

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041161.D
 Acq On : 09 Nov 2020 23:53
 Operator : SY/MD
 Sample : L4673-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

Quant Time: Nov 10 04:26:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57303	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59557	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26903	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15371	3.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.80%
7) Chloroethane-d5	1.92	69	14617	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.58	63	24500	2.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.80%#
20) 2-Butanone-d5	4.65	46	87789	55.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.76%
24) Chloroform-d	5.08	84	40850	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	26554	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	69925	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	25437	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	57713	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	8.19	79	9990	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	68666	56.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23996	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26287	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

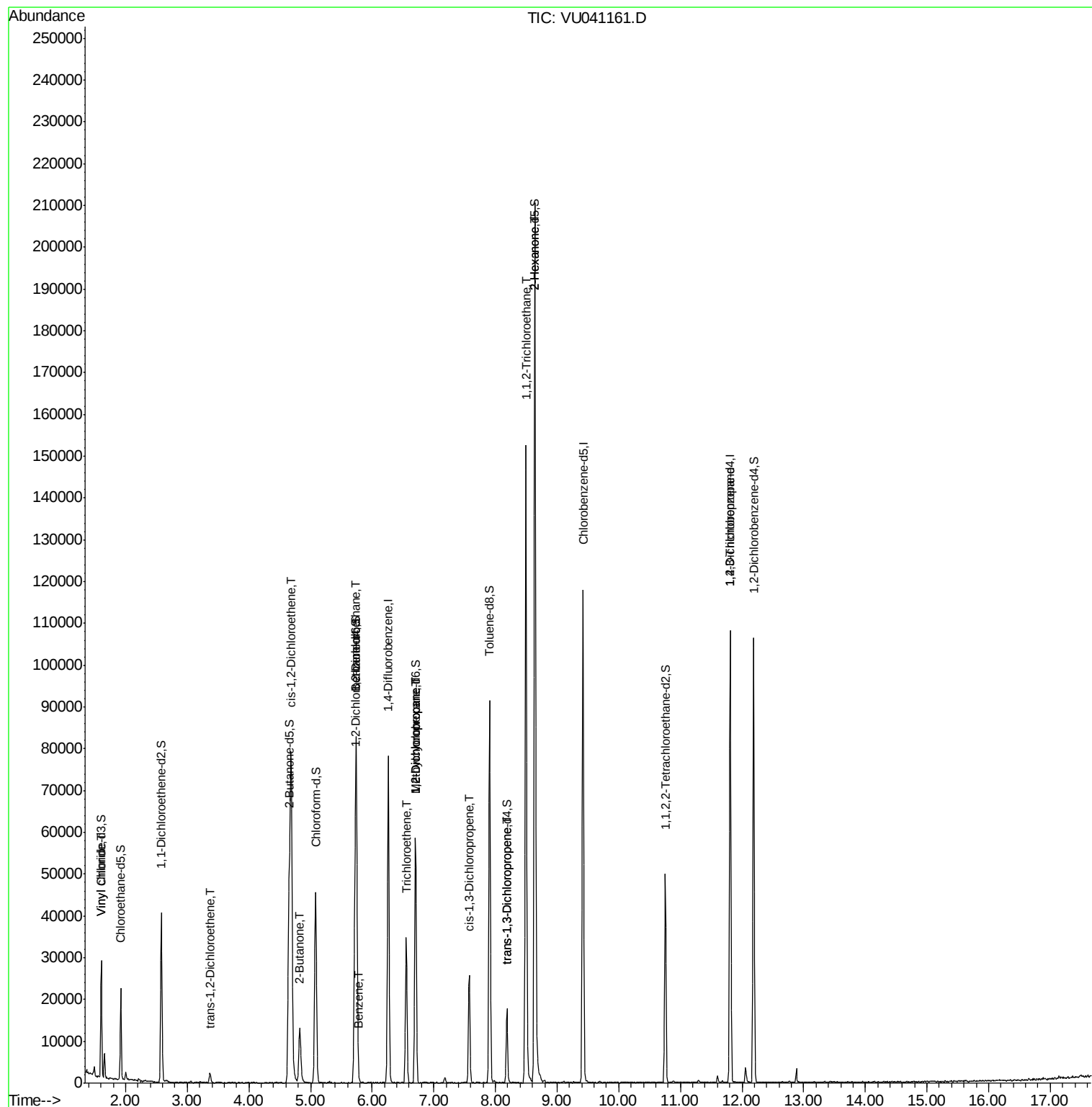
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2452	0.456	ug/L #	81
18) trans-1,2-Dichloroethene	3.37	96	1226	0.298	ug/L	72
21) 2-Butanone	4.83	43	19305	11.396	ug/L #	55
22) cis-1,2-Dichloroethene	4.69	96	29514	6.956	ug/L	98
27) 1,2-Dichloroethane	5.74	62	404	0.066	ug/L #	74
33) Benzene	5.79	78	606	0.034	ug/L	100
34) Trichloroethene	6.55	95	11542	2.549	ug/L	98
35) Methylcyclohexane	6.71	83	6056	0.896	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	3141	0.652	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	772	0.116	ug/L #	50
44) trans-1,3-Dichloropropene	8.19	75	504	0.081	ug/L	95
45) 1,1,2-Trichloroethane	8.49	97	452	0.126	ug/L #	1
48) 2-Hexanone	8.64	43	9006	3.115	ug/L #	69
59) 1,2,3-Trichloropropane	11.81	75	3483	0.971	ug/L #	86

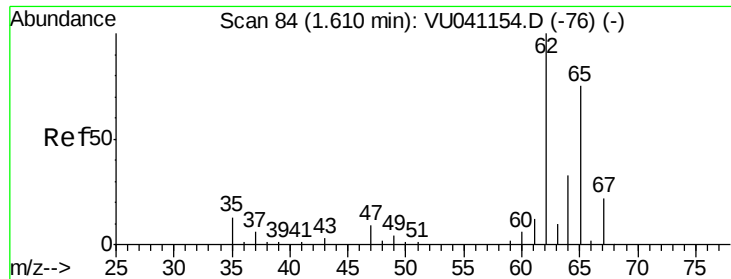
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.456 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

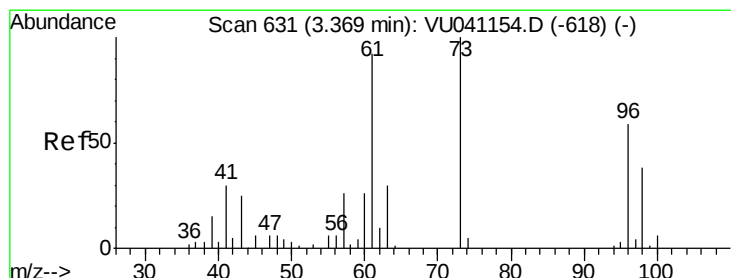
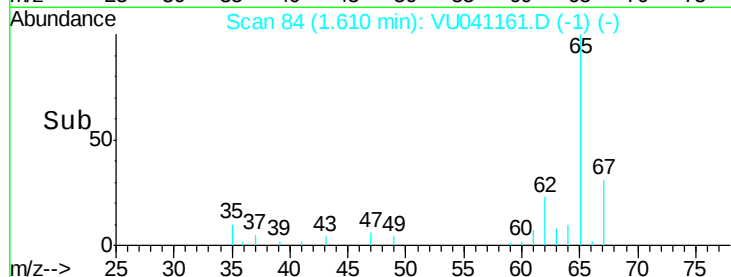
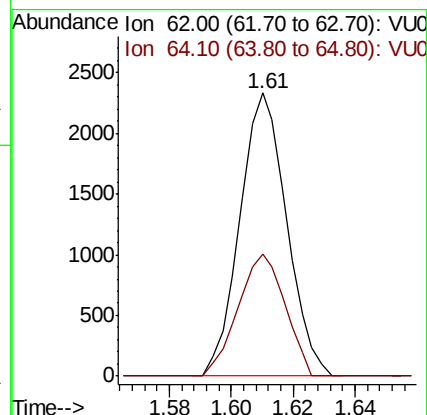
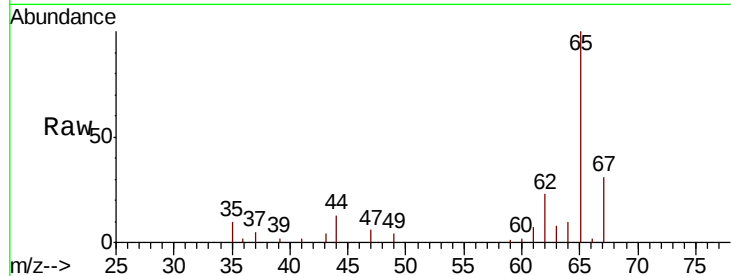
GB0T3

Tot Ion: 62 Resp: 2452

Ion Ratio Lower Upper

62 100

64 43.0 22.7 42.3#



#18

trans-1,2-Dichloroethene

Concen: 0.298 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

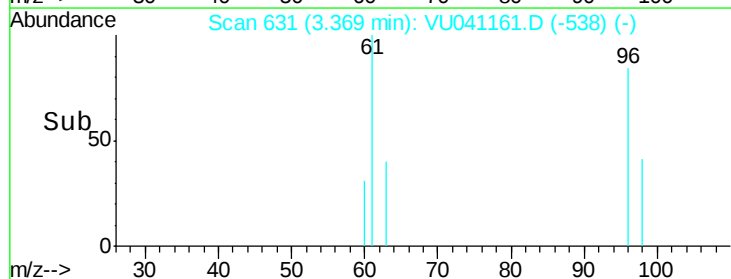
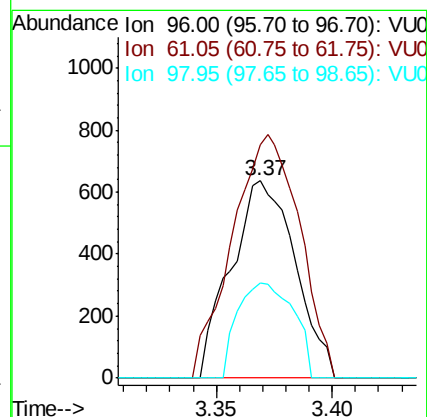
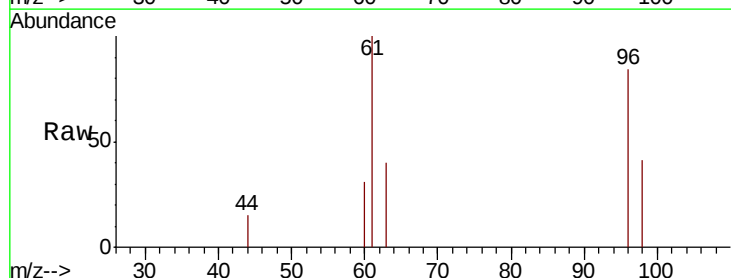
Tgt Ion: 96 Resp: 1226

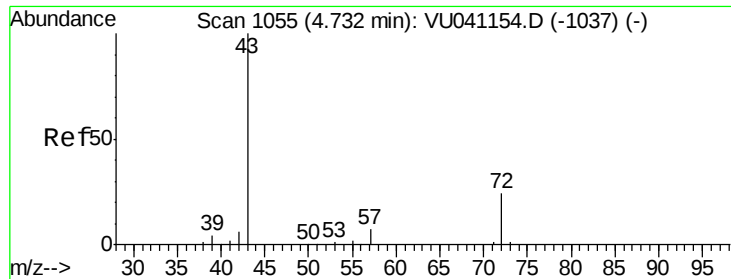
Ion Ratio Lower Upper

96 100

61 118.7 110.9 205.9

98 48.3 45.4 84.2





#21

2-Butanone

Concen: 11.396 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

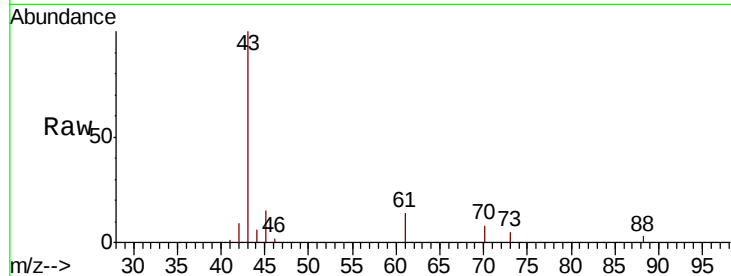
GB0T3

Tot Ion: 43 Resp: 19305

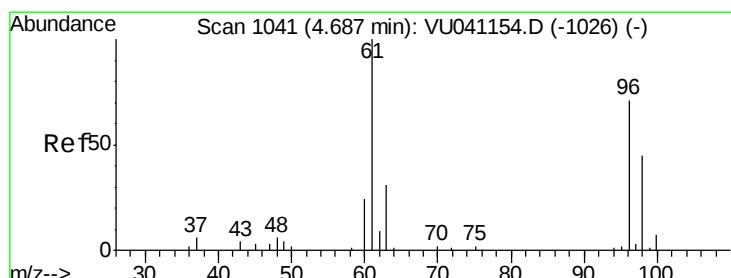
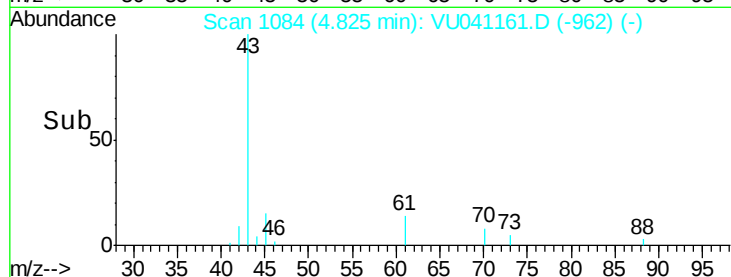
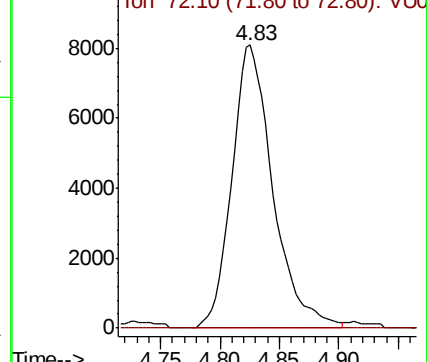
Ion Ratio Lower Upper

43 100

72 1.6 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041161.D (-962) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.956 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

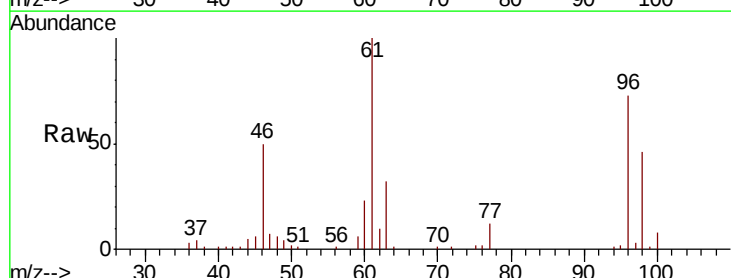
Tgt Ion: 96 Resp: 29514

Ion Ratio Lower Upper

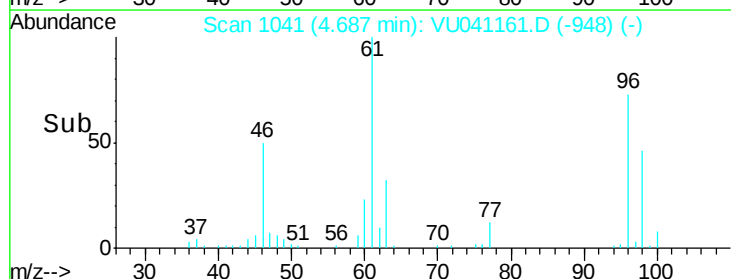
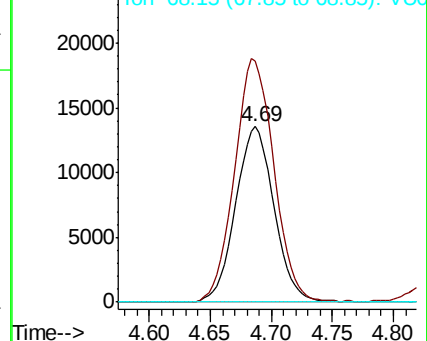
96 100

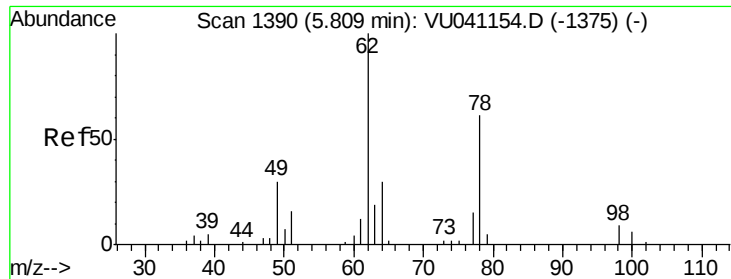
61 137.0 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041161.D (-948) (-)

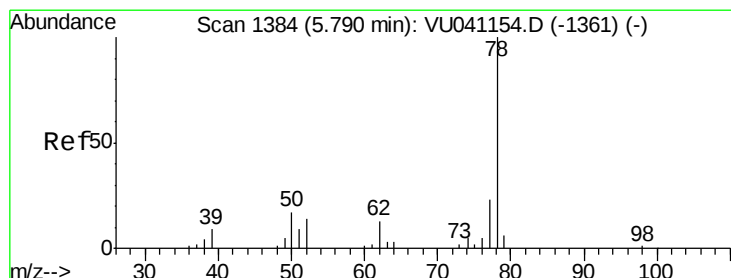
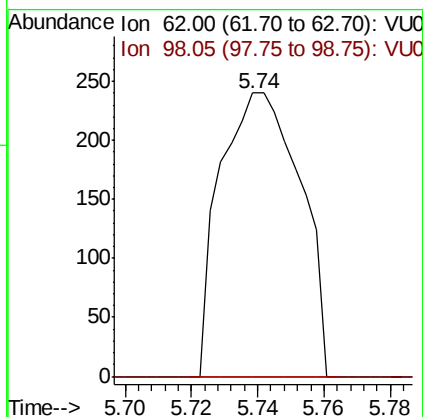
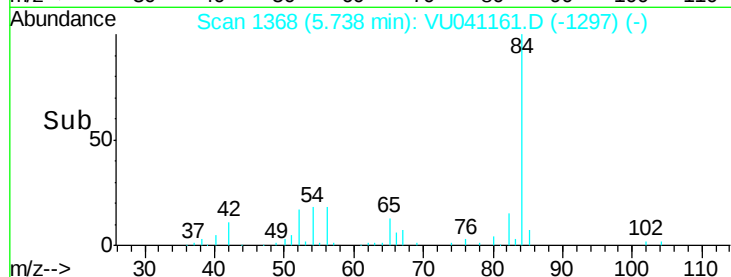
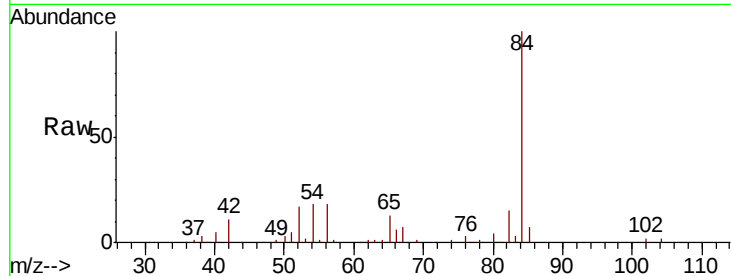




#27
 1,2-Dichloroethane
 Concen: 0.066 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

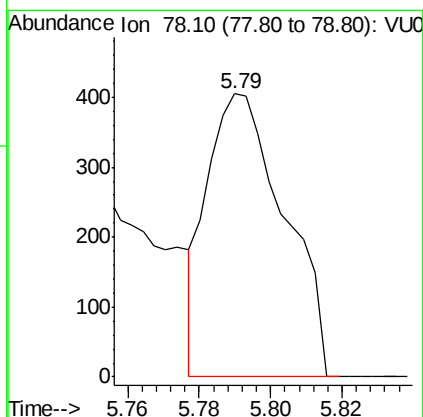
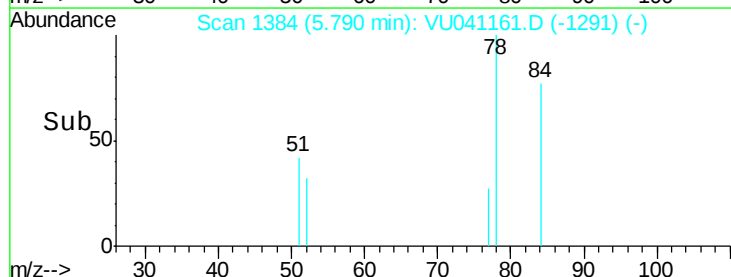
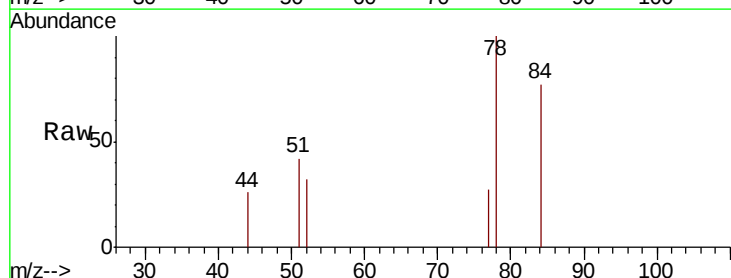
Instrument :
 MSVOA_U
 ClientSampled :
 GB0T3

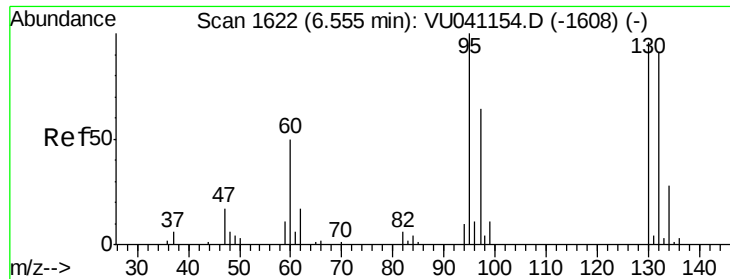
Tot Ion: 62 Resp: 404
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.034 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Tgt Ion: 78 Resp: 606

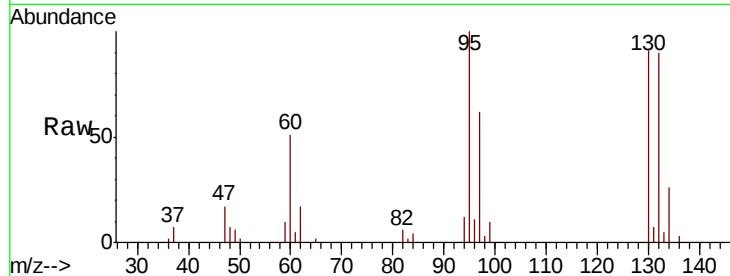




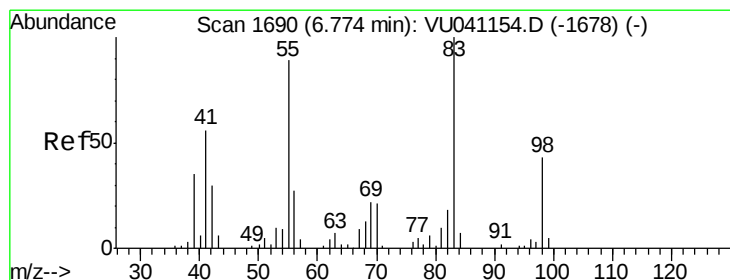
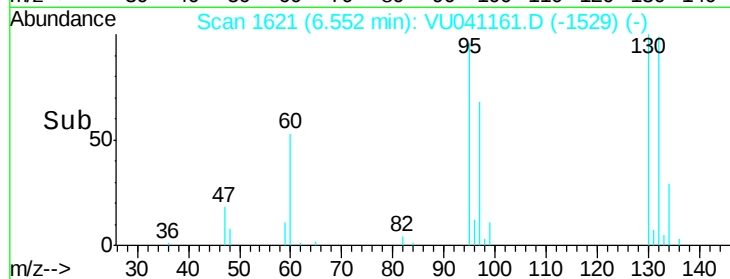
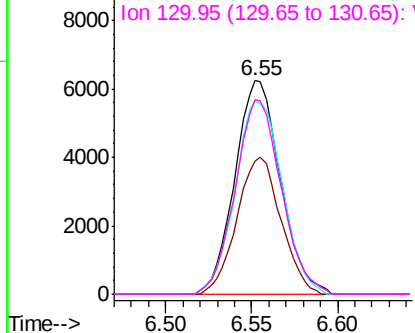
#34
 Trichloroethene
 Concen: 2.549 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

Tot Ion: 95 Resp: 11542
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.6 84.6
 132 90.5 64.8 120.4
 130 91.0 64.8 120.4

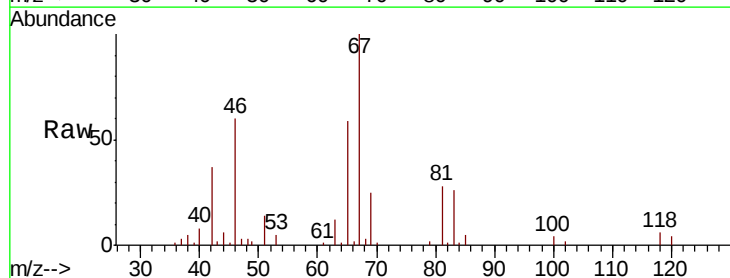


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

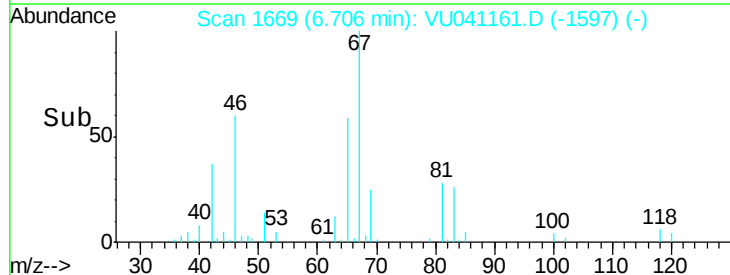
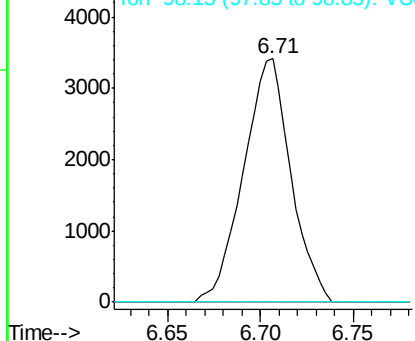


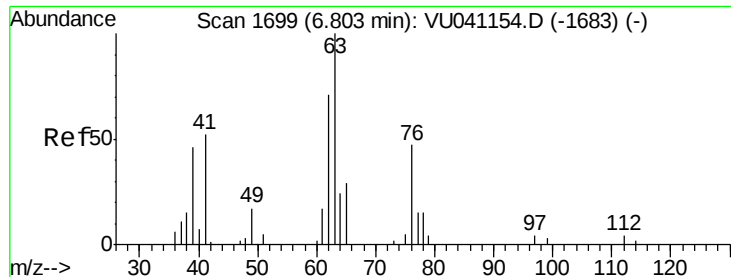
#35
 Methylcyclohexane
 Concen: 0.896 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Tgt Ion: 83 Resp: 6056
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 6.6 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

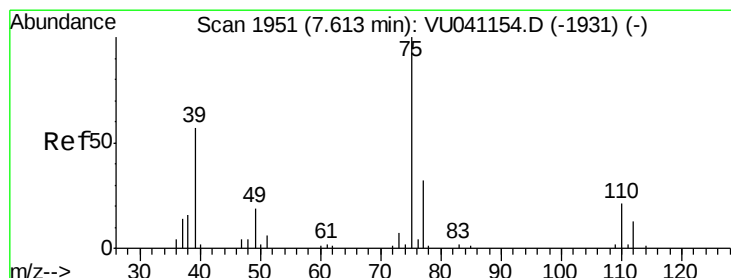
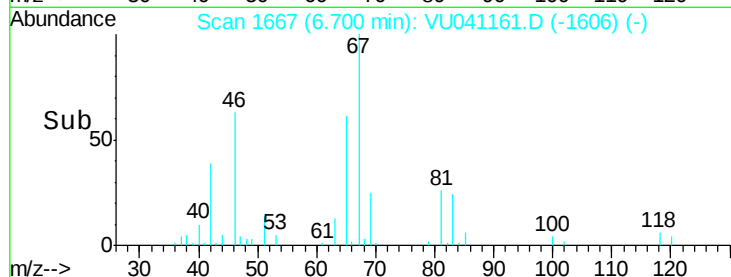
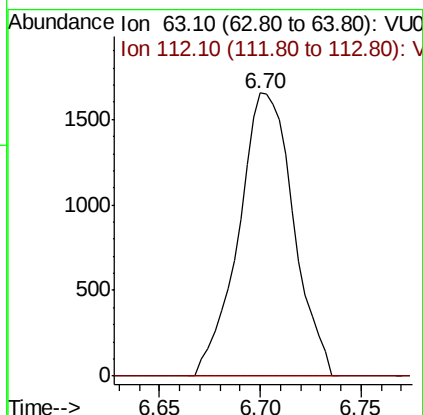
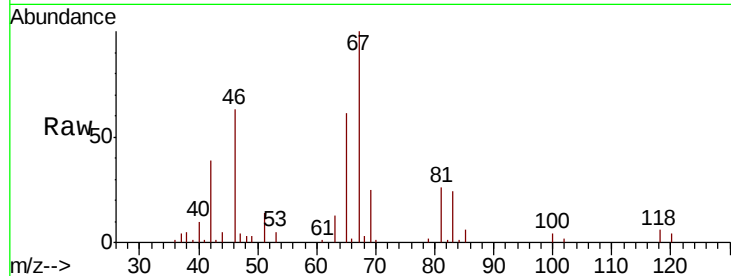




#37
 1,2-Dichloropropane
 Concen: 0.652 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

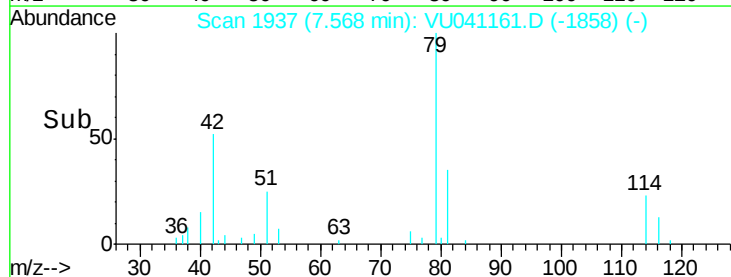
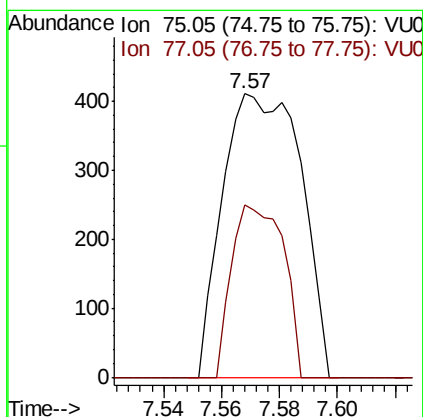
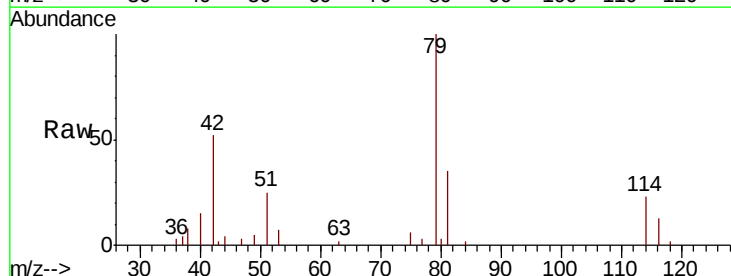
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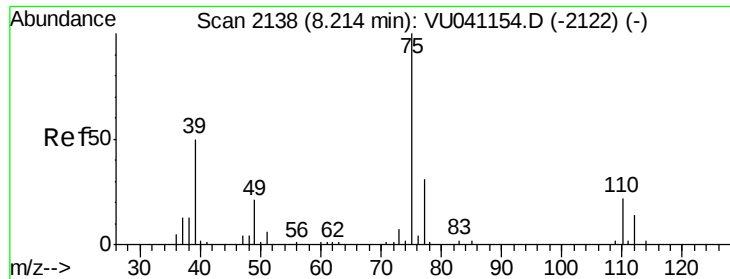
Tot Ion: 63 Resp: 3141
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Tgt Ion: 75 Resp: 772
 Ion Ratio Lower Upper
 75 100
 77 60.6 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

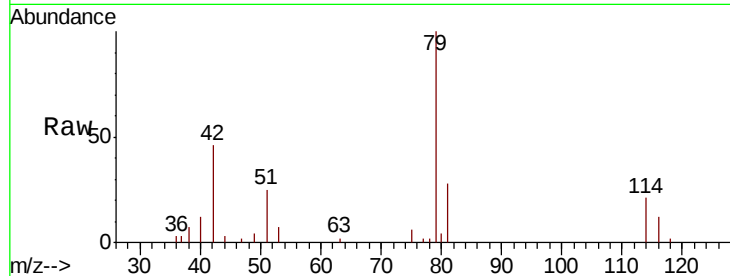
GB0T3

Tot Ion: 75 Resp: 504

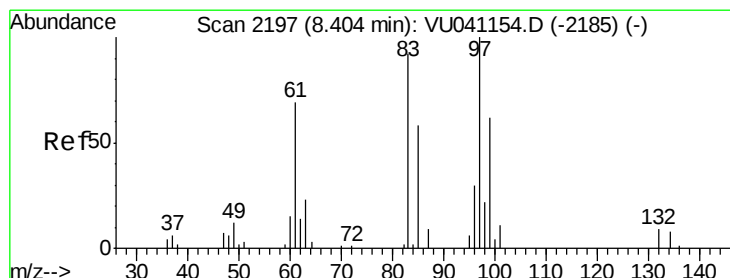
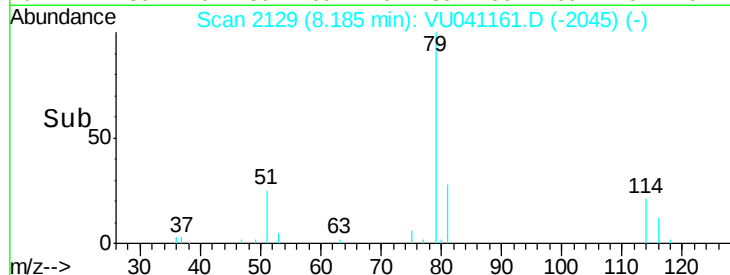
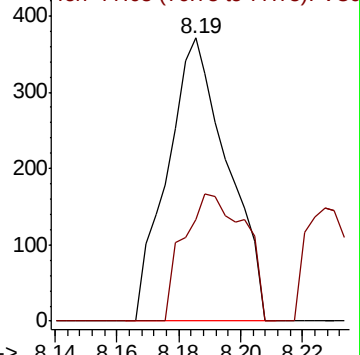
Ion Ratio Lower Upper

75 100

77 36.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041154.D (-2122) (-)



#45

1,1,2-Trichloroethane

Concen: 0.126 ug/L

RT: 8.49 min Scan# 2224

Delta R.T. 0.09 min

Lab File: VU041161.D

Acq: 09 Nov 2020 23:53

Tgt Ion: 97 Resp: 452

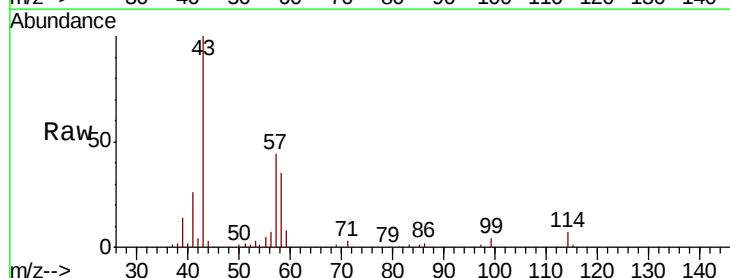
Ion Ratio Lower Upper

97 100

99 541.1 45.8 85.2#

83 130.3 67.9 126.1#

85 114.4 42.8 79.6#

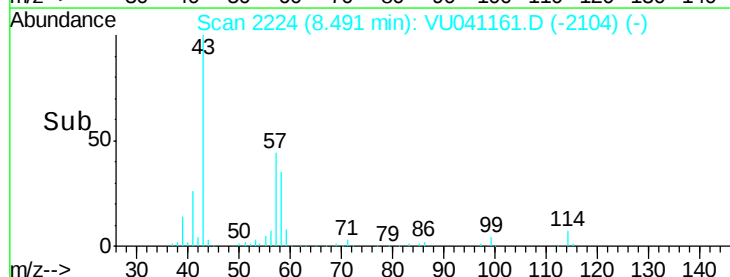
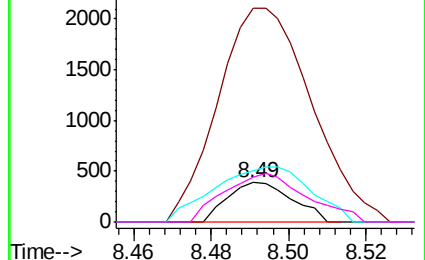


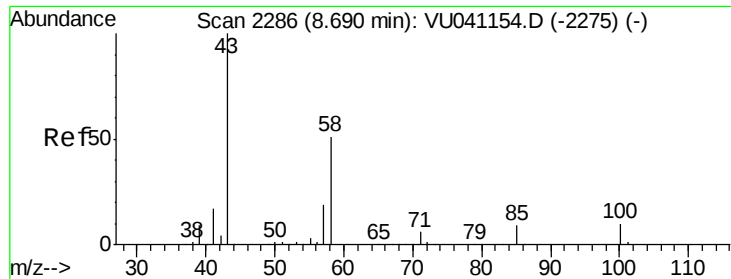
Abundance Ion 96.95 (96.65 to 97.65): VU041154.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU041154.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU041154.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU041154.D (-2185) (-)

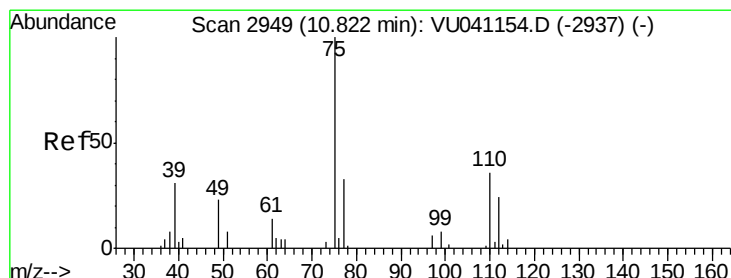
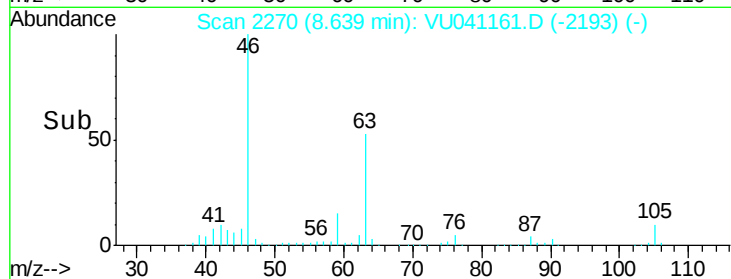
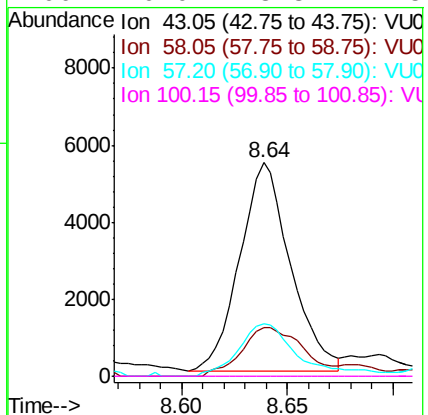
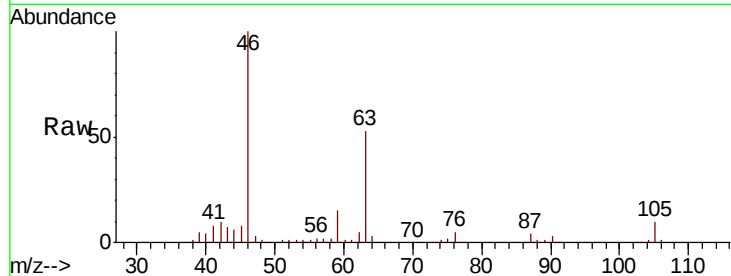




#48
 2-Hexanone
 Concen: 3.115 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Instrument :
 MSVOA_U
 ClientSampled :
 GB0T3

Tot Ion: 43 Resp: 9006
 Ion Ratio Lower Upper
 43 100
 58 28.5 41.4 62.2#
 57 30.1 14.6 21.8#
 100 0.0 8.3 12.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.971 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041161.D
 Acq: 09 Nov 2020 23:53

Tgt Ion: 75 Resp: 3483
 Ion Ratio Lower Upper
 75 100
 77 39.7 25.7 38.5#

