

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041189.D
 Acq On : 10 Nov 2020 19:57
 Operator : SY/MD
 Sample : L4646-20DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W4DL

Quant Time: Nov 11 00:54:29 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	54703	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54041	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23507	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	13946	3.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.60%
7) Chloroethane-d5	1.92	69	15850	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	22192	2.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.20%#
20) 2-Butanone-d5	4.65	46	78584	51.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.86%
24) Chloroform-d	5.08	84	44280	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.72	65	26505	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.74	84	73005	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.70	67	27975	5.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.80%
41) Toluene-d8	7.91	98	50017	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	8.19	79	8615	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.64	63	55017	50.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21631	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	22576	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	396	0.077 ug/L #	42
16) Methylene chloride	3.06	84	906	0.201 ug/L	95
18) trans-1,2-Dichloroethene	3.37	96	505	0.129 ug/L	71
22) cis-1,2-Dichloroethene	4.69	96	40302	9.950 ug/L	100
25) Chloroform	5.11	83	1454	0.185 ug/L	89
27) 1,2-Dichloroethane	5.81	62	1906	0.325 ug/L #	74
33) Benzene	5.79	78	6234	0.386 ug/L	100
34) Trichloroethene	6.55	95	44814	10.905 ug/L	98
35) Methylcyclohexane	6.70	83	6653	1.085 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3312	0.758 ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	665	0.111 ug/L #	62
47) Tetrachloroethene	8.56	164	188	0.062 ug/L #	60
48) 2-Hexanone	8.64	43	8387	3.197 ug/L #	73
49) Dibromochloromethane	8.56	129	347	0.092 ug/L #	11
59) 1,2,3-Trichloropropane	11.80	75	3077	0.945 ug/L #	84

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

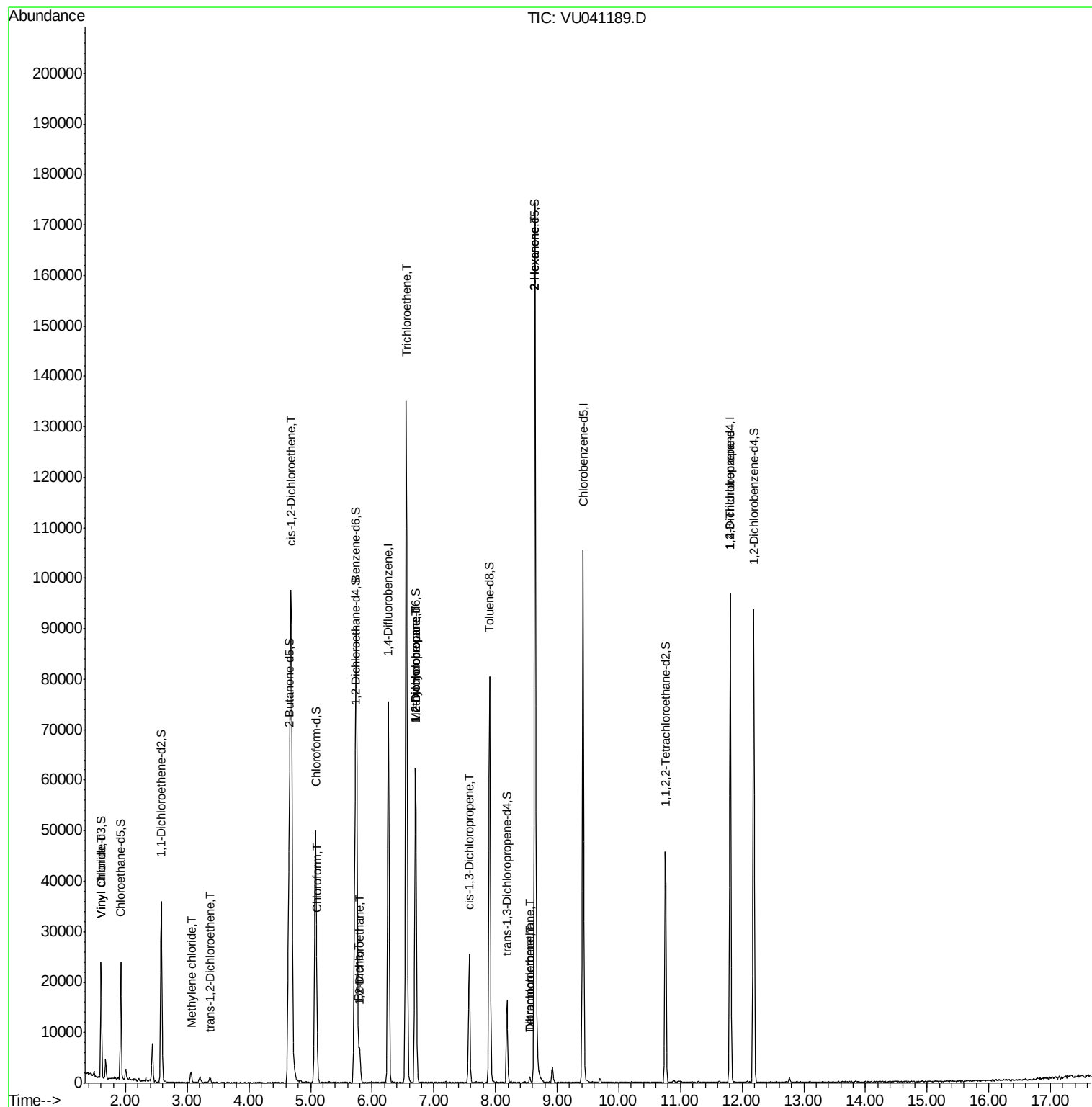
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

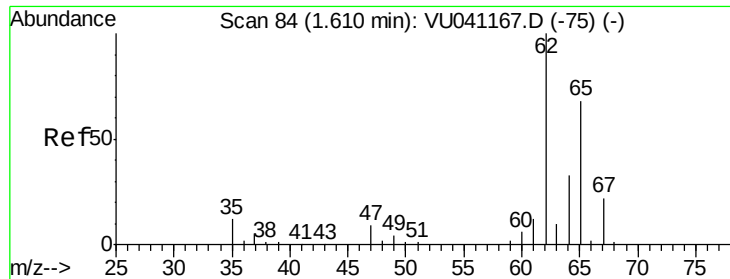
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.077 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Instrument :

MSVOA_U

ClientSampleID :

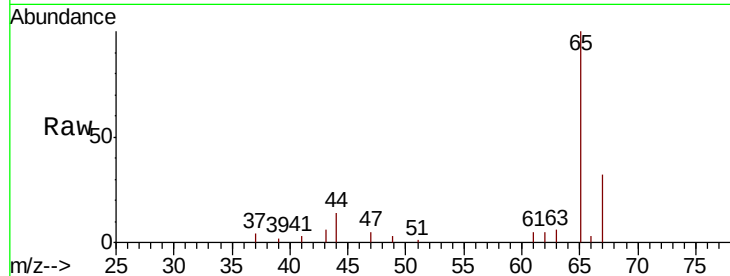
GB0W4DL

Tot Ion: 62 Resp: 396

Ion Ratio Lower Upper

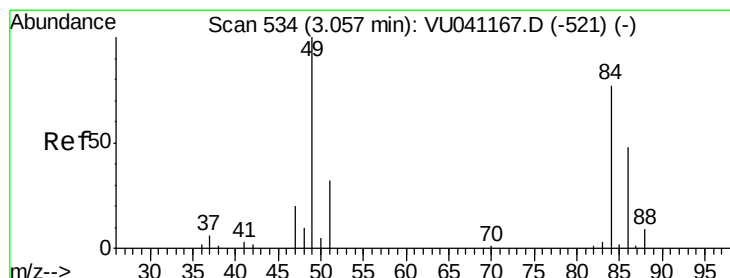
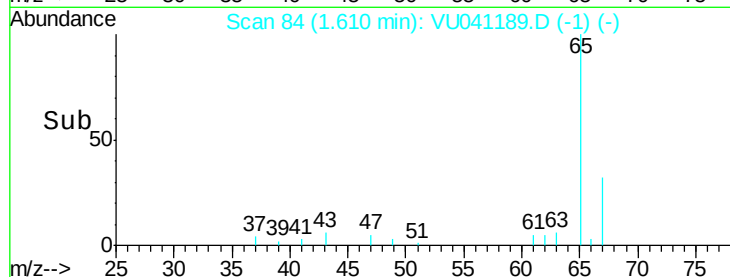
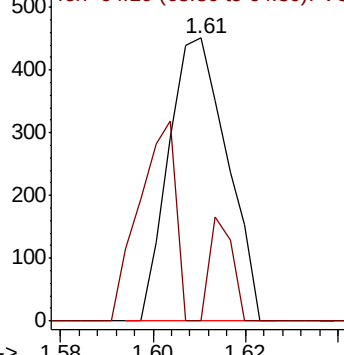
62 100

64 0.0 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#16

Methylene chloride

Concen: 0.201 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

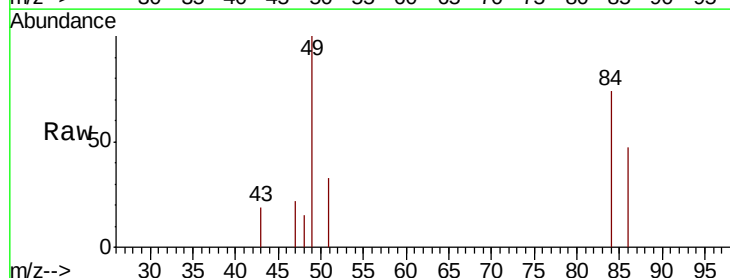
Tgt Ion: 84 Resp: 906

Ion Ratio Lower Upper

84 100

86 63.6 42.8 79.6

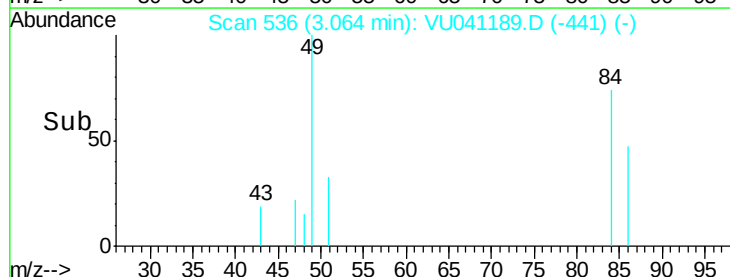
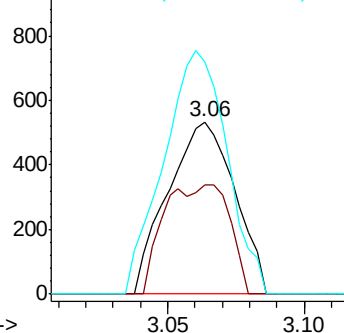
49 135.1 99.5 184.7

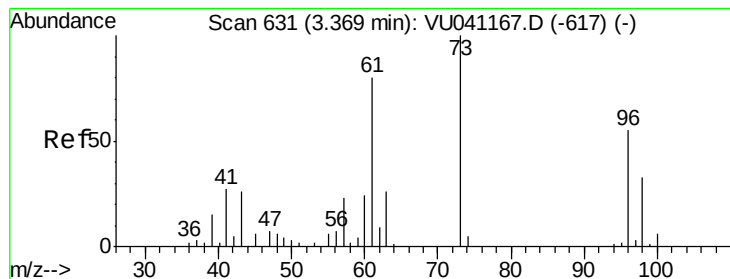


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Instrument :

MSVOA_U

ClientSampled :

GB0W4DL

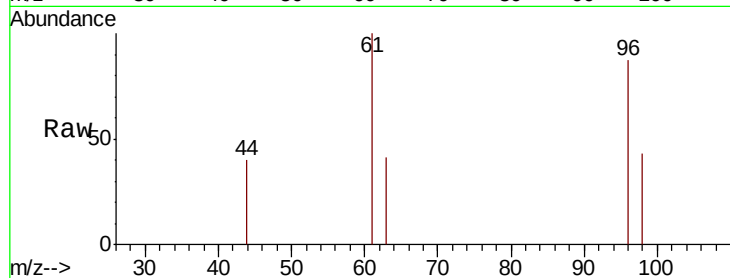
Tot Ion: 96 Resp: 505

Ion Ratio Lower Upper

96 100

61 115.1 110.9 205.9

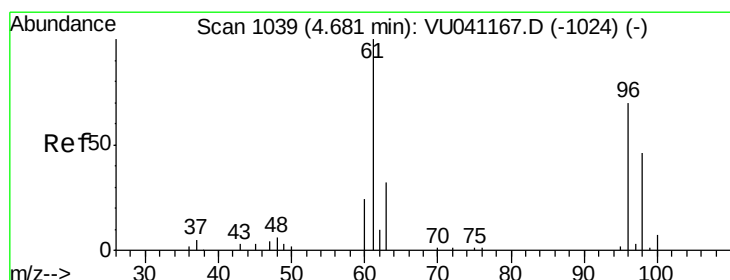
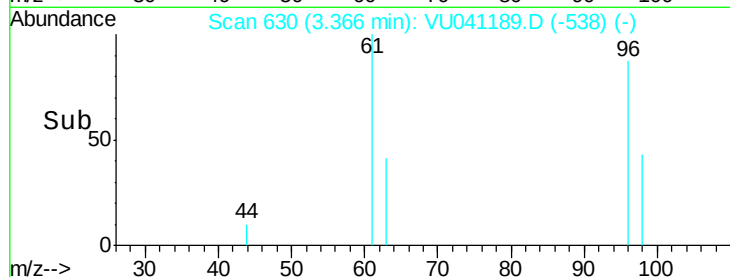
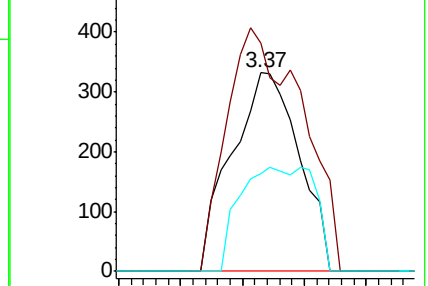
98 49.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041189.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU041189.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU041189.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.950 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

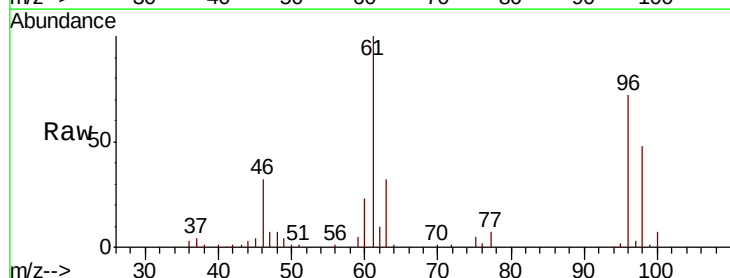
Tgt Ion: 96 Resp: 40302

Ion Ratio Lower Upper

96 100

61 139.4 97.2 180.4

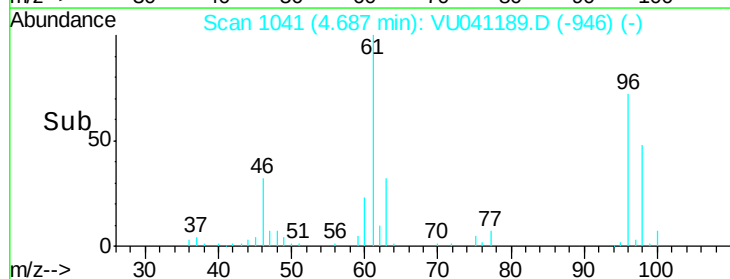
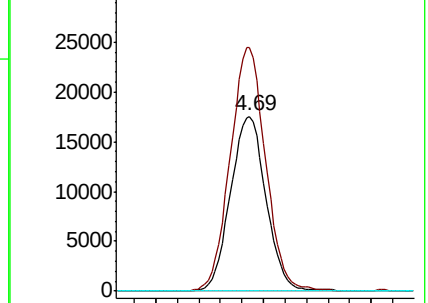
68 0.0 0.0 0.0

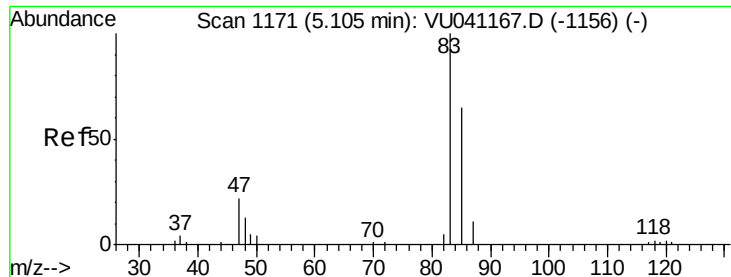


Abundance Ion 96.00 (95.70 to 96.70): VU041189.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041189.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041189.D (-946) (-)

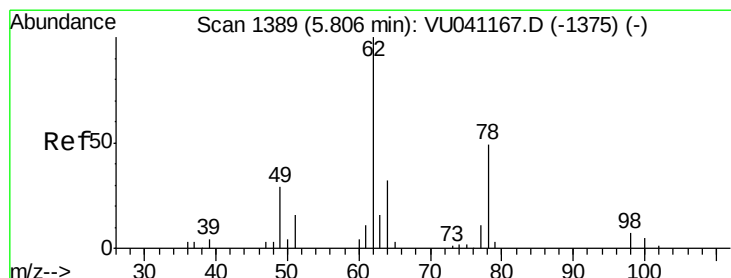
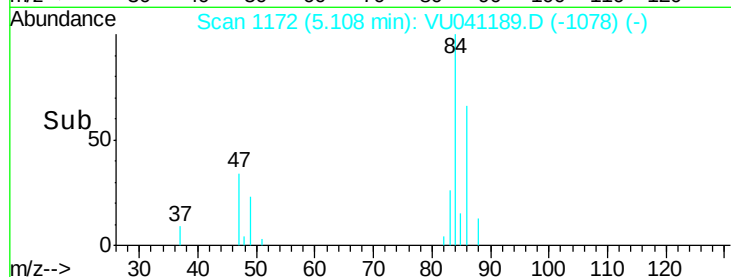
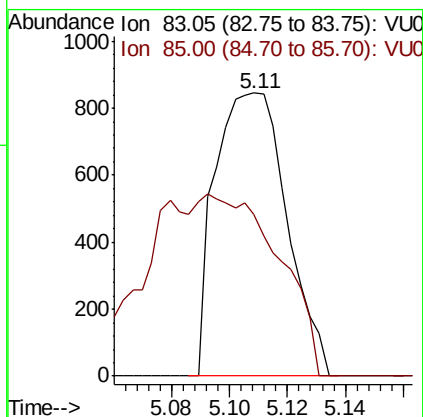
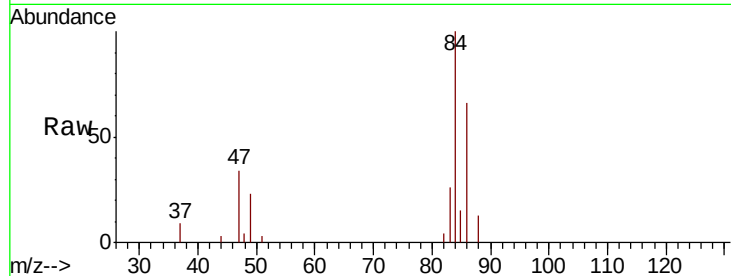




#25
Chloroform
Concen: 0.185 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

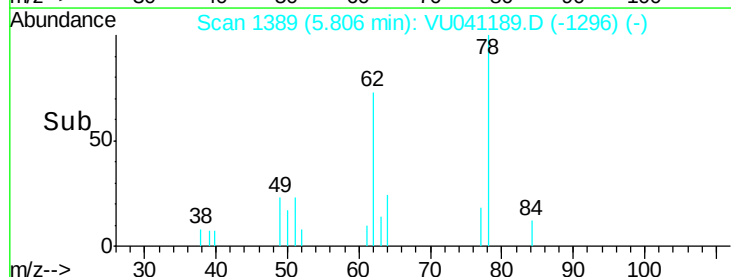
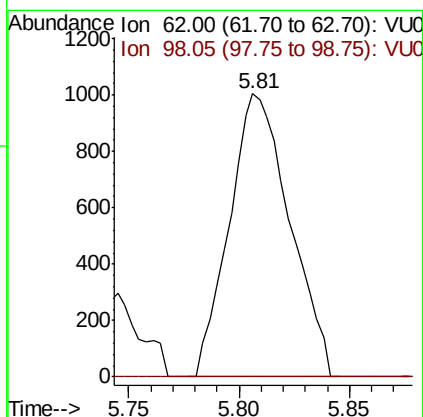
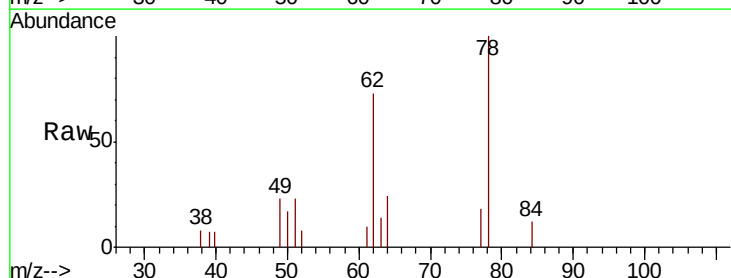
Instrument :
MSVOA_U
ClientSampleId :
GB0W4DL

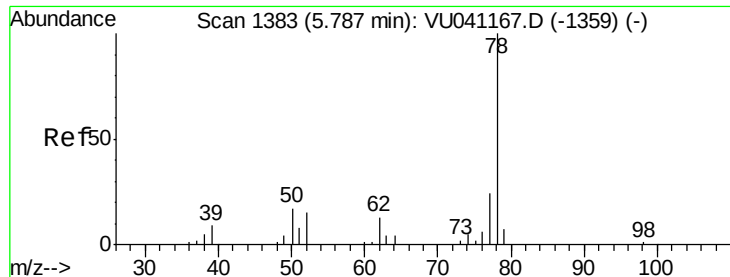
Tot Ion: 83 Resp: 1454
Ion Ratio Lower Upper
83 100
85 57.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.325 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

Tgt Ion: 62 Resp: 1906
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.386 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

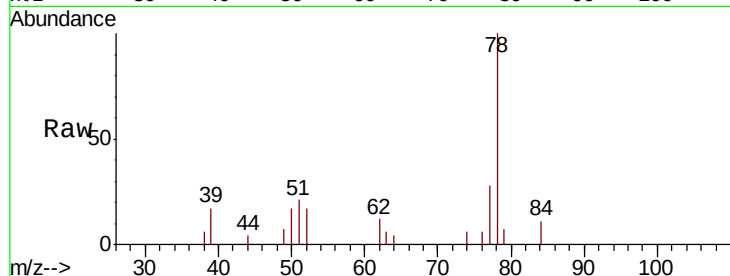
Instrument :

MSVOA_U

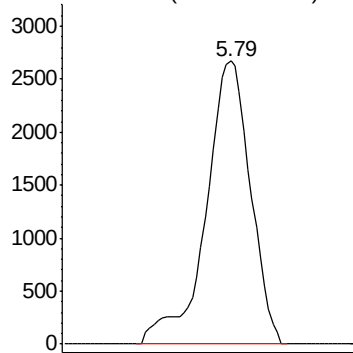
ClientSampled :

GB0W4DL

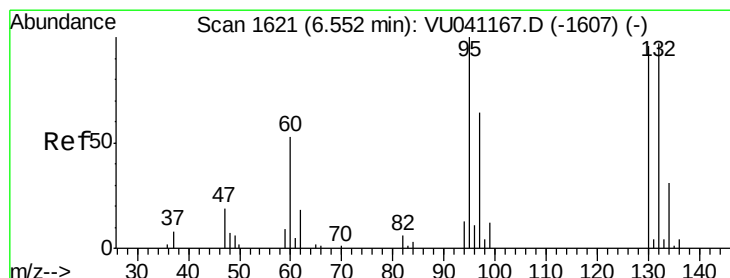
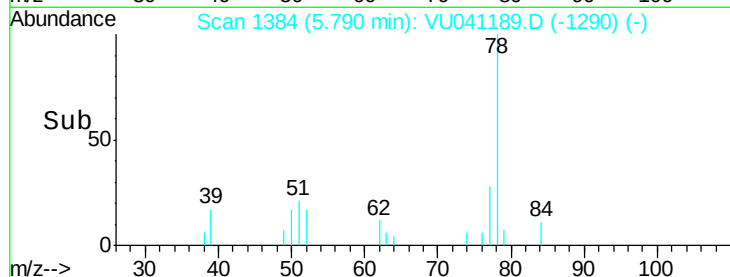
Tgt Ion: 78 Resp: 6234



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 10.905 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Tgt Ion: 95 Resp: 44814

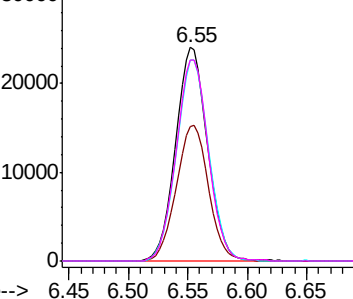
Ion	Ratio	Lower	Upper
95	100		
97	63.1	45.6	84.6
132	93.8	64.8	120.4
130	94.0	64.8	120.4

Abundance Ion 95.00 (94.70 to 95.70): VU0

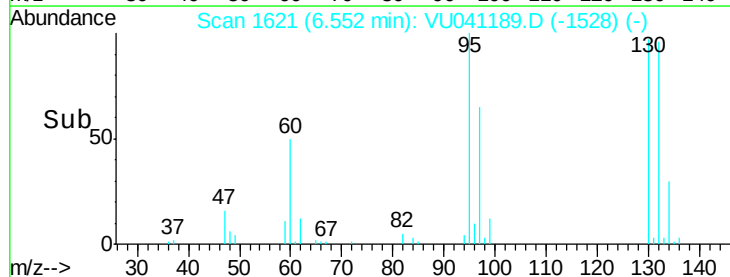
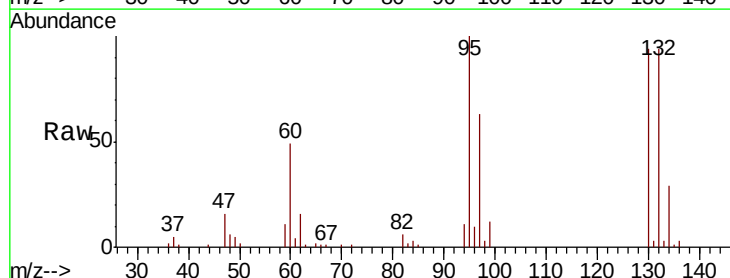
Ion 96.95 (96.65 to 97.65): VU0

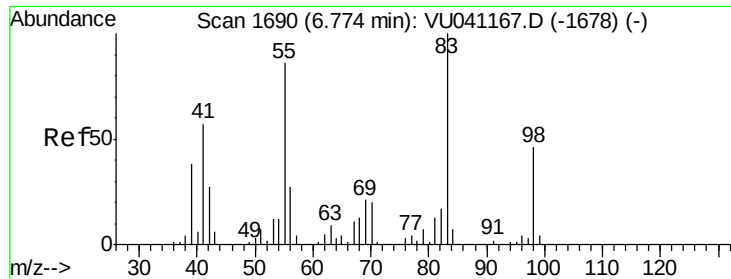
Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0



Time-->

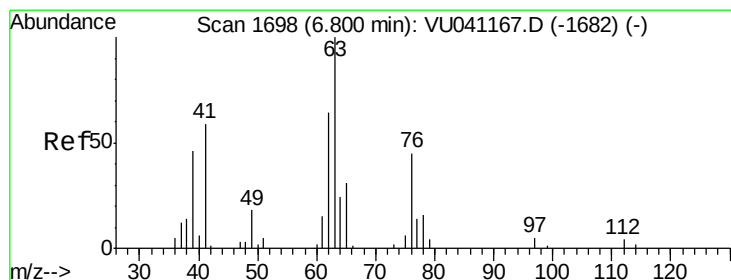
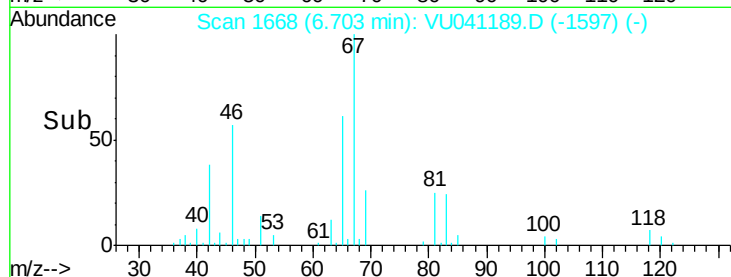
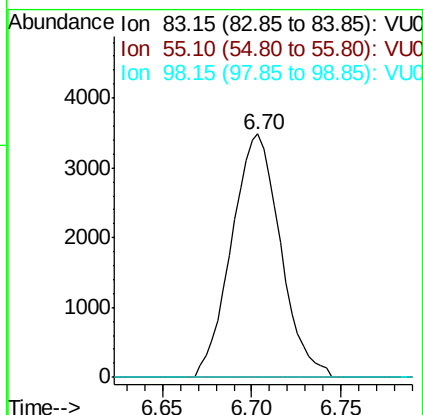
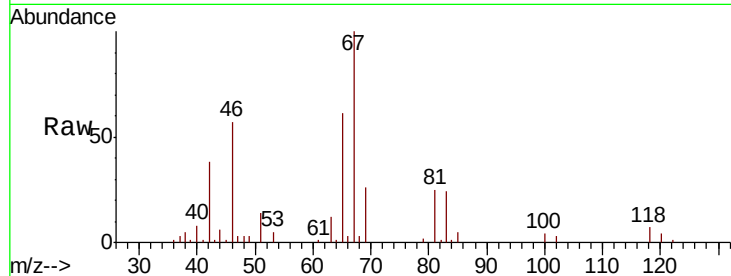




#35
Methylcyclohexane
Concen: 1.085 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

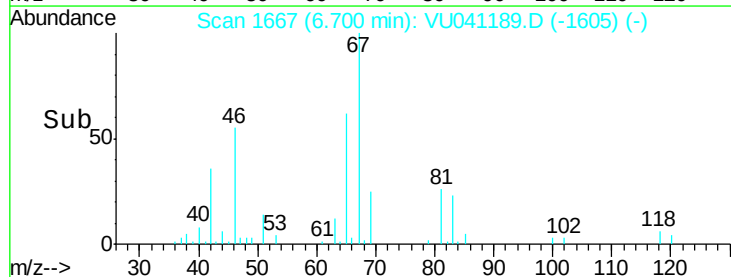
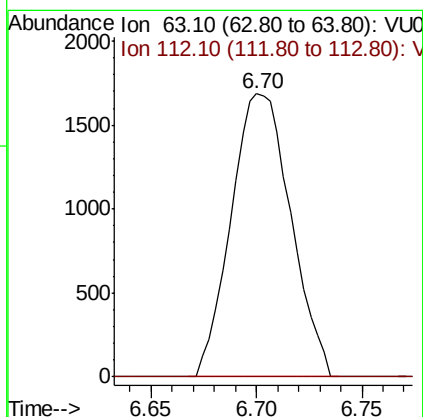
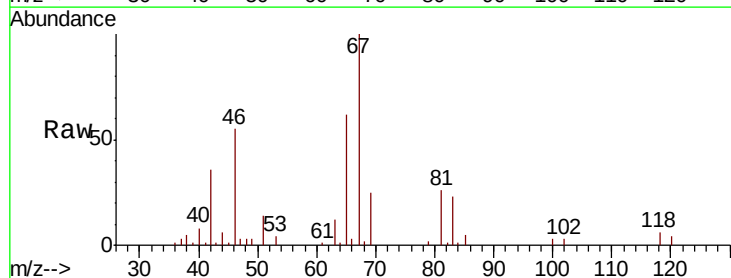
Instrument :
MSVOA_U
ClientSampleId :
GB0W4DL

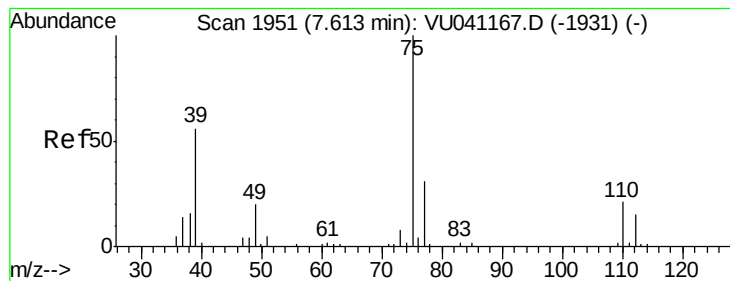
Tot Ion: 83 Resp: 6653
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.758 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

Tgt Ion: 63 Resp: 3312
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Instrument :

MSVOA_U

ClientSampleId :

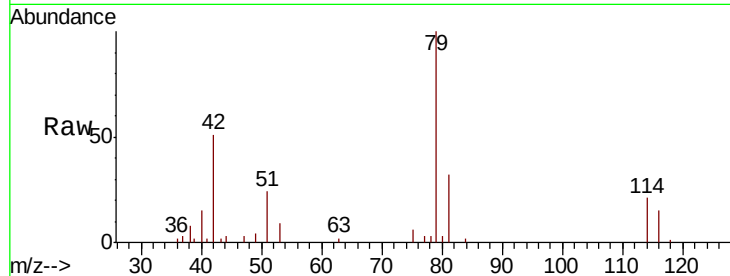
GB0W4DL

Tot Ion: 75 Resp: 665

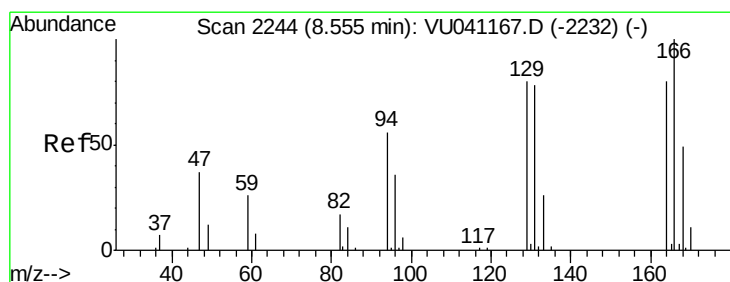
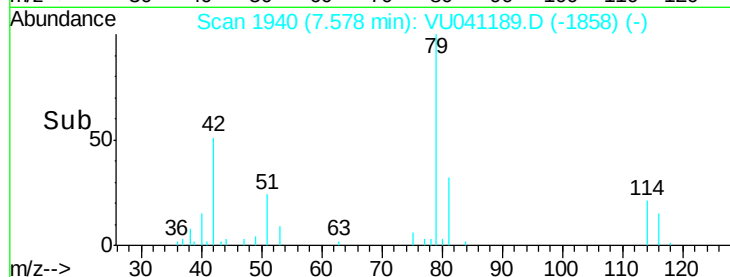
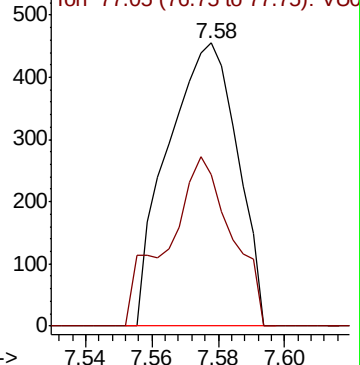
Ion Ratio Lower Upper

75 100

77 53.6 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041189.D (-1858) (-)



#47

Tetrachloroethene

Concen: 0.062 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Tgt Ion:164 Resp: 188

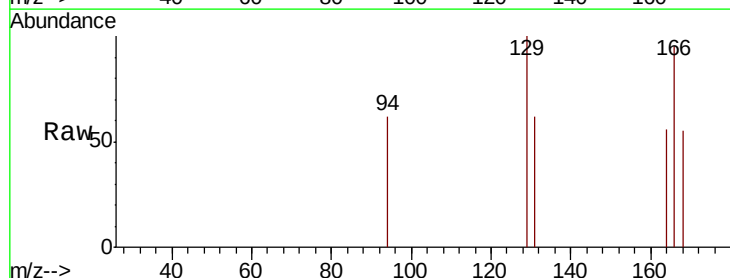
Ion Ratio Lower Upper

164 100

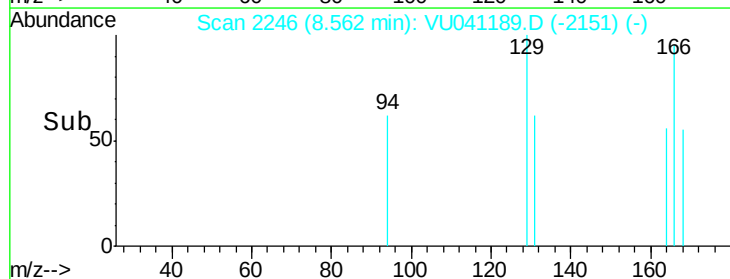
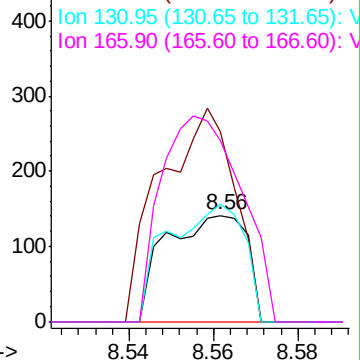
129 180.1 70.3 130.7#

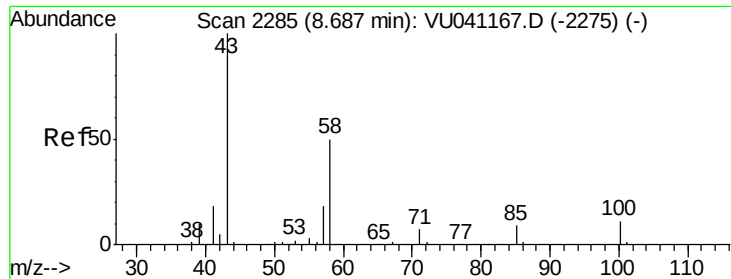
131 111.3 70.8 131.4

166 170.9 92.0 170.8#



Abundance Ion 163.90 (163.60 to 164.60): VU041189.D (-2151) (-)

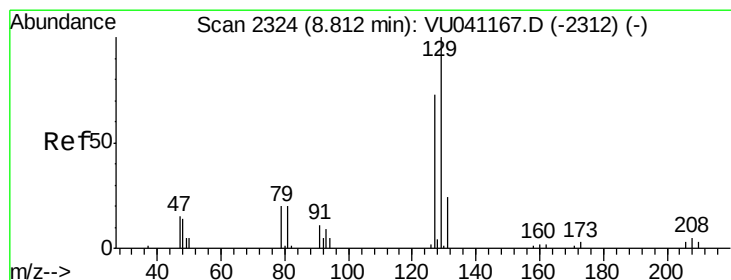
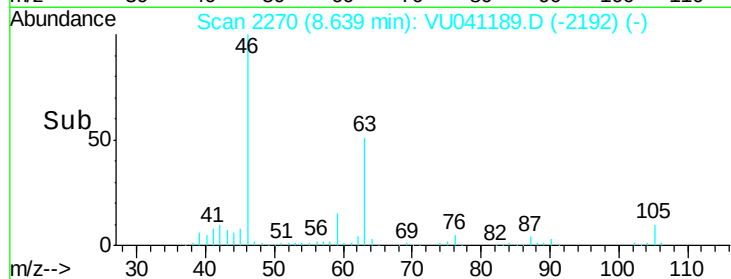
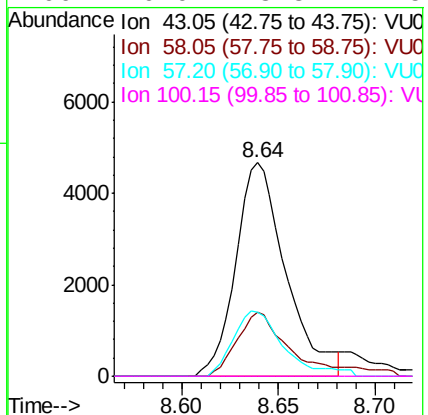
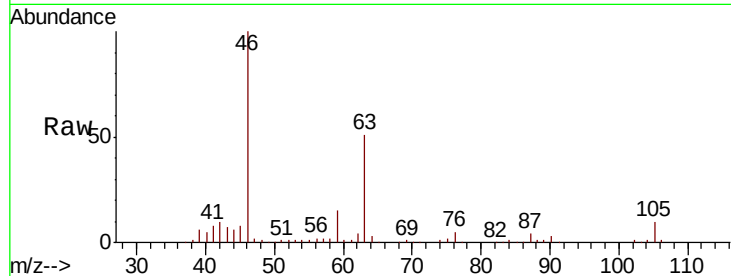




#48
2-Hexanone
Concen: 3.197 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

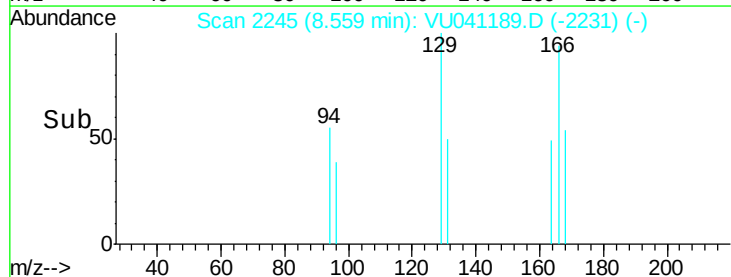
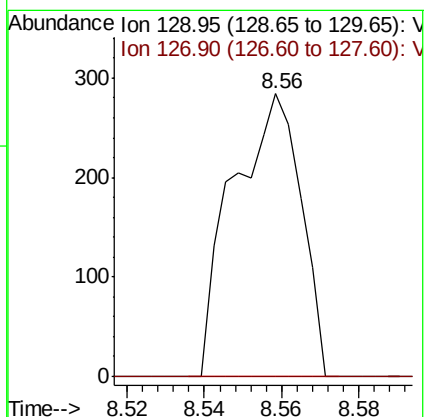
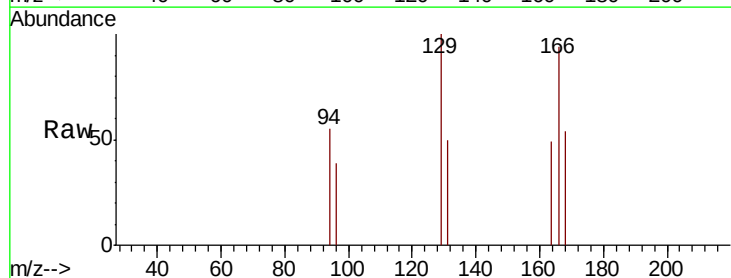
Instrument :
MSVOA_U
ClientSampleId :
GB0W4DL

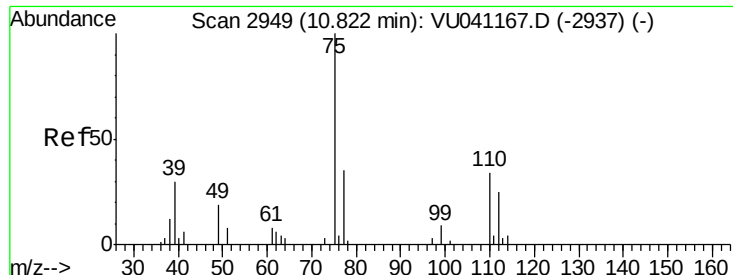
Tot Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
58 33.3 41.4 62.2#
57 30.9 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.092 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041189.D
Acq: 10 Nov 2020 19:57

Tgt Ion: 129 Resp: 347
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU041189.D

Acq: 10 Nov 2020 19:57

Instrument :

MSVOA_U

ClientSampleId :

GB0W4DL

Tot Ion: 75 Resp: 3077

Ion Ratio Lower Upper

75 100

77 41.0 25.7 38.5#

