

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045235.D
 Acq On : 08 Oct 2021 02:15
 Operator : SY/MD
 Sample : M4027-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT7

Quant Time: Oct 08 02:57:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

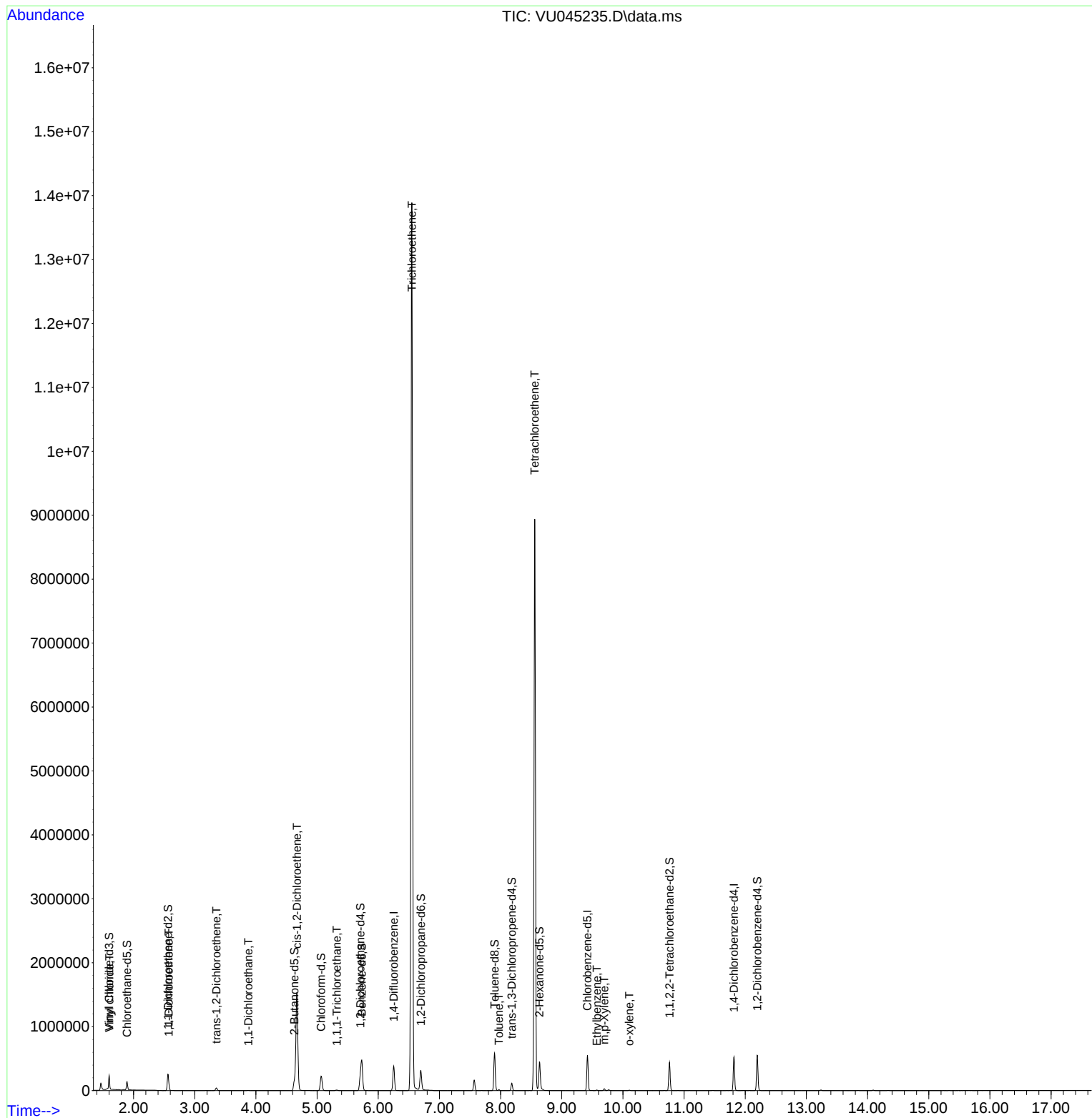
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	297634	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	283690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	126234	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	108962	33.442	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.880%		
7) Chloroethane-d5	1.893	69	97187	37.641	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.280%		
11) 1,1-Dichloroethene-d2	2.562	63	156345	28.574	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.140%#		
21) 2-Butanone-d5	4.629	46	213018	82.698	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.700%		
24) Chloroform-d	5.067	84	205732	39.979	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.960%		
26) 1,2-Dichloroethane-d4	5.706	65	146531	42.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.080%		
32) Benzene-d6	5.732	84	425840	43.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.520%		
36) 1,2-Dichloropropane-d6	6.697	67	136746	42.603	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.200%		
41) Toluene-d8	7.902	98	376042	44.265	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.540%		
43) trans-1,3-Dichloroprop...	8.182	79	60322	42.248	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.500%		
47) 2-Hexanone-d5	8.636	63	151176	84.989	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.990%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	217458	43.507	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.020%		
66) 1,2-Dichlorobenzene-d4	12.198	152	134476	48.950	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.900%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	35409	10.174	ug/L #	27
12) 1,1-Dichloroethene	2.575	96	7187	3.118	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	16776	6.909	ug/L	95
19) 1,1-Dichloroethane	3.877	63	3993	0.791	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	766132	286.358	ug/L	93
30) 1,1,1-Trichloroethane	5.324	97	6807	1.733	ug/L	92
34) Trichloroethene	6.549	95	4683858	1853.332	ug/L	99
42) Toluene	7.973	91	10015	0.937	ug/L	100
46) Tetrachloroethene	8.558	164	1834203	1015.393	ug/L	98
52) Ethylbenzene	9.574	91	7293	0.646	ug/L	97
53) m,p-Xylene	9.697	106	8378	1.958	ug/L	89
54) o-xylene	10.102	106	1972	0.469	ug/L	88

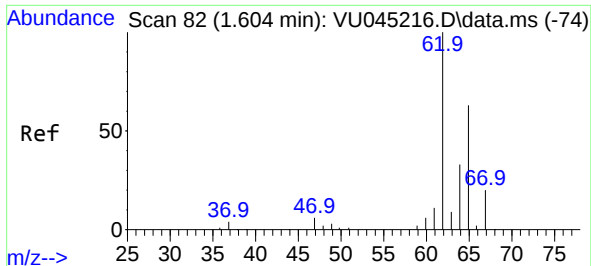
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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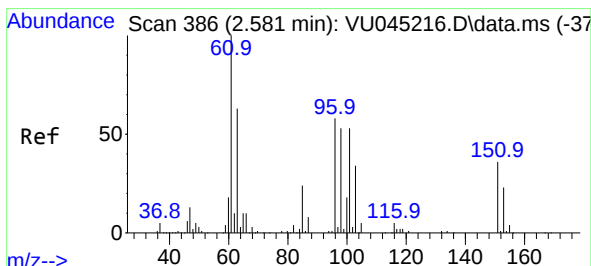
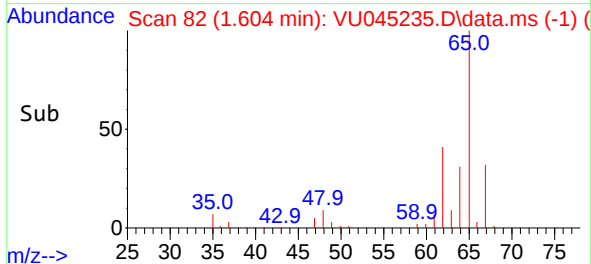
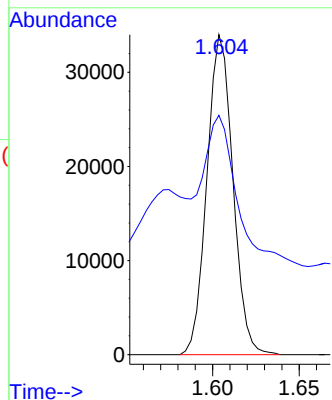
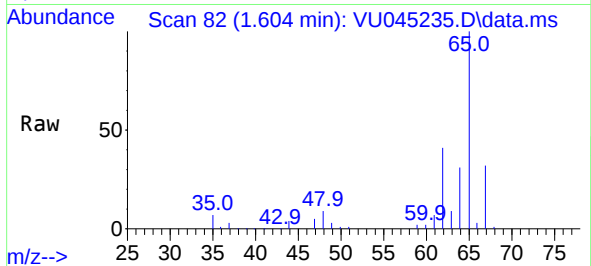




#5
 Vinyl chloride
 Concen: 10.174 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU045235.D
 Acq: 08 Oct 2021 02:15

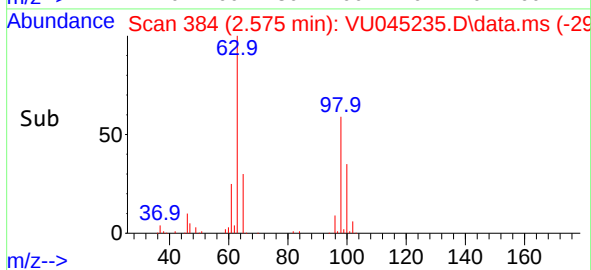
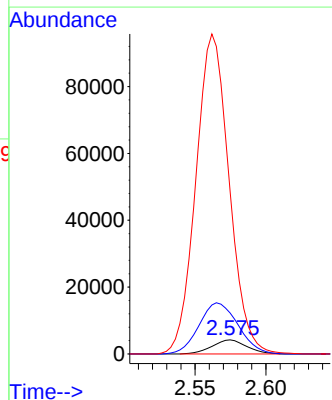
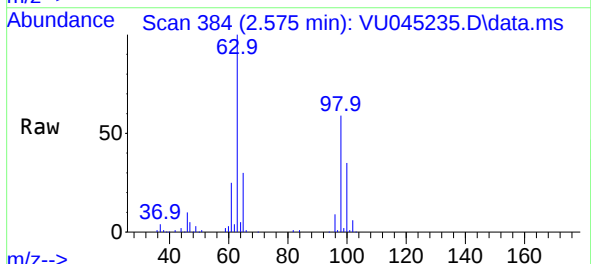
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT7

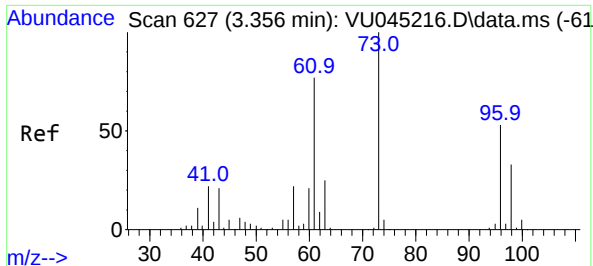
Tgt Ion: 62 Resp: 35409
 Ion Ratio Lower Upper
 62 100
 64 74.8 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 3.118 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.007 min
 Lab File: VU045235.D
 Acq: 08 Oct 2021 02:15

Tgt Ion: 96 Resp: 7187
 Ion Ratio Lower Upper
 96 100
 61 289.2 131.3 243.9#
 63 1147.6 102.5 190.3#

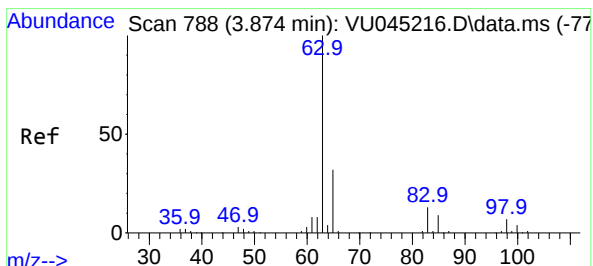
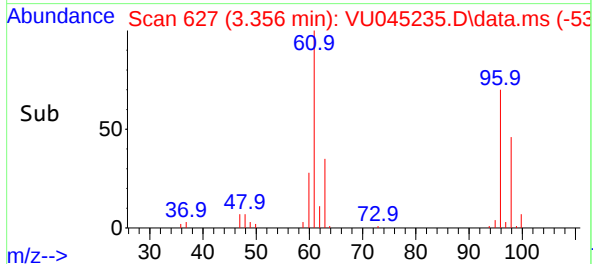
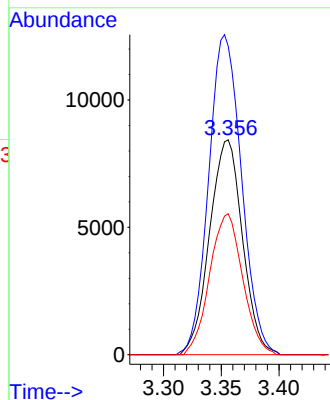
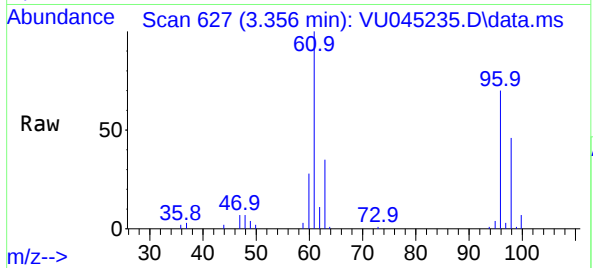




#17
trans-1,2-Dichloroethene
Concen: 6.909 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

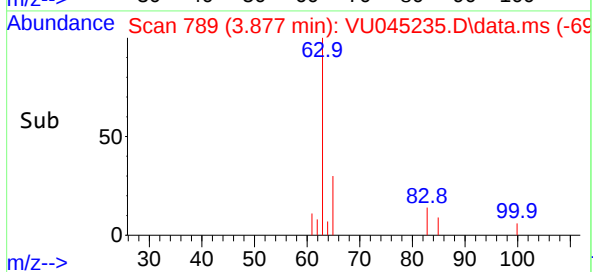
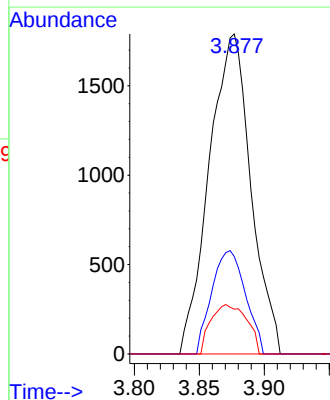
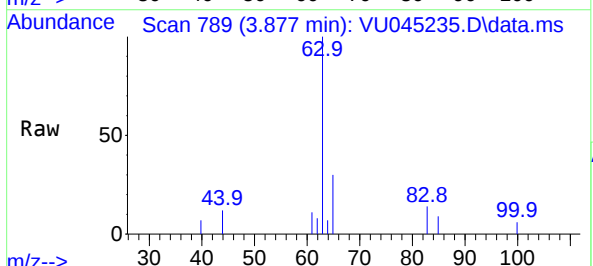
Instrument :
MSVOA_U
ClientSampleId :
C0AT7

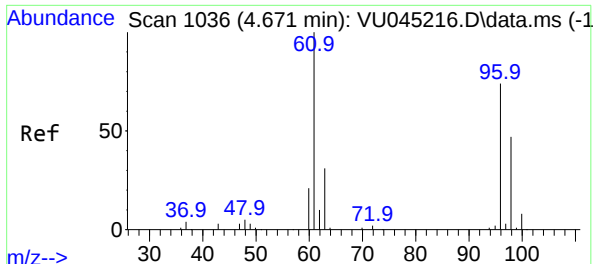
Tgt Ion: 96 Resp: 16776
Ion Ratio Lower Upper
96 100
61 143.6 105.1 195.3
98 65.6 43.0 79.8



#19
1,1-Dichloroethane
Concen: 0.791 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 63 Resp: 3993
Ion Ratio Lower Upper
63 100
65 30.4 22.0 40.8
83 14.0 9.0 16.6

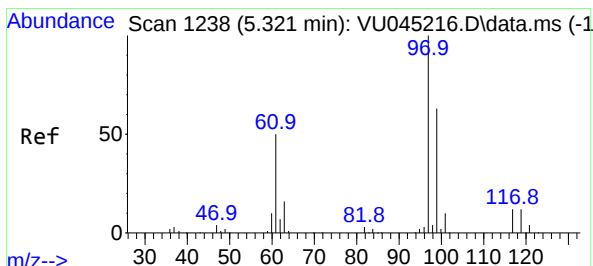
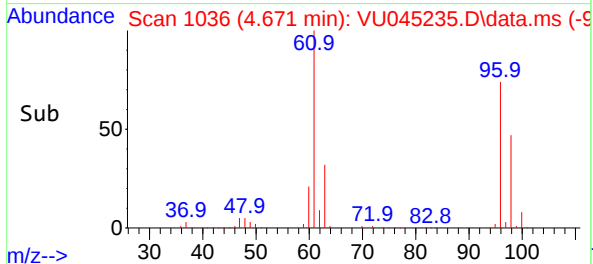
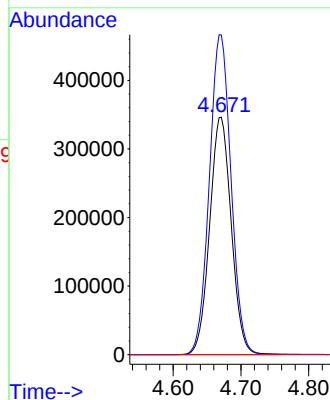
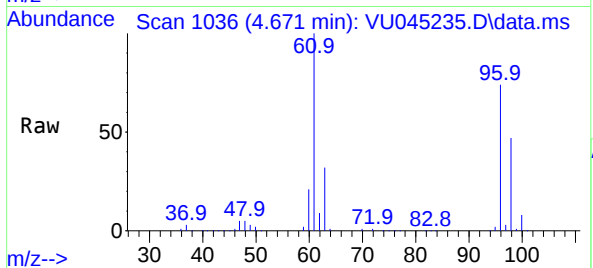




#20
cis-1,2-Dichloroethene
Concen: 286.358 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

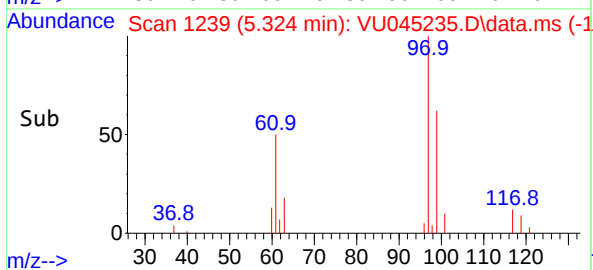
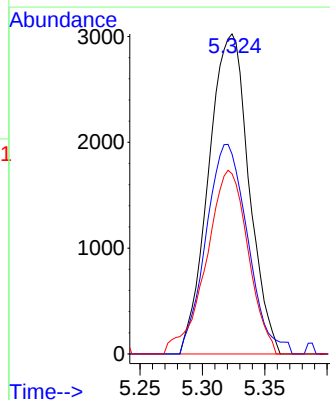
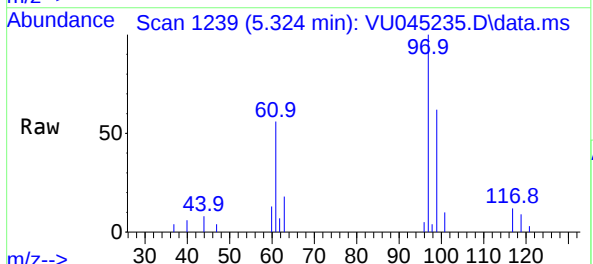
Instrument :
MSVOA_U
ClientSampled :
C0AT7

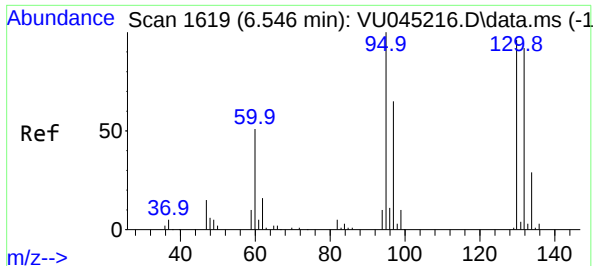
Tgt Ion: 96 Resp: 766132
Ion Ratio Lower Upper
96 100
61 134.6 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 1.733 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 97 Resp: 6807
Ion Ratio Lower Upper
97 100
99 67.4 50.6 75.8
61 59.4 41.3 61.9



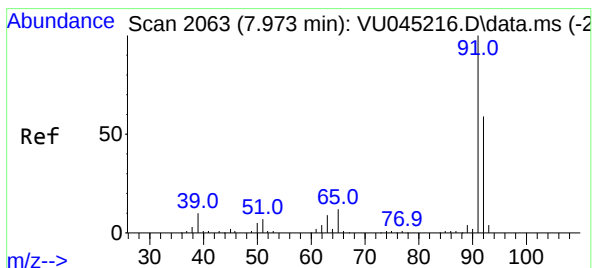
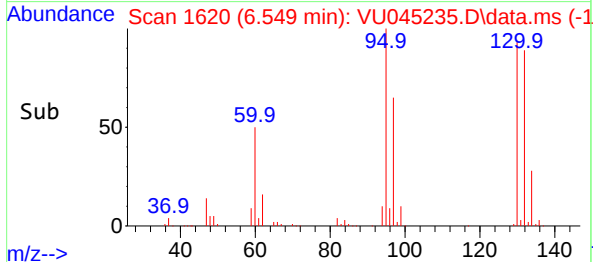
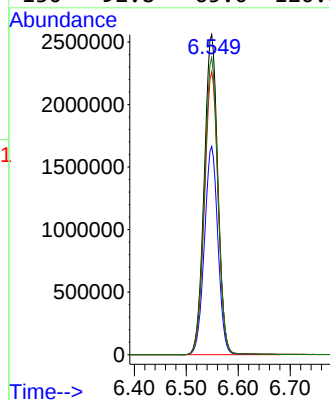
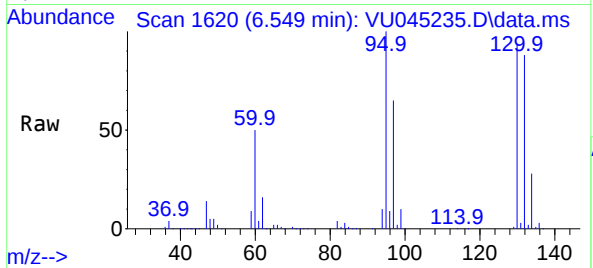


#34
Trichloroethene
Concen: 1853.332 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampleId :
C0AT7

Tgt Ion: 95 Resp: 4683858

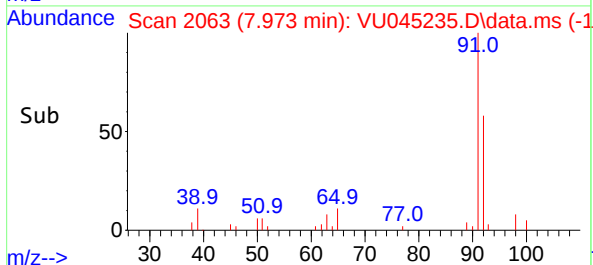
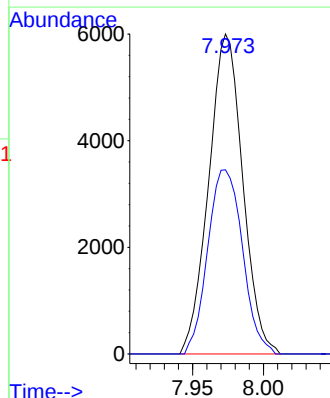
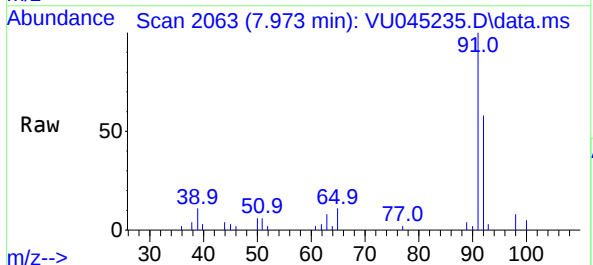
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.4	82.4
132	88.4	62.9	116.9
130	92.8	65.0	120.8

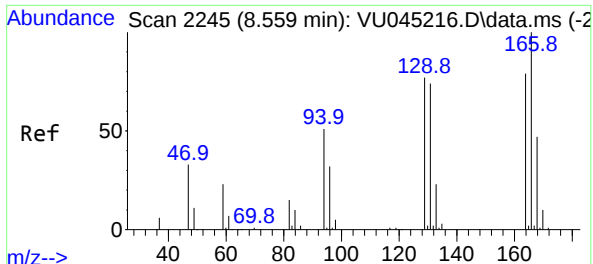


#42
Toluene
Concen: 0.937 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 91 Resp: 10015

Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.5	75.1

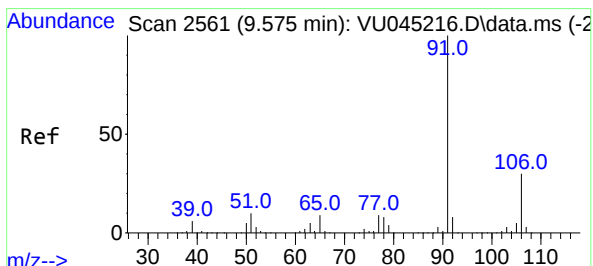
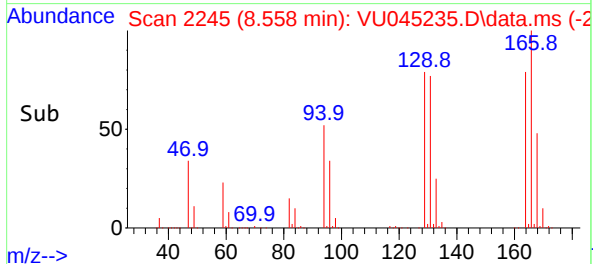
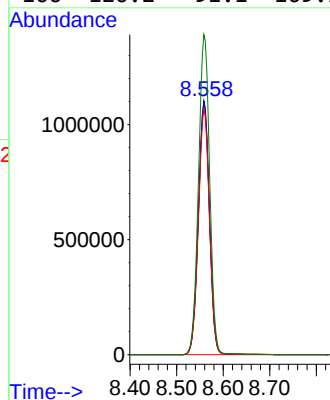
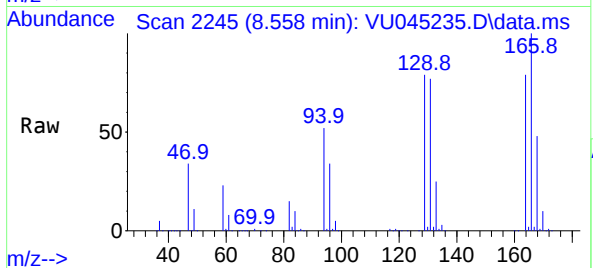




#46
Tetrachloroethene
Concen: 1015.393 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

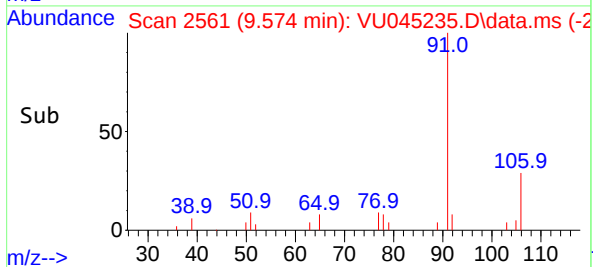
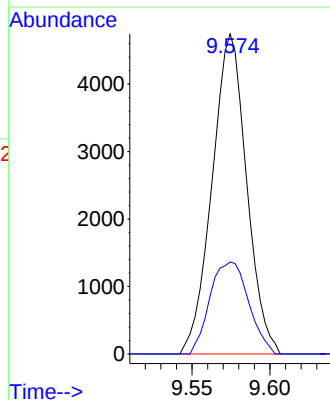
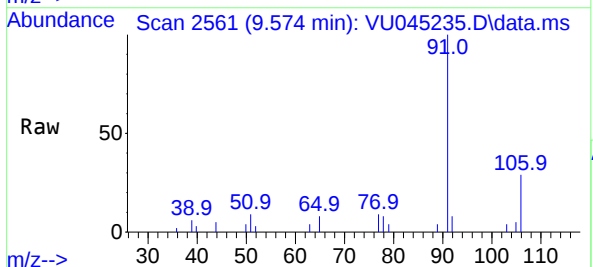
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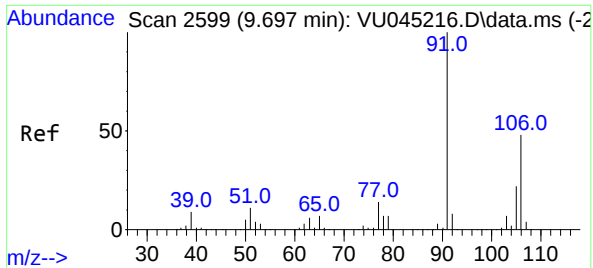
Tgt Ion:164 Resp: 1834203
Ion Ratio Lower Upper
164 100
129 99.7 69.8 129.6
131 96.7 66.4 123.2
166 126.2 91.1 169.3



#52
Ethylbenzene
Concen: 0.646 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion: 91 Resp: 7293
Ion Ratio Lower Upper
91 100
106 28.7 21.2 39.4

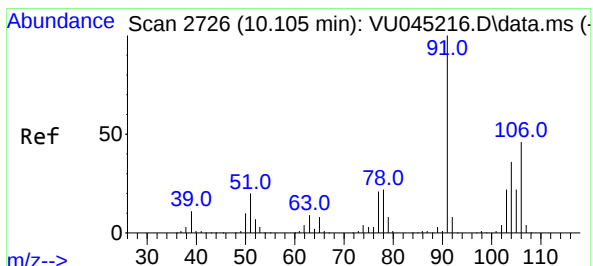
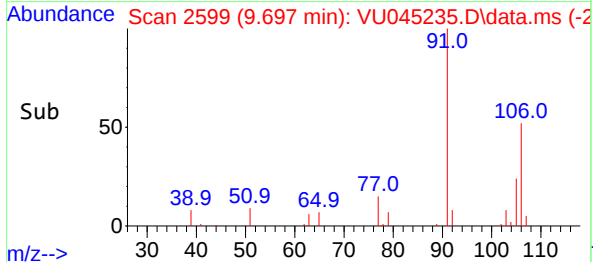
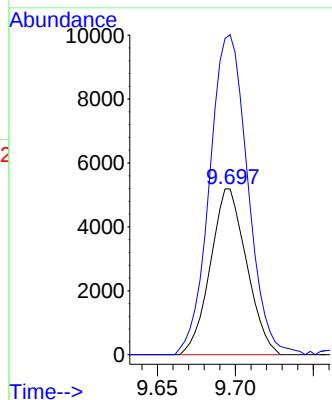
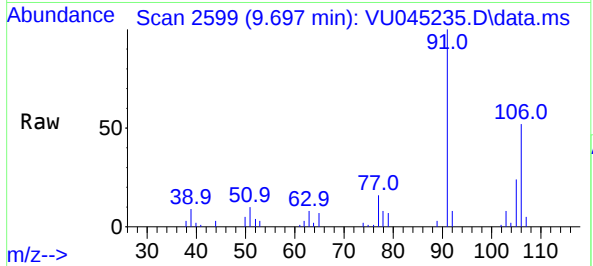




#53
m,p-Xylene
Concen: 1.958 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Instrument :
MSVOA_U
ClientSampled :
C0AT7

Tgt Ion:106 Resp: 8378
Ion Ratio Lower Upper
106 100
91 193.0 146.7 272.4



#54
o-xylene
Concen: 0.469 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045235.D
Acq: 08 Oct 2021 02:15

Tgt Ion:106 Resp: 1972
Ion Ratio Lower Upper
106 100
91 199.6 152.9 283.9

