

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU045181.D
 Acq On : 06 Oct 2021 13:25
 Operator : SY/MD
 Sample : M3996-04 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A16

Quant Time: Oct 07 03:02:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 03:00:32 2021
 Response via : Initial Calibration

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

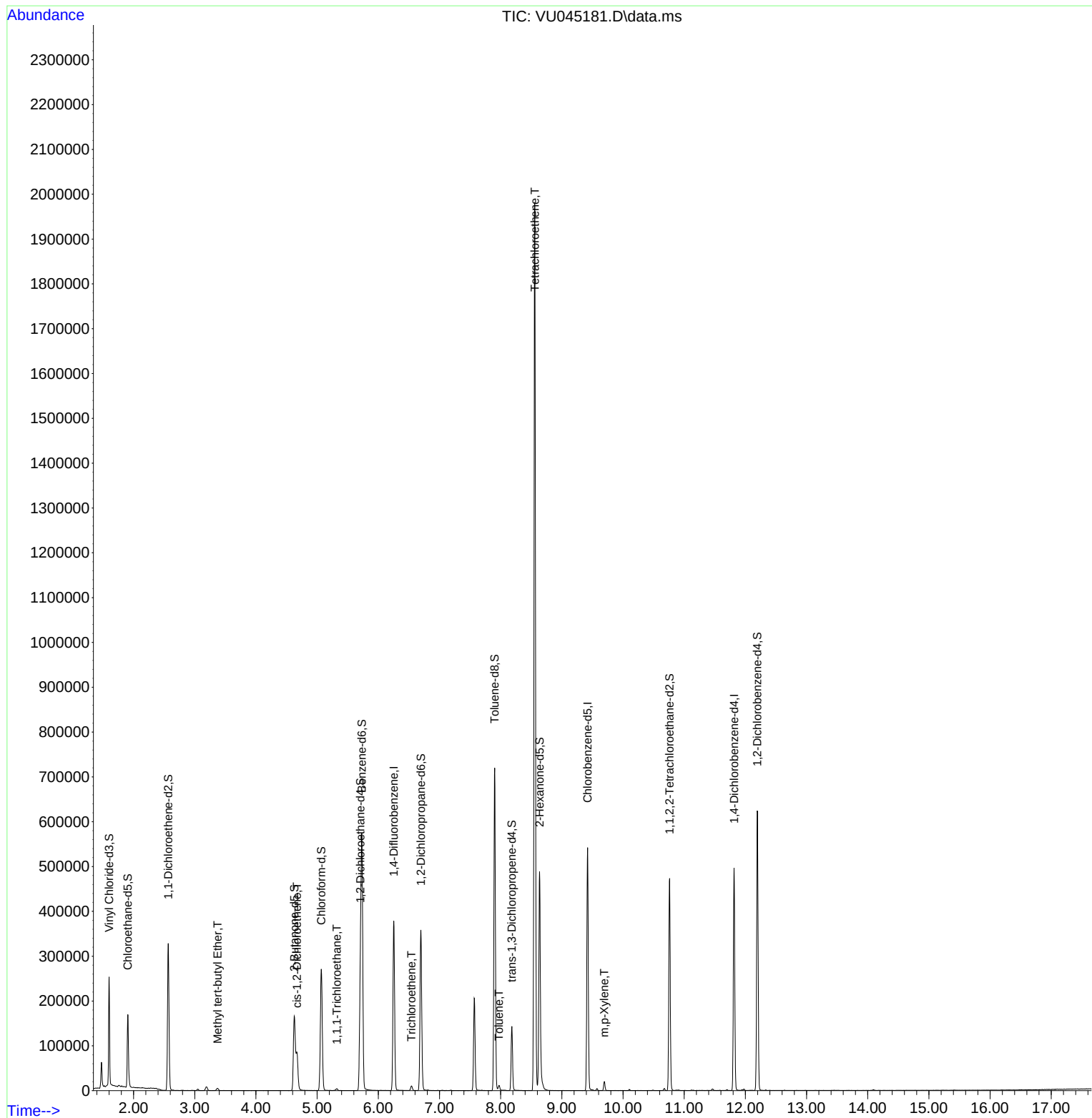
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291407	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	280319	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	123052	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	159555	50.016	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.040%			
7) Chloroethane-d5	1.906	69	126395	50.000	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.000%			
11) 1,1-Dichloroethene-d2	2.565	63	199855	37.306	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.620%			
21) 2-Butanone-d5	4.626	46	238948	94.746	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 94.750%			
24) Chloroform-d	5.070	84	245898	48.805	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.620%			
26) 1,2-Dichloroethane-d4	5.707	65	173166	50.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.480%			
32) Benzene-d6	5.732	84	510352	52.468	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.940%			
36) 1,2-Dichloropropane-d6	6.697	67	161967	51.067	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.140%			
41) Toluene-d8	7.903	98	452654	53.924	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.840%			
43) trans-1,3-Dichloroprop...	8.182	79	74499	52.805	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 105.600%			
47) 2-Hexanone-d5	8.636	63	167717	95.422	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.420%			
56) 1,1,2,2-Tetrachloroeth...	10.761	84	235472	47.678	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.360%			
66) 1,2-Dichlorobenzene-d4	12.195	152	151316	56.504	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.000%			
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.372	73	5163	0.659	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	37583	14.348	ug/L	90
30) 1,1,1-Trichloroethane	5.321	97	2906	0.749	ug/L	94
34) Trichloroethene	6.543	95	2632	1.054	ug/L	94
42) Toluene	7.973	91	7207	0.682	ug/L	97
46) Tetrachloroethene	8.559	164	418261	234.329	ug/L	98
53) m,p-Xylene	9.694	106	5812	1.375	ug/L	97

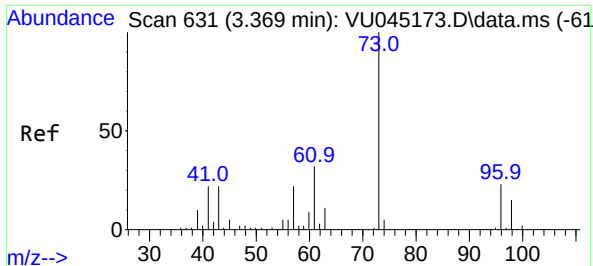
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 07 03:00:32 2021
Response via : Initial Calibration

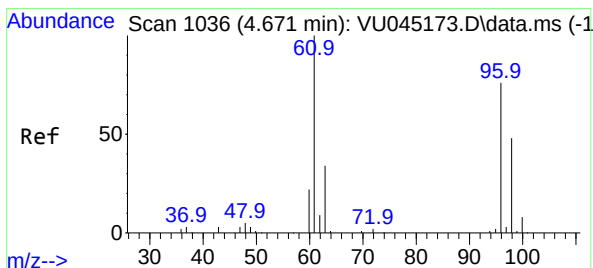
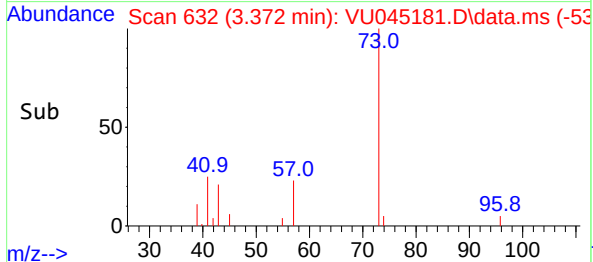
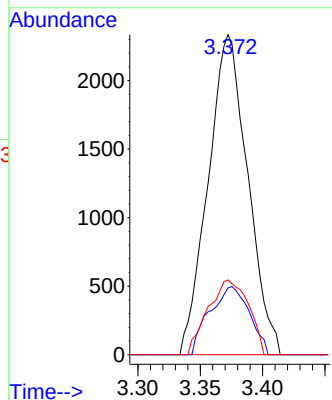
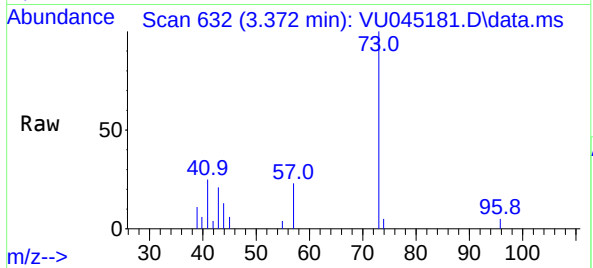




#18
Methyl tert-butyl Ether
Concen: 0.659 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

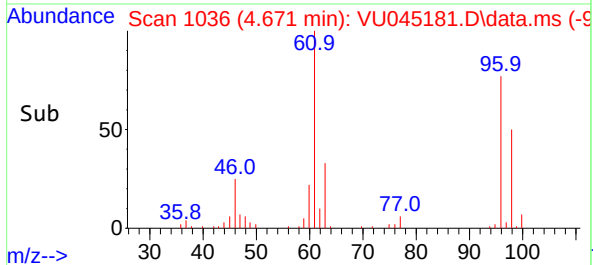
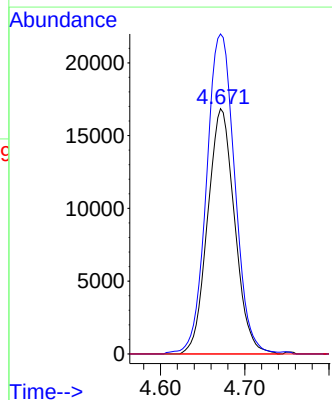
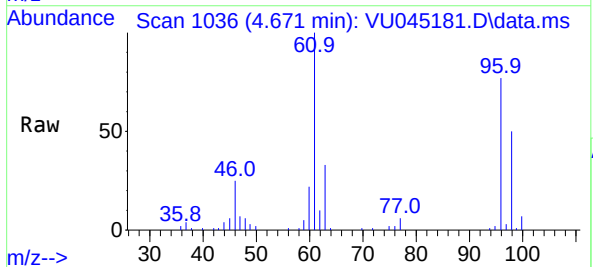
Instrument :
MSVOA_U
ClientSampled :
F4A16

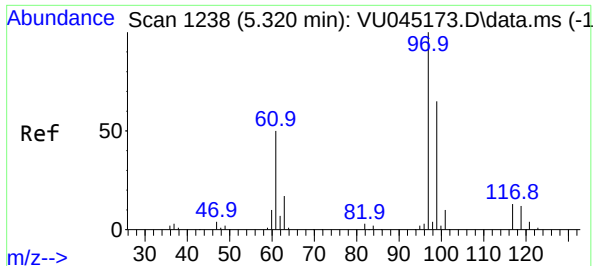
Tgt Ion: 73 Resp: 5163
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 23.8 18.7 28.1



#20
cis-1,2-Dichloroethene
Concen: 14.348 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

Tgt Ion: 96 Resp: 37583
Ion Ratio Lower Upper
96 100
61 130.5 100.2 186.0
68 0.0 0.0 0.0



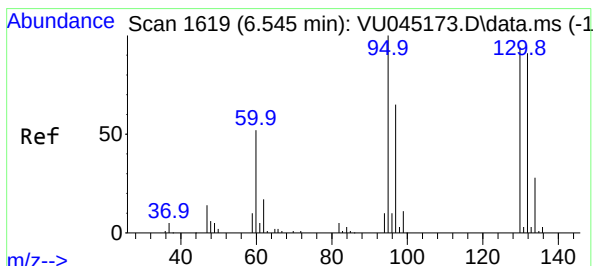
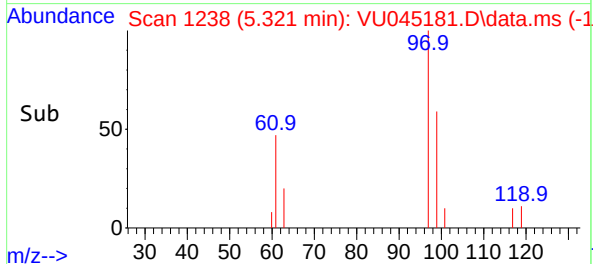
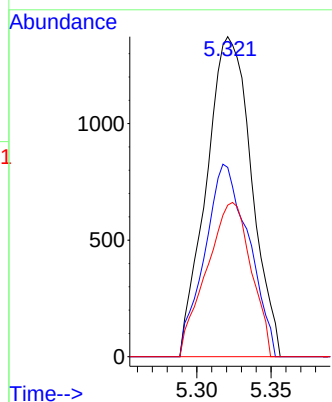
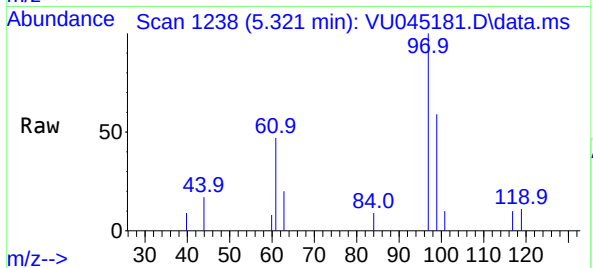


#30
1,1,1-Trichloroethane
Concen: 0.749 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

Instrument :
MSVOA_U
ClientSampled :
F4A16

Tgt Ion: 97 Resp: 2906

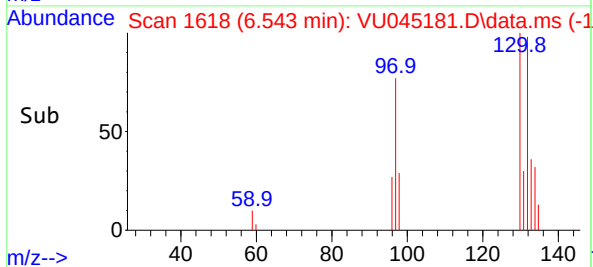
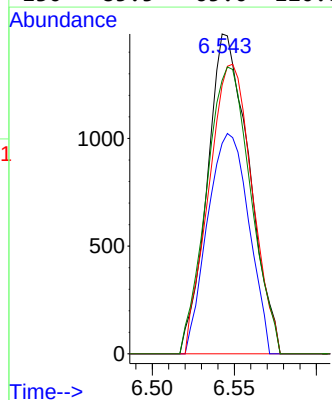
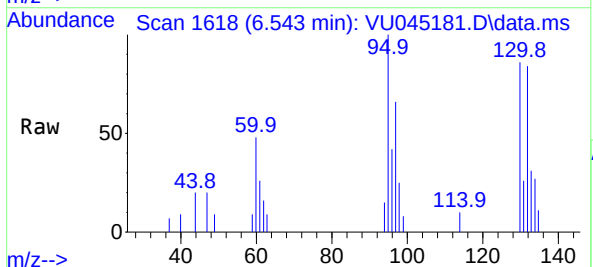
Ion	Ratio	Lower	Upper
97	100		
99	58.5	50.6	75.8
61	47.4	41.3	61.9

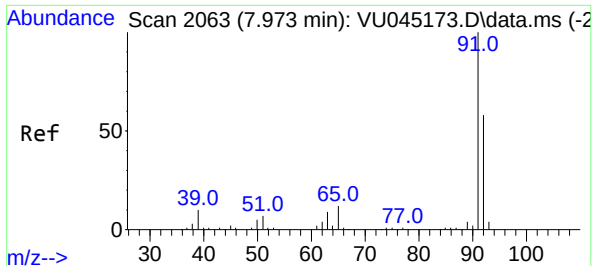


#34
Trichloroethene
Concen: 1.054 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

Tgt Ion: 95 Resp: 2632

Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.4	82.4
132	84.0	62.9	116.9
130	85.5	65.0	120.8

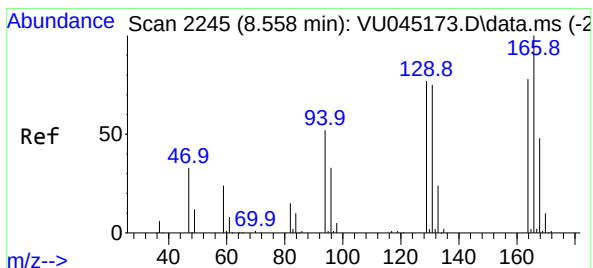
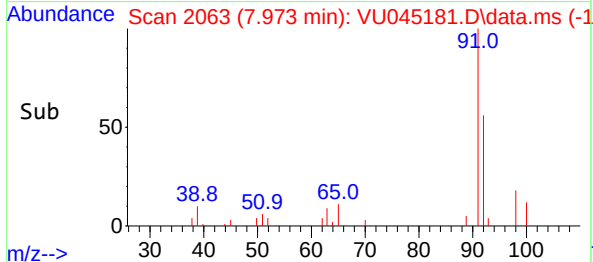
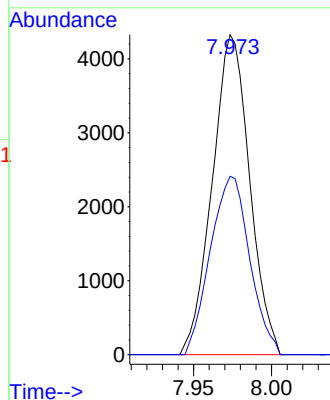
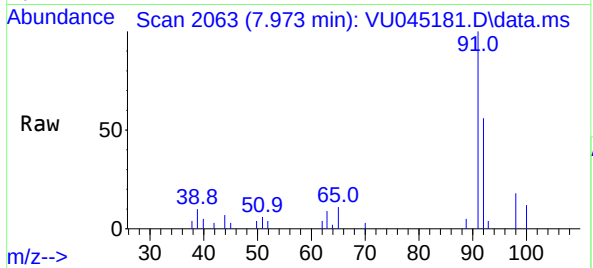




#42
Toluene
Concen: 0.682 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

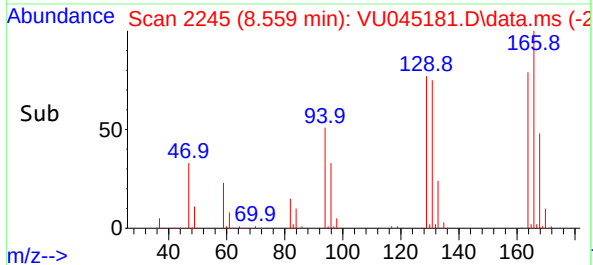
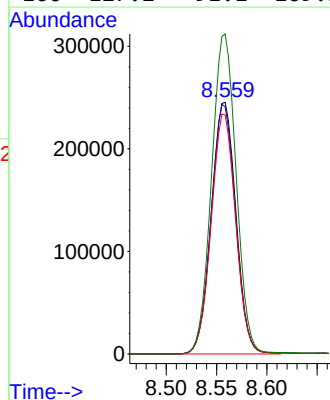
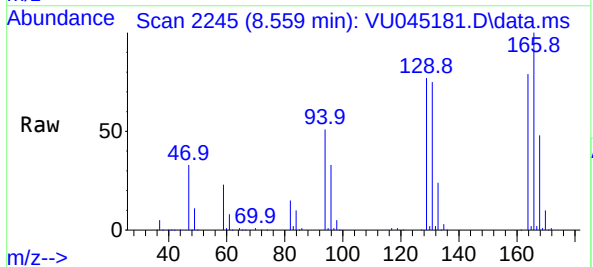
Instrument :
MSVOA_U
ClientSampleId :
F4A16

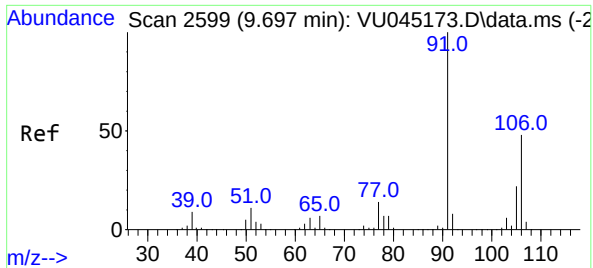
Tgt Ion: 91 Resp: 7207
Ion Ratio Lower Upper
91 100
92 55.8 40.5 75.1



#46
Tetrachloroethene
Concen: 234.329 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045181.D
Acq: 06 Oct 2021 13:25

Tgt Ion: 164 Resp: 418261
Ion Ratio Lower Upper
164 100
129 98.3 69.8 129.6
131 95.0 66.4 123.2
166 127.2 91.1 169.3





#53
 m,p-Xylene
 Concen: 1.375 ug/L
 RT: 9.694 min Scan# 2598
 Delta R.T. -0.003 min
 Lab File: VU045181.D
 Acq: 06 Oct 2021 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A16

Tgt Ion:106 Resp: 5812
 Ion Ratio Lower Upper
 106 100
 91 204.9 146.7 272.4

