

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041649.D
 Acq On : 15 Dec 2020 20:18
 Operator : SY/MD
 Sample : L5029-02DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K2DL

Quant Time: Dec 16 04:37:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 04:34:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112640	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110231	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48262	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27264	3.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.00%
7) Chloroethane-d5	1.92	69	31010	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	47432	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.67	46	138781	54.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.72%
24) Chloroform-d	5.08	84	70799	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	43994	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.74	84	136287	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	44657	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	116484	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.19	79	18490	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	107759	44.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45789	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45773	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

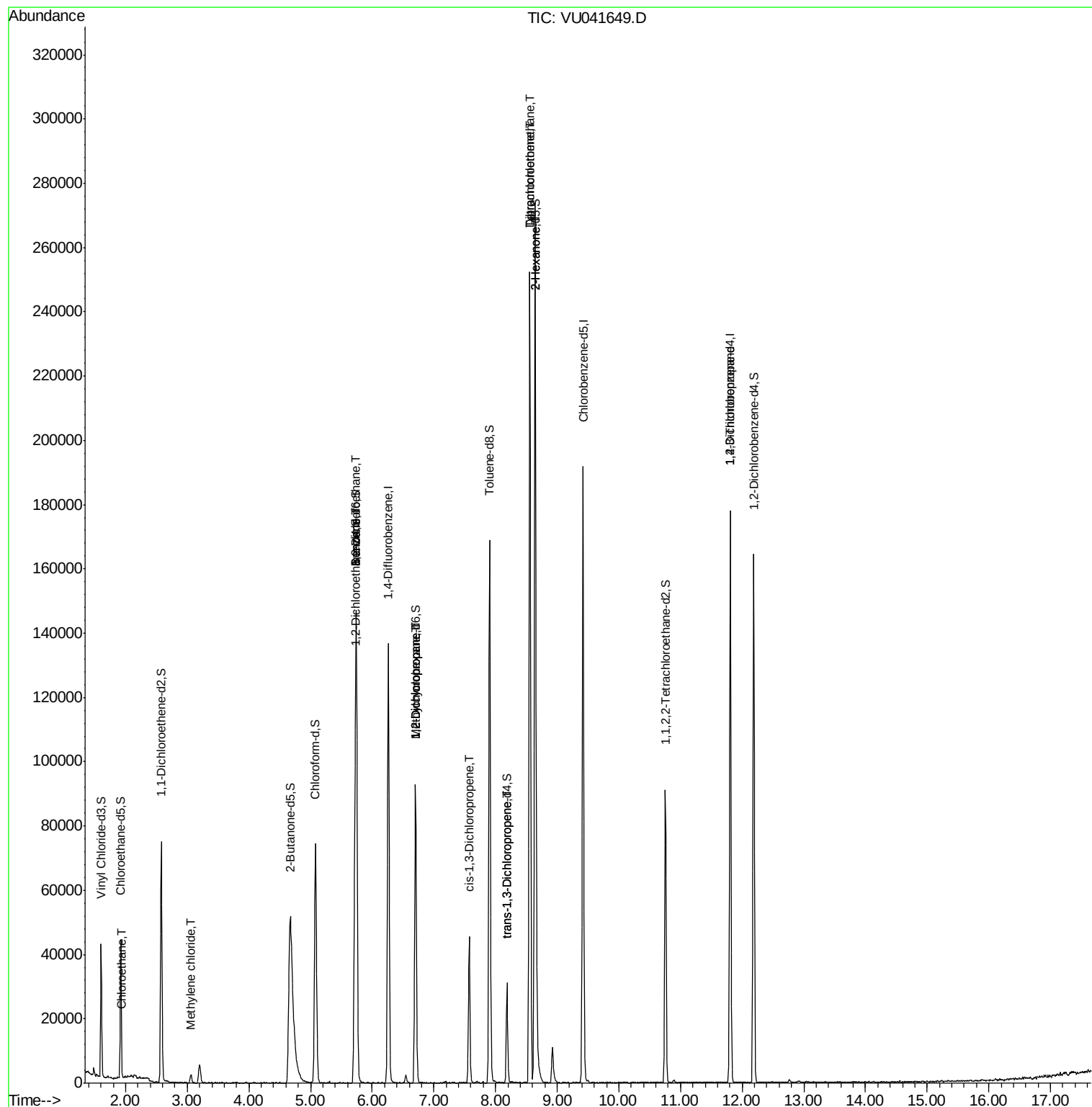
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	280	0.040	ug/L #	44
16) Methylene chloride	3.06	84	1360	0.149	ug/L	92
27) 1,2-Dichloroethane	5.74	62	686	0.068	ug/L #	73
33) Benzene	5.74	78	1202	0.034	ug/L	100
35) Methylcyclohexane	6.70	83	10480	0.732	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	4925	0.546	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1108	0.083	ug/L	92
44) trans-1,3-Dichloropropene	8.18	75	588	0.049	ug/L #	56
47) Tetrachloroethene	8.56	164	58684	9.463	ug/L	91
48) 2-Hexanone	8.64	43	12064	2.583	ug/L #	65
49) Dibromochloromethane	8.56	129	53999	7.050	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5228	0.772	ug/L	99

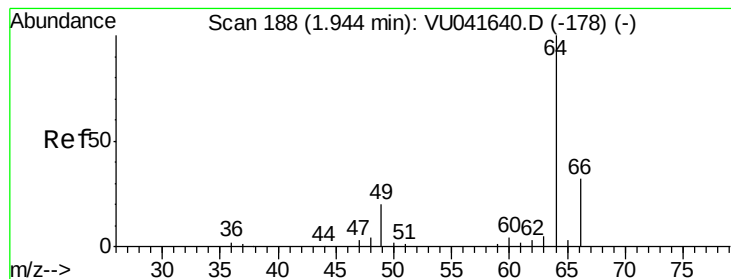
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 04:34:43 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.040 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU041649.D

Acq: 15 Dec 2020 20:18

Instrument :

MSVOA_U

ClientSampleId :

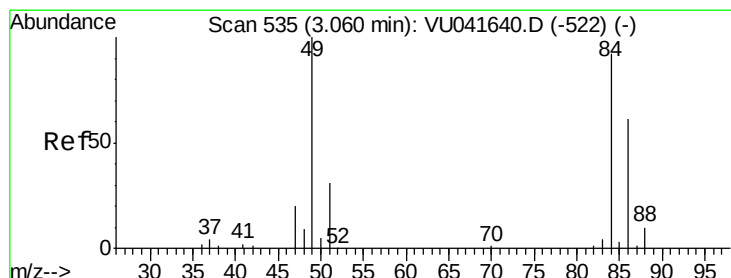
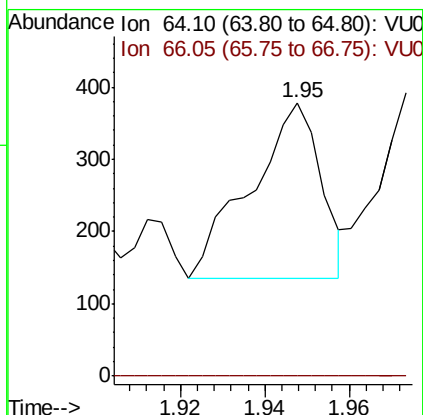
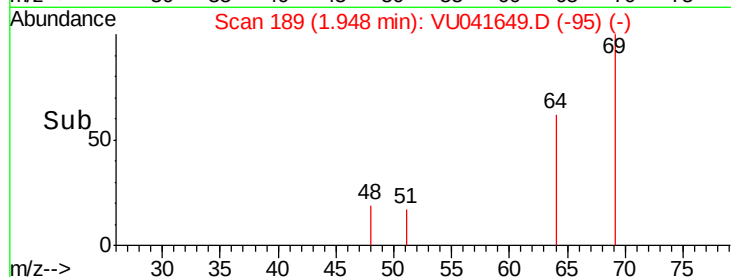
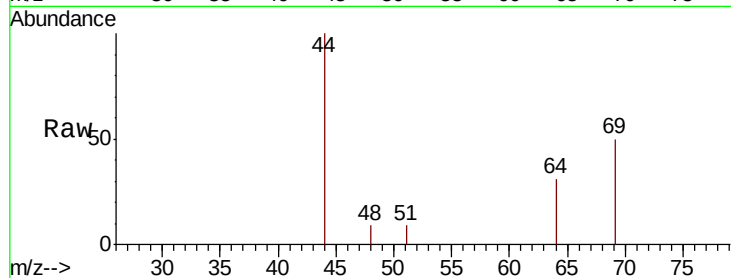
GB1K2DL

Tot Ion: 64 Resp: 280

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



#16

Methylene chloride

Concen: 0.149 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041649.D

Acq: 15 Dec 2020 20:18

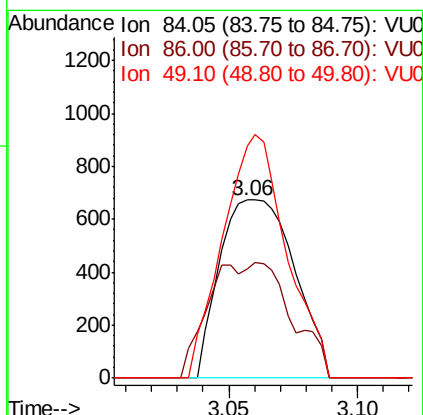
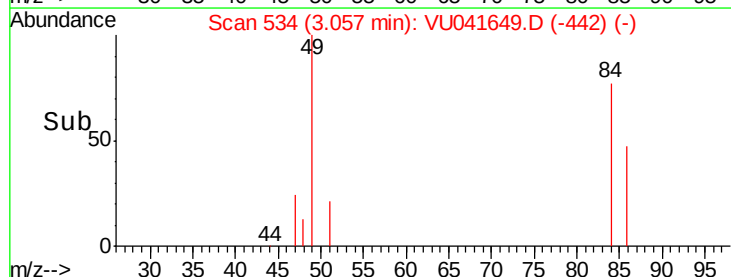
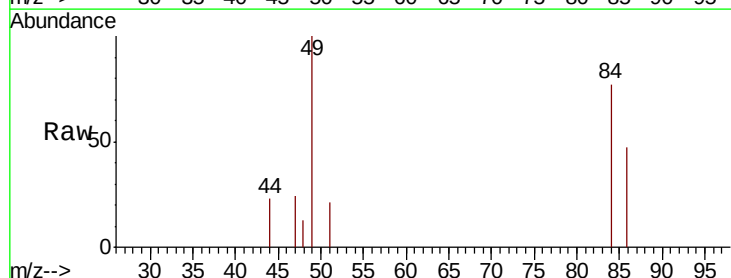
Tgt Ion: 84 Resp: 1360

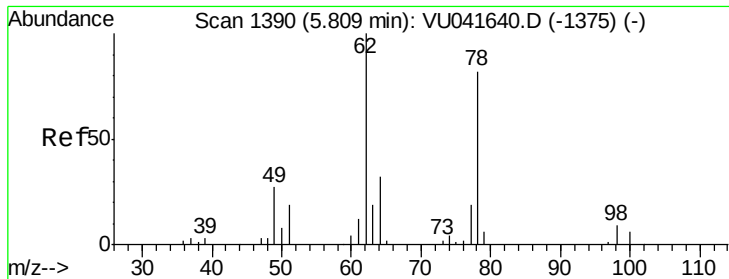
Ion Ratio Lower Upper

84 100

86 61.3 45.1 83.7

49 130.5 83.1 154.3

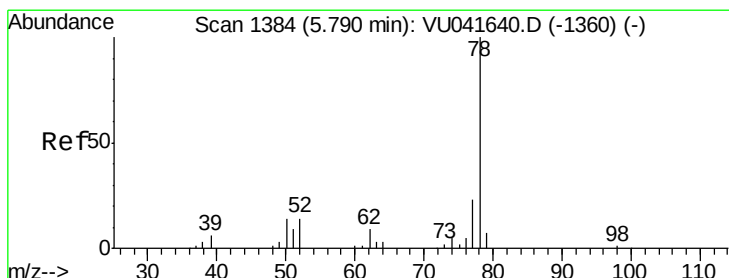
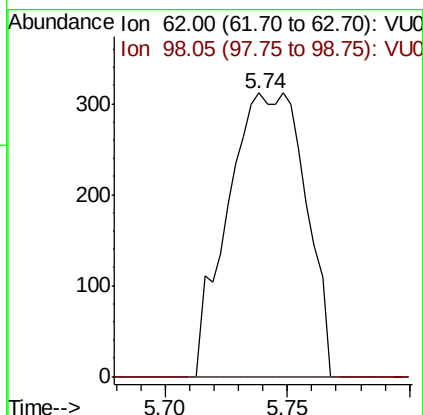
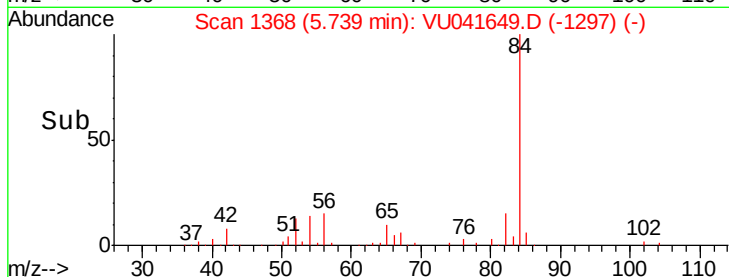
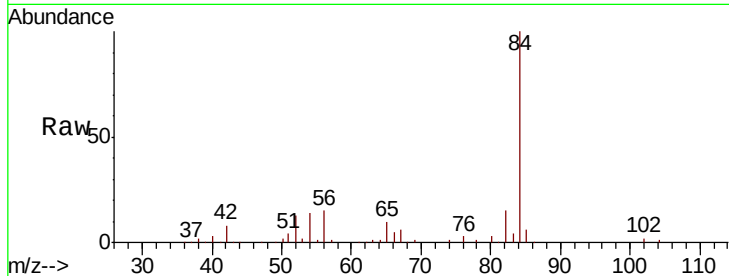




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

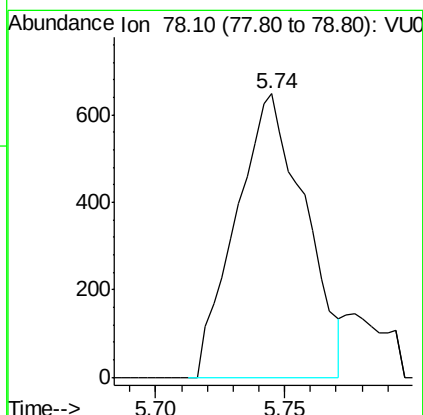
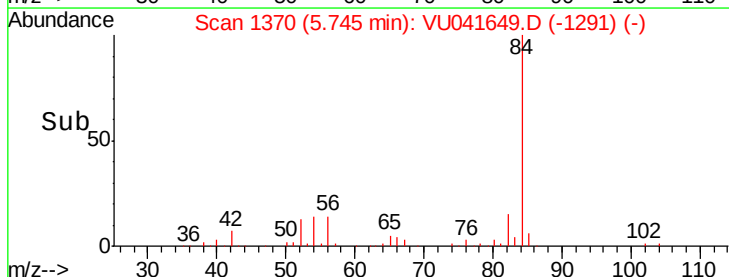
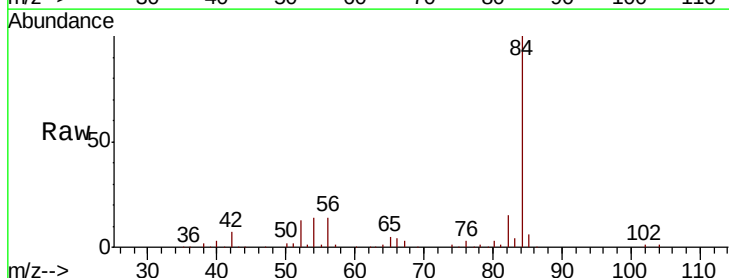
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K2DL

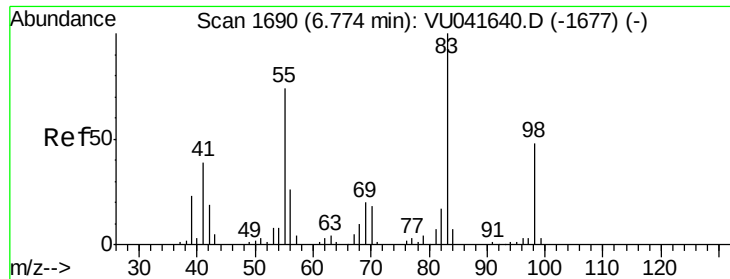
Tot Ion: 62 Resp: 686
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#33
 Benzene
 Concen: 0.034 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

Tgt Ion: 78 Resp: 1202

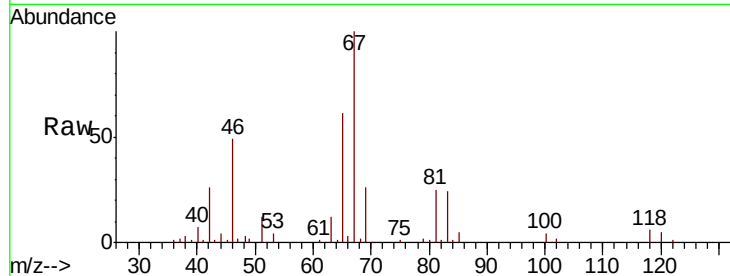




#35
Methylcyclohexane
Concen: 0.732 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041649.D
Acq: 15 Dec 2020 20:18

Instrument :
MSVOA_U
ClientSampleId :
GB1K2DL

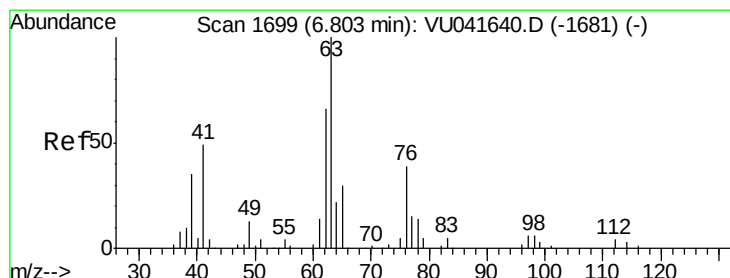
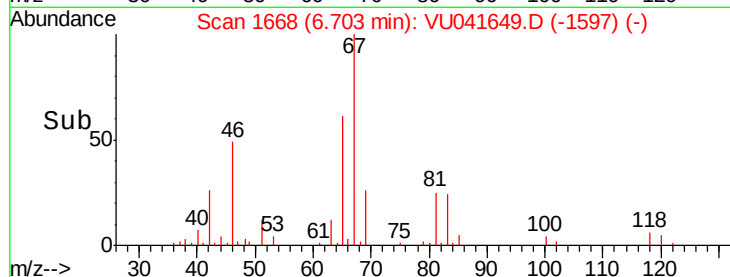
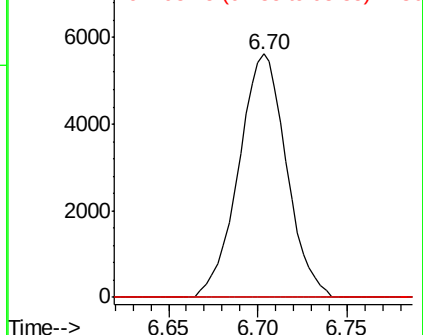
Tot Ion	83	Resp	10480
Ion Ratio	100		
Lower	61.2		
Upper	91.8#		
55	0.0		
98	2.9		
	36.6		
	54.8#		



Abundance Ion 83.15 (82.85 to 83.85): VU041649.D (-1668) (-)

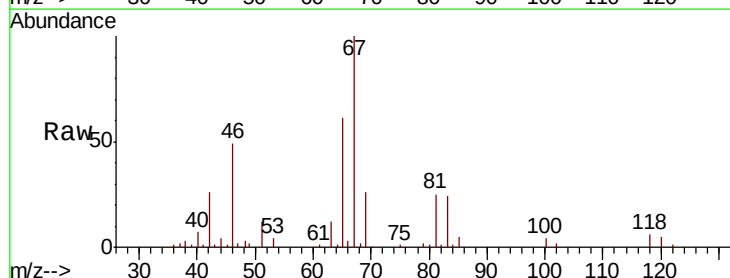
Ion 55.10 (54.80 to 55.80): VU041649.D (-1668) (-)

Ion 98.15 (97.85 to 98.85): VU041649.D (-1668) (-)



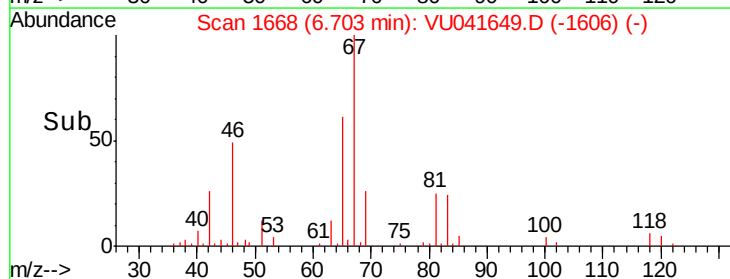
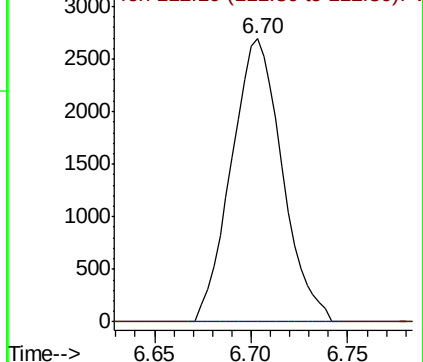
#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041649.D
Acq: 15 Dec 2020 20:18

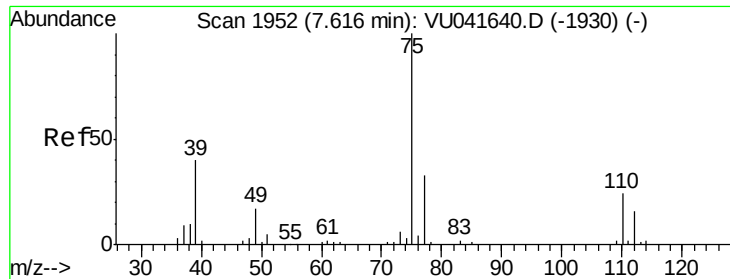
Tgt Ion	63	Resp	4925
Ion Ratio	100		
Lower	3.1		
Upper	4.7#		
112	0.0		



Abundance Ion 63.10 (62.80 to 63.80): VU041649.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU041649.D (-1668) (-)



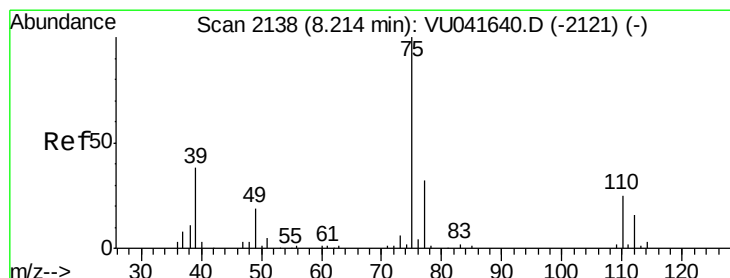
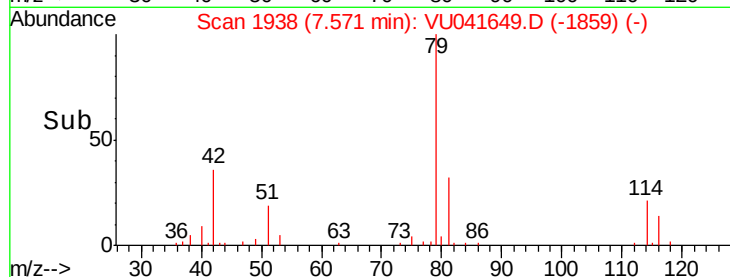
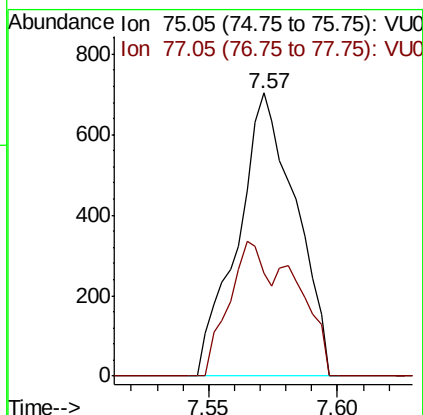
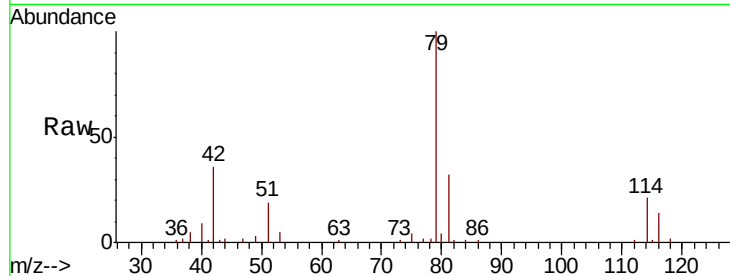


#39

cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K2DL

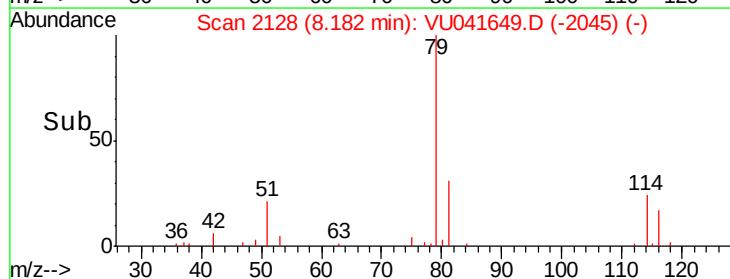
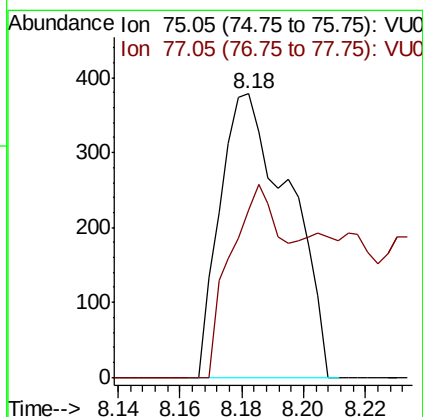
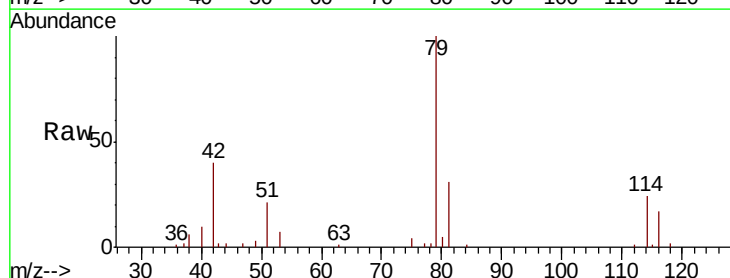
Tot Ion: 75 Resp: 1108
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.3 41.3

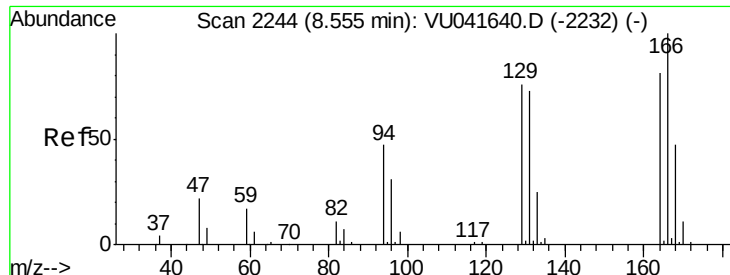


#44

trans-1,3-Dichloropropene
 Concen: 0.049 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

Tgt Ion: 75 Resp: 588
 Ion Ratio Lower Upper
 75 100
 77 59.3 23.8 44.2#





#47

Tetrachloroethene

Concen: 9.463 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041649.D

Acq: 15 Dec 2020 20:18

Instrument :

MSVOA_U

ClientSampleId :

GB1K2DL

Tot Ion:164 Resp: 58684

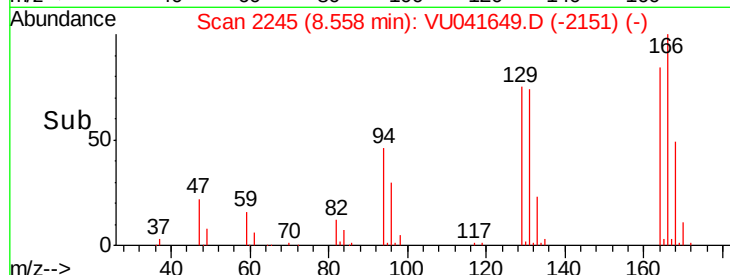
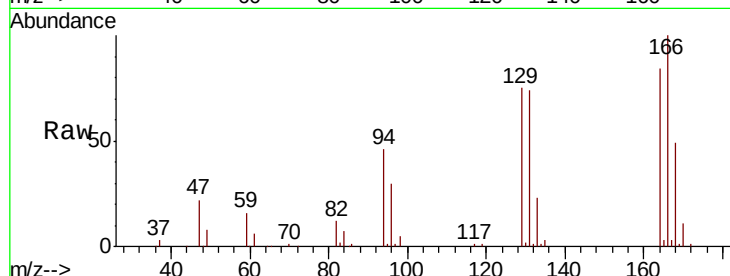
Ion Ratio Lower Upper

164 100

129 89.8 72.2 134.0

131 88.7 66.9 124.3

166 119.5 89.6 166.4

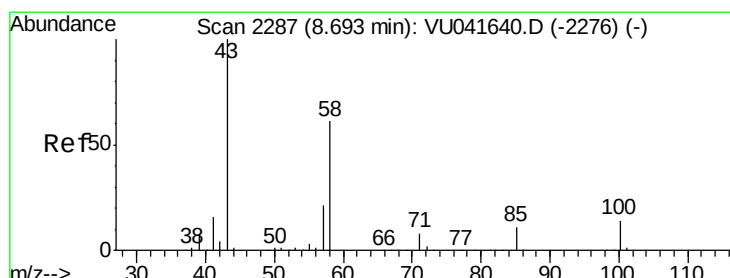
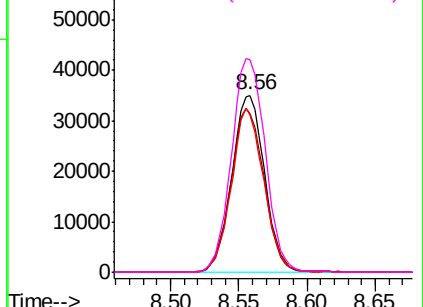


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.583 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041649.D

Acq: 15 Dec 2020 20:18

Tgt Ion: 43 Resp: 12064

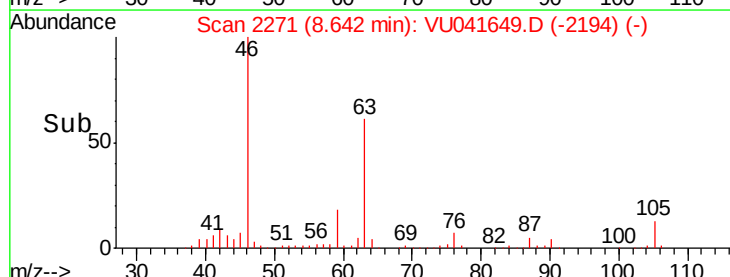
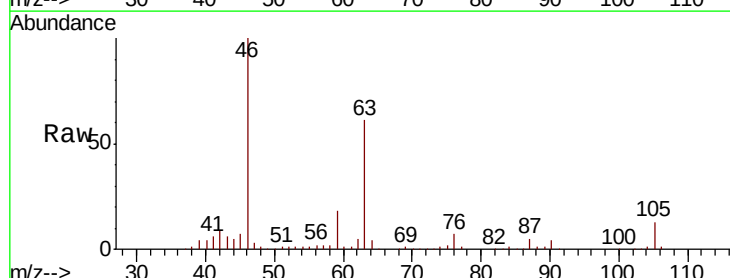
Ion Ratio Lower Upper

43 100

58 30.1 47.9 71.9#

57 33.4 16.5 24.7#

100 1.5 9.4 14.2#

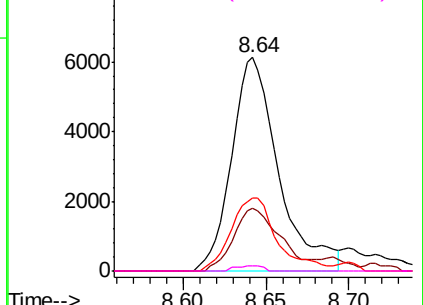


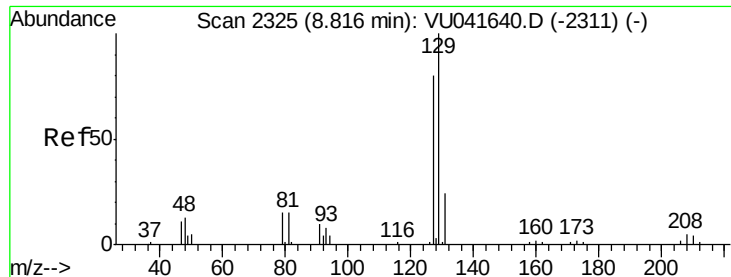
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

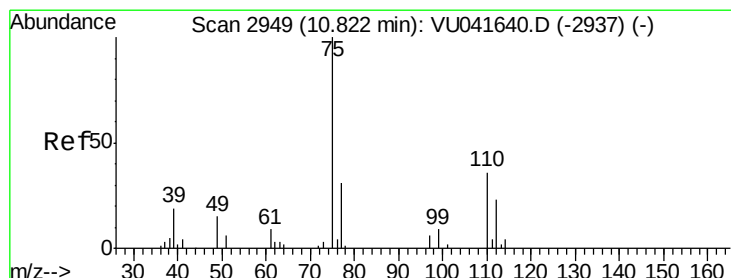
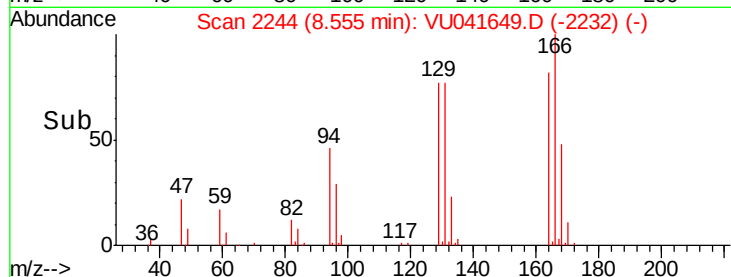
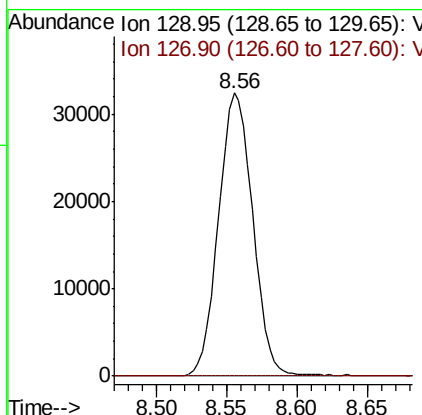
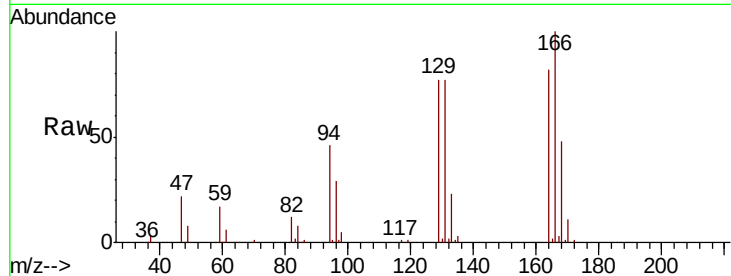




#49
 Dibromochloromethane
 Concen: 7.050 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.26 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K2DL

Tot Ion:129 Resp: 53999
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.7#



#59
 1,2,3-Trichloropropane
 Concen: 0.772 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU041649.D
 Acq: 15 Dec 2020 20:18

Tgt Ion: 75 Resp: 5228
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2

