

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120720\
 Data File : VU041482.D
 Acq On : 07 Dec 2020 10:14
 Operator : SY/MD
 Sample : VU1207WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK05

Quant Time: Dec 08 04:32:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 08 04:32:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57992	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56857	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12082	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.92	69	11193	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.58	63	22643	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.65	46	56783	50.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.68%
24) Chloroform-d	5.08	84	36351	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	26790	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.74	84	56601	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	15459	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.40%
41) Toluene-d8	7.90	98	50251	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	9599	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.64	63	40469	44.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	17932	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	24103	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

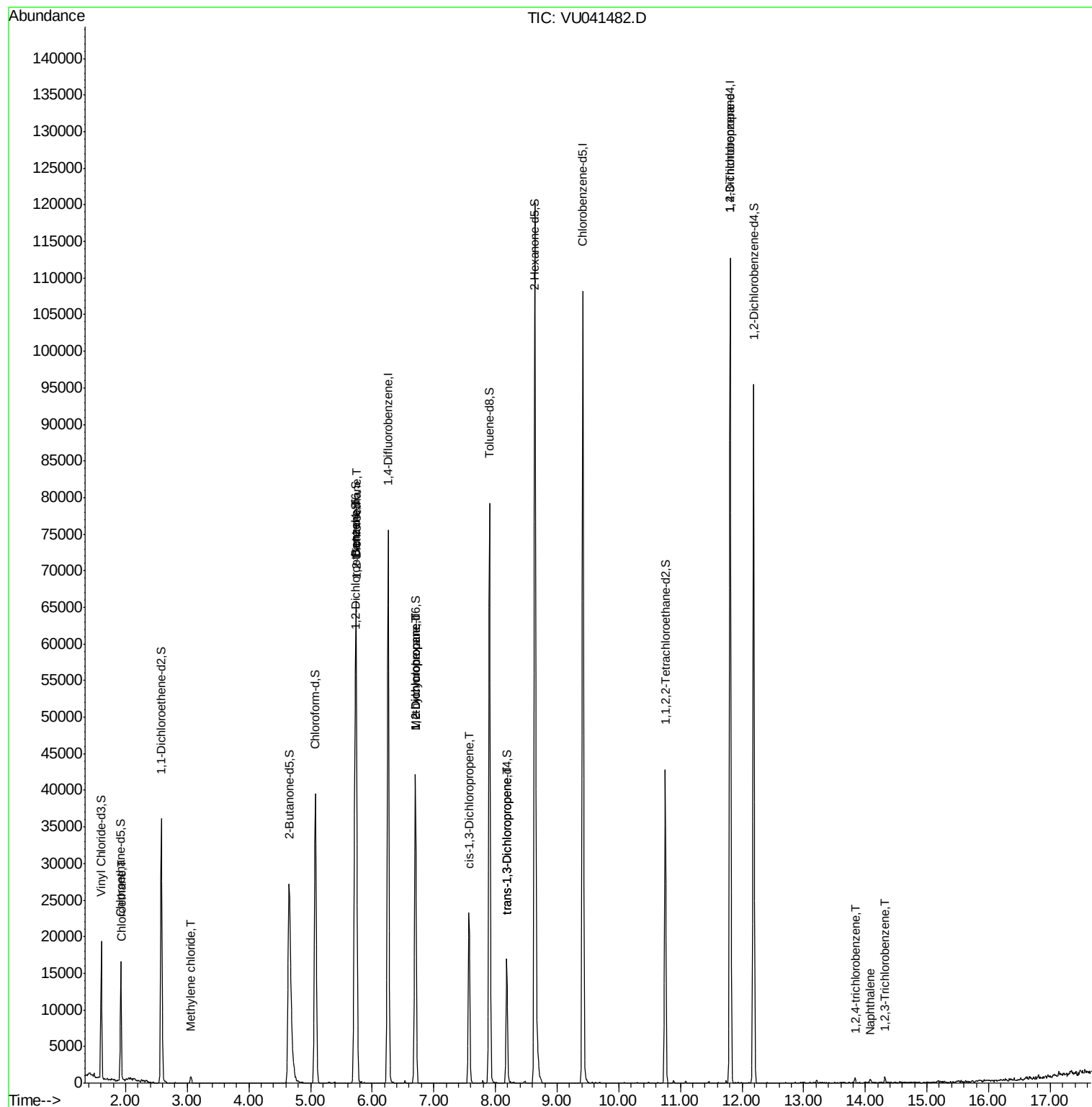
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	129	0.050	ug/L #	45
16) Methylene chloride	3.05	84	506	0.112	ug/L	83
27) 1,2-Dichloroethane	5.75	62	326	0.052	ug/L #	79
33) Benzene	5.74	78	482	0.034	ug/L	100
35) Methylcyclohexane	6.70	83	4587	0.792	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2412	0.731	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	786	0.132	ug/L	88
44) trans-1,3-Dichloropropene	8.18	75	432	0.073	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	3023	0.945	ug/L #	71
68) 1,2,4-trichlorobenzene	13.83	180	387	0.075	ug/L #	79
69) Naphthalene	14.08	128	801	0.098	ug/L #	69
70) 1,2,3-Trichlorobenzene	14.32	180	469	0.102	ug/L #	79

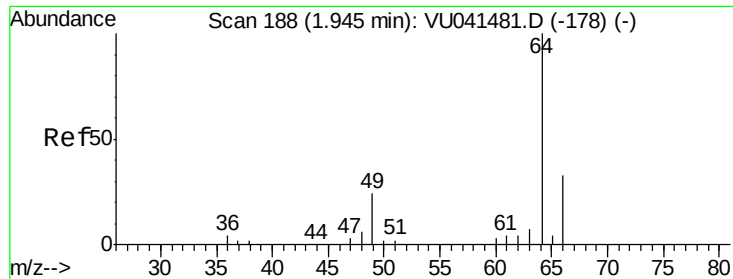
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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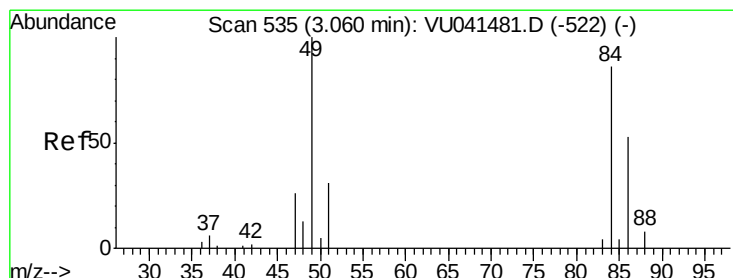
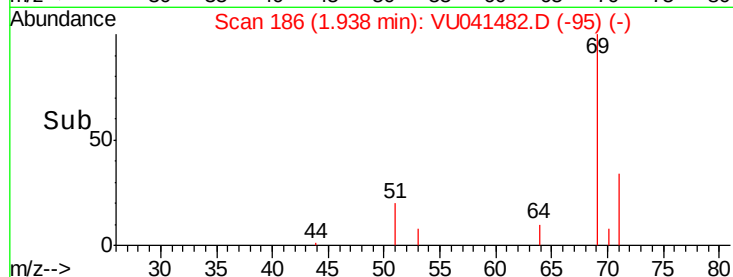
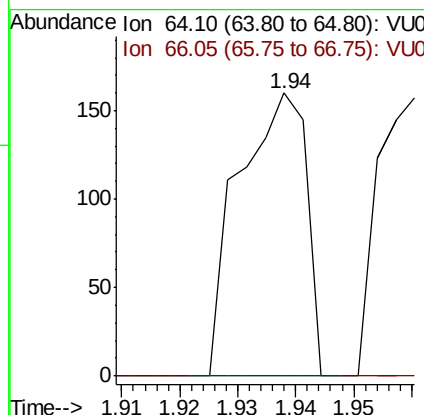
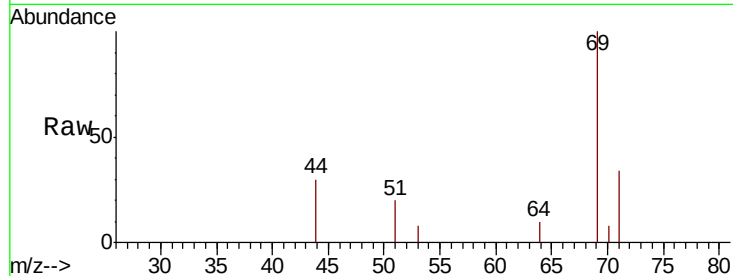




#8
Chloroethane
Concen: 0.050 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU041482.D
Acq: 07 Dec 2020 10:14

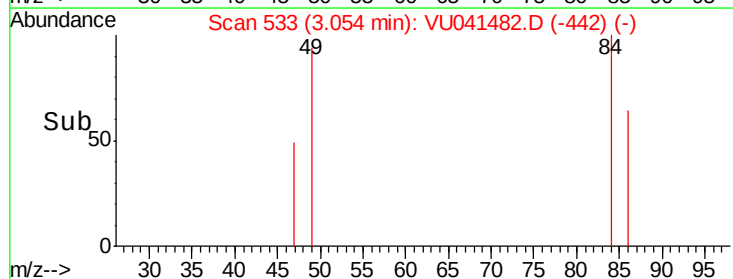
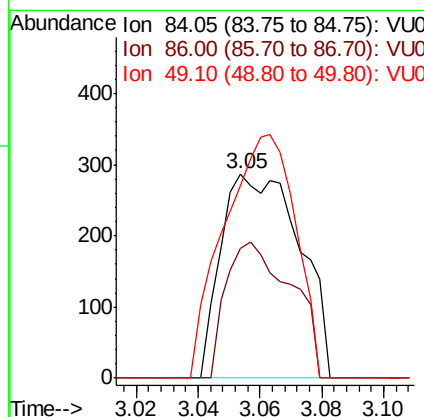
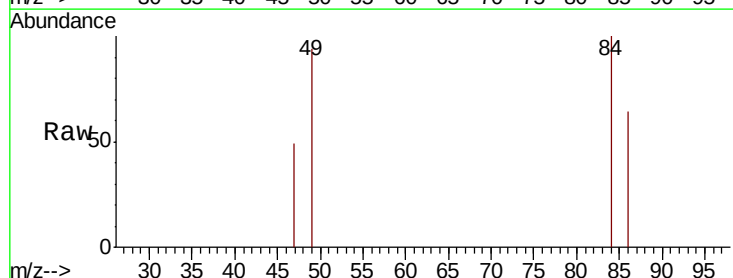
Instrument :
MSVOA_U
ClientSampleId :
VBLK05

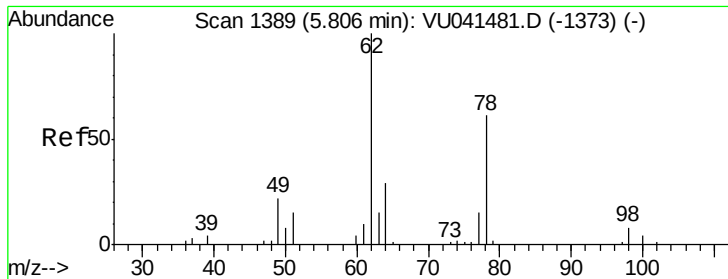
Tot Ion: 64 Resp: 129
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#16
Methylene chloride
Concen: 0.112 ug/L
RT: 3.05 min Scan# 533
Delta R.T. -0.01 min
Lab File: VU041482.D
Acq: 07 Dec 2020 10:14

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
86 63.8 44.1 81.9
49 94.1 86.1 159.9

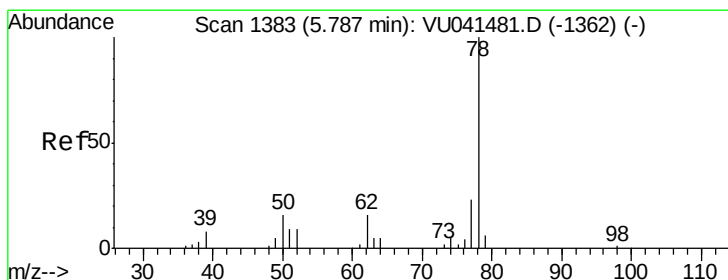
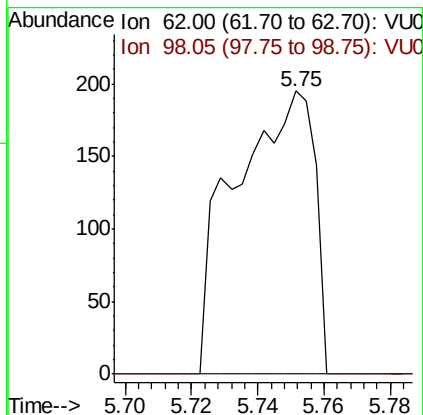
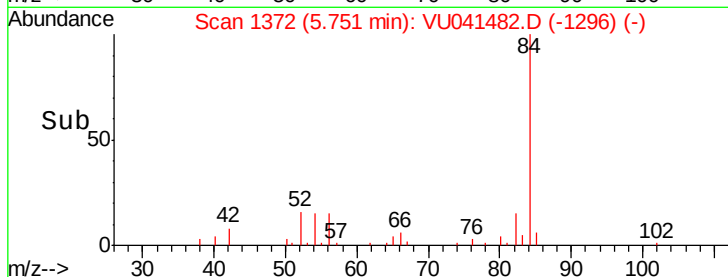
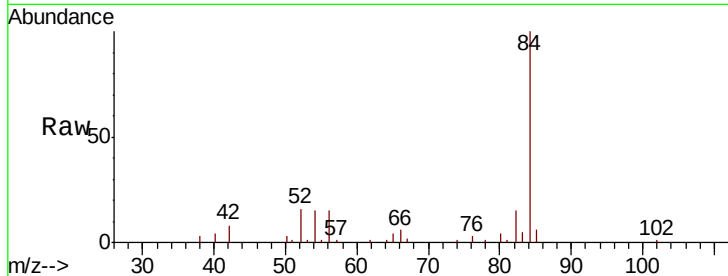




#27
 1,2-Dichloroethane
 Concen: 0.052 ug/L
 RT: 5.75 min Scan# 1372
 Delta R.T. -0.05 min
 Lab File: VU041482.D
 Acq: 07 Dec 2020 10:14

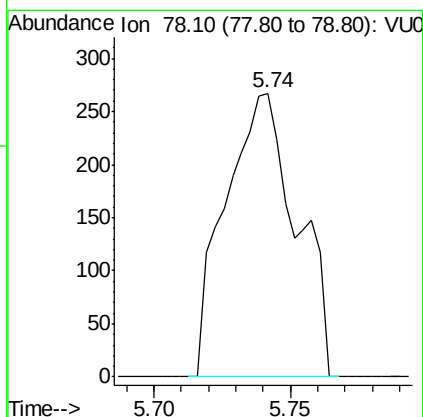
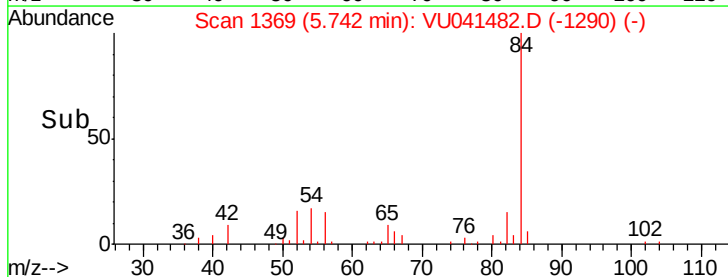
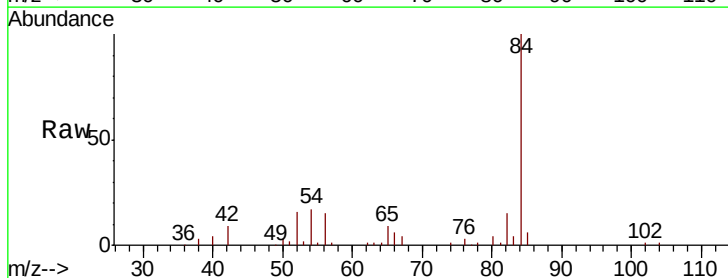
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK05

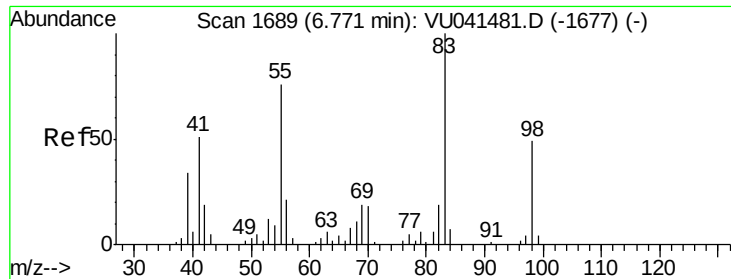
Tot Ion: 62 Resp: 326
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#33
 Benzene
 Concen: 0.034 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.05 min
 Lab File: VU041482.D
 Acq: 07 Dec 2020 10:14

Tgt Ion: 78 Resp: 482

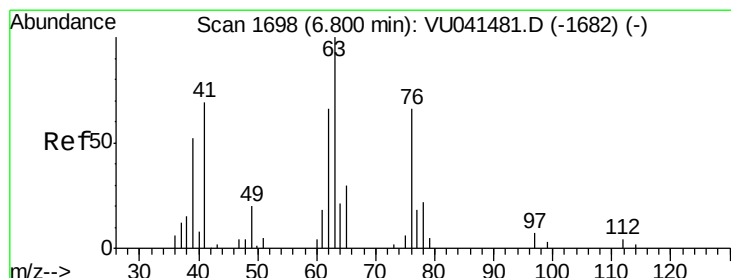
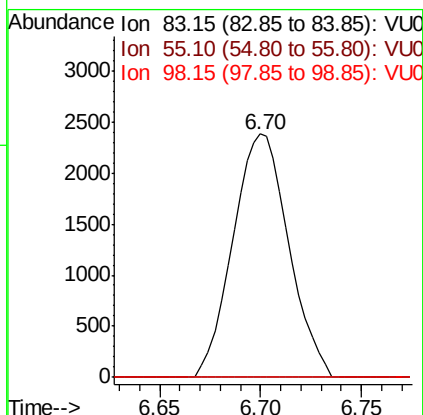
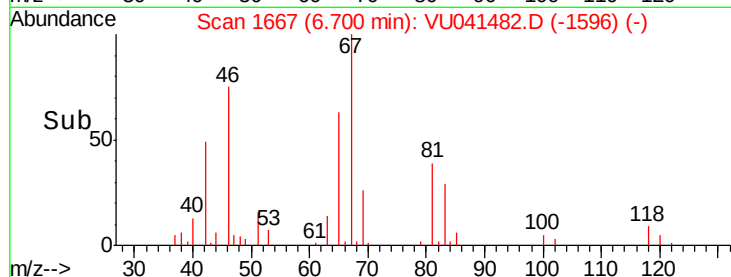
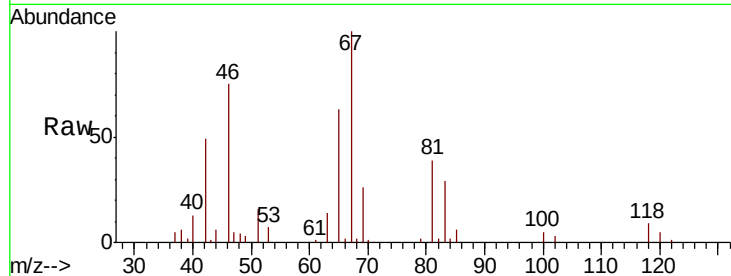




#35
Methylcyclohexane
Concen: 0.792 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041482.D
Acq: 07 Dec 2020 10:14

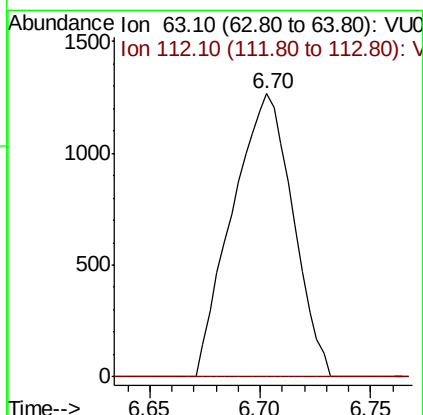
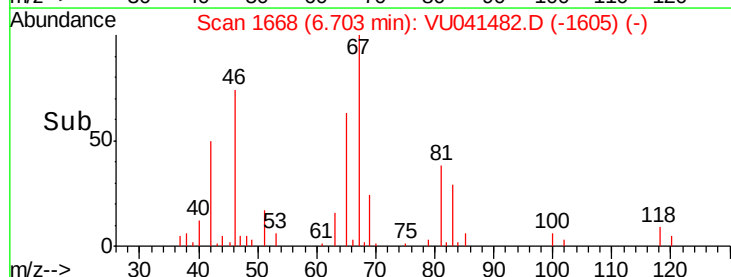
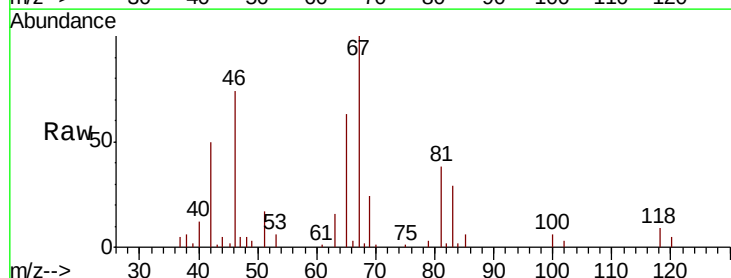
Instrument :
MSVOA_U
ClientSampleId :
VBLK05

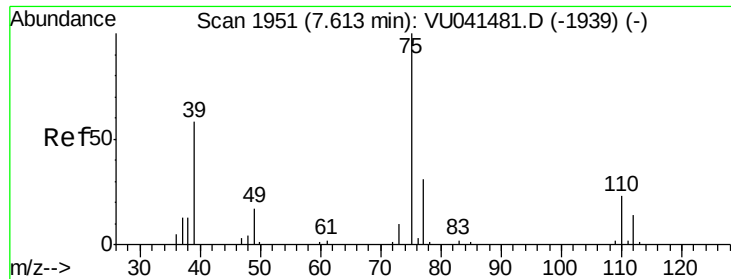
Tot Ion: 83 Resp: 4587
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.731 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041482.D
Acq: 07 Dec 2020 10:14

Tgt Ion: 63 Resp: 2412
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#

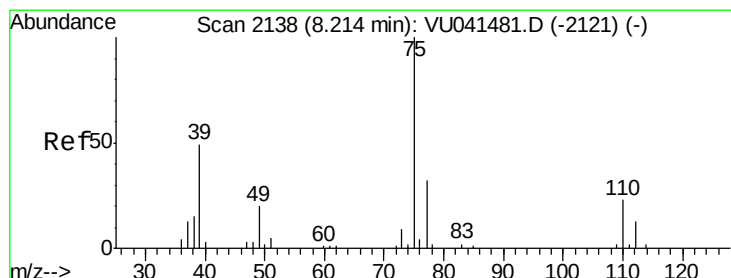
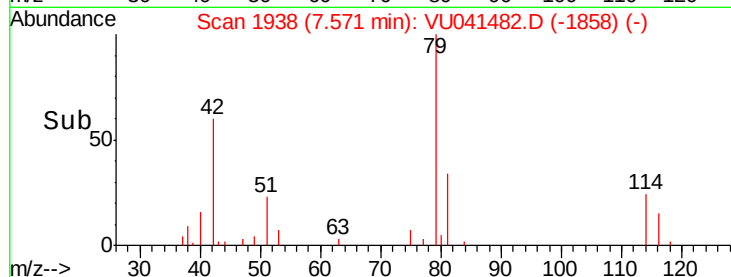
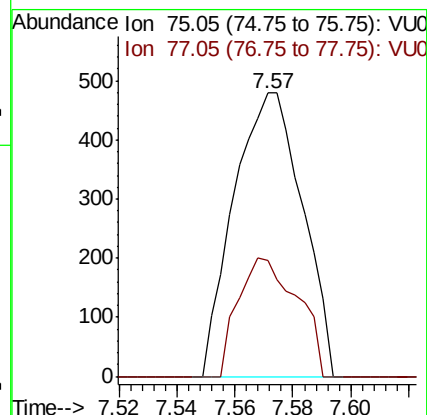
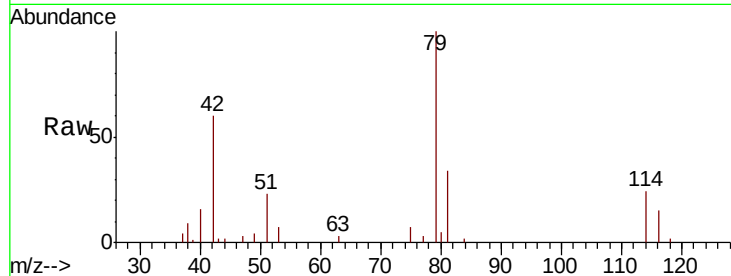




#39
 cis-1,3-Dichloropropene
 Concen: 0.132 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041482.D
 Acq: 07 Dec 2020 10:14

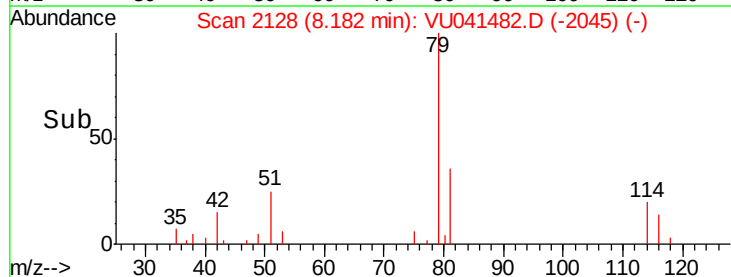
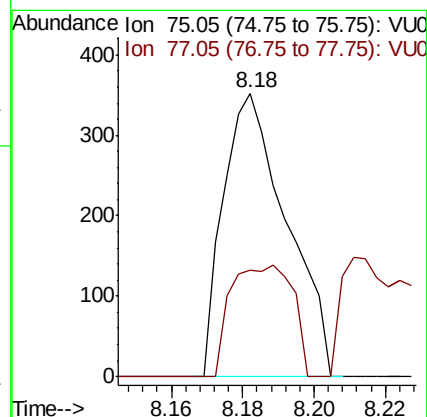
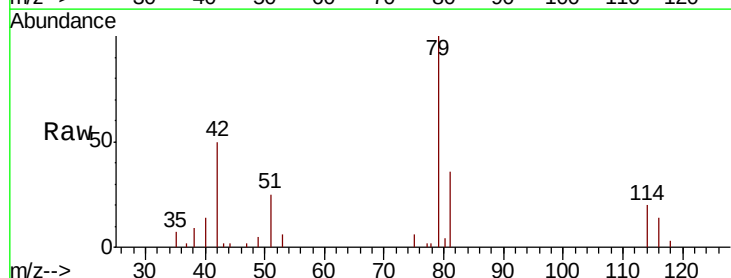
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK05

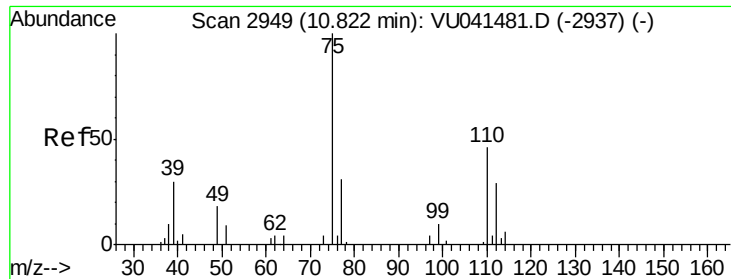
Tot Ion: 75 Resp: 786
 Ion Ratio Lower Upper
 75 100
 77 40.9 24.0 44.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041482.D
 Acq: 07 Dec 2020 10:14

Tgt Ion: 75 Resp: 432
 Ion Ratio Lower Upper
 75 100
 77 37.5 22.7 42.3





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041482.D

Acq: 07 Dec 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

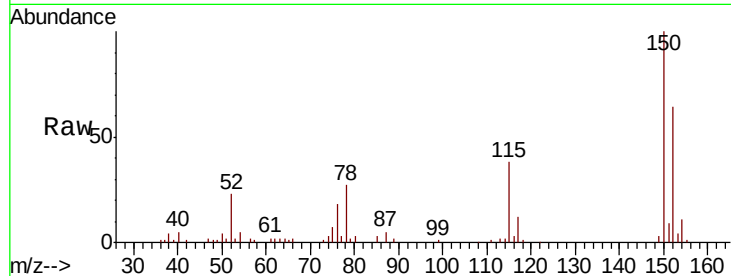
VBLK05

Tot Ion: 75 Resp: 3023

Ion Ratio Lower Upper

75 100

77 49.5 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041482.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VU041482.D (-3256) (-)

11.81

1500

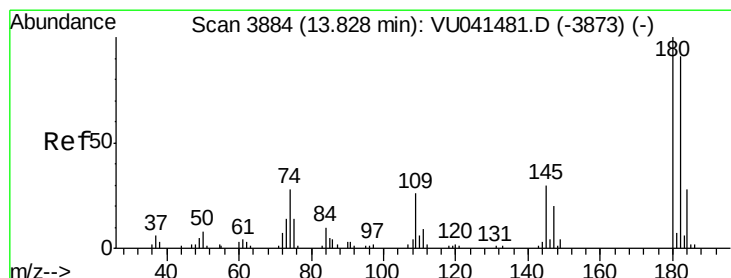
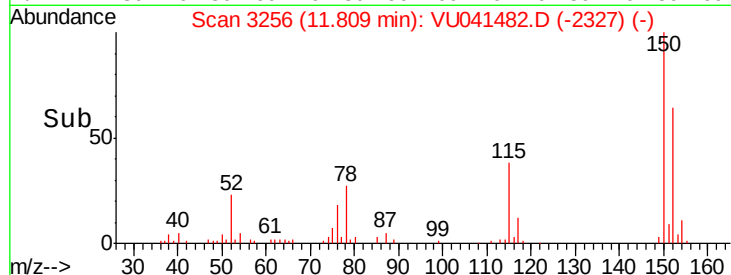
1000

500

0

11.75 11.80 11.85

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.075 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.01 min

Lab File: VU041482.D

Acq: 07 Dec 2020 10:14

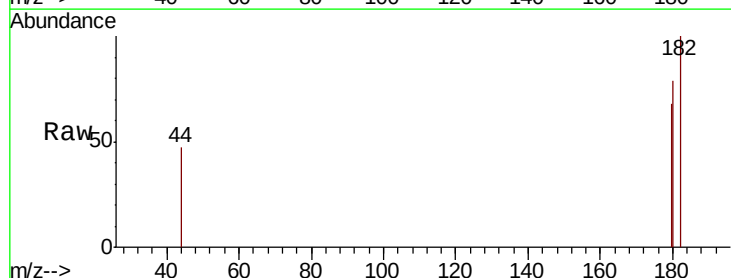
Tgt Ion: 180 Resp: 387

Ion Ratio Lower Upper

180 100

182 86.3 77.8 116.8

145 5.4 26.4 39.6#



Abundance Ion 179.90 (179.60 to 180.60): VU041482.D (-3886) (-)

Ion 182.00 (181.70 to 182.70): VU041482.D (-3886) (-)

Ion 144.95 (144.65 to 145.65): VU041482.D (-3886) (-)

13.83

500

400

300

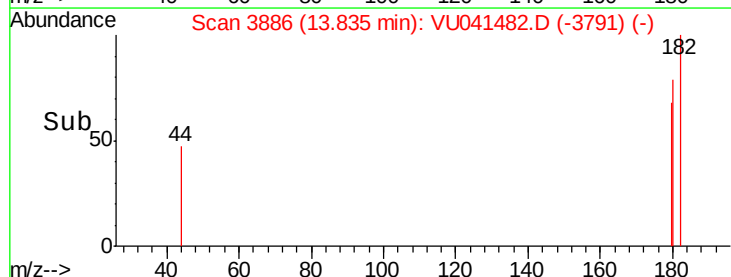
200

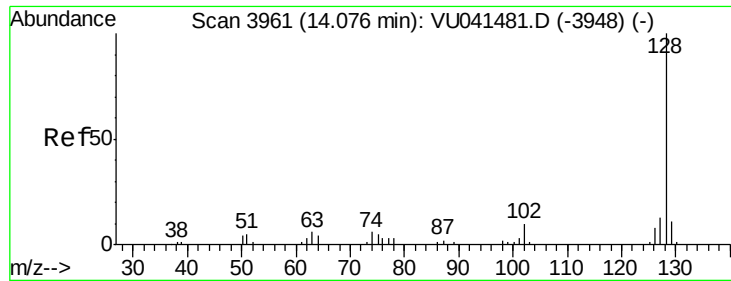
100

0

13.80 13.82 13.84 13.86

Time-->





#69

Naphthalene

Concen: 0.098 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041482.D

Acq: 07 Dec 2020 10:14

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ClientSampleId :

VBLK05

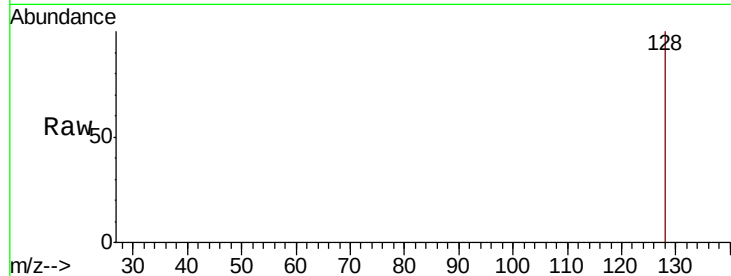
Tot Ion:128 Resp: 801

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

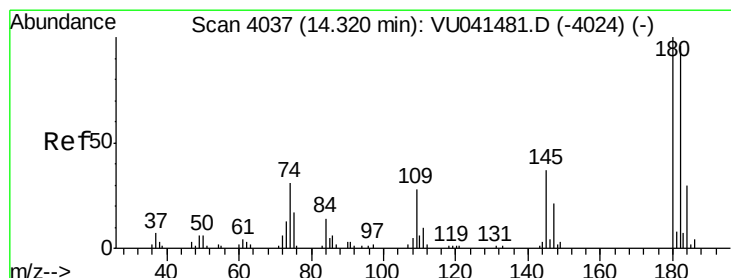
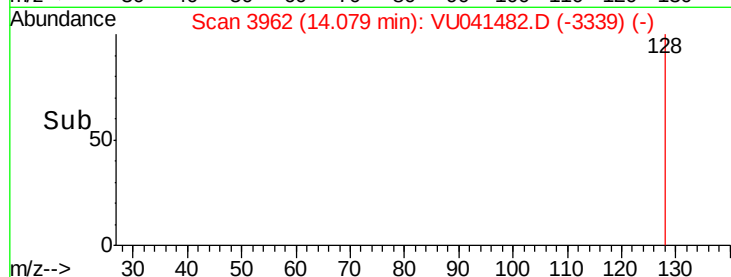
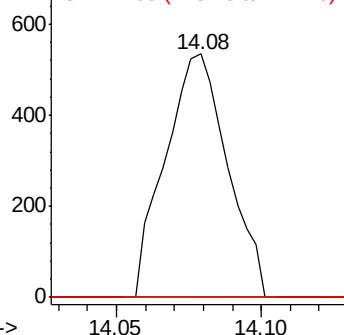
127 0.0 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.102 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041482.D

Acq: 07 Dec 2020 10:14

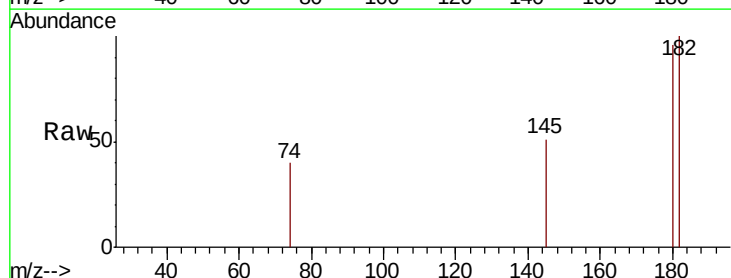
Tgt Ion:180 Resp: 469

Ion Ratio Lower Upper

180 100

182 80.6 79.1 118.7

145 17.7 27.8 41.8#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

