

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072121\
 Data File : VU044381.D
 Acq On : 21 Jul 2021 17:05
 Operator : SY/MD
 Sample : M3035-07DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 05:02:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 16 14:36:39 2021
 Response via : Initial Calibration

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

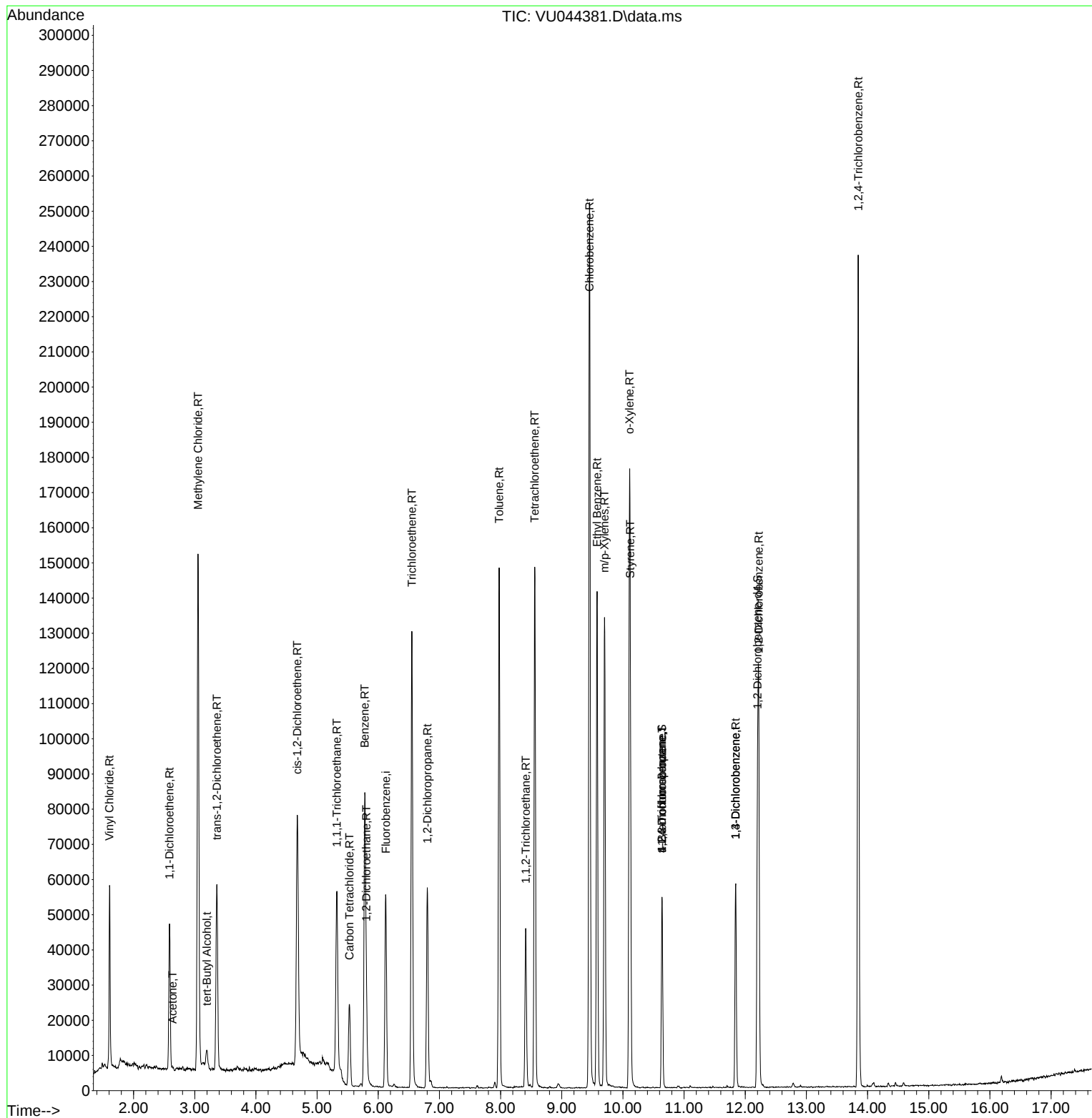
Internal Standards						
1) Fluorobenzene	6.124	96	50949	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	19351	0.941	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	19330	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.607	62	36754	1.883	ug/l	98
9) 1,1-Dichloroethene	2.588	96	13686	1.052	ug/l	99
13) Acetone	2.639	43	594	0.399	ug/l #	75
15) Methylene Chloride	3.054	84	69757	3.778	ug/l	95
16) trans-1,2-Dichloroethene	3.362	96	21878	1.507	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	34008	2.144	ug/l	84
24) tert-Butyl Alcohol	3.198	59	3195	4.932	ug/l #	78
28) 1,1,1-Trichloroethane	5.324	97	36229	1.661	ug/l	98
30) Carbon Tetrachloride	5.526	117	16132	0.887	ug/l	98
35) Benzene	5.780	78	79122	1.313	ug/l	100
36) 1,2-Dichloroethane	5.806	62	17473	1.011	ug/l	98
37) Trichloroethene	6.549	130	43642	2.883	ug/l	93
38) 1,2-Dichloropropane	6.803	63	22766	1.428	ug/l	96
46) t-1,4-Dichloro-2-butene	10.639	75	9765	2.145	ug/l #	22
49) Toluene	7.976	92	64015	1.689	ug/l	97
52) 1,1,2-Trichloroethane	8.410	97	14753	1.266	ug/l	96
58) Tetrachloroethene	8.558	164	33196	2.583	ug/l	97
59) Chlorobenzene	9.455	112	138403	3.455	ug/l	97
63) Ethyl Benzene	9.578	91	101537	1.418	ug/l	98
64) m/p-Xylenes	9.700	106	39592	1.447	ug/l	98
65) o-Xylene	10.108	106	38770	1.468	ug/l	100
66) Styrene	10.121	104	39854	0.876	ug/l	93
71) 1,2,3-Trichloropropane	10.639	75	9765	0.741	ug/l #	34
82) 1,3-Dichlorobenzene	11.844	146	24380	0.751	ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	24380	0.743	ug/l	100
85) 1,2-Dichlorobenzene	12.221	146	41216	1.310	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	74618	3.352	ug/l	99

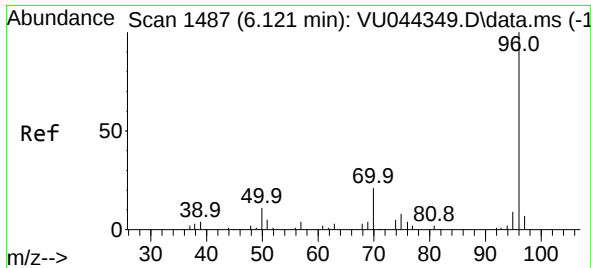
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 14:36:39 2021
Response via : Initial Calibration

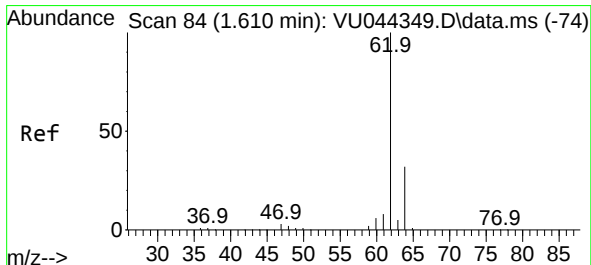
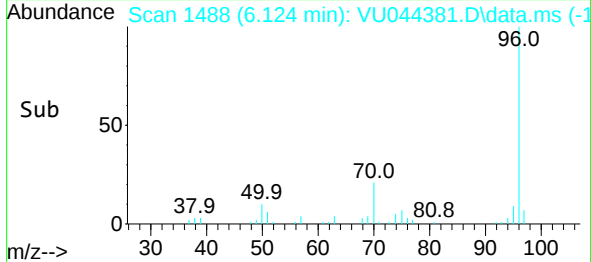
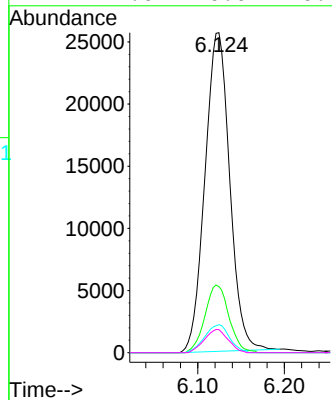
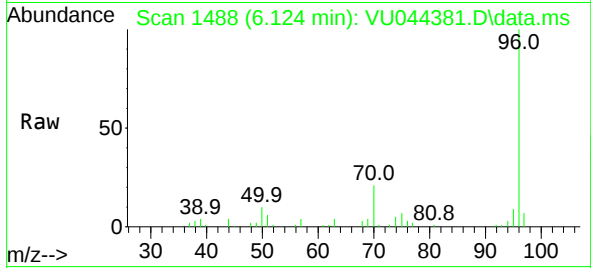




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.124 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

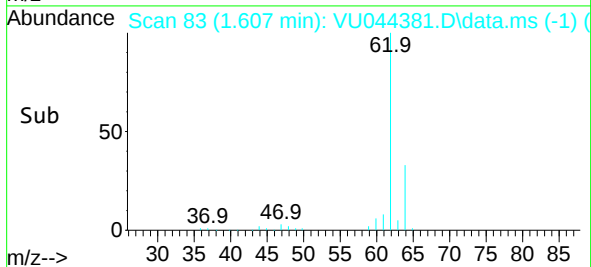
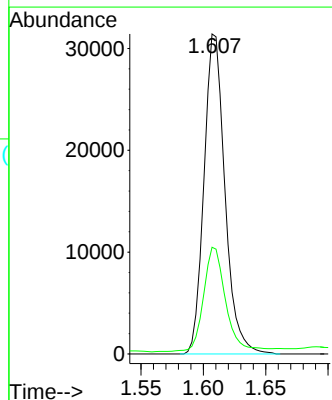
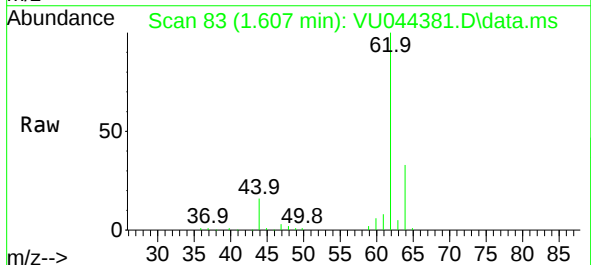
Instrument :
MSVOA_U
ClientSampled :

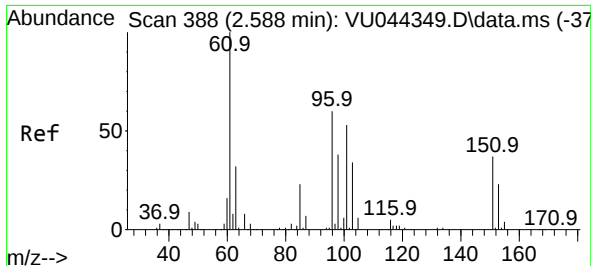
Tgt Ion: 96	Resp: 50949
Ion Ratio	Lower Upper
96 100	
70 20.5	16.2 24.2
95 8.8	7.3 10.9
97 7.0	0.0 0.0



#4
Vinyl Chloride
Concen: 1.883 ug/l
RT: 1.607 min Scan# 83
Delta R.T. -0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 62	Resp: 36754
Ion Ratio	Lower Upper
62 100	
64 32.3	25.1 37.7

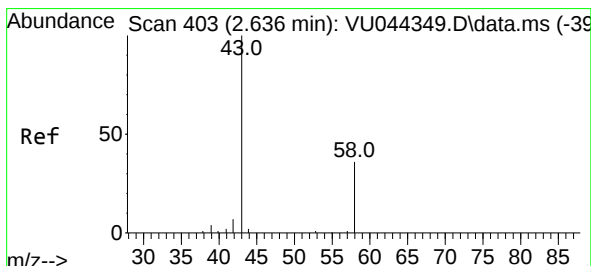
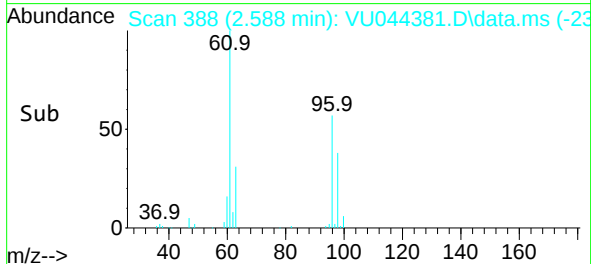
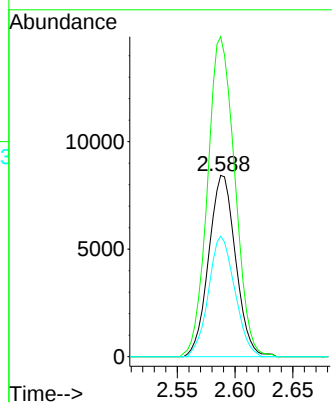
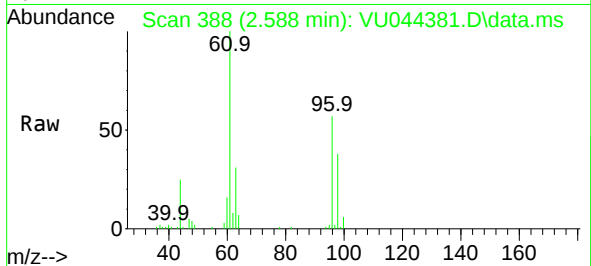




#9
1,1-Dichloroethene
Concen: 1.052 ug/l
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

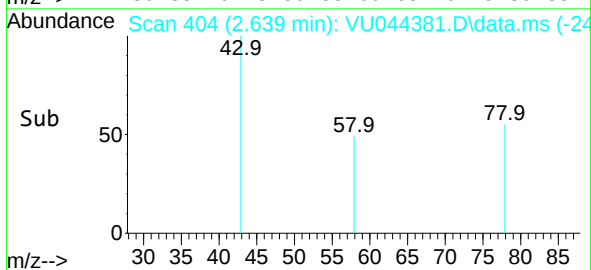
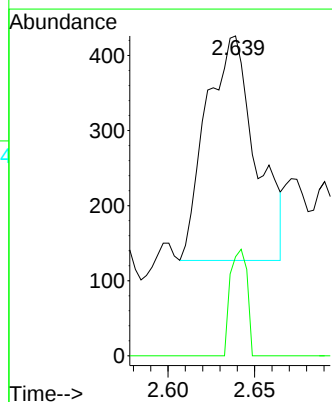
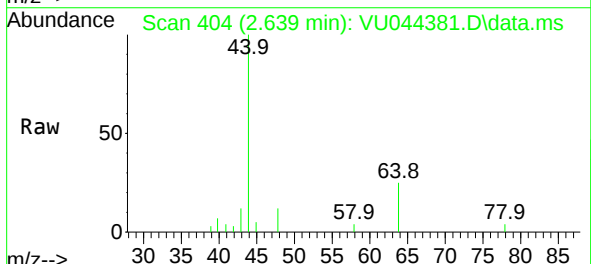
Instrument :
MSVOA_U
ClientSampled :

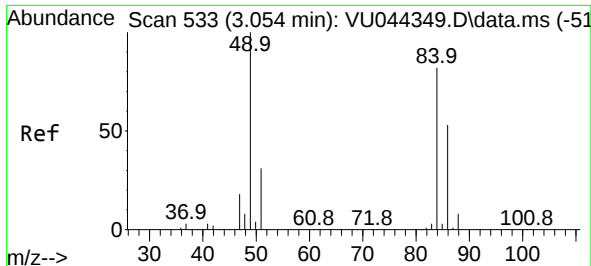
Tgt Ion: 96 Resp: 13686
Ion Ratio Lower Upper
96 100
61 176.6 0.0 528.0
98 66.5 0.0 127.4



#13
Acetone
Concen: 0.399 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 44.1 24.3 36.5#



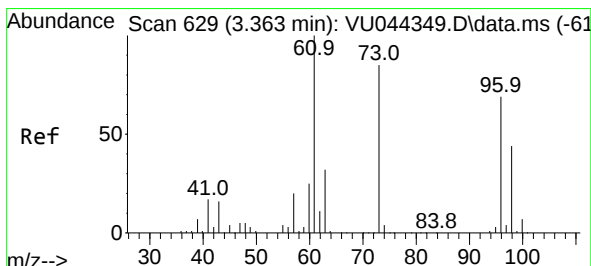
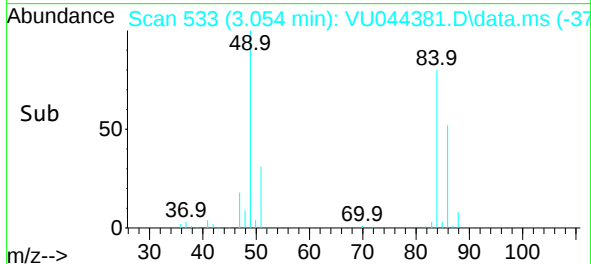
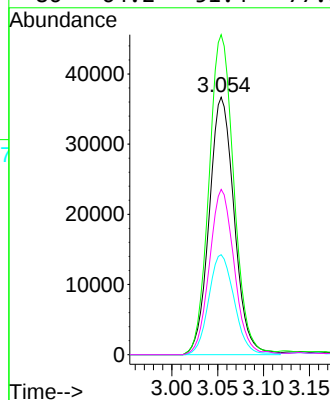
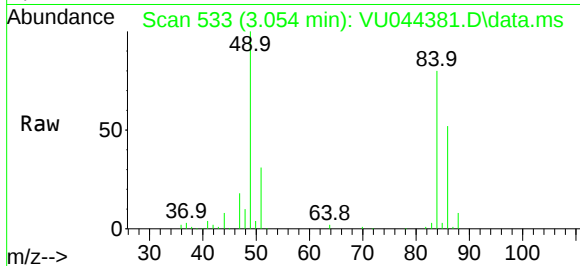


#15
Methylene Chloride
Concen: 3.778 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 69757

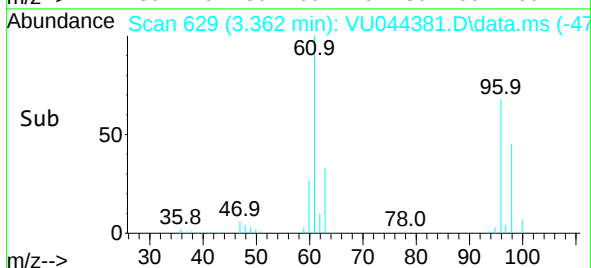
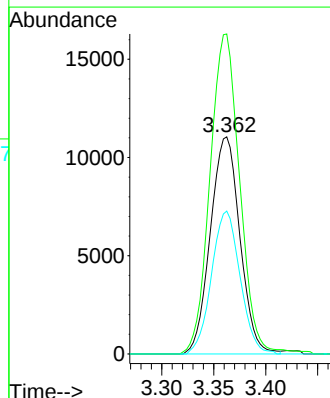
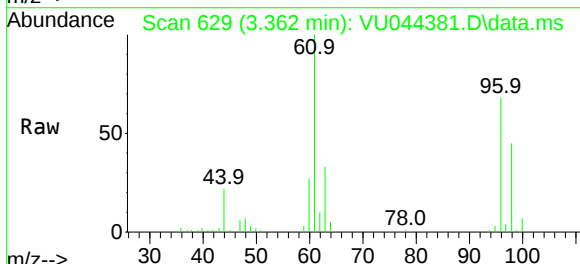
Ion	Ratio	Lower	Upper
84	100		
49	124.3	106.3	159.5
51	38.8	0.0	81.8
86	64.2	51.4	77.0

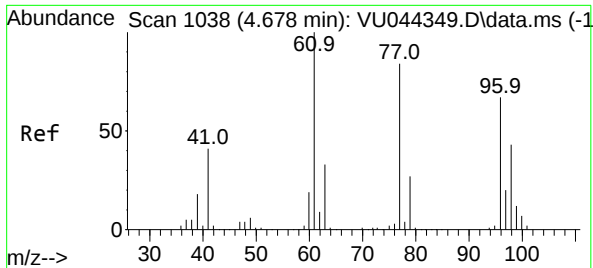


#16
trans-1,2-Dichloroethene
Concen: 1.507 ug/l
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 96 Resp: 21878

Ion	Ratio	Lower	Upper
96	100		
61	147.4	119.3	178.9
98	65.8	50.8	76.2

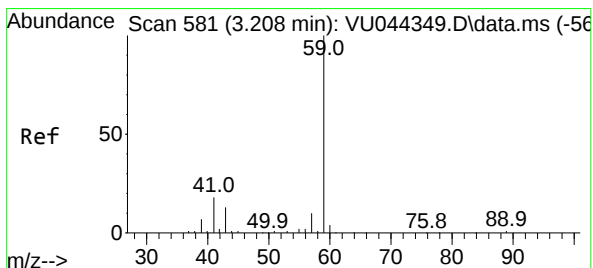
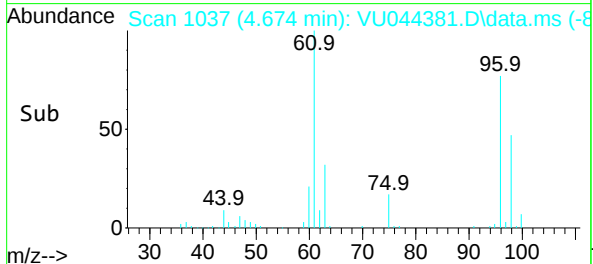
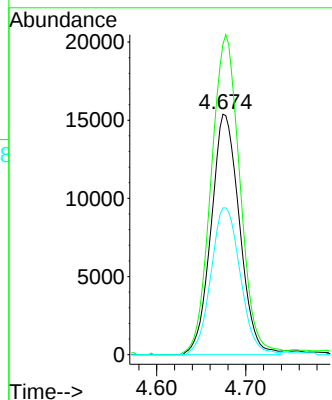
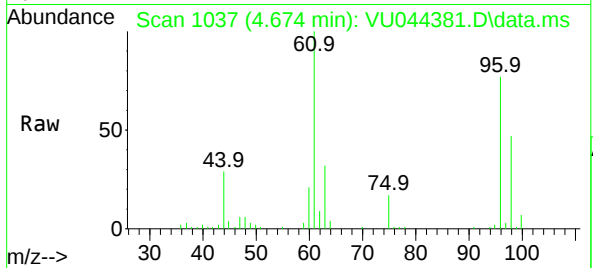




#22
cis-1,2-Dichloroethene
Concen: 2.144 ug/l
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

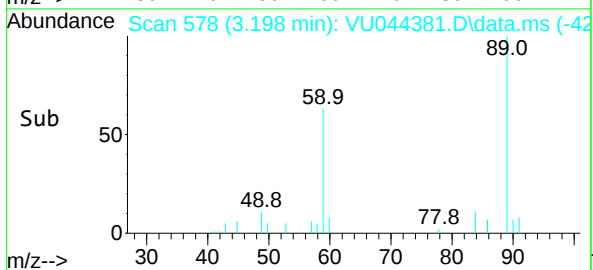
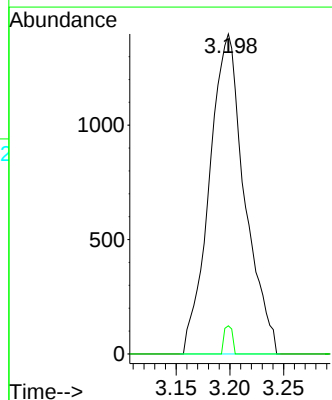
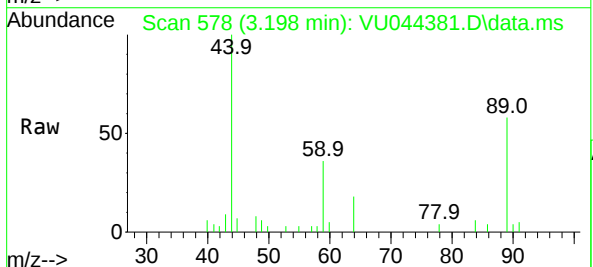
Instrument :
MSVOA_U
ClientSampleId :

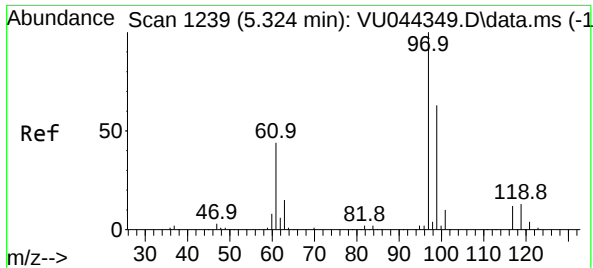
Tgt Ion: 96 Resp: 34008
Ion Ratio Lower Upper
96 100
61 135.2 0.0 407.7
98 63.3 32.5 97.4



#24
tert-Butyl Alcohol
Concen: 4.932 ug/l
RT: 3.198 min Scan# 578
Delta R.T. -0.010 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 59 Resp: 3195
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4#



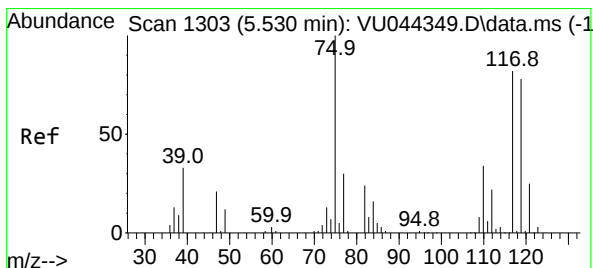
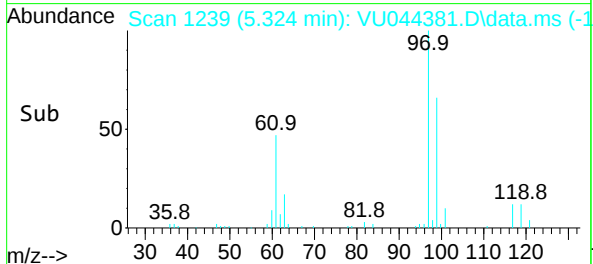
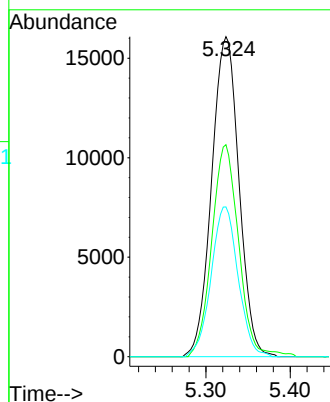
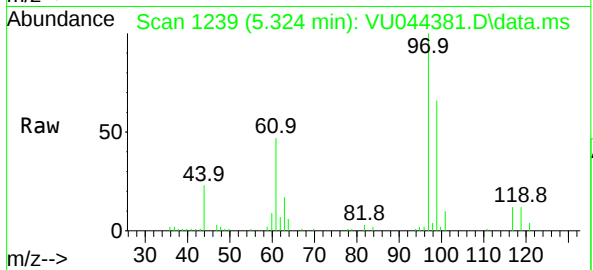


#28

1,1,1-Trichloroethane
Concen: 1.661 ug/l
RT: 5.324 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Instrument :
MSVOA_U
ClientSampled :

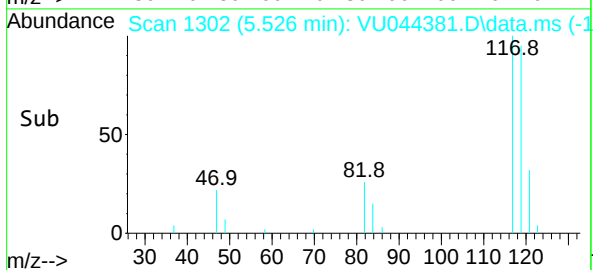
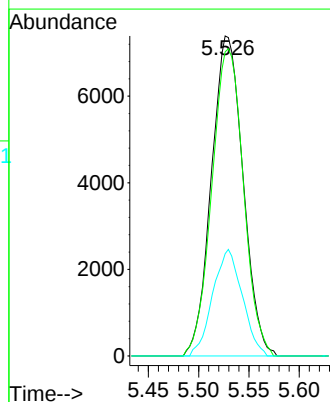
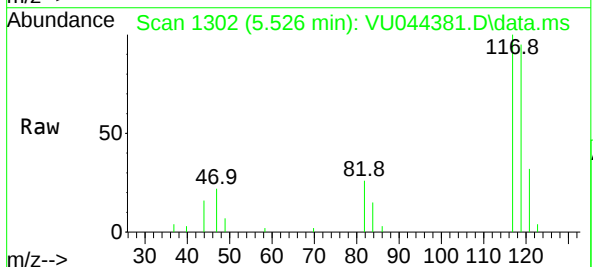
Tgt Ion:	97	Resp:	36229
Ion	Ratio	Lower	Upper
97	100		
99	65.2	32.0	96.2
61	46.3	23.8	71.5

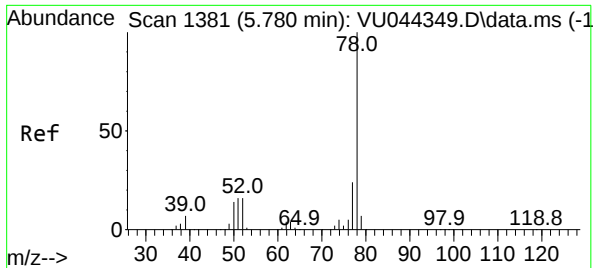


#30

Carbon Tetrachloride
Concen: 0.887 ug/l
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:	117	Resp:	16132
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	31.9	24.2	36.4

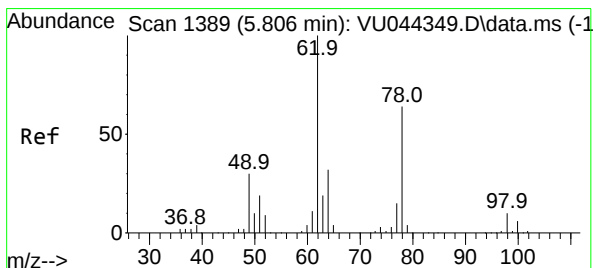
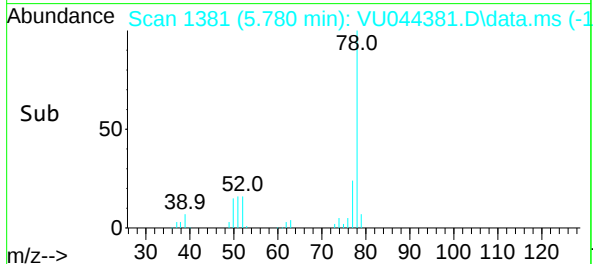
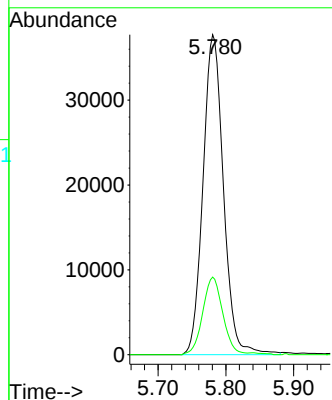
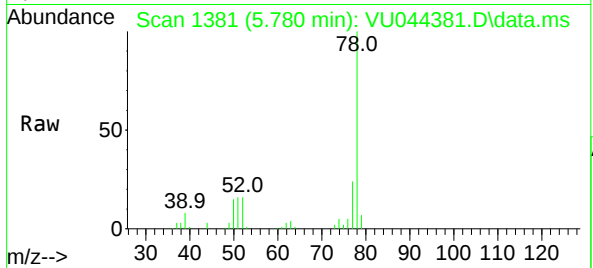




#35
Benzene
Concen: 1.313 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

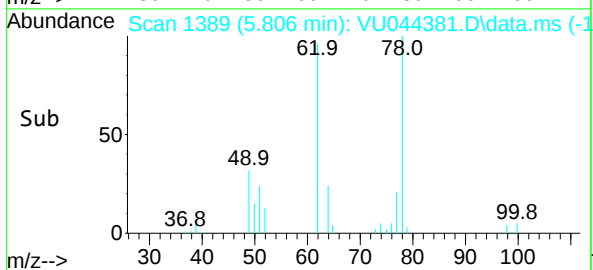
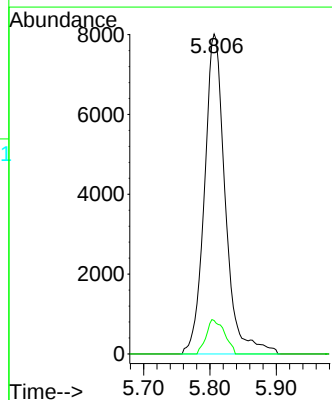
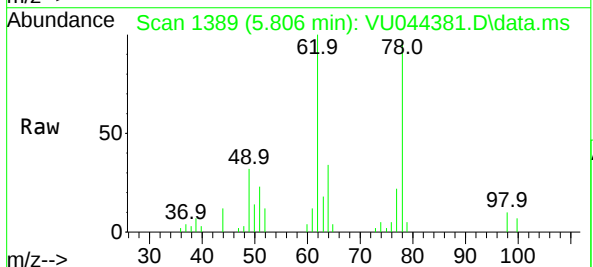
Instrument :
MSVOA_U
ClientSampled :

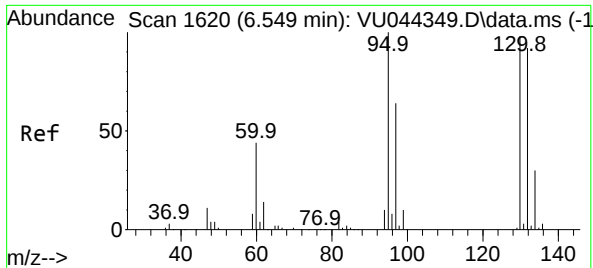
Tgt Ion: 78 Resp: 79122
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0



#36
1,2-Dichloroethane
Concen: 1.011 ug/l
RT: 5.806 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 62 Resp: 17473
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.6

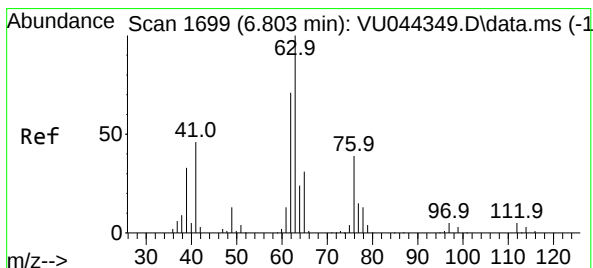
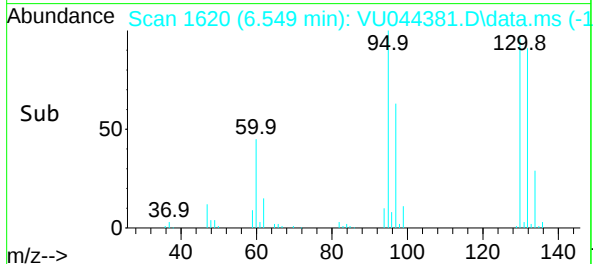
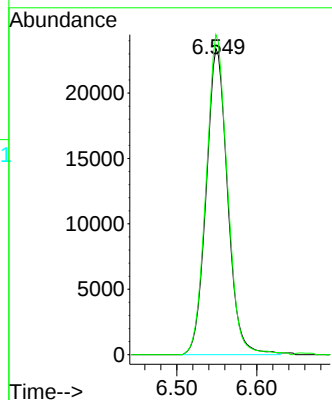
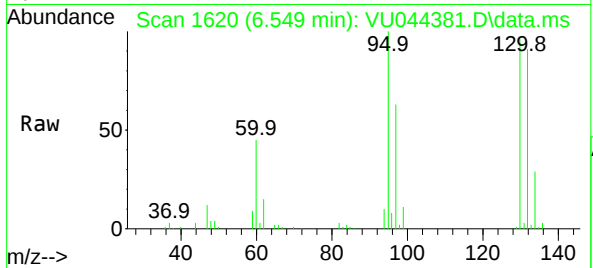




#37
Trichloroethene
Concen: 2.883 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

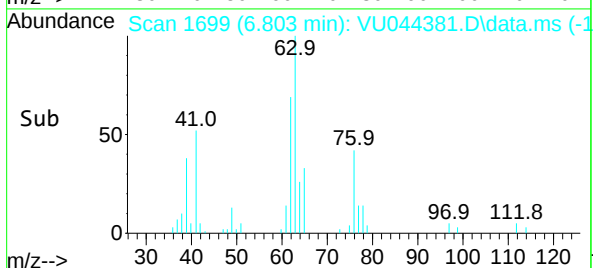
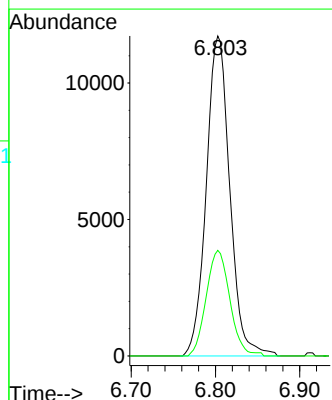
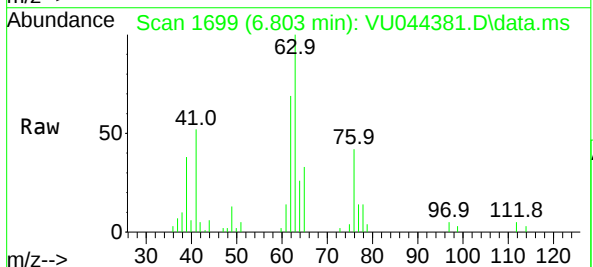
Instrument :
MSVOA_U
ClientSampled :

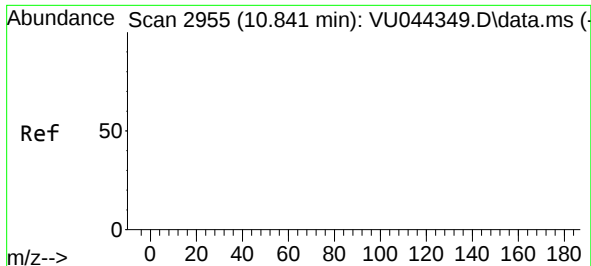
Tgt Ion:130 Resp: 43642
Ion Ratio Lower Upper
130 100
95 104.5 77.8 116.6



#38
1,2-Dichloropropane
Concen: 1.428 ug/l
RT: 6.803 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

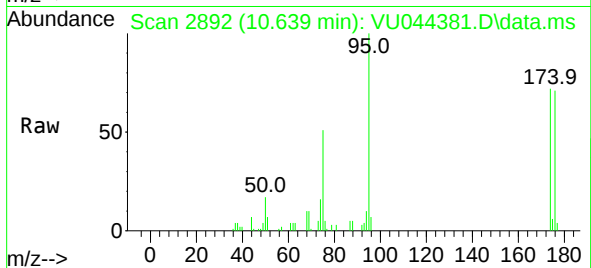
Tgt Ion: 63 Resp: 22766
Ion Ratio Lower Upper
63 100
65 33.0 24.7 37.1



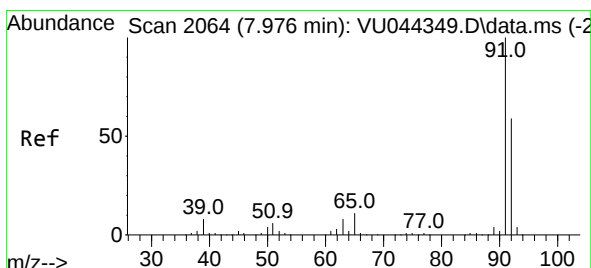
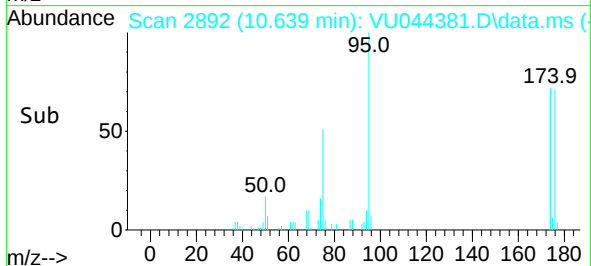
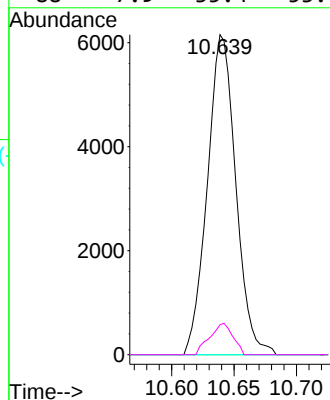


#46
t-1,4-Dichloro-2-butene
Concen: 2.145 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.203 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Instrument :
MSVOA_U
ClientSampleId :

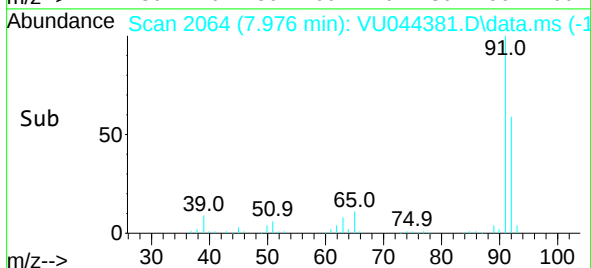
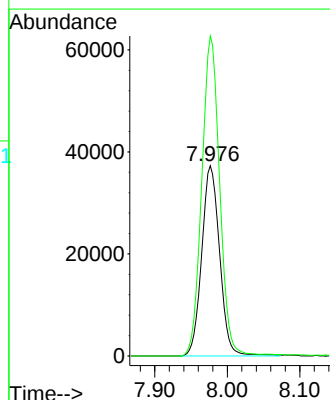
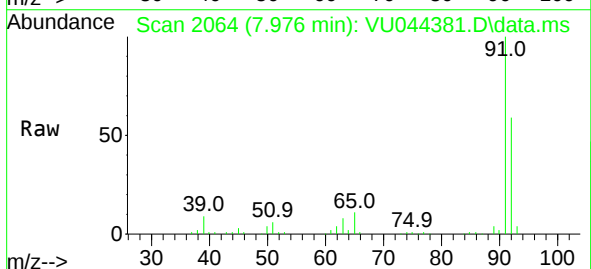


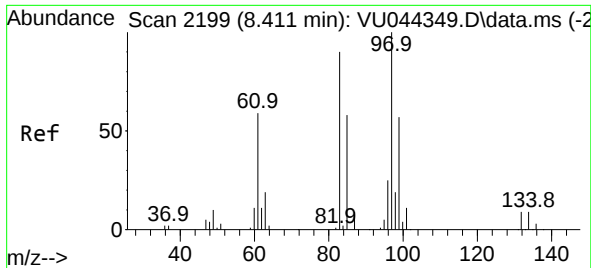
Tgt Ion:	75	Resp:	9765
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.7	95.5#
89	0.0	44.6	67.0#
88	7.9	35.4	53.0#



#49
Toluene
Concen: 1.689 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:	92	Resp:	64015
Ion	Ratio	Lower	Upper
92	100		
91	167.6	137.0	205.6

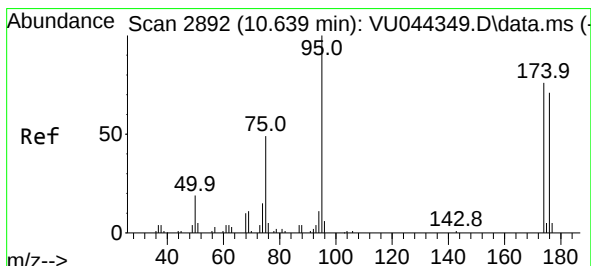
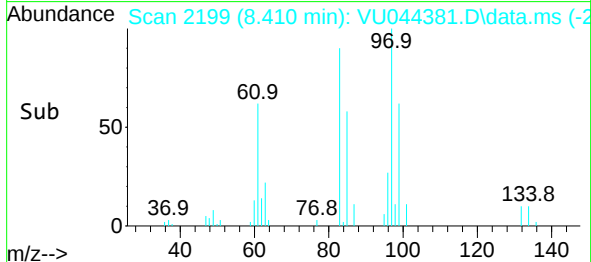
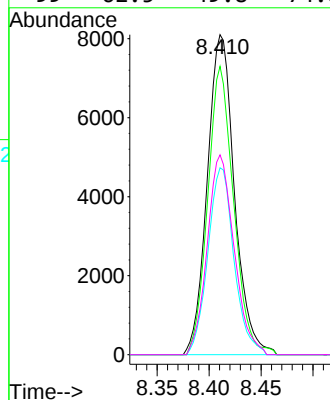
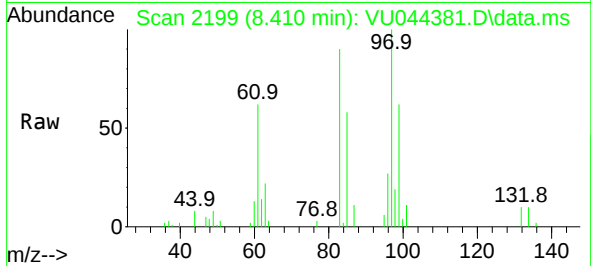




#52
1,1,2-Trichloroethane
Concen: 1.266 ug/l
RT: 8.410 min Scan# 2199
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

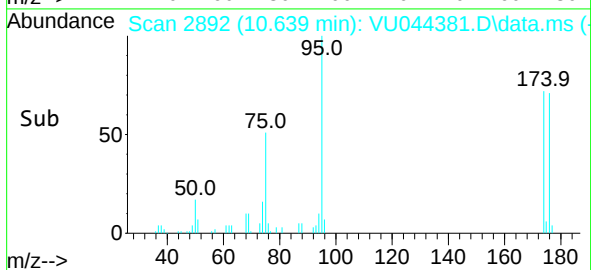
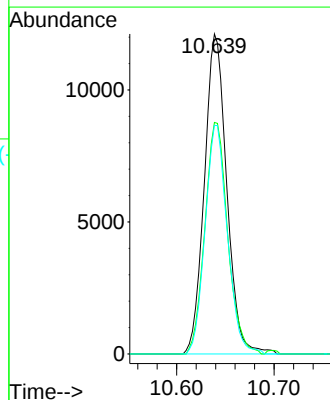
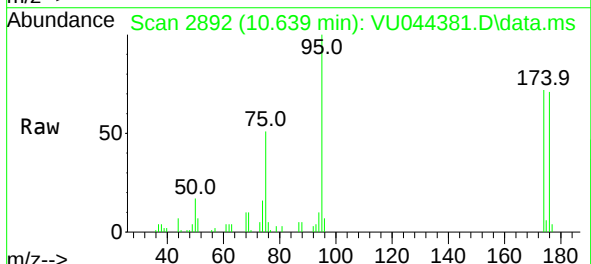
Instrument :
MSVOA_U
ClientSampled :

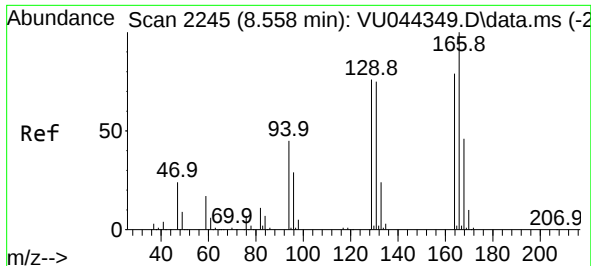
Tgt Ion:	97	Resp:	14753
Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.2	102.2
85	58.4	44.0	66.0
99	62.5	49.8	74.8



#57
4-Bromofluorobenzene
Concen: 0.941 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

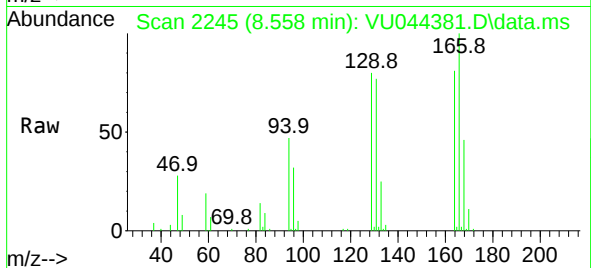
Tgt Ion:	95	Resp:	19351
Ion	Ratio	Lower	Upper
95	100		
174	73.8	62.2	93.2
176	71.1	60.3	90.5



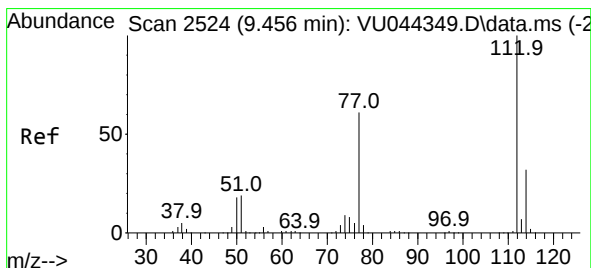
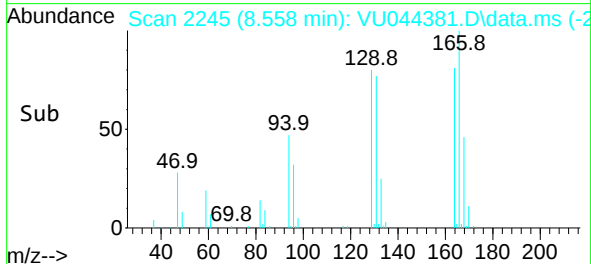
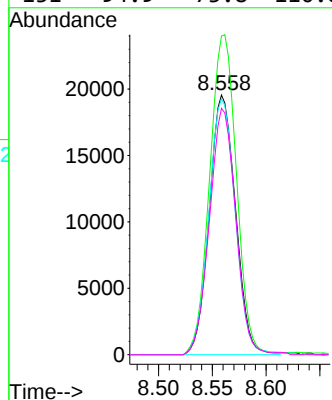


#58
Tetrachloroethene
Concen: 2.583 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Instrument :
MSVOA_U
ClientSampled :

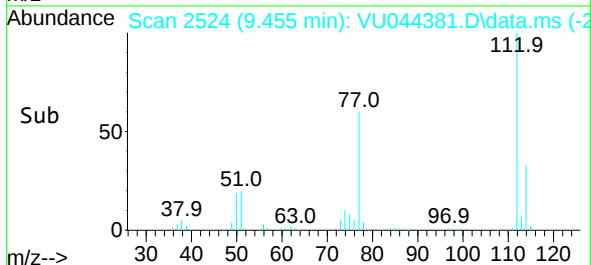
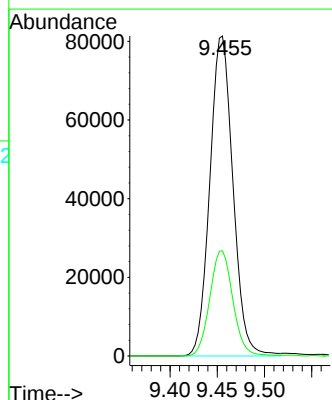
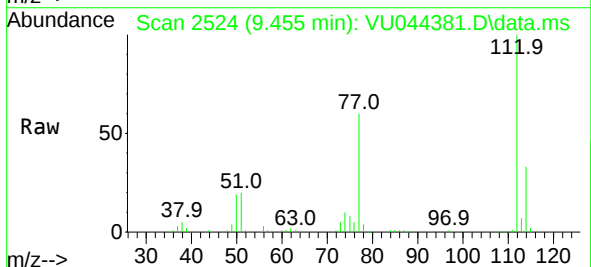


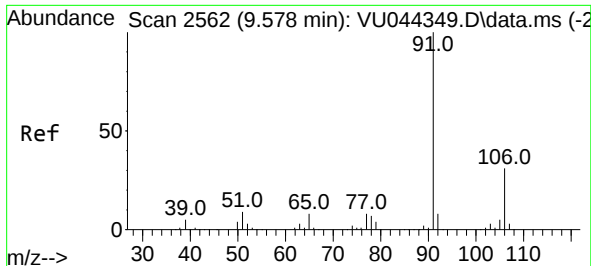
Tgt Ion:164 Resp: 33196
Ion Ratio Lower Upper
164 100
166 122.7 100.2 150.4
129 98.5 76.3 114.5
131 94.9 73.8 110.8



#59
Chlorobenzene
Concen: 3.455 ug/l
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:112 Resp: 138403
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.6

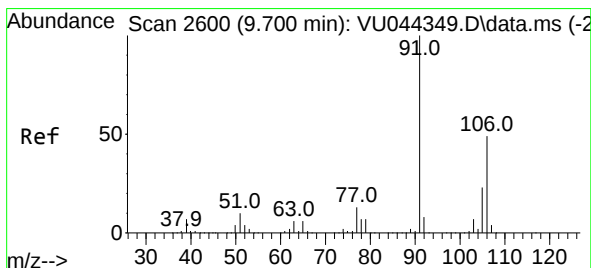
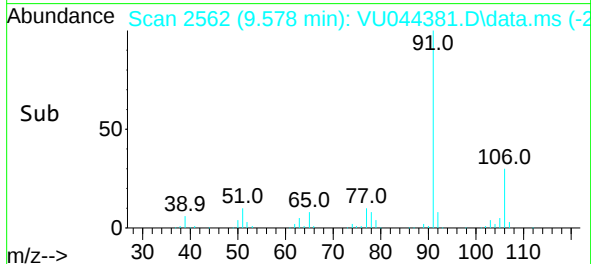
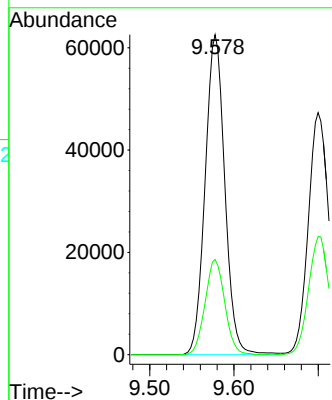
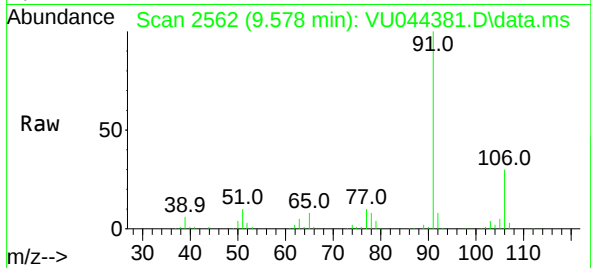




#63
Ethyl Benzene
Concen: 1.418 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

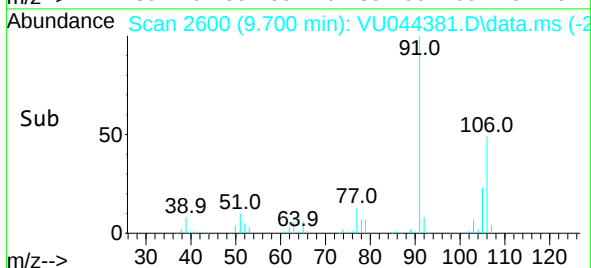
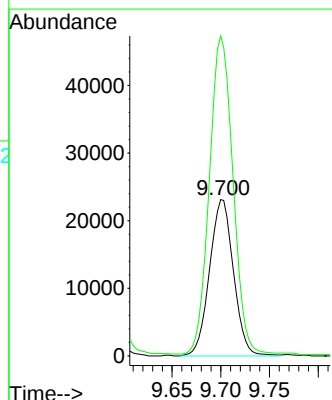
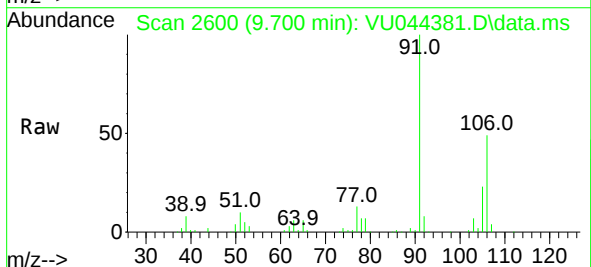
Instrument :
MSVOA_U
ClientSampled :

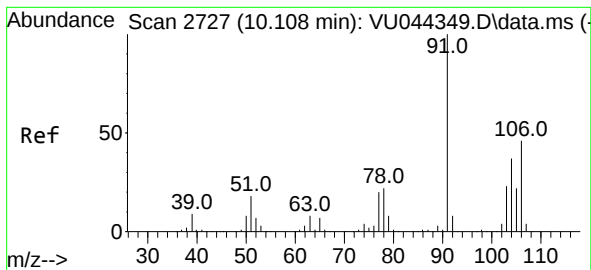
Tgt Ion: 91 Resp: 101537
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0



#64
m/p-Xylenes
Concen: 1.447 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion: 106 Resp: 39592
Ion Ratio Lower Upper
106 100
91 200.2 162.5 243.7

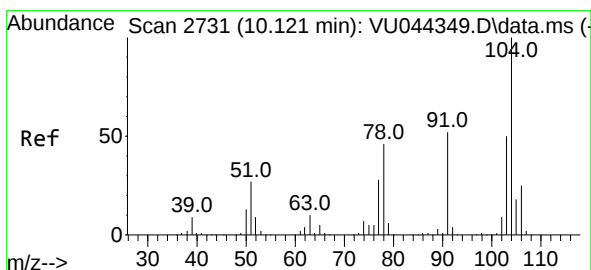
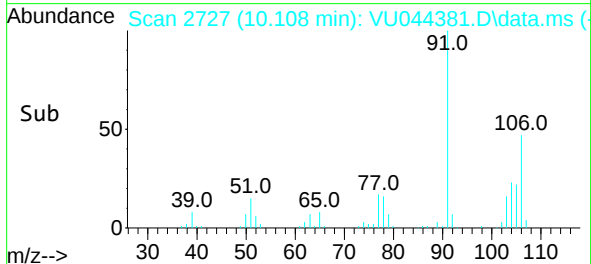
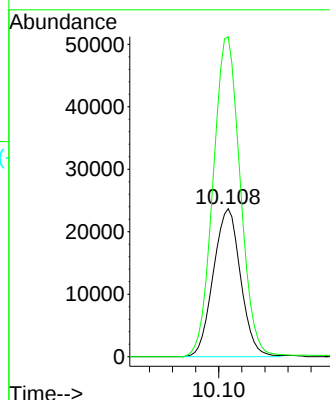
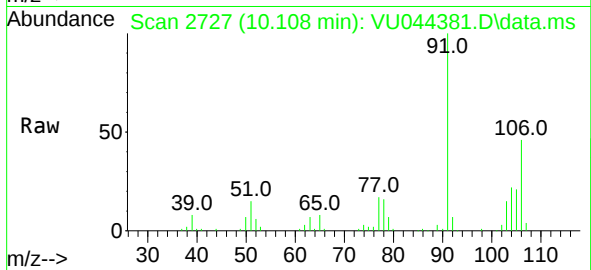




#65
o-Xylene
Concen: 1.468 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

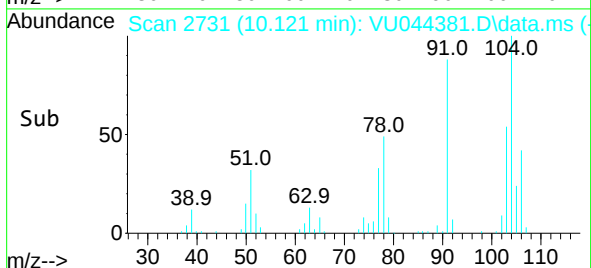
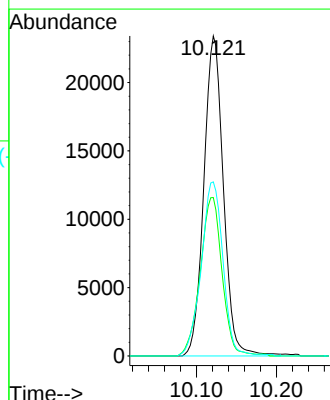
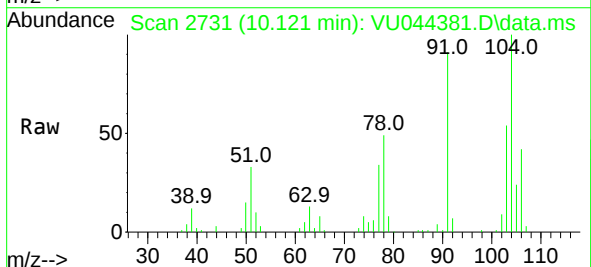
Instrument :
MSVOA_U
ClientSampled :

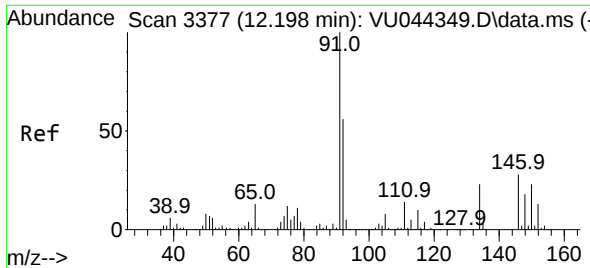
Tgt Ion:106 Resp: 38770
Ion Ratio Lower Upper
106 100
91 215.6 108.2 324.6



#66
Styrene
Concen: 0.876 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:104 Resp: 39854
Ion Ratio Lower Upper
104 100
78 55.2 41.6 62.4
103 60.3 43.3 64.9

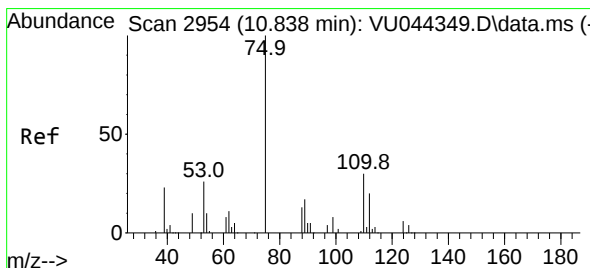
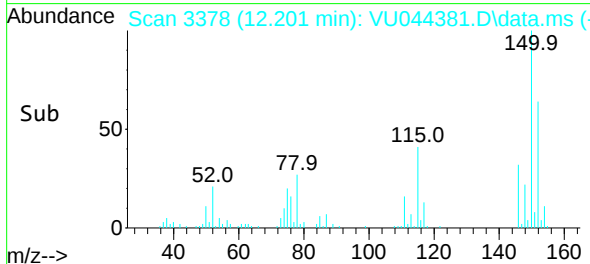
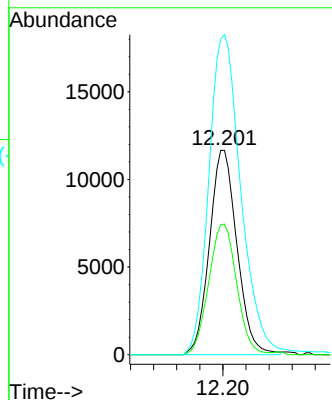
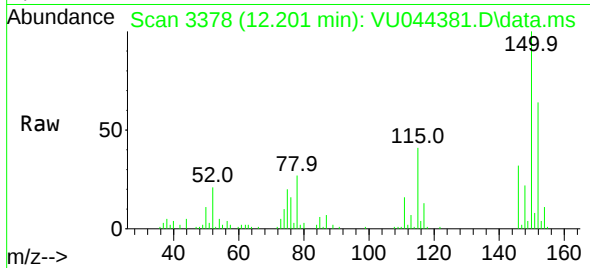




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.964 ug/l
 RT: 12.201 min Scan# 3378
 Delta R.T. 0.003 min
 Lab File: VU044381.D
 Acq: 21 Jul 2021 17:05

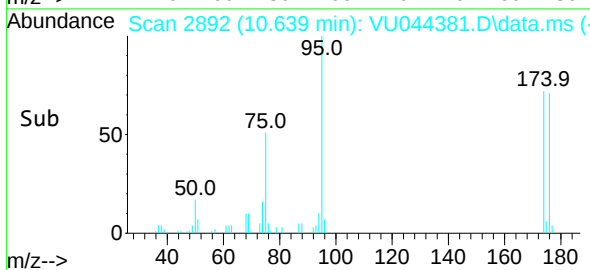
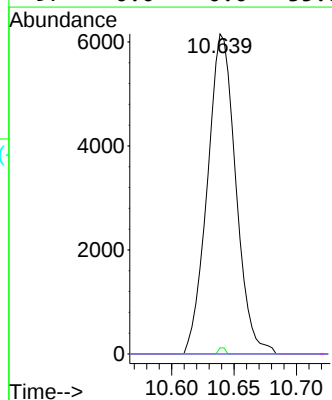
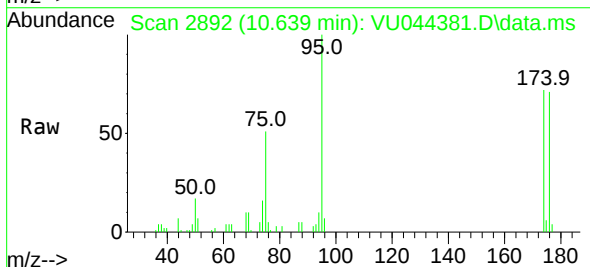
Instrument :
 MSVOA_U
 ClientSampled :

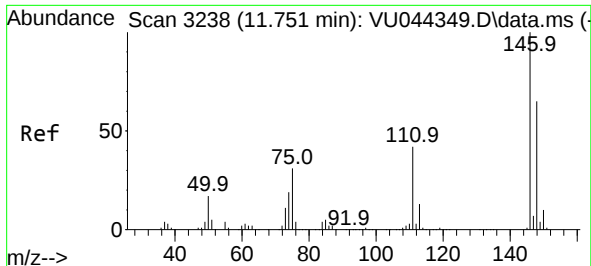
Tgt Ion:152 Resp: 19330
 Ion Ratio Lower Upper
 152 100
 115 64.7 0.0 257.0
 150 183.2 0.0 630.2



#71
 1,2,3-Trichloropropane
 Concen: 0.741 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.199 min
 Lab File: VU044381.D
 Acq: 21 Jul 2021 17:05

Tgt Ion: 75 Resp: 9765
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 111.4
 110 0.0 0.0 74.6
 97 0.0 0.0 35.8

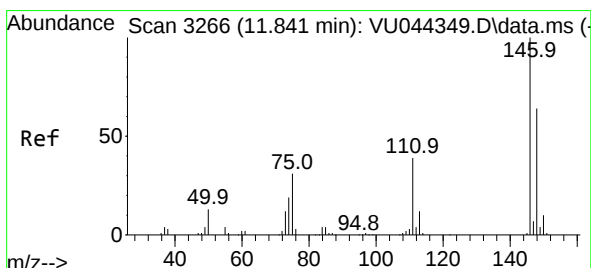
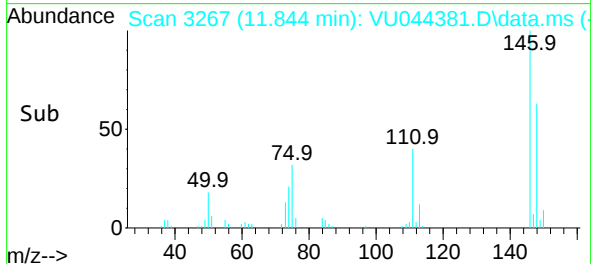
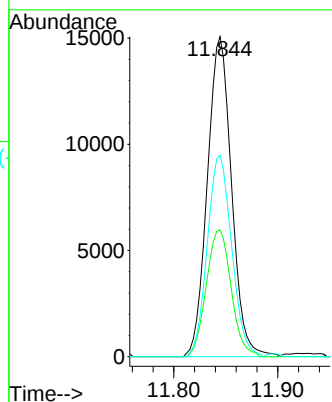
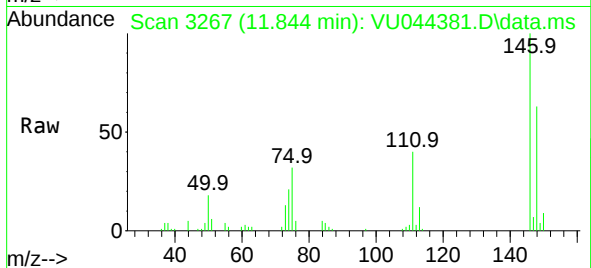




#82
1,3-Dichlorobenzene
Concen: 0.751 ug/l
RT: 11.844 min Scan# 3267
Delta R.T. 0.093 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

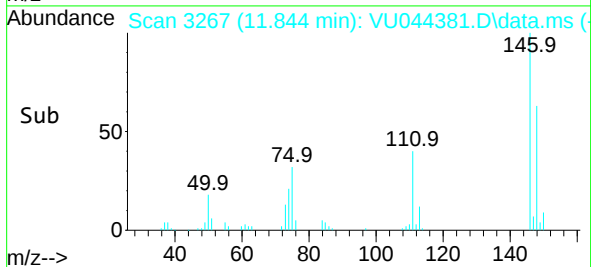
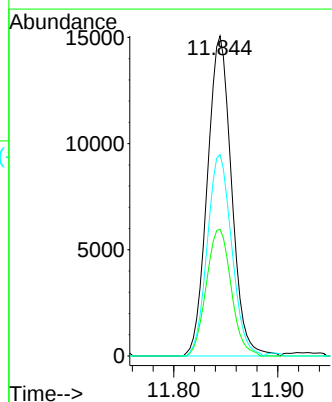
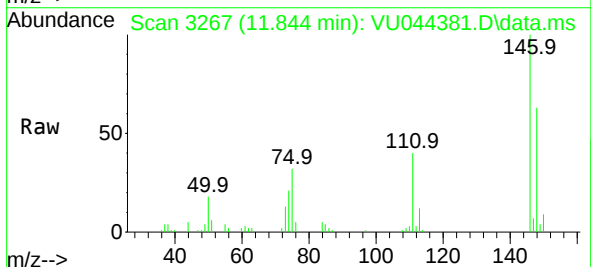
Instrument :
MSVOA_U
ClientSampled :

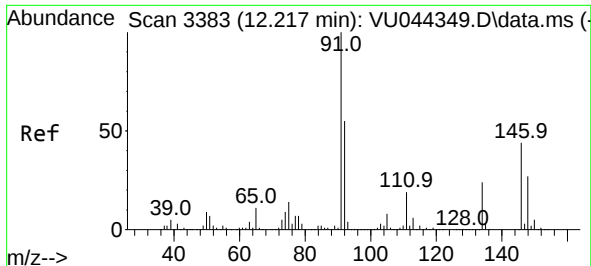
Tgt Ion:146 Resp: 24380
Ion Ratio Lower Upper
146 100
111 40.6 33.3 49.9
148 63.4 50.9 76.3



#83
1,4-Dichlorobenzene
Concen: 0.743 ug/l
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:146 Resp: 24380
Ion Ratio Lower Upper
146 100
111 40.6 32.6 48.8
148 63.4 50.8 76.2

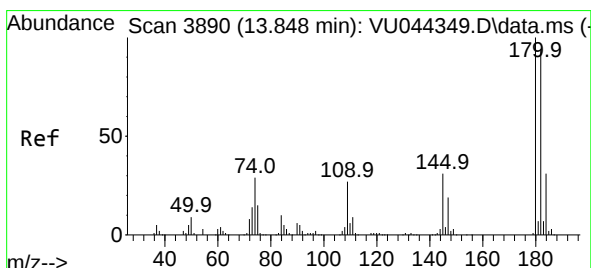
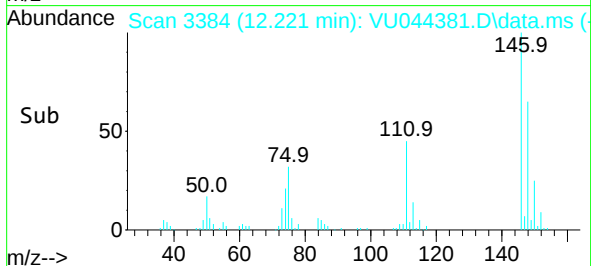
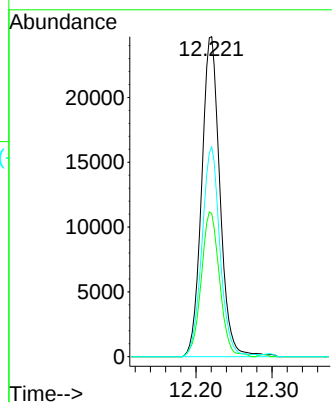
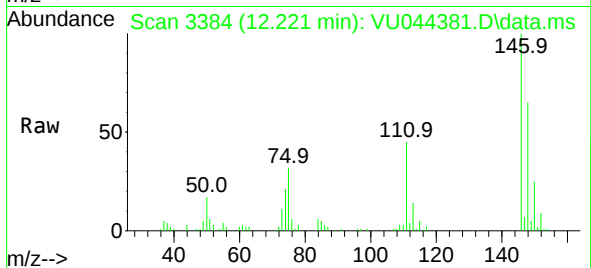




#85
1,2-Dichlorobenzene
Concen: 1.310 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:146 Resp: 41216
Ion Ratio Lower Upper
146 100
111 45.2 21.6 64.6
148 65.0 31.9 95.7



#87
1,2,4-Trichlorobenzene
Concen: 3.352 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU044381.D
Acq: 21 Jul 2021 17:05

Tgt Ion:180 Resp: 74618
Ion Ratio Lower Upper
180 100
182 94.9 77.0 115.6
145 31.3 25.8 38.6

