

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045103.D
 Acq On : 04 Oct 2021 17:54
 Operator : SY/MD
 Sample : M3996-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A54

Quant Time: Oct 05 02:47:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

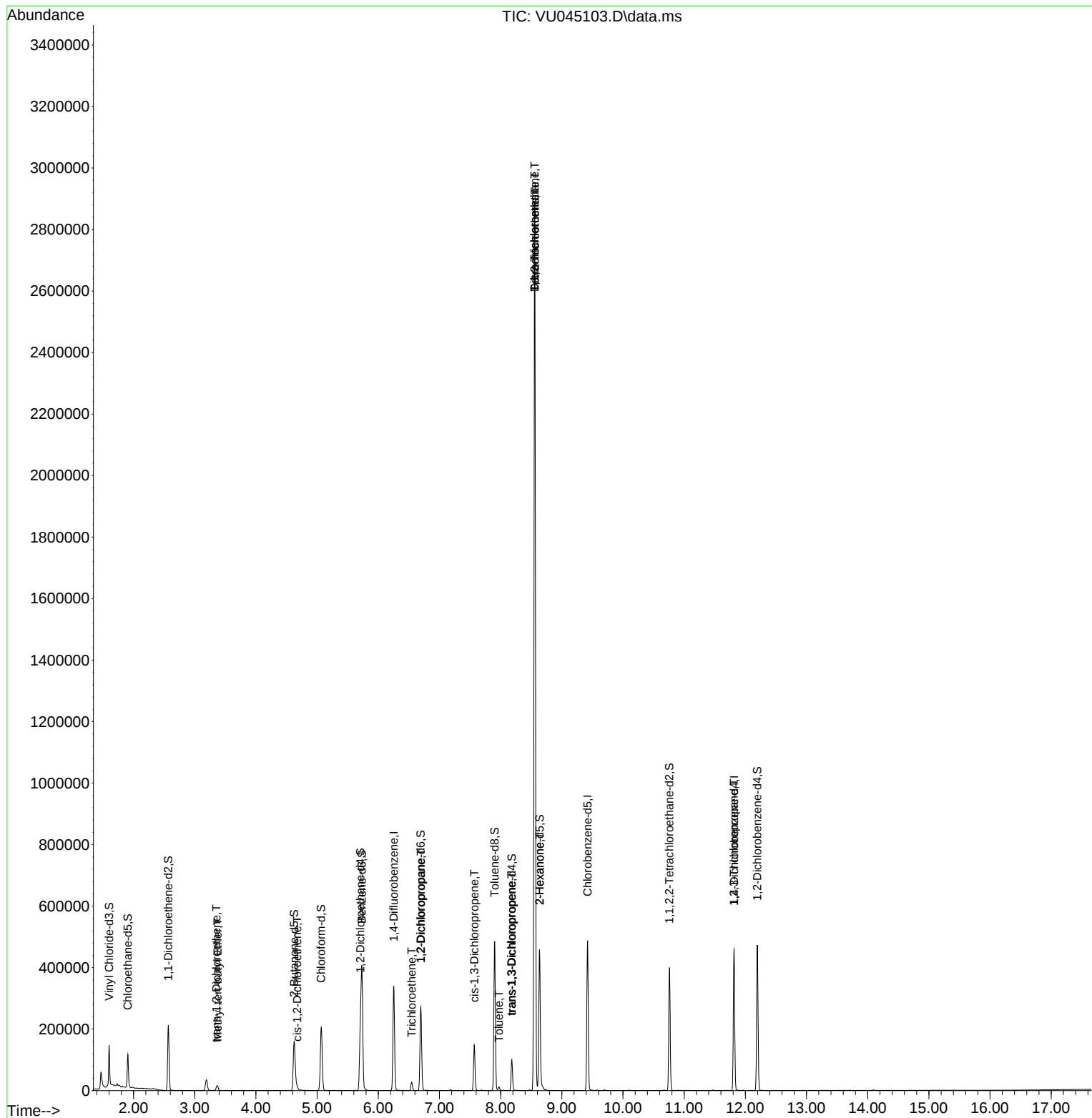
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	262034	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	248039	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	112431	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87489	30.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	61.000%		
7) Chloroethane-d5	1.906	69	81707	35.945	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	71.900%		
11) 1,1-Dichloroethene-d2	2.569	63	125256	26.002	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	52.000%#		
21) 2-Butanone-d5	4.623	46	219257	96.684	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.680%		
24) Chloroform-d	5.067	84	186532	41.173	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.340%		
26) 1,2-Dichloroethane-d4	5.707	65	131361	42.806	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.620%		
32) Benzene-d6	5.733	84	360155	41.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.700%		
36) 1,2-Dichloropropane-d6	6.694	67	123014	43.833	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.660%		
41) Toluene-d8	7.903	98	306916	41.321	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.640%		
43) trans-1,3-Dichloroprop...	8.183	79	53475	42.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.680%		
47) 2-Hexanone-d5	8.636	63	160128	102.961	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.960%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	196544	44.975	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.940%		
66) 1,2-Dichlorobenzene-d4	12.195	152	115466	47.190	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.380%		
Target Compounds						Qvalue
17) trans-1,2-Dichloroethene	3.356	96	1697	0.794	ug/L	89
18) Methyl tert-butyl Ether	3.373	73	14575	2.068	ug/L #	90
20) cis-1,2-Dichloroethene	4.675	96	4308	1.829	ug/L	89
34) Trichloroethene	6.546	95	8934	4.043	ug/L	98
37) 1,2-Dichloropropane	6.697	63	13816	5.516	ug/L #	88
39) cis-1,3-Dichloropropene	7.572	75	3415	0.953	ug/L #	70
42) Toluene	7.974	91	8202	0.877	ug/L	98
44) trans-1,3-Dichloropropene	8.179	75	2352	0.690	ug/L #	70
45) 1,1,2-Trichloroethane	8.556	97	5480	2.414	ug/L #	1
46) Tetrachloroethene	8.559	164	601737	380.993	ug/L	98
48) 2-Hexanone	8.636	43	18546	4.998	ug/L #	68
49) Dibromochloromethane	8.556	129	585105	260.627	ug/L #	11
60) 1,2,3-Trichloropropane	11.813	75	15279	4.913	ug/L #	66

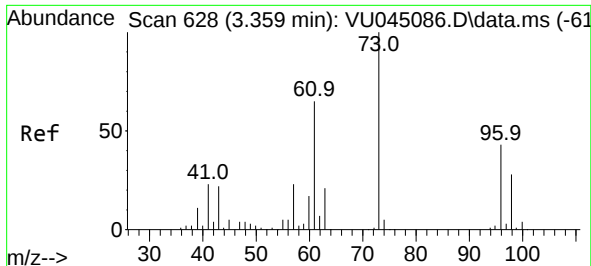
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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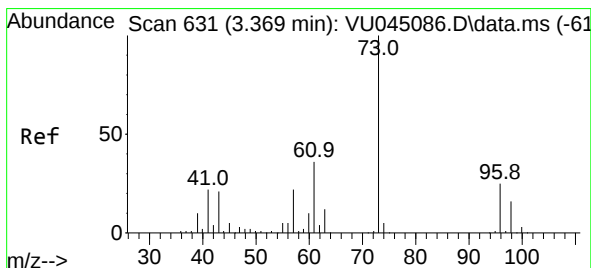
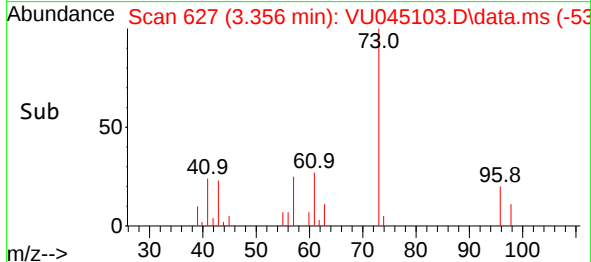
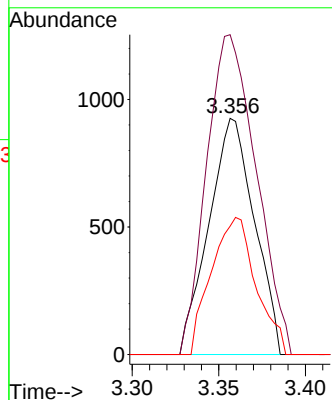
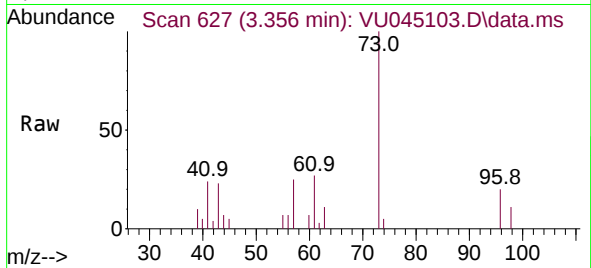




#17
trans-1,2-Dichloroethene
Concen: 0.794 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

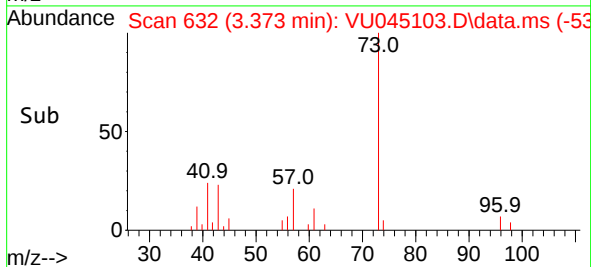
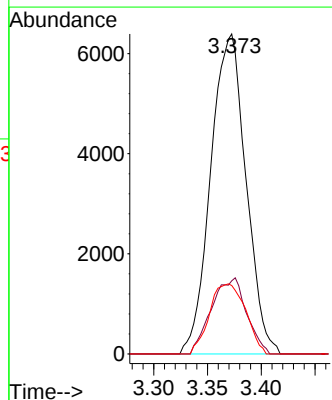
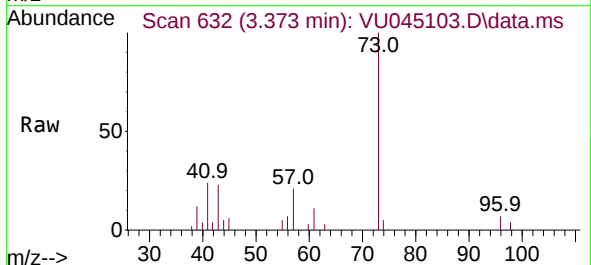
Instrument :
MSVOA_U
ClientSampled :
F4A54

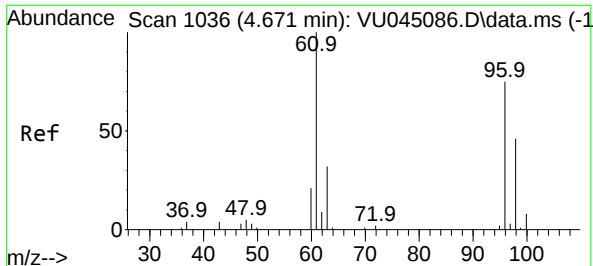
Tgt Ion: 96 Resp: 1697
Ion Ratio Lower Upper
96 100
61 135.4 105.1 195.3
98 54.3 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 2.068 ug/L
RT: 3.373 min Scan# 632
Delta R.T. 0.004 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 73 Resp: 14575
Ion Ratio Lower Upper
73 100
43 12.5 17.3 25.9#
57 22.4 18.7 28.1

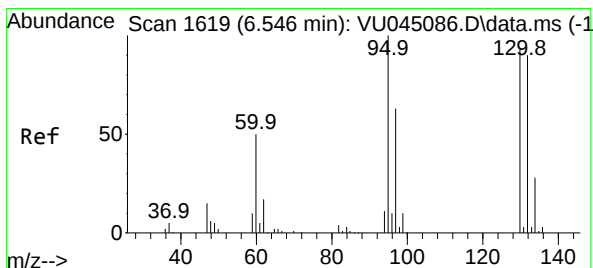
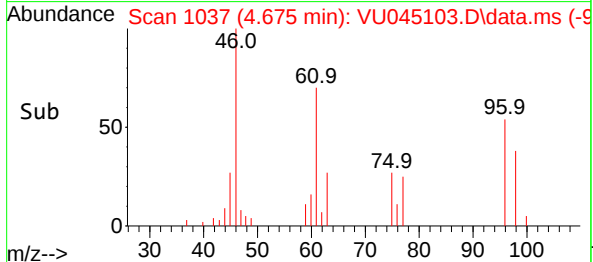
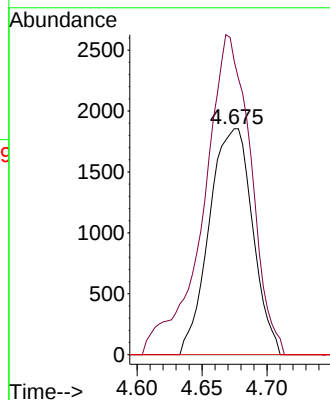
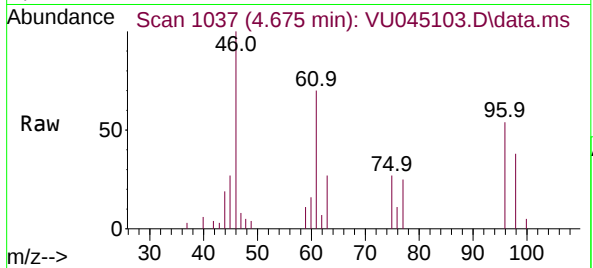




#20
cis-1,2-Dichloroethene
Concen: 1.829 ug/L
RT: 4.675 min Scan# 1037
Delta R.T. 0.004 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

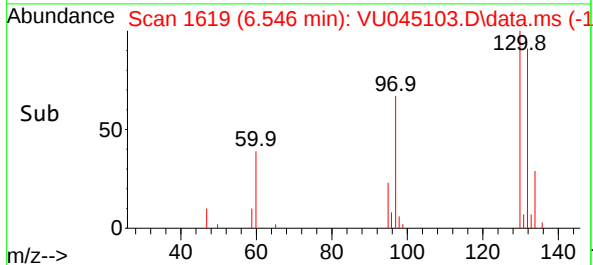
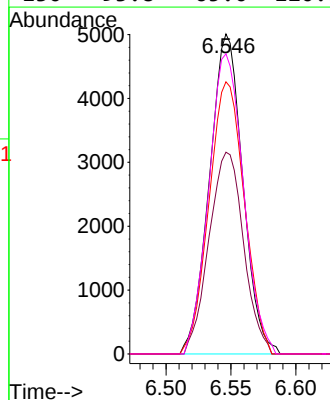
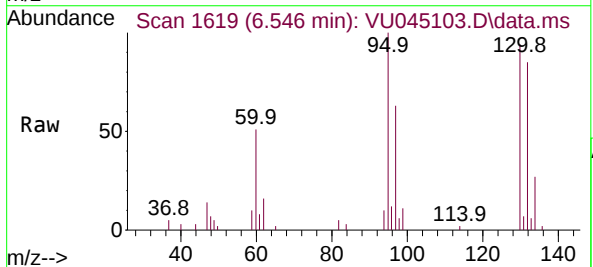
Instrument :
MSVOA_U
ClientSampleId :
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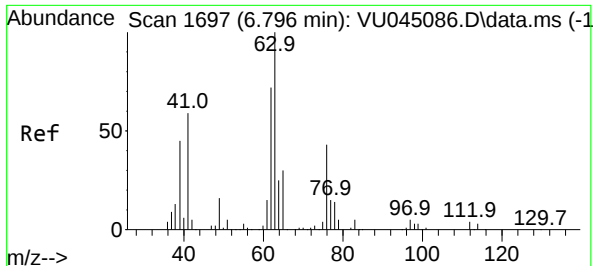
Tgt Ion: 96 Resp: 4308
Ion Ratio Lower Upper
96 100
61 129.8 100.2 186.0
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 4.043 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 95 Resp: 8934
Ion Ratio Lower Upper
95 100
97 63.1 44.4 82.4
132 85.0 62.9 116.9
130 93.8 65.0 120.8



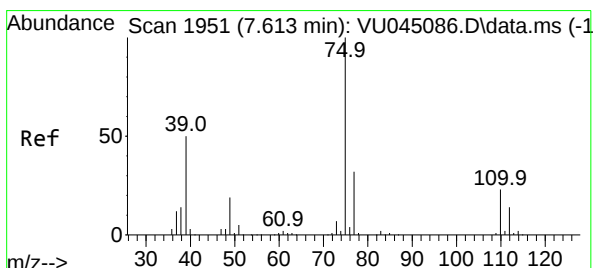
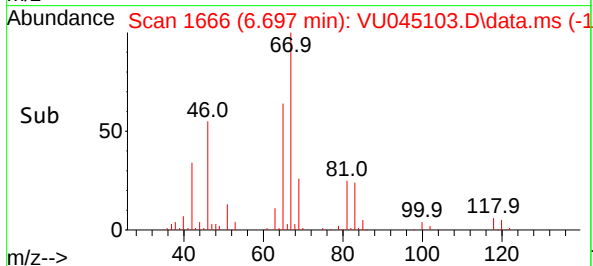
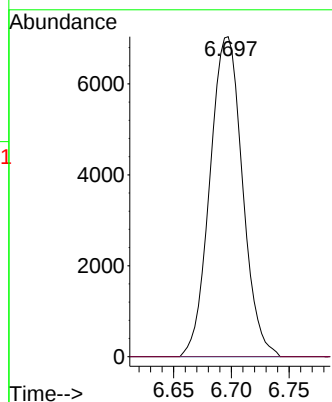
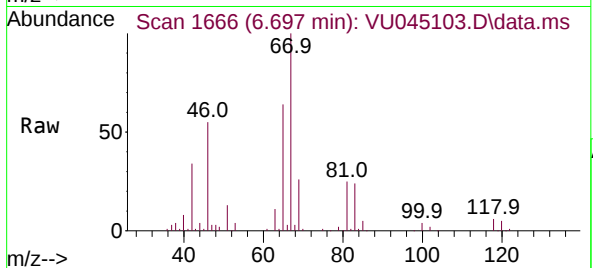


#37

1,2-Dichloropropane
Concen: 5.516 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.099 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Instrument :
MSVOA_U
ClientSampled :
F4A54

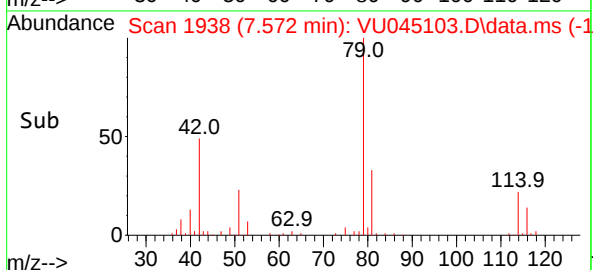
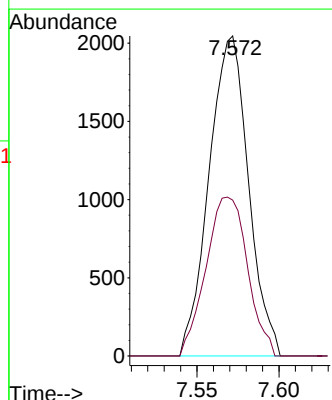
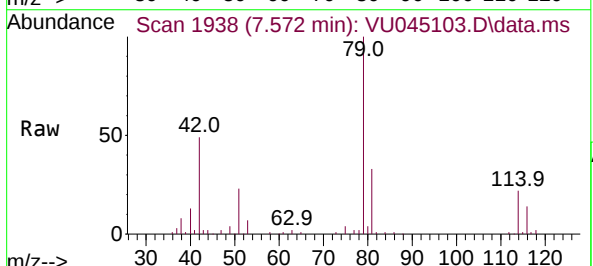
Tgt Ion: 63 Resp: 13816
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

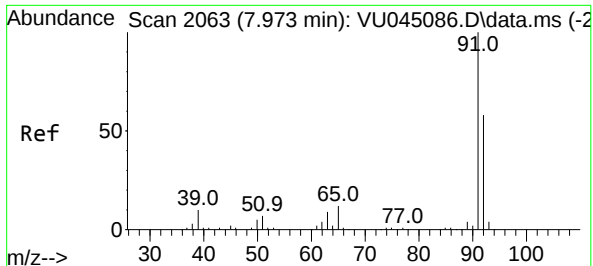


#39

cis-1,3-Dichloropropene
Concen: 0.953 ug/L
RT: 7.572 min Scan# 1938
Delta R.T. -0.041 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 75 Resp: 3415
Ion Ratio Lower Upper
75 100
77 48.7 22.4 41.6#

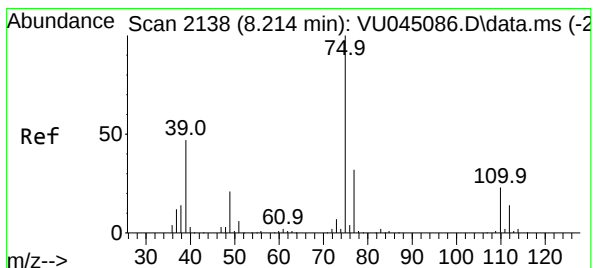
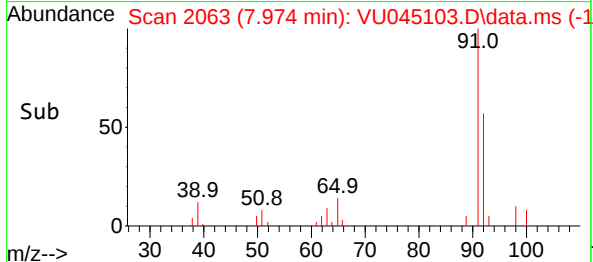
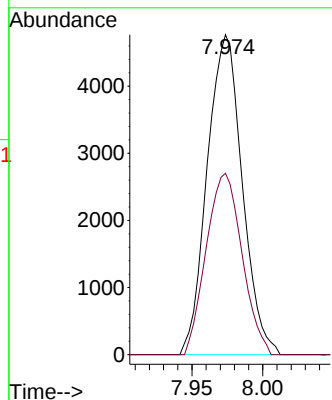
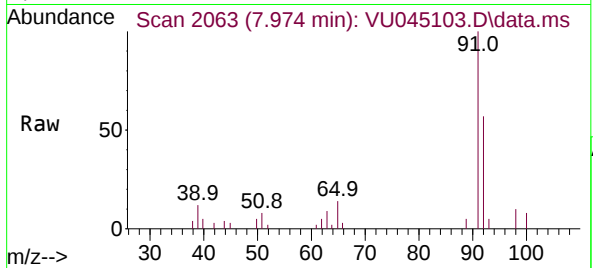




#42
Toluene
Concen: 0.877 ug/L
RT: 7.974 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

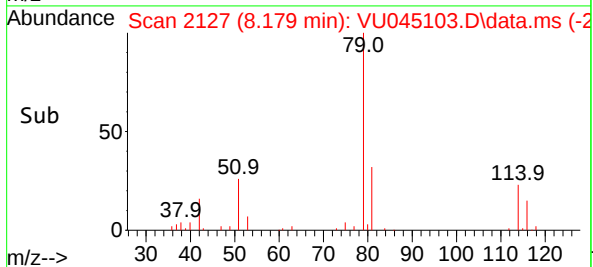
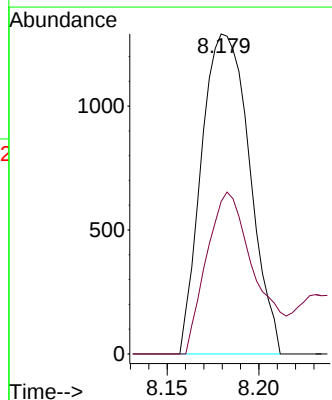
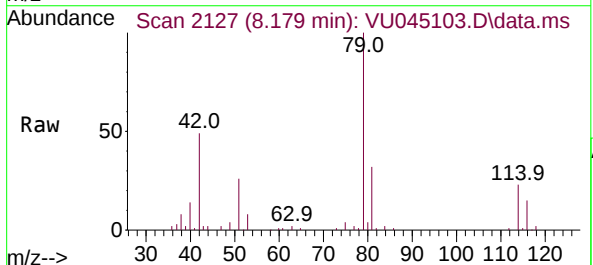
Instrument :
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ClientSampled :
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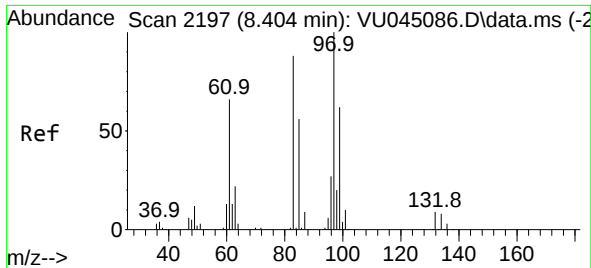
Tgt Ion: 91 Resp: 8202
Ion Ratio Lower Upper
91 100
92 56.7 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.690 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.035 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 75 Resp: 2352
Ion Ratio Lower Upper
75 100
77 47.6 21.7 40.3#



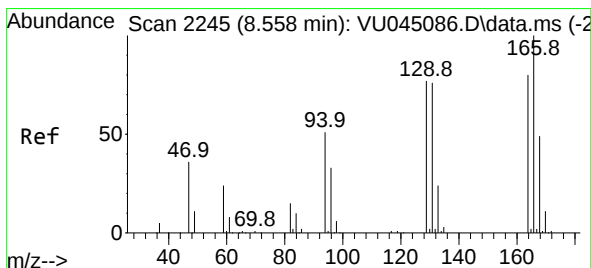
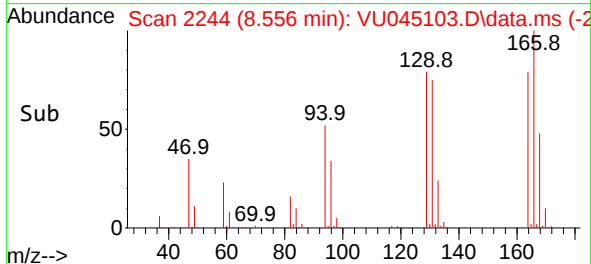
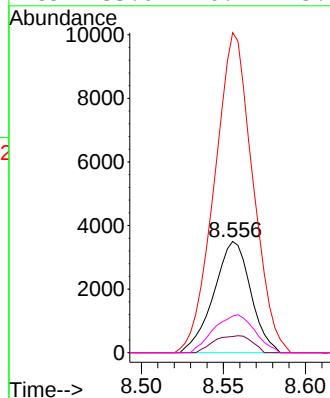
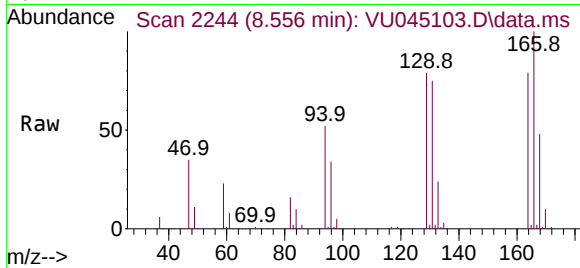


#45
1,1,2-Trichloroethane
Concen: 2.414 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. 0.152 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Instrument :
MSVOA_U
ClientSampled :
F4A54

Tgt Ion: 97 Resp: 5480

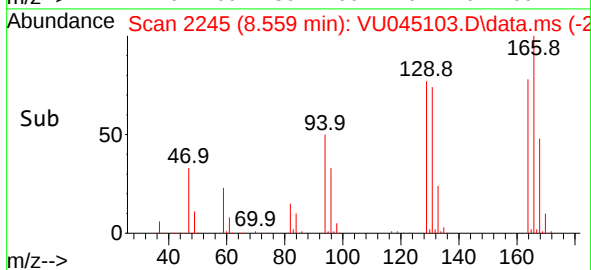
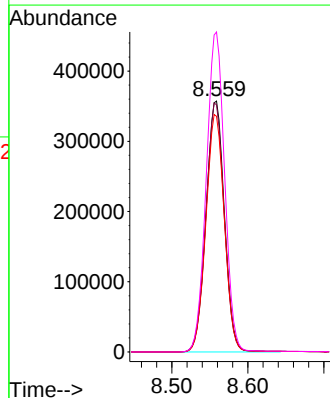
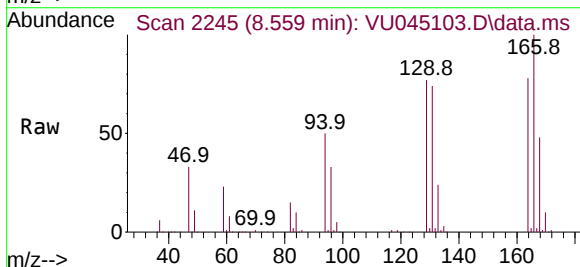
Ion	Ratio	Lower	Upper
97	100		
99	14.5	43.7	81.1#
83	287.9	61.9	115.1#
85	33.0	40.7	75.5#

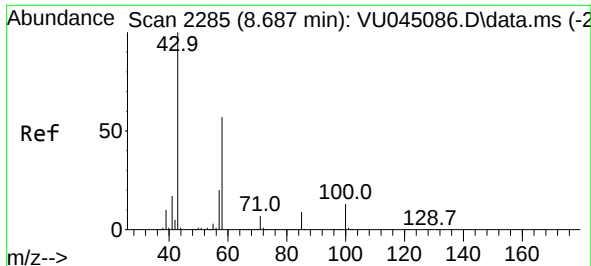


#46
Tetrachloroethene
Concen: 380.993 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion: 164 Resp: 601737

Ion	Ratio	Lower	Upper
164	100		
129	98.5	69.8	129.6
131	93.9	66.4	123.2
166	127.5	91.1	169.3

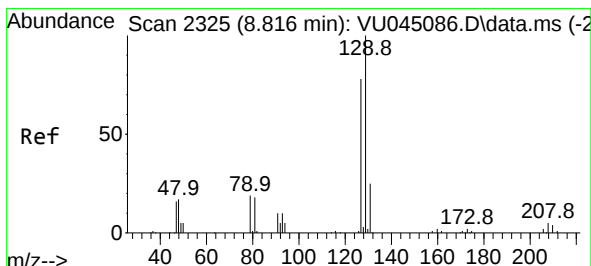
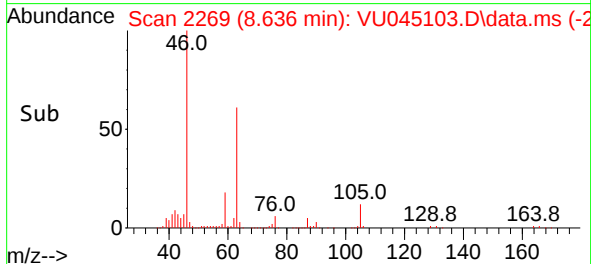
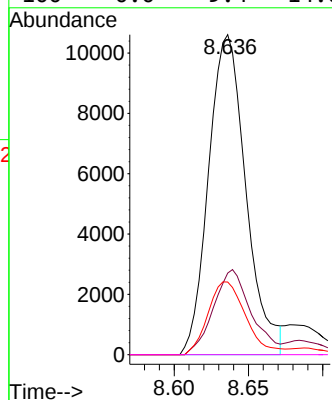
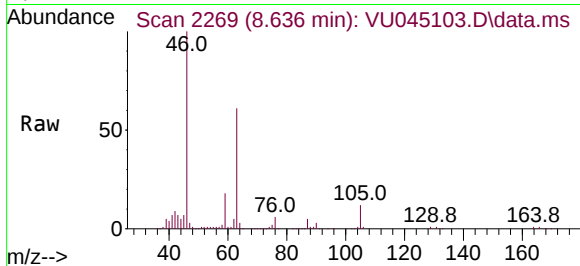




#48
2-Hexanone
Concen: 4.998 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.051 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

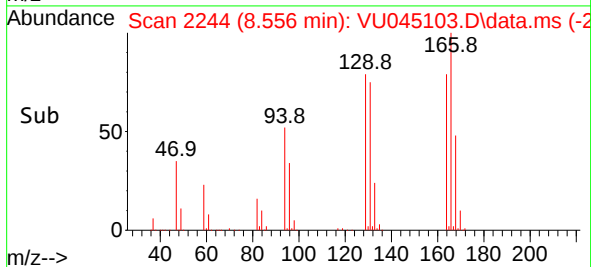
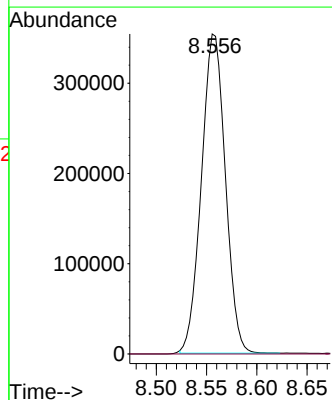
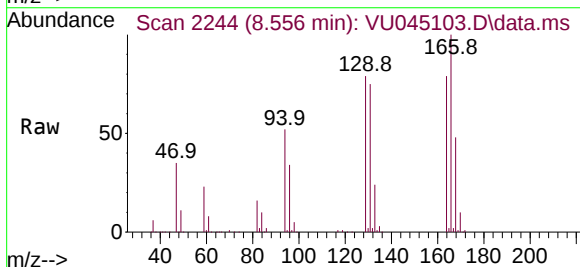
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MSVOA_U
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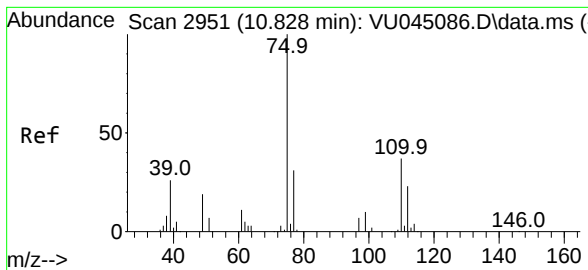
Tgt Ion:	43	Resp:	18546
Ion	Ratio	Lower	Upper
43	100		
58	27.0	44.9	67.3#
57	23.2	15.5	23.3
100	0.0	9.4	14.0#



#49
Dibromochloromethane
Concen: 260.627 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. -0.260 min
Lab File: VU045103.D
Acq: 04 Oct 2021 17:54

Tgt Ion:	129	Resp:	585105
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.8#





#60
 1,2,3-Trichloropropane
 Concen: 4.913 ug/L
 RT: 11.813 min Scan# 3257
 Delta R.T. 0.984 min
 Lab File: VU045103.D
 Acq: 04 Oct 2021 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A54

Tgt Ion: 75 Resp: 15279
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.5 38.3
 110 0.3 29.0 43.4#

