

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040968.D
 Acq On : 27 Oct 2020 01:53
 Operator : SY/MD
 Sample : L4492-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAN8

Quant Time: Oct 27 05:34:06 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	55693	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58738	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22738	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.92	69	18687	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	35358	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.67	46	80240	52.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.16%
24) Chloroform-d	5.08	84	42001	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	25707	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.74	84	76468	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	25768	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.91	98	59241	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	9727	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	57818	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	22958	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23672	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	248	0.060 ug/L #	22
13) Acetone	2.70	43	4446	4.221 ug/L	100
14) Carbon disulfide	2.81	76	60296	4.587 ug/L	99
16) Methylene chloride	3.06	84	1519	0.331 ug/L #	83
25) Chloroform	5.11	83	538	0.067 ug/L	77
27) 1,2-Dichloroethane	5.75	62	513	0.086 ug/L #	74
35) Methylcyclohexane	6.70	83	6018	0.903 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2843	0.599 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	740	0.113 ug/L #	64
42) Toluene	7.97	91	739	0.042 ug/L	81
44) trans-1,3-Dichloropropene	8.19	75	395	0.065 ug/L #	68
47) Tetrachloroethene	8.56	164	3229	0.983 ug/L	93
48) 2-Hexanone	8.64	43	7803	2.737 ug/L #	75
49) Dibromochloromethane	8.56	129	3324	0.810 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3265	0.922 ug/L	94
69) Naphthalene	14.08	128	382	0.055 ug/L #	69

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Quant Time: Oct 27 05:34:06 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

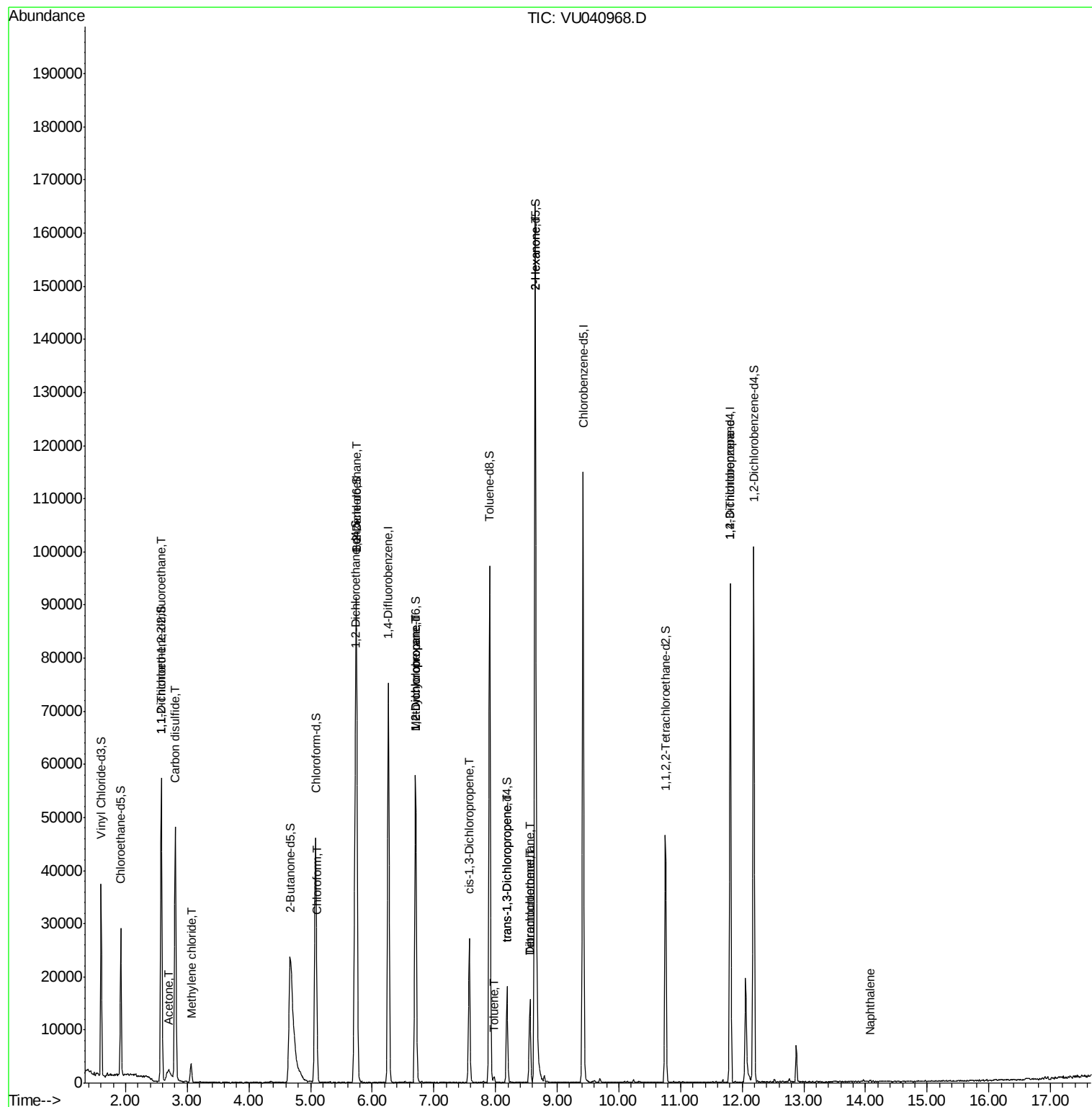
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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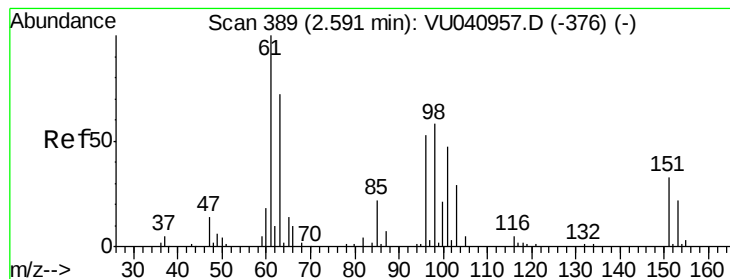
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

COAN8

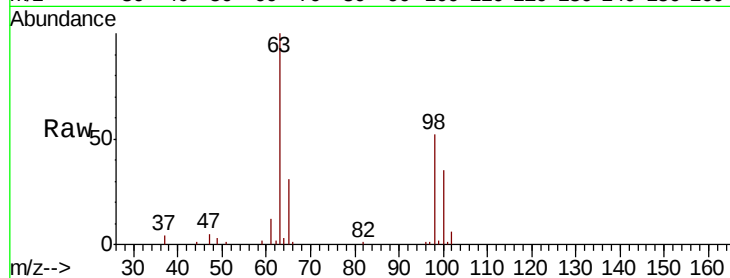
Tot Ion:101 Resp: 248

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

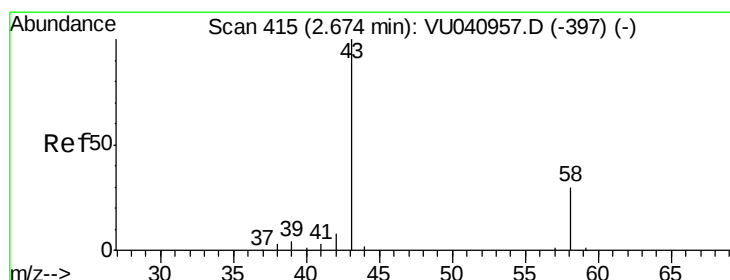
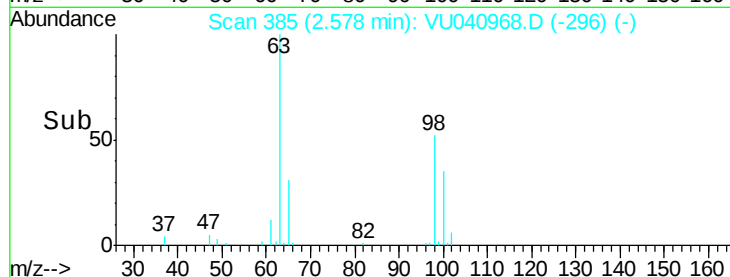
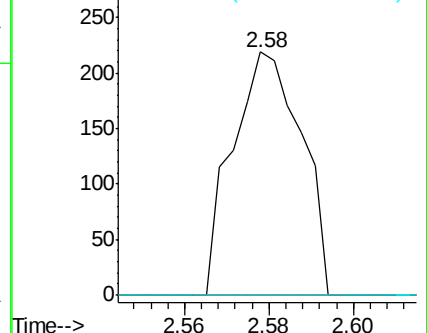
151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 4.221 ug/L

RT: 2.70 min Scan# 422

Delta R.T. 0.02 min

Lab File: VU040968.D

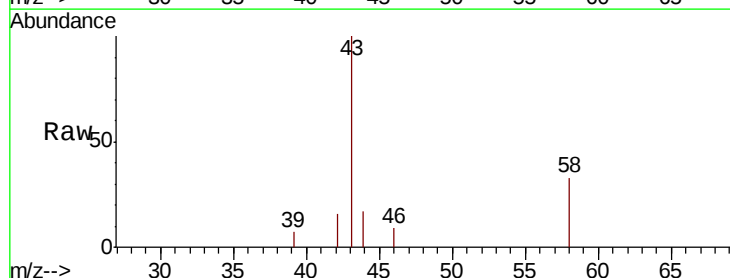
Acq: 27 Oct 2020 01:53

Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

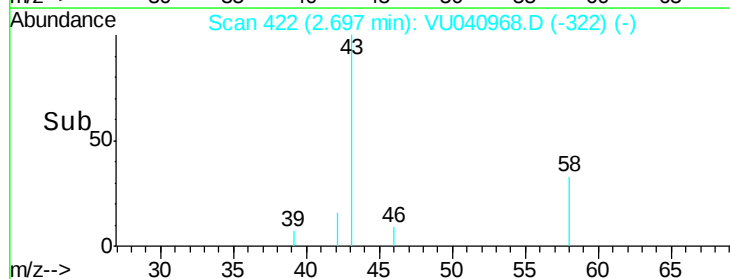
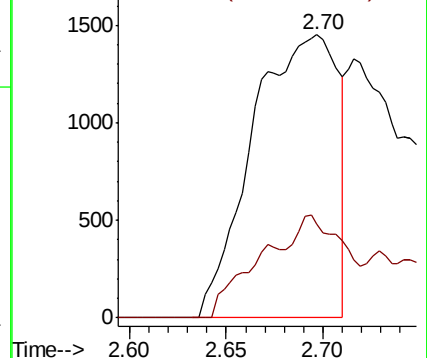
43 100

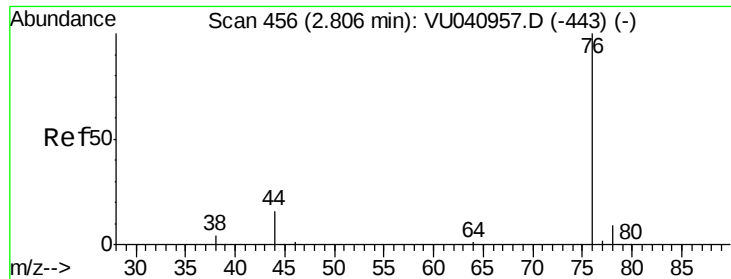
58 12.7 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 4.587 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

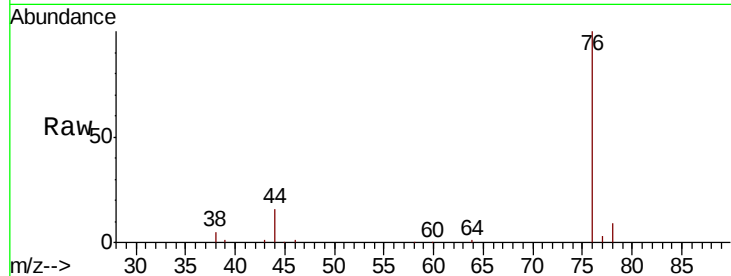
C0AN8

Tot Ion: 76 Resp: 60296

Ion Ratio Lower Upper

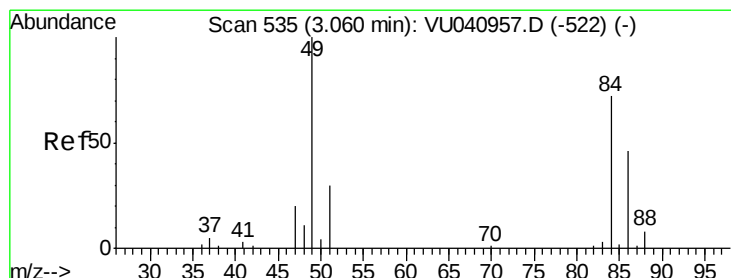
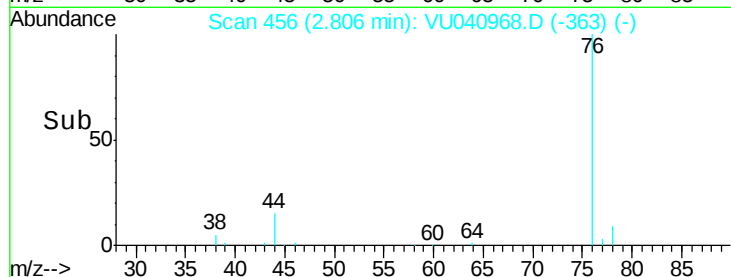
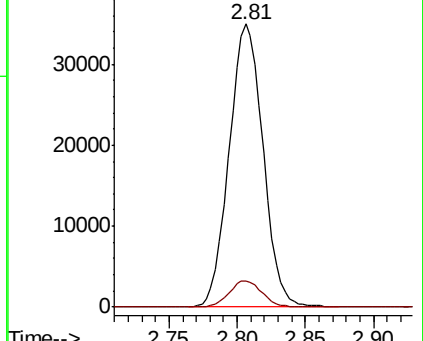
76 100

78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040957.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040957.D (-443) (-)



#16

Methylene chloride

Concen: 0.331 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

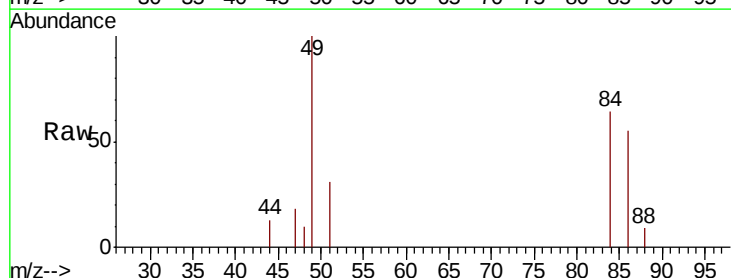
Tgt Ion: 84 Resp: 1519

Ion Ratio Lower Upper

84 100

86 85.2 42.8 79.6#

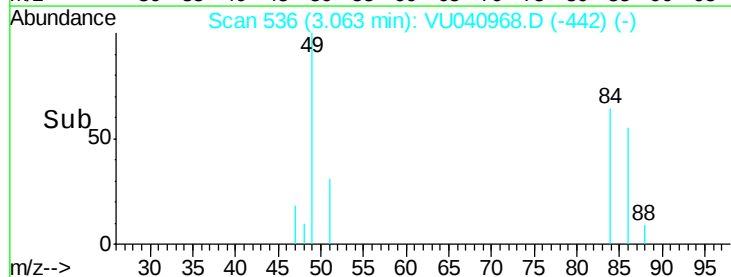
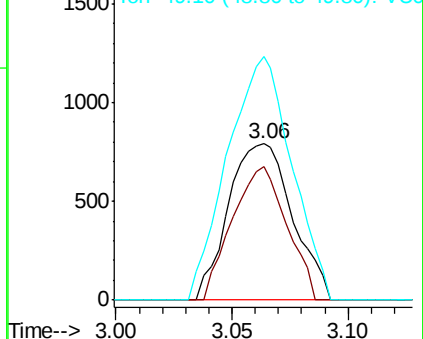
49 155.9 99.5 184.7

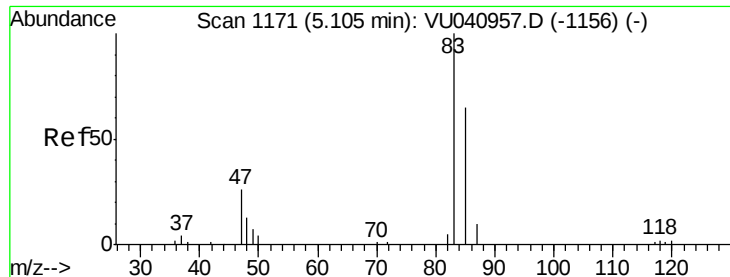


Abundance Ion 84.05 (83.75 to 84.75): VU040957.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU040957.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU040957.D (-522) (-)

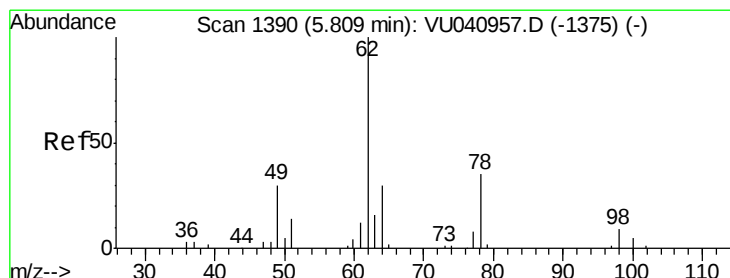
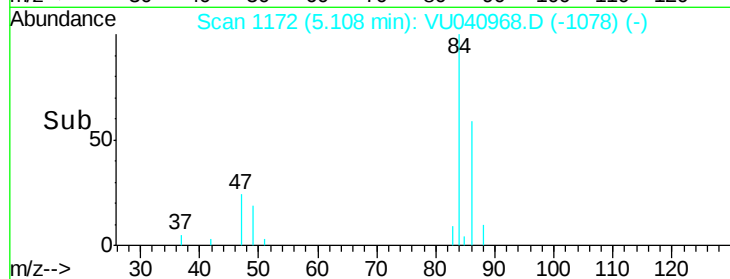
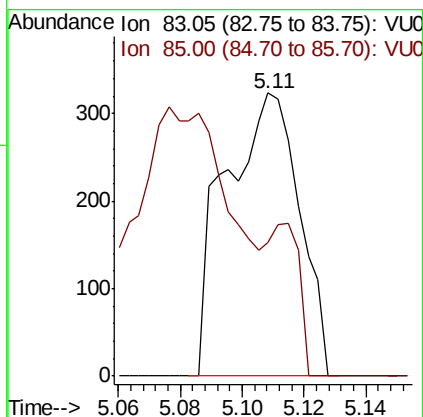
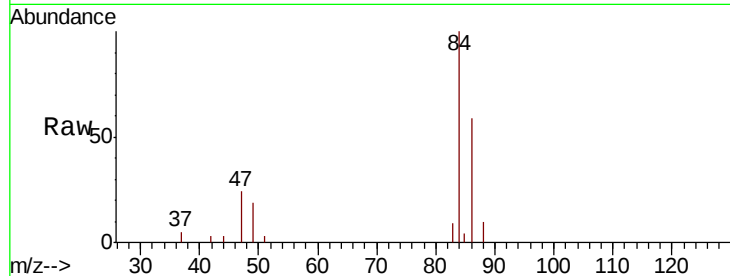




#25
Chloroform
Concen: 0.067 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

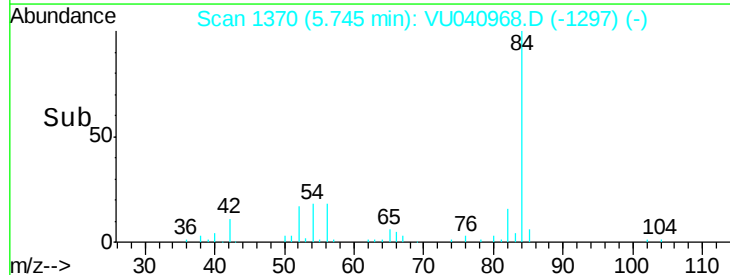
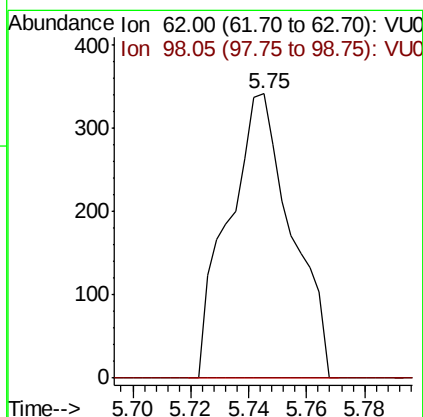
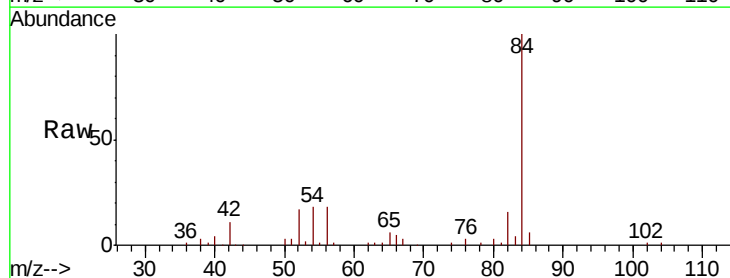
Instrument :
MSVOA_U
ClientSampled :
COAN8

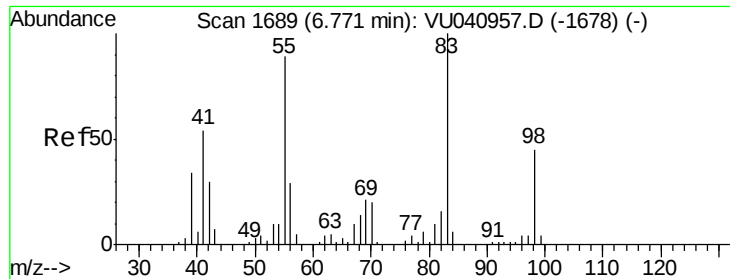
Tot Ion: 83 Resp: 538
Ion Ratio Lower Upper
83 100
85 47.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.086 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

Tgt Ion: 62 Resp: 513
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

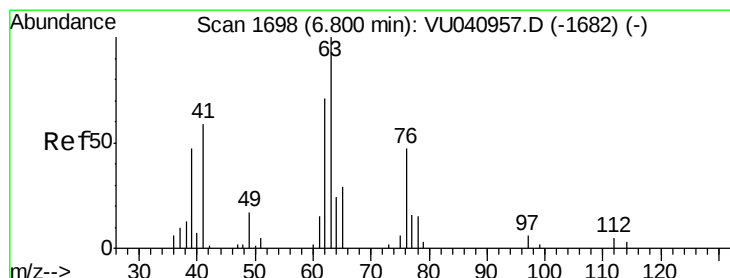
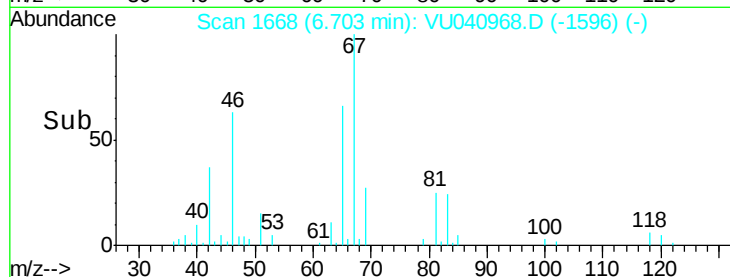
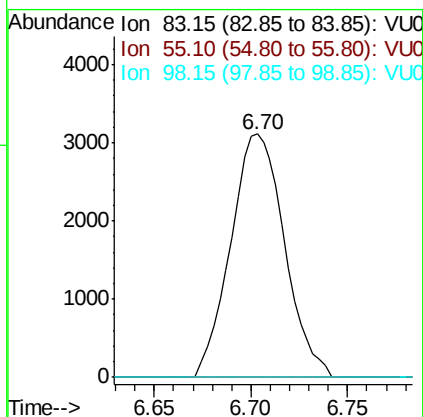
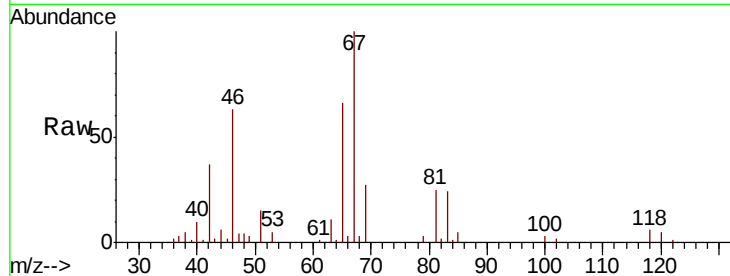




#35
Methvlcvclohexane
Concen: 0.903 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

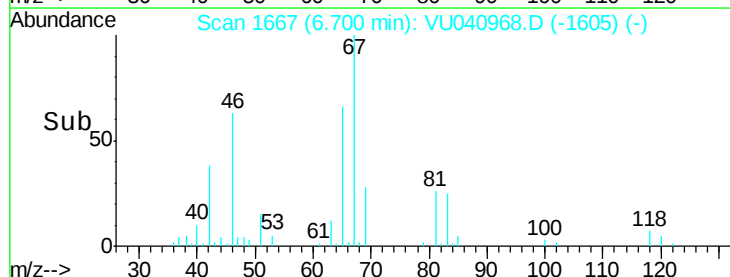
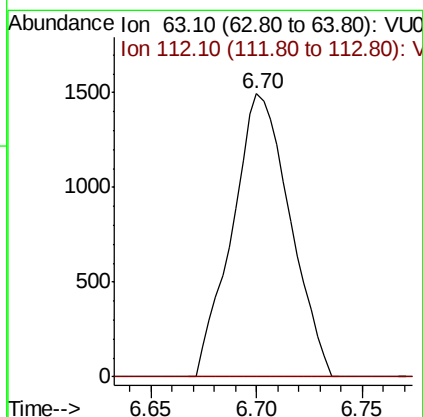
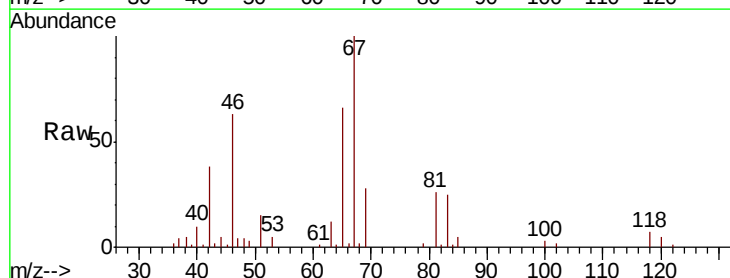
Instrument :
MSVOA_U
ClientSampleId :
COAN8

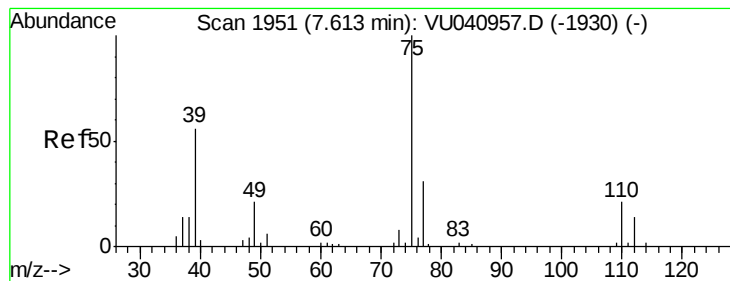
Tot Ion: 83 Resp: 6018
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.599 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

Tgt Ion: 63 Resp: 2843
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

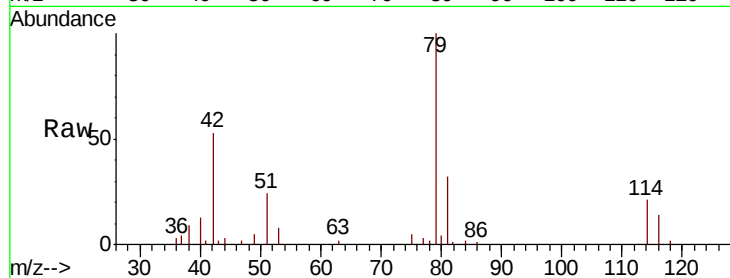
COAN8

Tot Ion: 75 Resp: 740

Ion Ratio Lower Upper

75 100

77 52.7 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

400

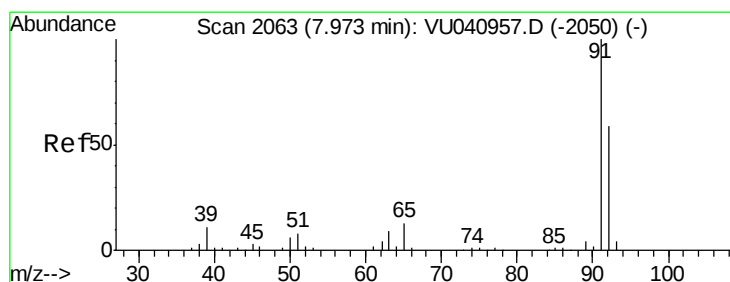
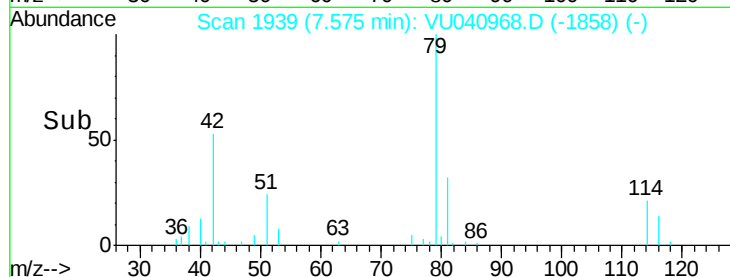
300

200

100

0

Time--> 7.52 7.54 7.56 7.58 7.60



#42

Toluene

Concen: 0.042 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040968.D

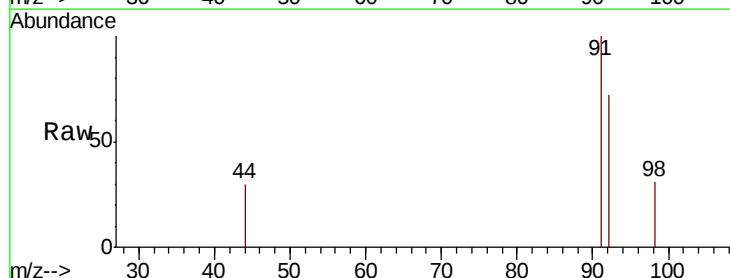
Acq: 27 Oct 2020 01:53

Tgt Ion: 91 Resp: 739

Ion Ratio Lower Upper

91 100

92 72.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

500

400

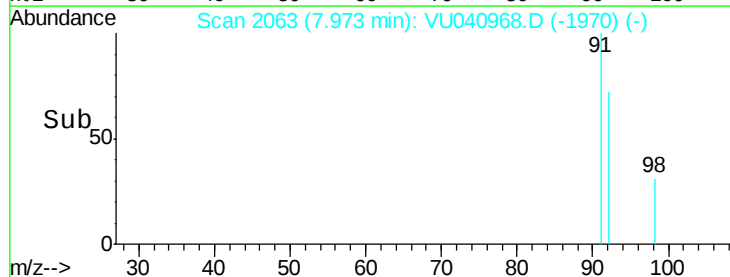
300

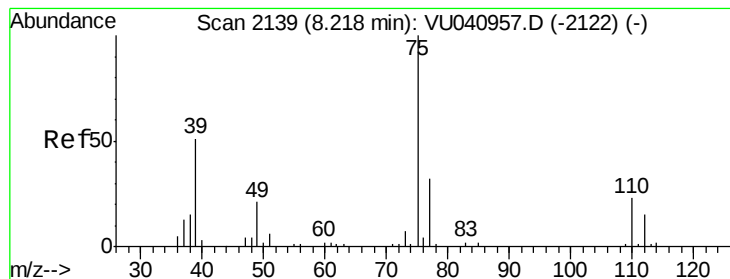
200

100

0

Time--> 7.94 7.96 7.98 8.00





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

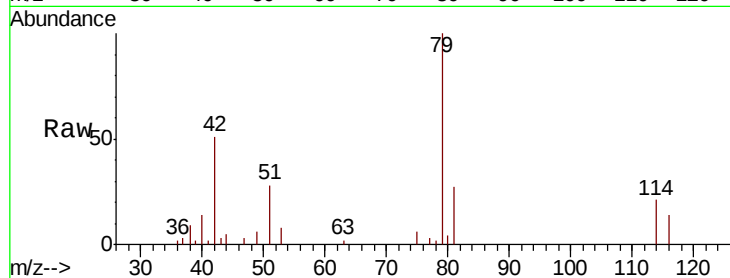
COAN8

Tot Ion: 75 Resp: 395

Ion Ratio Lower Upper

75 100

77 51.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040957.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU040957.D (-2122) (-)

8.19

300

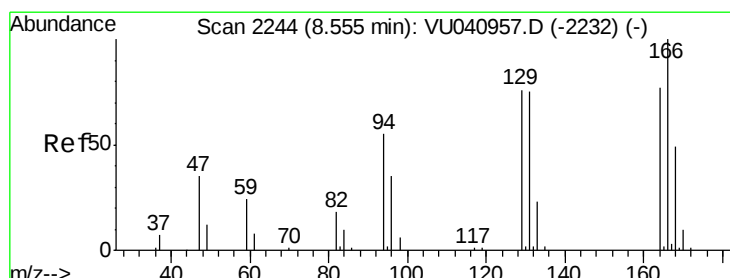
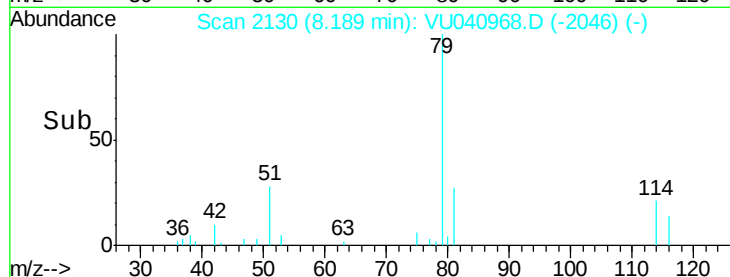
200

100

0

8.16 8.18 8.20

Time-->



#47

Tetrachloroethene

Concen: 0.983 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Tgt Ion: 164 Resp: 3229

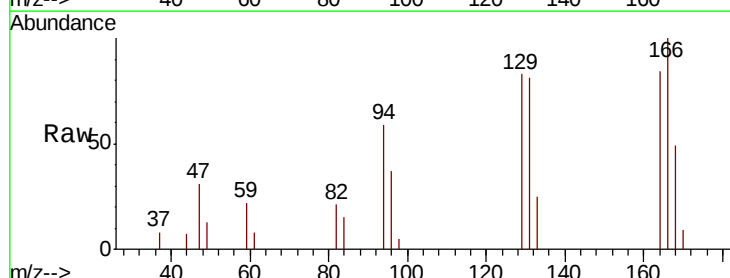
Ion Ratio Lower Upper

164 100

129 98.1 70.3 130.7

131 95.6 70.8 131.4

166 118.7 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): VU040957.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040957.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040957.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040957.D (-2232) (-)

3000

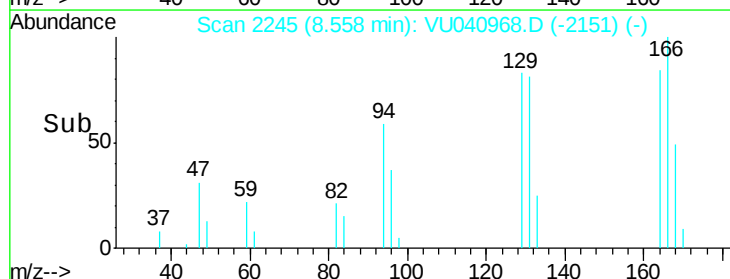
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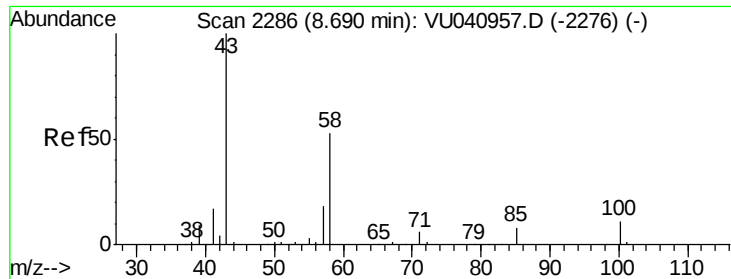
1000

0

8.50 8.55 8.60

Time-->

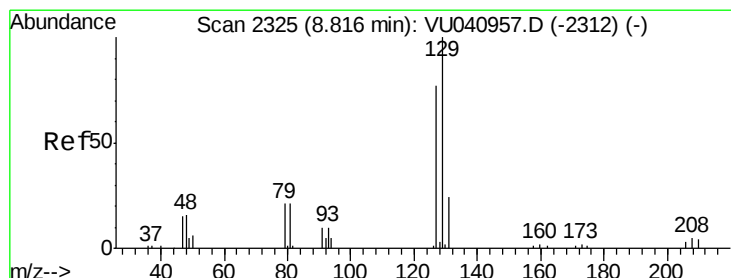
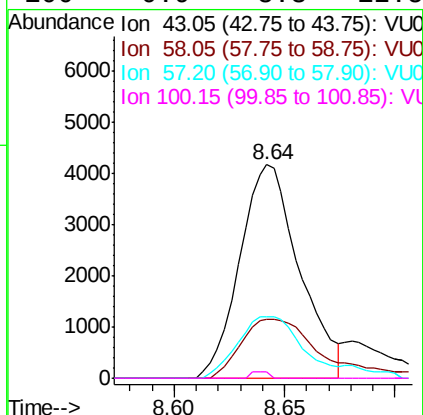
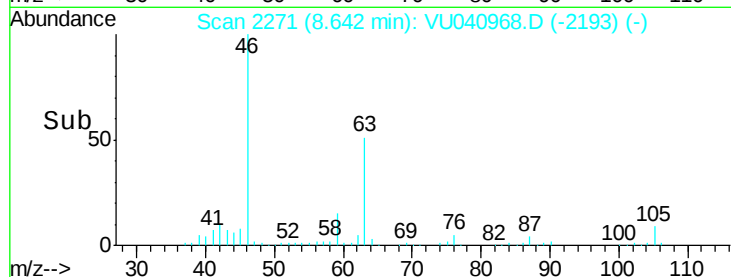
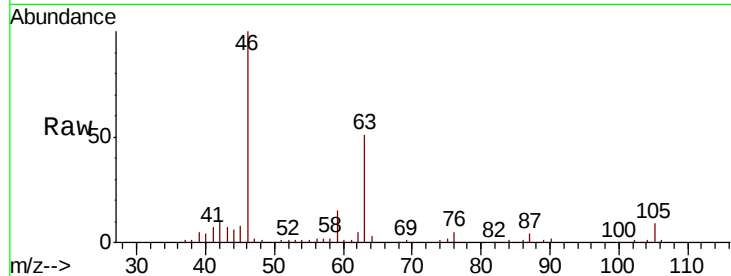




#48
2-Hexanone
Concen: 2.737 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

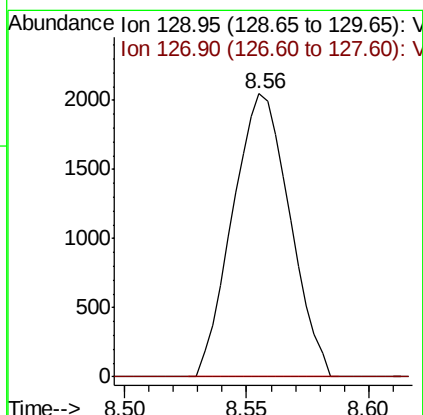
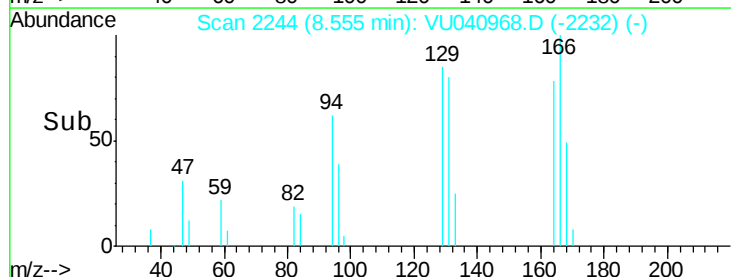
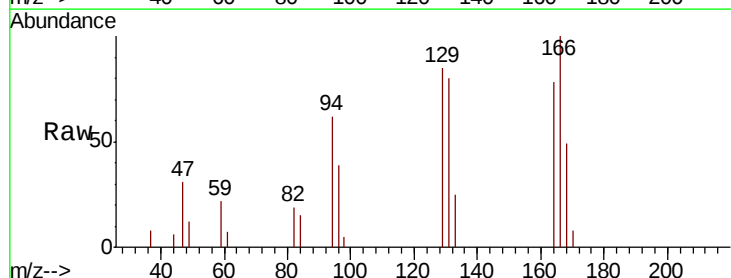
Instrument :
MSVOA_U
ClientSampleId :
COAN8

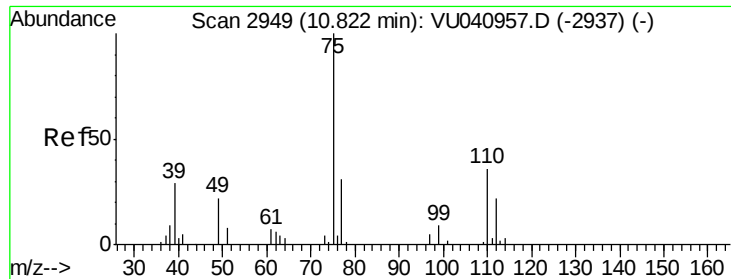
Tot Ion: 43 Resp: 7803
Ion Ratio Lower Upper
43 100
58 37.3 41.4 62.2#
57 34.3 14.6 21.8#
100 0.9 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.810 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040968.D
Acq: 27 Oct 2020 01:53

Tgt Ion: 129 Resp: 3324
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.922 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

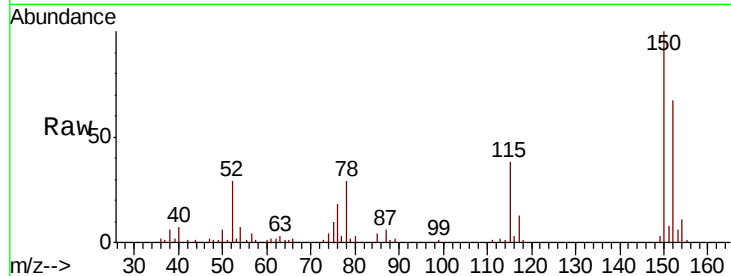
C0AN8

Tot Ion: 75 Resp: 3265

Ion Ratio Lower Upper

75 100

77 35.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040957.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040957.D (-2937) (-)

11.81

2500

2000

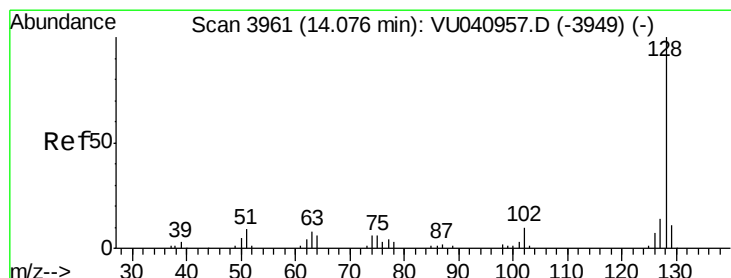
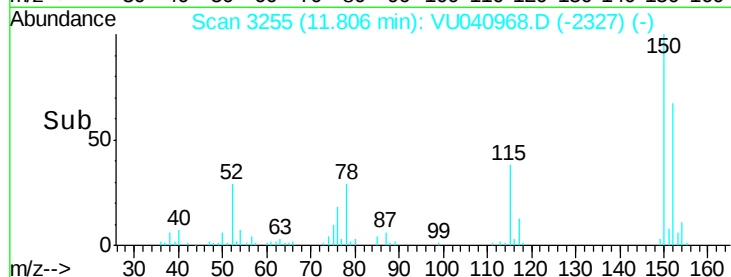
1500

1000

500

0

Time--> 11.75 11.80 11.85



#69

Naphthalene

Concen: 0.055 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040968.D

Acq: 27 Oct 2020 01:53

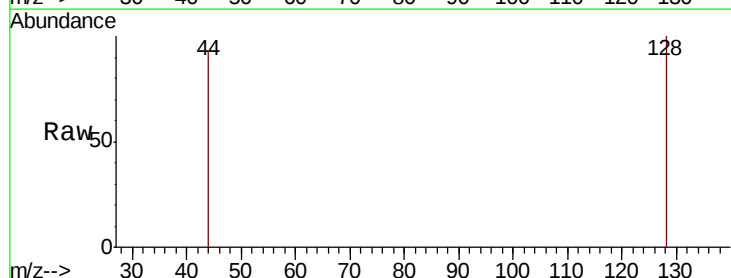
Tgt Ion: 128 Resp: 382

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): VU040957.D (-3949) (-)

Ion 129.00 (128.70 to 129.70): VU040957.D (-3949) (-)

Ion 127.00 (126.70 to 127.70): VU040957.D (-3949) (-)

14.08

400

300

200

100

0

Time--> 14.04 14.06 14.08 14.10

