

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041182.D
 Acq On : 10 Nov 2020 16:51
 Operator : SY/MD
 Sample : L4673-16DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T4DL

Quant Time: Nov 11 00:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61328	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63600	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28619	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14422	2.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.00%
7) Chloroethane-d5	1.92	69	13971	3.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.60%
11) 1,1-Dichloroethene-d2	2.58	63	23922	2.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.40%#
20) 2-Butanone-d5	4.65	46	80407	47.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.78%
24) Chloroform-d	5.08	84	39876	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	26100	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.74	84	65822	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.70	67	24224	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	52871	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.60%#
43) trans-1,3-Dichloropropene-	8.19	79	9043	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.64	63	59189	45.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22599	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	24121	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	1350	0.234 ug/L #	64
8) Chloroethane	1.90	64	367	0.101 ug/L #	43
16) Methylene chloride	3.05	84	1511	0.299 ug/L	75
18) trans-1,2-Dichloroethene	3.37	96	2199	0.499 ug/L	95
21) 2-Butanone	4.82	43	15256	8.415 ug/L #	54
22) cis-1,2-Dichloroethene	4.68	96	23342	5.140 ug/L	95
25) Chloroform	5.10	83	731	0.083 ug/L	88
27) 1,2-Dichloroethane	5.74	62	386	0.059 ug/L #	74
34) Trichloroethene	6.56	95	996	0.206 ug/L	86
35) Methylcyclohexane	6.70	83	5499	0.762 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2796	0.544 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	691	0.098 ug/L #	57
44) trans-1,3-Dichloropropene	8.19	75	375	0.057 ug/L #	41
48) 2-Hexanone	8.64	43	8878	2.876 ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	3955	1.032 ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

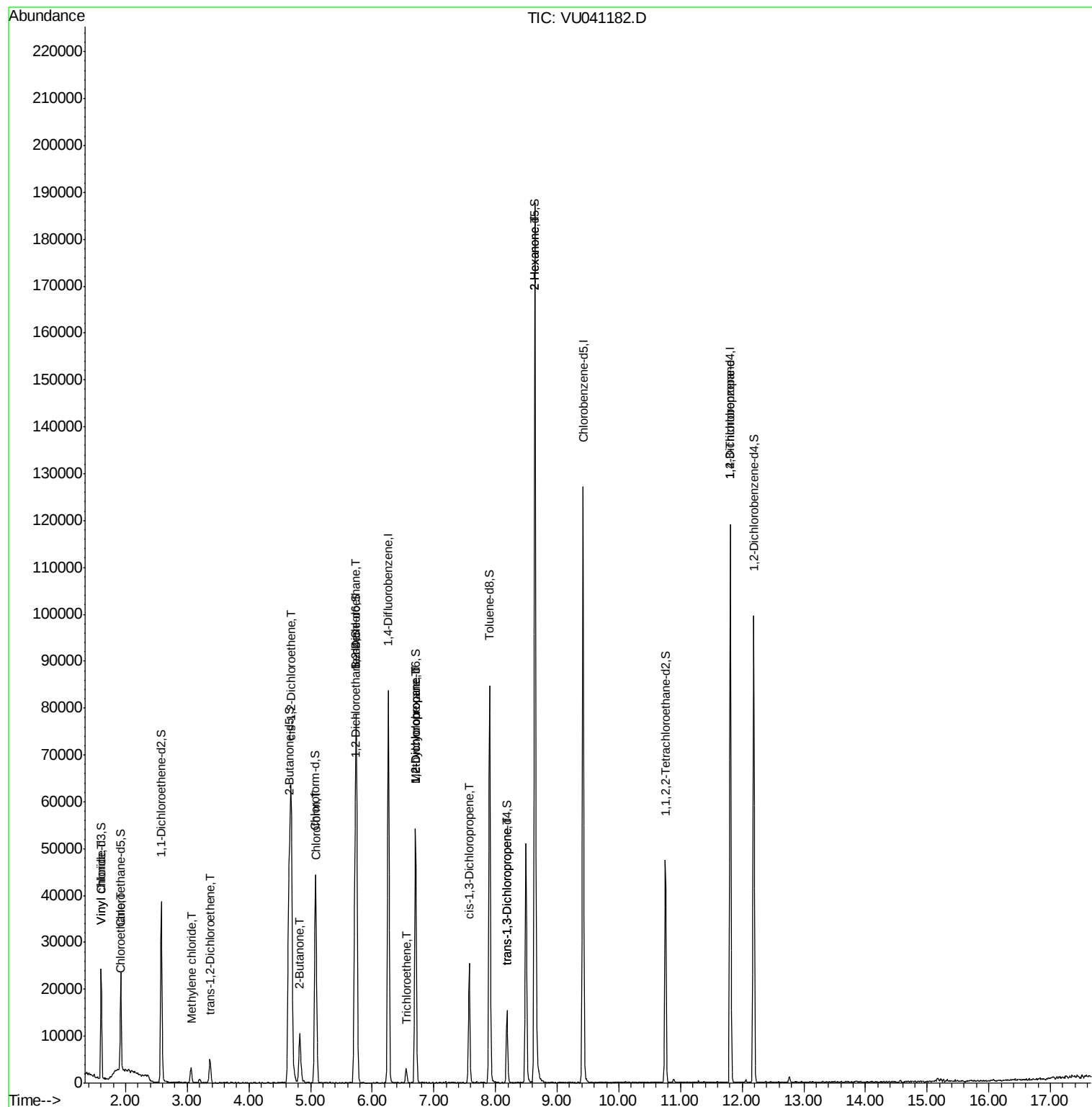
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

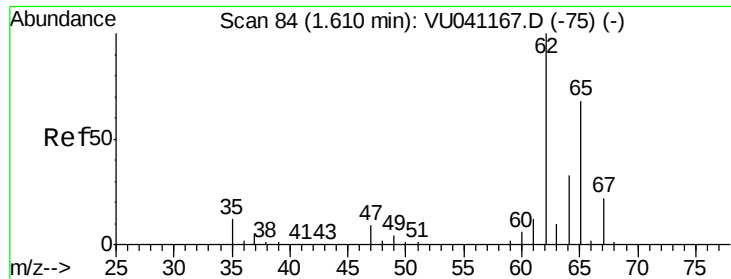
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 0.234 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleID :

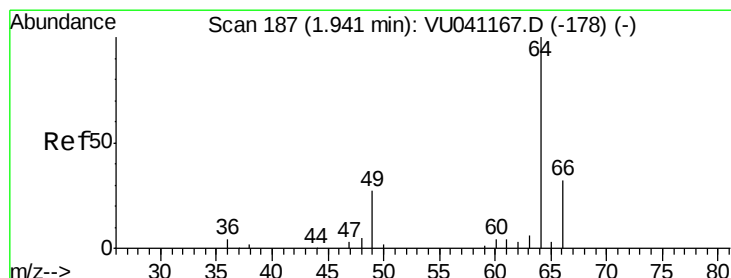
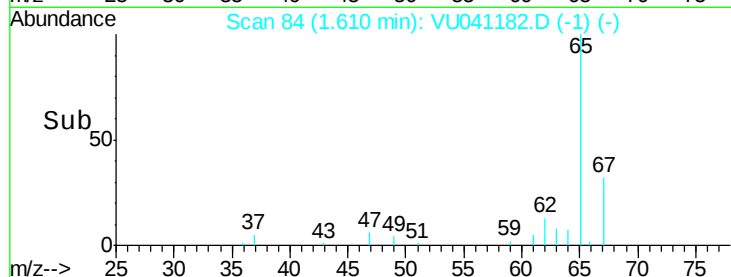
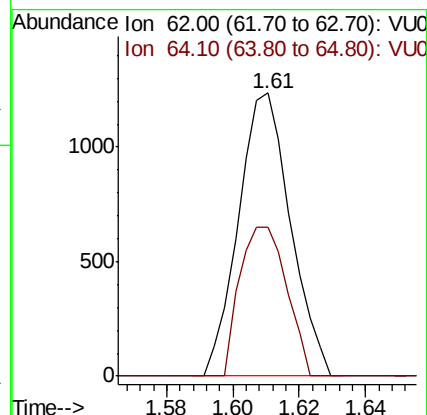
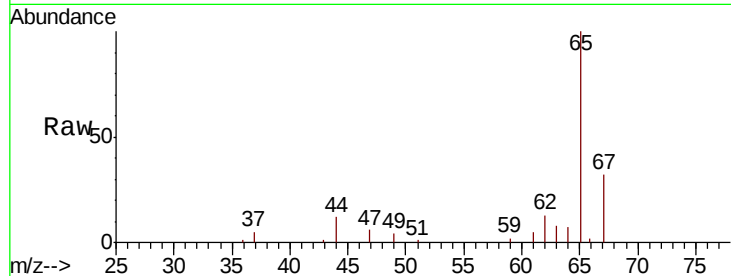
GB0T4DL

Tot Ion: 62 Resp: 1350

Ion Ratio Lower Upper

62 100

64 52.6 22.7 42.3#



#8

Chloroethane

Concen: 0.101 ug/L

RT: 1.90 min Scan# 175

Delta R.T. -0.04 min

Lab File: VU041182.D

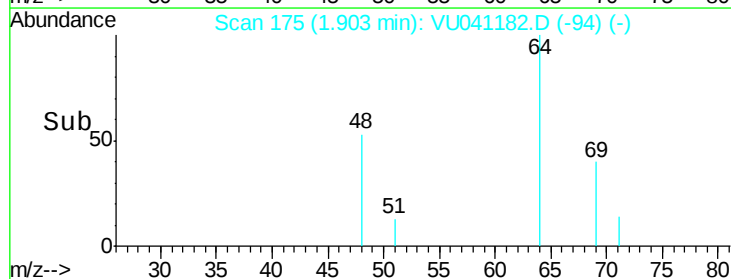
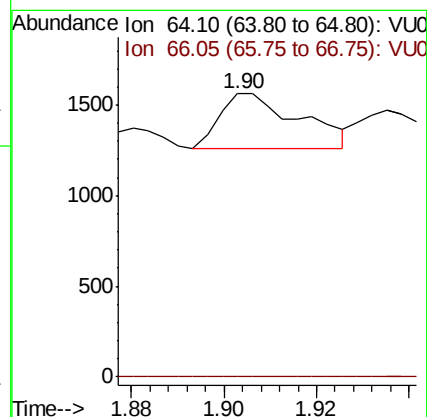
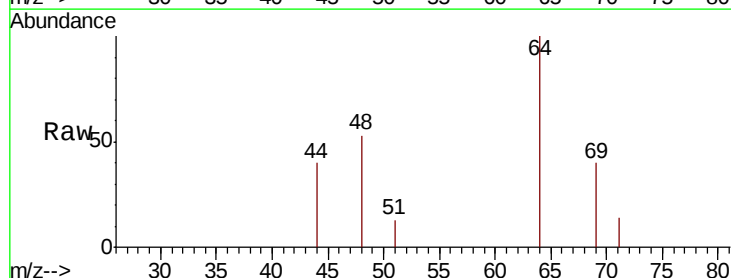
Acq: 10 Nov 2020 16:51

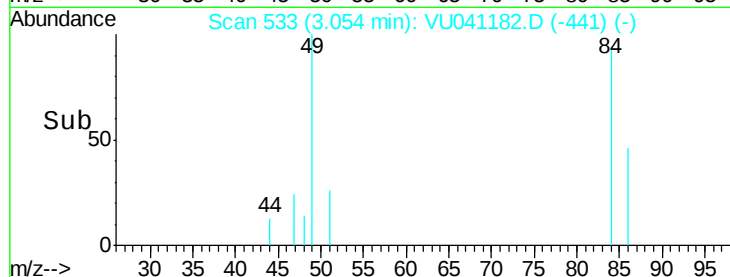
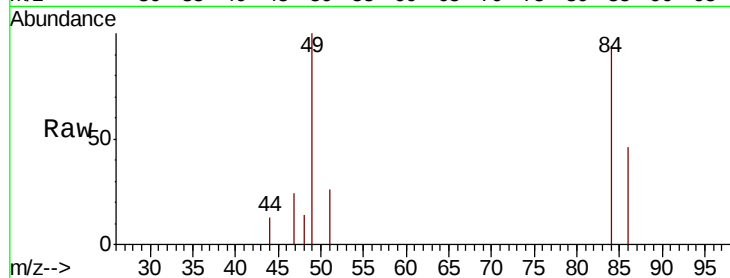
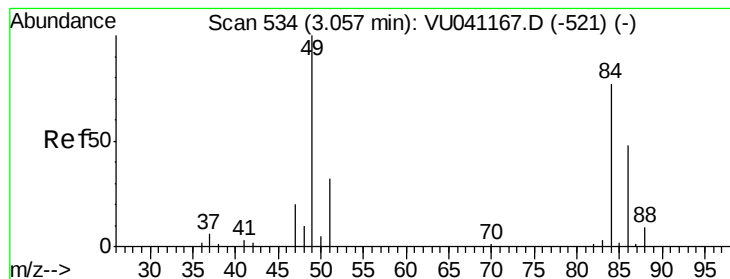
Tgt Ion: 64 Resp: 367

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#16

Methylene chloride

Concen: 0.299 ug/L

RT: 3.05 min Scan# 533

Delta R.T. -0.00 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

GB0T4DL

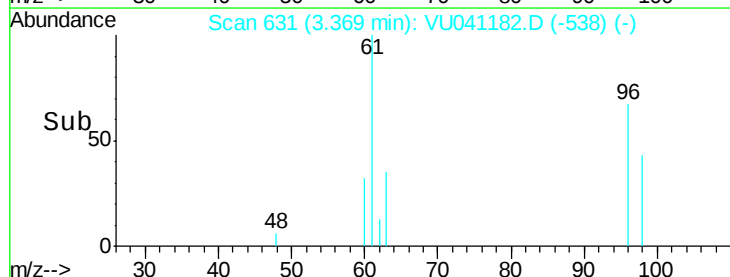
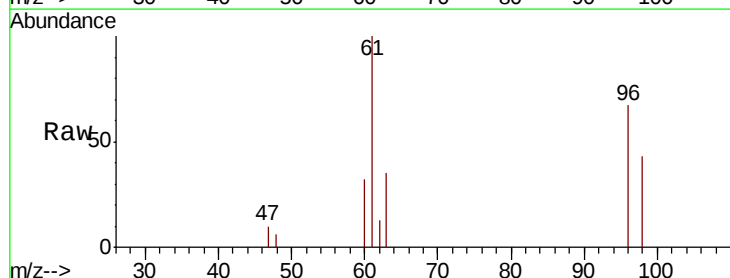
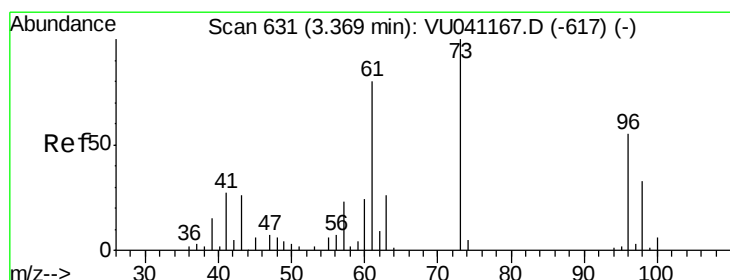
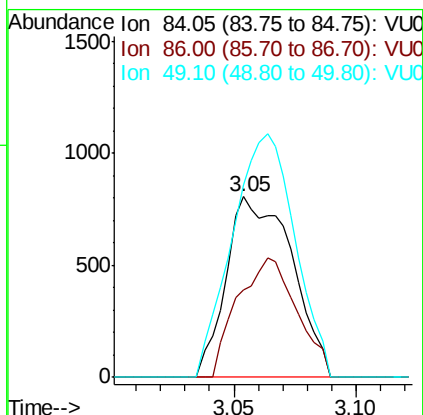
Tot Ion: 84 Resp: 1511

Ion Ratio Lower Upper

84 100

86 48.3 42.8 79.6

49 106.2 99.5 184.7



#18

trans-1,2-Dichloroethene

Concen: 0.499 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

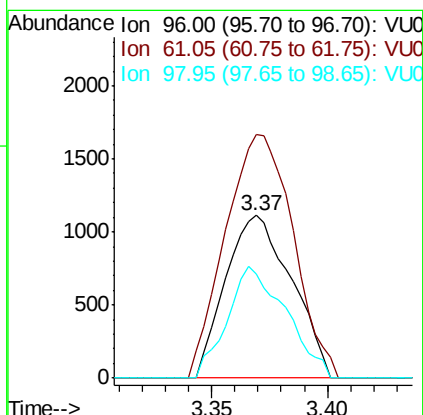
Tgt Ion: 96 Resp: 2199

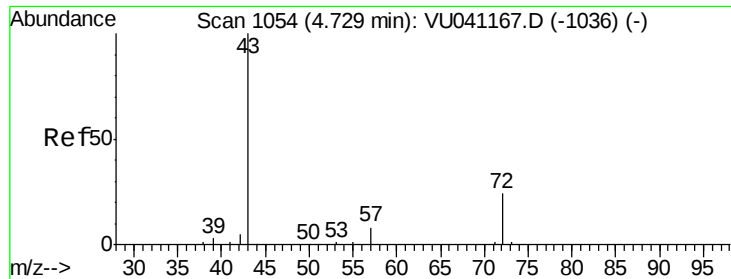
Ion Ratio Lower Upper

96 100

61 149.6 110.9 205.9

98 64.0 45.4 84.2

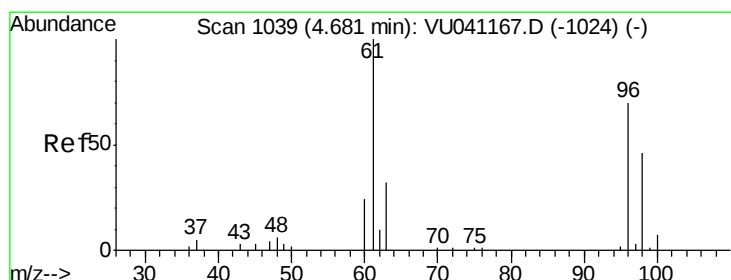
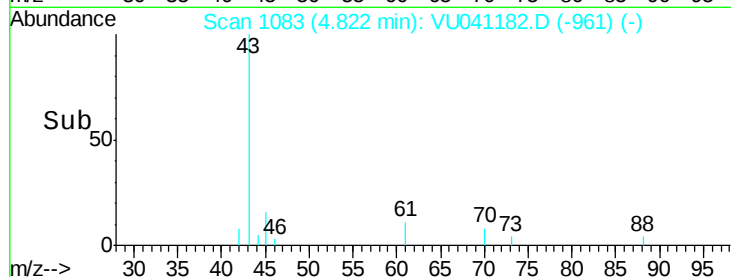
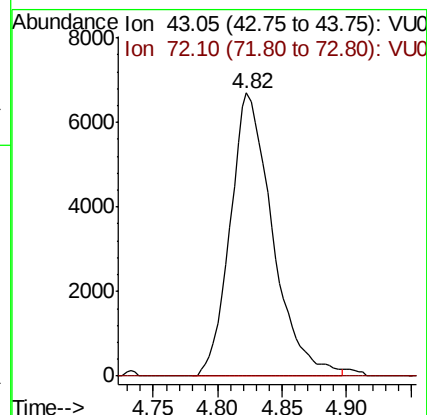
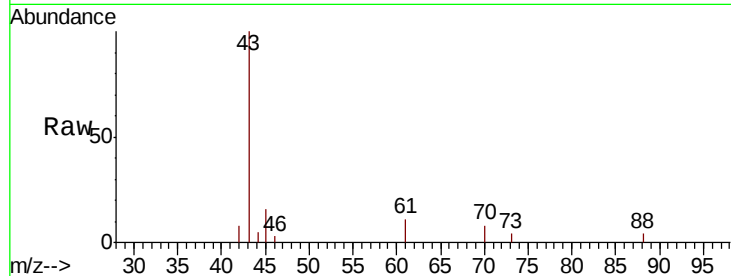




#21
 2-Butanone
 Concen: 8.415 ug/L
 RT: 4.82 min Scan# 1083
 Delta R.T. 0.09 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

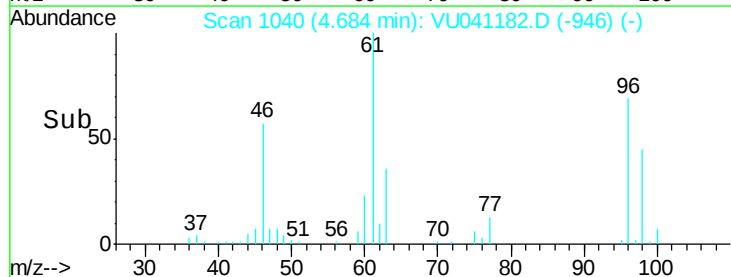
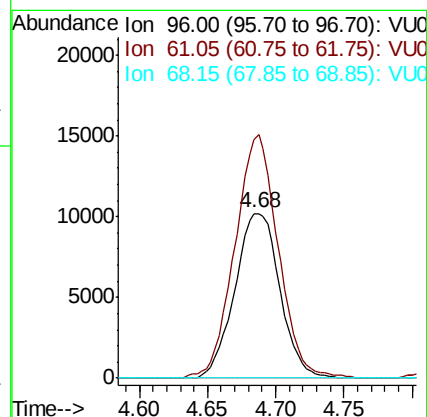
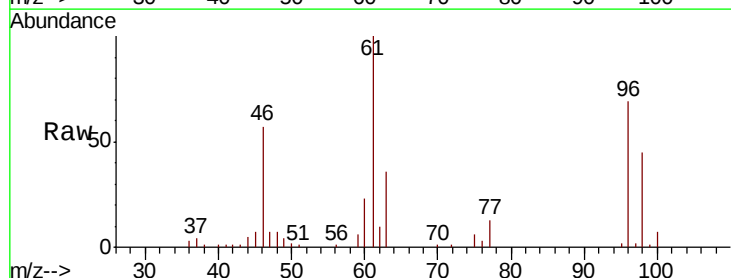
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T4DL

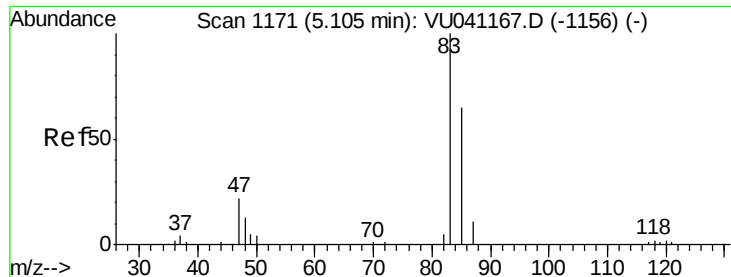
Tot Ion: 43 Resp: 15256
 Ion Ratio Lower Upper
 43 100
 72 1.1 11.8 35.4#



#22
 cis-1,2-Dichloroethene
 Concen: 5.140 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

Tgt Ion: 96 Resp: 23342
 Ion Ratio Lower Upper
 96 100
 61 145.0 97.2 180.4
 68 0.0 0.0 0.0

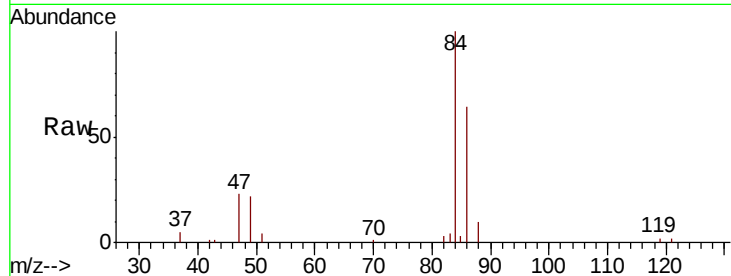




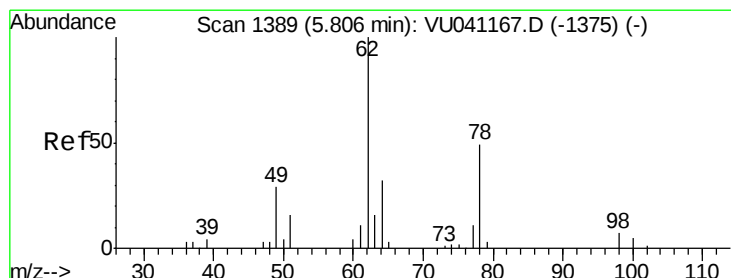
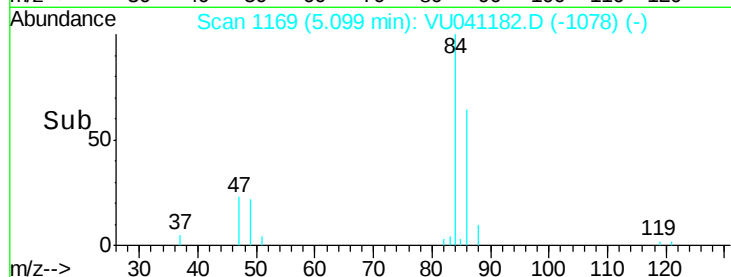
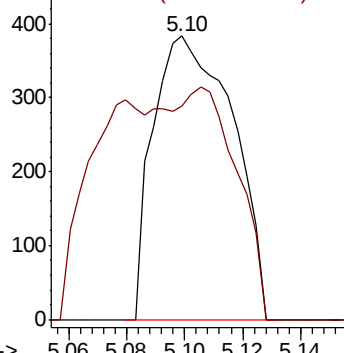
#25
Chloroform
Concen: 0.083 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU041182.D
Acq: 10 Nov 2020 16:51

Instrument :
MSVOA_U
ClientSampleId :
GB0T4DL

Tot Ion: 83 Resp: 731
Ion Ratio Lower Upper
83 100
85 75.5 46.1 85.7

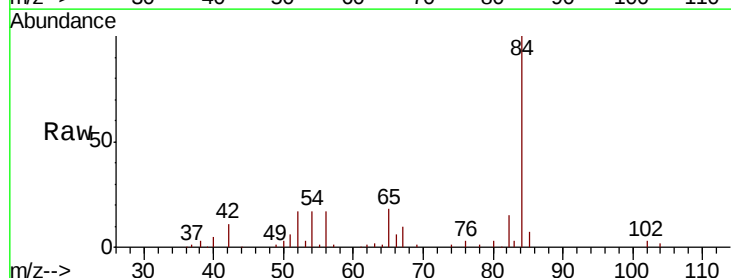


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

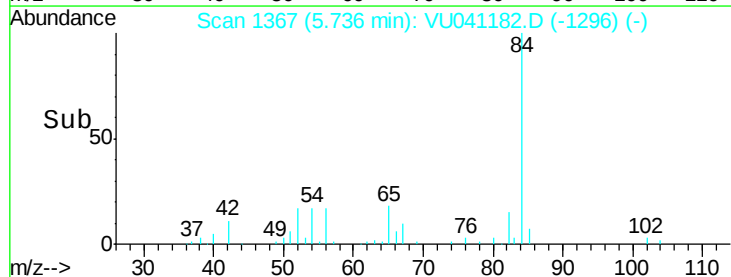
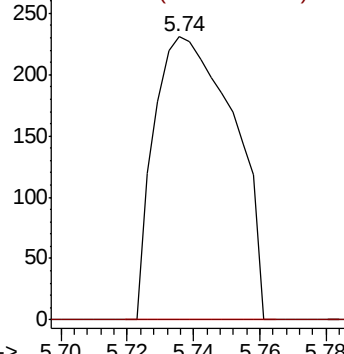


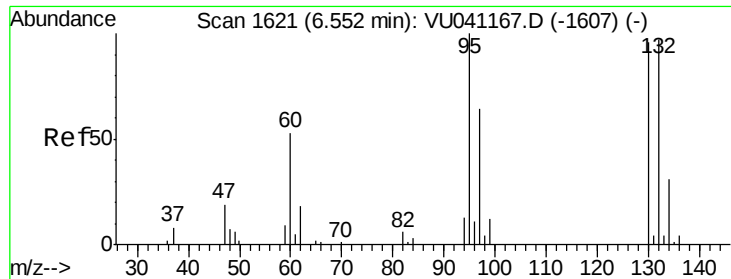
#27
1,2-Dichloroethane
Concen: 0.059 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.07 min
Lab File: VU041182.D
Acq: 10 Nov 2020 16:51

Tgt Ion: 62 Resp: 386
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

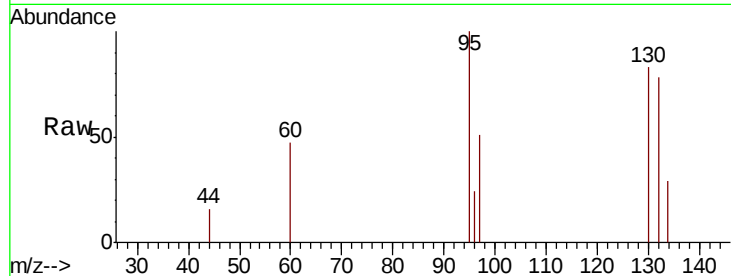




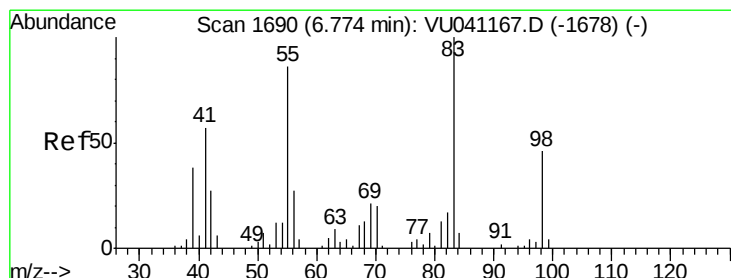
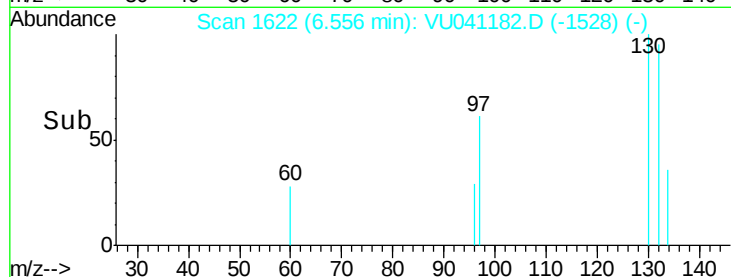
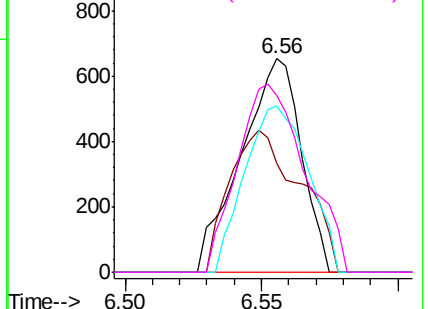
#34
 Trichloroethene
 Concen: 0.206 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

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Tot Ion: 95 Resp: 996
 Ion Ratio Lower Upper
 95 100
 97 50.6 45.6 84.6
 132 78.1 64.8 120.4
 130 82.6 64.8 120.4

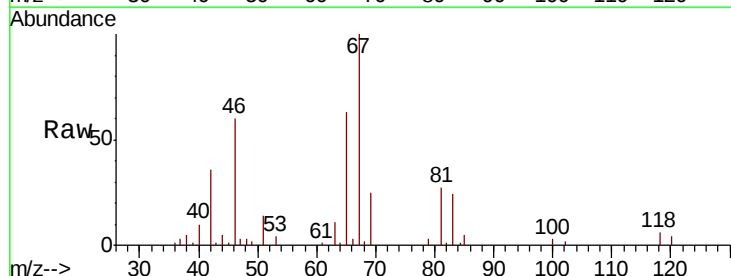


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

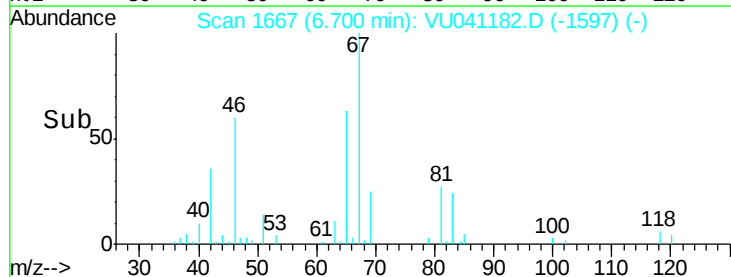
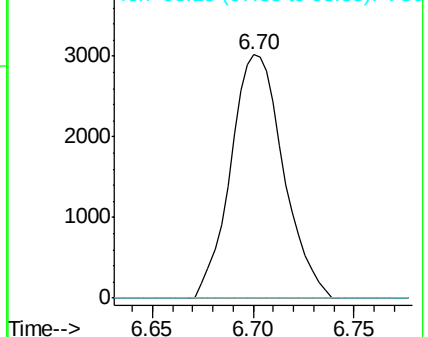


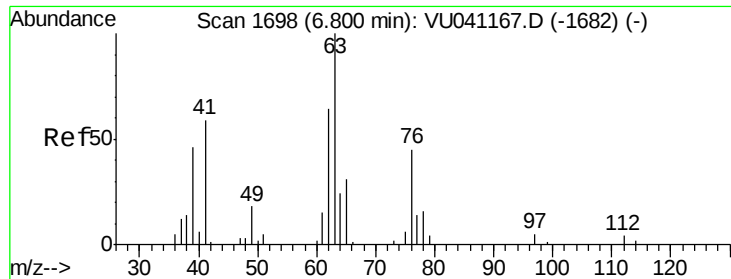
#35
 Methylcyclohexane
 Concen: 0.762 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

Tgt Ion: 83 Resp: 5499
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 2.3 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

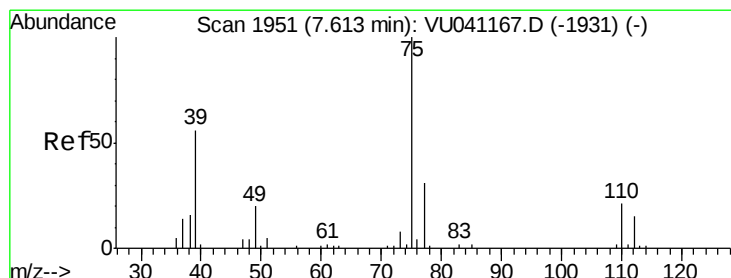
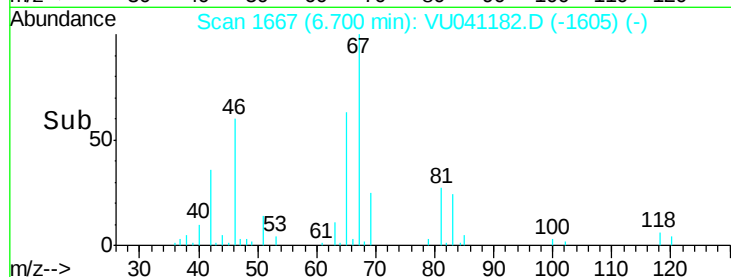
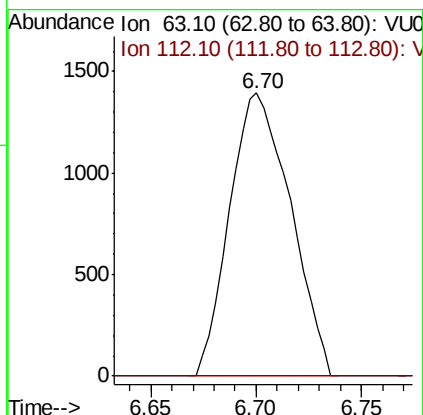
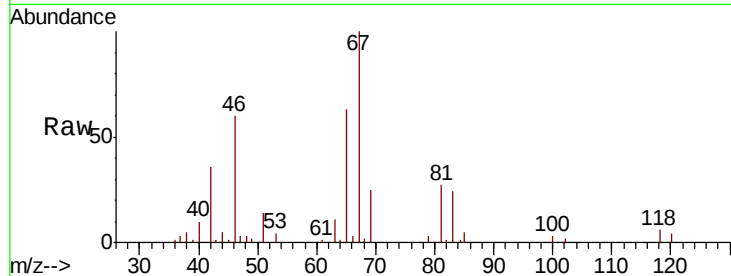




#37
 1,2-Dichloropropane
 Concen: 0.544 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

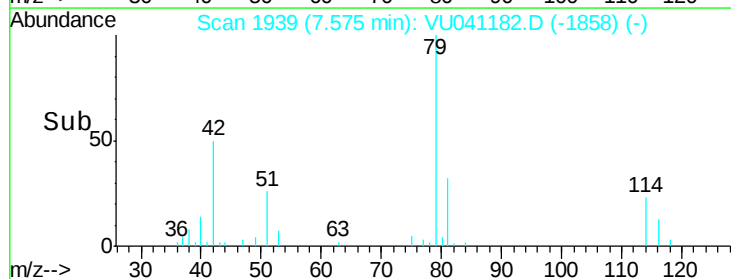
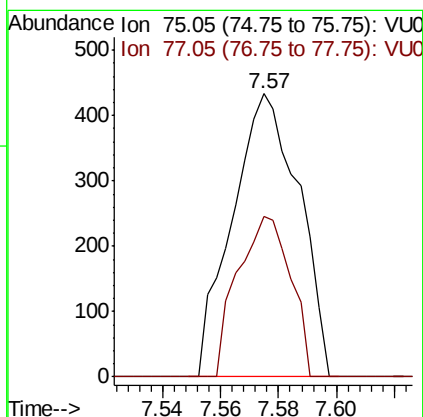
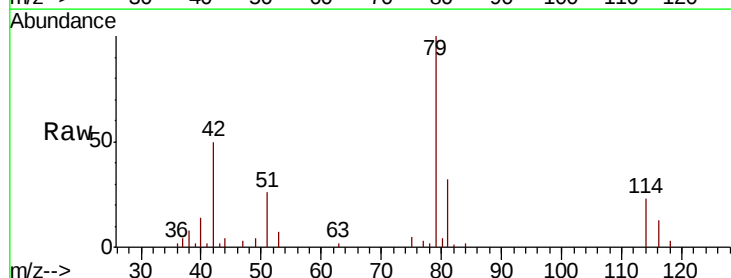
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 GB0T4DL

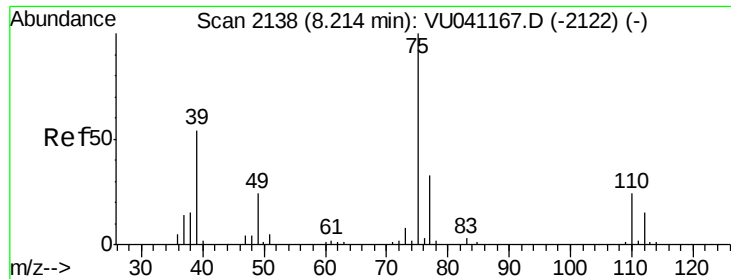
Tot Ion: 63 Resp: 2796
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041182.D
 Acq: 10 Nov 2020 16:51

Tgt Ion: 75 Resp: 691
 Ion Ratio Lower Upper
 75 100
 77 56.6 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

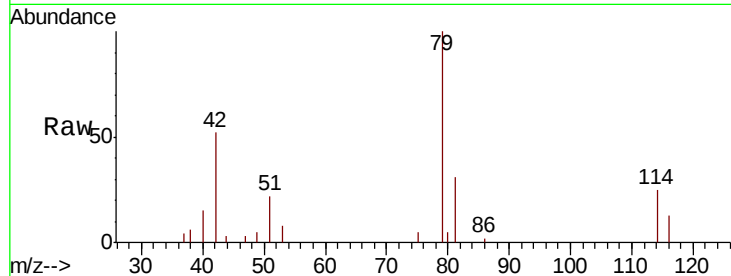
GB0T4DL

Tot Ion: 75 Resp: 375

Ion Ratio Lower Upper

75 100

77 0.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

250

200

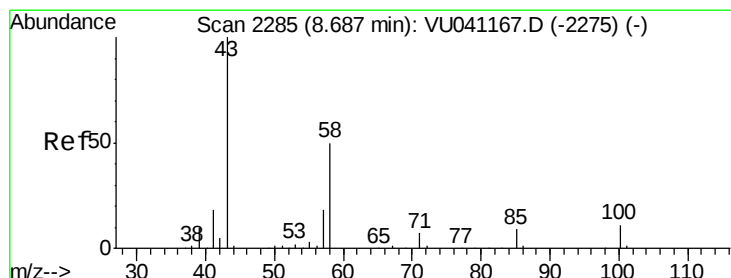
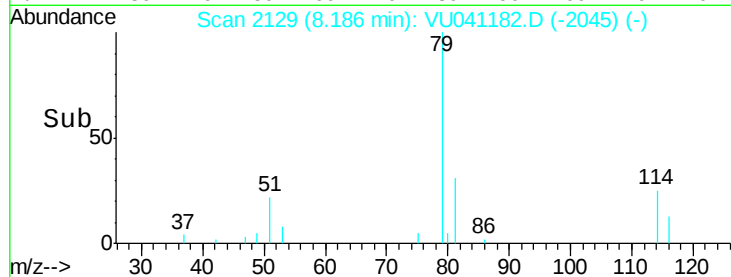
150

100

50

0

Time-->



#48

2-Hexanone

Concen: 2.876 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

Tgt Ion: 43 Resp: 8878

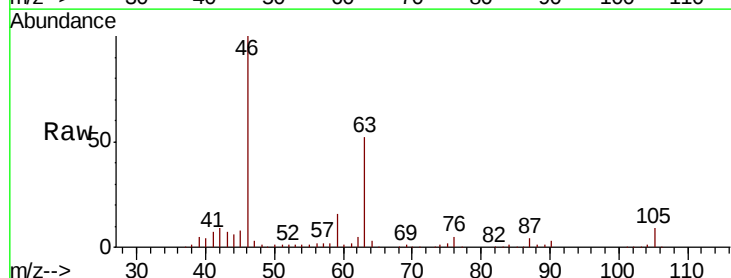
Ion Ratio Lower Upper

43 100

58 30.4 41.4 62.2#

57 27.3 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

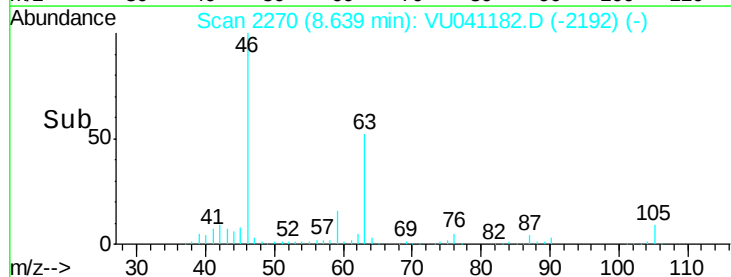
6000

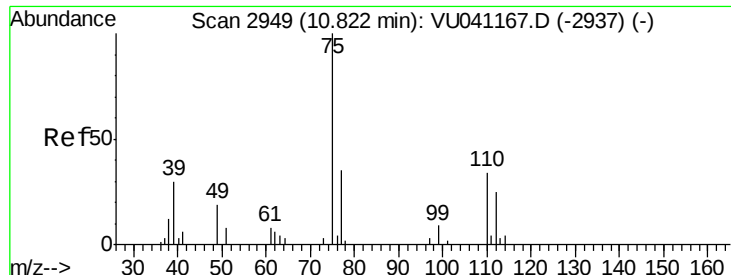
4000

2000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.032 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041182.D

Acq: 10 Nov 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

GB0T4DL

Tot Ion: 75 Resp: 3955

Ion Ratio Lower Upper

75 100

77 38.5 25.7 38.5

