

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049040.D
 Acq On : 11 Jun 2022 08:43
 Operator : SY/MD
 Sample : N3248-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ0

Quant Time: Jun 11 09:43:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

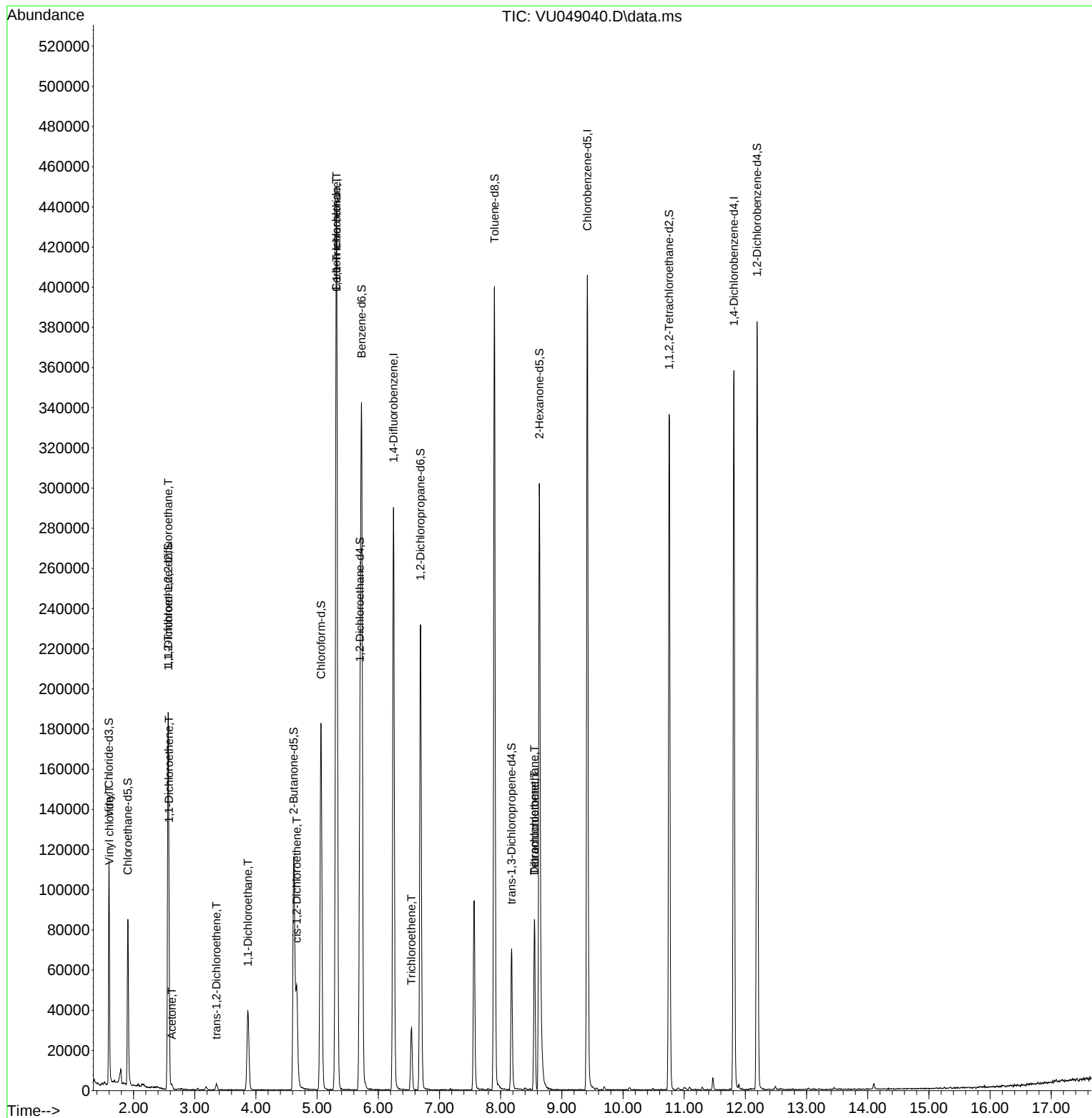
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	238970	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	225562	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	96992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79094	53.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 107.460%			
7) Chloroethane-d5	1.906	69	61179	56.599	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.200%			
11) 1,1-Dichloroethene-d2	2.565	63	111708	40.213	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.420%			
21) 2-Butanone-d5	4.617	46	167673	103.882	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.880%			
24) Chloroform-d	5.064	84	171918	54.742	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.480%			
26) 1,2-Dichloroethane-d4	5.700	65	117603	57.801	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.600%			
32) Benzene-d6	5.726	84	320410	57.286	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.580%			
36) 1,2-Dichloropropane-d6	6.690	67	111019	59.044	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 118.080%			
41) Toluene-d8	7.899	98	270214	54.780	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.560%			
43) trans-1,3-Dichloroprop...	8.179	79	39380	44.518	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.040%			
47) 2-Hexanone-d5	8.632	63	93793	95.309	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.310%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	167315	53.277	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 106.560%			
66) 1,2-Dichlorobenzene-d4	12.192	152	101680	60.251	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 120.500%#			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1136	0.539	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1112	0.661	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	6803	4.616	ug/L #	1
13) Acetone	2.626	43	3312	2.608	ug/L	88
17) trans-1,2-Dichloroethene	3.353	96	1405	0.867	ug/L	79
19) 1,1-Dichloroethane	3.867	63	45374	12.999	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	21712	11.014	ug/L	97
30) 1,1,1-Trichloroethane	5.318	97	331837	105.491	ug/L	99
31) Carbon tetrachloride	5.314	117	41102	14.940	ug/L	99
34) Trichloroethene	6.539	95	9835	5.339	ug/L	94
46) Tetrachloroethene	8.552	164	19224	13.461	ug/L	93
49) Dibromochloromethane	8.552	129	18535	8.337	ug/L #	11

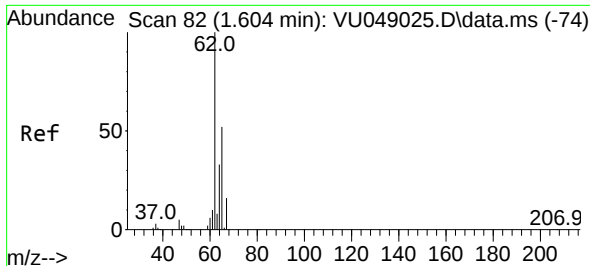
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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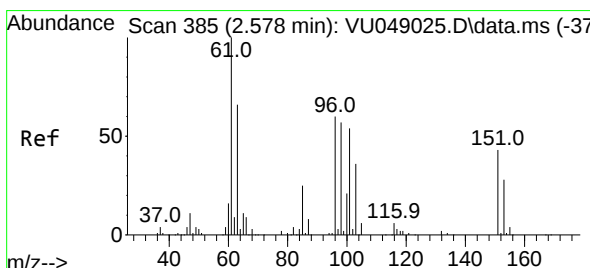
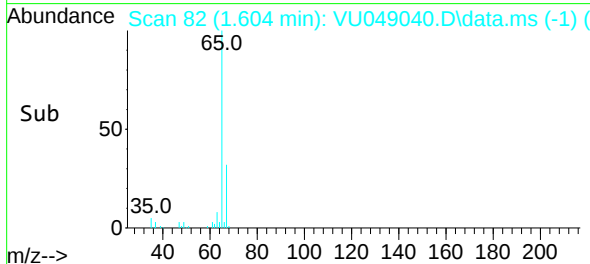
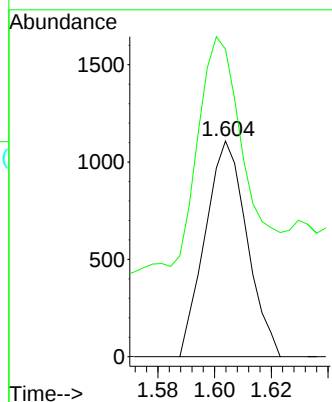
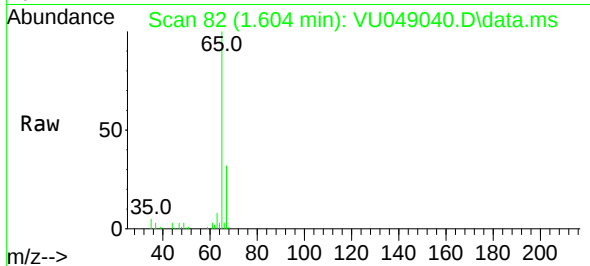




#5
 Vinyl chloride
 Concen: 0.539 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049040.D
 Acq: 11 Jun 2022 08:43

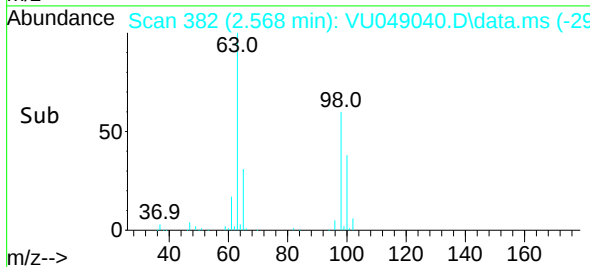
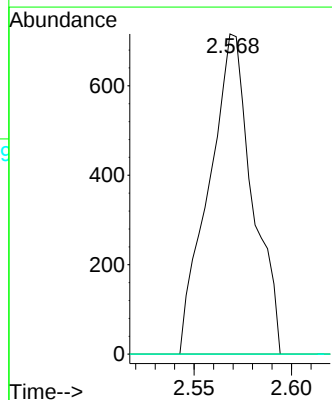
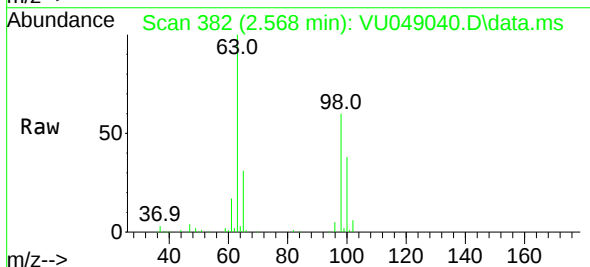
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ0

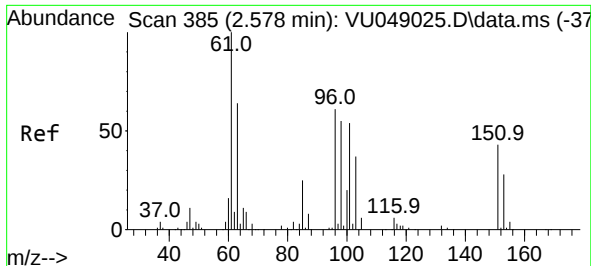
Tgt Ion: 62 Resp: 1136
 Ion Ratio Lower Upper
 62 100
 64 142.6 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.661 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.009 min
 Lab File: VU049040.D
 Acq: 11 Jun 2022 08:43

Tgt Ion: 101 Resp: 1112
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.2 52.8#
 151 0.0 61.4 92.2#





#12

1,1-Dichloroethene

Concen: 4.616 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU049040.D

Acq: 11 Jun 2022 08:43

Instrument :

MSVOA_U

ClientSampleId :

XYZ0

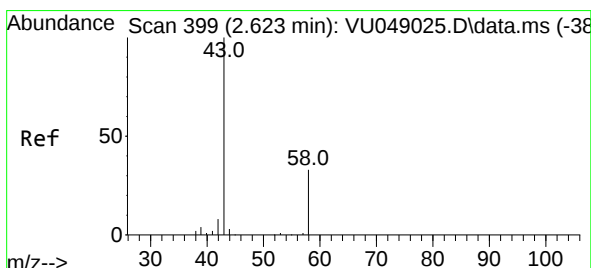
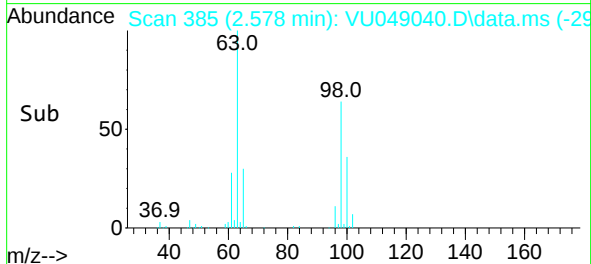
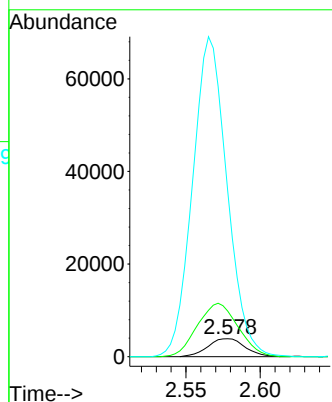
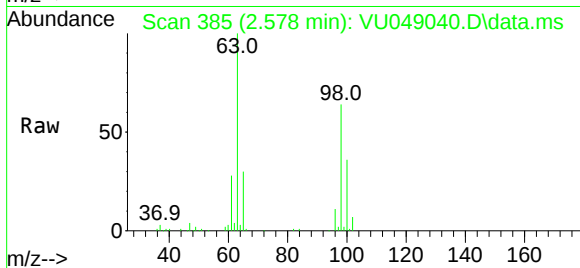
Tgt Ion: 96 Resp: 6803

Ion Ratio Lower Upper

96 100

61 253.6 123.5 229.3#

63 919.3 86.0 159.8#



#13

Acetone

Concen: 2.608 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049040.D

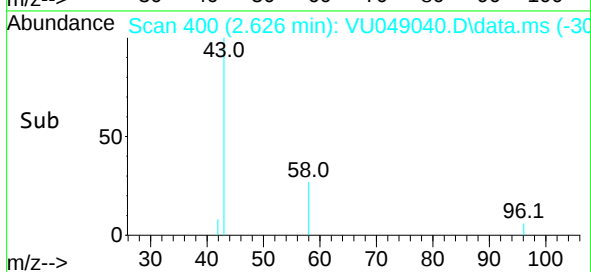
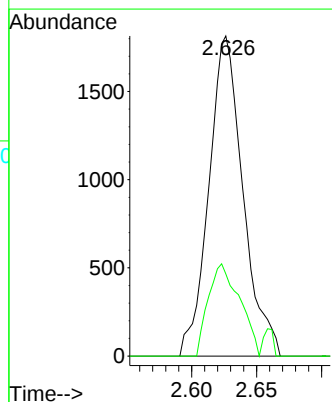
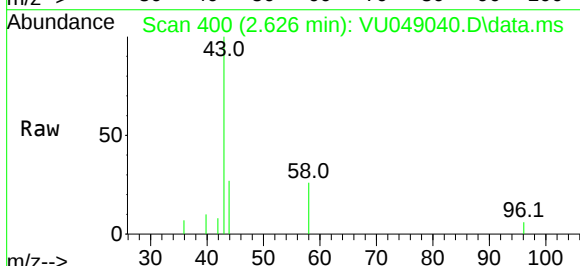
Acq: 11 Jun 2022 08:43

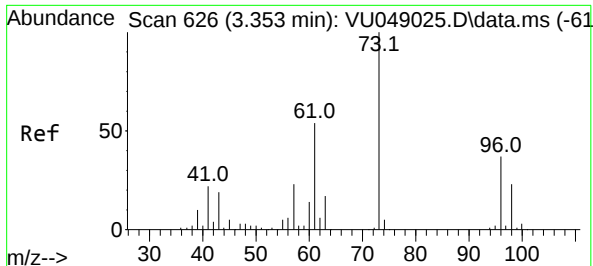
Tgt Ion: 43 Resp: 3312

Ion Ratio Lower Upper

43 100

58 26.6 0.0 66.4





#17

trans-1,2-Dichloroethene

Concen: 0.867 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049040.D

Acq: 11 Jun 2022 08:43

Instrument :

MSVOA_U

ClientSampleId :

EXYZ0

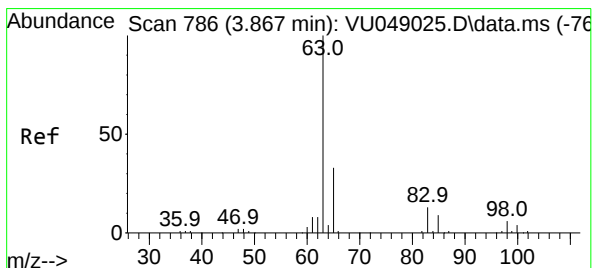
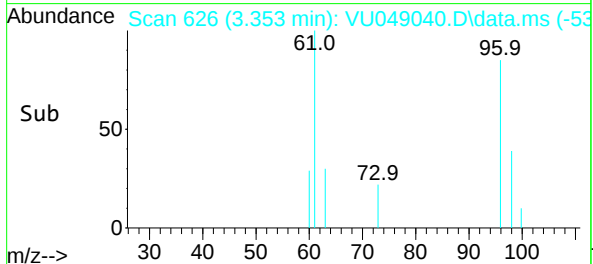
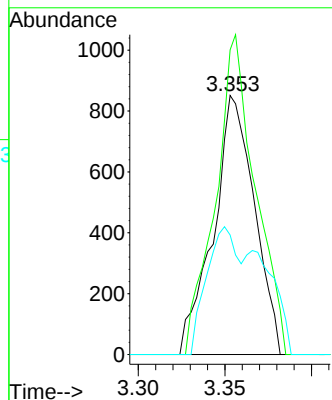
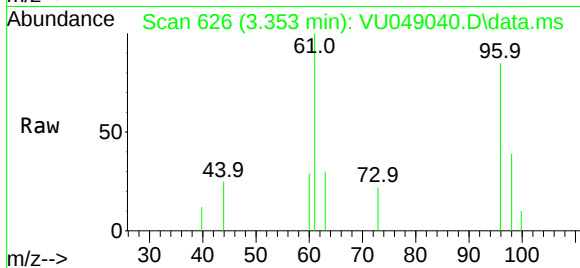
Tgt Ion: 96 Resp: 1405

Ion Ratio Lower Upper

96 100

61 117.6 99.3 184.3

98 46.2 44.7 83.1



#19

1,1-Dichloroethane

Concen: 12.999 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049040.D

Acq: 11 Jun 2022 08:43

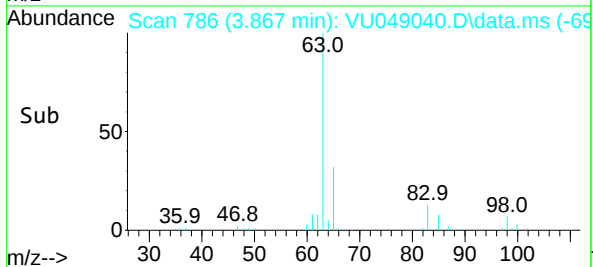
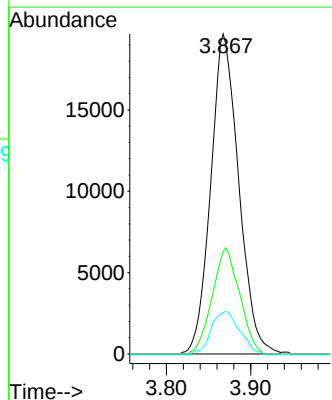
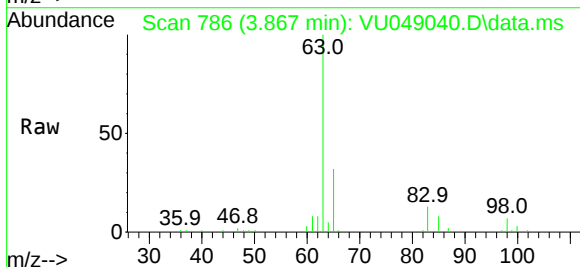
Tgt Ion: 63 Resp: 45374

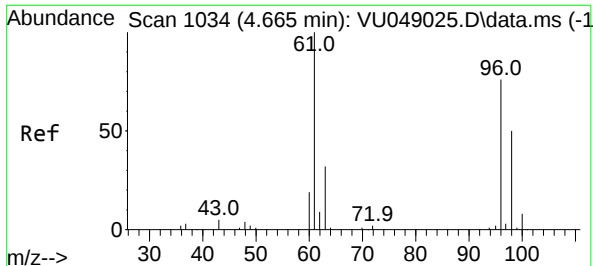
Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 12.9 9.5 17.7

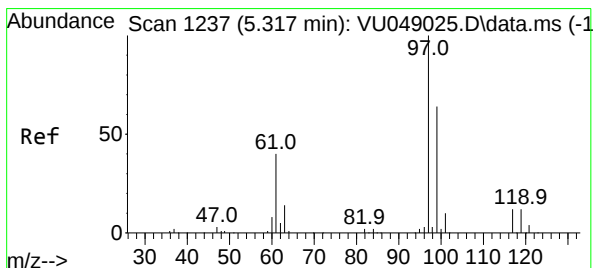
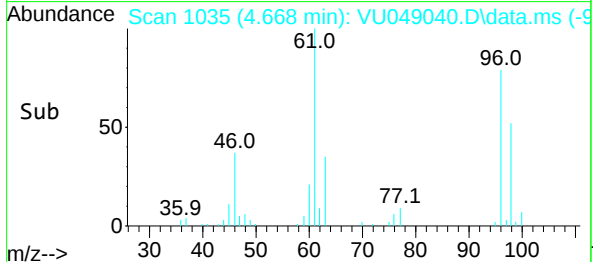
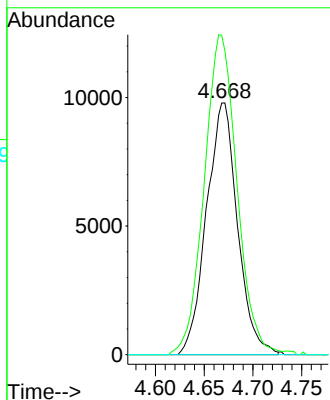
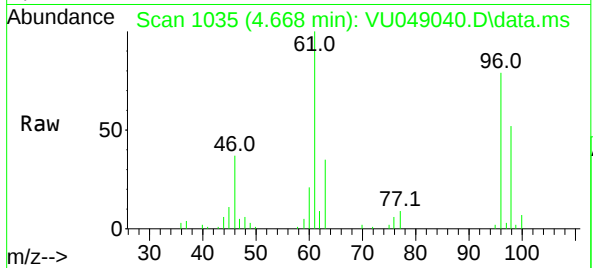




#20
 cis-1,2-Dichloroethene
 Concen: 11.014 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU049040.D
 Acq: 11 Jun 2022 08:43

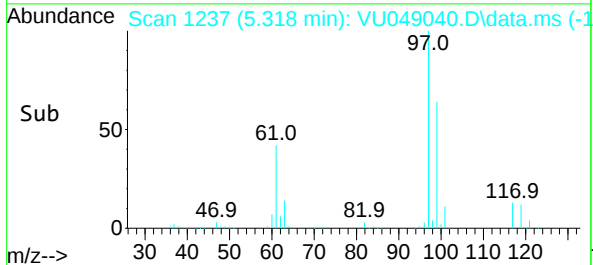
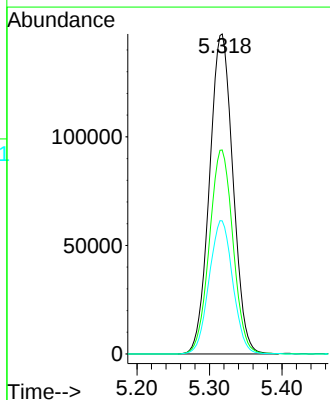
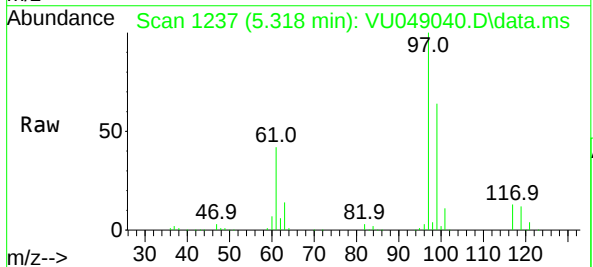
Instrument :
 MSVOA_U
 ClientSampleId :
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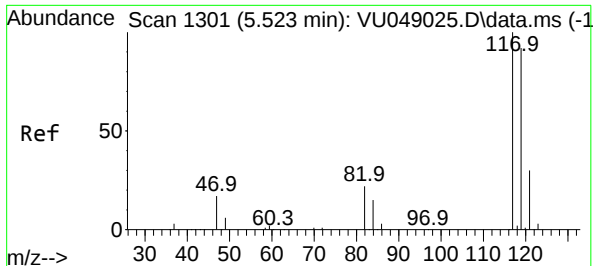
Tgt Ion: 96 Resp: 21712
 Ion Ratio Lower Upper
 96 100
 61 126.9 91.6 170.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 105.491 ug/L
 RT: 5.318 min Scan# 1237
 Delta R.T. 0.000 min
 Lab File: VU049040.D
 Acq: 11 Jun 2022 08:43

Tgt Ion: 97 Resp: 331837
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 42.0 34.2 51.2

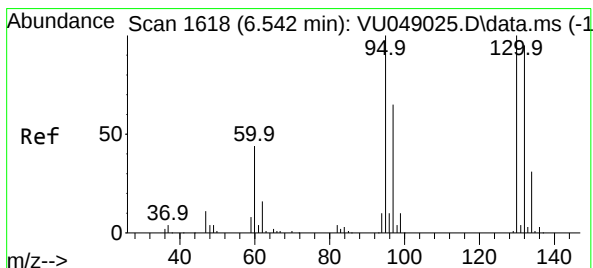
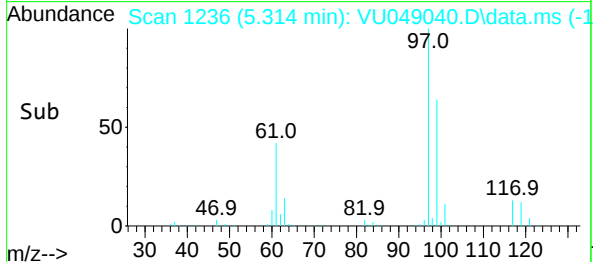
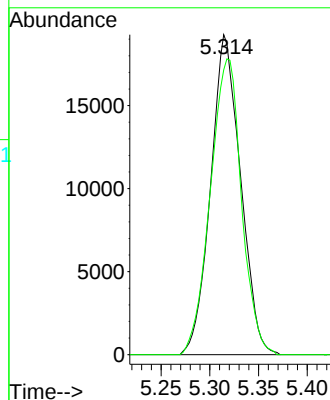
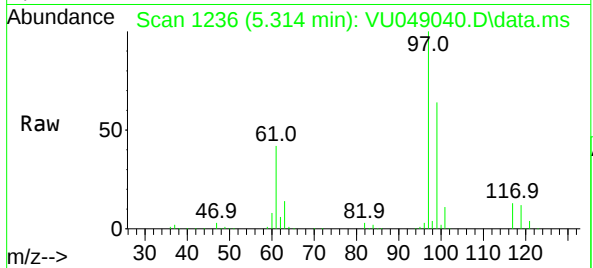




#31
Carbon tetrachloride
Concen: 14.940 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU049040.D
Acq: 11 Jun 2022 08:43

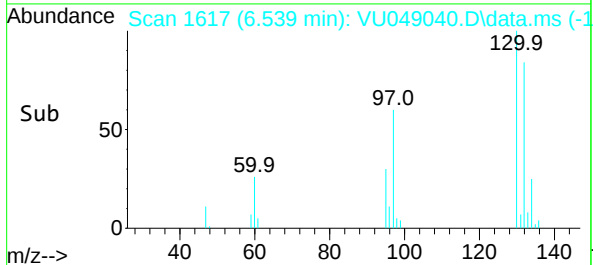
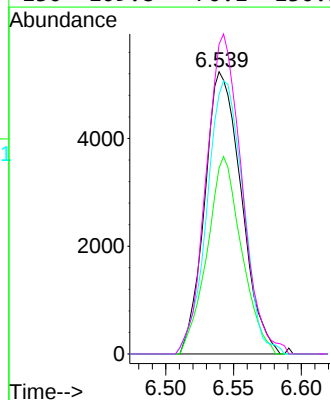
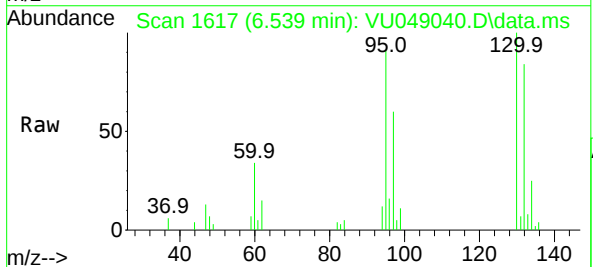
Instrument :
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ClientSampleId :
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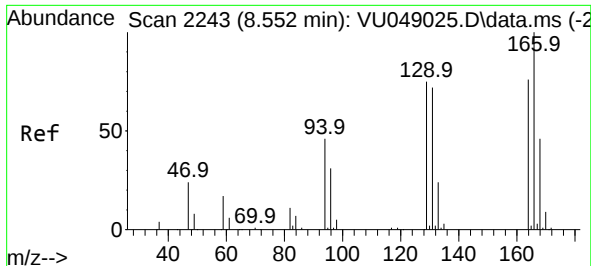
Tgt Ion:117 Resp: 41102
Ion Ratio Lower Upper
117 100
119 96.4 76.5 114.7



#34
Trichloroethene
Concen: 5.339 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU049040.D
Acq: 11 Jun 2022 08:43

Tgt Ion: 95 Resp: 9835
Ion Ratio Lower Upper
95 100
97 65.9 45.4 84.4
132 91.9 67.6 125.6
130 109.8 70.1 130.3

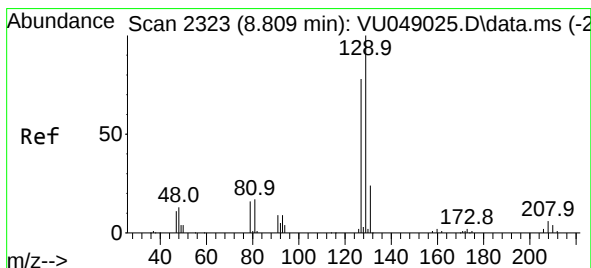
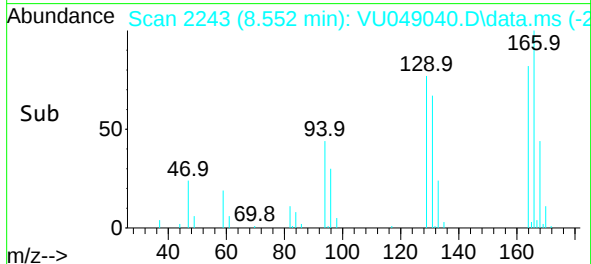
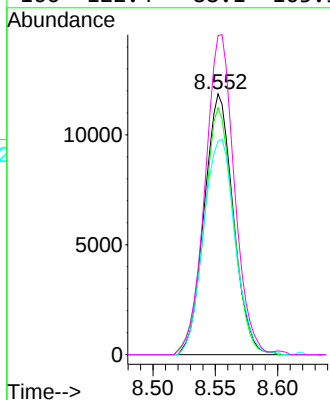
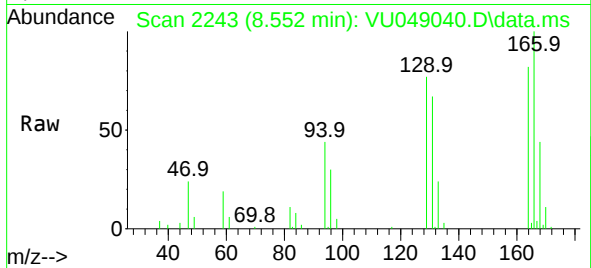




#46
Tetrachloroethene
Concen: 13.461 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049040.D
Acq: 11 Jun 2022 08:43

Instrument :
MSVOA_U
ClientSampleId :
EXYZ0

Tgt Ion:164 Resp: 19224
Ion Ratio Lower Upper
164 100
129 94.7 70.9 131.7
131 81.9 66.2 123.0
166 122.4 88.1 163.5



#49
Dibromochloromethane
Concen: 8.337 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049040.D
Acq: 11 Jun 2022 08:43

Tgt Ion:129 Resp: 18535
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

