

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052009.D
 Acq On : 21 Nov 2022 21:06
 Operator : JC/MD
 Sample : N5710-10DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 01:06:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 01:03:12 2022
 Response via : Initial Calibration

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

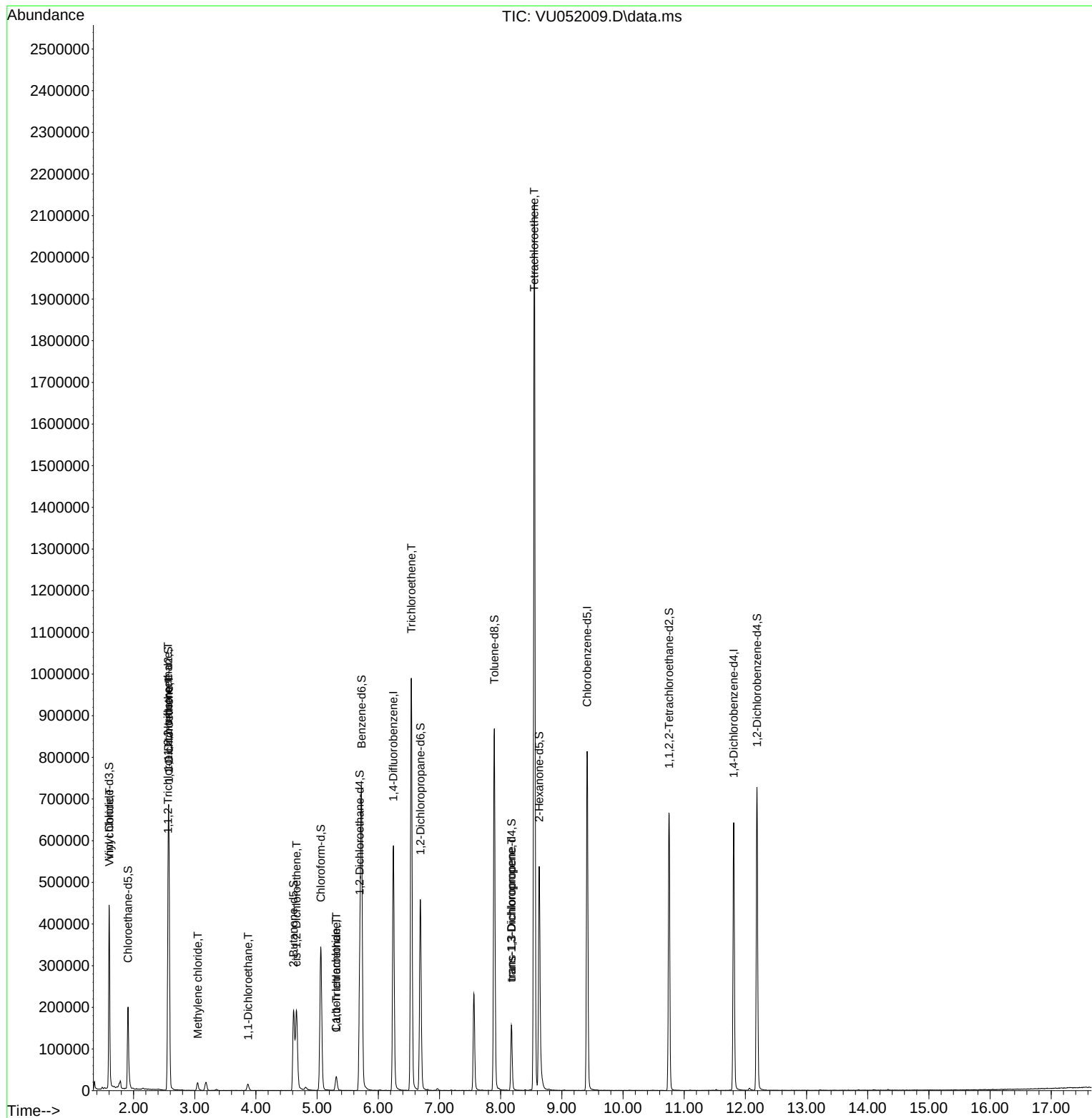
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	490482	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	469931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	177858	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	211371	49.730	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 99.460%			
7) Chloroethane-d5	1.909	69	170845	50.754	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.500%			
11) 1,1-Dichloroethene-d2	2.568	63	323115	51.286	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.580%			
21) 2-Butanone-d5	4.613	46	261134	102.239	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.240%			
24) Chloroform-d	5.060	84	332057	47.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.360%			
26) 1,2-Dichloroethane-d4	5.697	65	208425	49.762	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.520%			
32) Benzene-d6	5.726	84	716150	51.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.260%			
36) 1,2-Dichloropropane-d6	6.687	67	234075	52.017	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.040%			
41) Toluene-d8	7.896	98	602637	48.154	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.300%			
43) trans-1,3-Dichloroprop...	8.176	79	89934	46.948	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.900%			
47) 2-Hexanone-d5	8.629	63	186191	106.069	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.070%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	342161	48.062	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.120%			
66) 1,2-Dichlorobenzene-d4	12.192	152	200264	54.449	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.900%			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	128097	33.063	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1463	0.492	ug/L #	24
12) 1,1-Dichloroethene	2.578	96	153818	54.160	ug/L	98
16) Methylene chloride	3.048	84	9724	2.248	ug/L	95
19) 1,1-Dichloroethane	3.871	63	18082	2.909	ug/L	94
20) cis-1,2-Dichloroethene	4.665	96	98154	27.055	ug/L	92
30) 1,1,1-Trichloroethane	5.314	97	23964	4.973	ug/L	97
31) Carbon tetrachloride	5.311	117	2524	0.647	ug/L #	77
34) Trichloroethene	6.539	95	347305	106.920	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	3616	0.735	ug/L #	82
46) Tetrachloroethene	8.549	164	485669	198.187	ug/L	100

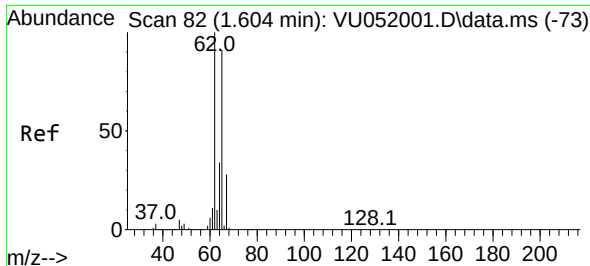
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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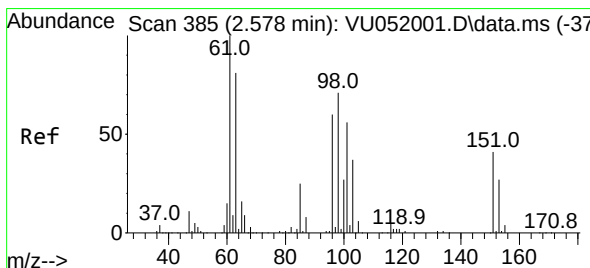
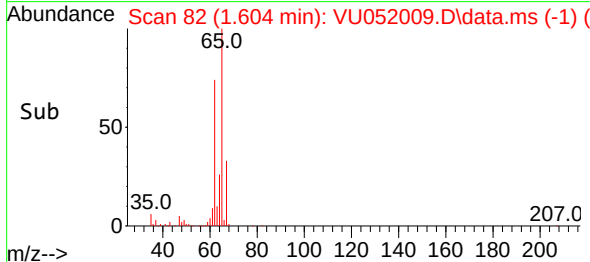
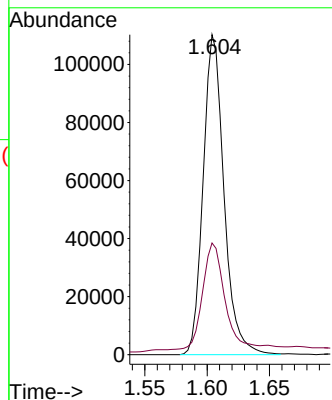
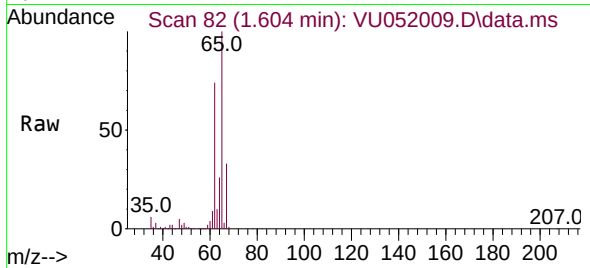




#5
 Vinyl chloride
 Concen: 33.063 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052009.D
 Acq: 21 Nov 2022 21:06

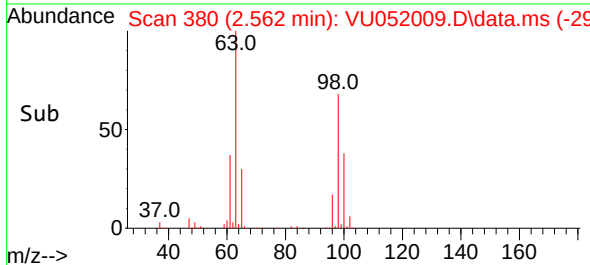
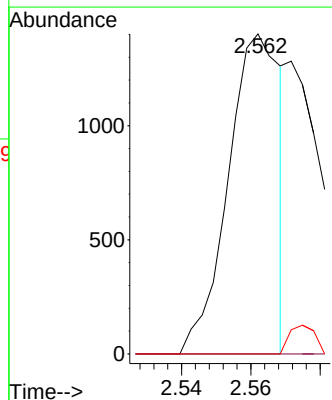
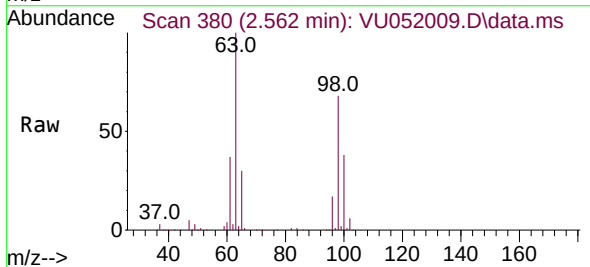
Instrument :
 MSVOA_U
 ClientSampleId :

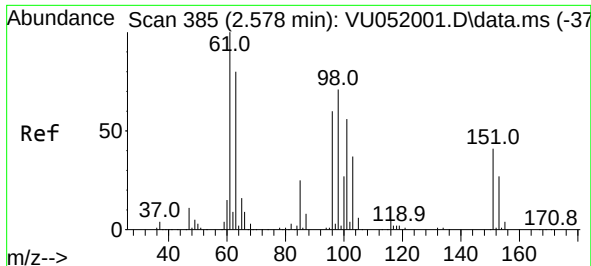
Tgt Ion: 62 Resp: 128097
 Ion Ratio Lower Upper
 62 100
 64 34.9 23.9 44.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.492 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU052009.D
 Acq: 21 Nov 2022 21:06

Tgt Ion: 101 Resp: 1463
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.6 50.4#
 151 4.4 58.9 88.3#





#12

1,1-Dichloroethene

Concen: 54.160 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

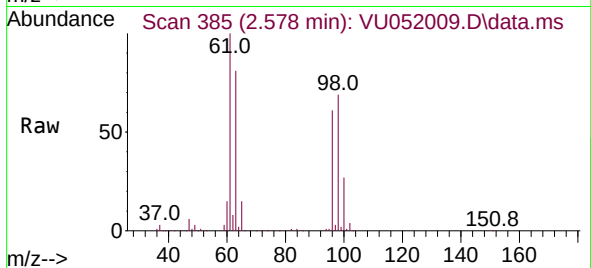
Lab File: VU052009.D

Acq: 21 Nov 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :



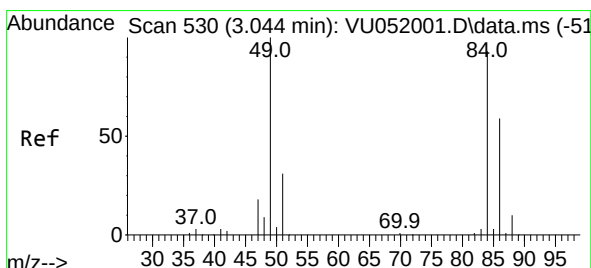
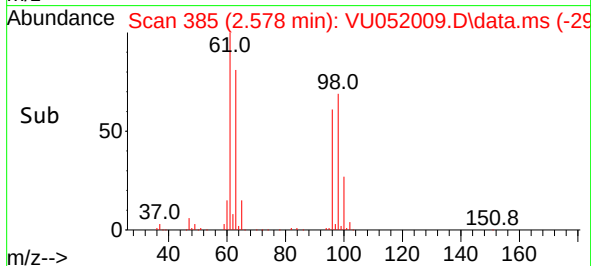
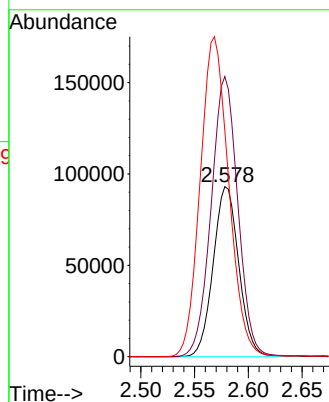
Tgt Ion: 96 Resp: 153818

Ion Ratio Lower Upper

96 100

61 164.6 114.2 212.0

63 132.9 90.9 168.7



#16

Methylene chloride

Concen: 2.248 ug/L

RT: 3.048 min Scan# 531

Delta R.T. 0.003 min

Lab File: VU052009.D

Acq: 21 Nov 2022 21:06

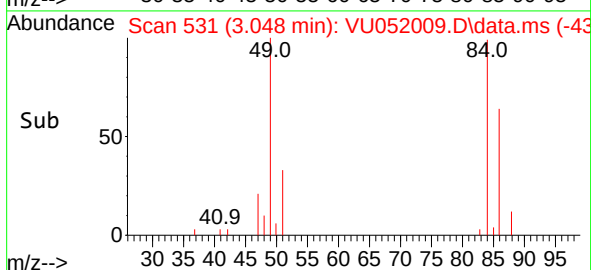
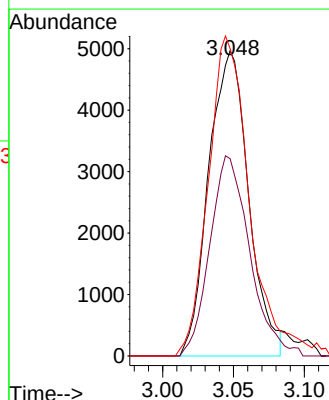
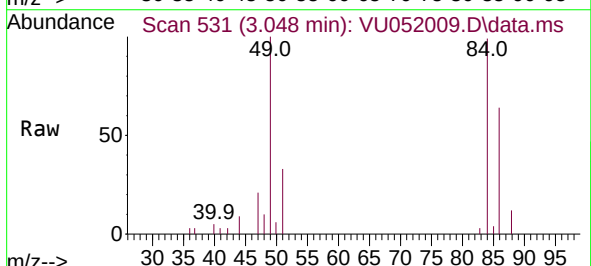
Tgt Ion: 84 Resp: 9724

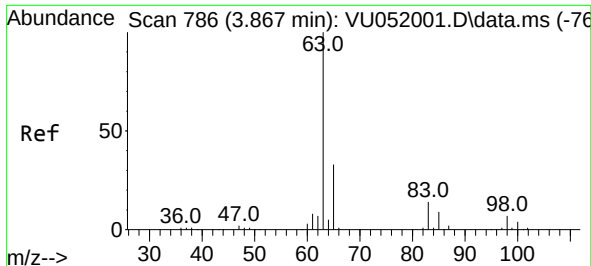
Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

49 100.7 75.9 141.1





#19

1,1-Dichloroethane

Concen: 2.909 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU052009.D

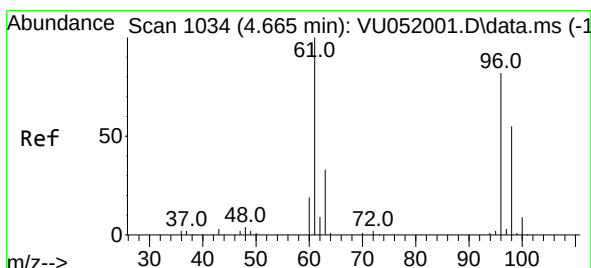
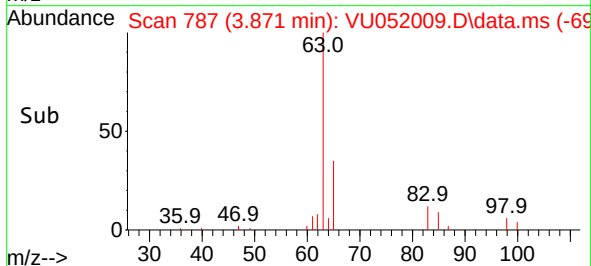
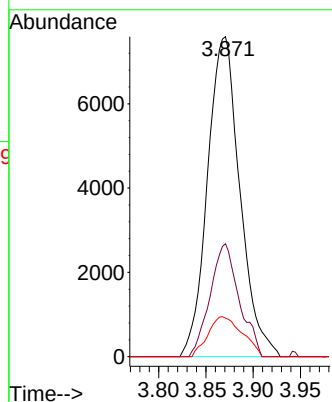
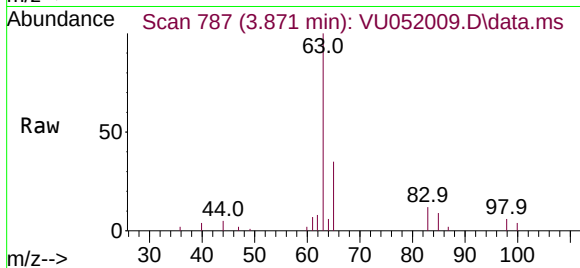
Acq: 21 Nov 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 18082
Ion Ratio	Lower Upper
63 100	
65 35.3	22.3 41.3
83 12.1	9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 27.055 ug/L

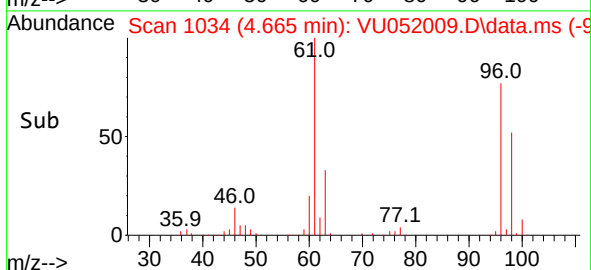
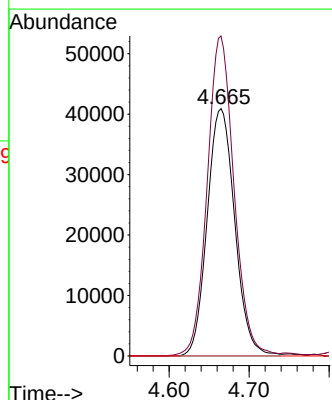
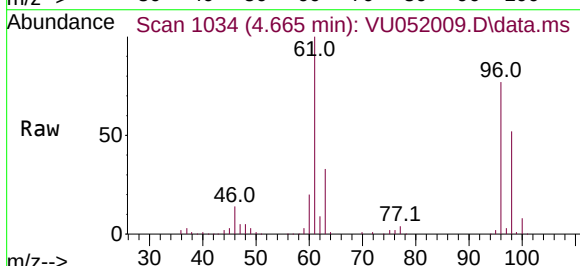
RT: 4.665 min Scan# 1034

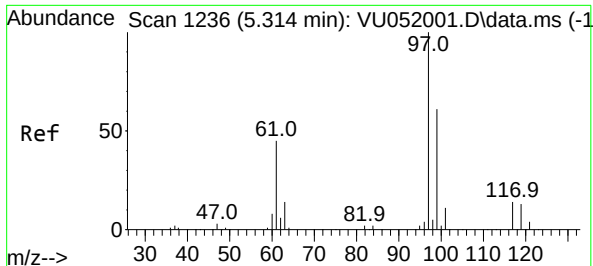
Delta R.T. 0.000 min

Lab File: VU052009.D

Acq: 21 Nov 2022 21:06

Tgt Ion: 96	Resp: 98154
Ion Ratio	Lower Upper
96 100	
61 129.4	84.5 156.9
68 0.0	0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 4.973 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU052009.D

Acq: 21 Nov 2022 21:06

Instrument :

MSVOA_U

ClientSampleId :

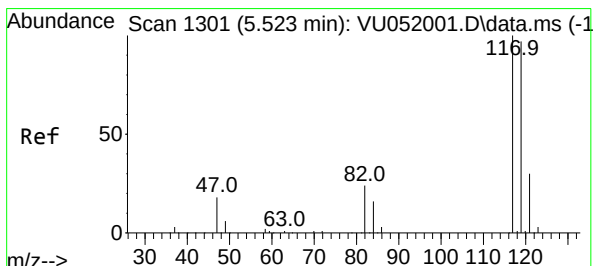
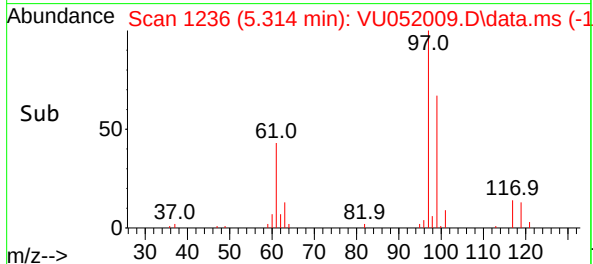
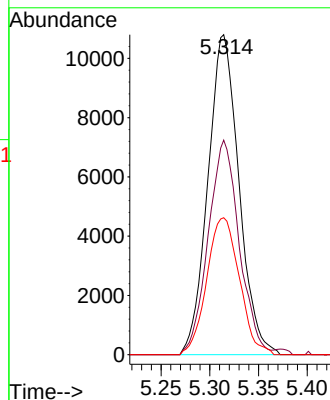
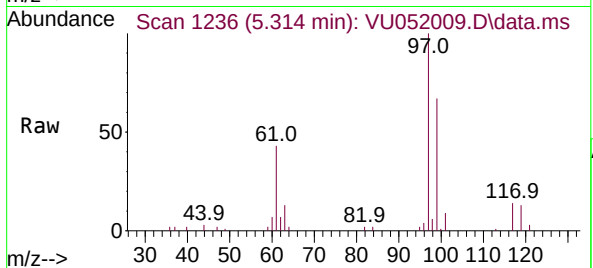
Tgt Ion: 97 Resp: 23964

Ion Ratio Lower Upper

97 100

99 66.8 51.4 77.0

61 44.9 37.2 55.8



#31

Carbon tetrachloride

Concen: 0.647 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.212 min

Lab File: VU052009.D

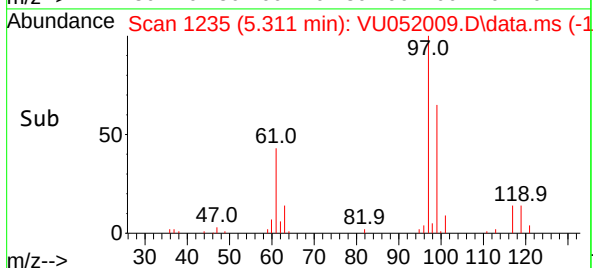
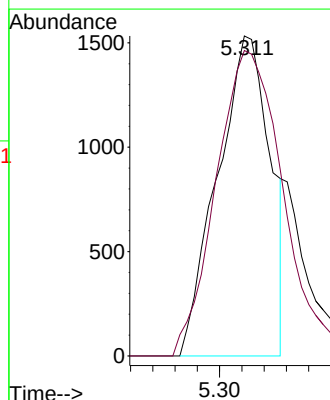
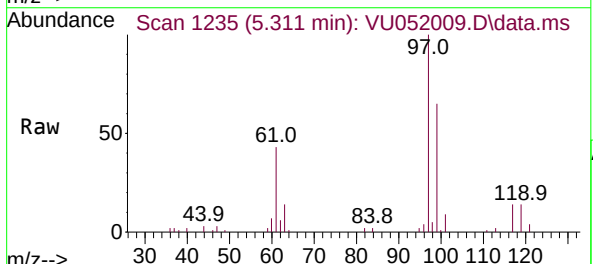
Acq: 21 Nov 2022 21:06

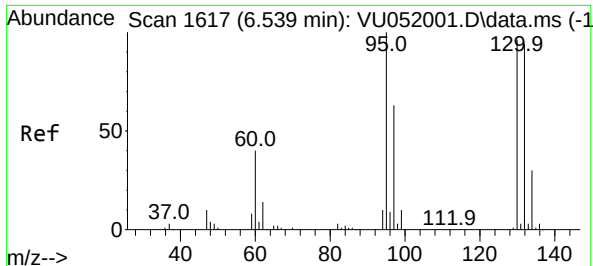
Tgt Ion: 117 Resp: 2524

Ion Ratio Lower Upper

117 100

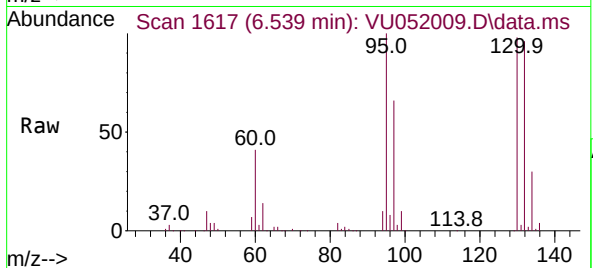
119 119.7 77.4 116.2#



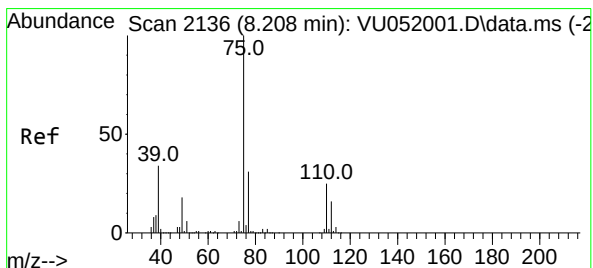
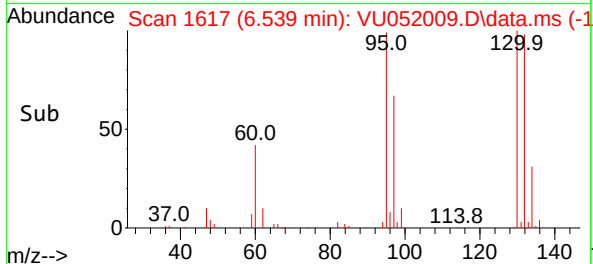
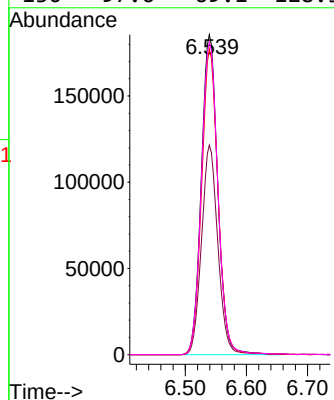


#34
Trichloroethene
Concen: 106.920 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052009.D
Acq: 21 Nov 2022 21:06

Instrument :
MSVOA_U
ClientSampleId :

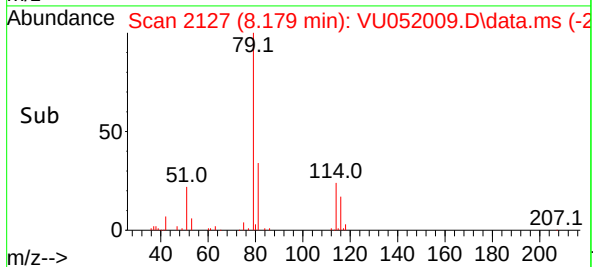
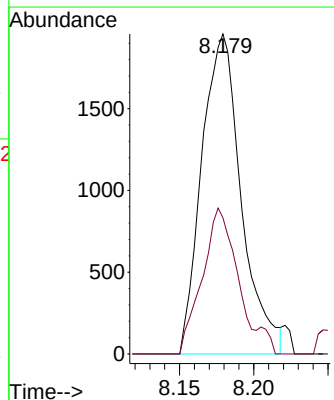
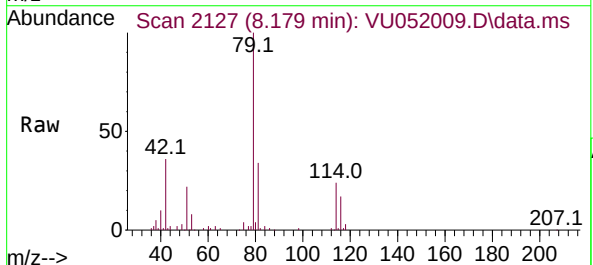


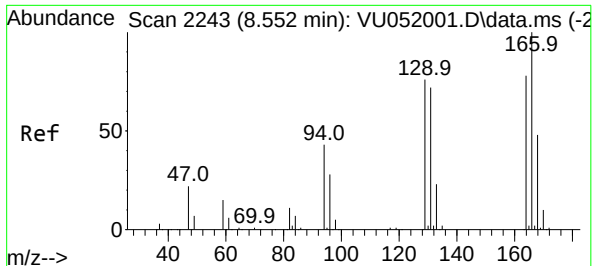
Tgt Ion: 95 Resp: 347305
Ion Ratio Lower Upper
95 100
97 65.5 45.3 84.1
132 95.5 66.8 124.2
130 97.6 69.1 128.3



#44
trans-1,3-Dichloropropene
Concen: 0.735 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.029 min
Lab File: VU052009.D
Acq: 21 Nov 2022 21:06

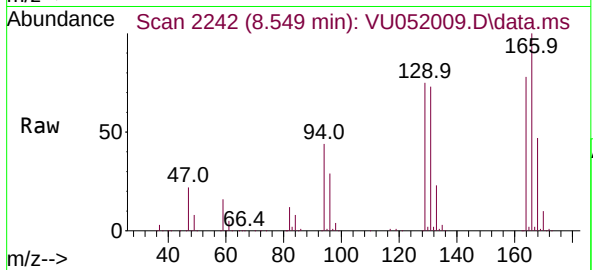
Tgt Ion: 75 Resp: 3616
Ion Ratio Lower Upper
75 100
77 42.6 22.7 42.1#





#46
 Tetrachloroethene
 Concen: 198.187 ug/L
 RT: 8.549 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU052009.D
 Acq: 21 Nov 2022 21:06

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:164 Resp: 485669
 Ion Ratio Lower Upper
 164 100
 129 96.2 67.3 124.9
 131 93.2 65.2 121.2
 166 127.5 89.9 166.9

