

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040971.D
 Acq On : 27 Oct 2020 03:03
 Operator : SY/MD
 Sample : L4492-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP7

Quant Time: Oct 27 05:34:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57992	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23034	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	19370	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	34839	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.66	46	82494	51.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	5.08	84	42042	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	26834	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	77036	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.70	67	26175	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	60479	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	10094	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	57855	47.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23135	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	24078	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	146	0.042	ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	201	0.046	ug/L # 22
13) Acetone	2.67	43	5805	5.292	ug/L 92
15) Methyl Acetate	2.97	43	261	0.104	ug/L # 53
16) Methylene chloride	3.06	84	2220	0.465	ug/L 96
25) Chloroform	5.10	83	477	0.057	ug/L 90
27) 1,2-Dichloroethane	5.75	62	202	0.032	ug/L # 74
35) Methylcyclohexane	6.70	83	5981	0.872	ug/L # 13
37) 1,2-Dichloropropane	6.71	63	3024	0.619	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	656	0.097	ug/L # 72
42) Toluene	7.97	91	908	0.050	ug/L 81
44) trans-1,3-Dichloropropene	8.19	75	414	0.066	ug/L # 72
47) Tetrachloroethene	8.56	164	2027	0.600	ug/L 87
48) 2-Hexanone	8.64	43	9407	3.206	ug/L # 72
49) Dibromochloromethane	8.56	129	2028	0.480	ug/L # 11
59) 1,2,3-Trichloropropane	11.81	75	3434	0.943	ug/L 92
69) Naphthalene	14.08	128	387	0.052	ug/L # 69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration

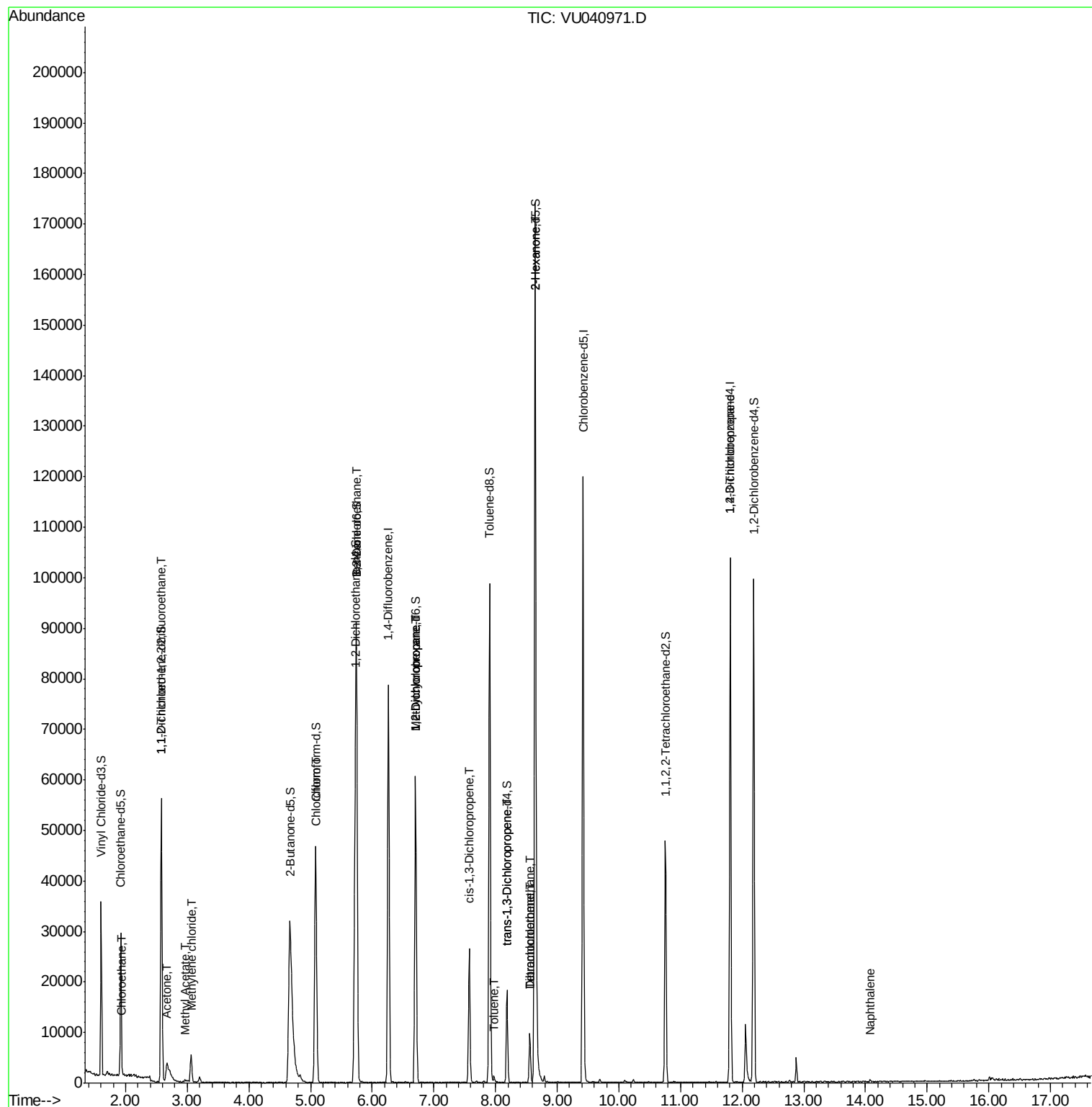
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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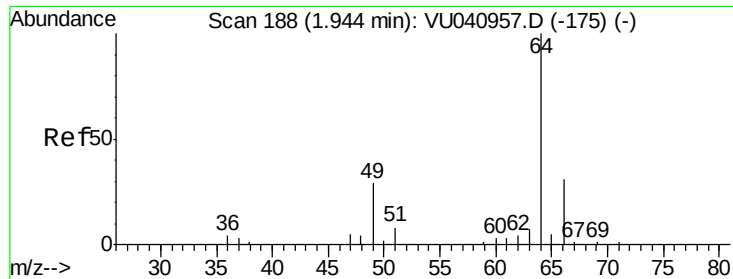
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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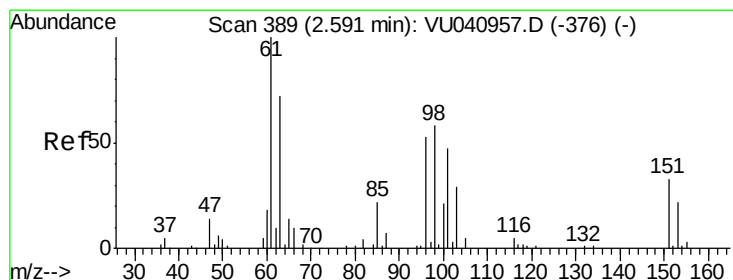
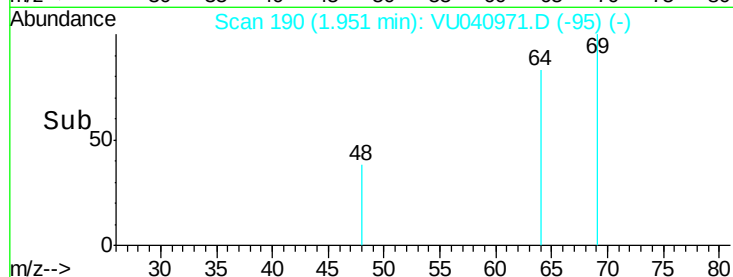
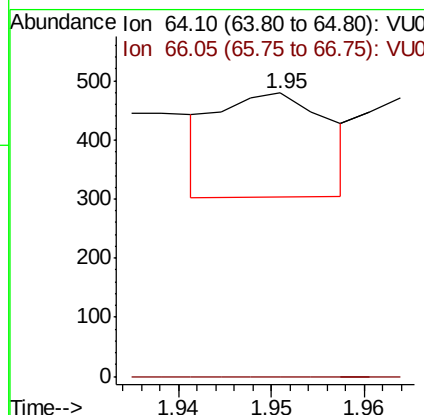
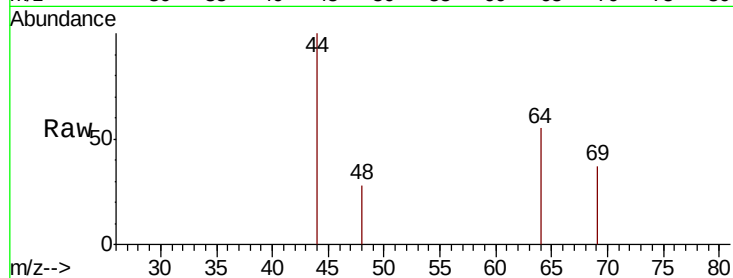




#8
Chloroethane
Concen: 0.042 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.01 min
Lab File: VU040971.D
Acq: 27 Oct 2020 03:03

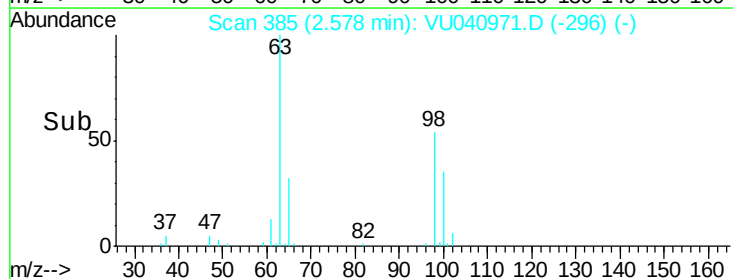
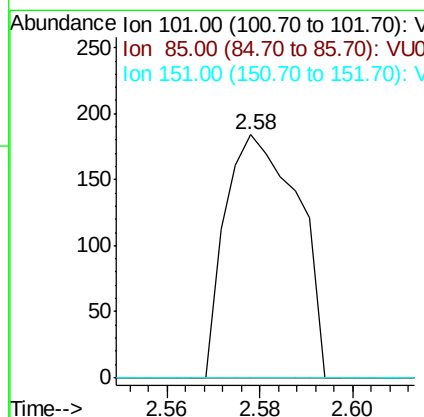
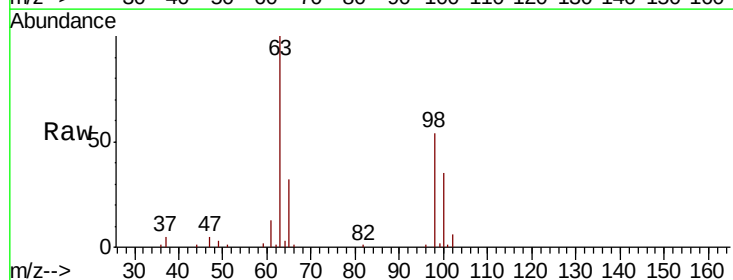
Instrument :
MSVOA_U
ClientSampled :
C0AP7

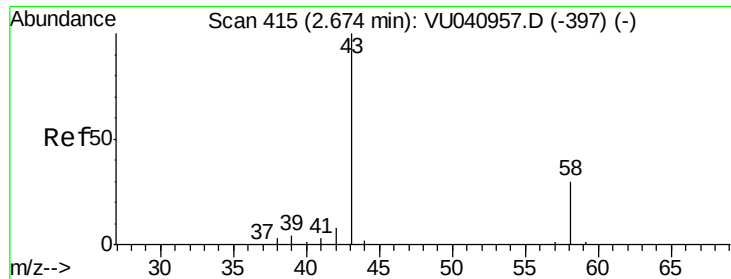
Tot Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU040971.D
Acq: 27 Oct 2020 03:03

Tgt Ion: 101 Resp: 201
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.4#
151 0.0 55.3 82.9#





#13

Acetone

Concen: 5.292 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

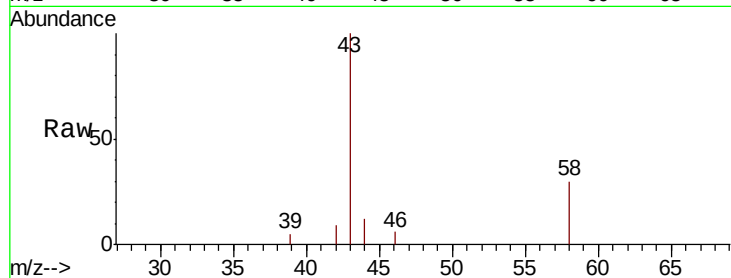
C0AP7

Tot Ion: 43 Resp: 5805

Ion Ratio Lower Upper

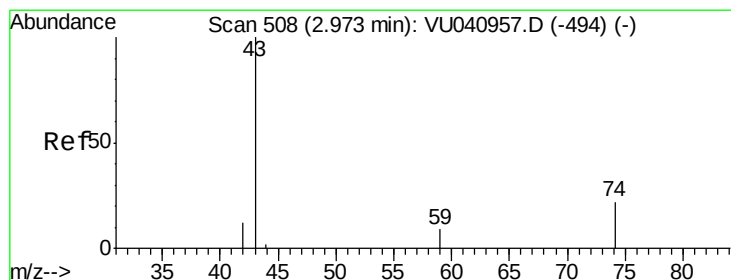
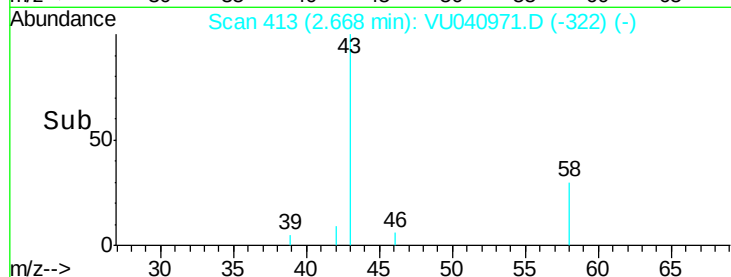
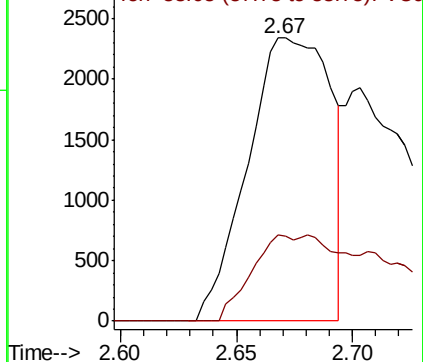
43 100

58 15.8 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU040971.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU040971.D (-322) (-)



#15

Methyl Acetate

Concen: 0.104 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU040971.D

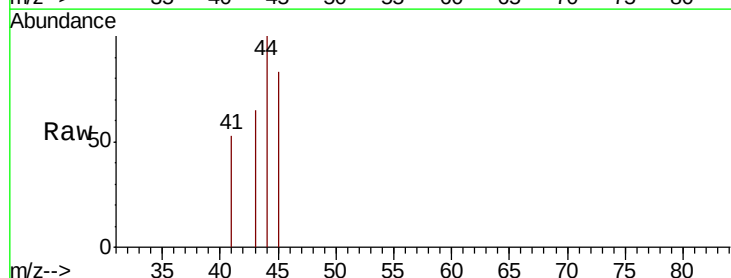
Acq: 27 Oct 2020 03:03

Tgt Ion: 43 Resp: 261

Ion Ratio Lower Upper

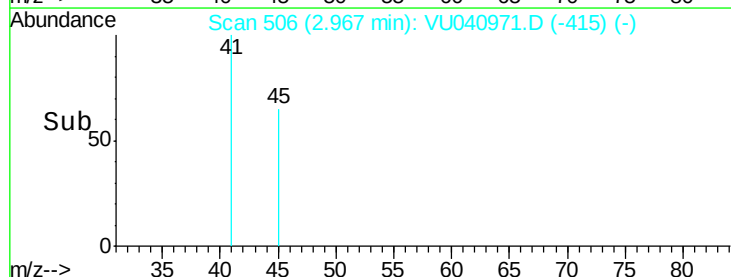
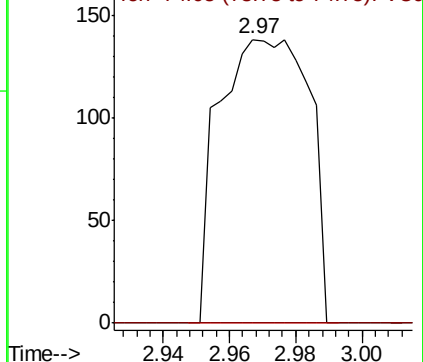
43 100

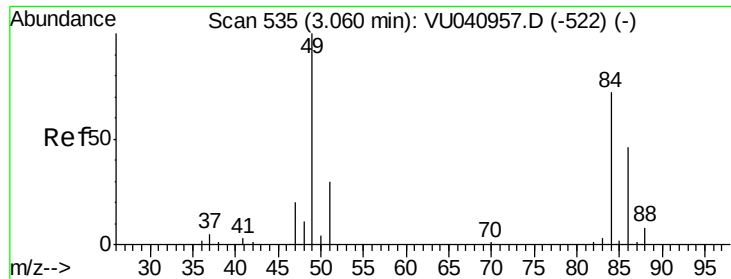
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU040971.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VU040971.D (-415) (-)

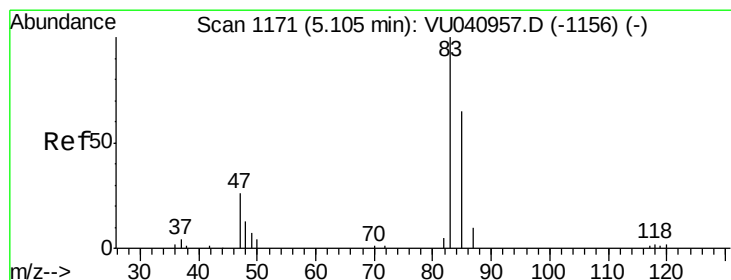
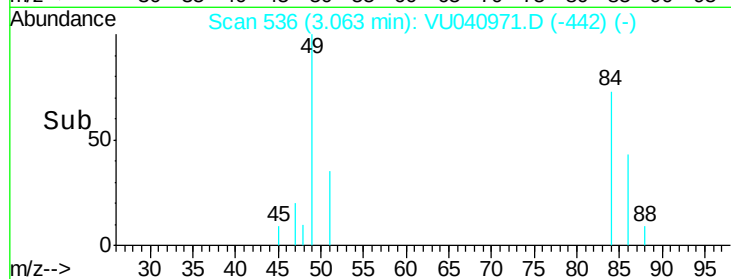
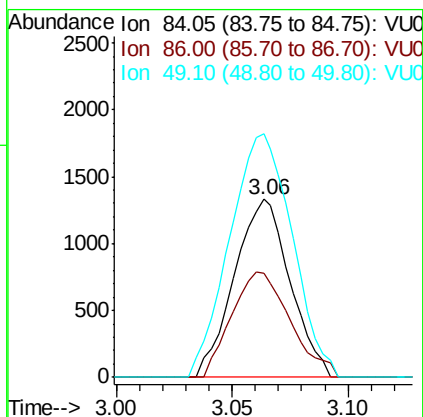
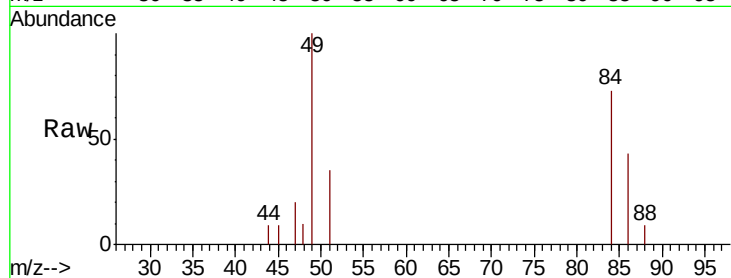




#16
Methvlene chloride
Concen: 0.465 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040971.D
Acq: 27 Oct 2020 03:03

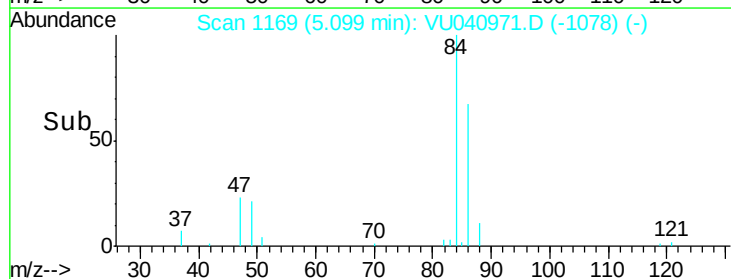
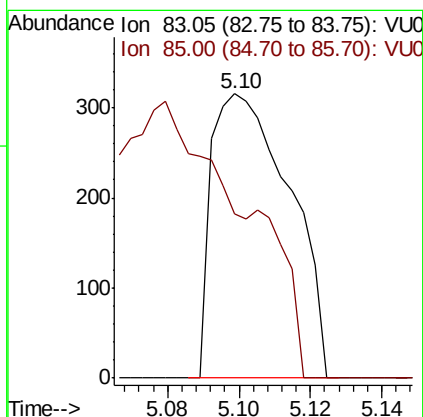
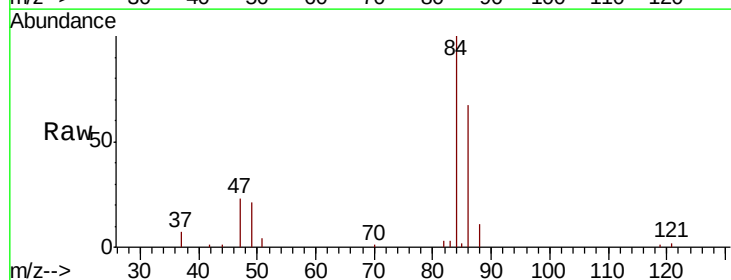
Instrument :
MSVOA_U
ClientSampleId :
C0AP7

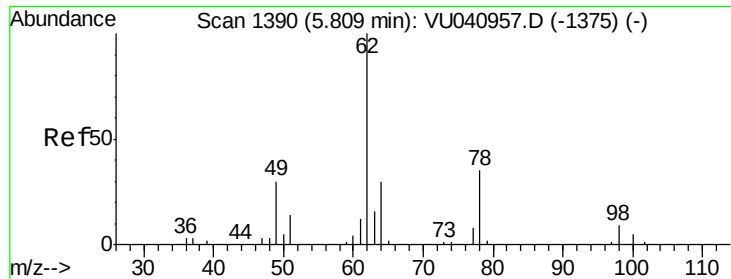
Tot Ion: 84 Resp: 2220
Ion Ratio Lower Upper
84 100
86 58.2 42.8 79.6
49 136.8 99.5 184.7



#25
Chloroform
Concen: 0.057 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU040971.D
Acq: 27 Oct 2020 03:03

Tgt Ion: 83 Resp: 477
Ion Ratio Lower Upper
83 100
85 57.6 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.032 ug/L

RT: 5.75 min Scan# 1372

Delta R.T. -0.06 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

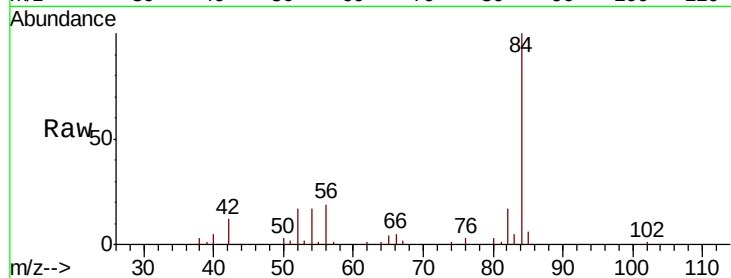
C0AP7

Tot Ion: 62 Resp: 202

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

5.75

250

200

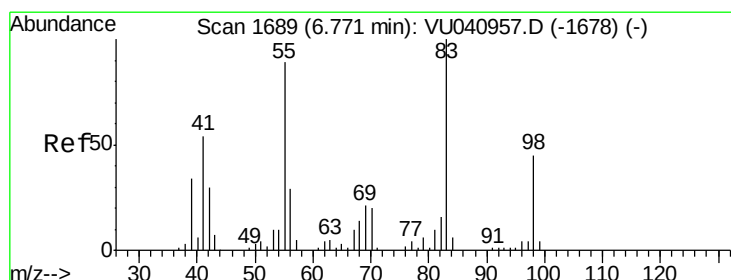
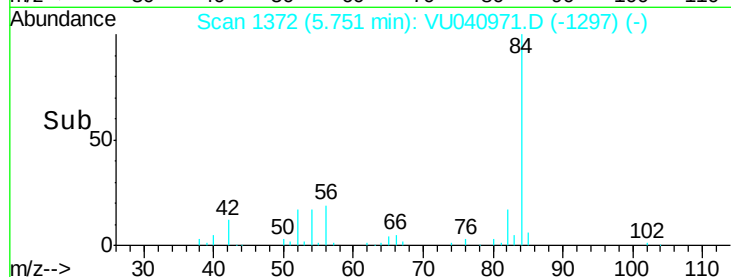
150

100

50

0

Time-->



#35

Methylcyclohexane

Concen: 0.872 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

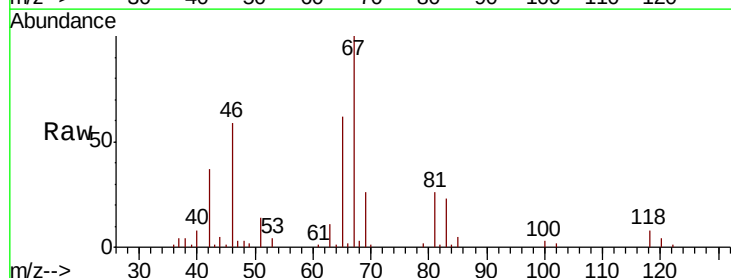
Tgt Ion: 83 Resp: 5981

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

98 0.0 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

6.70

4000

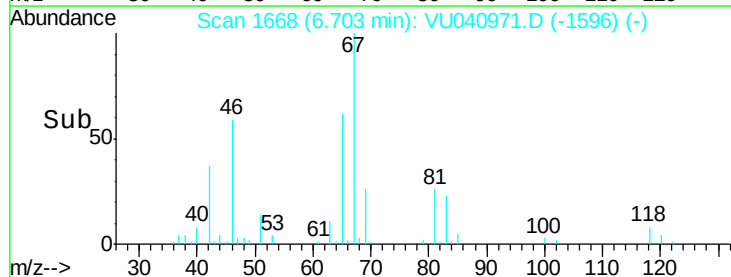
3000

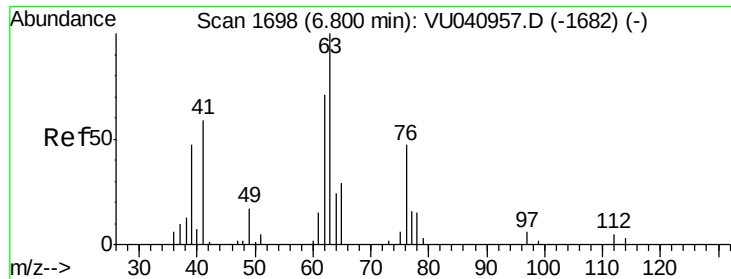
2000

1000

0

Time-->

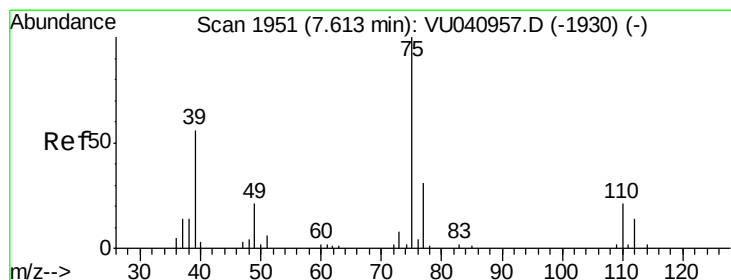
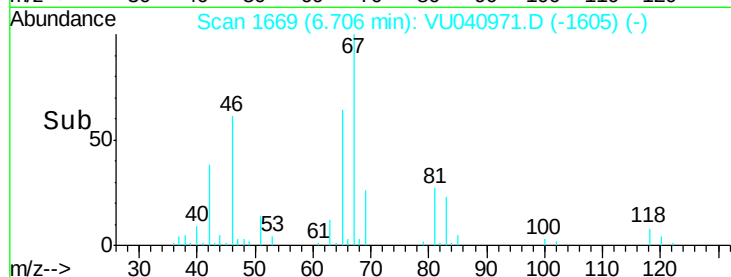
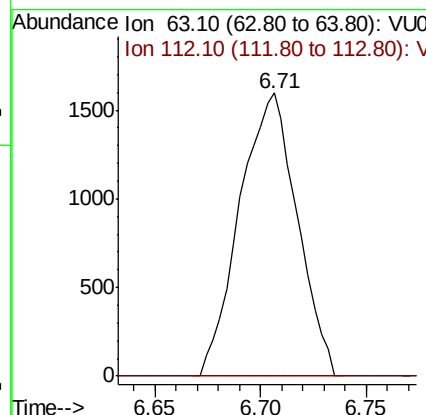
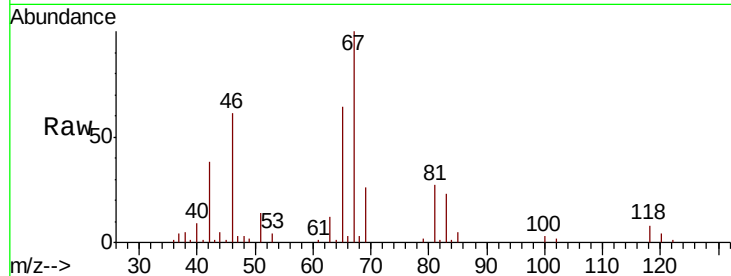




#37
 1,2-Dichloropropane
 Concen: 0.619 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040971.D
 Acq: 27 Oct 2020 03:03

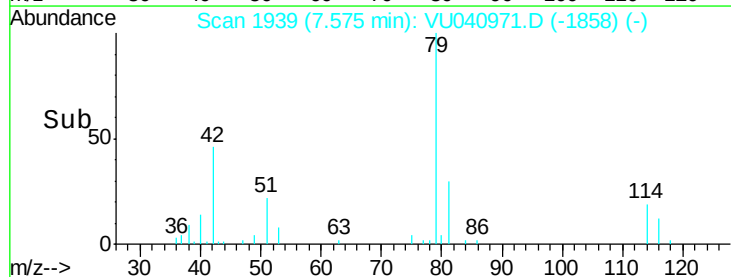
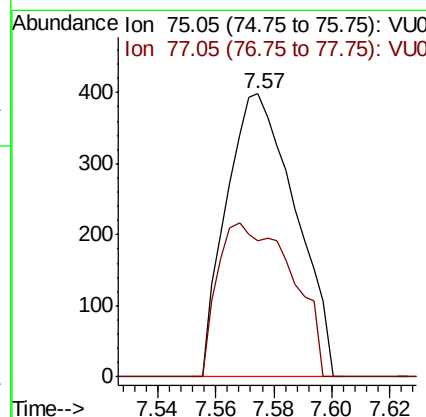
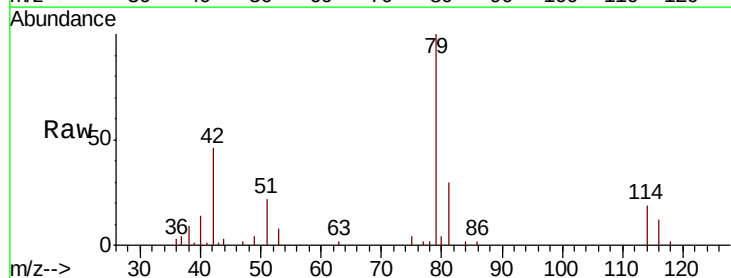
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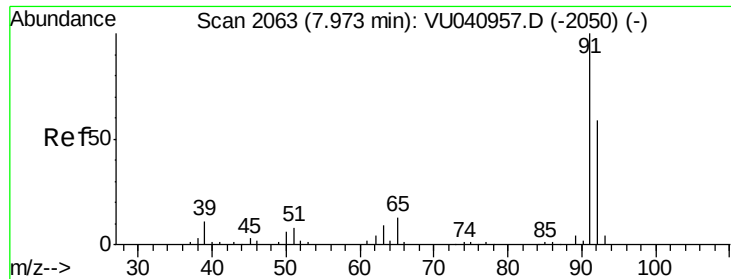
Tot Ion: 63 Resp: 3024
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040971.D
 Acq: 27 Oct 2020 03:03

Tgt Ion: 75 Resp: 656
 Ion Ratio Lower Upper
 75 100
 77 48.2 22.7 42.3#





#42

Toluene

Concen: 0.050 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

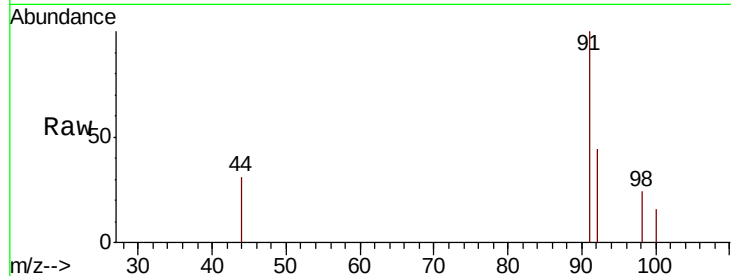
C0AP7

Tot Ion: 91 Resp: 908

Ion Ratio Lower Upper

91 100

92 43.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040971.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040971.D (-1970) (-)

7.97

600

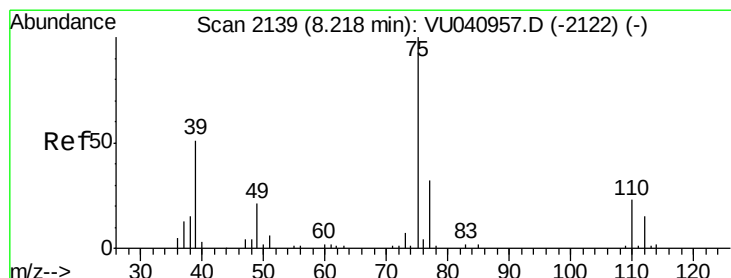
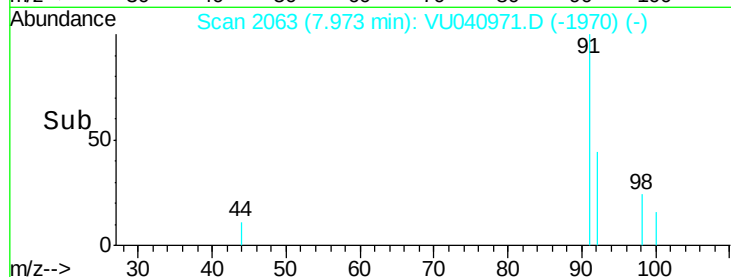
400

200

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# 2129

Delta R.T. -0.03 min

Lab File: VU040971.D

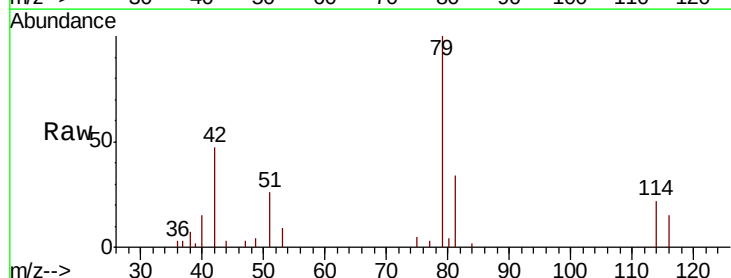
Acq: 27 Oct 2020 03:03

Tgt Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

77 49.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040971.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU040971.D (-2046) (-)

8.19

300

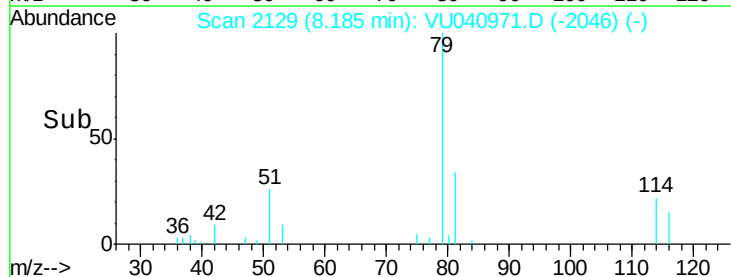
200

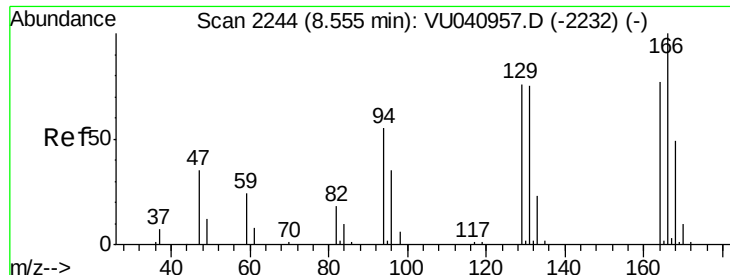
100

0

8.16 8.18 8.20 8.22

Time-->





#47

Tetrachloroethene

Concen: 0.600 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

C0AP7

Tot Ion:164 Resp: 2027

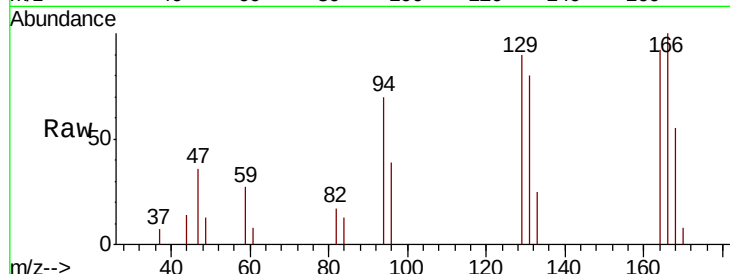
Ion Ratio Lower Upper

164 100

129 97.8 70.3 130.7

131 87.1 70.8 131.4

166 108.8 92.0 170.8

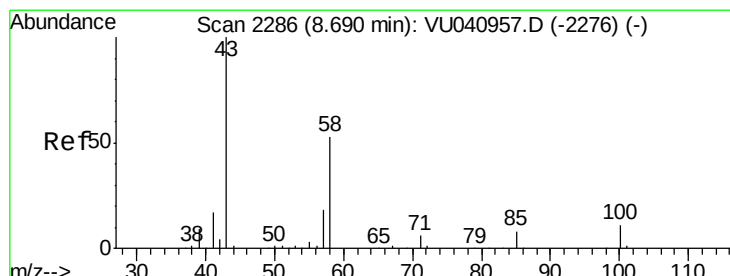
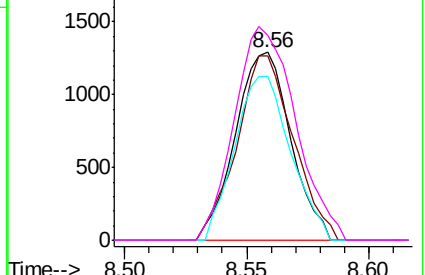
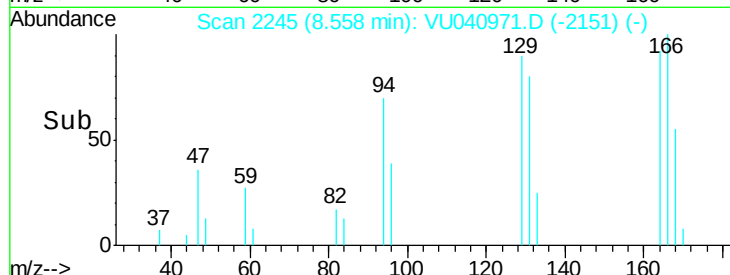


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.206 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Tgt Ion: 43 Resp: 9407

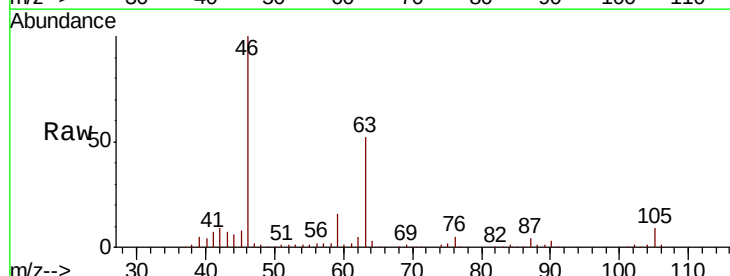
Ion Ratio Lower Upper

43 100

58 31.2 41.4 62.2#

57 29.3 14.6 21.8#

100 0.7 8.3 12.5#

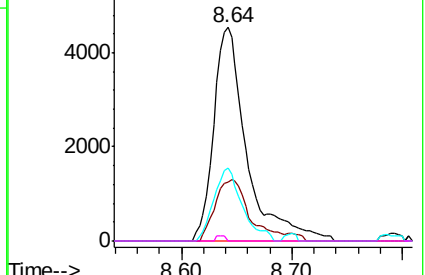
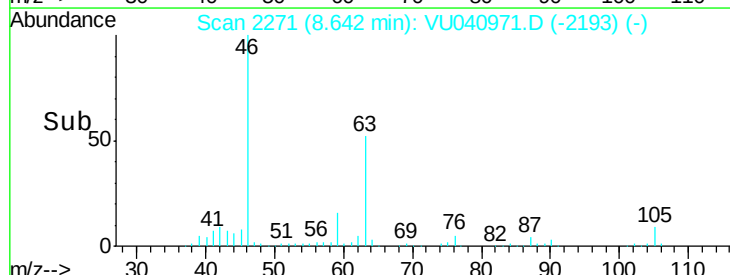


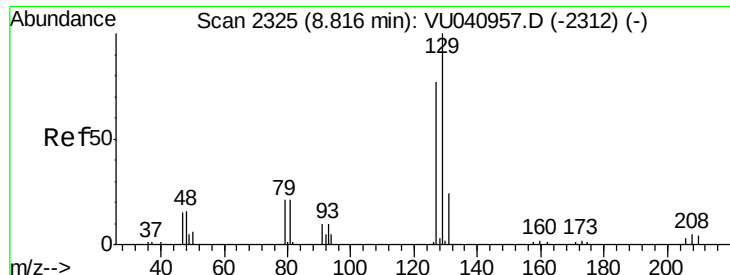
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 0.480 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

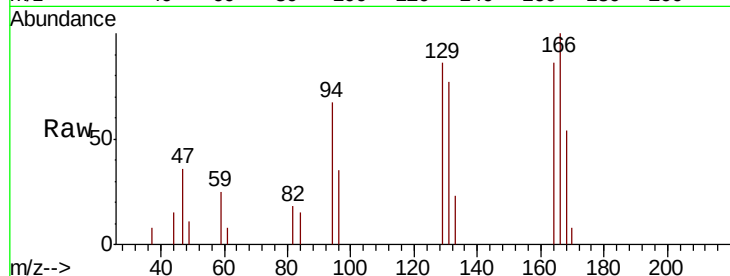
C0AP7

Tot Ion:129 Resp: 2028

Ion Ratio Lower Upper

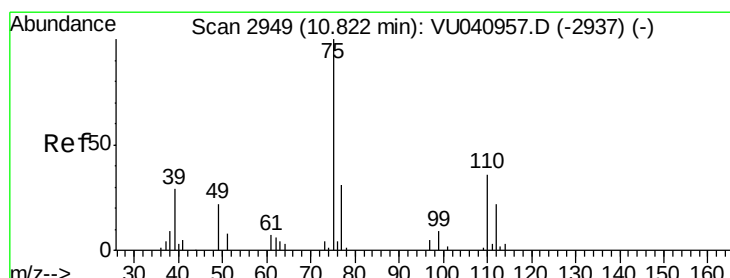
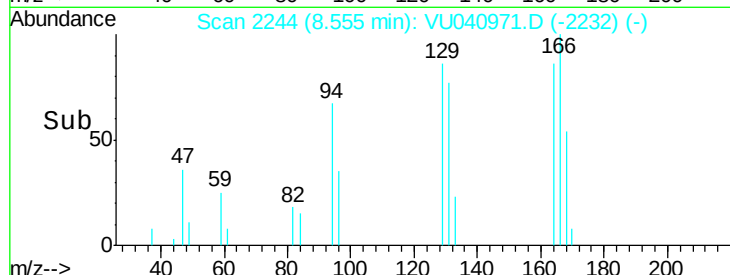
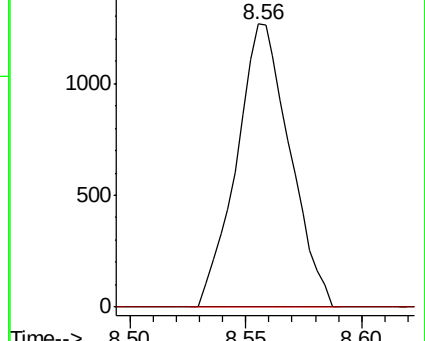
129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.943 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040971.D

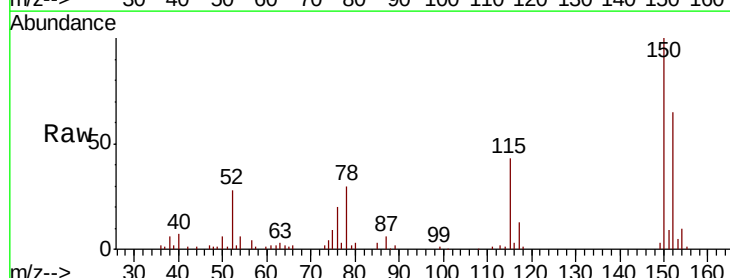
Acq: 27 Oct 2020 03:03

Tgt Ion: 75 Resp: 3434

Ion Ratio Lower Upper

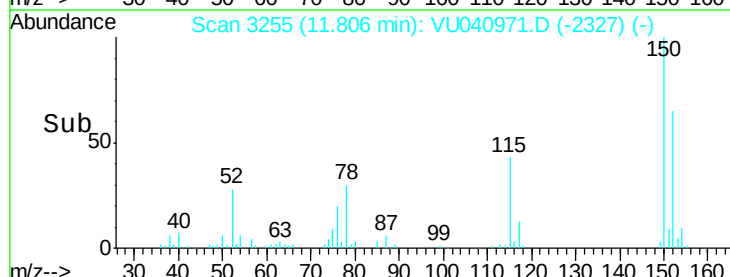
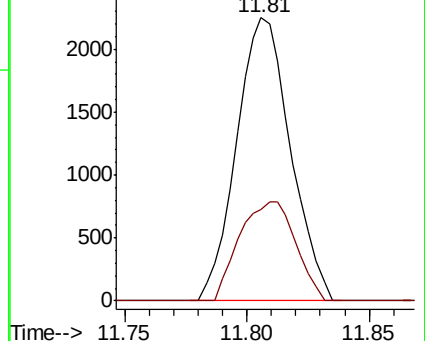
75 100

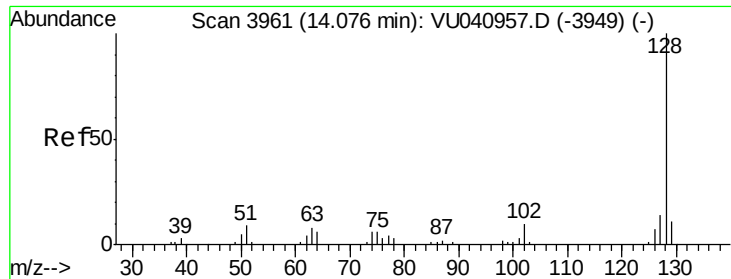
77 36.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.052 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040971.D

Acq: 27 Oct 2020 03:03

Instrument :

MSVOA_U

ClientSampleId :

C0AP7

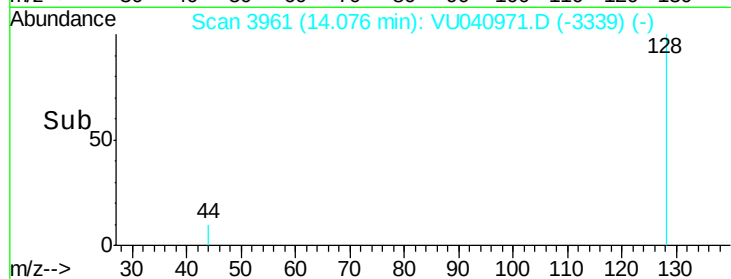
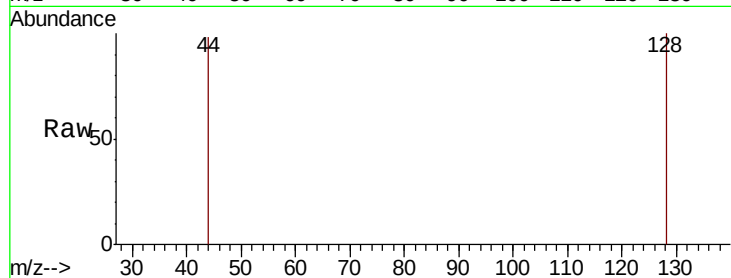
Tot Ion:128 Resp: 387

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

500 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

400

300

200

100

0

14.06

14.08

14.10

Time-->