

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045241.D
 Acq On : 08 Oct 2021 11:07
 Operator : SY/MD
 Sample : M4023-02 1000X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:30:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

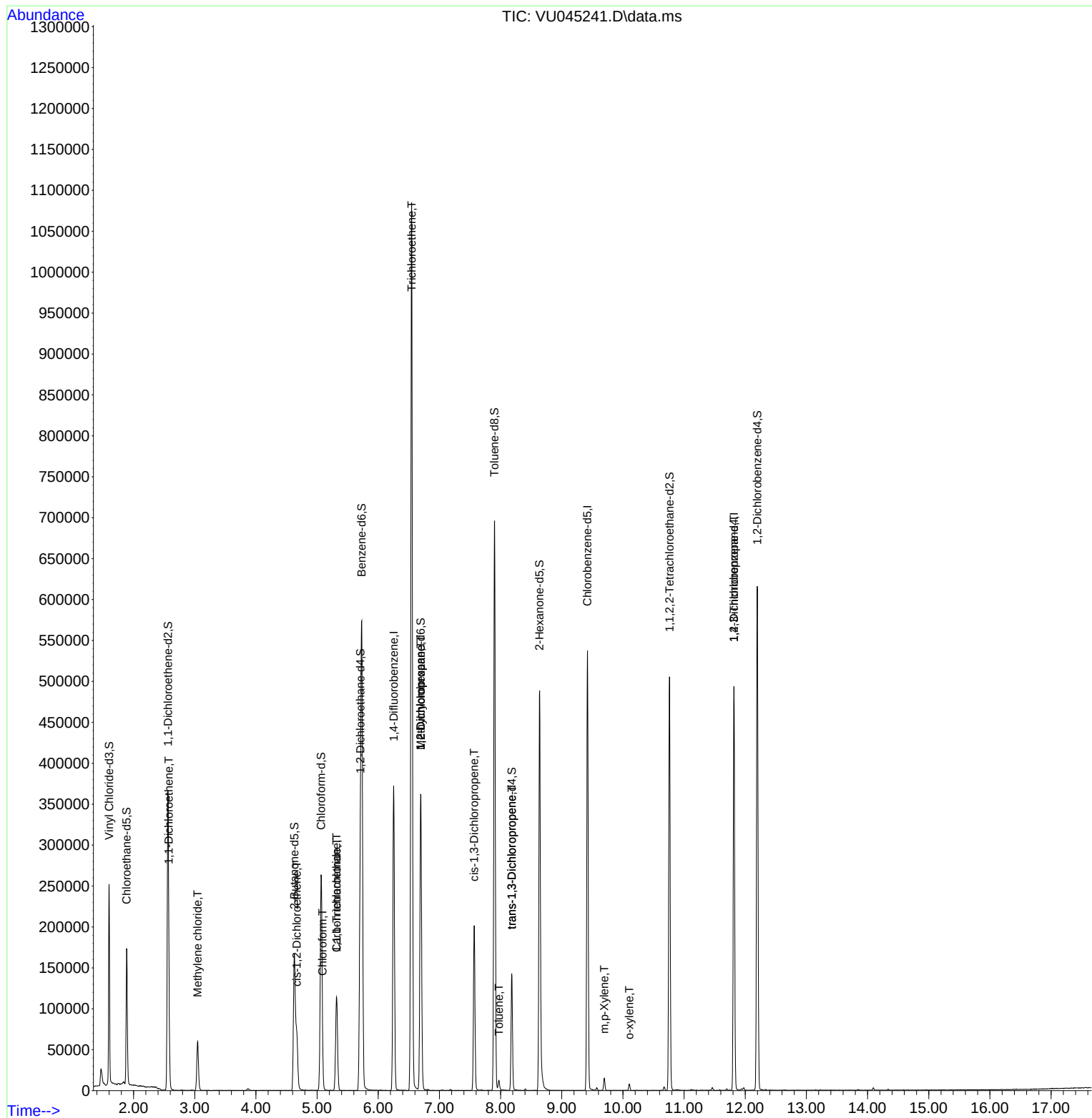
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	284702	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275607	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	121075	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	162961	52.287	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 104.580%		
7) Chloroethane-d5	1.887	69	128988	52.227	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 104.460%		
11) 1,1-Dichloroethene-d2	2.562	63	212561	40.612	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 81.220%		
21) 2-Butanone-d5	4.629	46	236924	96.156	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 96.160%		
24) Chloroform-d	5.067	84	238358	48.423	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 96.840%		
26) 1,2-Dichloroethane-d4	5.707	65	170479	51.129	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 102.260%		
32) Benzene-d6	5.729	84	510846	53.416	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 106.840%		
36) 1,2-Dichloropropane-d6	6.694	67	164386	52.716	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 105.440%		
41) Toluene-d8	7.899	98	440139	53.330	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 106.660%		
43) trans-1,3-Dichloroprop...	8.182	79	74168	53.469	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 106.940%		
47) 2-Hexanone-d5	8.636	63	172387	99.756	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 99.760%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	250770	51.643	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 103.280%		
66) 1,2-Dichlorobenzene-d4	12.198	152	152280	57.793	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 115.580%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	26636	12.081	ug/L #	11
16) Methylene chloride	3.047	84	28581	10.233	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	29628	11.577	ug/L	95
25) Chloroform	5.089	83	4641	0.966	ug/L	88
30) 1,1,1-Trichloroethane	5.317	97	80868	21.196	ug/L	98
31) Carbon tetrachloride	5.317	117	10134	3.363	ug/L	99
34) Trichloroethene	6.546	95	364494	148.455	ug/L	99
35) Methylcyclohexane	6.694	83	38869	9.456	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	18158	6.524	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4731	1.188	ug/L #	63
42) Toluene	7.973	91	8268	0.796	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	3262	0.861	ug/L #	79
53) m,p-Xylene	9.697	106	4215	1.014	ug/L	74
54) o-xylene	10.105	106	2155	0.528	ug/L	96
60) 1,2,3-Trichloropropane	11.816	75	16594	4.955	ug/L #	68

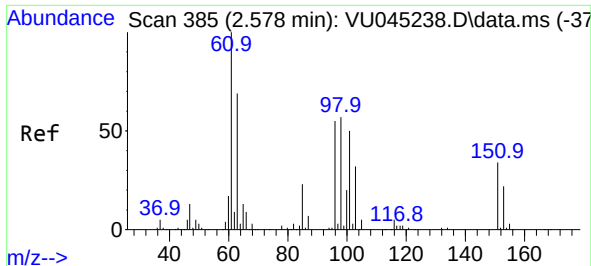
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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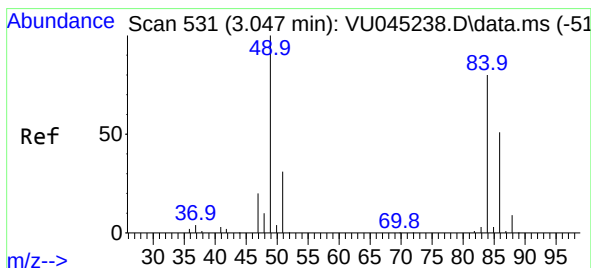
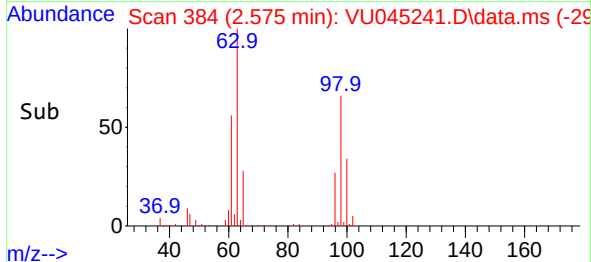
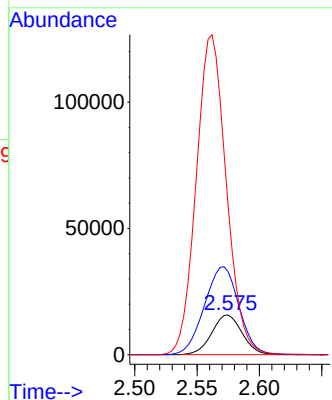
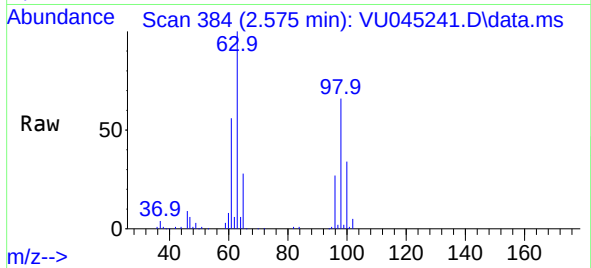




#12
1,1-Dichloroethene
Concen: 12.081 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

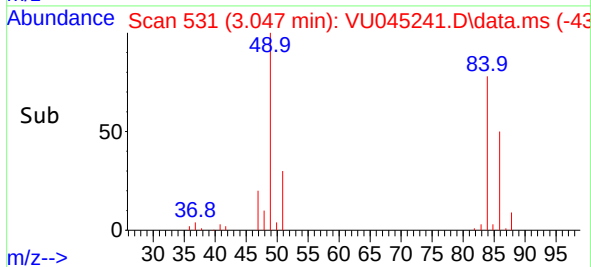
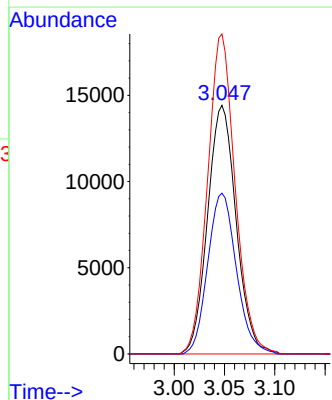
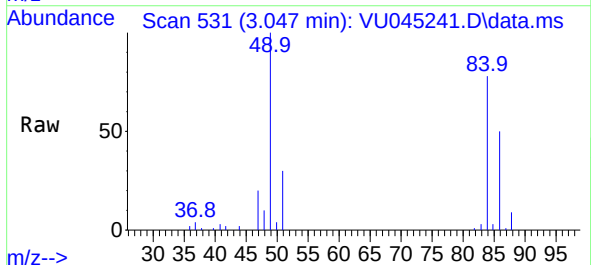
Instrument :
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ClientSampleId :

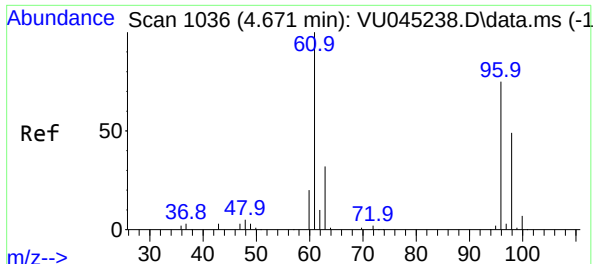
Tgt Ion: 96 Resp: 26636
Ion Ratio Lower Upper
96 100
61 209.5 131.3 243.9
63 377.2 102.5 190.3#



#16
Methylene chloride
Concen: 10.233 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion: 84 Resp: 28581
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 128.7 92.9 172.5

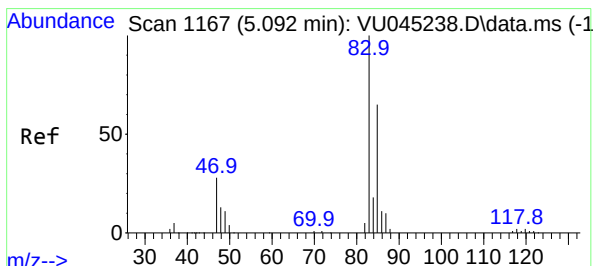
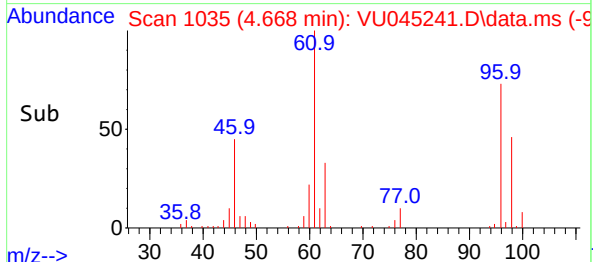
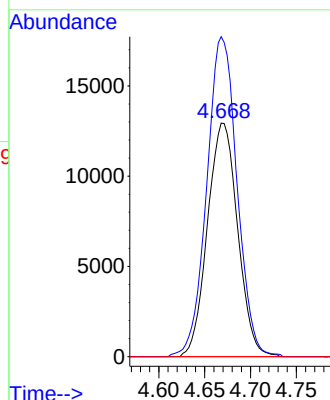
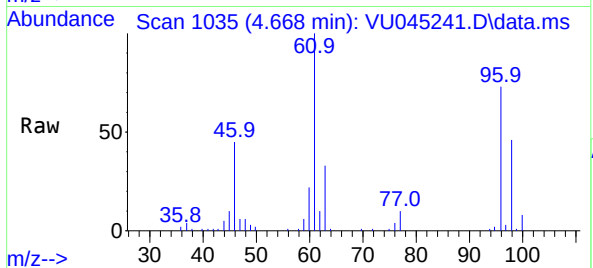




#20
cis-1,2-Dichloroethene
Concen: 11.577 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

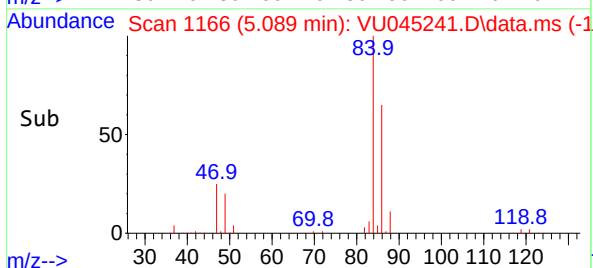
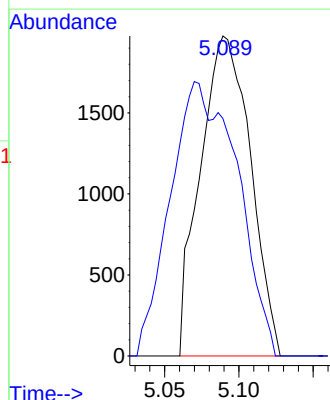
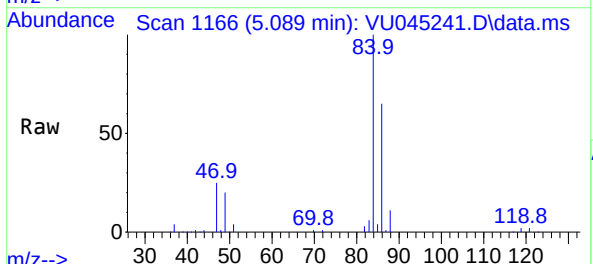
Instrument :
MSVOA_U
ClientSampleId :

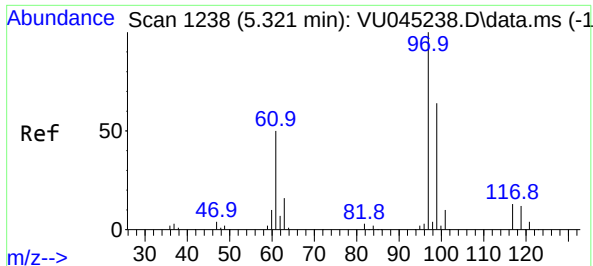
Tgt Ion: 96 Resp: 29628
Ion Ratio Lower Upper
96 100
61 137.0 100.2 186.0
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.966 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion: 83 Resp: 4641
Ion Ratio Lower Upper
83 100
85 74.2 45.6 84.6



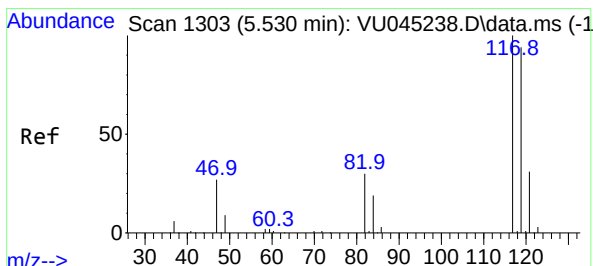
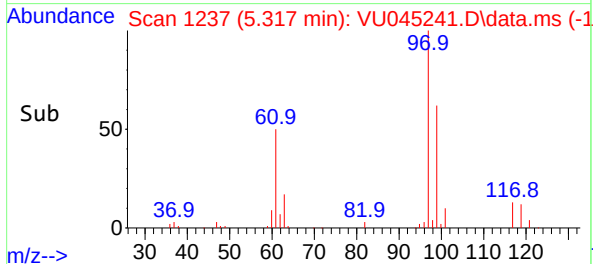
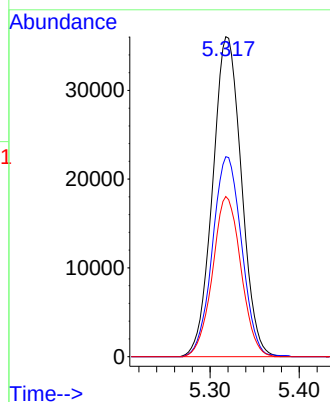
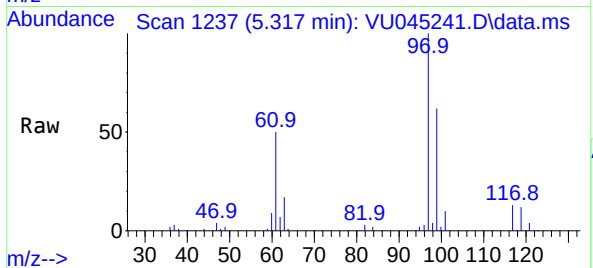


#30

1,1,1-Trichloroethane
Concen: 21.196 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Instrument :
MSVOA_U
ClientSampled :

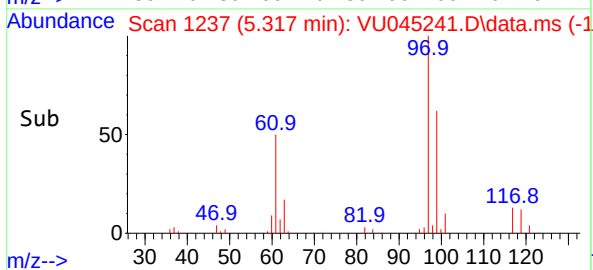
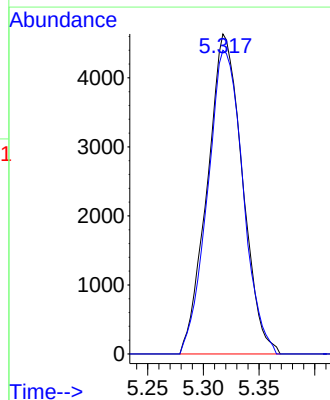
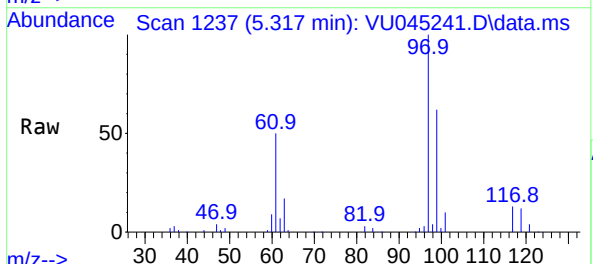
Tgt Ion:	97	Resp:	80868
Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	75.8
61	49.5	41.3	61.9

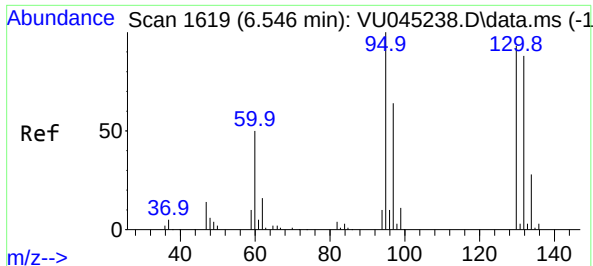


#31

Carbon tetrachloride
Concen: 3.363 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.212 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion:	117	Resp:	10134
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.7	116.5

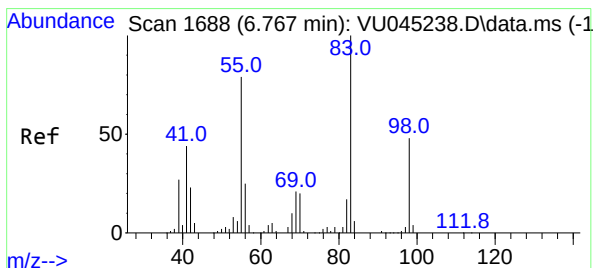
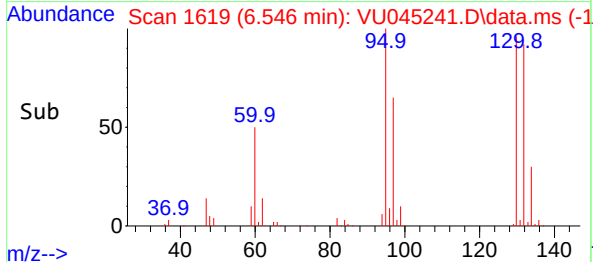
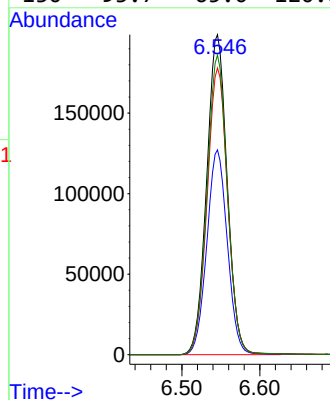
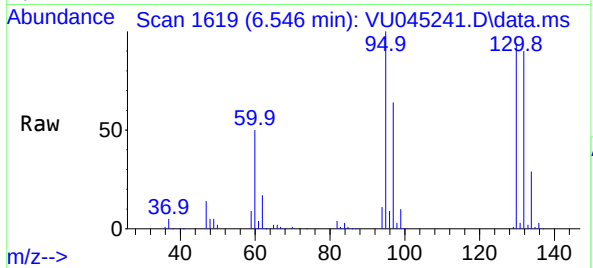




#34
Trichloroethene
Concen: 148.455 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

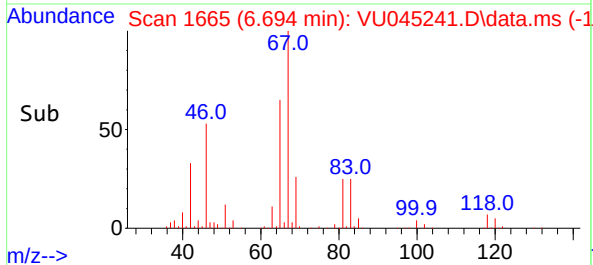
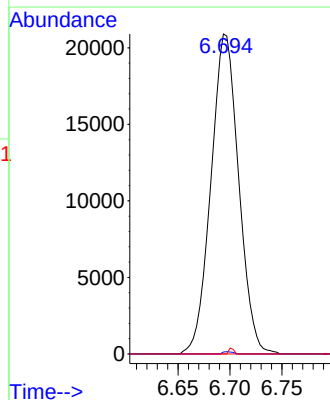
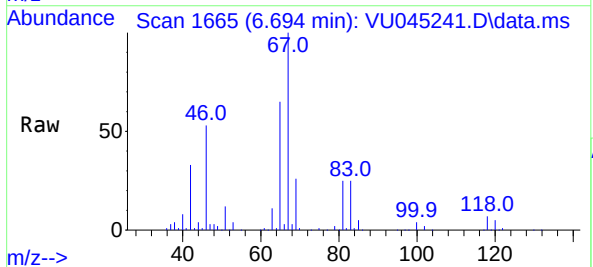
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ClientSampleId :

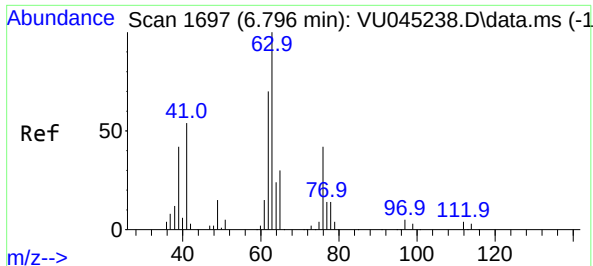
Tgt Ion: 95 Resp: 364494
Ion Ratio Lower Upper
95 100
97 64.0 44.4 82.4
132 89.6 62.9 116.9
130 93.7 65.0 120.8



#35
Methylcyclohexane
Concen: 9.456 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion: 83 Resp: 38869
Ion Ratio Lower Upper
83 100
55 0.2 65.8 98.6#
98 0.3 37.1 55.7#

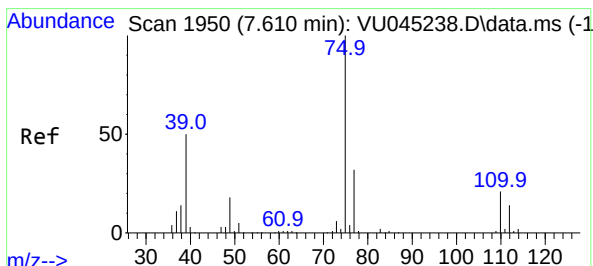
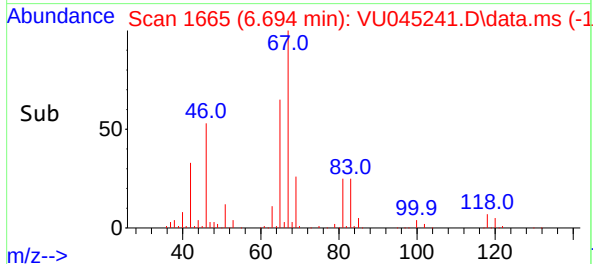
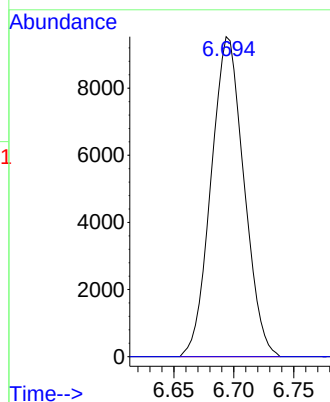
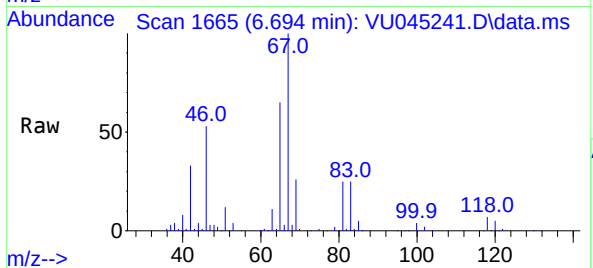




#37
1,2-Dichloropropane
Concen: 6.524 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

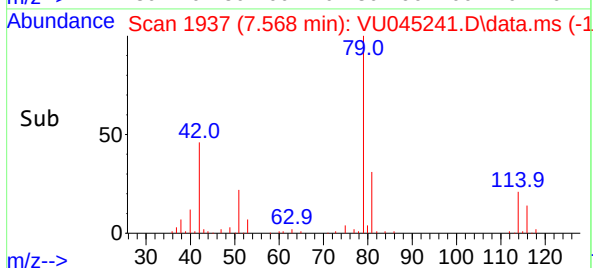
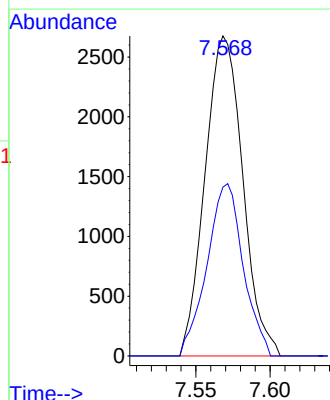
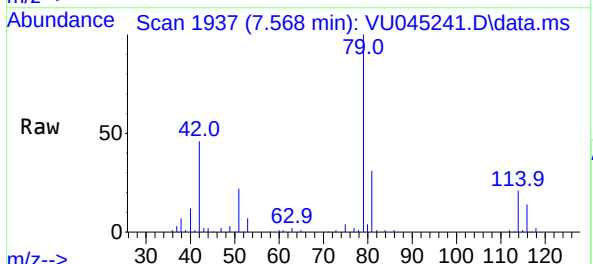
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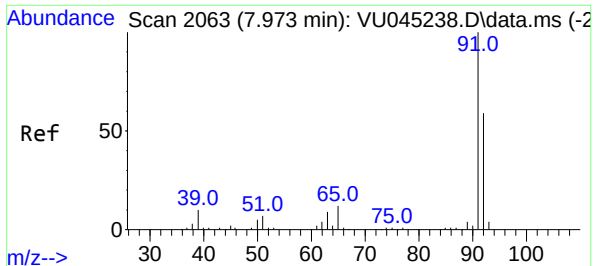
Tgt Ion: 63 Resp: 18158
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 1.188 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion: 75 Resp: 4731
Ion Ratio Lower Upper
75 100
77 52.8 22.4 41.6#

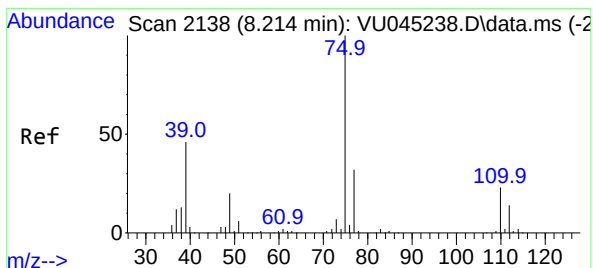
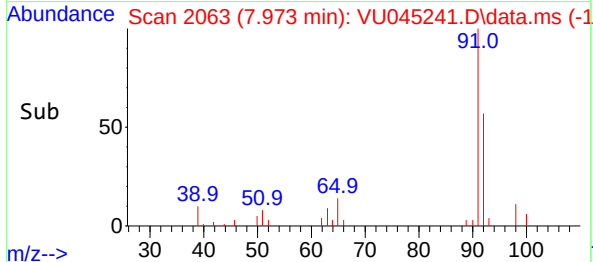
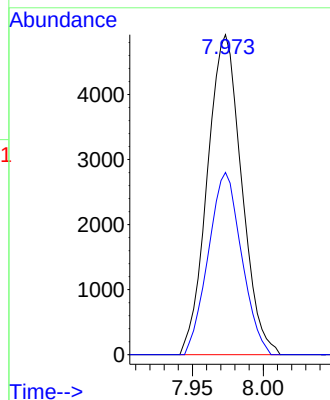
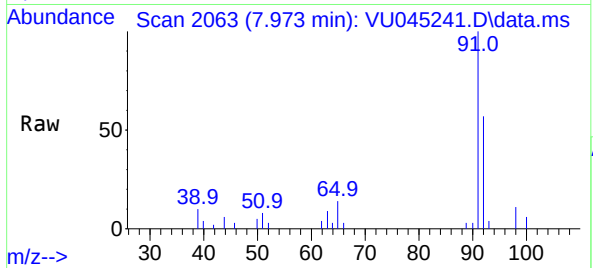




#42
Toluene
Concen: 0.796 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

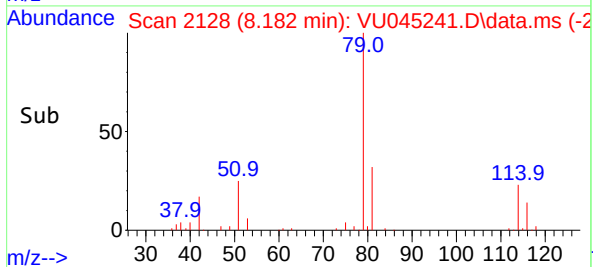
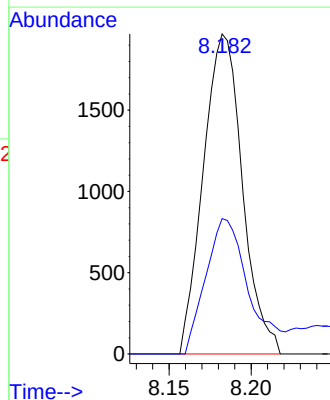
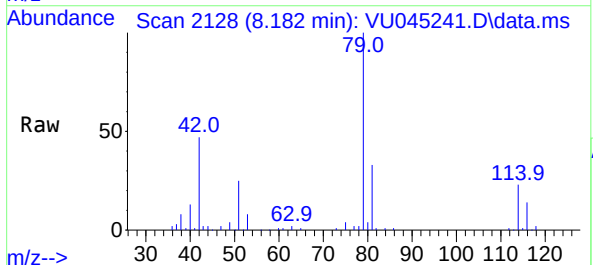
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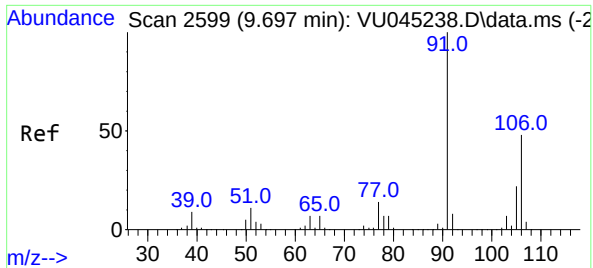
Tgt Ion: 91 Resp: 8268
Ion Ratio Lower Upper
91 100
92 57.0 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.861 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion: 75 Resp: 3262
Ion Ratio Lower Upper
75 100
77 42.3 21.7 40.3#

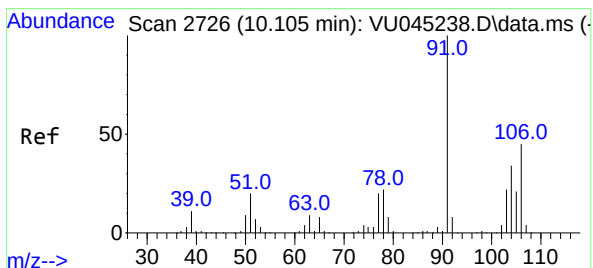
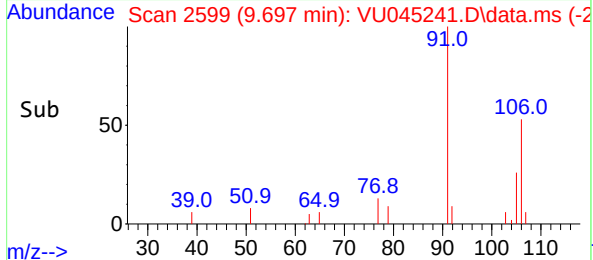
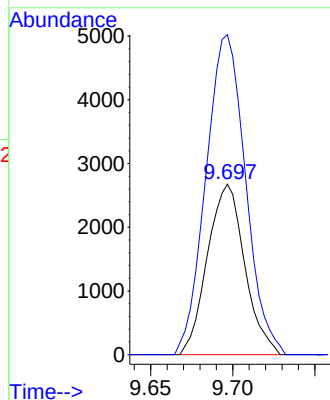
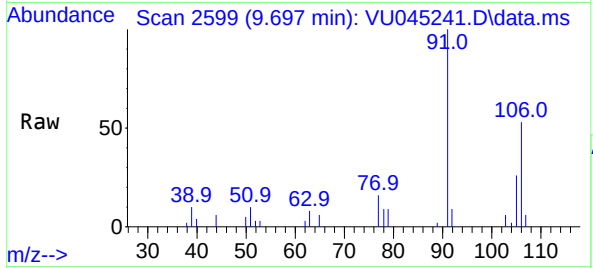




#53
m,p-Xylene
Concen: 1.014 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

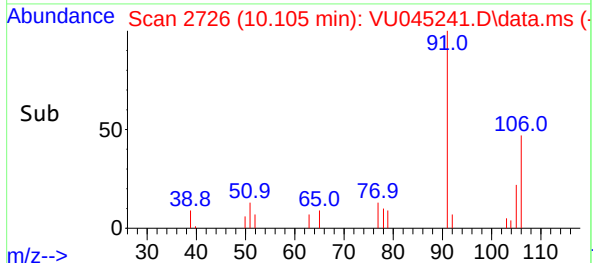
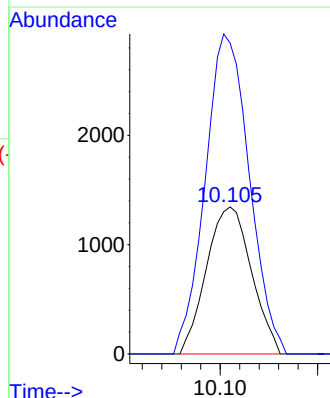
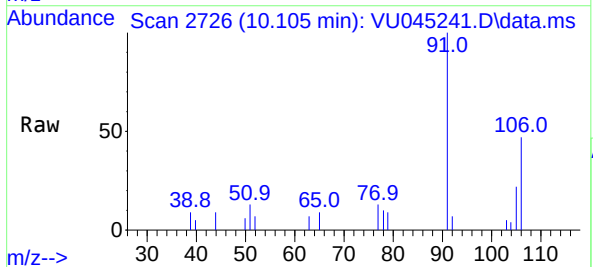
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ClientSampled :

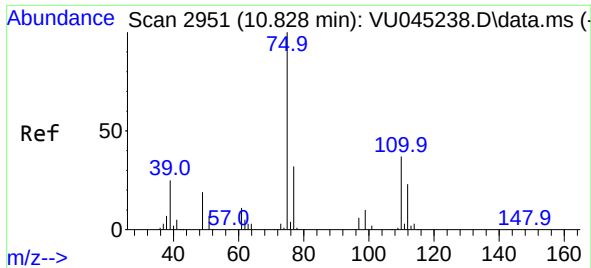
Tgt Ion:106 Resp: 4215
Ion Ratio Lower Upper
106 100
91 169.1 146.7 272.4



#54
o-xylene
Concen: 0.528 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Tgt Ion:106 Resp: 2155
Ion Ratio Lower Upper
106 100
91 211.4 152.9 283.9





#60
1,2,3-Trichloropropane
Concen: 4.955 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045241.D
Acq: 08 Oct 2021 11:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 16594
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3
110 1.9 29.0 43.4#

