

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111620\
 Data File : VU041243.D
 Acq On : 16 Nov 2020 13:24
 Operator : SY/MD
 Sample : L4727-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC1

Quant Time: Nov 16 13:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76430	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25110	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	21209	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.58	63	34777	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.65	46	96937	41.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.64%
24) Chloroform-d	5.08	84	50315	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.72	65	32979	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.74	84	91149	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	32020	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	75013	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.18	79	12177	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.64	63	68349	40.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	28132	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	31143	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

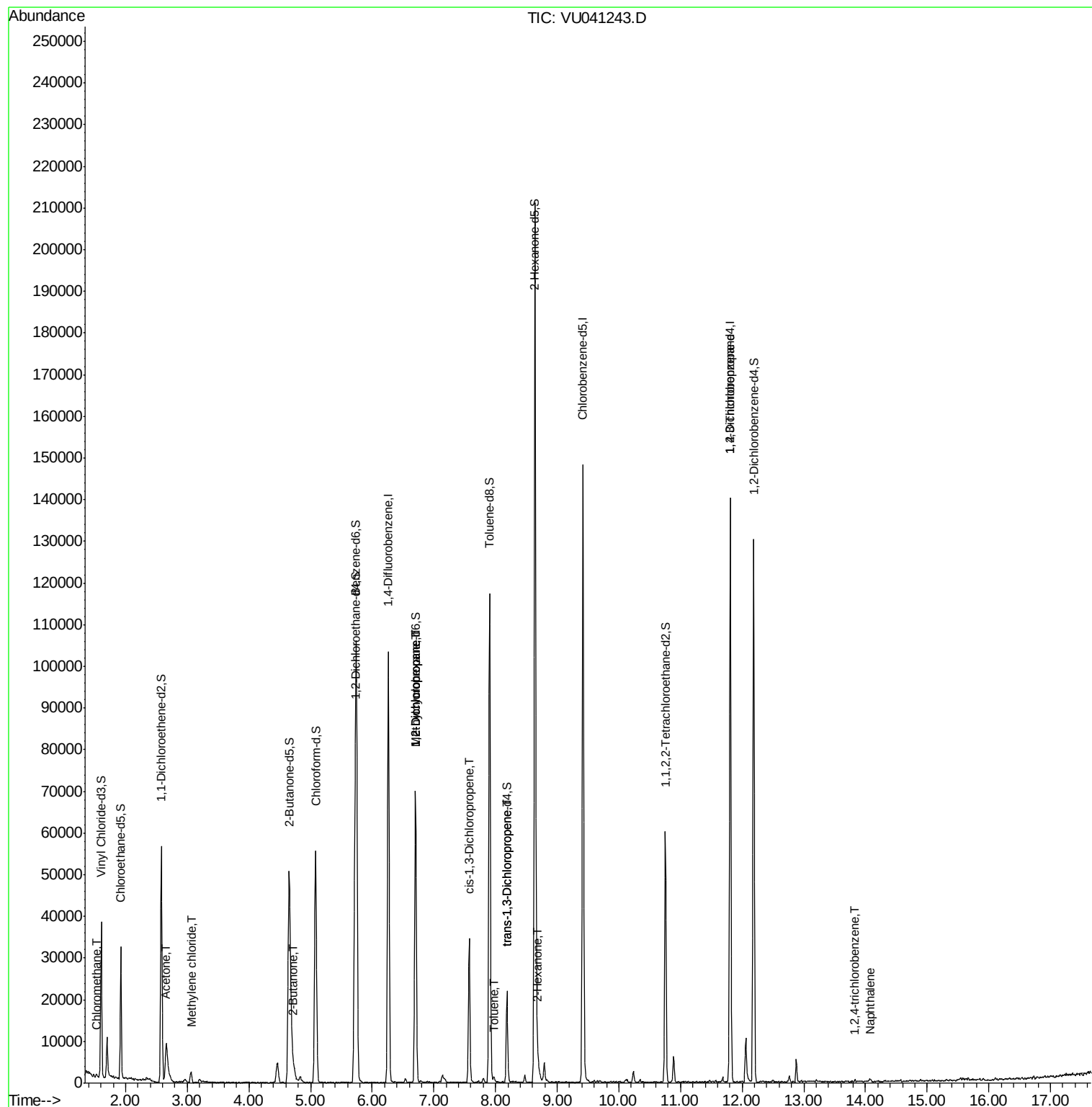
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	473	0.070	ug/L	99
13) Acetone	2.66	43	19521	12.694	ug/L #	65
16) Methylene chloride	3.06	84	1263	0.202	ug/L	88
21) 2-Butanone	4.73	43	2411	1.033	ug/L	78
35) Methylcyclohexane	6.70	83	7097	0.924	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	3639	0.582	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	945	0.108	ug/L #	68
42) Toluene	7.98	91	780	0.034	ug/L #	69
44) trans-1,3-Dichloropropene	8.19	75	545	0.066	ug/L #	52
48) 2-Hexanone	8.69	43	2726	0.706	ug/L #	85
59) 1,2,3-Trichloropropane	11.81	75	4626	0.938	ug/L	93
68) 1,2,4-trichlorobenzene	13.83	180	176	0.029	ug/L #	75
69) Naphthalene	14.07	128	999	0.103	ug/L #	69

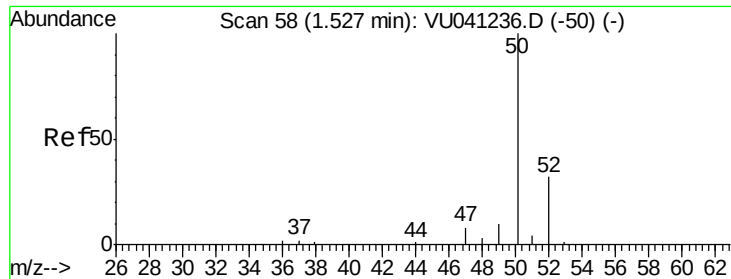
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 16 12:08:29 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.070 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

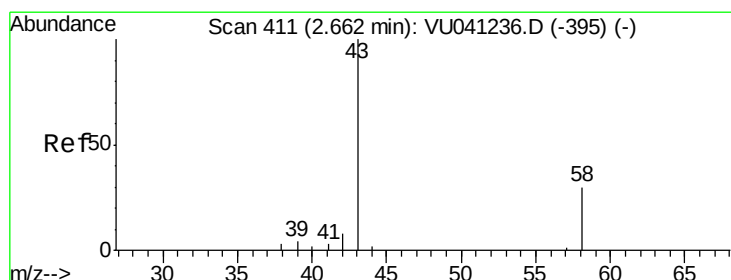
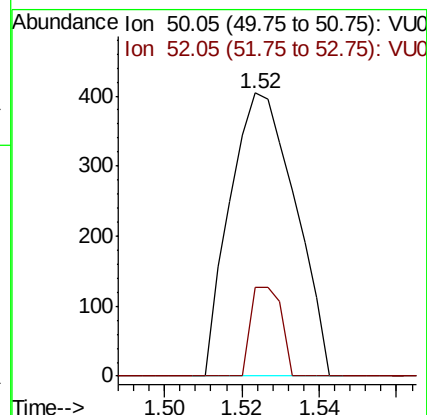
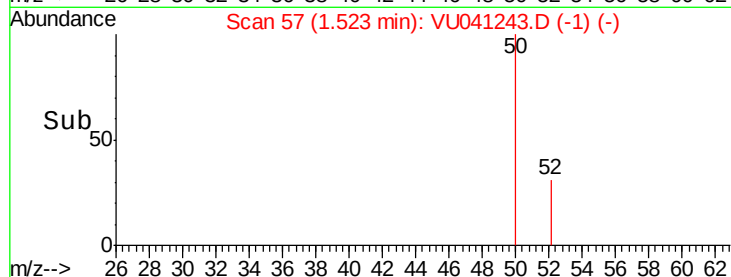
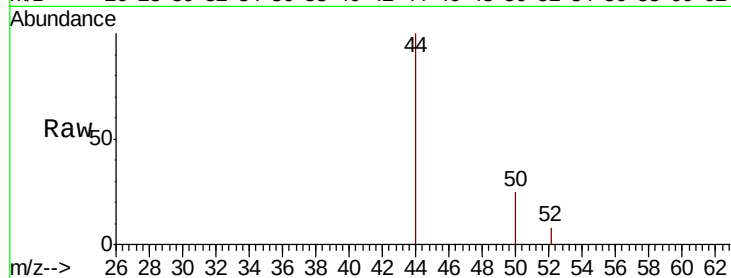
C0AC1

Tot Ion: 50 Resp: 473

Ion Ratio Lower Upper

50 100

52 31.4 22.4 41.6



#13

Acetone

Concen: 12.694 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041243.D

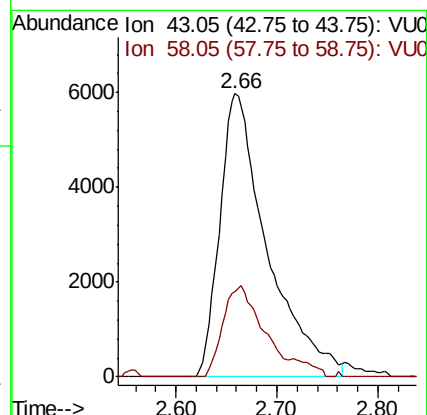
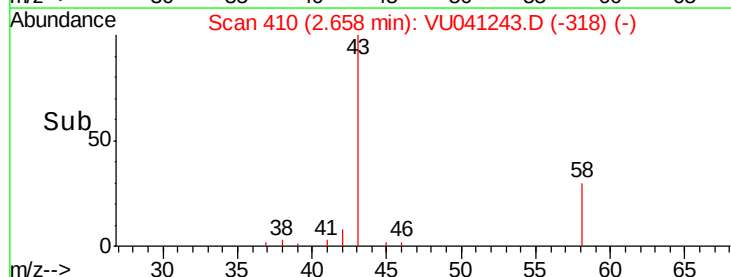
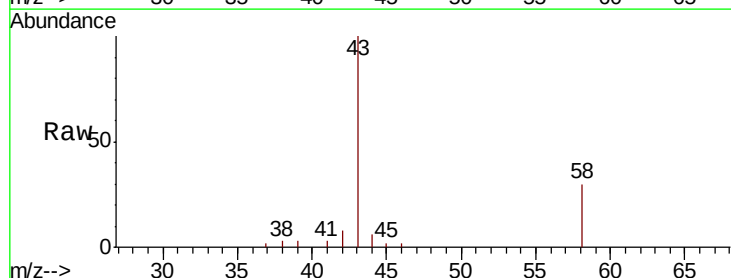
Acq: 16 Nov 2020 13:24

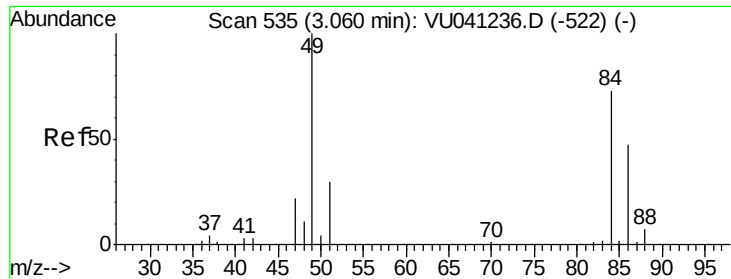
Tgt Ion: 43 Resp: 19521

Ion Ratio Lower Upper

43 100

58 26.5 0.0 25.4#

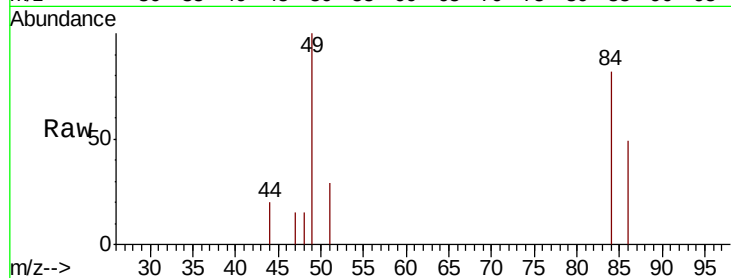




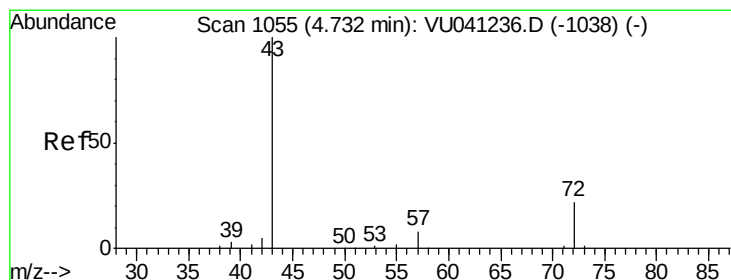
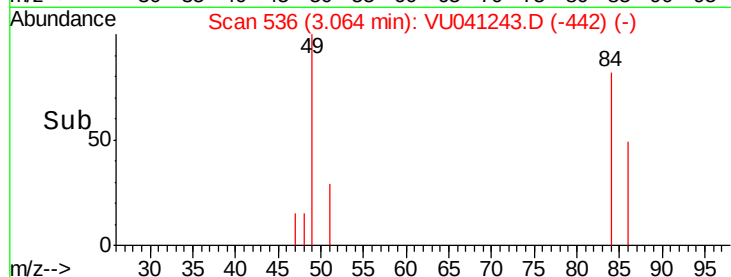
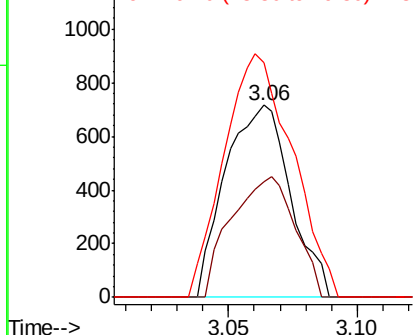
#16
Methvlene chloride
Concen: 0.202 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041243.D
Acq: 16 Nov 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :
C0AC1

Tot Ion: 84 Resp: 1263
Ion Ratio Lower Upper
84 100
86 60.5 42.8 79.6
49 122.3 99.5 184.7

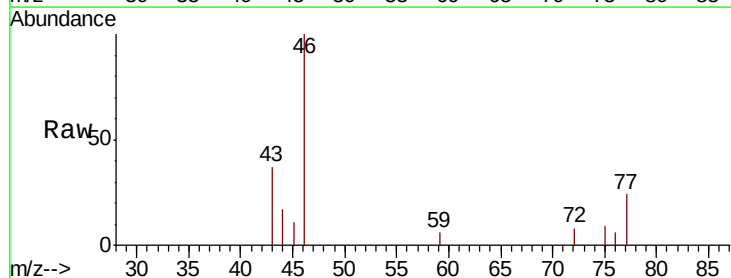


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

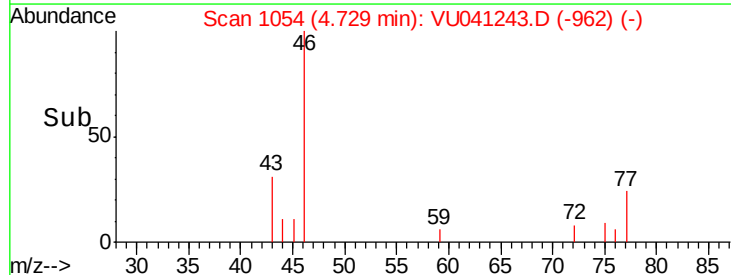
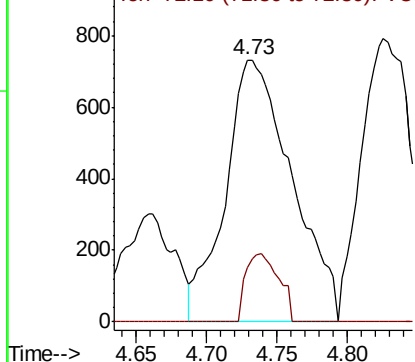


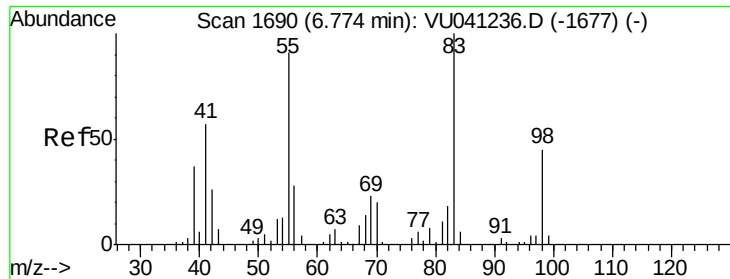
#21
2-Butanone
Concen: 1.033 ug/L
RT: 4.73 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VU041243.D
Acq: 16 Nov 2020 13:24

Tgt Ion: 43 Resp: 2411
Ion Ratio Lower Upper
43 100
72 13.0 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

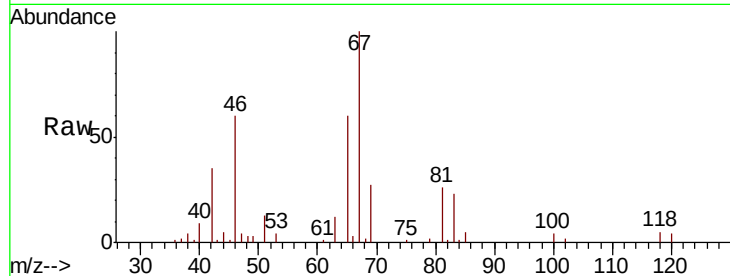




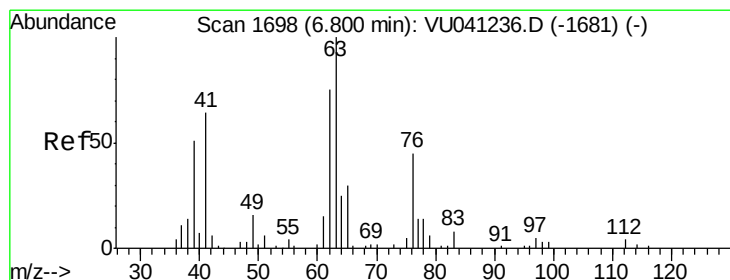
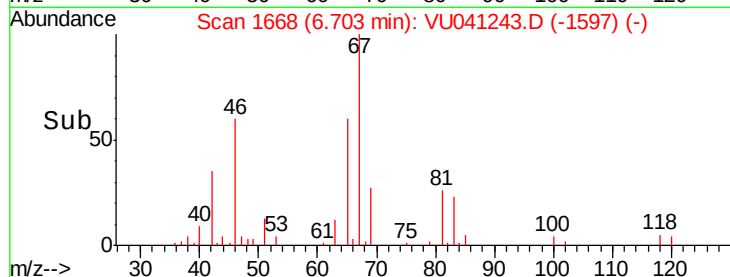
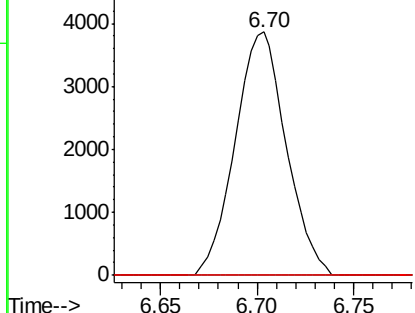
#35
Methylcyclohexane
Concen: 0.924 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041243.D
Acq: 16 Nov 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :
C0AC1

Tot Ion: 83 Resp: 7097
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 3.6 36.6 55.0#

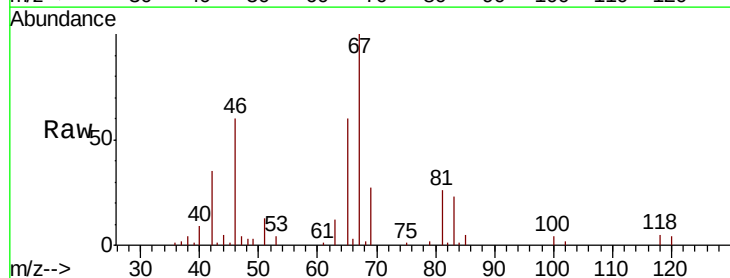


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

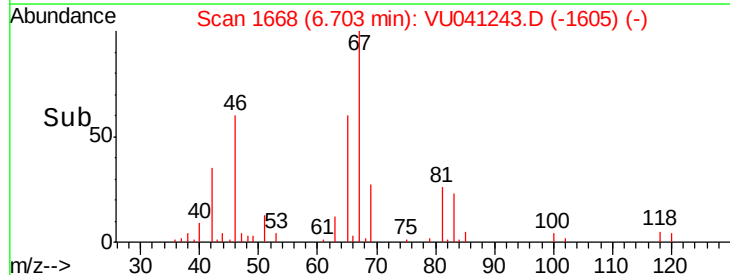
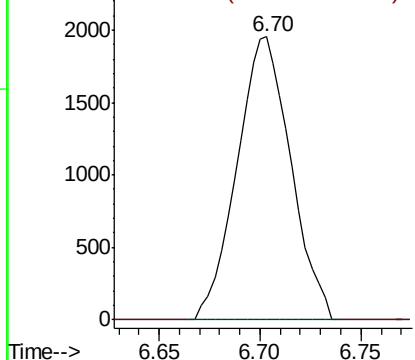


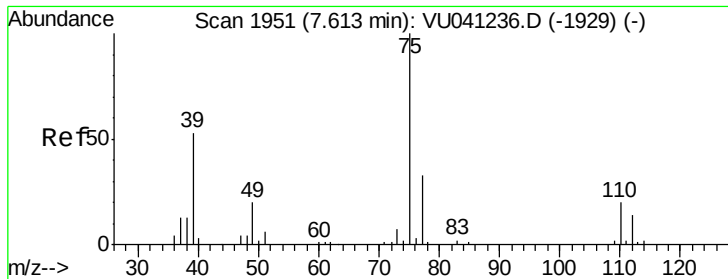
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041243.D
Acq: 16 Nov 2020 13:24

Tgt Ion: 63 Resp: 3639
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

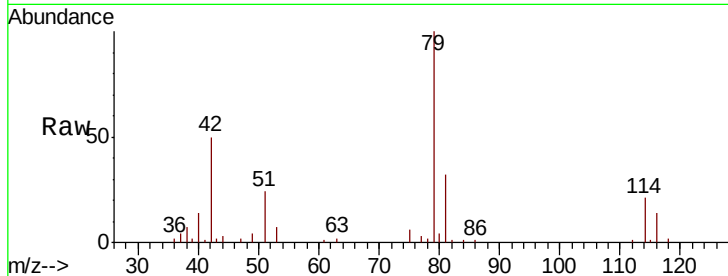
C0AC1

Tot Ion: 75 Resp: 945

Ion Ratio Lower Upper

75 100

77 50.3 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

600

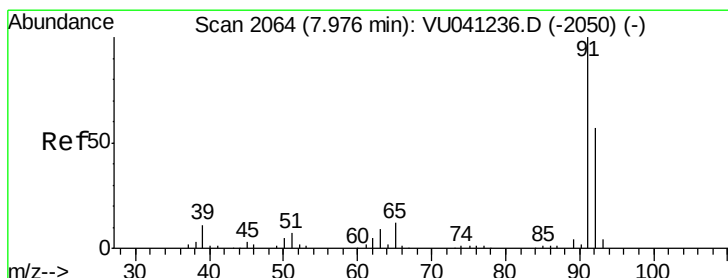
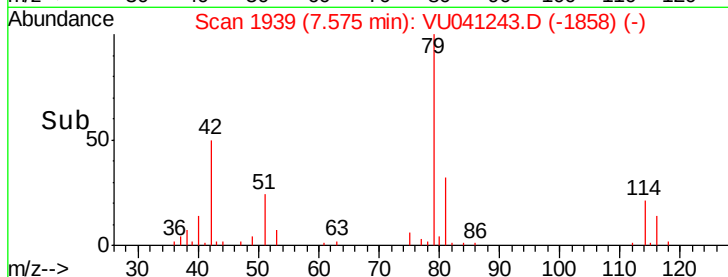
400

200

0

7.54 7.56 7.58 7.60

Time-->



#42

Toluene

Concen: 0.034 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041243.D

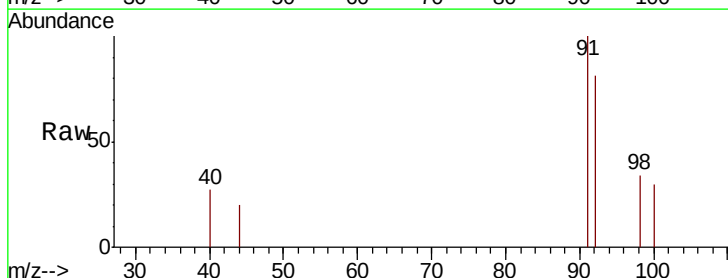
Acq: 16 Nov 2020 13:24

Tgt Ion: 91 Resp: 780

Ion Ratio Lower Upper

91 100

92 80.8 40.6 75.4#



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

600

500

400

300

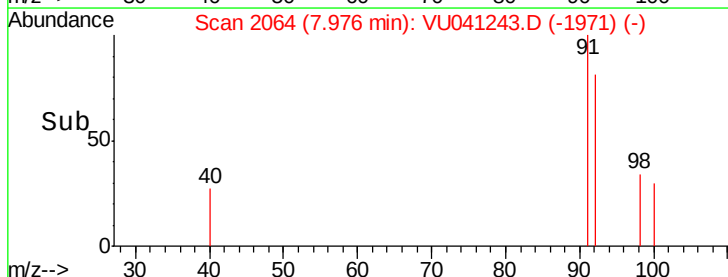
200

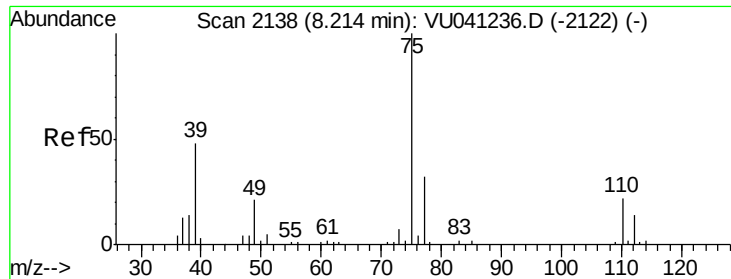
100

0

7.94 7.96 7.98 8.00

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

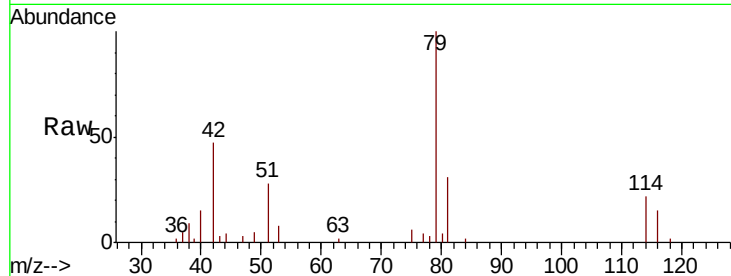
C0AC1

Tot Ion: 75 Resp: 545

Ion Ratio Lower Upper

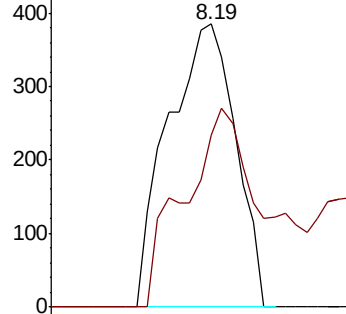
75 100

77 60.5 23.3 43.3#

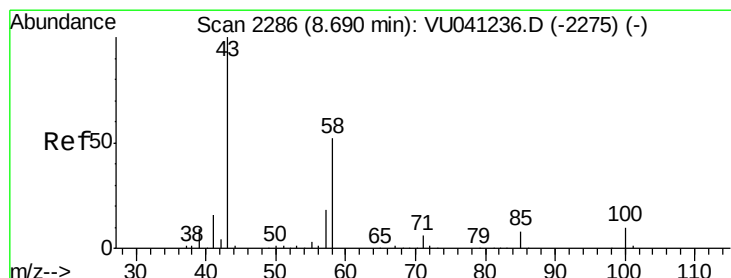
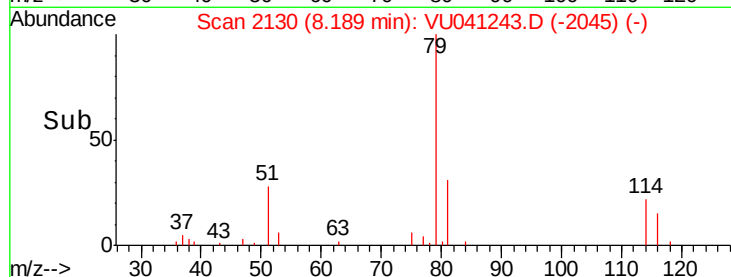


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->



#48

2-Hexanone

Concen: 0.706 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

Tgt Ion: 43 Resp: 2726

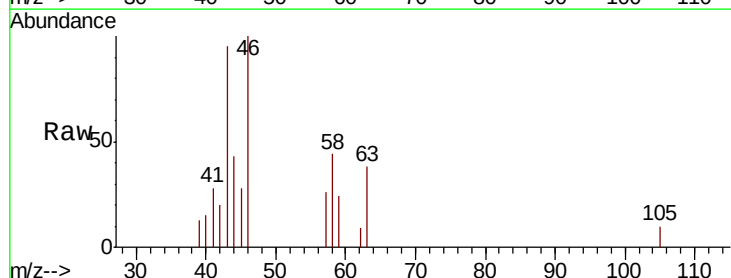
Ion Ratio Lower Upper

43 100

58 43.1 41.4 62.2

57 11.9 14.6 21.8#

100 0.0 8.3 12.5#

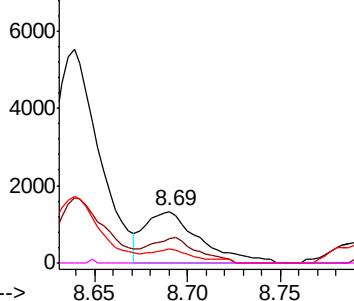


Abundance Ion 43.05 (42.75 to 43.75): VU0

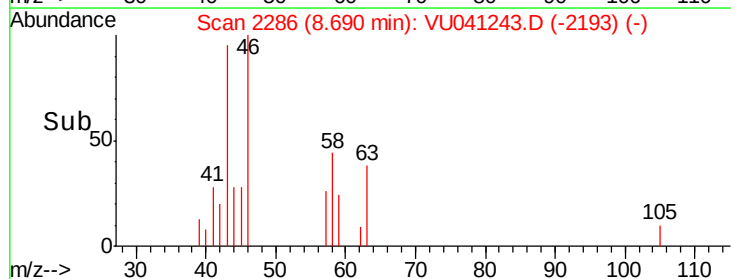
Ion 58.05 (57.75 to 58.75): VU0

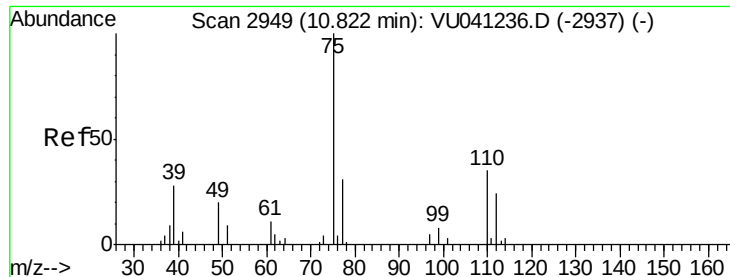
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 0.938 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

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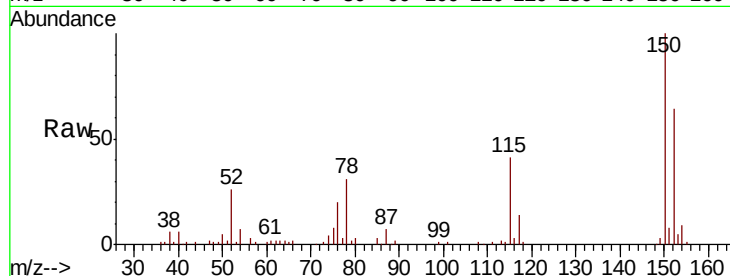
C0AC1

Tot Ion: 75 Resp: 4626

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041236.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041236.D (-2937) (-)

11.81

2500

2000

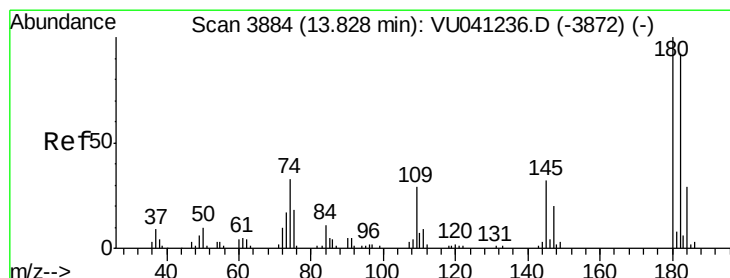
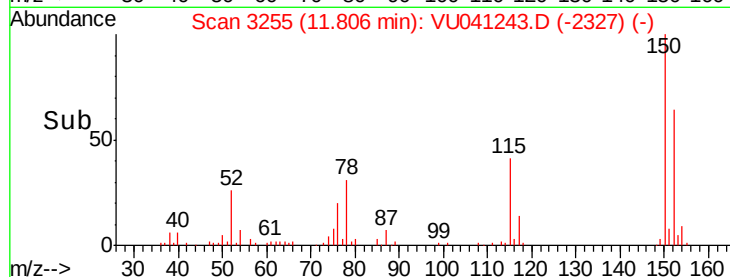
1500

1000

500

0

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.029 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.01 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

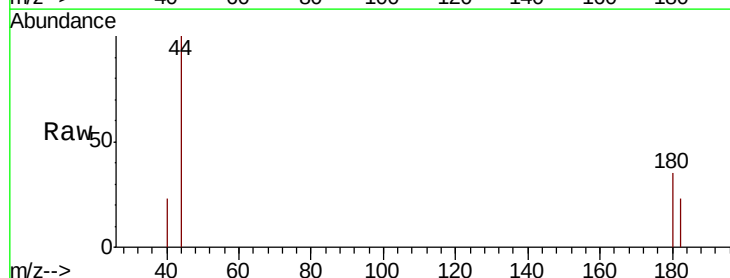
Tgt Ion: 180 Resp: 176

Ion Ratio Lower Upper

180 100

182 80.1 73.5 110.3

145 0.0 26.6 40.0#



Abundance Ion 179.90 (179.60 to 180.60): VU041236.D (-3872) (-)

Ion 182.00 (181.70 to 182.70): VU041236.D (-3872) (-)

Ion 144.95 (144.65 to 145.65): VU041236.D (-3872) (-)

13.83

200

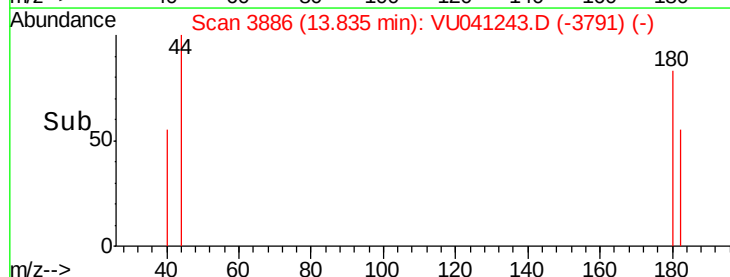
150

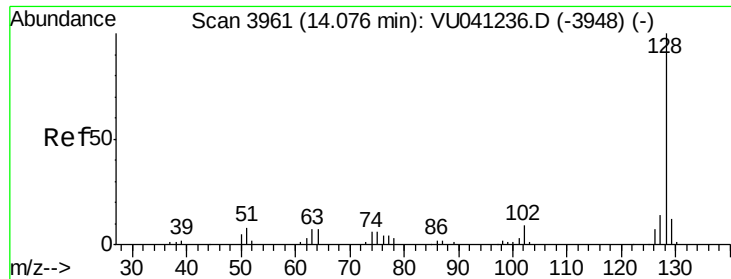
100

50

0

Time-->





#69

Naphthalene

Concen: 0.103 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041243.D

Acq: 16 Nov 2020 13:24

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C0AC1

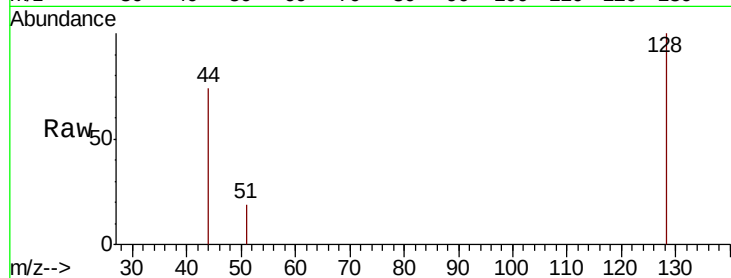
Tot Ion:128 Resp: 999

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

