

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041062.D
 Acq On : 02 Nov 2020 20:00
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 03 00:50:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	46678	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	20780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19342	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.92	69	15038	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	28210	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.65	46	81114	62.81	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.62%
24) Chloroform-d	5.08	84	35725	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	24448	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.80%
32) Benzene-d6	5.74	84	66219	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	23376	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.91	98	53882	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	8990	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	56069	55.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21666	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	20782	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

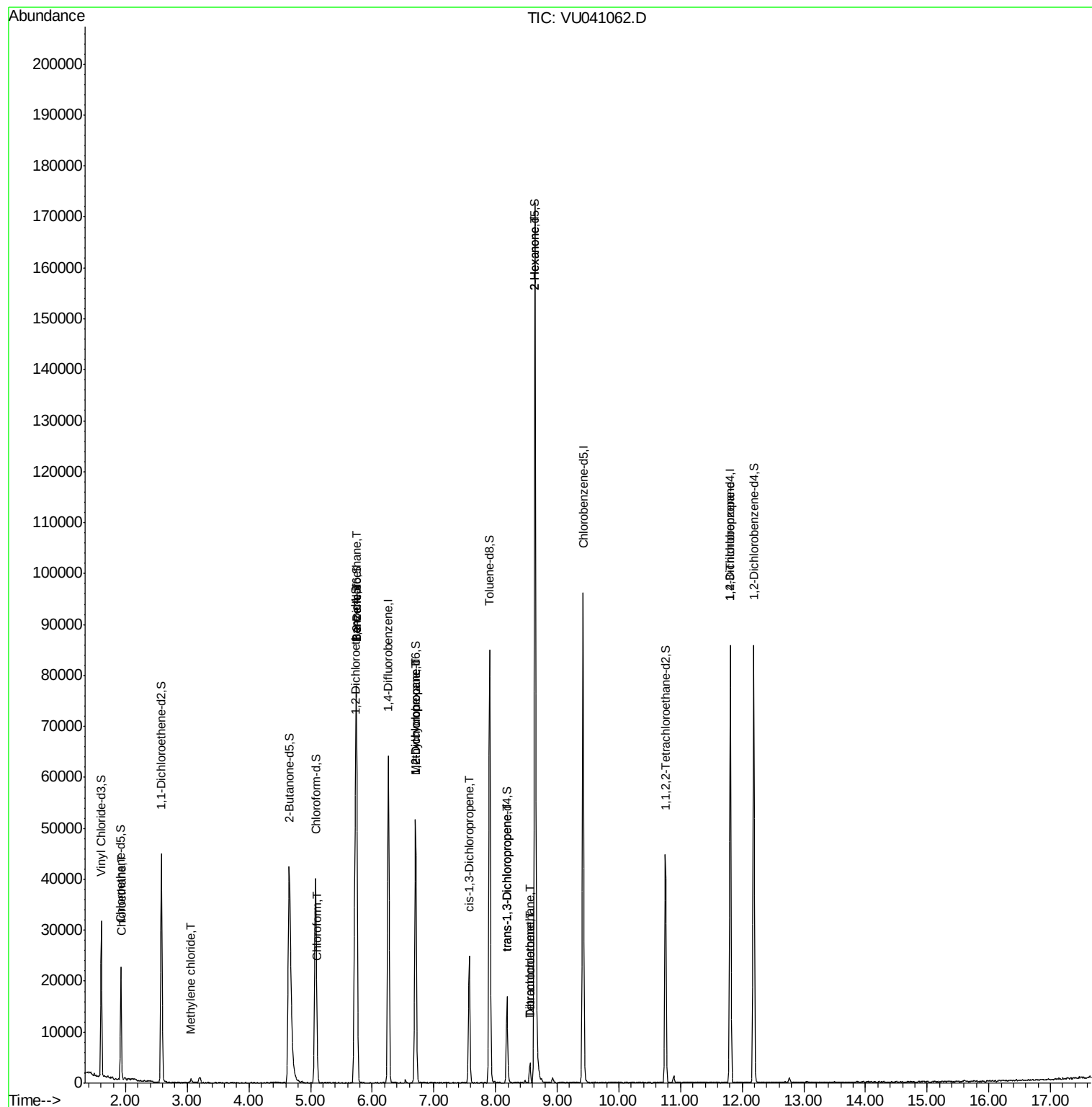
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	160	0.058	ug/L #	43
16) Methylene chloride	3.06	84	425	0.111	ug/L #	69
25) Chloroform	5.11	83	466	0.069	ug/L #	65
27) 1,2-Dichloroethane	5.74	62	321	0.064	ug/L #	74
33) Benzene	5.74	78	476	0.032	ug/L	100
35) Methylcyclohexane	6.70	83	5049	0.900	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2624	0.657	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	626	0.114	ug/L #	67
44) trans-1,3-Dichloropropene	8.18	75	371	0.072	ug/L #	58
47) Tetrachloroethene	8.56	164	874	0.316	ug/L	95
48) 2-Hexanone	8.64	43	8139	3.392	ug/L #	75
49) Dibromochloromethane	8.56	129	856	0.248	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2880	0.967	ug/L #	86

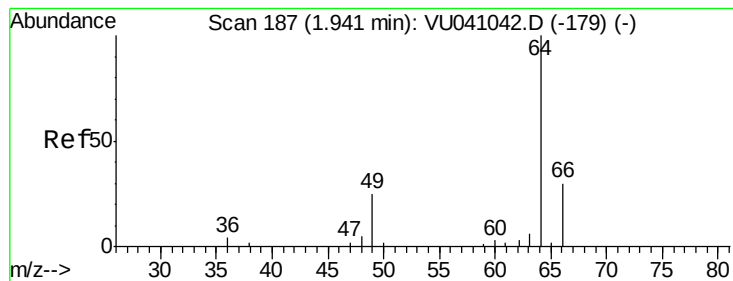
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.058 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041062.D

Acq: 02 Nov 2020 20:00

Instrument :

MSVOA_U

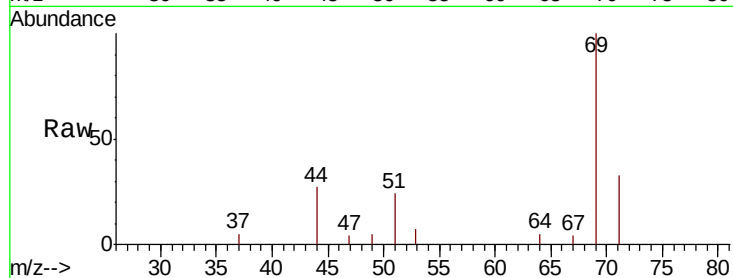
ClientSampleId :

Tot Ion: 64 Resp: 160

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

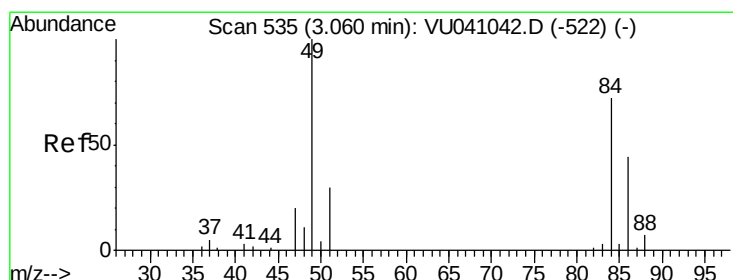
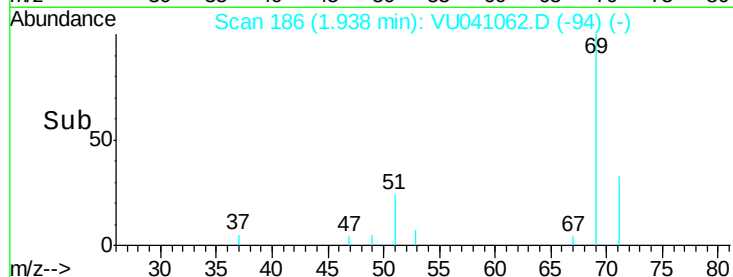
100

50

0

Time-->

1.92 1.93 1.94 1.95 1.96



#16

Methylene chloride

Concen: 0.111 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU041062.D

Acq: 02 Nov 2020 20:00

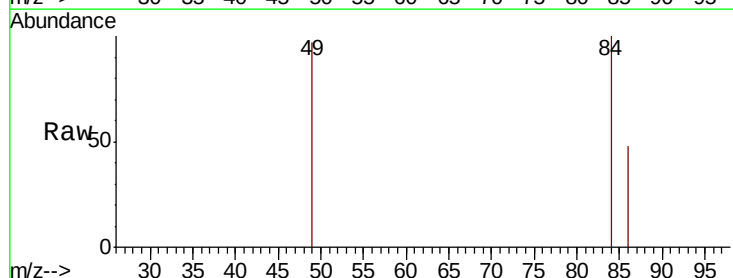
Tgt Ion: 84 Resp: 425

Ion Ratio Lower Upper

84 100

86 48.1 42.8 79.6

49 96.9 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

3.06

400

300

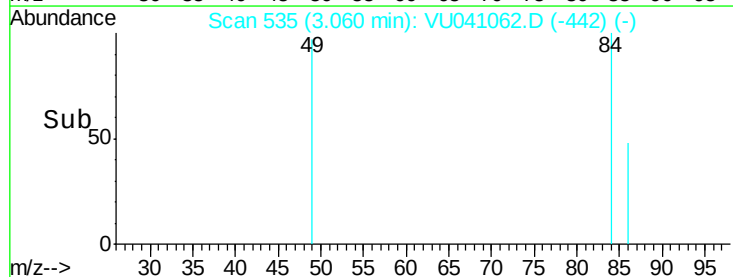
200

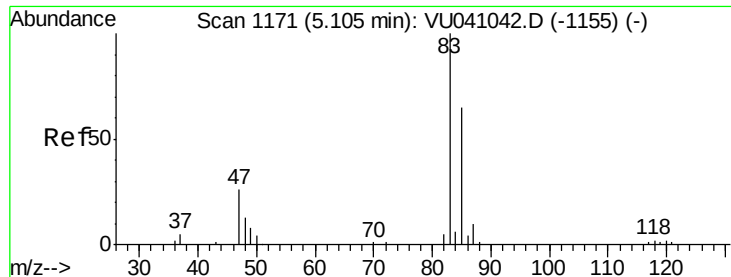
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0

Time-->

3.02 3.04 3.06 3.08 3.10

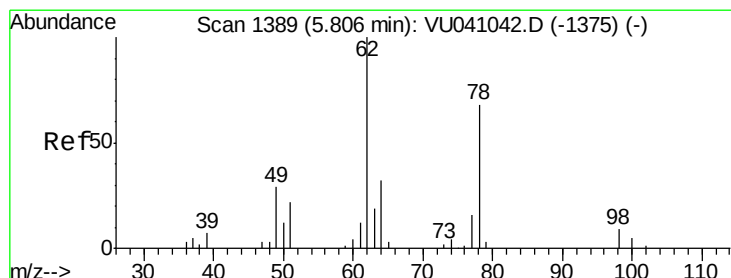
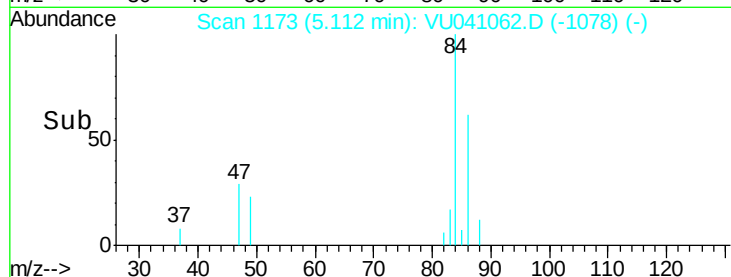
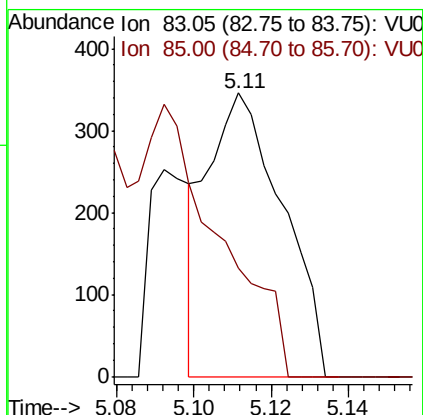
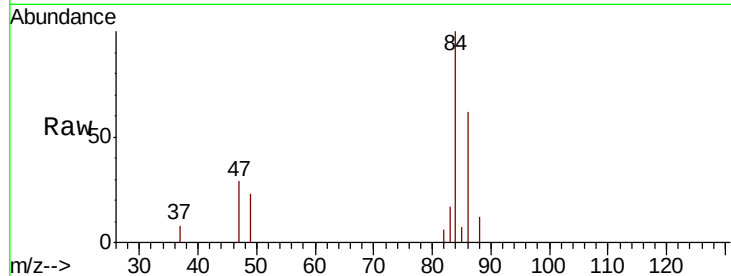




#25
Chloroform
Concen: 0.069 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

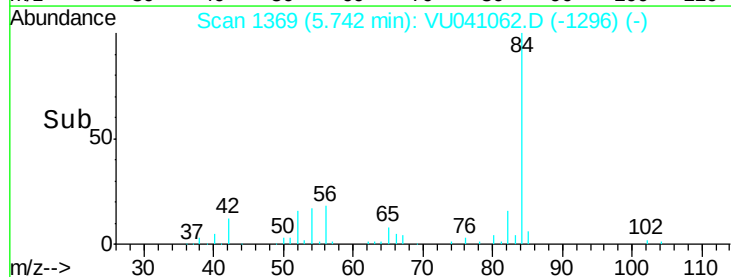
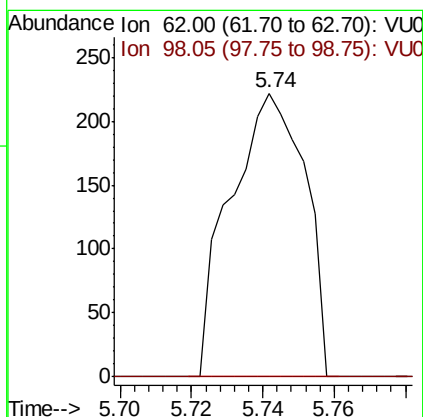
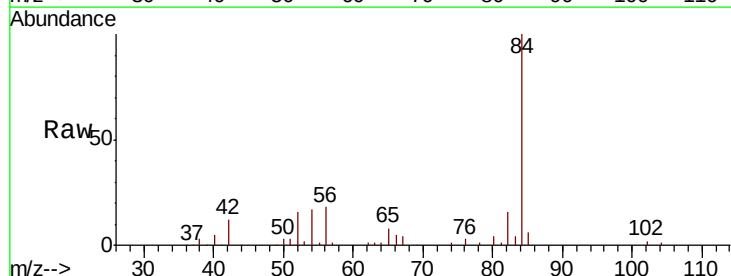
Instrument :
MSVOA_U
ClientSampleId :

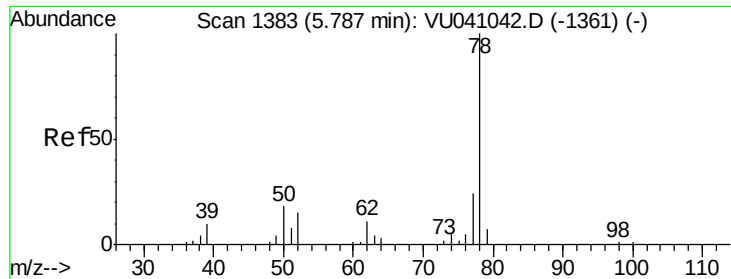
Tot Ion: 83 Resp: 466
Ion Ratio Lower Upper
83 100
85 38.2 46.1 85.7#



#27
1,2-Dichloroethane
Concen: 0.064 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

Tgt Ion: 62 Resp: 321
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

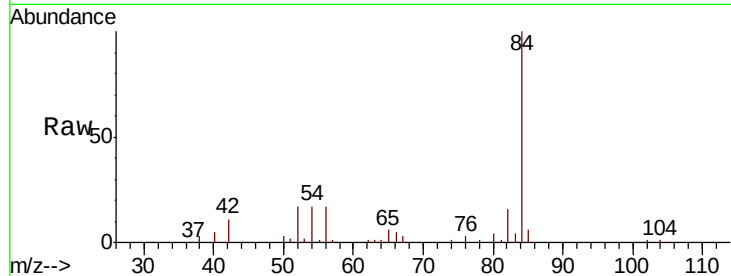




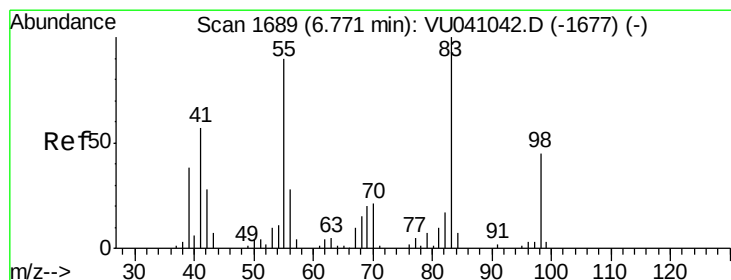
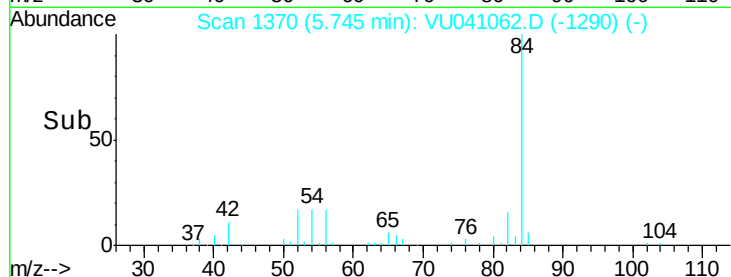
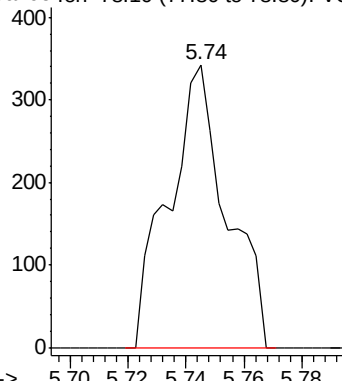
#33
Benzene
Concen: 0.032 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.04 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 476

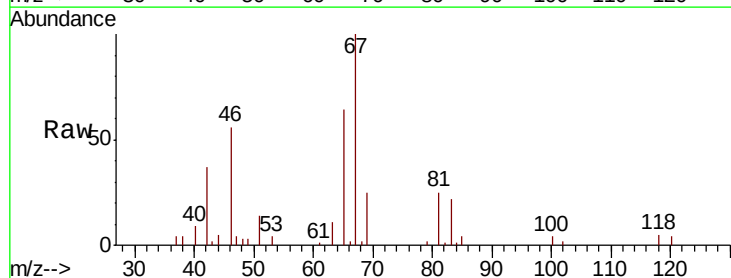


Abundance Ion 78.10 (77.80 to 78.80): VU0



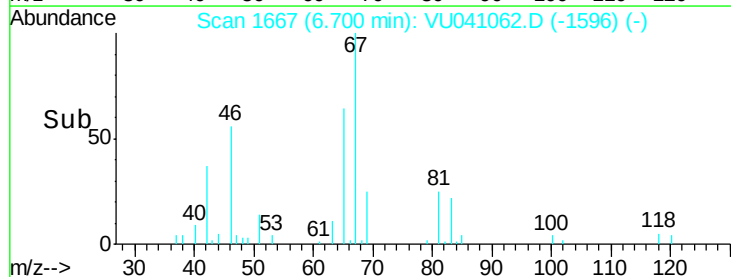
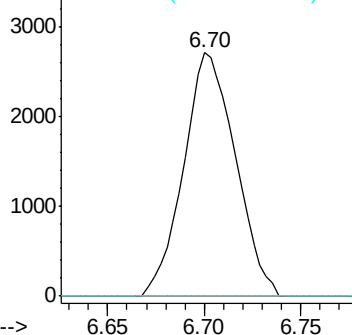
#35
Methylcyclohexane
Concen: 0.900 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

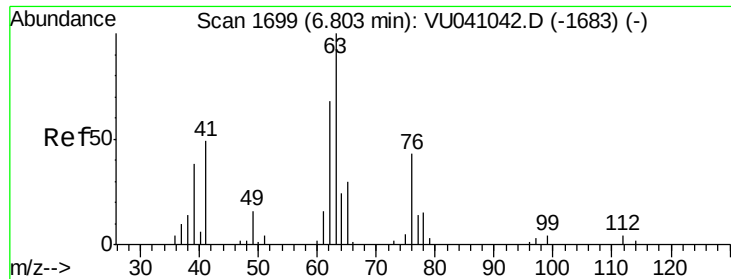
Tgt Ion: 83 Resp: 5049
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.8 36.6 55.0#



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

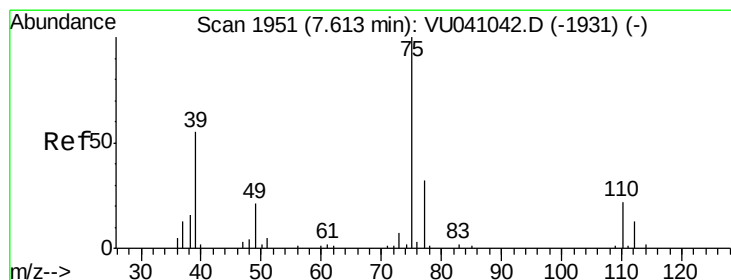
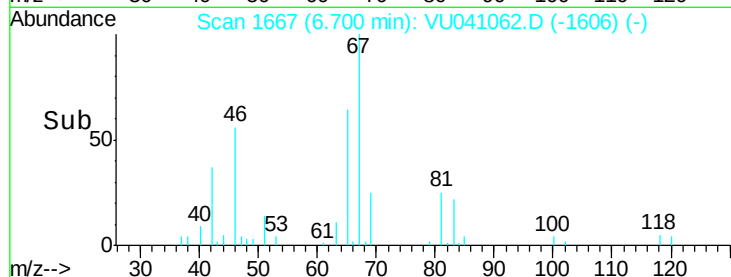
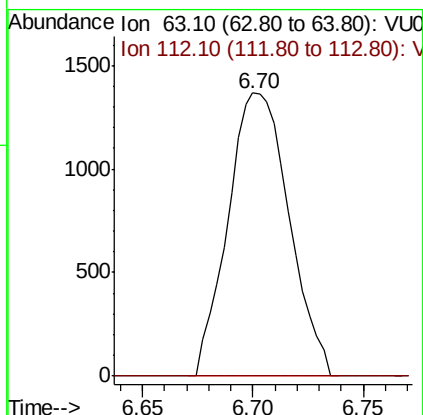
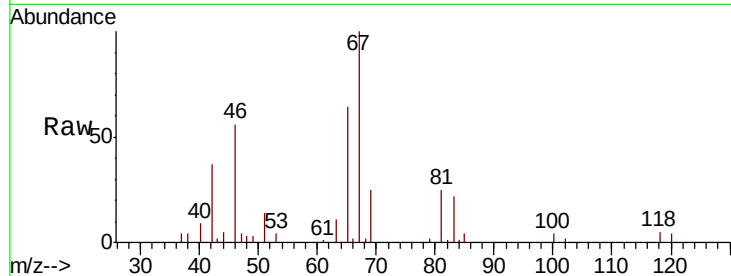




#37
 1,2-Dichloropropane
 Concen: 0.657 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041062.D
 Acq: 02 Nov 2020 20:00

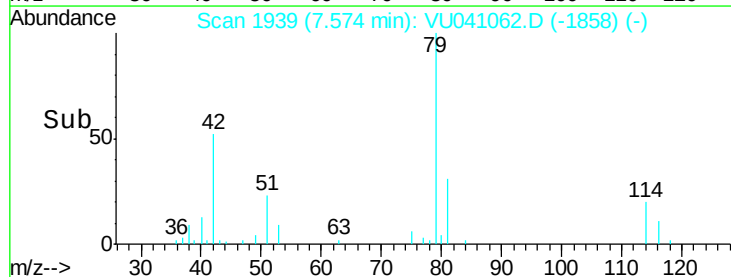
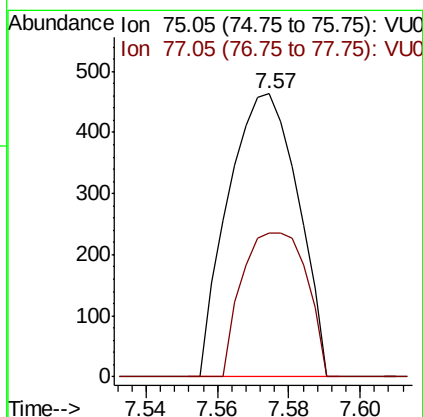
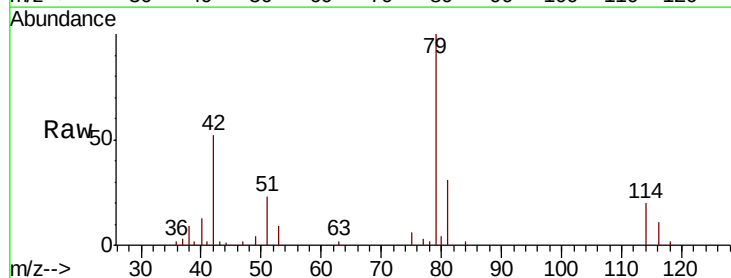
Instrument :
 MSVOA_U
 ClientSampleId :

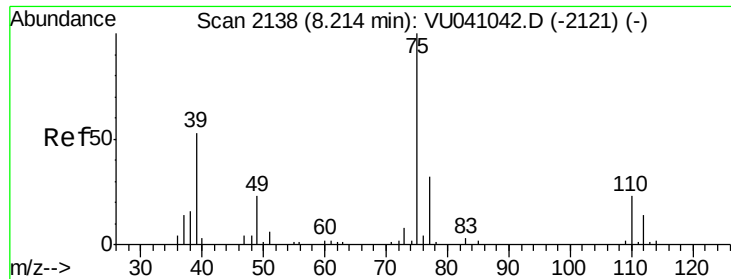
Tot Ion: 63 Resp: 2624
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041062.D
 Acq: 02 Nov 2020 20:00

Tgt Ion: 75 Resp: 626
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.7 42.3#

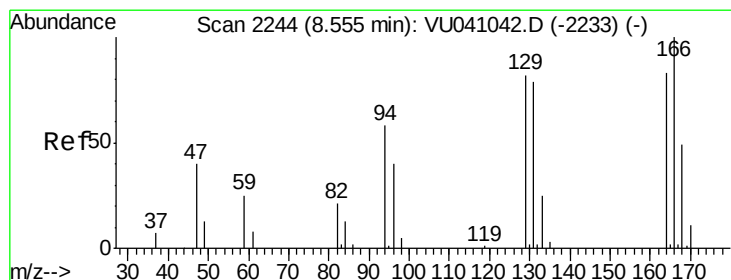
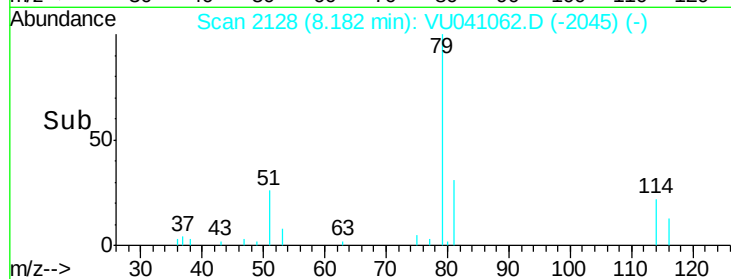
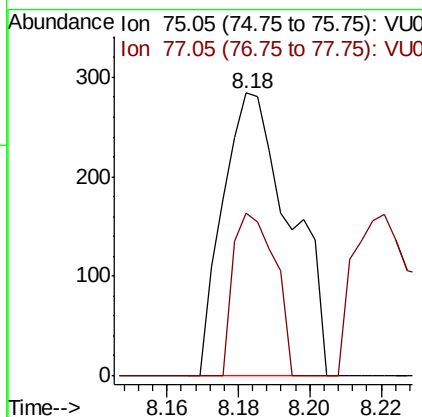
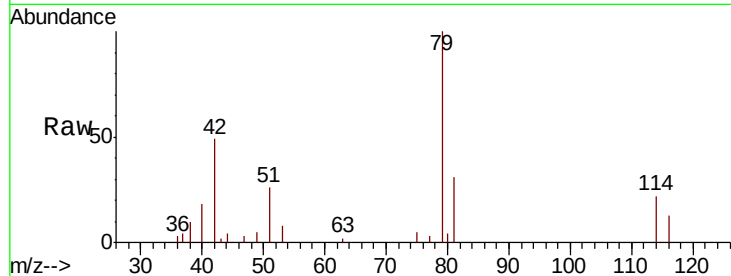




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

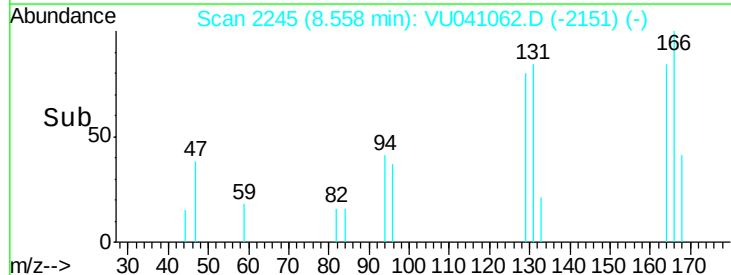
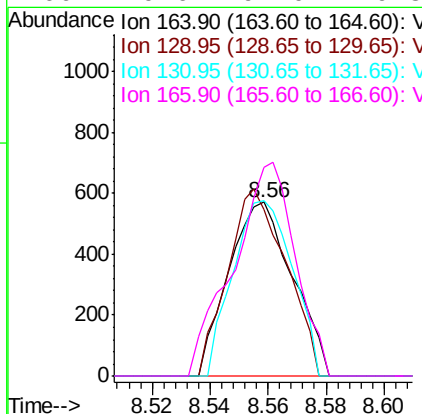
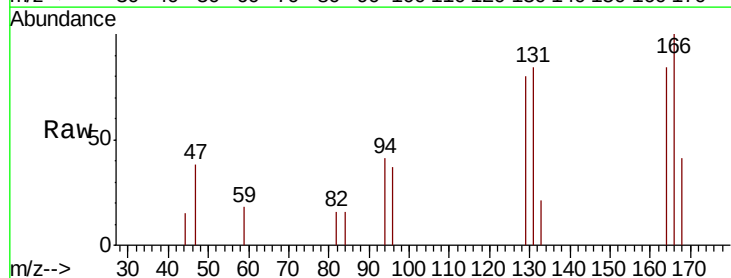
Instrument :
MSVOA_U
ClientSampleId :

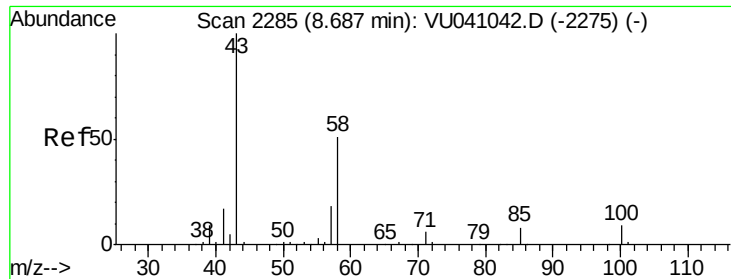
Tot Ion: 75 Resp: 371
Ion Ratio Lower Upper
75 100
77 57.4 23.3 43.3#



#47
Tetrachloroethene
Concen: 0.316 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

Tgt Ion:164 Resp: 874
Ion Ratio Lower Upper
164 100
129 95.8 70.3 130.7
131 100.9 70.8 131.4
166 119.6 92.0 170.8

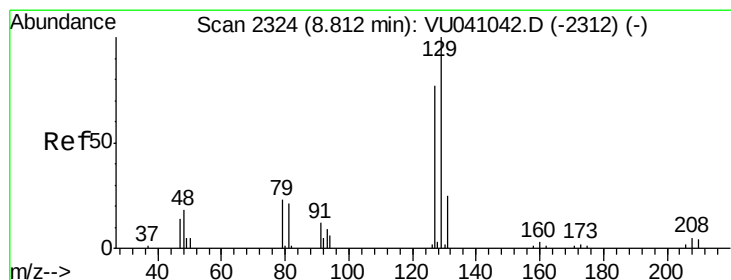
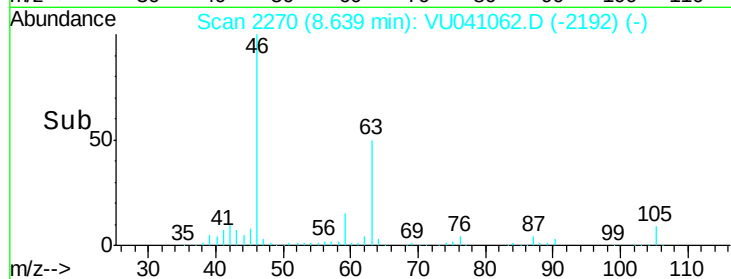
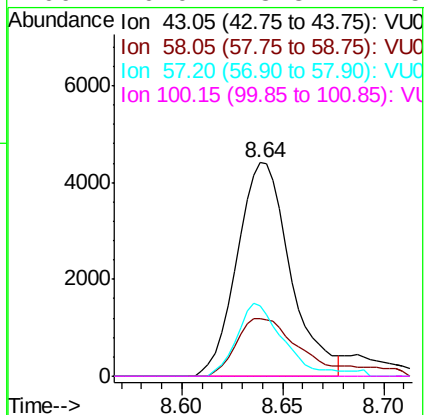
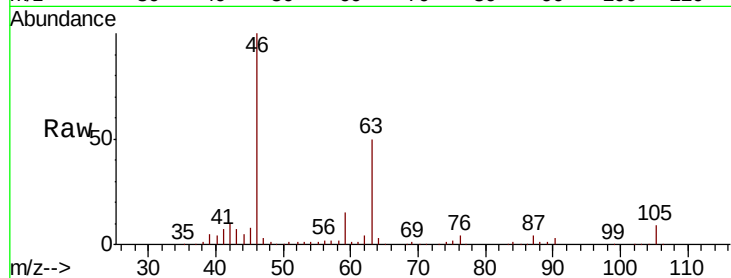




#48
2-Hexanone
Concen: 3.392 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

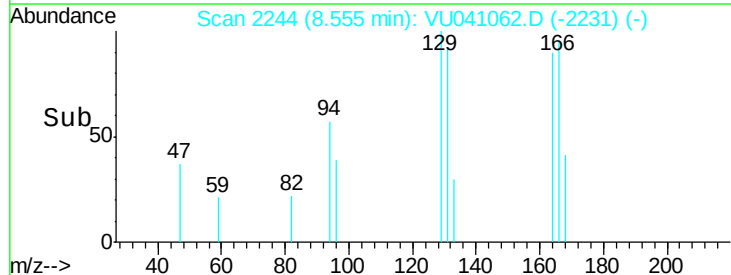
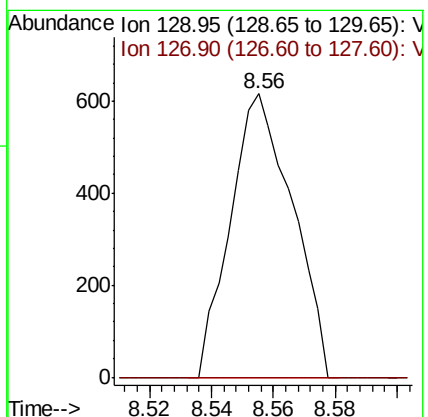
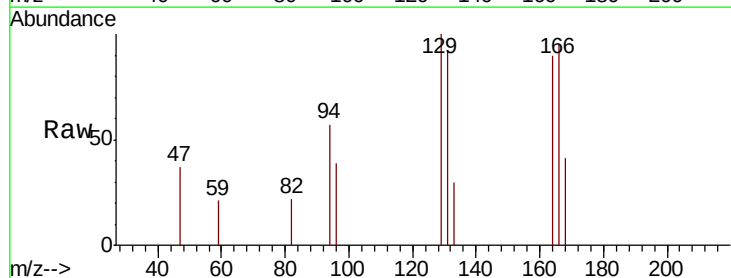
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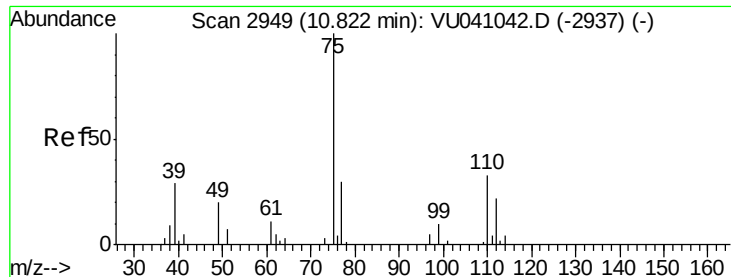
Tot Ion: 43 Resp: 8139
Ion Ratio Lower Upper
43 100
58 35.0 41.4 62.2#
57 29.9 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.248 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041062.D
Acq: 02 Nov 2020 20:00

Tgt Ion: 129 Resp: 856
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.967 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041062.D

Acq: 02 Nov 2020 20:00

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 2880

Ion Ratio Lower Upper

75 100

77 40.0 25.7 38.5#

