug/L	85
25) Chloroform	5.11	83	919	0.055	ug/L	88
31) Carbon tetrachloride	5.54	117	148683	12.298	ug/L	99
35) Methylcyclohexane	6.71	83	10862	0.687	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5313	0.533	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1029	0.070	ug/L #	34
44) trans-1,3-Dichloropropene	8.19	75	799	0.061	ug/L #	77
48) 2-Hexanone	8.64	43	11746	2.277	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	5251	0.702	ug/L	94

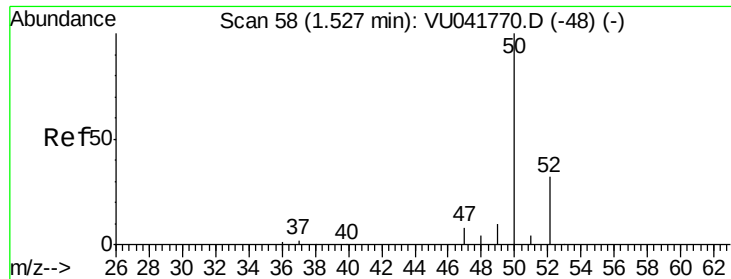
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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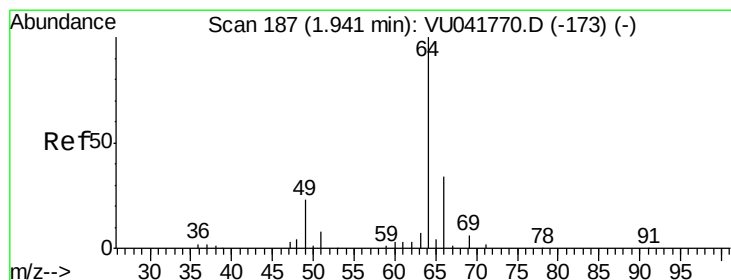
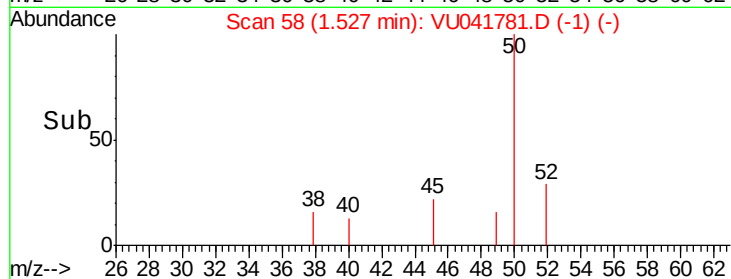
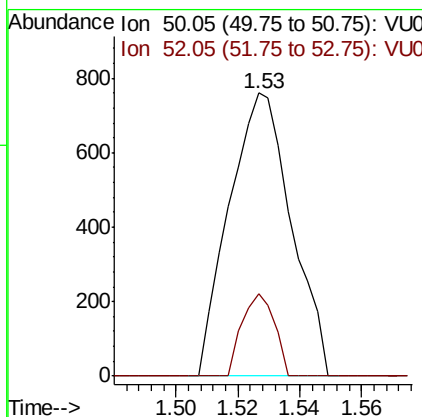
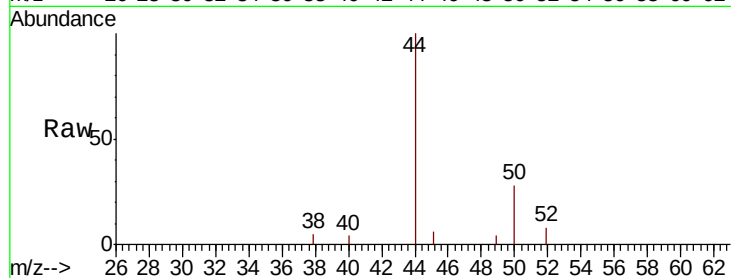




#3
 Chloromethane
 Concen: 0.101 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU041781.D
 Acq: 23 Dec 2020 14:40

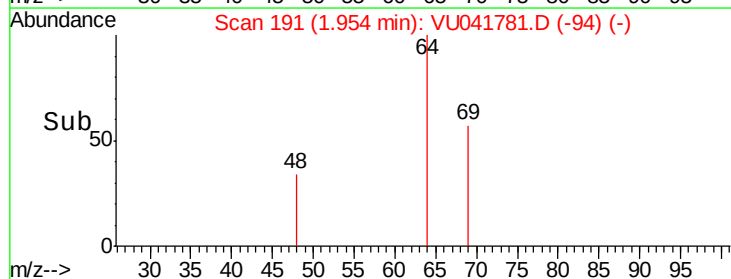
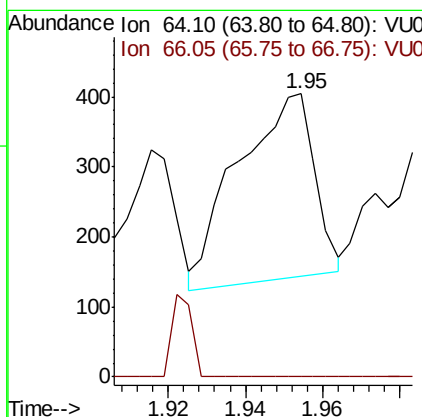
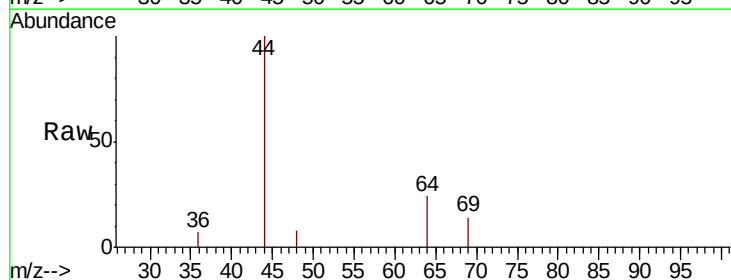
Instrument :
 MSVOA_U
 ClientSampleId :
 GB239DL

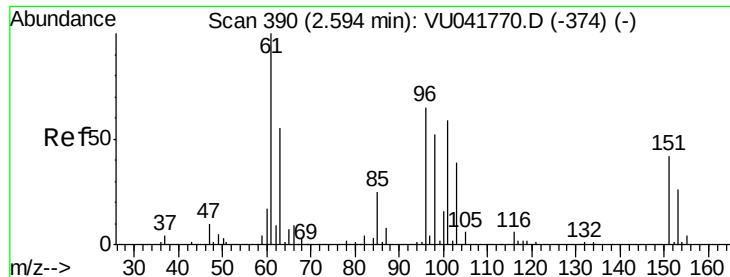
Tot Ion: 50 Resp: 1063
 Ion Ratio Lower Upper
 50 100
 52 29.2 24.1 44.8



#8
 Chloroethane
 Concen: 0.046 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: VU041781.D
 Acq: 23 Dec 2020 14:40

Tgt Ion: 64 Resp: 363
 Ion Ratio Lower Upper
 64 100
 66 0.0 21.6 40.0#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.054 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

GB239DL

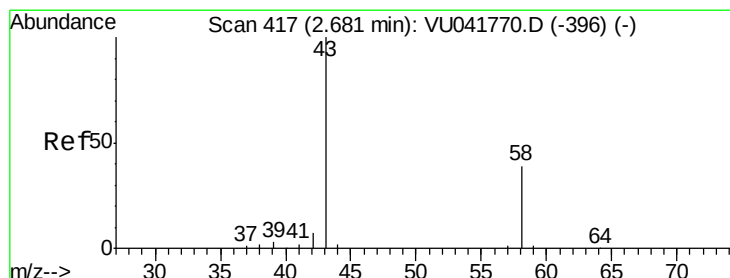
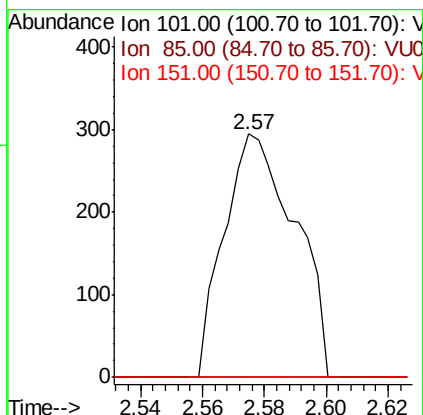
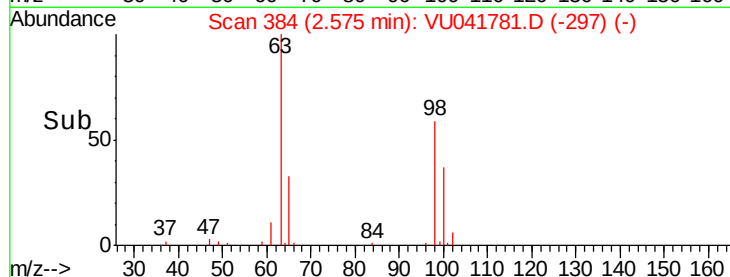
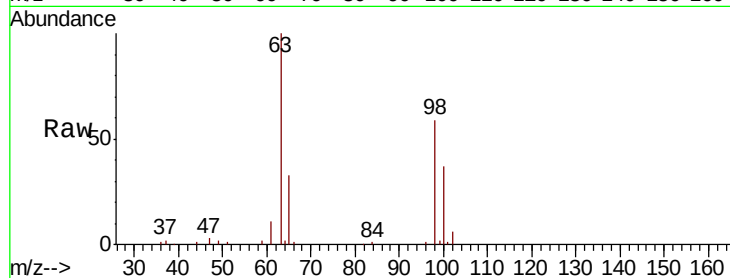
Tot Ion:101 Resp: 470

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#13

Acetone

Concen: 1.086 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU041781.D

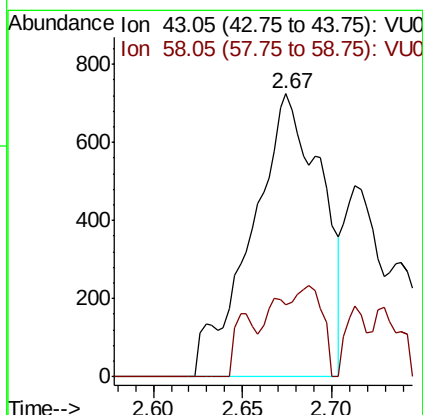
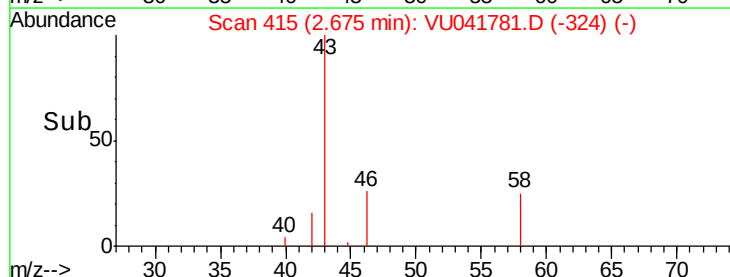
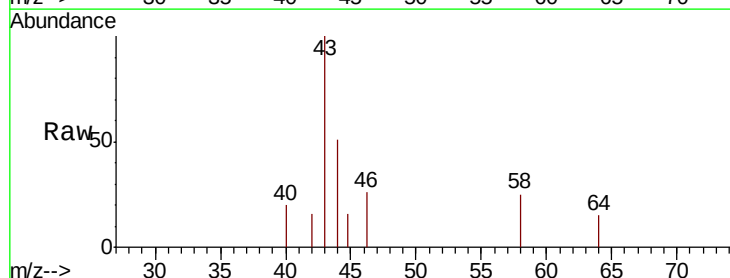
Acq: 23 Dec 2020 14:40

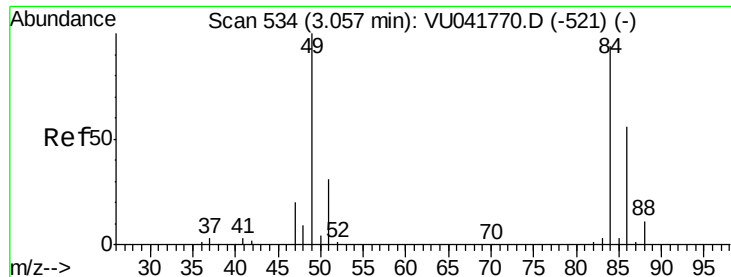
Tgt Ion: 43 Resp: 1974

Ion Ratio Lower Upper

43 100

58 6.9 0.0 73.2

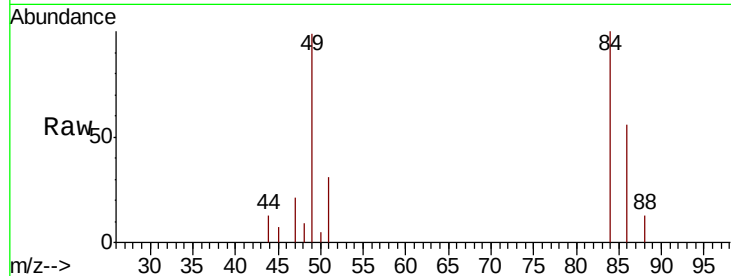




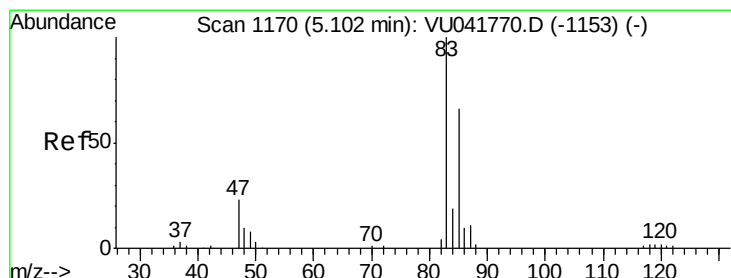
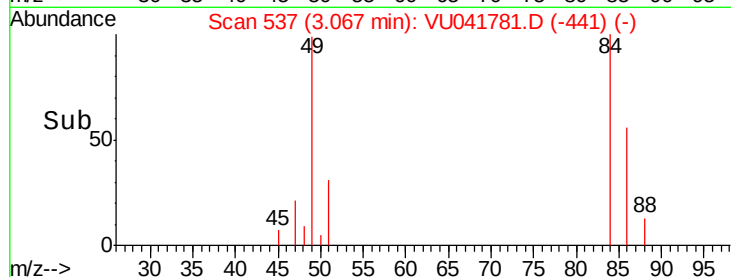
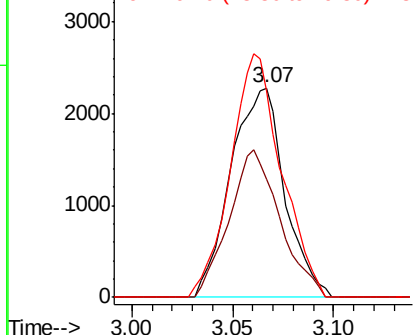
#16
Methylene chloride
Concen: 0.412 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU041781.D
Acq: 23 Dec 2020 14:40

Instrument :
MSVOA_U
ClientSampleId :
GB239DL

Tot Ion: 84 Resp: 4250
Ion Ratio Lower Upper
84 100
86 56.4 45.1 83.7
49 98.5 83.1 154.3

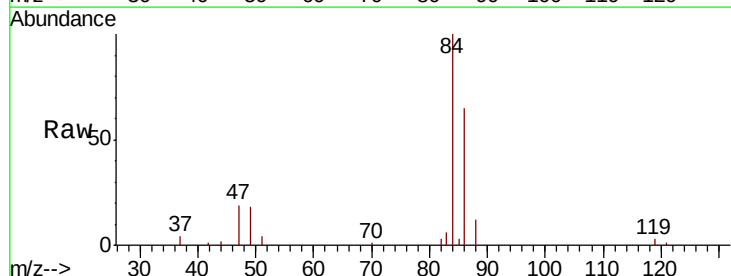


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

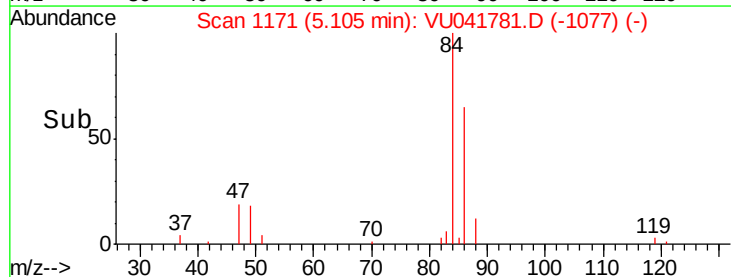
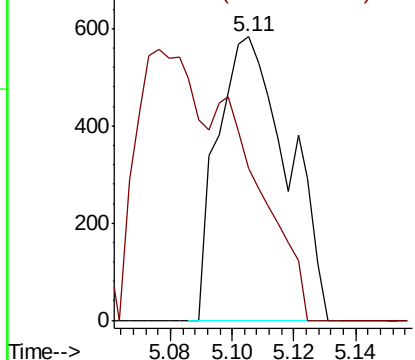


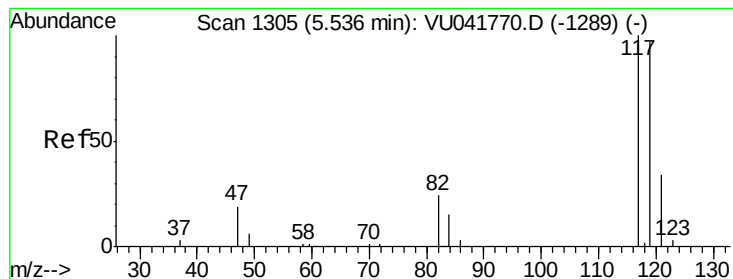
#25
Chloroform
Concen: 0.055 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041781.D
Acq: 23 Dec 2020 14:40

Tgt Ion: 83 Resp: 919
Ion Ratio Lower Upper
83 100
85 53.5 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 12.298 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

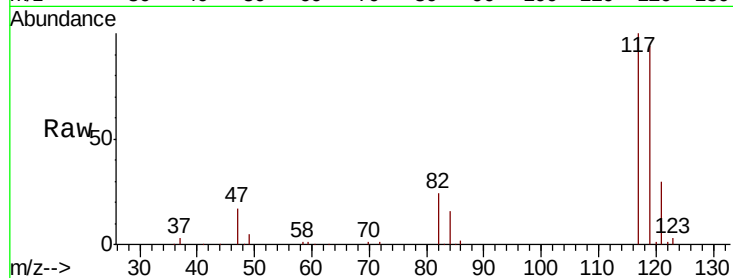
GB239DL

Tot Ion:117 Resp: 148683

Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

80000

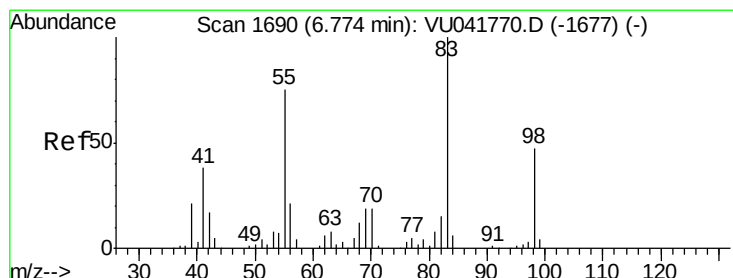
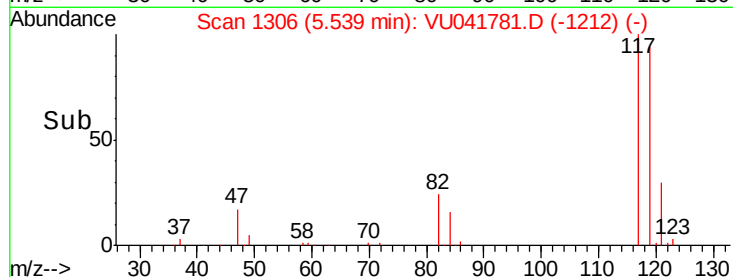
60000

40000

20000

0

Time-->



#35

Methylcyclohexane

Concen: 0.687 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

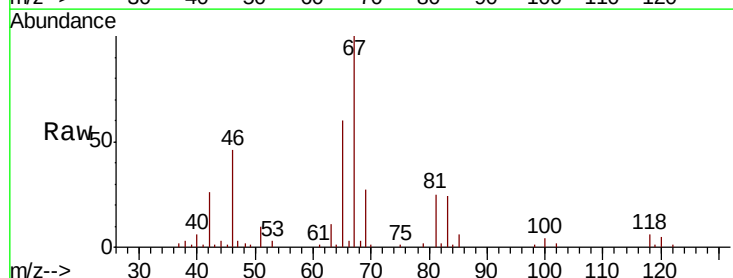
Tgt Ion: 83 Resp: 10862

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 1.2 36.6 54.8#



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

8000

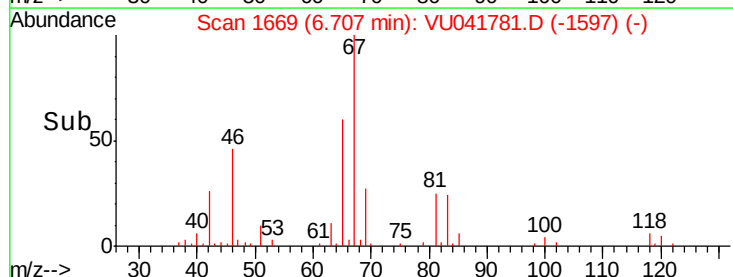
6000

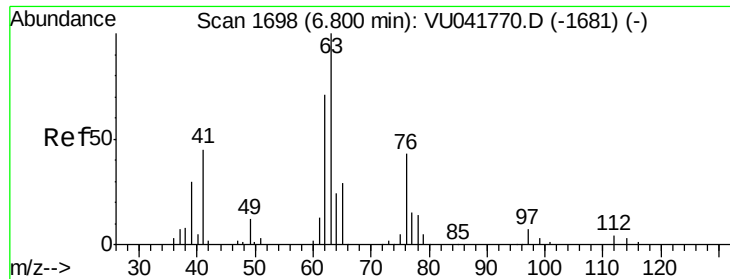
4000

2000

0

Time-->

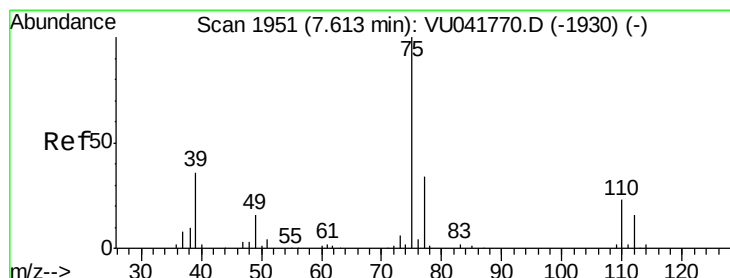
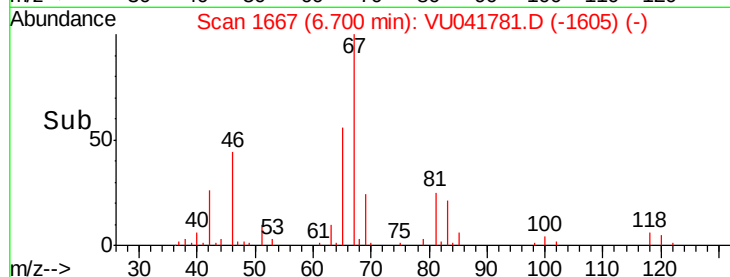
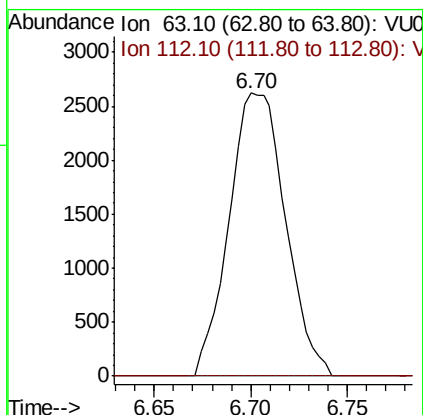
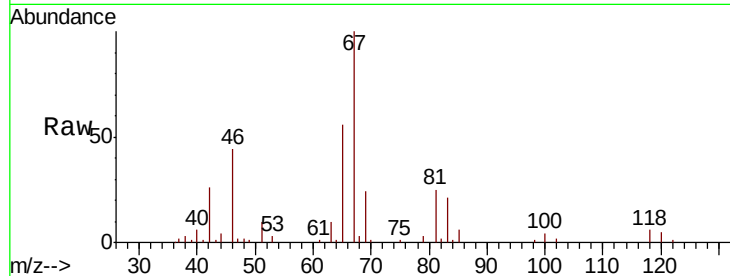




#37
 1,2-Dichloropropane
 Concen: 0.533 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041781.D
 Acq: 23 Dec 2020 14:40

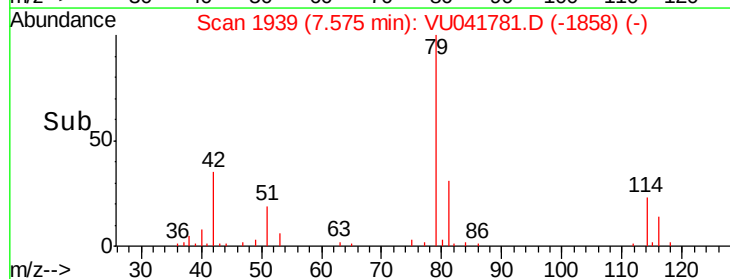
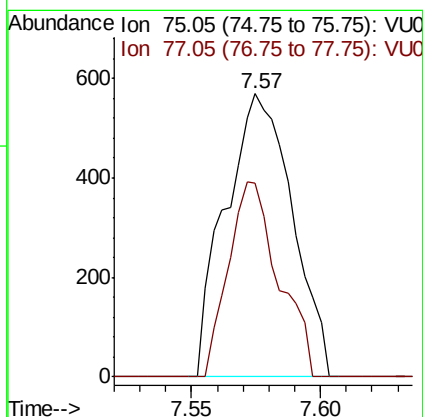
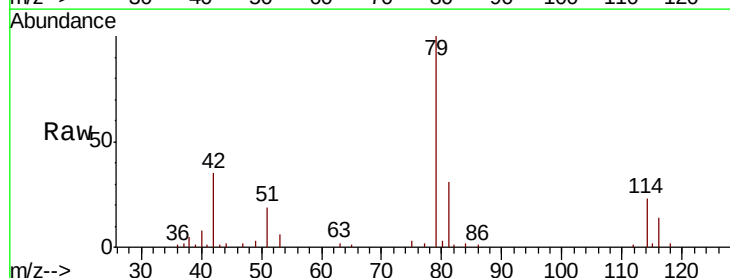
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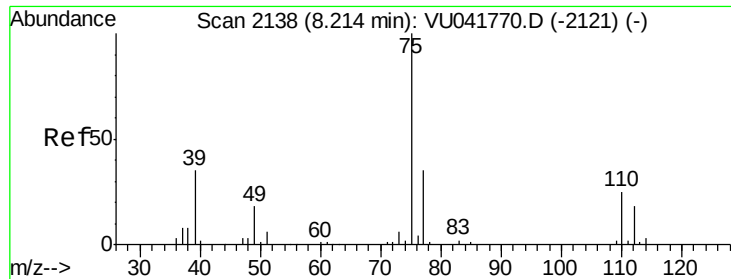
Tot Ion: 63 Resp: 5313
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.070 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041781.D
 Acq: 23 Dec 2020 14:40

Tgt Ion: 75 Resp: 1029
 Ion Ratio Lower Upper
 75 100
 77 68.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

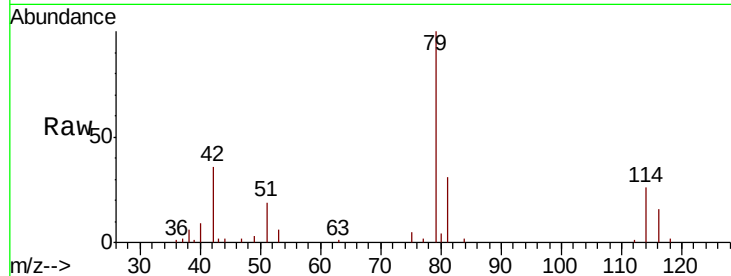
GB239DL

Tot Ion: 75 Resp: 799

Ion Ratio Lower Upper

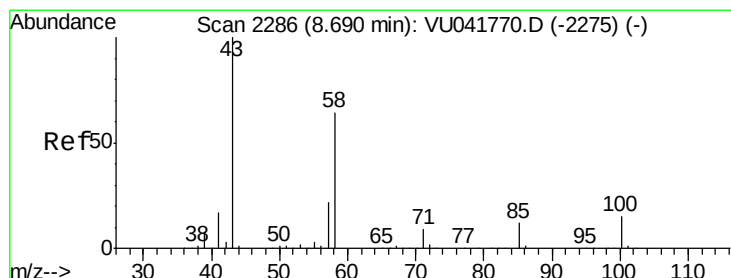
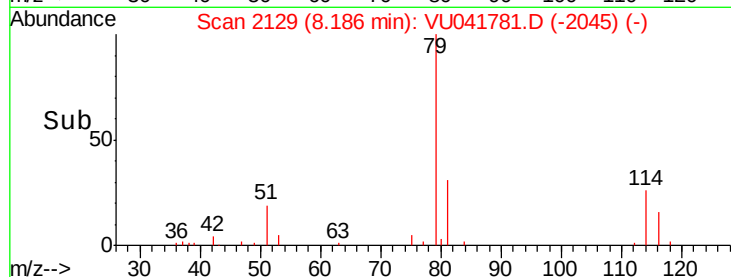
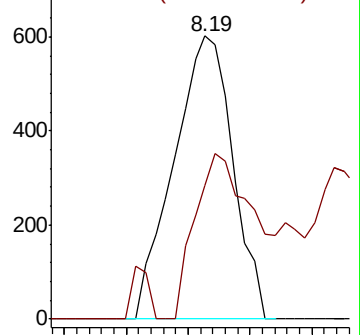
75 100

77 47.0 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.277 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

Tgt Ion: 43 Resp: 11746

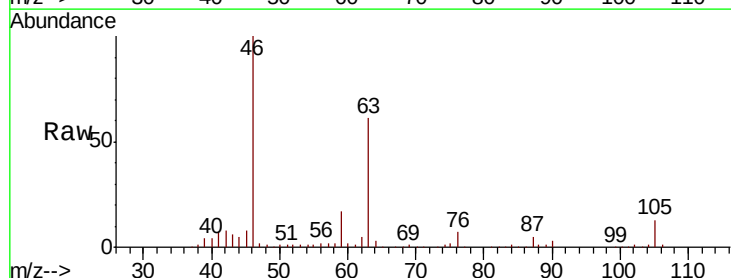
Ion Ratio Lower Upper

43 100

58 32.8 47.9 71.9#

57 32.2 16.5 24.7#

100 2.2 9.4 14.2#

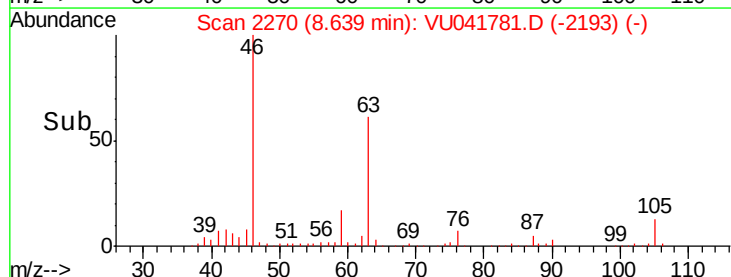
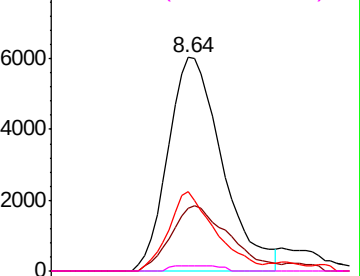


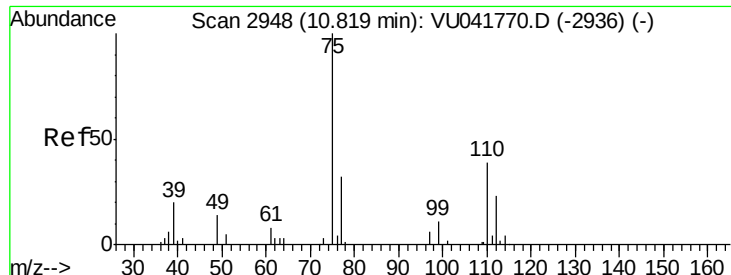
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.702 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041781.D

Acq: 23 Dec 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

GB239DL

Tot Ion: 75 Resp: 5251

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2

