

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052841.D
 Acq On : 27 Jan 2023 13:03
 Operator : JC/MD
 Sample : 01295-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC5

Quant Time: Jan 27 22:22:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

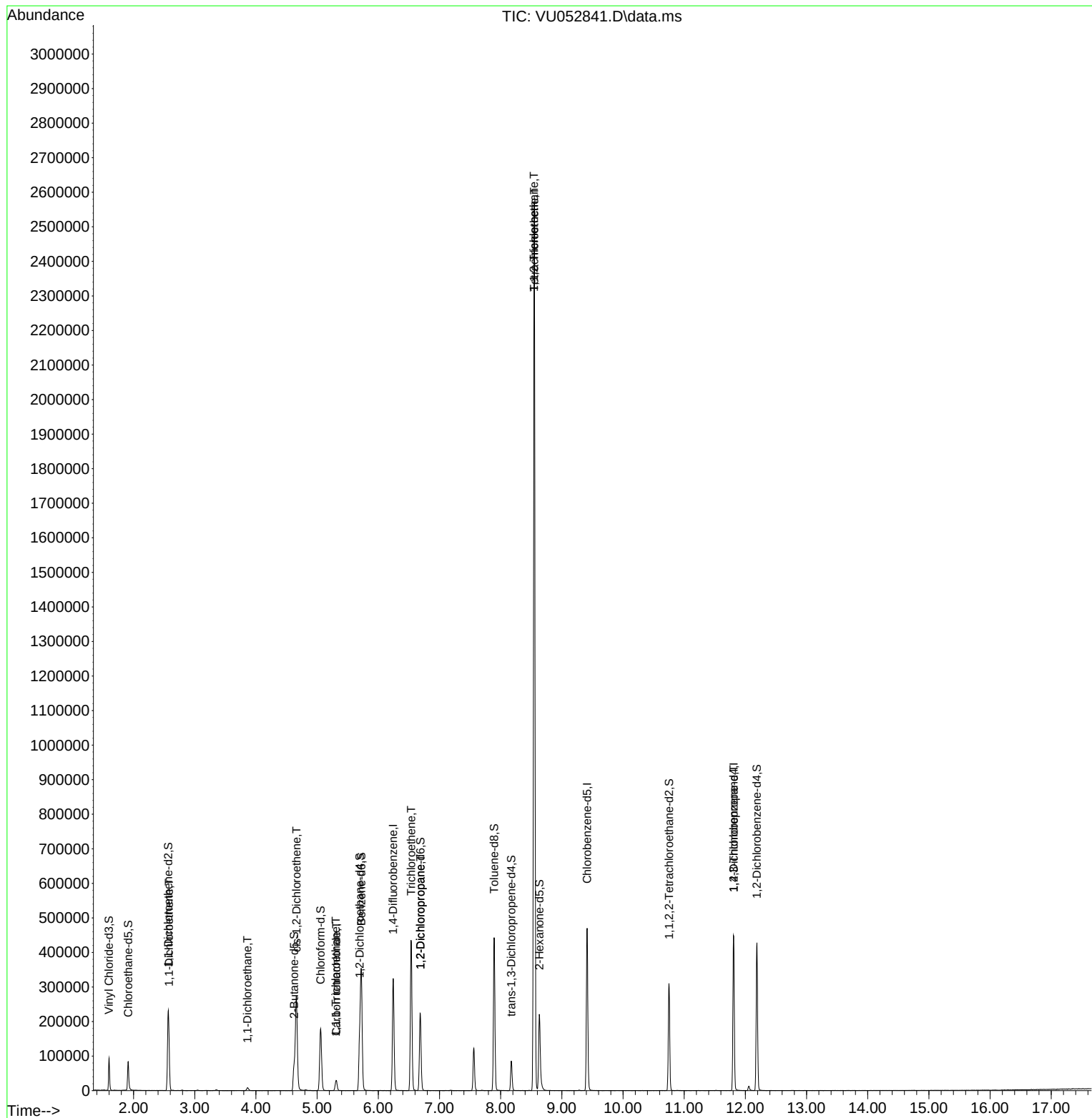
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	271623	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	267252	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	128276	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67421	34.486	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.980%		
7) Chloroethane-d5	1.913	69	63396	39.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.700%		
11) 1,1-Dichloroethene-d2	2.565	63	124157	31.929	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.860%		
21) 2-Butanone-d5	4.623	46	103461	85.667	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.670%		
24) Chloroform-d	5.057	84	172800	41.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.840%		
26) 1,2-Dichloroethane-d4	5.697	65	118592	44.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.020%		
32) Benzene-d6	5.723	84	335553	41.097	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.200%		
36) 1,2-Dichloropropane-d6	6.687	67	103520	43.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.460%		
41) Toluene-d8	7.893	98	289549	38.944	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.880%#		
43) trans-1,3-Dichloroprop...	8.173	79	49601	41.326	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.660%		
47) 2-Hexanone-d5	8.632	63	77756	92.411	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.410%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146378	41.372	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	82.740%		
66) 1,2-Dichlorobenzene-d4	12.189	152	116913	46.938	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.880%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	34551	17.195	ug/L #	72
19) 1,1-Dichloroethane	3.861	63	9605	2.522	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	143920	62.076	ug/L	97
30) 1,1,1-Trichloroethane	5.308	97	22310	5.675	ug/L	96
31) Carbon tetrachloride	5.314	117	2893	0.849	ug/L	100
34) Trichloroethene	6.536	95	146448	63.335	ug/L	95
37) 1,2-Dichloropropane	6.687	63	11674	5.220	ug/L #	85
45) 1,1,2-Trichloroethane	8.546	97	4766	2.084	ug/L #	7
46) Tetrachloroethene	8.549	164	578783	290.692	ug/L	99
60) 1,2,3-Trichloropropane	11.809	75	12787	5.139	ug/L #	65

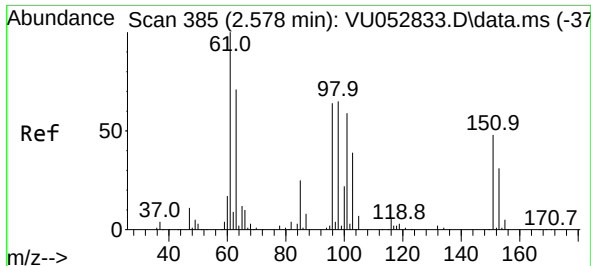
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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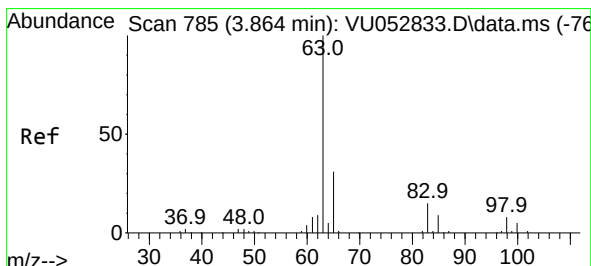
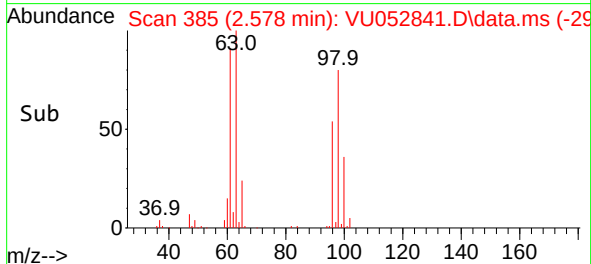
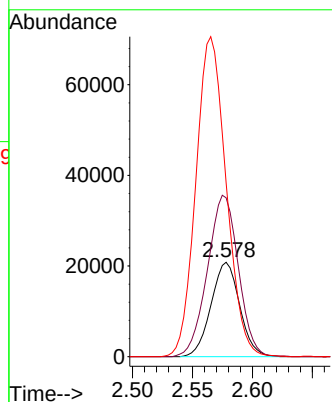
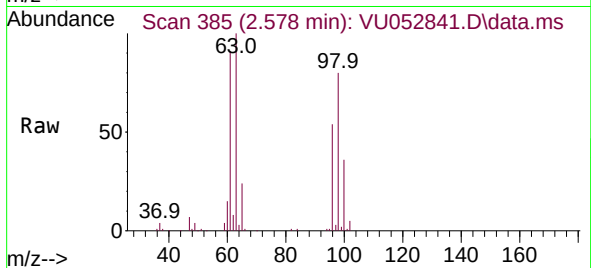




#12
1,1-Dichloroethene
Concen: 17.195 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

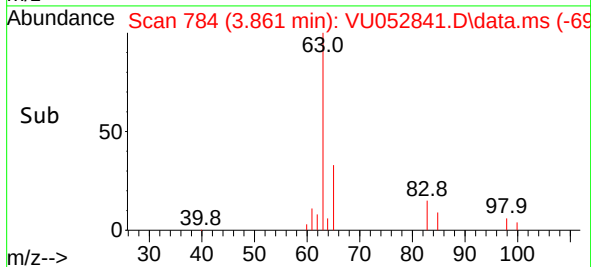
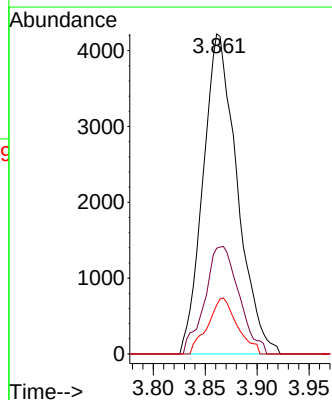
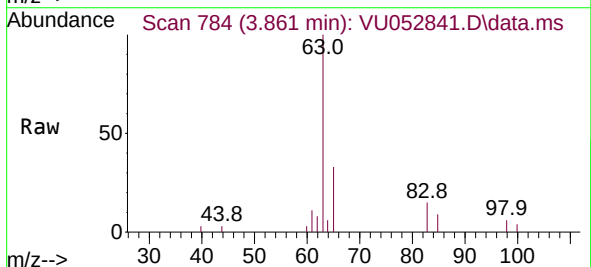
Instrument :
MSVOA_U
ClientSampleId :
C0LC5

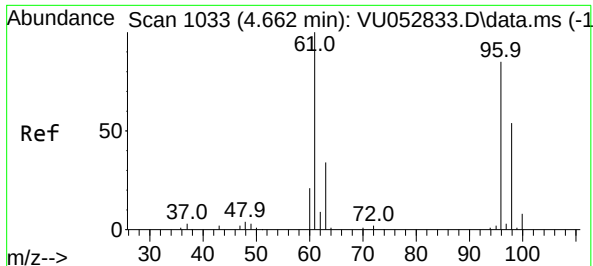
Tgt Ion: 96 Resp: 34551
Ion Ratio Lower Upper
96 100
61 168.1 114.3 212.3
63 184.1 80.6 149.6#



#19
1,1-Dichloroethane
Concen: 2.522 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

Tgt Ion: 63 Resp: 9605
Ion Ratio Lower Upper
63 100
65 33.0 22.4 41.6
83 15.3 9.2 17.2

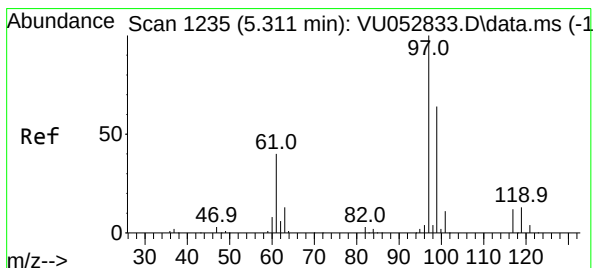
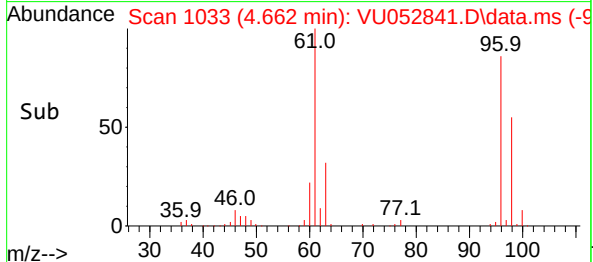
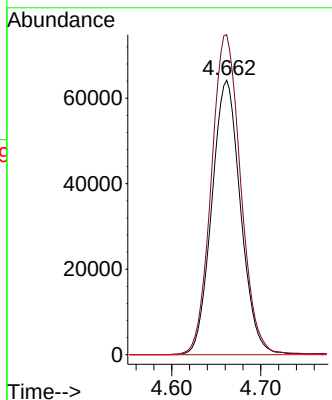
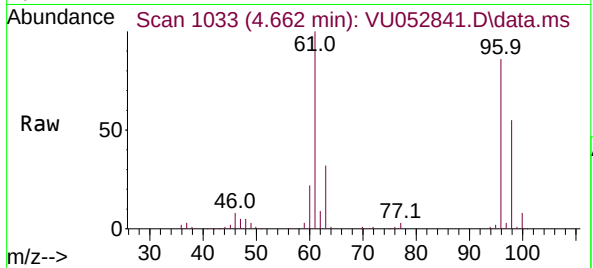




#20
 cis-1,2-Dichloroethene
 Concen: 62.076 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052841.D
 Acq: 27 Jan 2023 13:03

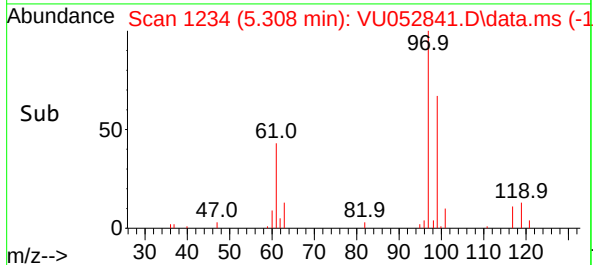
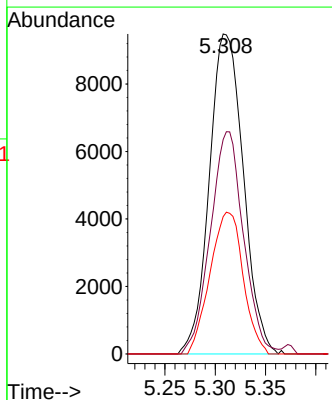
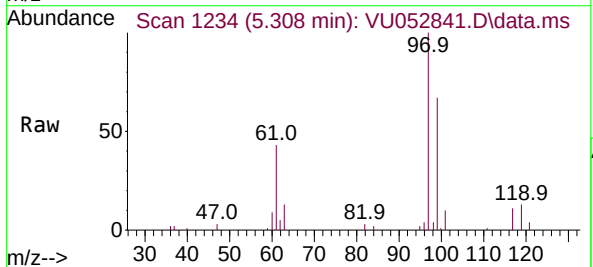
Instrument :
 MSVOA_U
 ClientSampleId :
 C0LC5

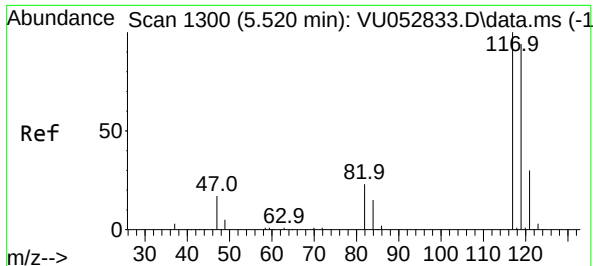
Tgt Ion: 96 Resp: 143920
 Ion Ratio Lower Upper
 96 100
 61 116.6 84.1 156.1
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 5.675 ug/L
 RT: 5.308 min Scan# 1234
 Delta R.T. -0.003 min
 Lab File: VU052841.D
 Acq: 27 Jan 2023 13:03

Tgt Ion: 97 Resp: 22310
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.4 77.0
 61 43.1 33.0 49.6

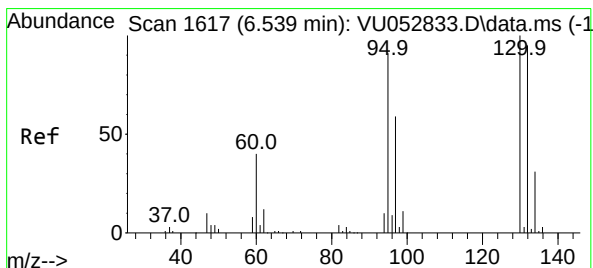
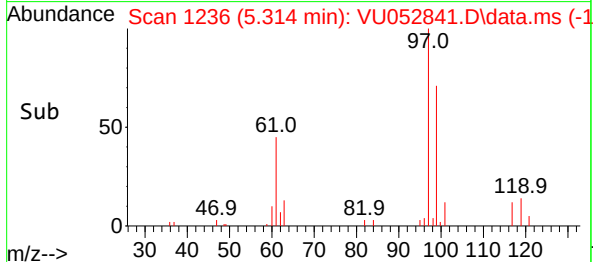
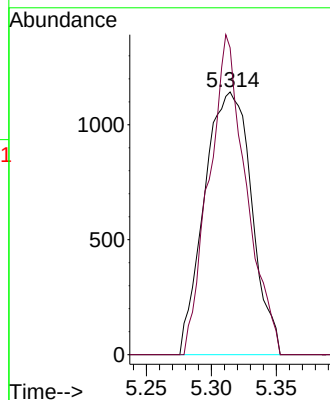
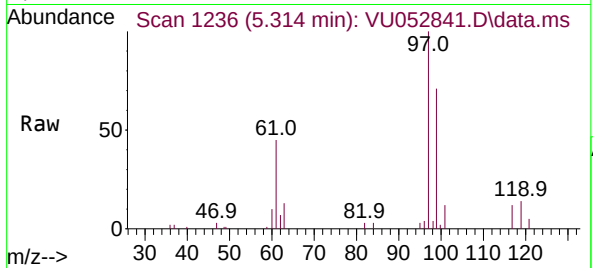




#31
Carbon tetrachloride
Concen: 0.849 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

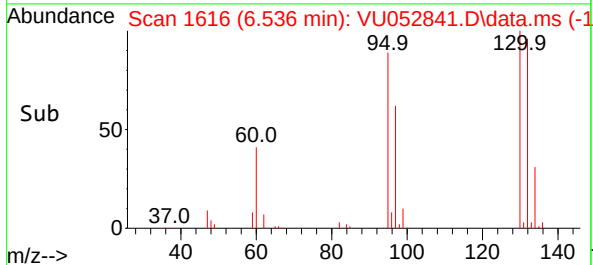
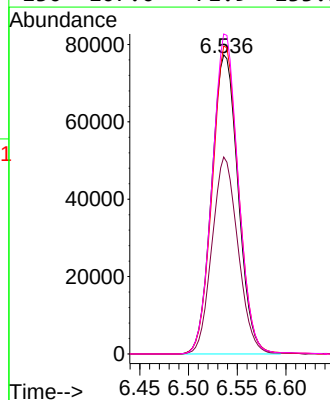
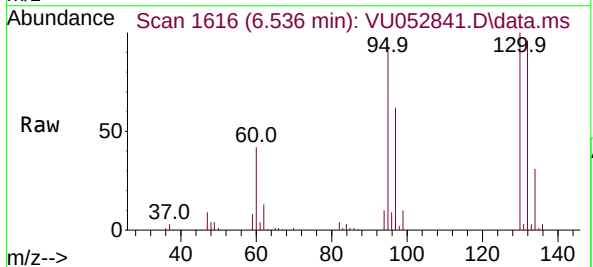
Instrument :
MSVOA_U
ClientSampleId :
C0LC5

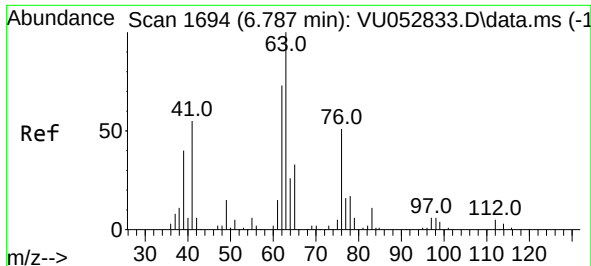
Tgt Ion:117 Resp: 2893
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.4



#34
Trichloroethene
Concen: 63.335 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

Tgt Ion: 95 Resp: 146448
Ion Ratio Lower Upper
95 100
97 65.8 44.5 82.7
132 102.9 66.8 124.0
130 107.0 71.9 133.5





#37

1,2-Dichloropropane

Concen: 5.220 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052841.D

Acq: 27 Jan 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

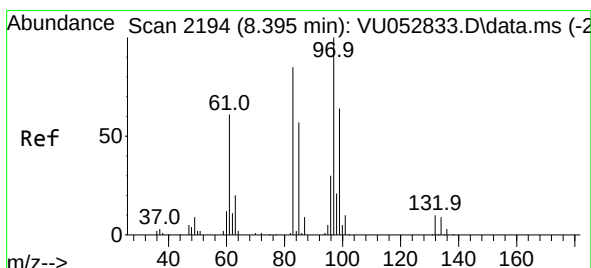
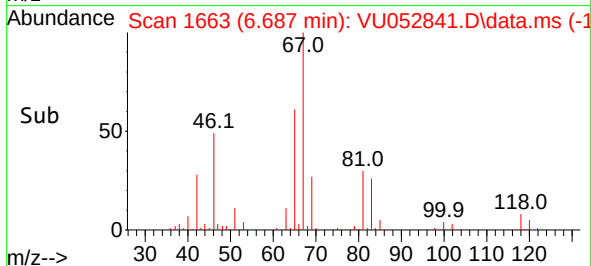
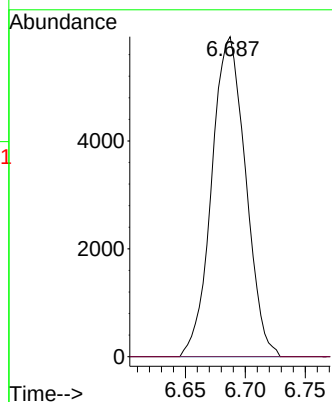
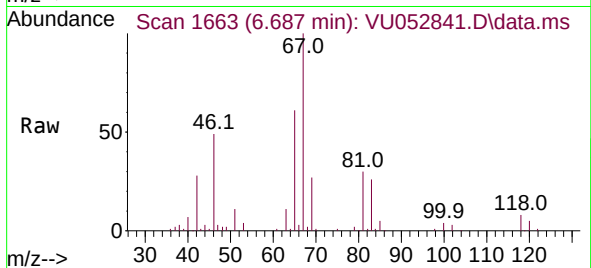
C0LC5

Tgt Ion: 63 Resp: 11674

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#45

1,1,2-Trichloroethane

Concen: 2.084 ug/L

RT: 8.546 min Scan# 2241

Delta R.T. 0.151 min

Lab File: VU052841.D

Acq: 27 Jan 2023 13:03

Tgt Ion: 97 Resp: 4766

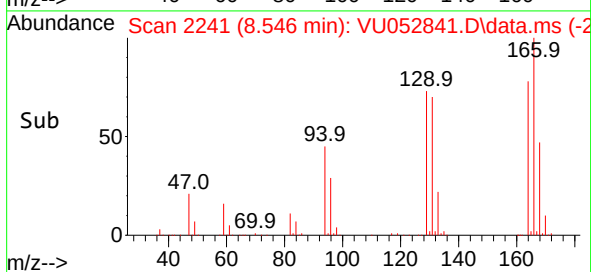
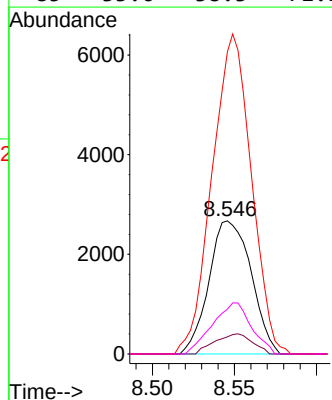
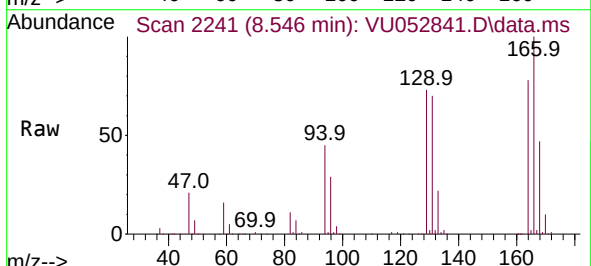
Ion Ratio Lower Upper

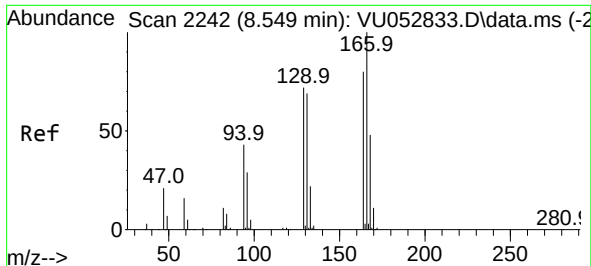
97 100

99 12.8 44.7 83.1#

83 226.9 60.3 112.1#

85 33.6 38.3 71.1#

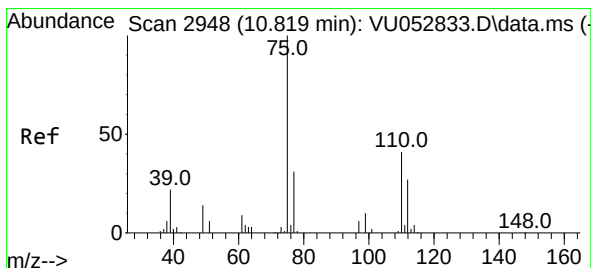
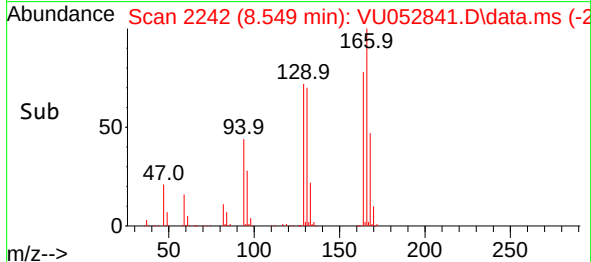
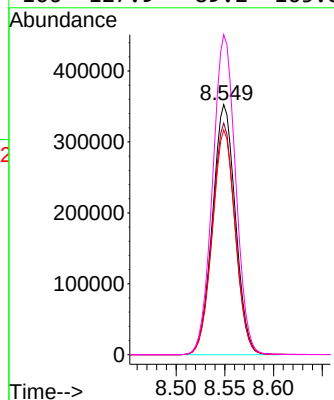
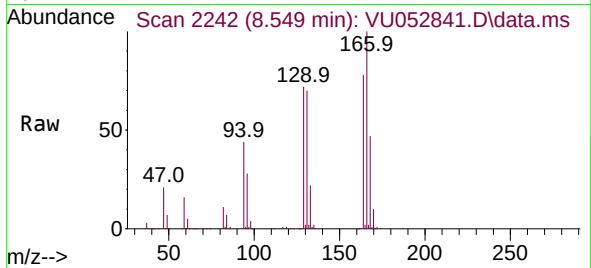




#46
Tetrachloroethene
Concen: 290.692 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

Instrument :
MSVOA_U
ClientSampleId :
C0LC5

Tgt Ion:164 Resp: 578783
Ion Ratio Lower Upper
164 100
129 92.6 64.8 120.3
131 89.9 61.2 113.6
166 127.9 89.2 165.8



#60
1,2,3-Trichloropropane
Concen: 5.139 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU052841.D
Acq: 27 Jan 2023 13:03

Tgt Ion: 75 Resp: 12787
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
110 2.3 32.4 48.6#

