

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042001.D
 Acq On : 13 Jan 2021 23:52
 Operator : SY/MD
 Sample : M1065-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:47:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 02:46:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	121691	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	49168	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	42822	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.919	69	43624	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.578	63	65714	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.655	46	153614	49.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.70%
24) Chloroform-d	5.079	84	88903	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.716	65	50042	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.742	84	165818	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.700	67	57595	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.906	98	126017	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloroprop...	8.185	79	19677	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.642	63	108445	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	46958	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.60%
64) 1,2-Dichlorobenzene-d4	12.192	152	49586	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	1052	0.07	ug/L	99
9) Trichlorofluoromethane	2.144	101	3077	0.17	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	535	0.05	ug/L #	33
12) 1,1-Dichloroethene	2.584	96	828	0.09	ug/L #	1
13) Acetone	2.655	43	2220	1.15	ug/L	53
17) Methyl tert-butyl Ether	3.375	73	3075	0.12	ug/L	98
19) 1,1-Dichloroethane	3.886	63	810	0.04	ug/L #	49
22) cis-1,2-Dichloroethene	4.687	96	7769	0.77	ug/L	87
25) Chloroform	5.108	83	2802	0.15	ug/L	89
31) Carbon tetrachloride	5.542	117	605	0.05	ug/L	85
34) Trichloroethene	6.552	95	246600	26.71	ug/L	97
35) Methylcyclohexane	6.700	83	13435	0.92	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6550	0.68	ug/L #	90
39) cis-1,3-Dichloropropene	7.568	75	1271	0.09	ug/L #	72
44) trans-1,3-Dichloropropene	8.182	75	953	0.08	ug/L #	61
47) Tetrachloroethene	8.555	164	29355	4.91	ug/L	92
49) Dibromochloromethane	8.555	129	29523	4.00	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	6214	0.98	ug/L	98

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QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

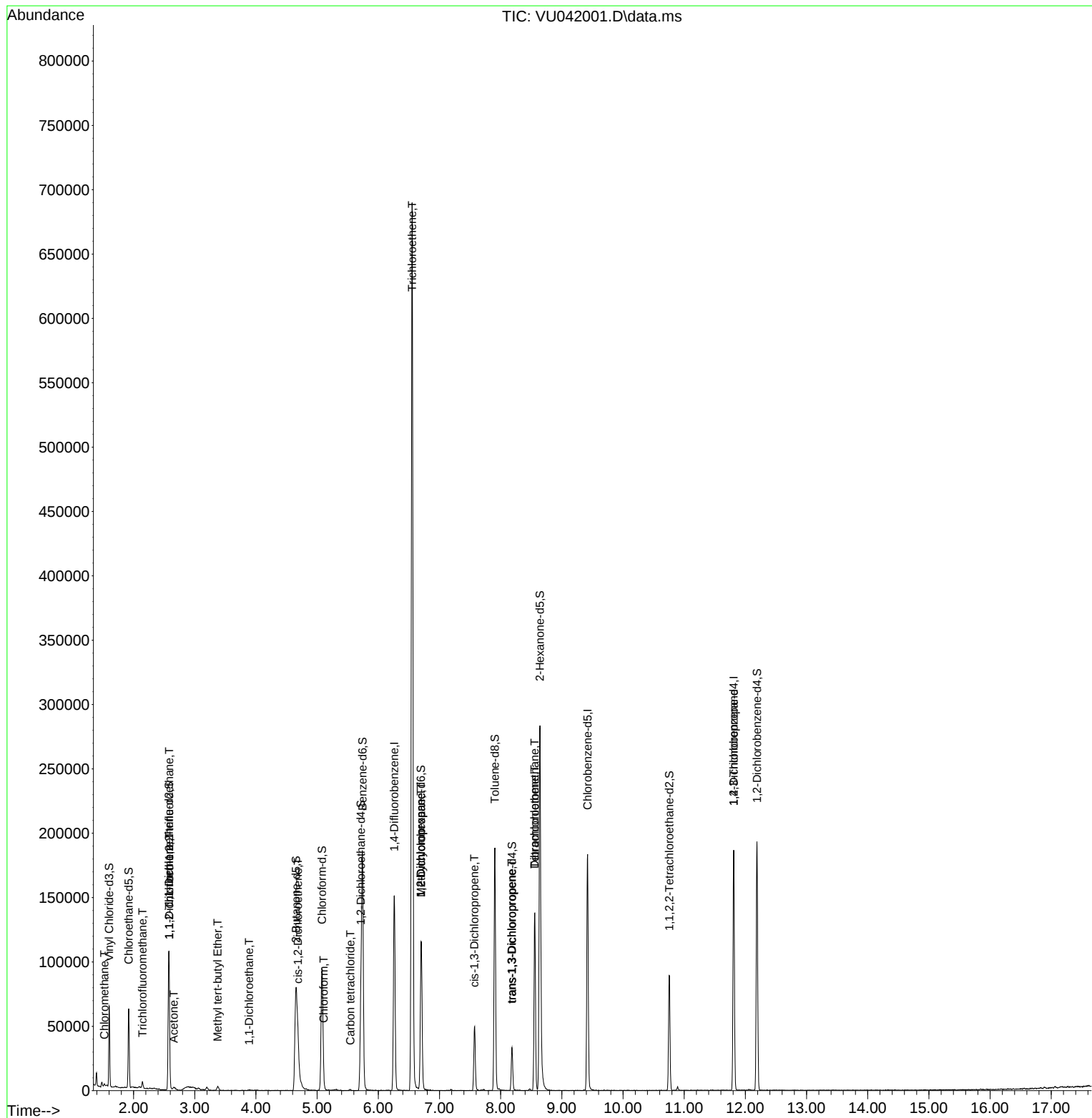
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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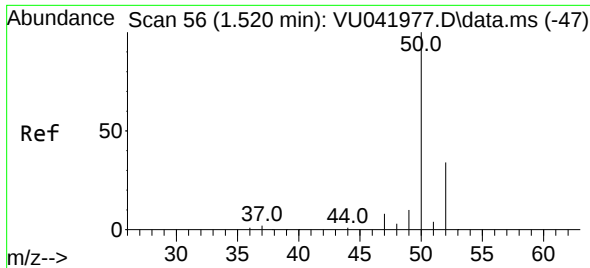
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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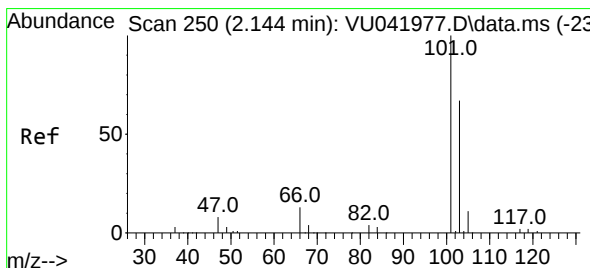
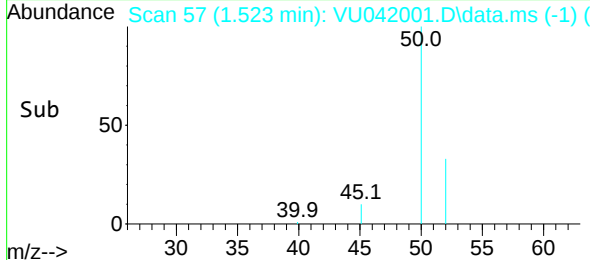
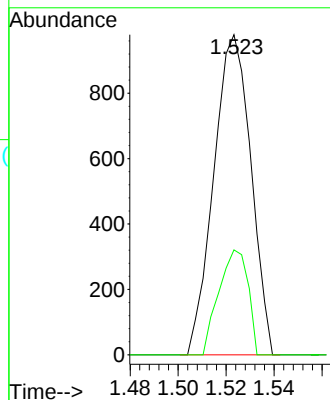
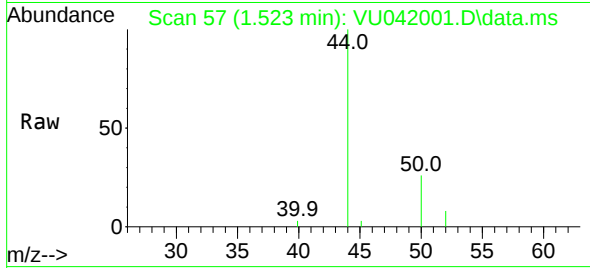




#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

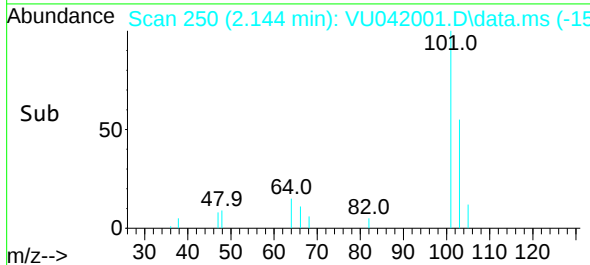
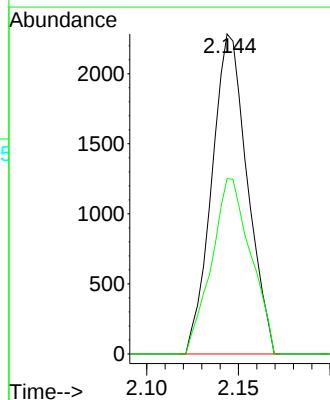
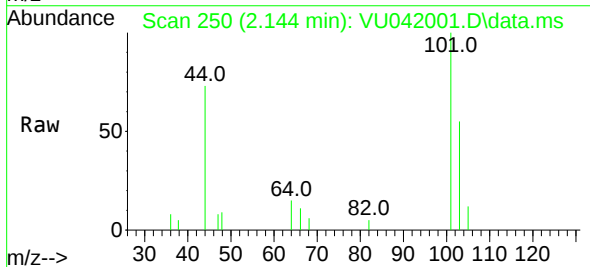
Instrument :
MSVOA_U
ClientSampled :

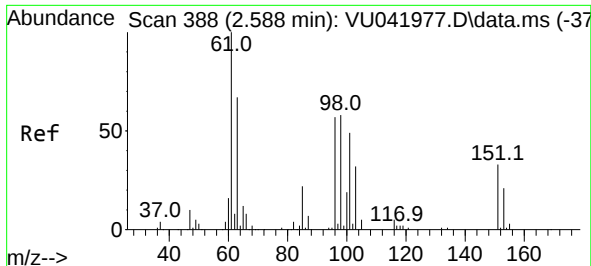
Tgt Ion: 50 Resp: 1052
Ion Ratio Lower Upper
50 100
52 32.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 0.17 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

Tgt Ion: 101 Resp: 3077
Ion Ratio Lower Upper
101 100
103 60.3 51.6 77.4

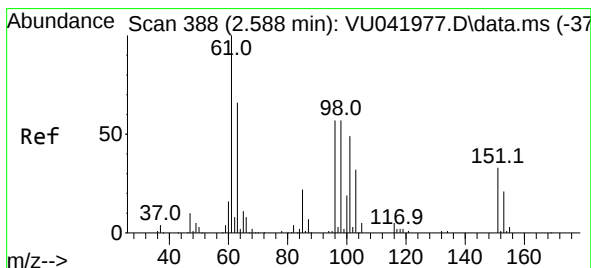
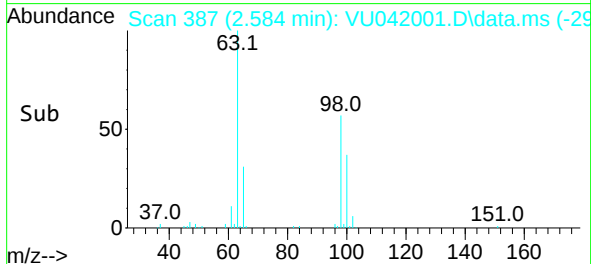
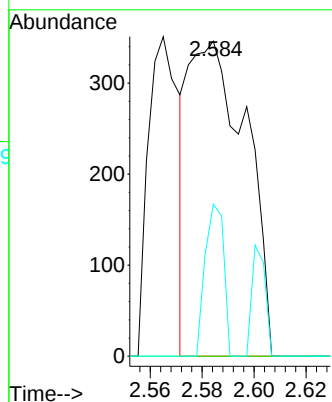
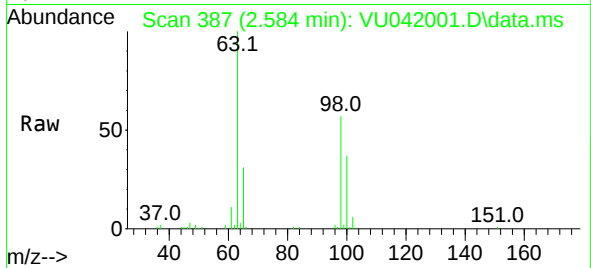




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.007 min
 Lab File: VU042001.D
 Acq: 13 Jan 2021 23:52

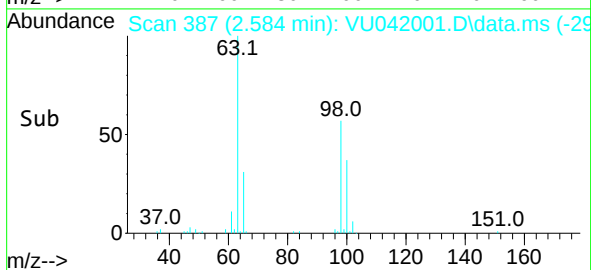
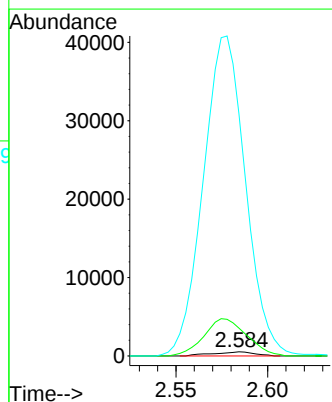
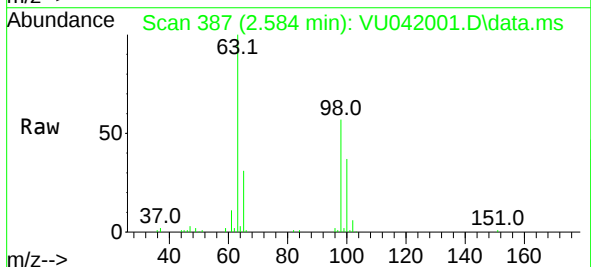
Instrument :
 MSVOA_U
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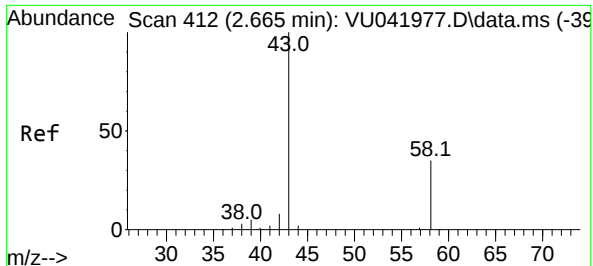
Tgt Ion:101 Resp: 535
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.9 53.9#
 151 15.5 55.4 83.2#



#12
 1,1-Dichloroethene
 Concen: 0.09 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU042001.D
 Acq: 13 Jan 2021 23:52

Tgt Ion: 96 Resp: 828
 Ion Ratio Lower Upper
 96 100
 61 679.9 122.2 226.9#
 63 5923.4 82.8 153.8#

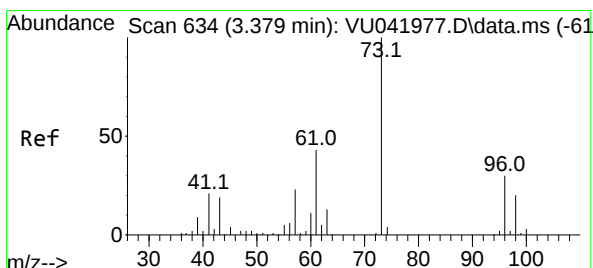
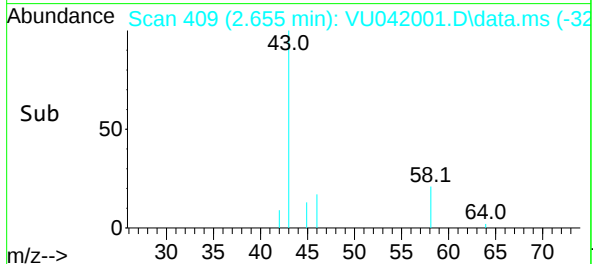
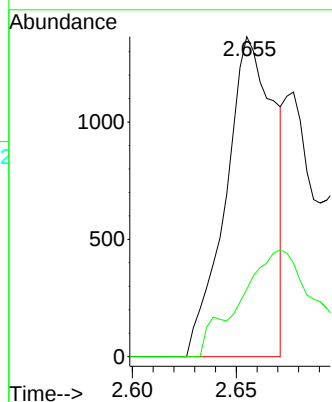
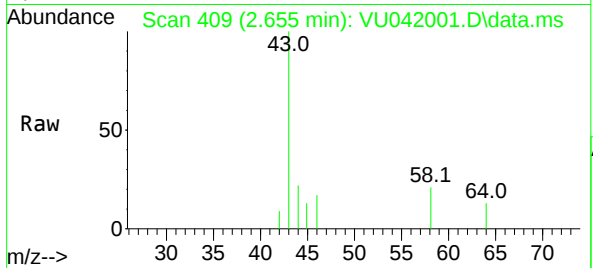




#13
Acetone
Concen: 1.15 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.016 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

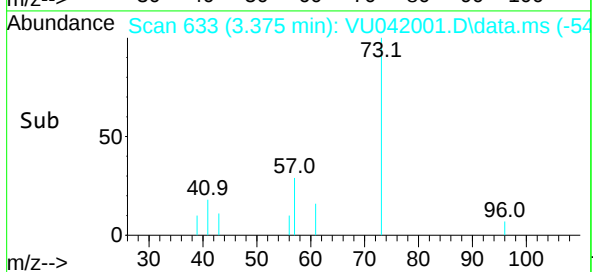
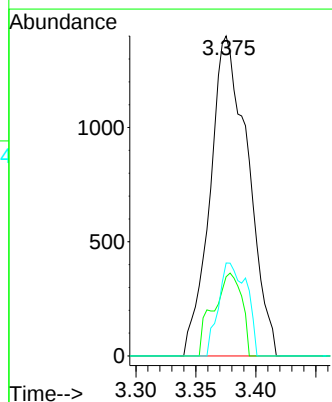
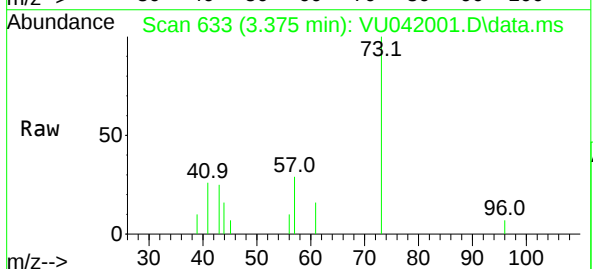
Instrument :
MSVOA_U
ClientSampled :

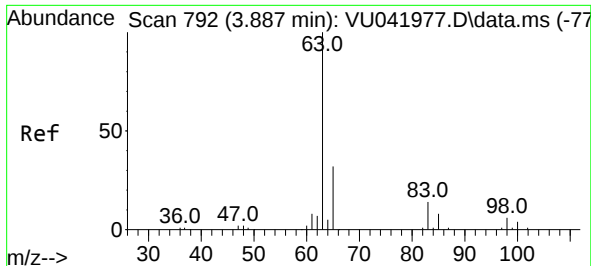
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 53.6 0.0 57.4



#17
Methyl tert-butyl Ether
Concen: 0.12 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.003 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

Tgt Ion: 73 Resp: 3075
Ion Ratio Lower Upper
73 100
43 19.3 15.1 22.7
57 21.4 18.0 27.0





#19

1,1-Dichloroethane

Concen: 0.04 ug/L

RT: 3.886 min Scan# 792

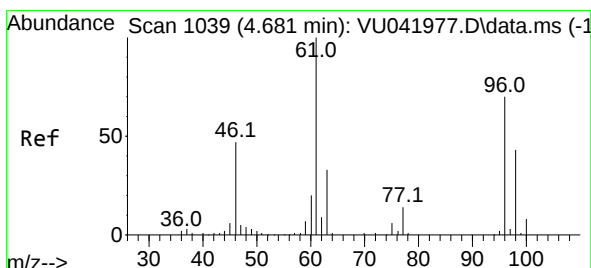
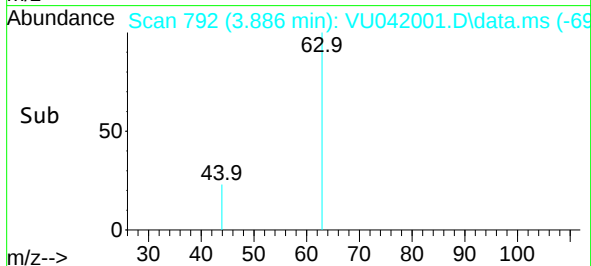
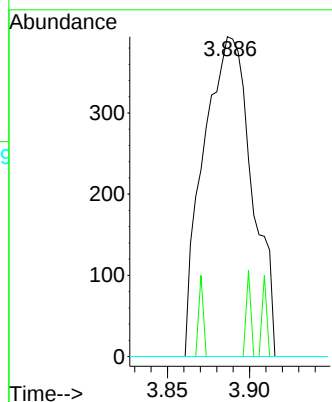
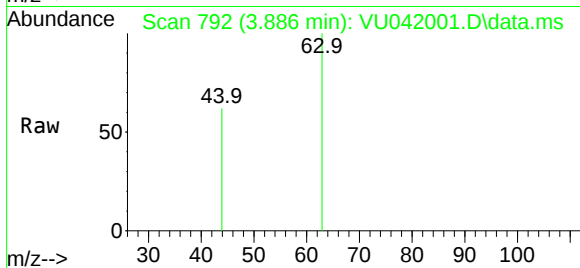
Delta R.T. -0.000 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

Tgt Ion:	63	Resp:	810
Ion	Ratio	Lower	Upper
63	100		
65	0.0	22.7	42.1#
83	0.0	9.4	17.6#

Instrument :
MSVOA_U
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 0.77 ug/L

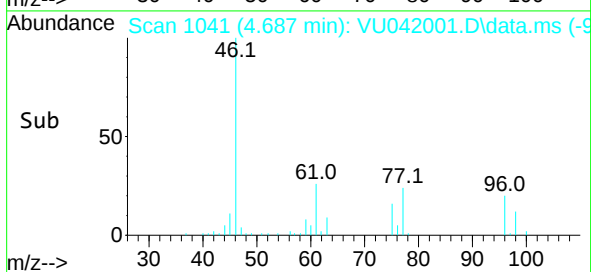
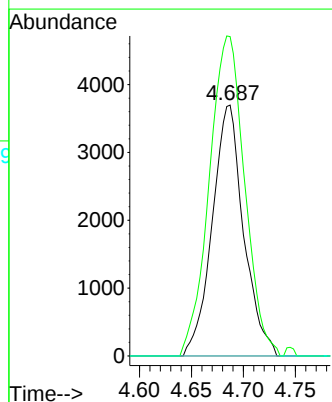
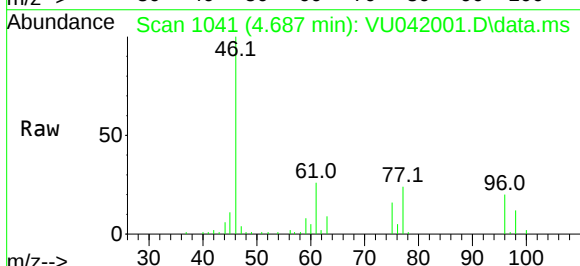
RT: 4.687 min Scan# 1041

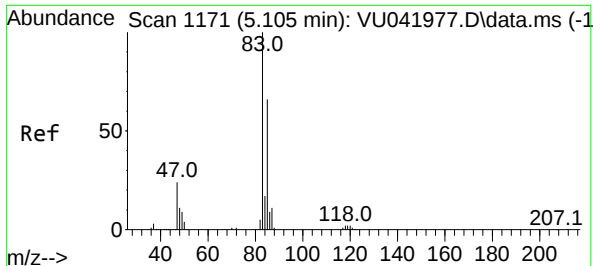
Delta R.T. 0.006 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

Tgt Ion:	96	Resp:	7769
Ion	Ratio	Lower	Upper
96	100		
61	127.3	100.3	186.3
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.15 ug/L

RT: 5.108 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU042001.D

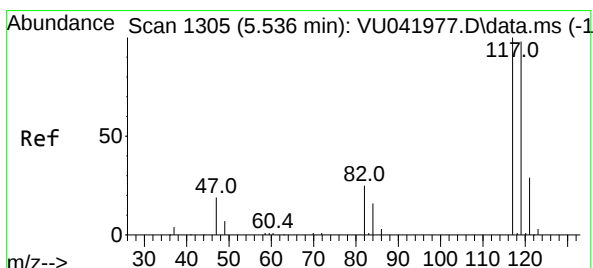
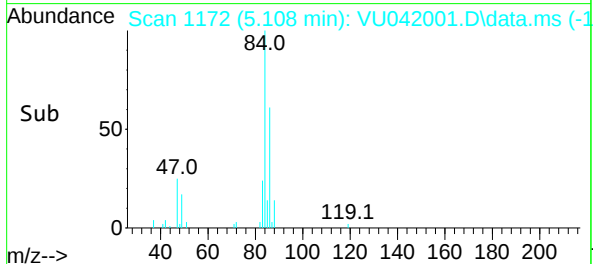
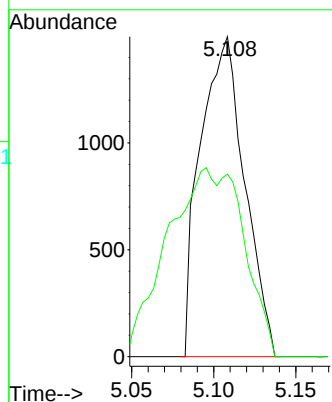
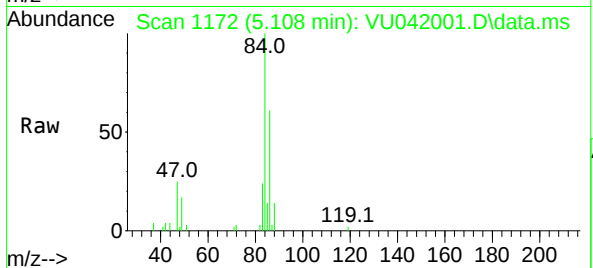
Acq: 13 Jan 2021 23:52

Tgt Ion: 83 Resp: 2802

Ion Ratio Lower Upper

83 100

85 57.0 46.1 85.7



#31

Carbon tetrachloride

Concen: 0.05 ug/L

RT: 5.542 min Scan# 1307

Delta R.T. 0.003 min

Lab File: VU042001.D

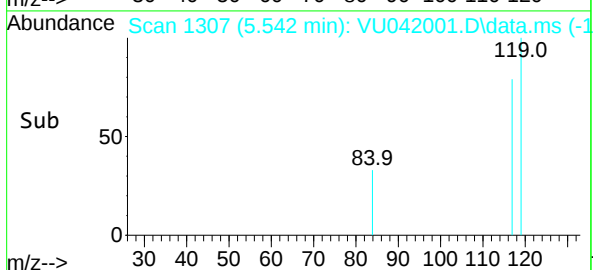
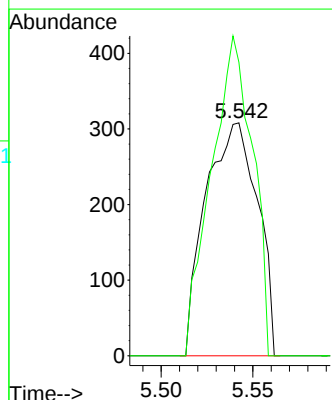
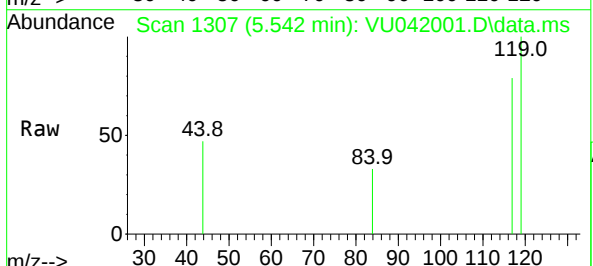
Acq: 13 Jan 2021 23:52

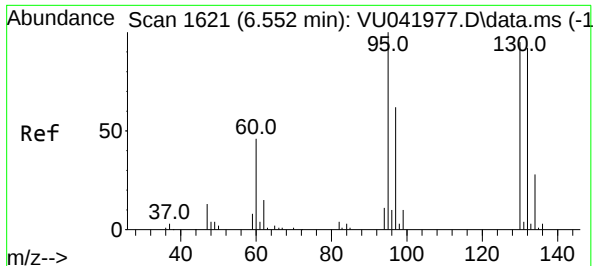
Tgt Ion: 117 Resp: 605

Ion Ratio Lower Upper

117 100

119 109.9 76.6 114.8





#34

Trichloroethene

Concen: 26.71 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

Tgt Ion: 95 Resp: 246600

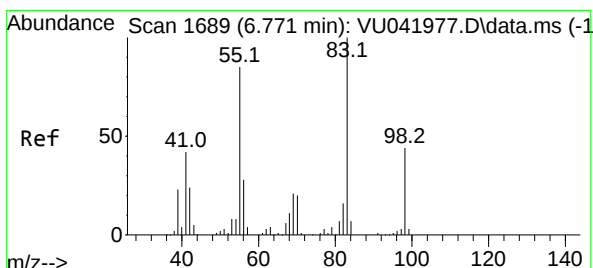
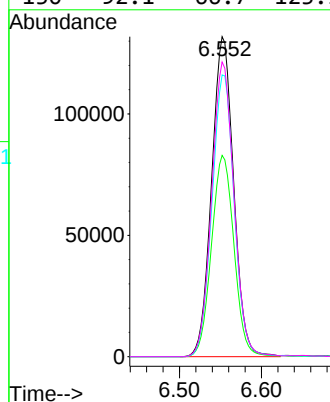
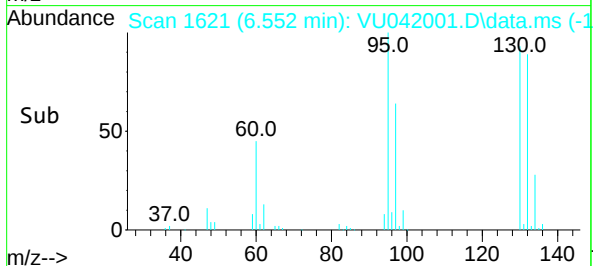
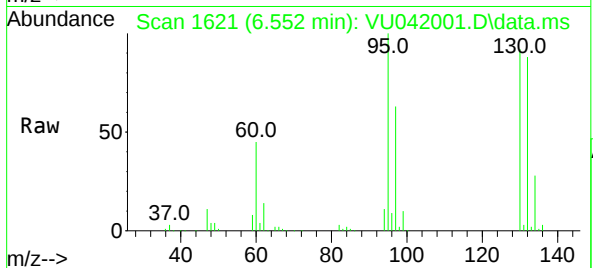
Ion Ratio Lower Upper

95 100

97 62.9 43.6 81.0

132 88.1 64.3 119.3

130 92.1 66.7 123.9



#35

Methylcyclohexane

Concen: 0.92 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.074 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

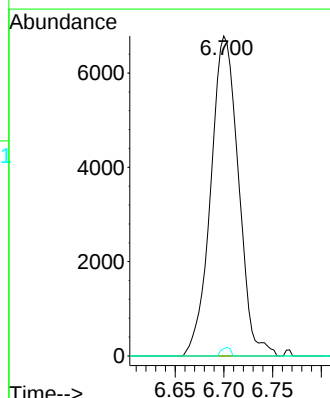
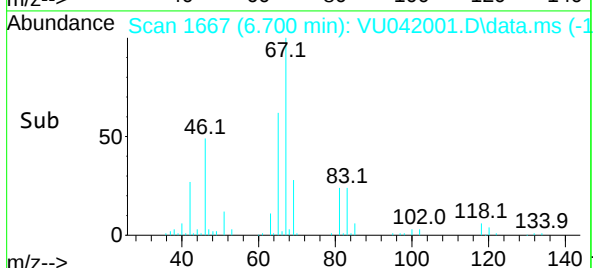
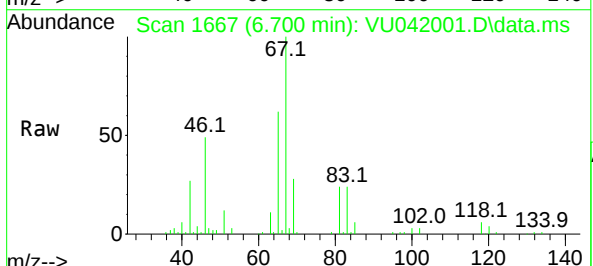
Tgt Ion: 83 Resp: 13435

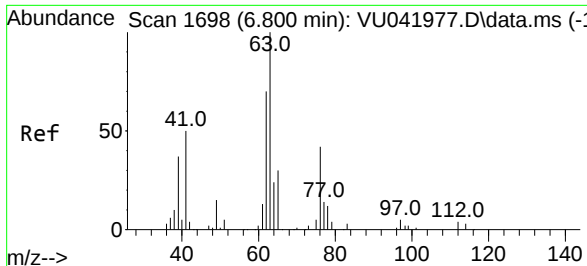
Ion Ratio Lower Upper

83 100

55 0.0 66.8 100.2#

98 0.0 35.7 53.5#



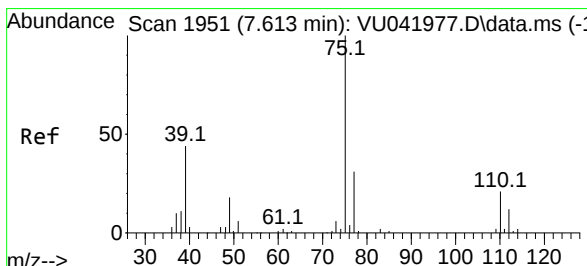
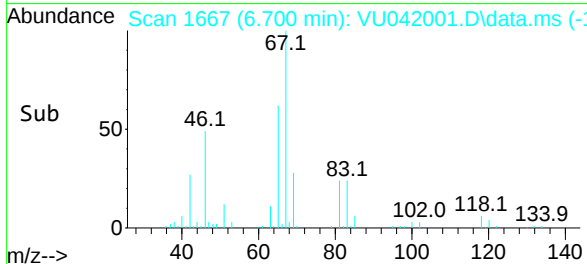
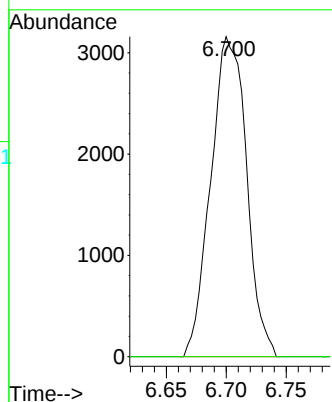
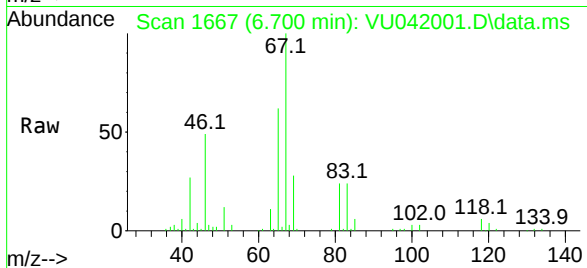


#37

1,2-Dichloropropane
Concen: 0.68 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

Instrument :
MSVOA_U
ClientSampled :

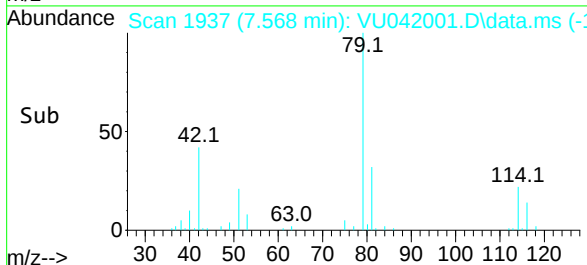
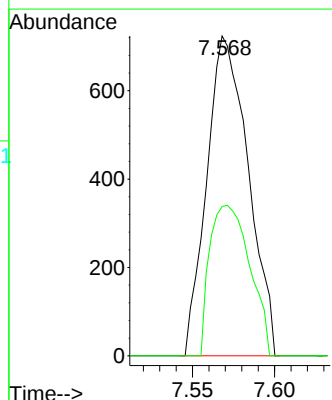
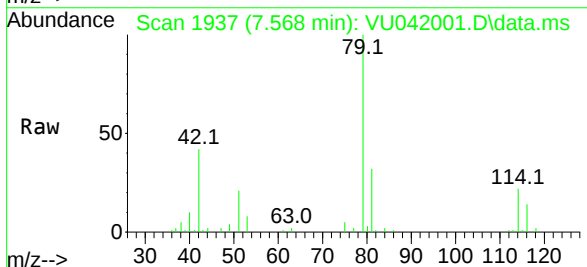
Tgt Ion: 63 Resp: 6550
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

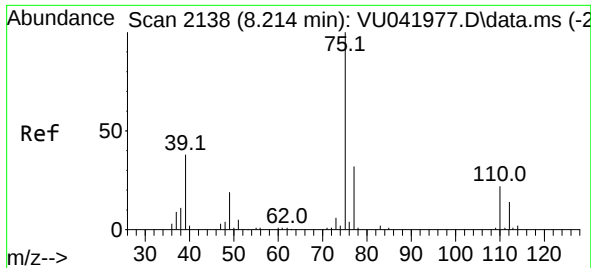


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

Tgt Ion: 75 Resp: 1271
Ion Ratio Lower Upper
75 100
77 46.7 21.9 40.7#

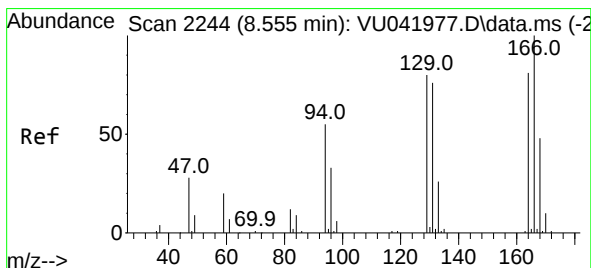
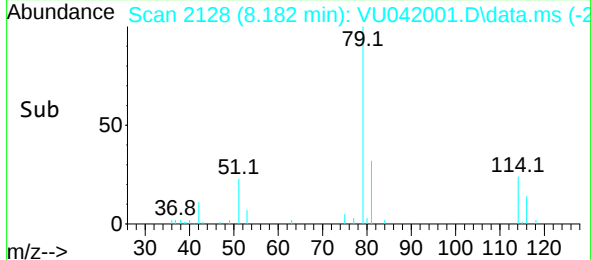
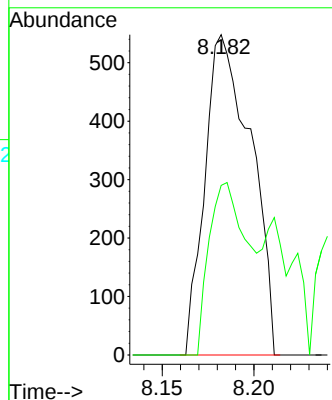
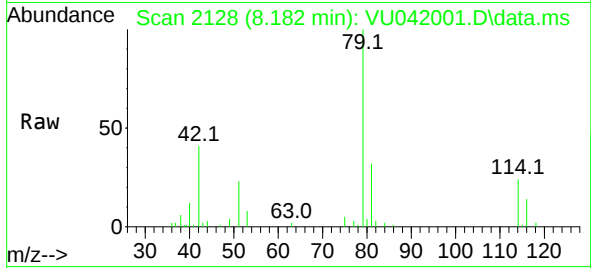




#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.036 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

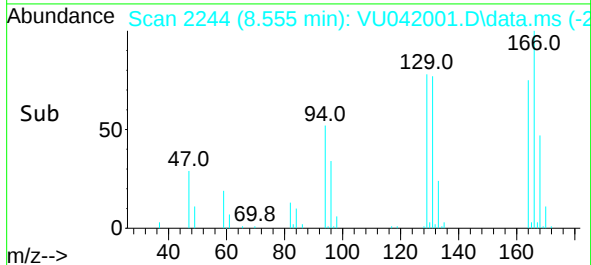
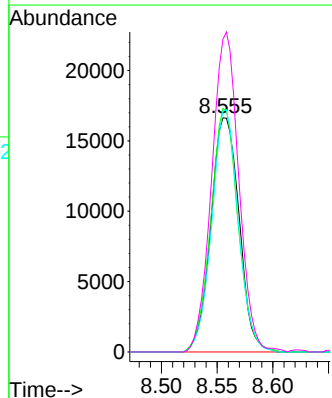
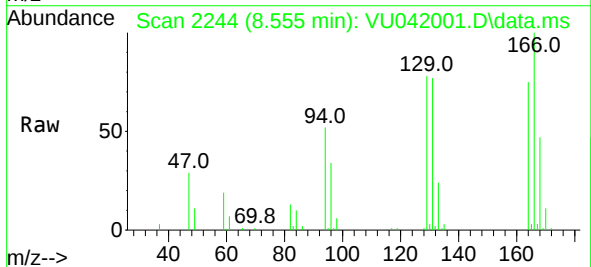
Instrument :
MSVOA_U
ClientSampled :

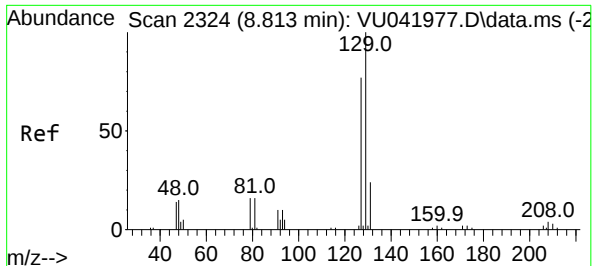
Tgt Ion: 75 Resp: 953
Ion Ratio Lower Upper
75 100
77 52.9 22.0 41.0#



#47
Tetrachloroethene
Concen: 4.91 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042001.D
Acq: 13 Jan 2021 23:52

Tgt Ion: 164 Resp: 29355
Ion Ratio Lower Upper
164 100
129 104.0 68.7 127.5
131 102.8 65.2 121.0
166 133.5 86.2 160.0





#49

Dibromochloromethane

Concen: 4.00 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

Tgt Ion:129 Resp: 29523

Ion Ratio Lower Upper

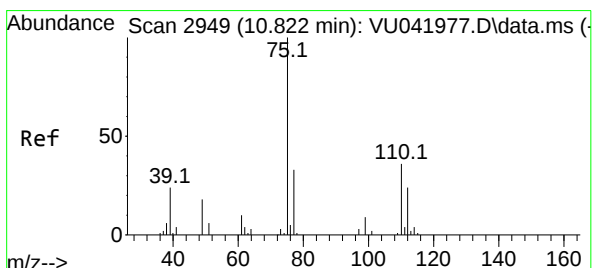
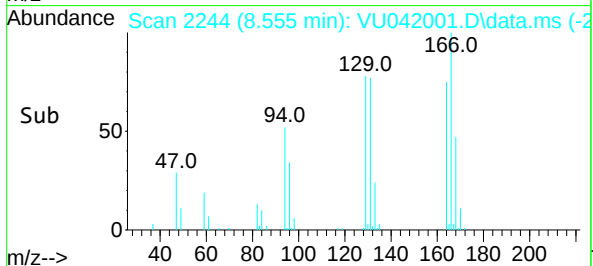
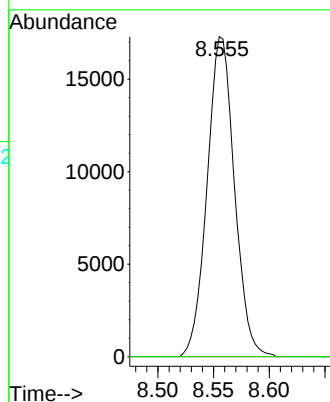
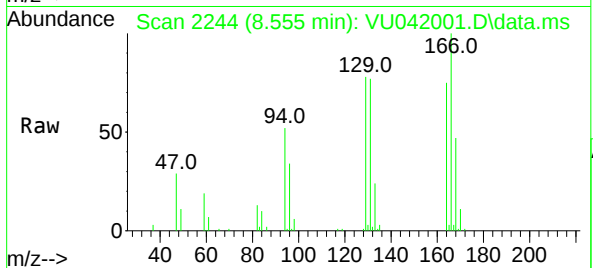
129 100

127 0.0 53.7 99.7#

Instrument :

MSVOA_U

ClientSampleId :



#59

1,2,3-Trichloropropane

Concen: 0.98 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042001.D

Acq: 13 Jan 2021 23:52

Tgt Ion: 75 Resp: 6214

Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

