

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042009.D
 Acq On : 14 Jan 2021 03:04
 Operator : SY/MD
 Sample : M1065-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:50:29 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	6.260	114	110461	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	104710	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	46168	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	39830	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.919	69	41229	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.578	63	68363	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.652	46	172028	61.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.00%
24) Chloroform-d	5.079	84	88824	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.716	65	54326	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
32) Benzene-d6	5.742	84	180321	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.700	67	54542	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.903	98	140310	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloroprop...	8.185	79	21619	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.639	63	142719	62.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.78%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	45535	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.189	152	47922	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	11493	1.13	ug/L	96
3) Chloromethane	1.523	50	2073	0.16	ug/L	97
9) Trichlorofluoromethane	2.144	101	1499	0.09	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	3465	0.39	ug/L #	80
12) 1,1-Dichloroethene	2.591	96	13051	1.50	ug/L #	53
13) Acetone	2.662	43	27830	15.92	ug/L	90
17) Methyl tert-butyl Ether	3.375	73	10874	0.48	ug/L	97
19) 1,1-Dichloroethane	3.890	63	21902	1.27	ug/L	96
22) cis-1,2-Dichloroethene	4.687	96	24000	2.61	ug/L	95
25) Chloroform	5.105	83	9674	0.56	ug/L	97
27) 1,2-Dichloroethane	5.809	62	871	0.08	ug/L #	75
29) 1,1,1-Trichloroethane	5.327	97	1608	0.10	ug/L	94
31) Carbon tetrachloride	5.539	117	3257	0.25	ug/L	88
34) Trichloroethene	6.552	95	743357	76.74	ug/L	98
35) Methylcyclohexane	6.703	83	13058	0.85	ug/L #	16
37) 1,2-Dichloropropane	6.800	63	4711	0.47	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1264	0.08	ug/L #	55
47) Tetrachloroethene	8.558	164	182106	29.02	ug/L	96
49) Dibromochloromethane	8.558	129	184319	23.77	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

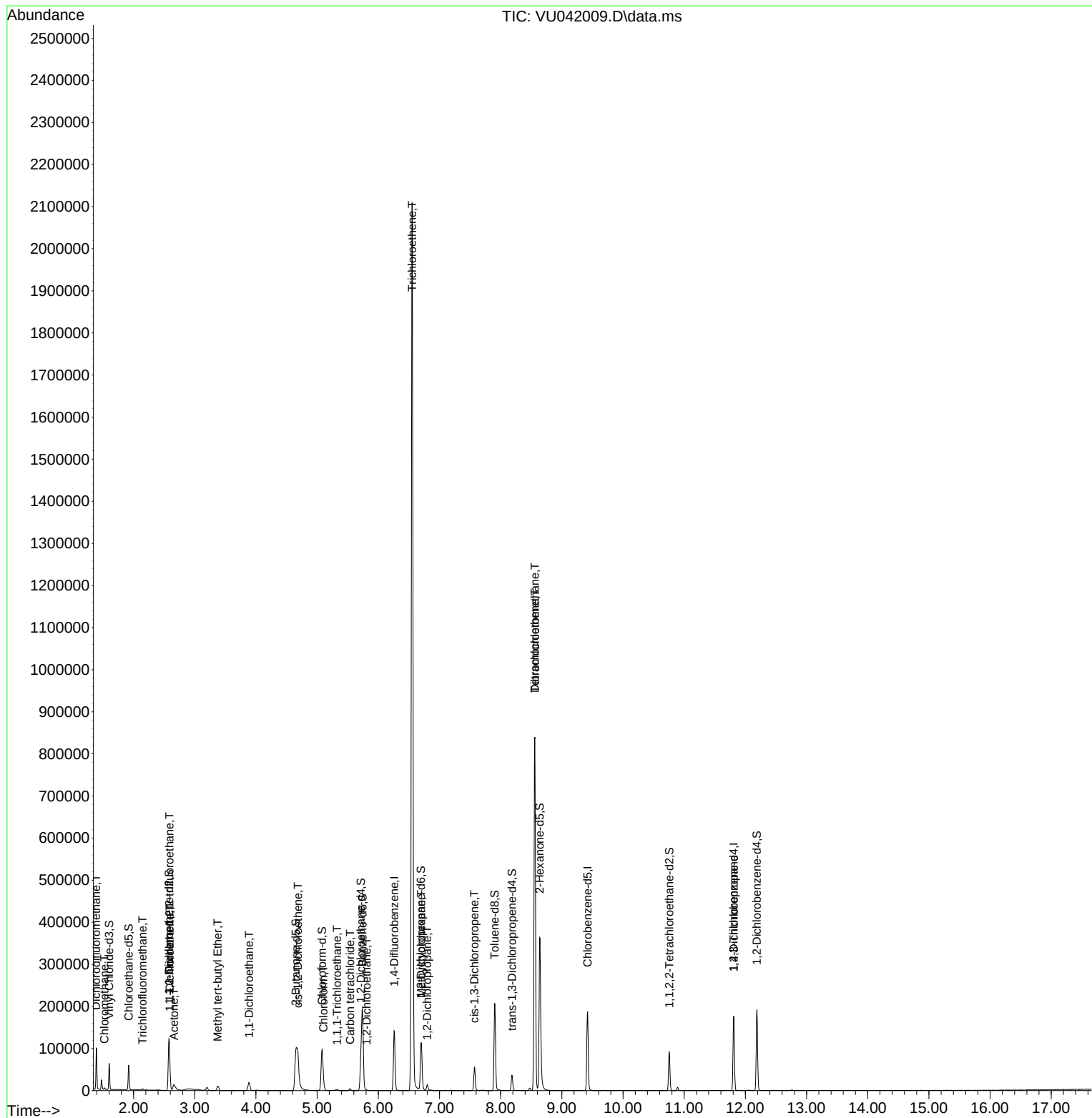
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	5122	0.77	ug/L	89

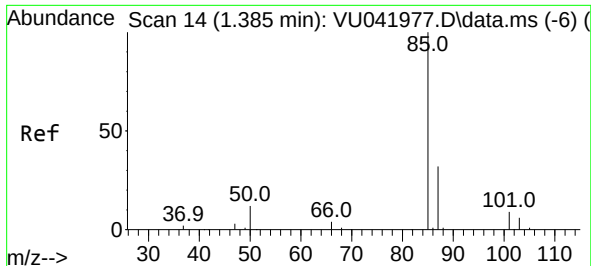
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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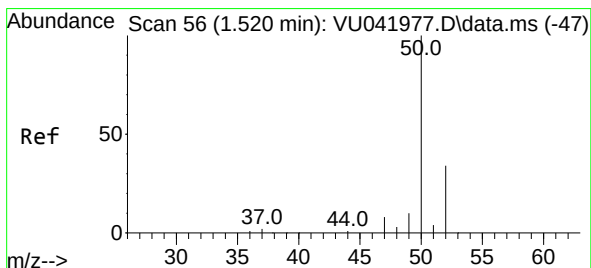
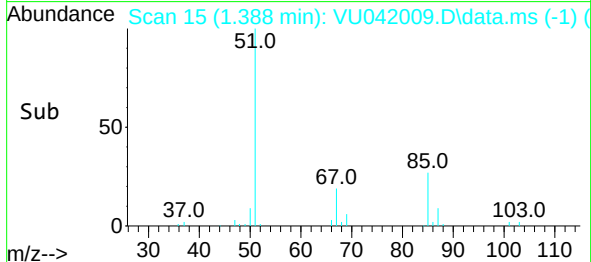
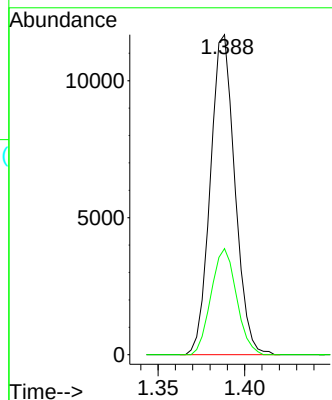
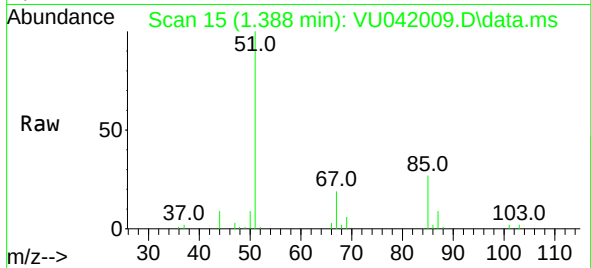




#2
Dichlorodifluoromethane
Concen: 1.13 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

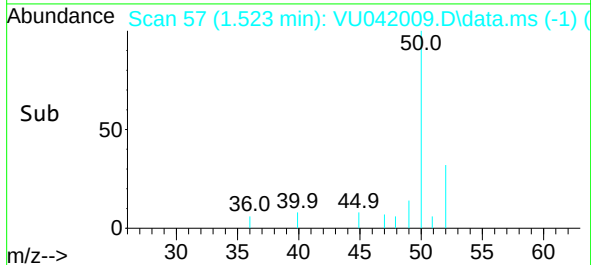
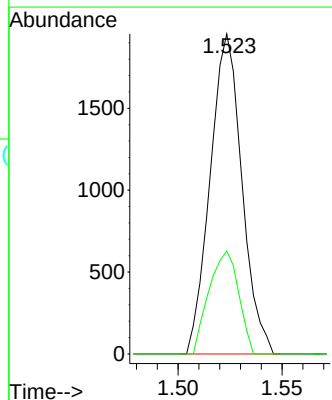
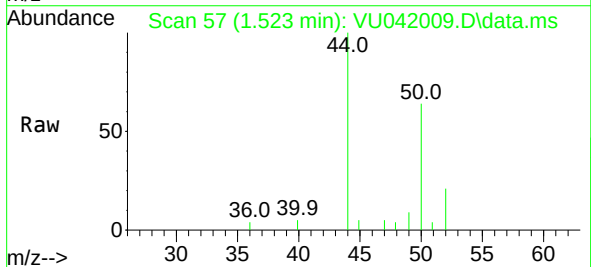
Instrument :
MSVOA_U
ClientSampled :

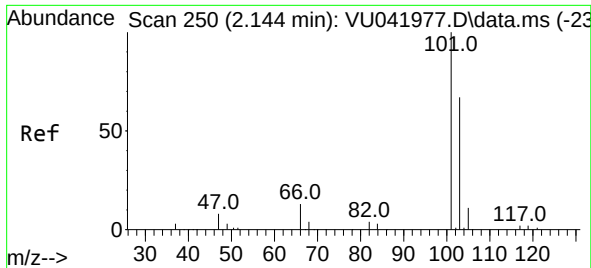
Tgt Ion: 85 Resp: 11493
Ion Ratio Lower Upper
85 100
87 34.3 25.7 38.5



#3
Chloromethane
Concen: 0.16 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 50 Resp: 2073
Ion Ratio Lower Upper
50 100
52 32.1 23.5 43.7

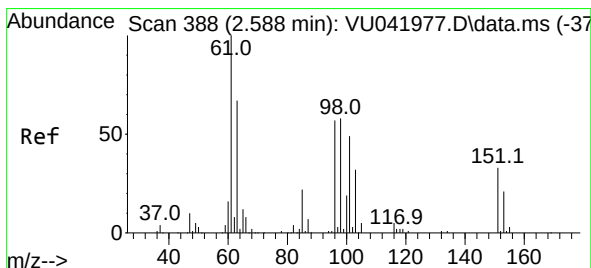
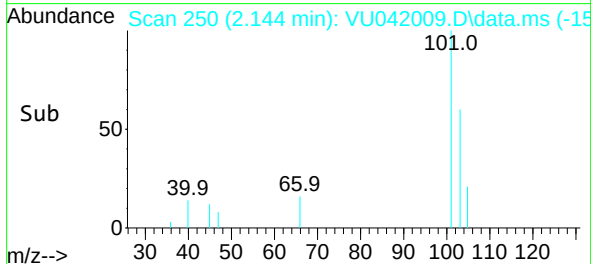
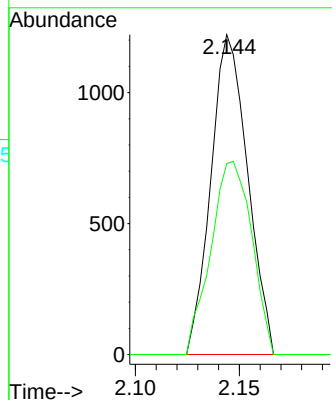
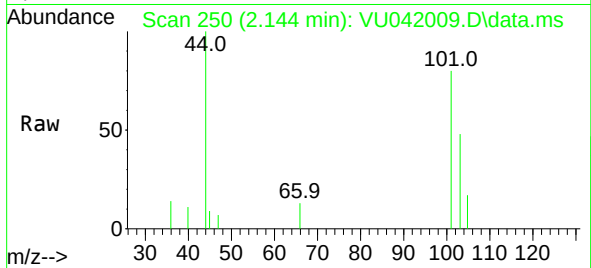




#9
 Trichlorofluoromethane
 Concen: 0.09 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: VU042009.D
 Acq: 14 Jan 2021 03:04

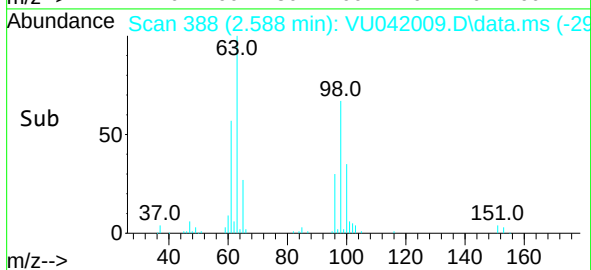
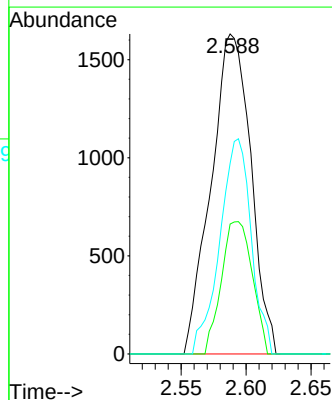
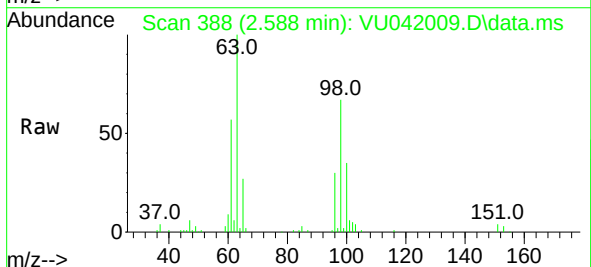
Instrument :
 MSVOA_U
 ClientSampled :

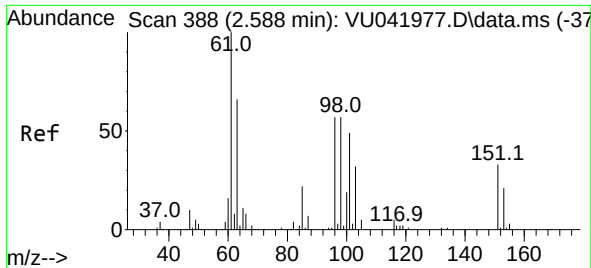
Tgt Ion:101 Resp: 1499
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.39 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU042009.D
 Acq: 14 Jan 2021 03:04

Tgt Ion:101 Resp: 3465
 Ion Ratio Lower Upper
 101 100
 85 32.2 35.9 53.9#
 151 53.3 55.4 83.2#

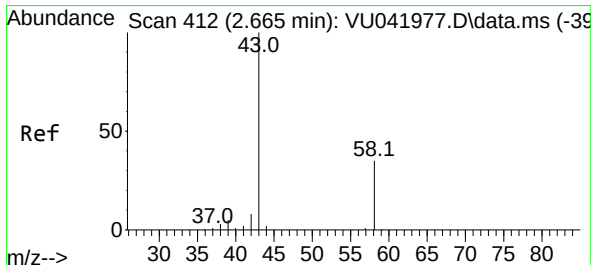
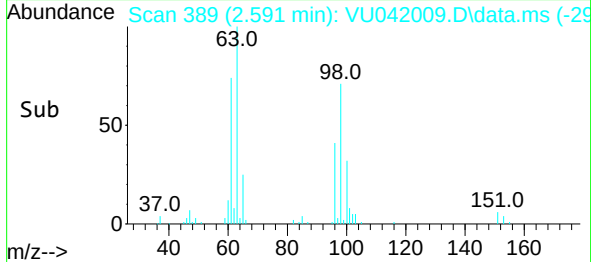
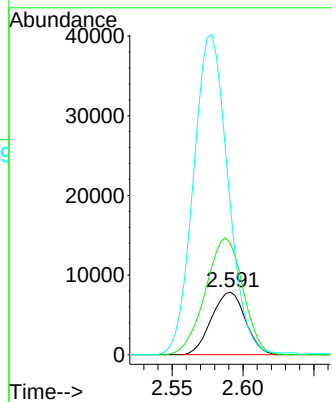
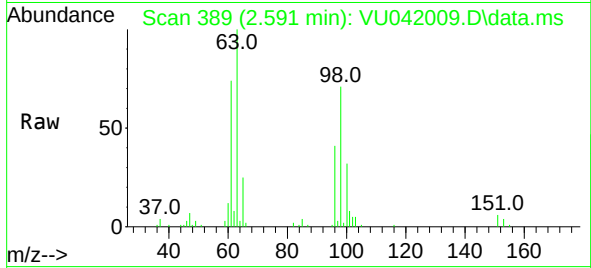




#12
1,1-Dichloroethene
Concen: 1.50 ug/L
RT: 2.591 min Scan# 389
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

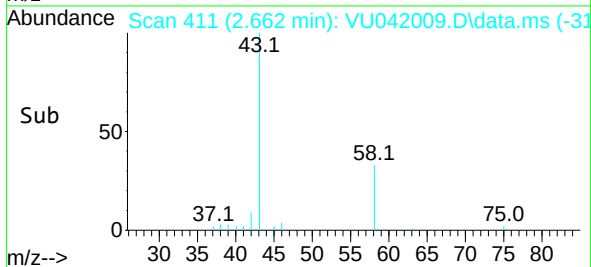
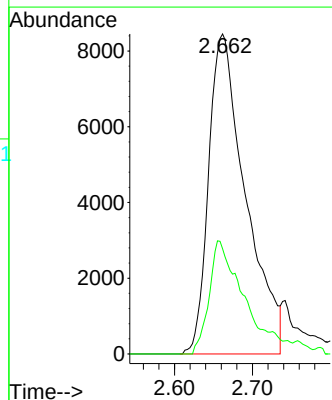
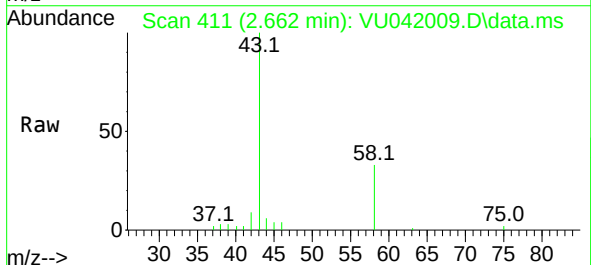
Instrument :
MSVOA_U
ClientSampled :

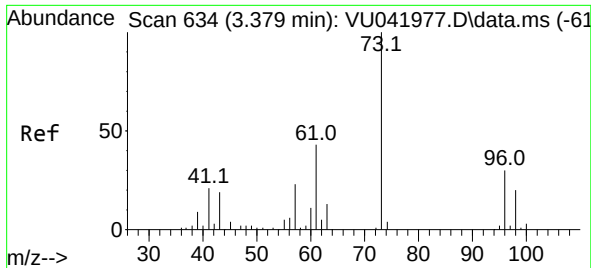
Tgt Ion: 96 Resp: 13051
Ion Ratio Lower Upper
96 100
61 178.0 122.2 226.9
63 241.8 82.8 153.8#



#13
Acetone
Concen: 15.92 ug/L
RT: 2.662 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 43 Resp: 27830
Ion Ratio Lower Upper
43 100
58 33.9 0.0 57.4

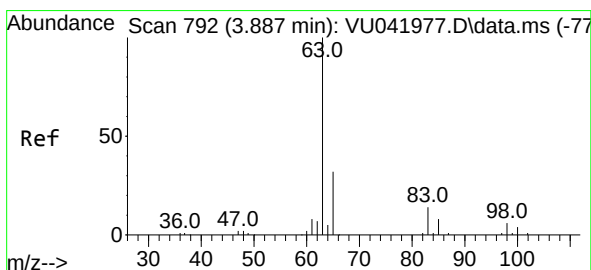
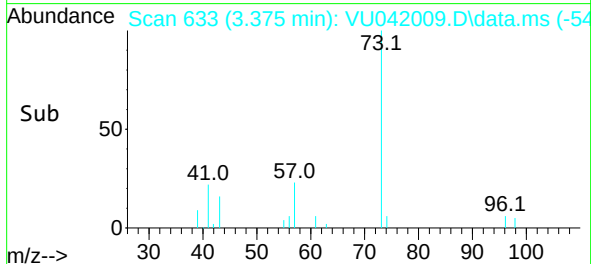
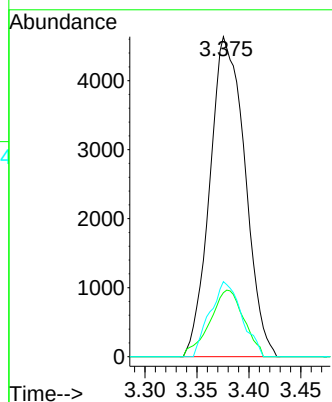
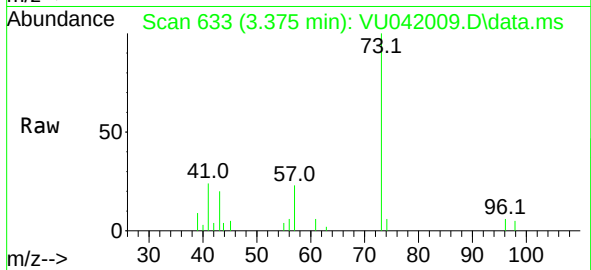




#17
Methyl tert-butyl Ether
Concen: 0.48 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

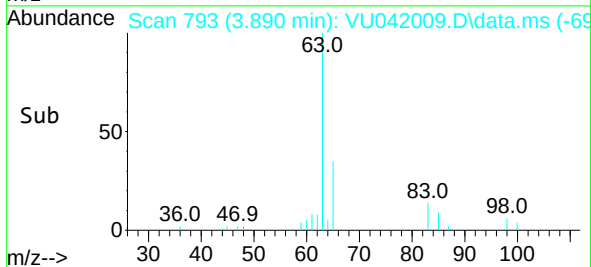
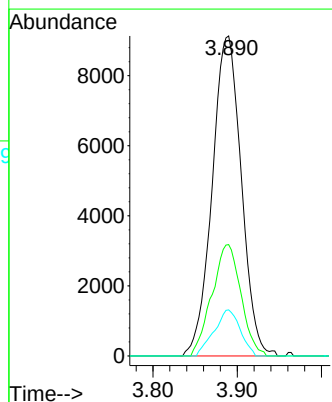
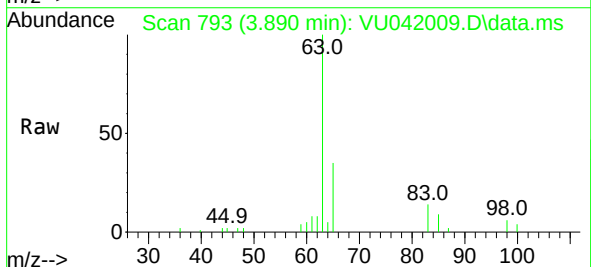
Instrument :
MSVOA_U
ClientSampled :

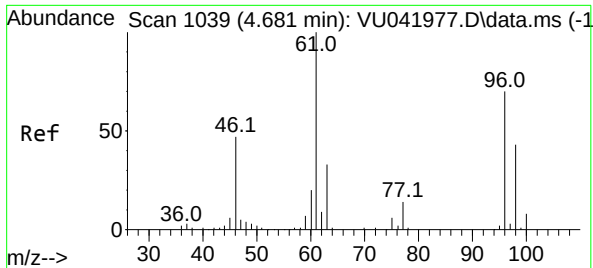
Tgt Ion: 73 Resp: 10874
Ion Ratio Lower Upper
73 100
43 20.3 15.1 22.7
57 21.2 18.0 27.0



#19
1,1-Dichloroethane
Concen: 1.27 ug/L
RT: 3.890 min Scan# 793
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 63 Resp: 21902
Ion Ratio Lower Upper
63 100
65 34.8 22.7 42.1
83 14.4 9.4 17.6

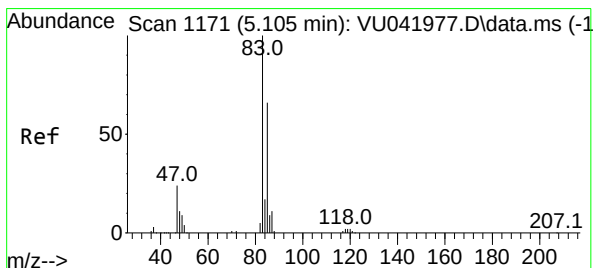
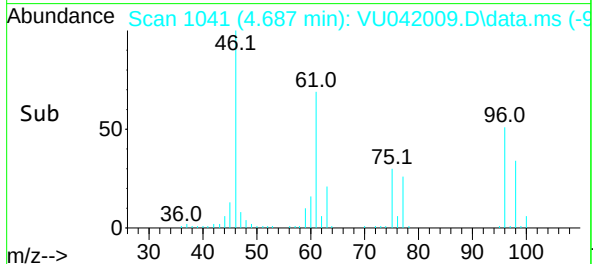
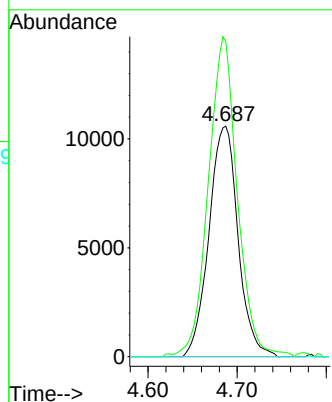
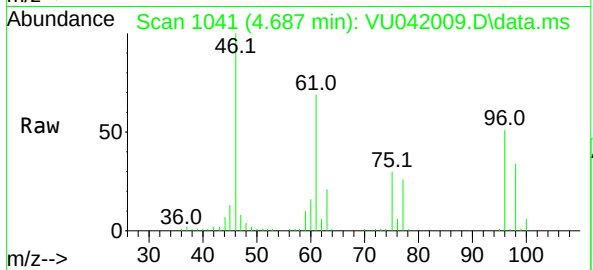




#22
cis-1,2-Dichloroethene
Concen: 2.61 ug/L
RT: 4.687 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

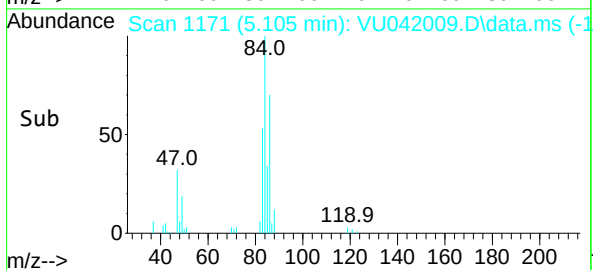
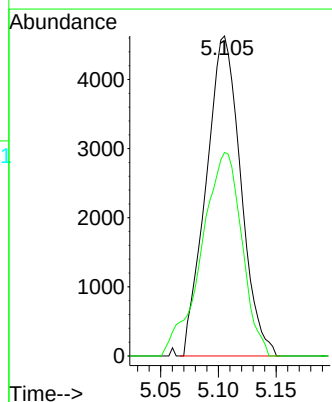
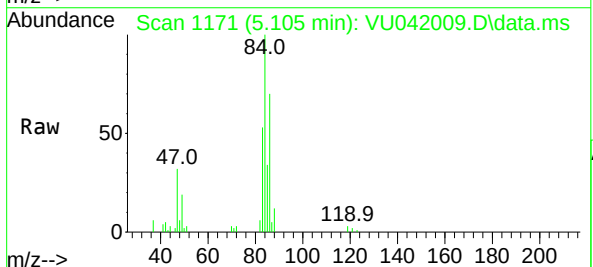
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MSVOA_U
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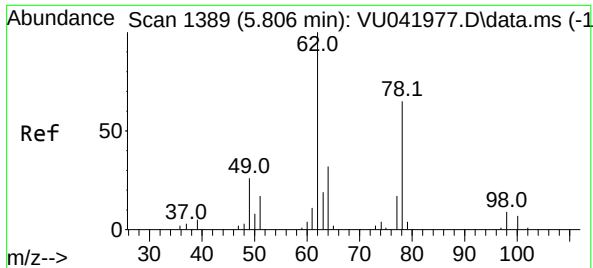
Tgt Ion: 96 Resp: 24000
Ion Ratio Lower Upper
96 100
61 136.7 100.3 186.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.56 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 83 Resp: 9674
Ion Ratio Lower Upper
83 100
85 63.6 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.08 ug/L

RT: 5.809 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VU042009.D

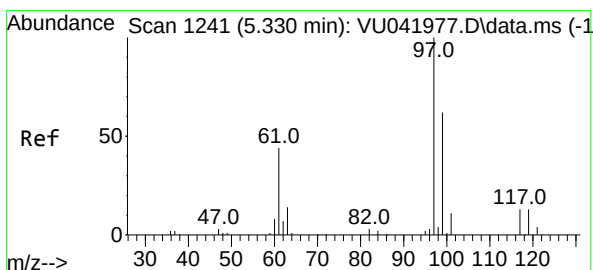
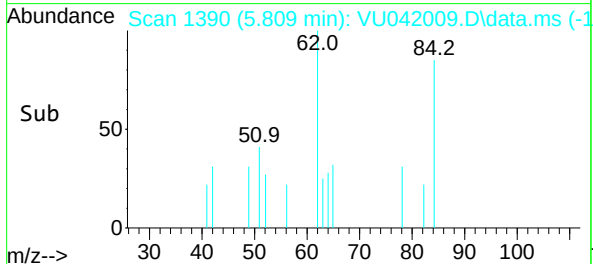
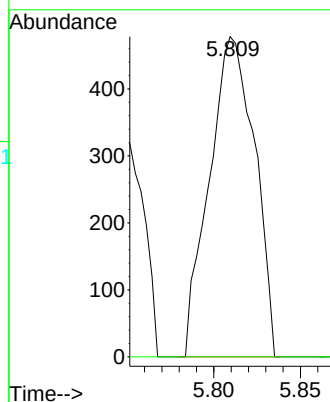
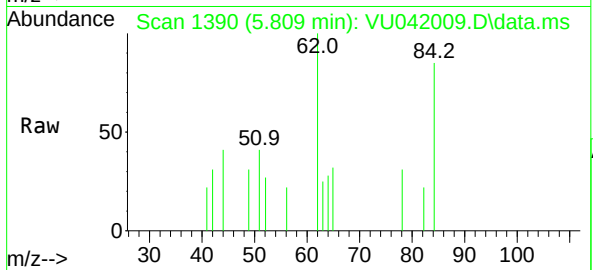
Acq: 14 Jan 2021 03:04

Tgt Ion: 62 Resp: 871

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



#29

1,1,1-Trichloroethane

Concen: 0.10 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. -0.003 min

Lab File: VU042009.D

Acq: 14 Jan 2021 03:04

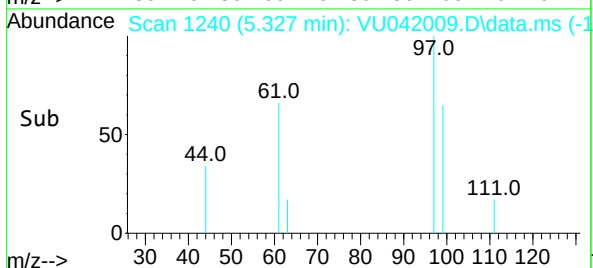
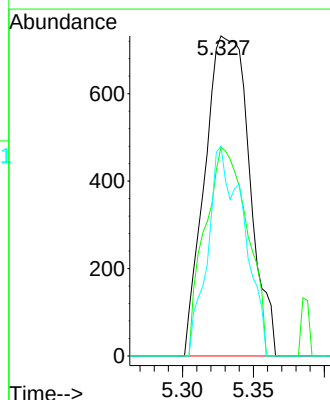
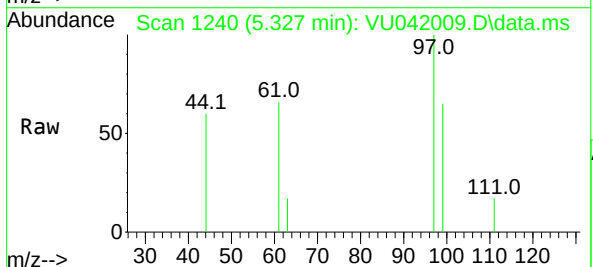
Tgt Ion: 97 Resp: 1608

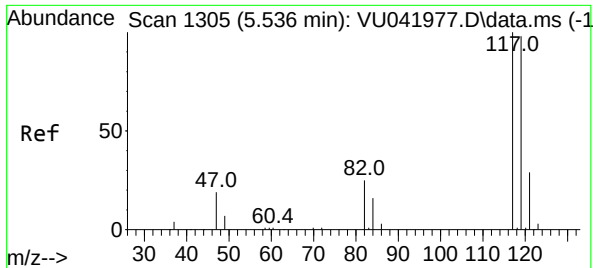
Ion Ratio Lower Upper

97 100

99 61.8 50.2 75.4

61 52.9 35.8 53.6

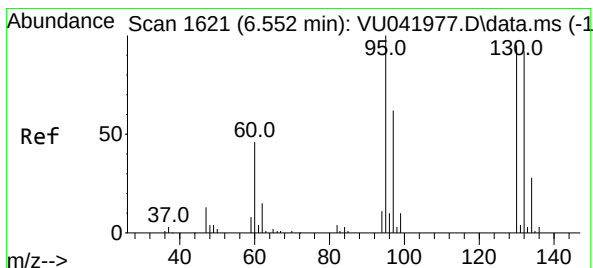
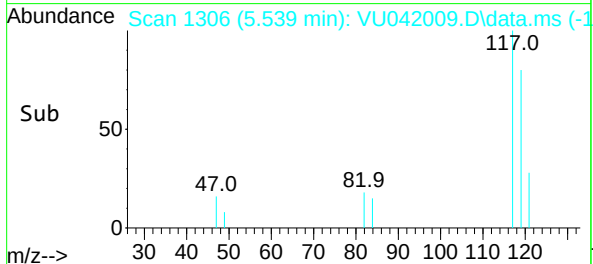
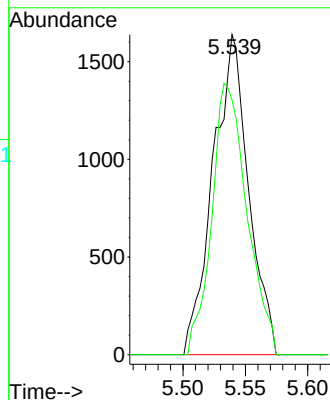
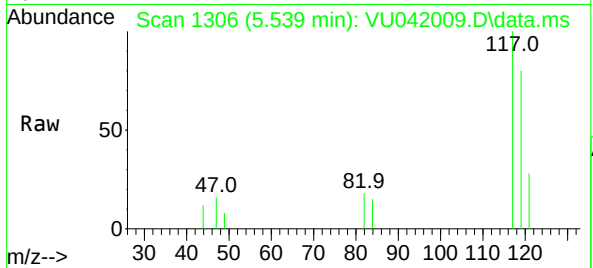




#31
Carbon tetrachloride
Concen: 0.25 ug/L
RT: 5.539 min Scan# 1306
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

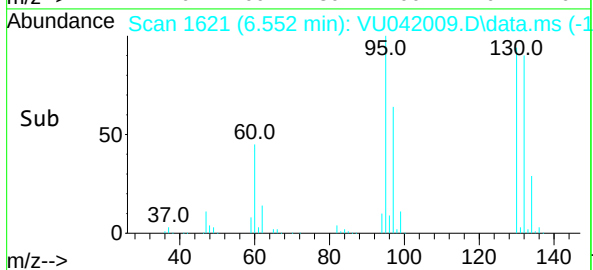
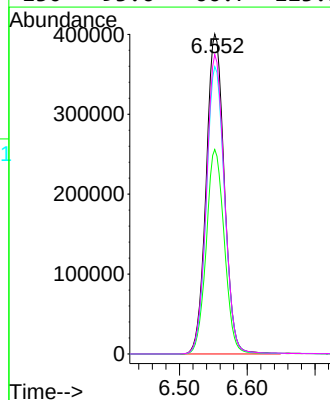
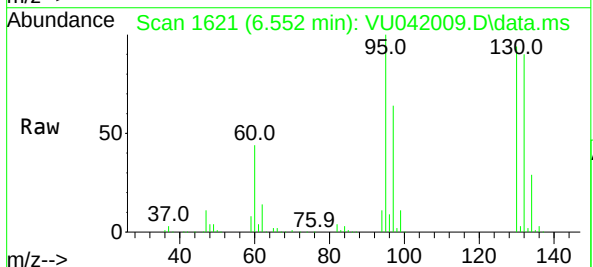
Instrument :
MSVOA_U
ClientSampled :

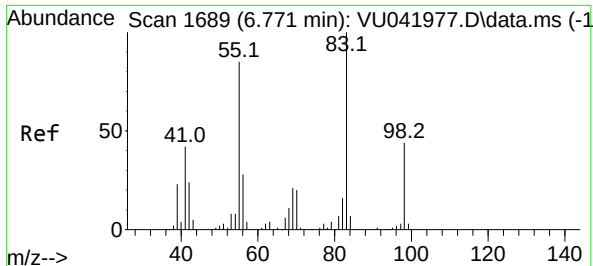
Tgt Ion:117 Resp: 3257
Ion Ratio Lower Upper
117 100
119 83.7 76.6 114.8



#34
Trichloroethene
Concen: 76.74 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 95 Resp: 743357
Ion Ratio Lower Upper
95 100
97 63.9 43.6 81.0
132 89.8 64.3 119.3
130 93.6 66.7 123.9





#35

Methylcyclohexane

Concen: 0.85 ug/L

RT: 6.703 min Scan# 1668

Delta R.T. -0.068 min

Lab File: VU042009.D

Acq: 14 Jan 2021 03:04

Tgt Ion: 83 Resp: 13058

Ion Ratio Lower Upper

83 100

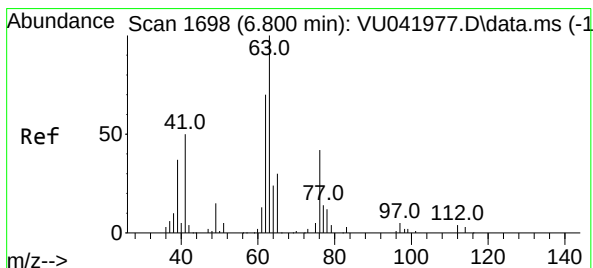
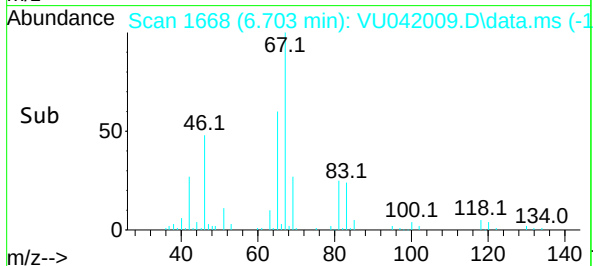
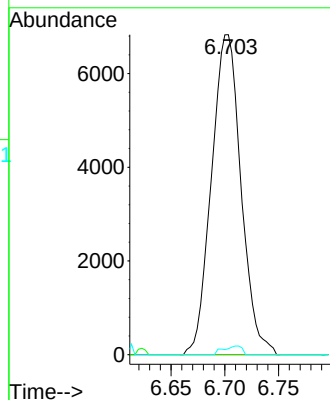
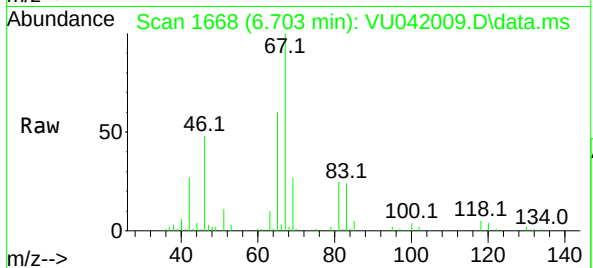
55 0.5 66.8 100.2#

98 0.0 35.7 53.5#

Instrument :

MSVOA_U

ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.47 ug/L

RT: 6.800 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU042009.D

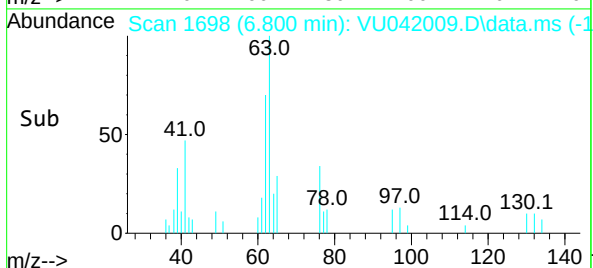
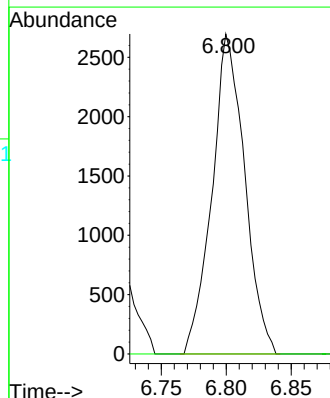
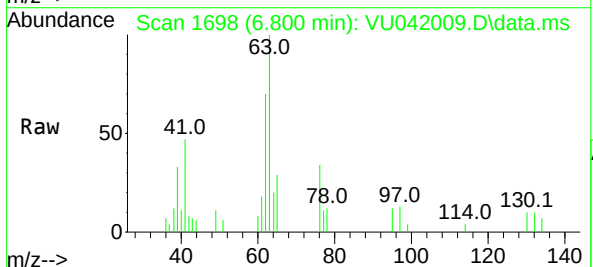
Acq: 14 Jan 2021 03:04

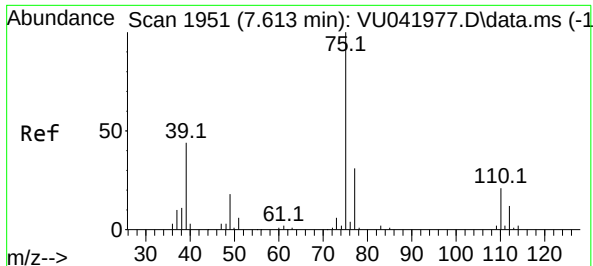
Tgt Ion: 63 Resp: 4711

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#

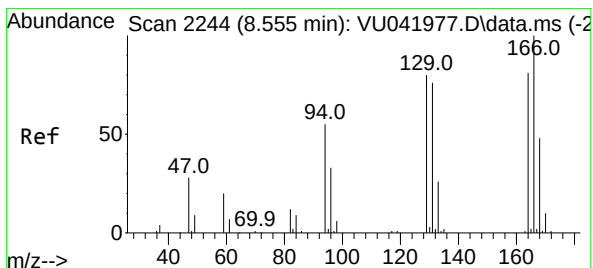
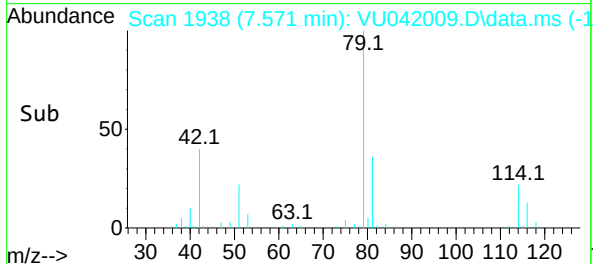
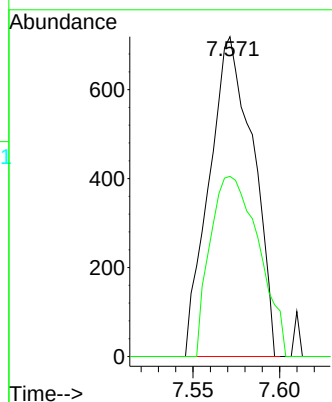
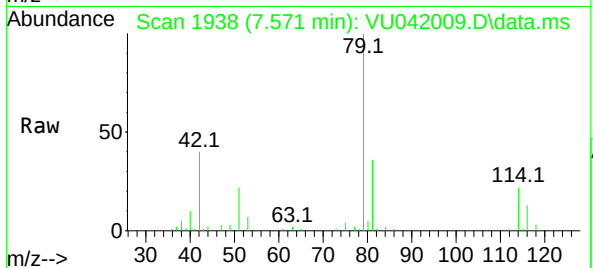




#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

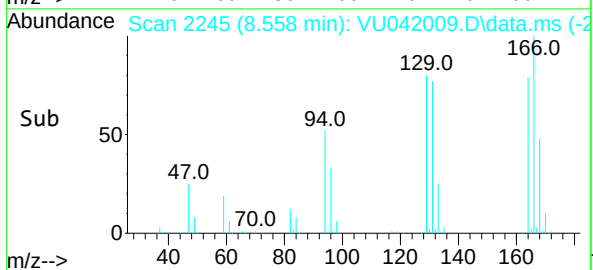
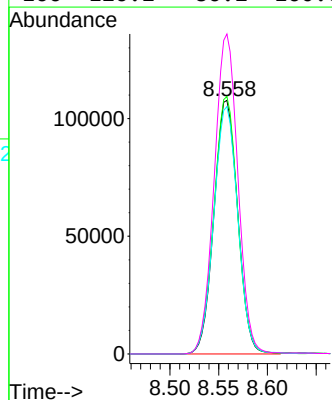
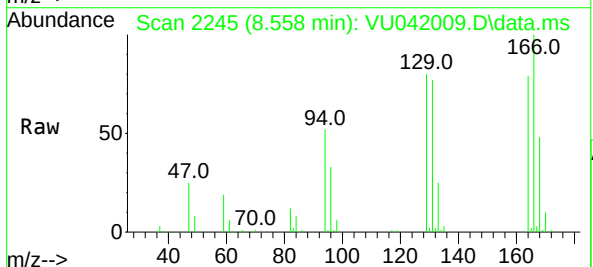
Instrument :
MSVOA_U
ClientSampled :

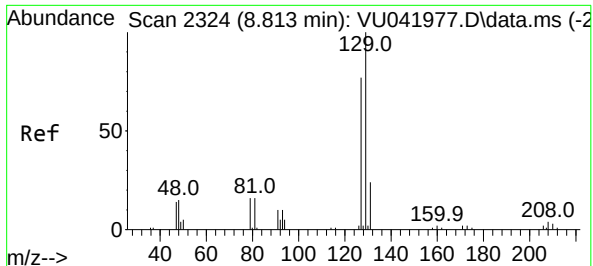
Tgt Ion: 75 Resp: 1264
Ion Ratio Lower Upper
75 100
77 56.3 21.9 40.7#



#47
Tetrachloroethene
Concen: 29.02 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042009.D
Acq: 14 Jan 2021 03:04

Tgt Ion: 164 Resp: 182106
Ion Ratio Lower Upper
164 100
129 101.5 68.7 127.5
131 97.5 65.2 121.0
166 126.2 86.2 160.0





#49

Dibromochloromethane

Concen: 23.77 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.254 min

Lab File: VU042009.D

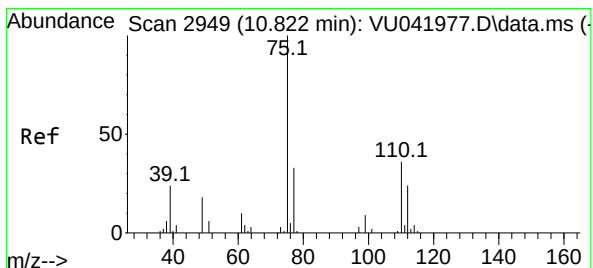
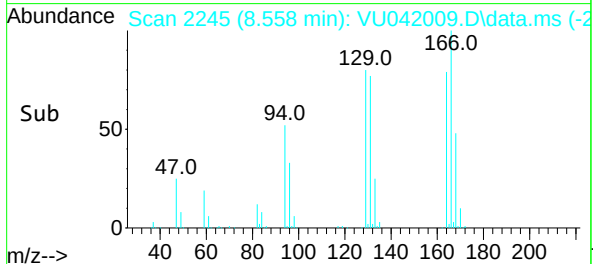
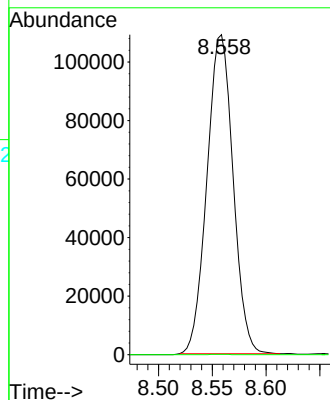
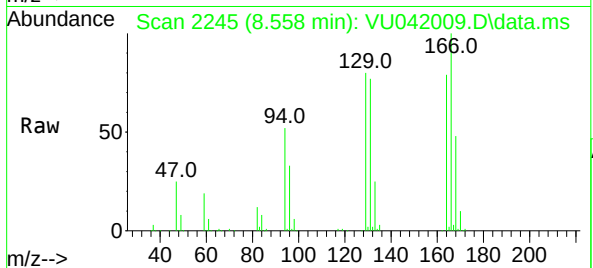
Acq: 14 Jan 2021 03:04

Tgt Ion:129 Resp: 184319

Ion Ratio Lower Upper

129 100

127 0.1 53.7 99.7#



#59

1,2,3-Trichloropropane

Concen: 0.77 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042009.D

Acq: 14 Jan 2021 03:04

Tgt Ion: 75 Resp: 5122

Ion Ratio Lower Upper

75 100

77 38.1 25.6 38.4

