

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041084.D
 Acq On : 03 Nov 2020 17:45
 Operator : SY/MD
 Sample : L4575-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA1

Quant Time: Nov 04 01:01:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52503	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54388	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22779	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17419	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.92	69	13592	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.58	63	25672	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.65	46	74805	51.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.00%
24) Chloroform-d	5.08	84	33982	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.72	65	22416	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.74	84	61387	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.70	67	21714	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	48199	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	8.19	79	8521	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	53459	48.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19901	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	18692	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	391	0.078 ug/L #	77
9) Trichlorofluoromethane	2.15	101	56011	8.357 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	173	0.044 ug/L #	22
13) Acetone	2.66	43	1116	1.124 ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	374	0.096 ug/L	92
25) Chloroform	5.11	83	1497	0.198 ug/L	96
27) 1,2-Dichloroethane	5.74	62	336	0.060 ug/L #	74
31) Carbon tetrachloride	5.55	117	1217	0.207 ug/L	93
33) Benzene	5.75	78	573	0.035 ug/L	100
34) Trichloroethene	6.56	95	3501	0.847 ug/L	97
35) Methylcyclohexane	6.70	83	4976	0.807 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2565	0.583 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	569	0.094 ug/L #	81
44) trans-1,3-Dichloropropene	8.19	75	361	0.064 ug/L #	32
45) 1,1,2-Trichloroethane	8.40	97	206	0.063 ug/L #	69
47) Tetrachloroethene	8.56	164	130254	42.832 ug/L	97
49) Dibromochloromethane	8.56	129	133555	35.132 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration

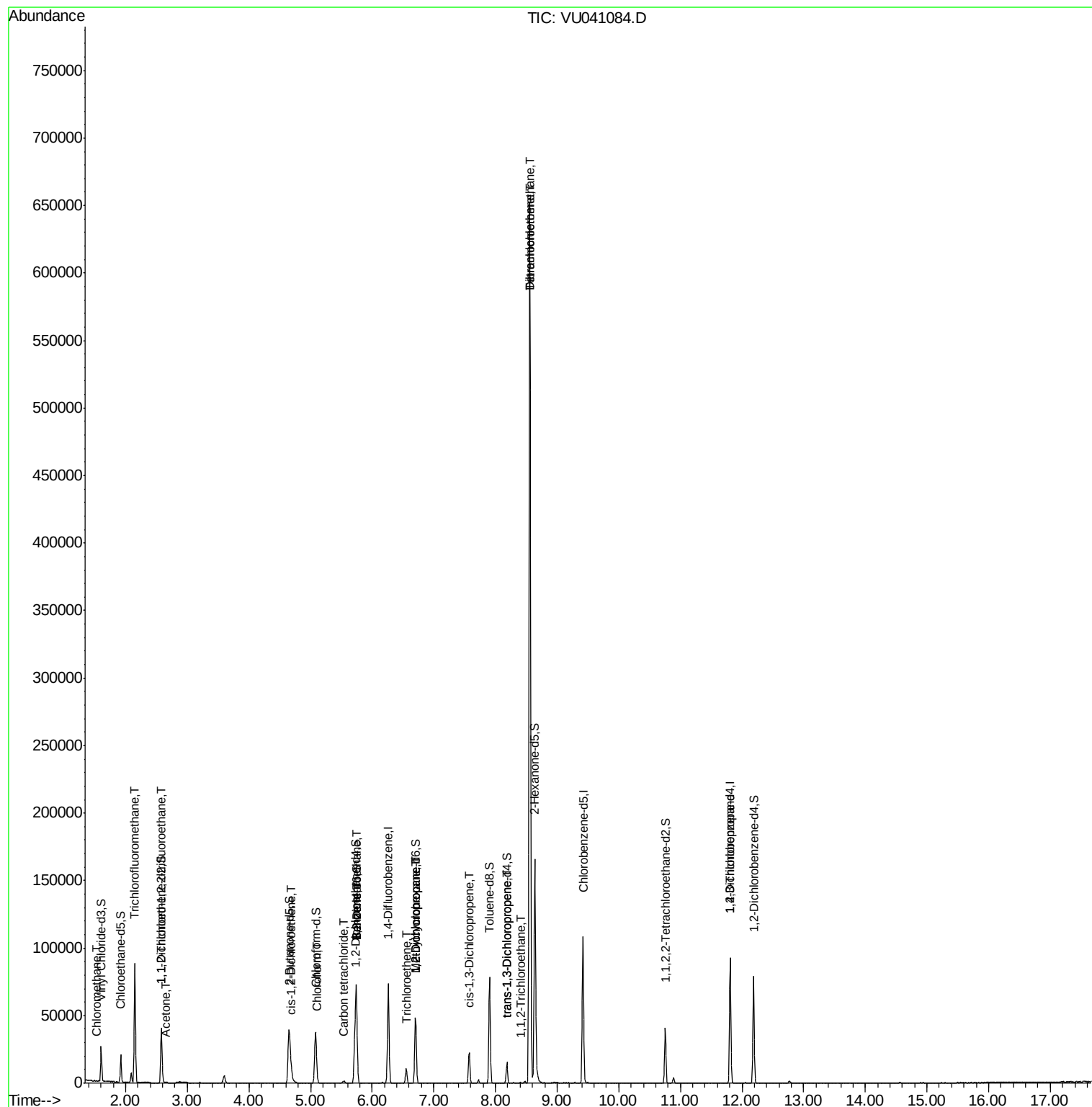
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3229	0.985	ug/L	96

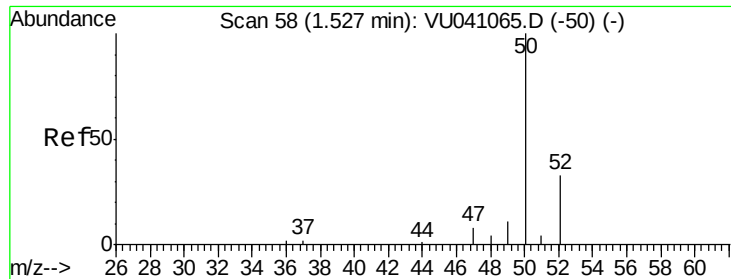
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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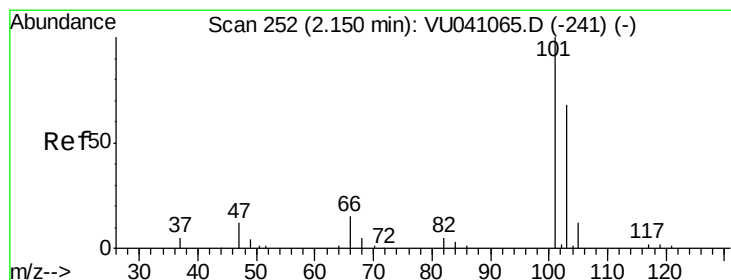
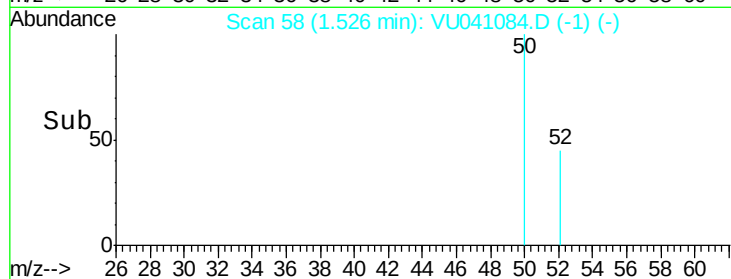
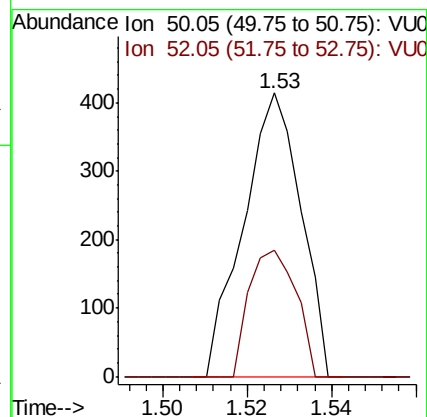
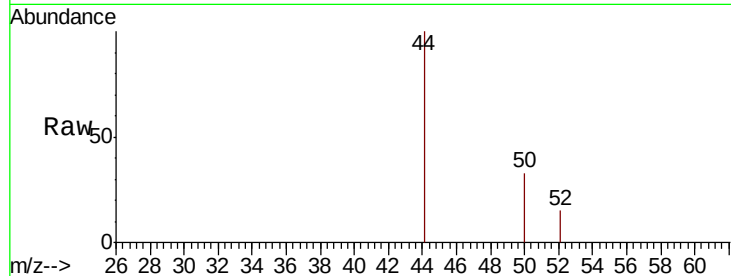




#3
Chloromethane
Concen: 0.078 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

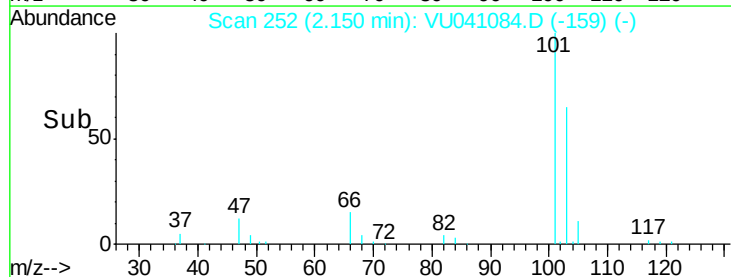
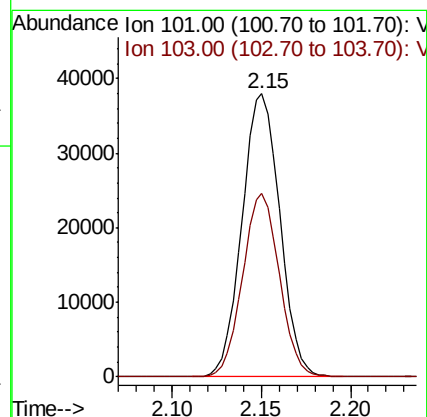
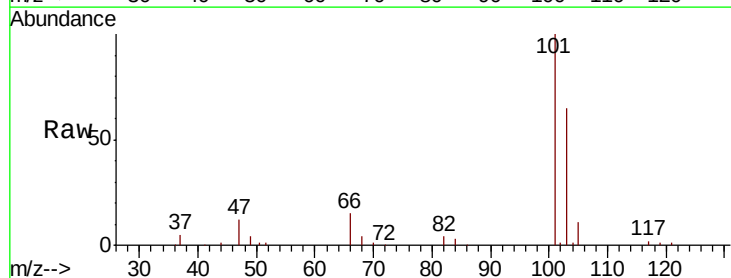
Instrument :
MSVOA_U
ClientSampleId :
C0AA1

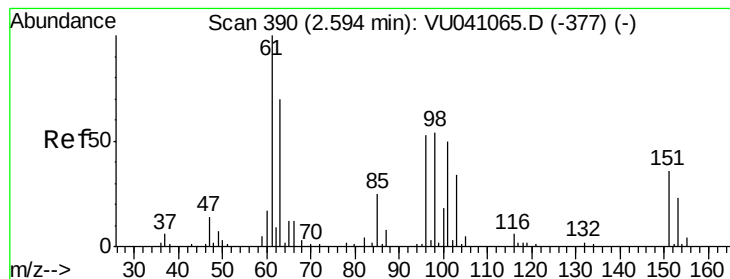
Tot Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 44.7 22.4 41.6#



#9
Trichlorofluoromethane
Concen: 8.357 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

Tgt Ion:101 Resp: 56011
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.044 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

C0AA1

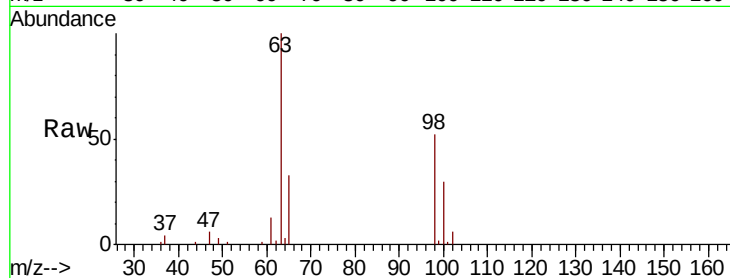
Tot Ion:101 Resp: 173

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

150

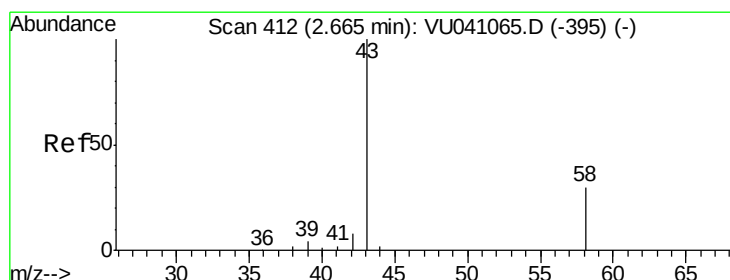
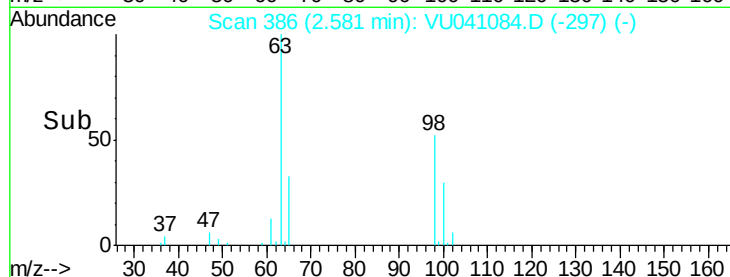
100

50

0

2.56 2.58 2.60

Time-->



#13

Acetone

Concen: 1.124 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041084.D

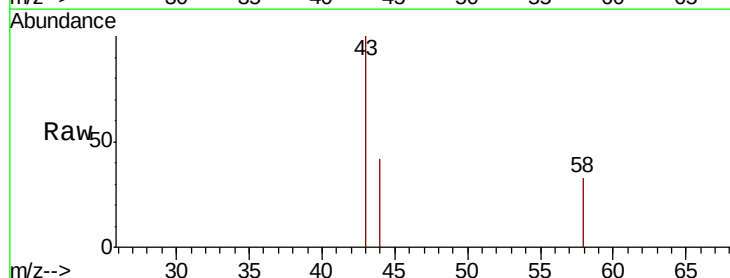
Acq: 03 Nov 2020 17:45

Tgt Ion: 43 Resp: 1116

Ion Ratio Lower Upper

43 100

58 17.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

500

400

300

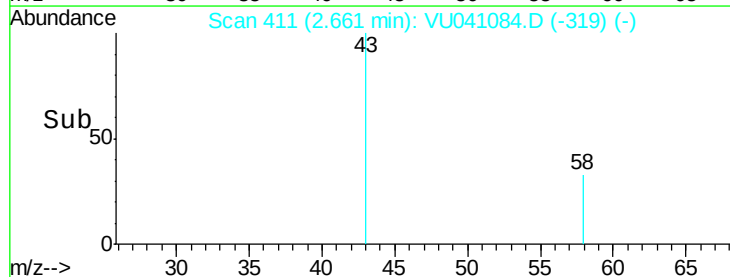
200

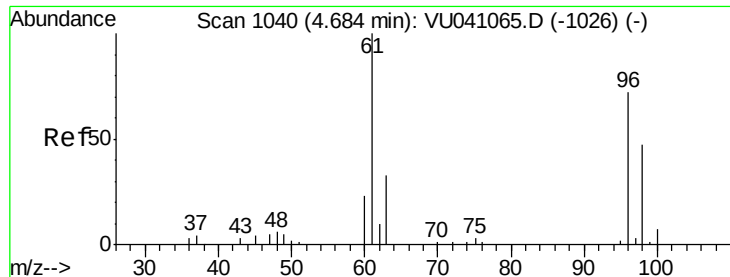
100

0

2.60 2.65 2.70

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.096 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

C0AA1

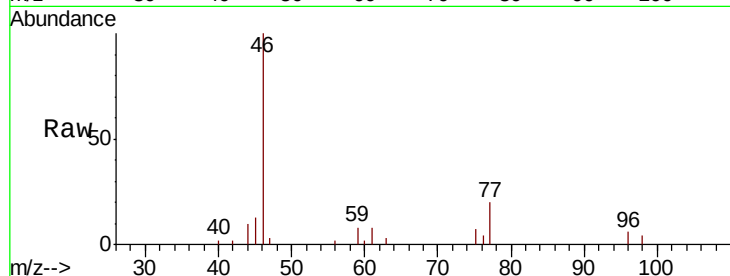
Tot Ion: 96 Resp: 374

Ion Ratio Lower Upper

96 100

61 129.4 97.2 180.4

68 0.0 0.0 0.0

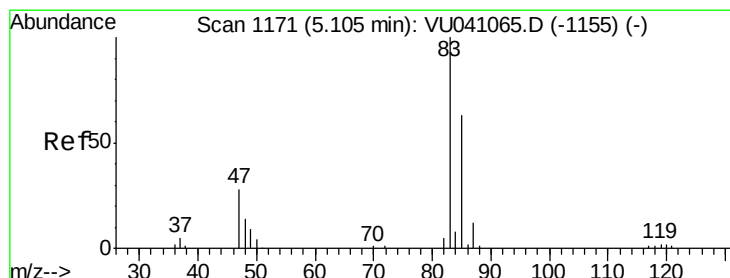
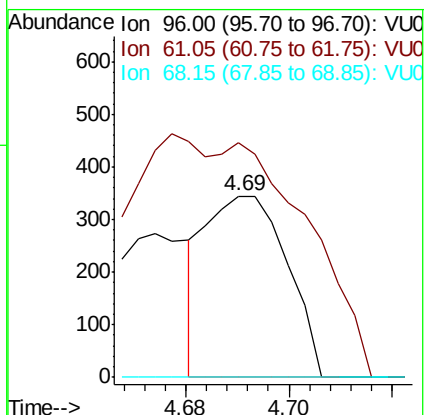
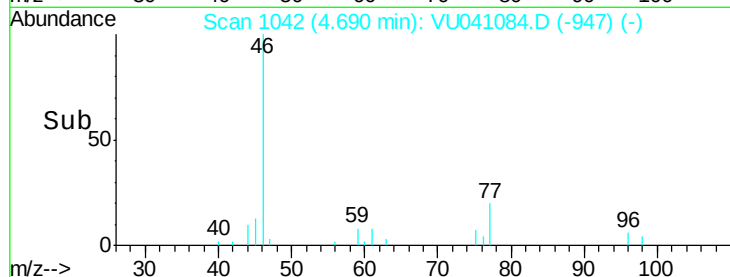


Abundance Ion 96.00 (95.70 to 96.70): VU041084.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041084.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041084.D (-947) (-)

Time-->



#25

Chloroform

Concen: 0.198 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041084.D

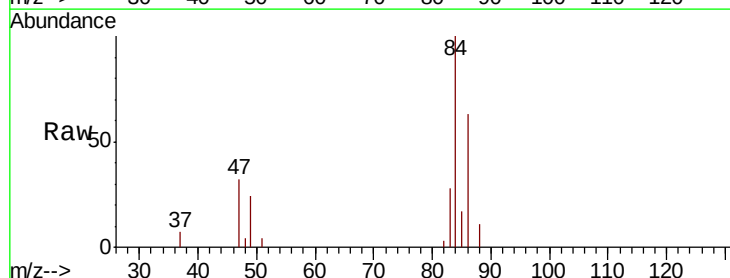
Acq: 03 Nov 2020 17:45

Tgt Ion: 83 Resp: 1497

Ion Ratio Lower Upper

83 100

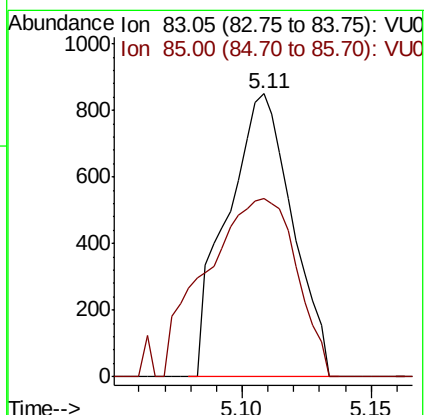
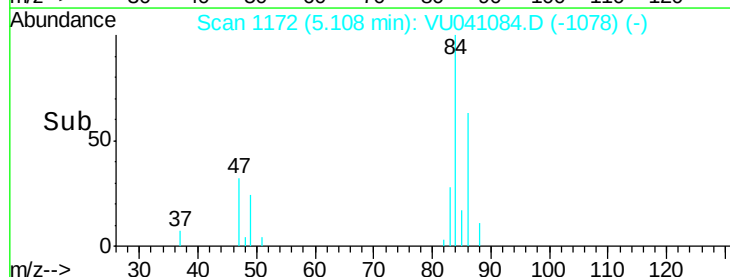
85 62.8 46.1 85.7

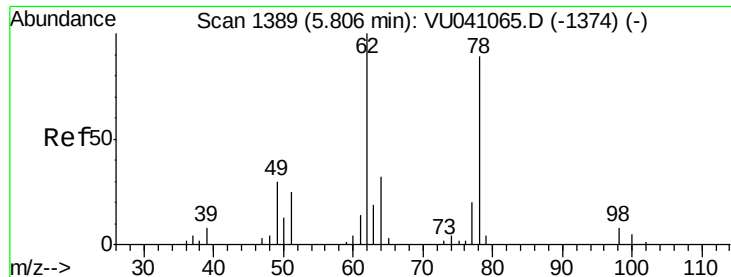


Abundance Ion 83.05 (82.75 to 83.75): VU041084.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041084.D (-1078) (-)

Time-->

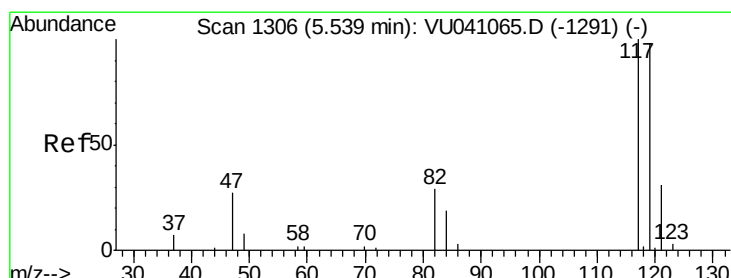
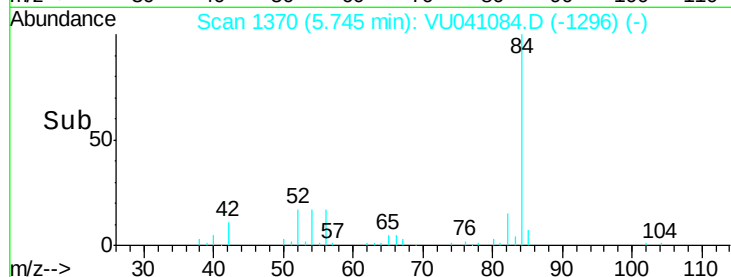
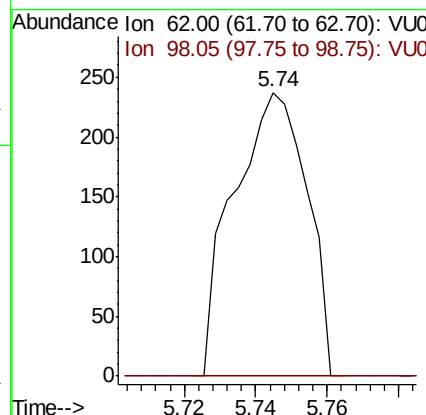
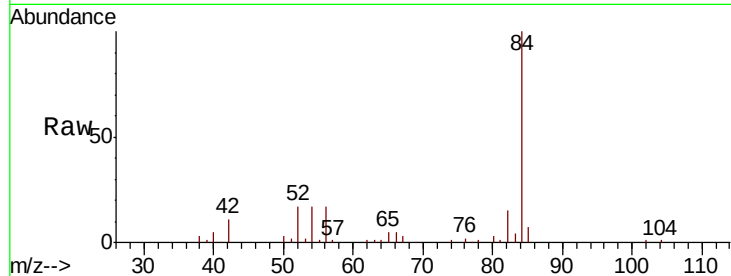




#27
 1,2-Dichloroethane
 Concen: 0.060 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041084.D
 Acq: 03 Nov 2020 17:45

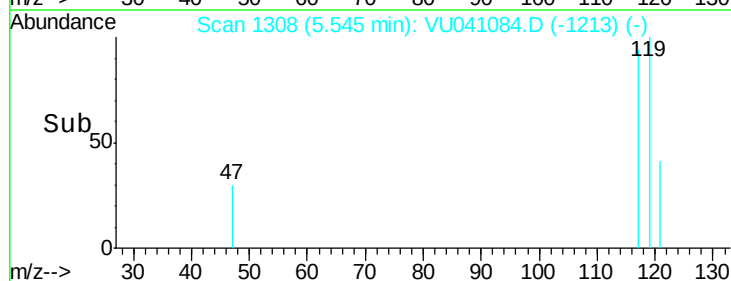
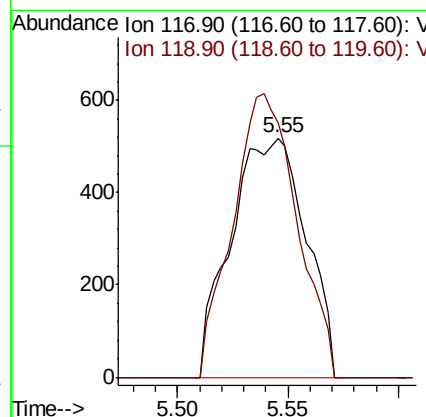
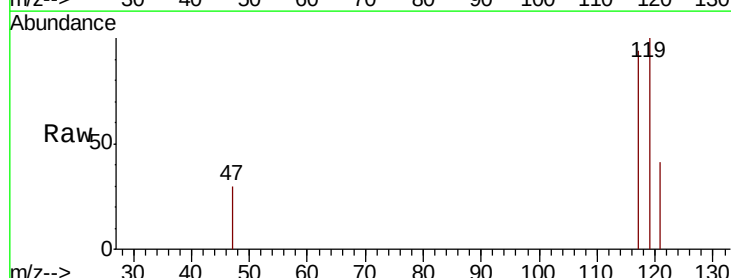
Instrument :
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 ClientSampleID :
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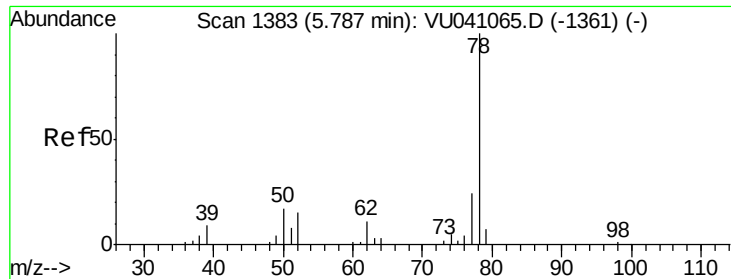
Tot Ion: 62.00 Resp: 336
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#31
 Carbon tetrachloride
 Concen: 0.207 ug/L
 RT: 5.55 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VU041084.D
 Acq: 03 Nov 2020 17:45

Tgt Ion: 117 Resp: 1217
 Ion Ratio Lower Upper
 117 100
 119 101.9 76.1 114.1

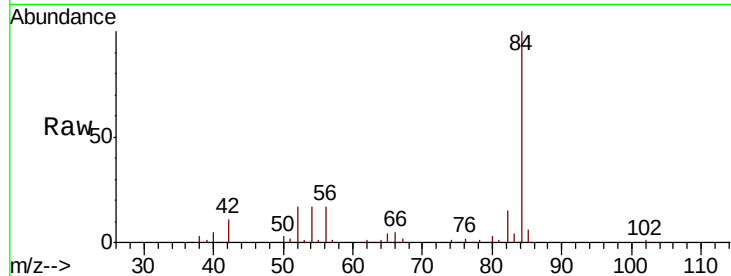




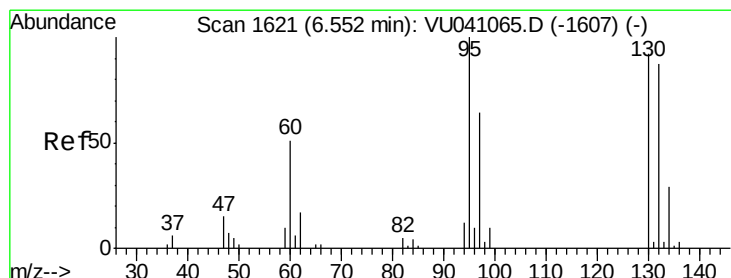
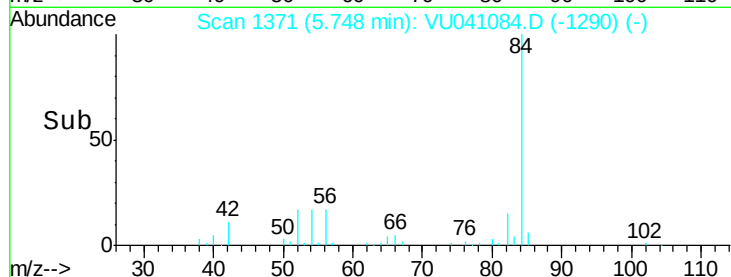
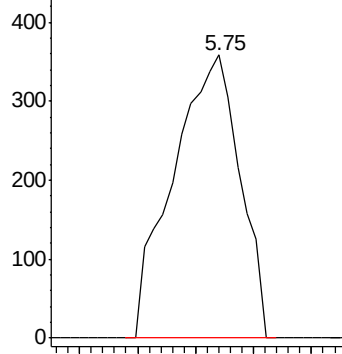
#33
Benzene
Concen: 0.035 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.04 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
C0AA1

Tgt Ion: 78 Resp: 573



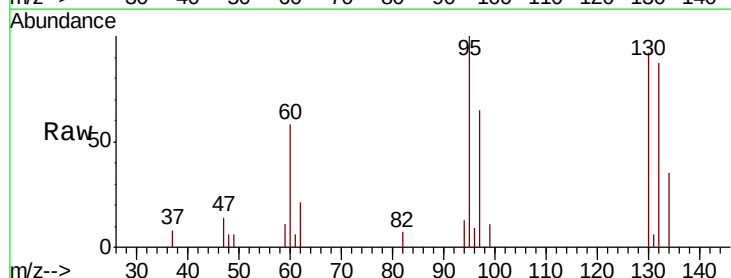
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.847 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

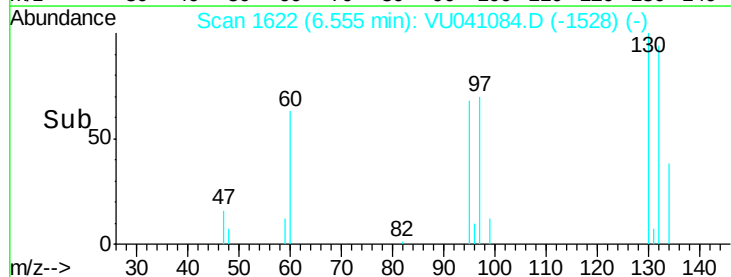
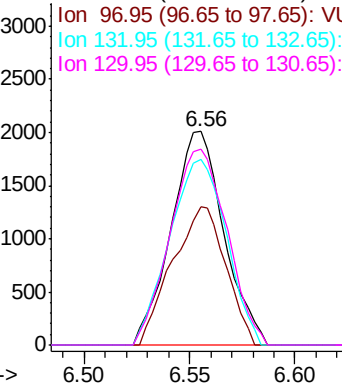
Tgt Ion: 95 Resp: 3501

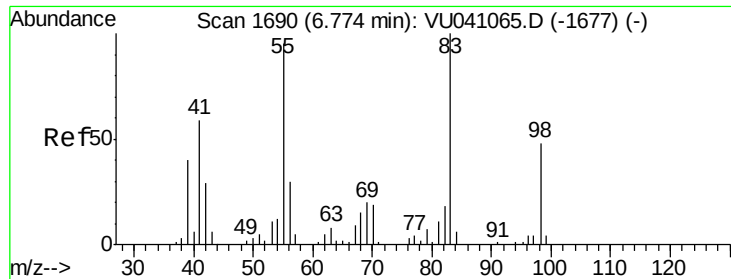
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	86.7	64.8	120.4
130	92.0	64.8	120.4



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

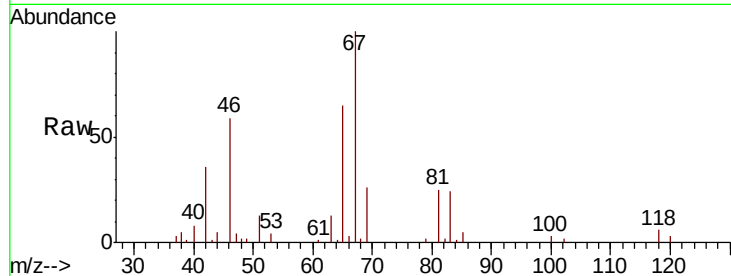




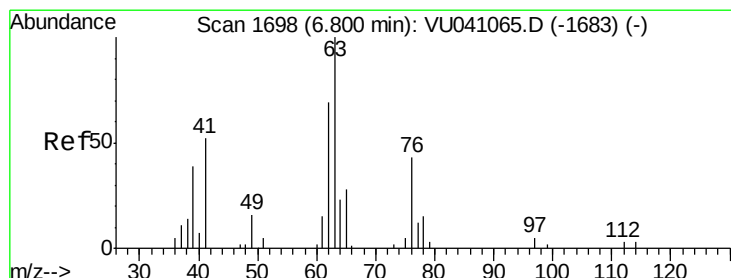
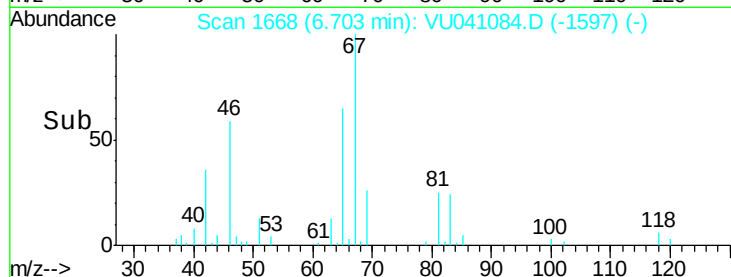
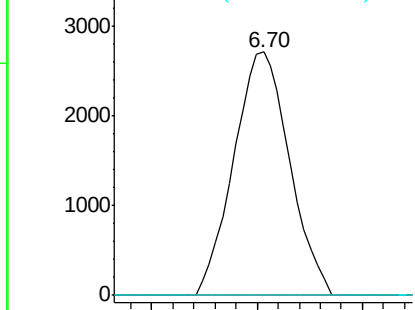
#35
Methylvlcyclohexane
Concen: 0.807 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
C0AA1

Tot Ion: 83 Resp: 4976
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.3 36.6 55.0#

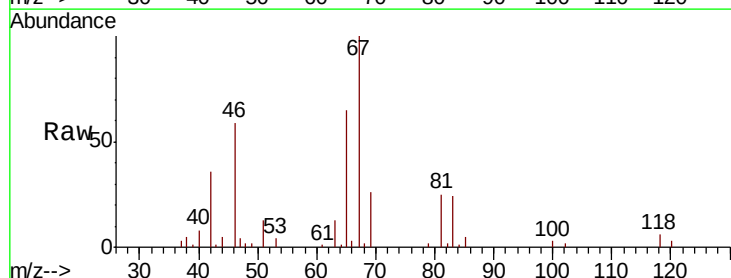


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

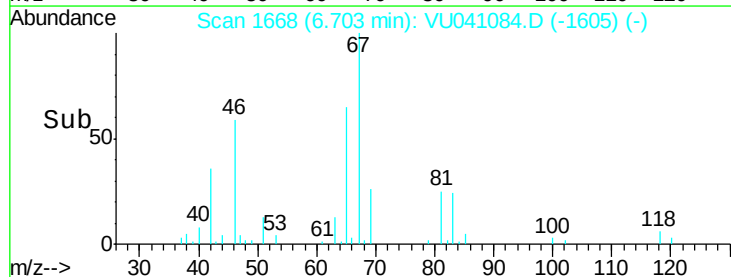
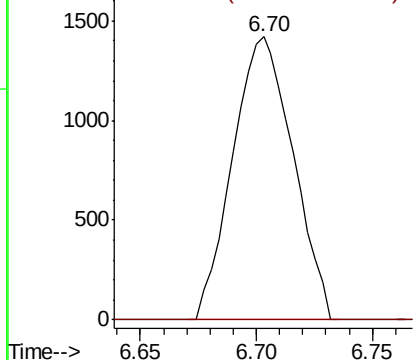


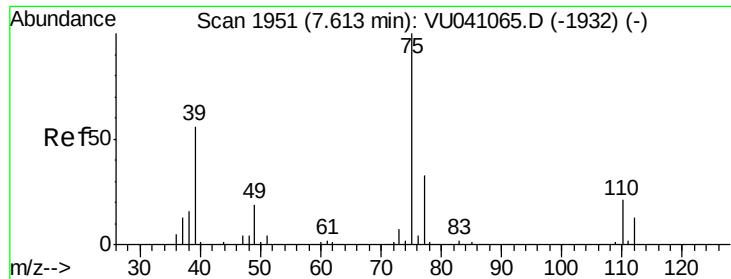
#37
1,2-Dichloropropane
Concen: 0.583 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

Tgt Ion: 63 Resp: 2565
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

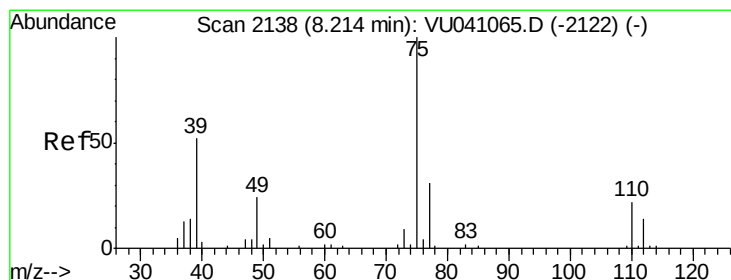
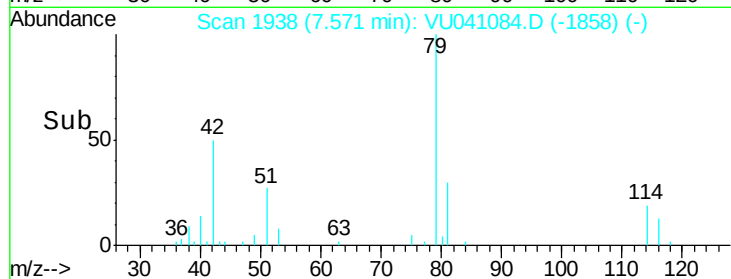
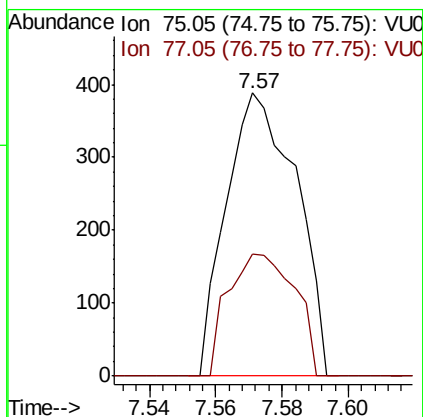
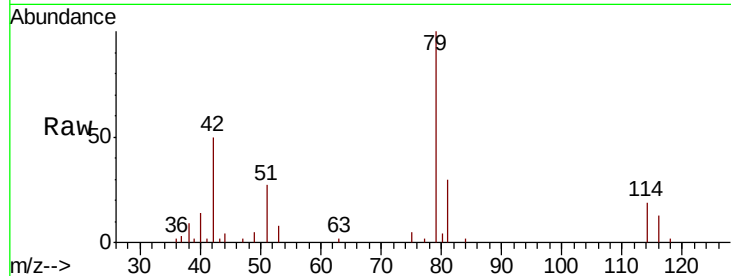




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041084.D
 Acq: 03 Nov 2020 17:45

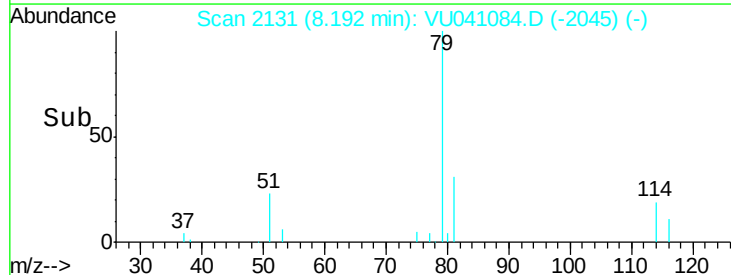
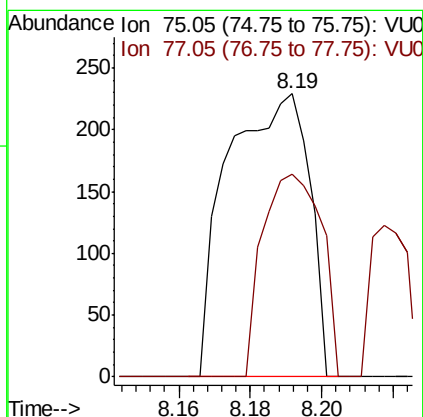
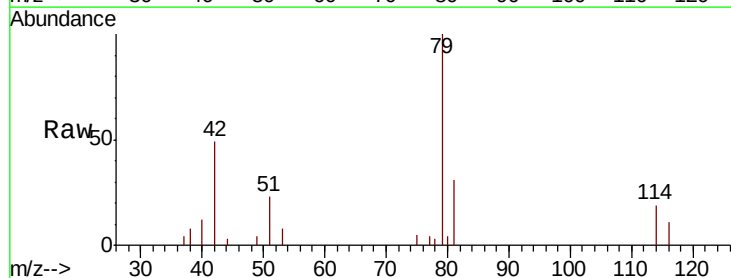
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA1

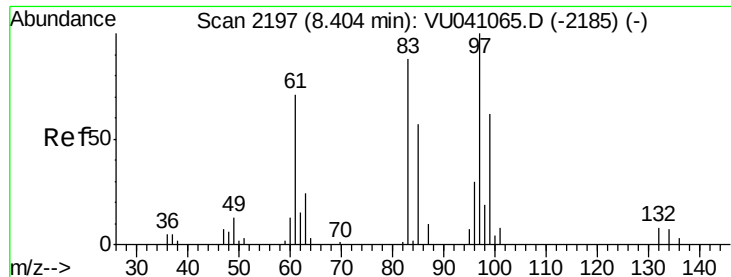
Tot Ion: 75 Resp: 569
 Ion Ratio Lower Upper
 75 100
 77 43.0 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.064 ug/L
 RT: 8.19 min Scan# 2131
 Delta R.T. -0.02 min
 Lab File: VU041084.D
 Acq: 03 Nov 2020 17:45

Tgt Ion: 75 Resp: 361
 Ion Ratio Lower Upper
 75 100
 77 71.6 23.3 43.3#

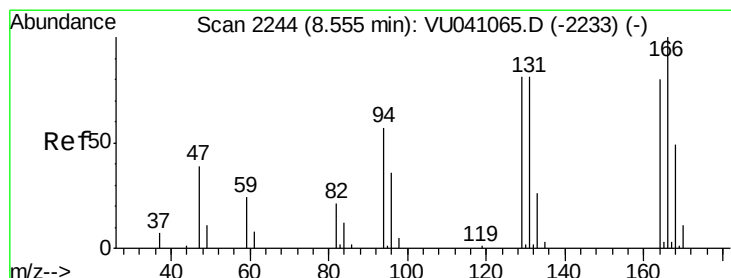
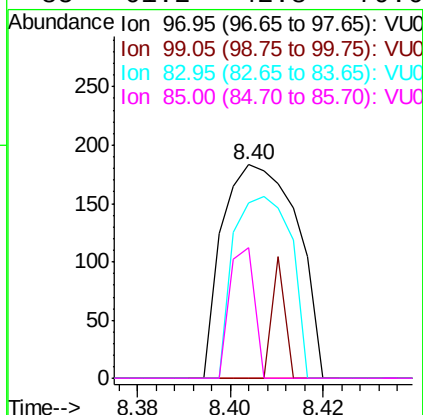
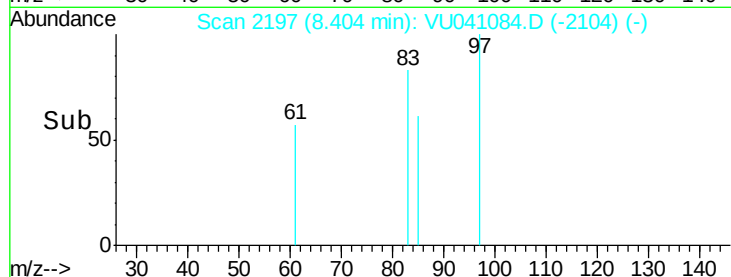
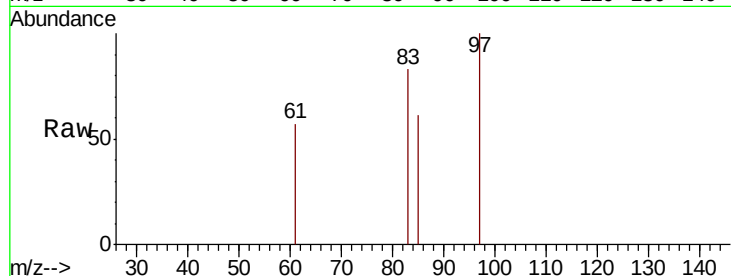




#45
1,1,2-Trichloroethane
Concen: 0.063 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

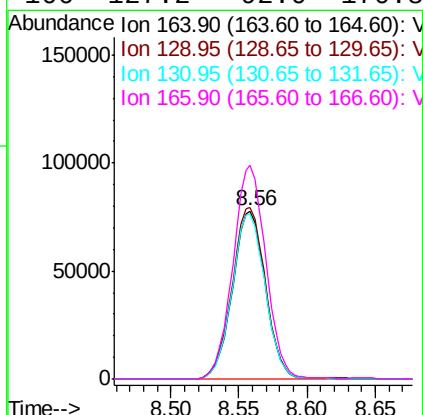
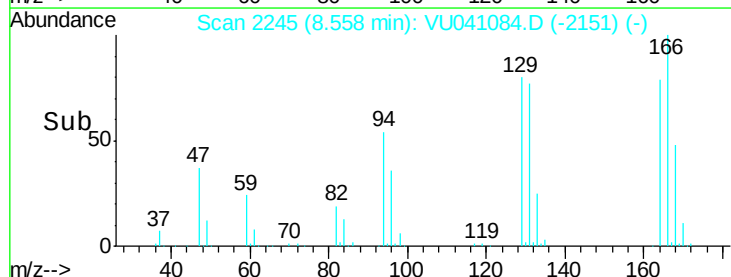
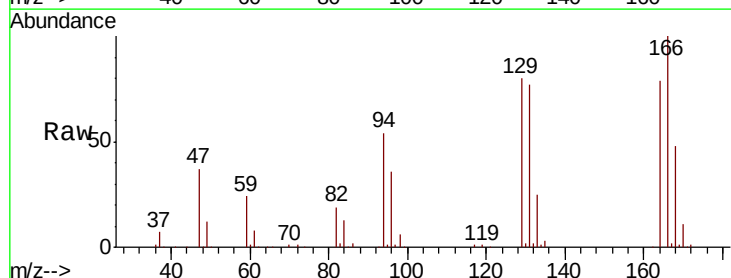
Instrument :
MSVOA_U
ClientSampled :
C0AA1

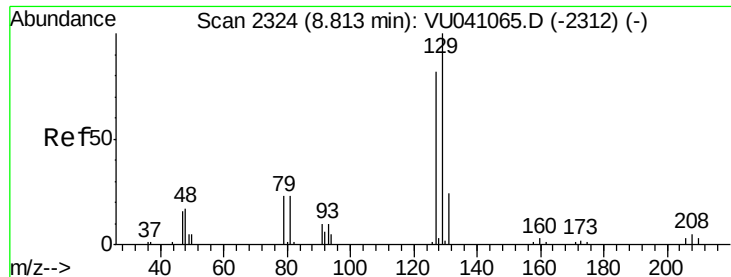
Tot Ion: 97 Resp: 206
Ion Ratio Lower Upper
97 100
99 0.0 45.8 85.2#
83 82.5 67.9 126.1
85 61.2 42.8 79.6



#47
Tetrachloroethene
Concen: 42.832 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041084.D
Acq: 03 Nov 2020 17:45

Tgt Ion: 164 Resp: 130254
Ion Ratio Lower Upper
164 100
129 102.2 70.3 130.7
131 98.2 70.8 131.4
166 127.2 92.0 170.8





#49

Dibromochloromethane

Concen: 35.132 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041084.D

Acq: 03 Nov 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

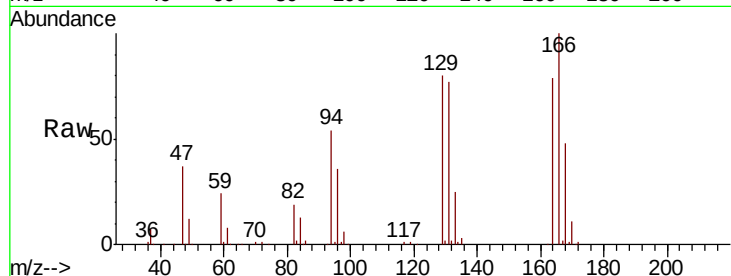
C0AA1

Tot Ion:129 Resp: 133555

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

80000

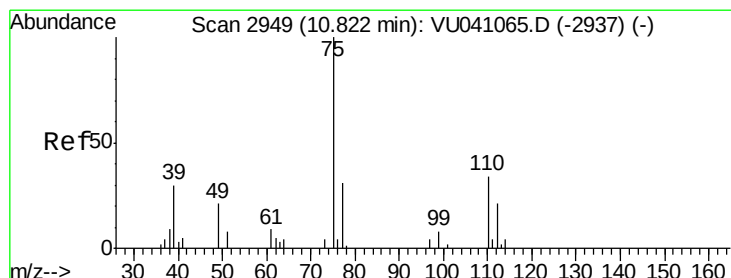
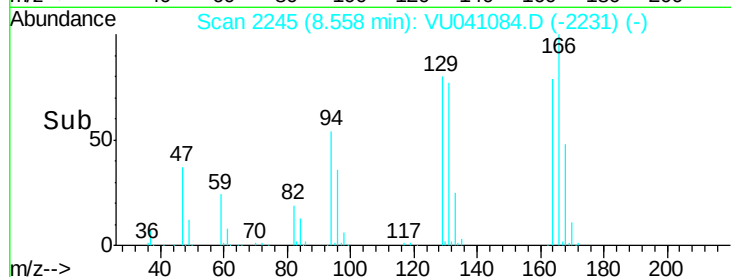
60000

40000

20000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.985 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041084.D

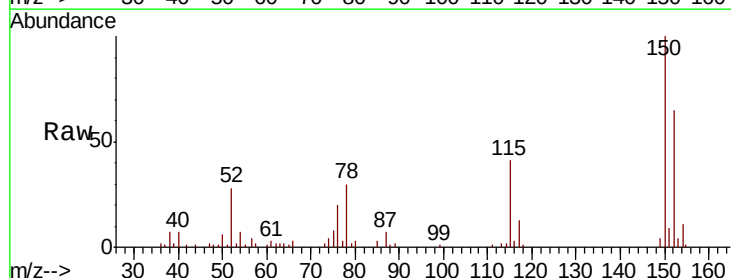
Acq: 03 Nov 2020 17:45

Tgt Ion: 75 Resp: 3229

Ion Ratio Lower Upper

75 100

77 34.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

2000

1500

1000

500

0

Time-->

