

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049045.D
 Acq On : 11 Jun 2022 10:39
 Operator : SY/MD
 Sample : N3249-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT2

Quant Time: Jun 11 10:57:34 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)

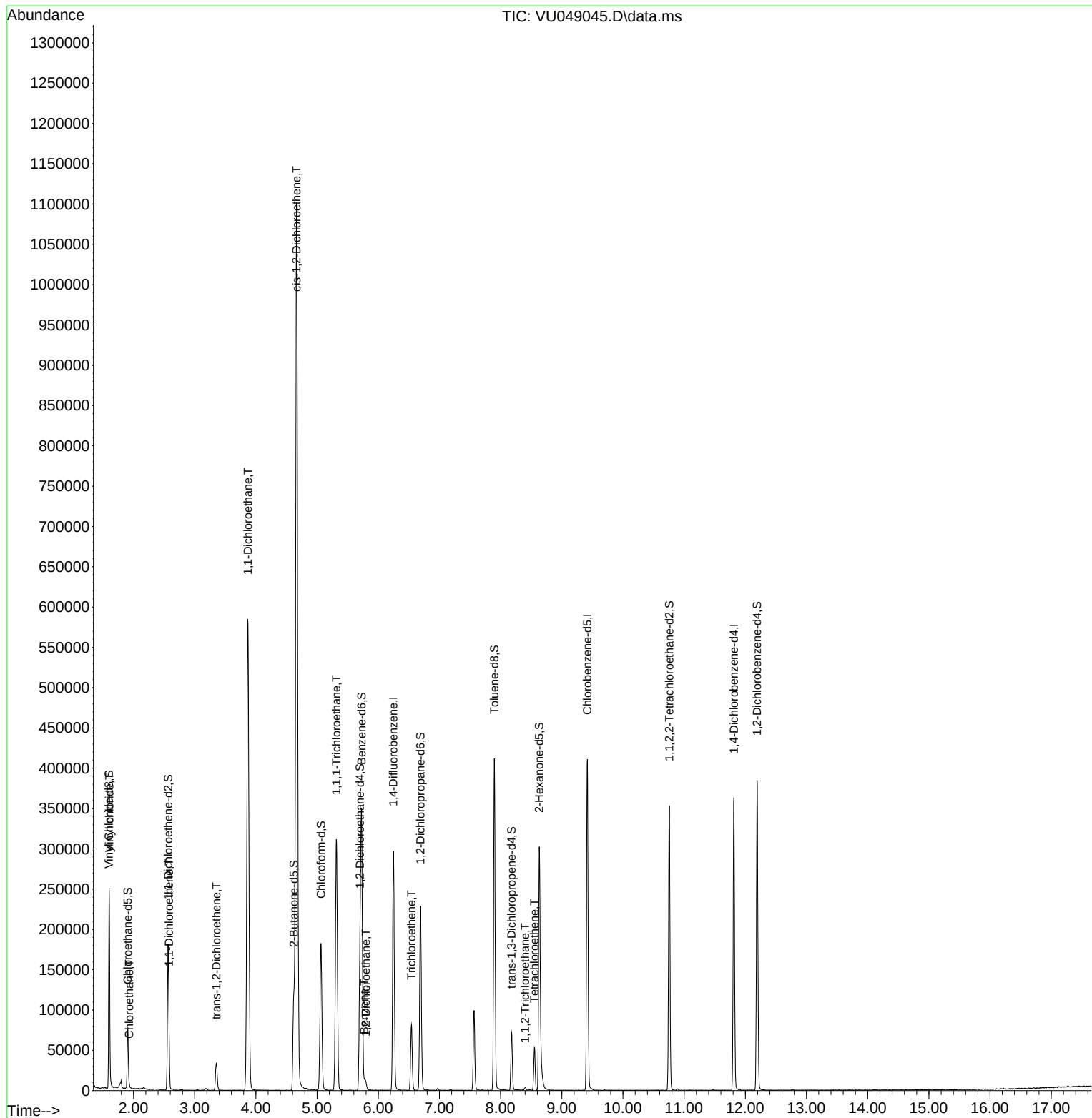
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	240320	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	232391	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	98874	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	74718	50.469	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.940%			
7) Chloroethane-d5	1.906	69	55334	50.904	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.800%			
11) 1,1-Dichloroethene-d2	2.565	63	107061	38.324	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.640%			
21) 2-Butanone-d5	4.620	46	167874	103.422	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.420%			
24) Chloroform-d	5.064	84	171641	54.347	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.700%			
26) 1,2-Dichloroethane-d4	5.700	65	116139	56.760	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.520%			
32) Benzene-d6	5.726	84	323637	56.162	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.320%			
36) 1,2-Dichloropropane-d6	6.687	67	110123	56.846	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 113.700%			
41) Toluene-d8	7.896	98	275572	54.224	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.440%			
43) trans-1,3-Dichloroprop...	8.179	79	41158	45.161	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.320%			
47) 2-Hexanone-d5	8.629	63	91959	90.700	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.700%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	172746	53.390	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 106.780%			
66) 1,2-Dichlorobenzene-d4	12.192	152	105057	61.067	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 122.140%#			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	111383	52.561	ug/L	100
8) Chloroethane	1.929	64	1751	1.479	ug/L #	80
12) 1,1-Dichloroethene	2.578	96	6847	4.620	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	14588	8.953	ug/L	99
19) 1,1-Dichloroethane	3.868	63	678370	193.246	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	573696	289.391	ug/L	100
27) 1,2-Dichloroethane	5.797	62	7660	2.572	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	233652	72.095	ug/L	99
33) Benzene	5.771	78	7768	1.032	ug/L	100
34) Trichloroethene	6.543	95	26984	14.219	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	1347	0.655	ug/L	90
46) Tetrachloroethene	8.552	164	12404	8.431	ug/L	87

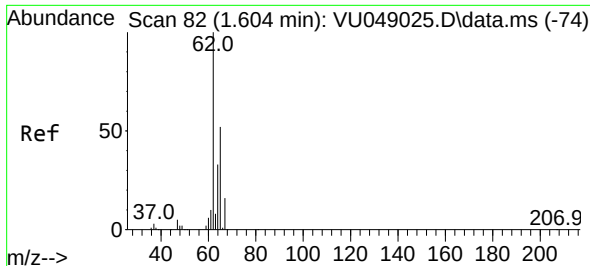
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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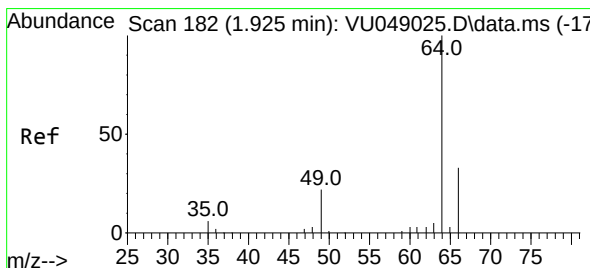
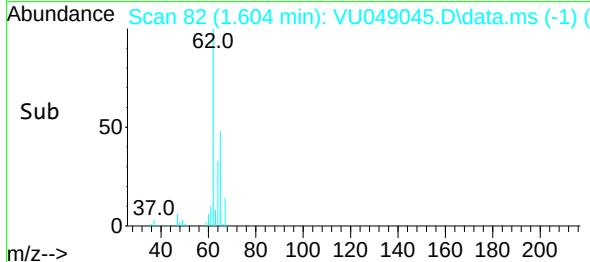
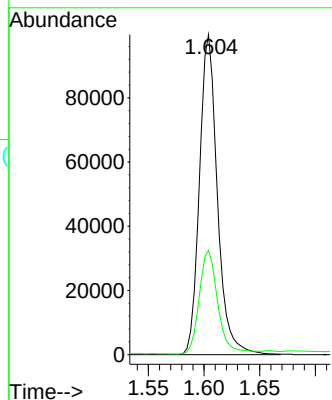
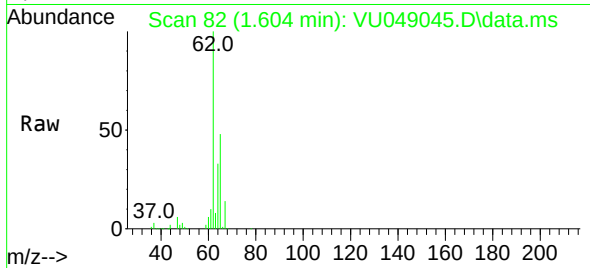




#5
 Vinyl chloride
 Concen: 52.561 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049045.D
 Acq: 11 Jun 2022 10:39

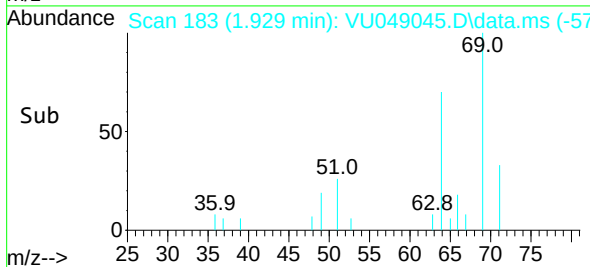
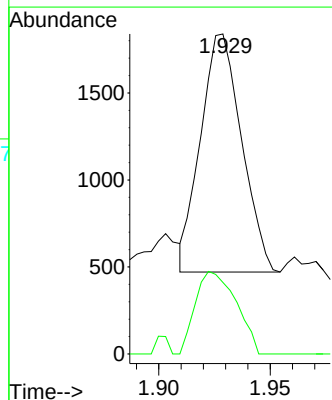
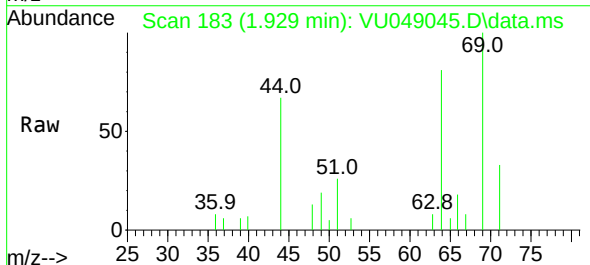
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT2

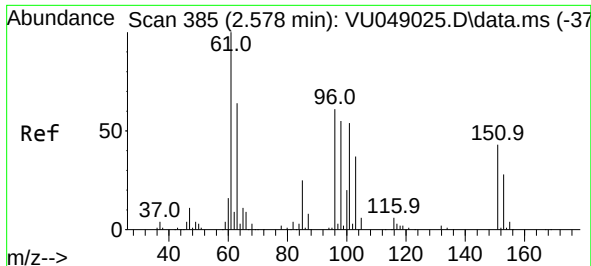
Tgt Ion: 62 Resp: 111383
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.3



#8
 Chloroethane
 Concen: 1.479 ug/L
 RT: 1.929 min Scan# 183
 Delta R.T. 0.004 min
 Lab File: VU049045.D
 Acq: 11 Jun 2022 10:39

Tgt Ion: 64 Resp: 1751
 Ion Ratio Lower Upper
 64 100
 66 22.3 23.7 43.9#





#12

1,1-Dichloroethene

Concen: 4.620 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU049045.D

Acq: 11 Jun 2022 10:39

Instrument :

MSVOA_U

ClientSampleId :

EXYT2

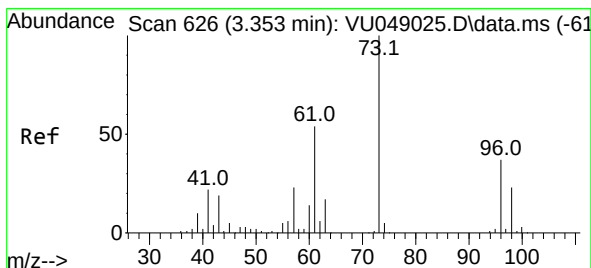
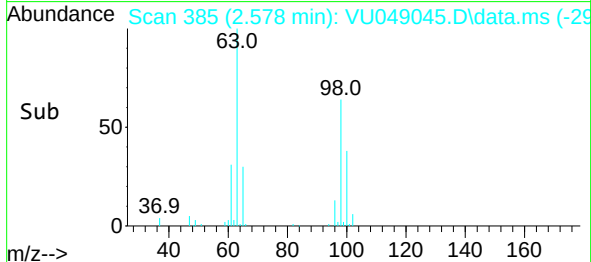
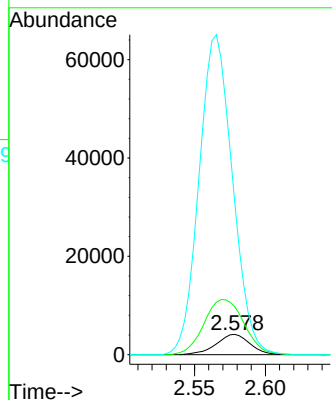
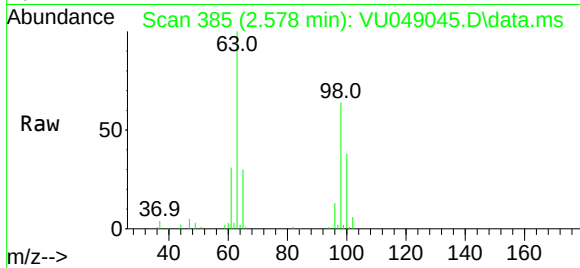
Tgt Ion: 96 Resp: 6847

Ion Ratio Lower Upper

96 100

61 237.0 123.5 229.3#

63 757.6 86.0 159.8#



#17

trans-1,2-Dichloroethene

Concen: 8.953 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.004 min

Lab File: VU049045.D

Acq: 11 Jun 2022 10:39

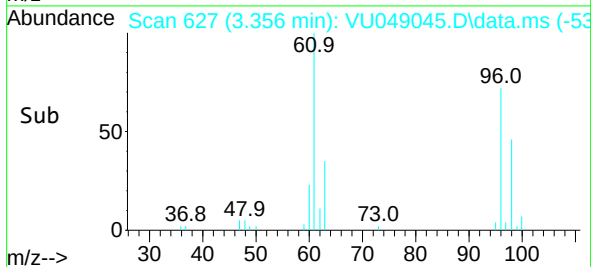
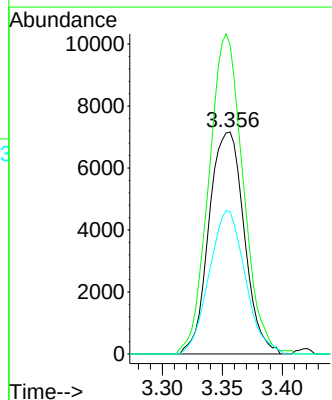
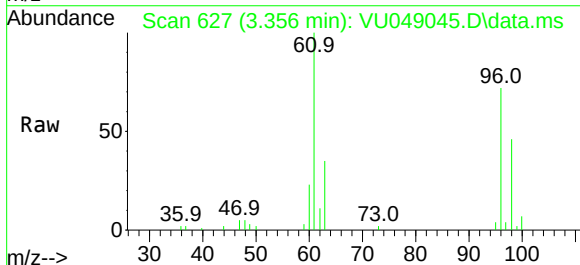
Tgt Ion: 96 Resp: 14588

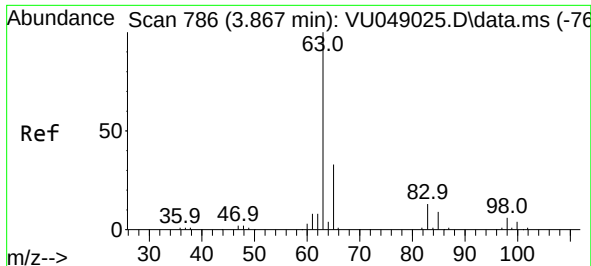
Ion Ratio Lower Upper

96 100

61 139.3 99.3 184.3

98 64.1 44.7 83.1

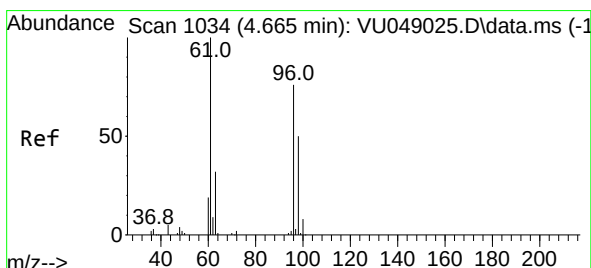
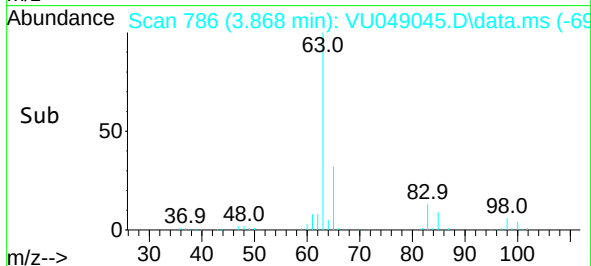
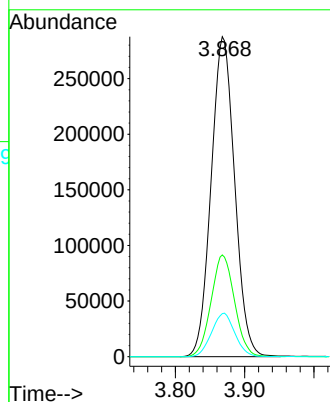
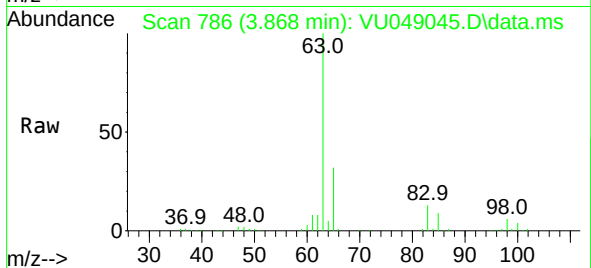




#19
1,1-Dichloroethane
Concen: 193.246 ug/L
RT: 3.868 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

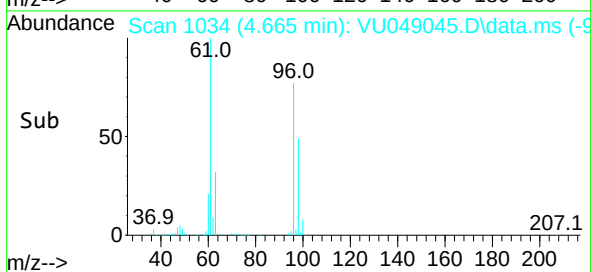
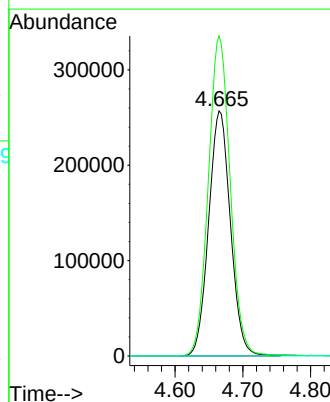
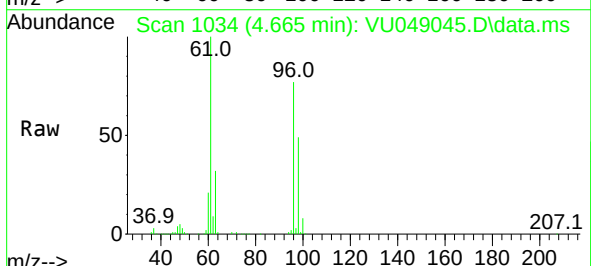
Instrument :
MSVOA_U
ClientSampleId :
EXYT2

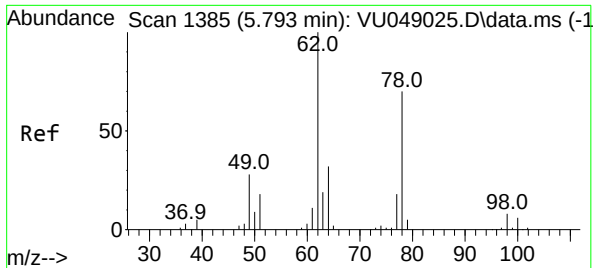
Tgt Ion: 63 Resp: 678370
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.5
83 13.4 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 289.391 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

Tgt Ion: 96 Resp: 573696
Ion Ratio Lower Upper
96 100
61 130.6 91.6 170.2
68 0.0 0.0 0.0

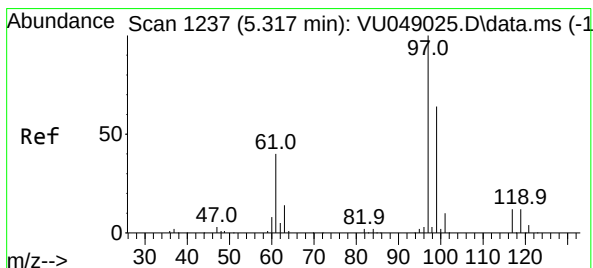
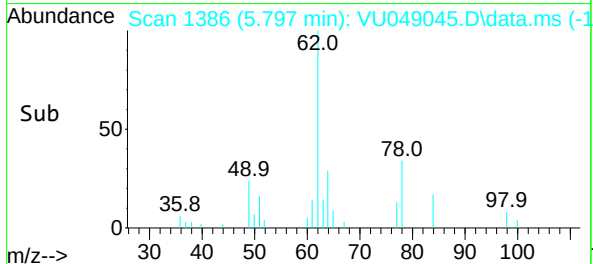
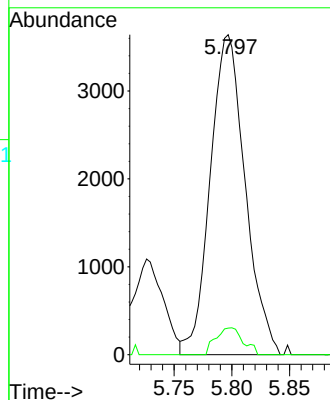
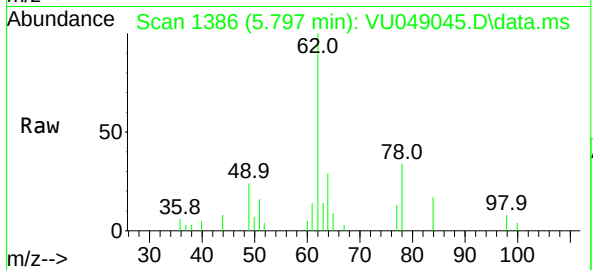




#27
1,2-Dichloroethane
Concen: 2.572 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

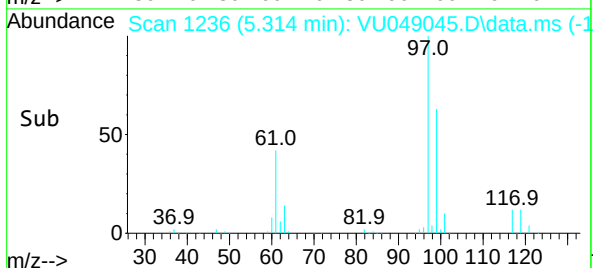
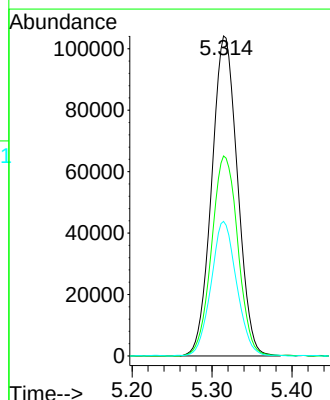
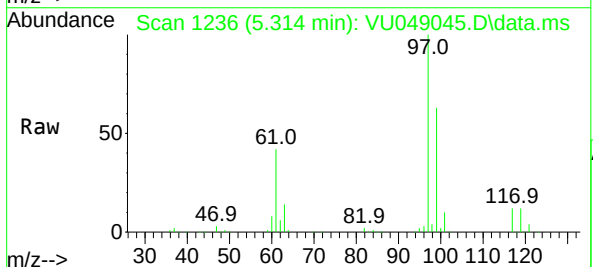
Instrument :
MSVOA_U
ClientSampleId :
EXYT2

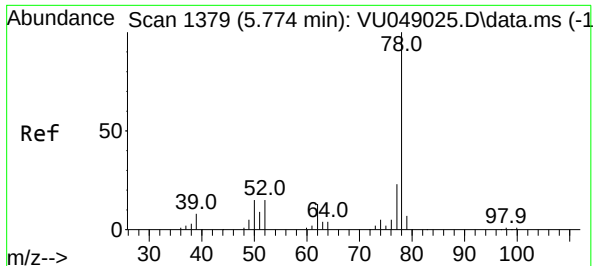
Tgt Ion: 62 Resp: 7660
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4



#30
1,1,1-Trichloroethane
Concen: 72.095 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

Tgt Ion: 97 Resp: 233652
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 41.6 34.2 51.2





#33

Benzene

Concen: 1.032 ug/L

RT: 5.771 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049045.D

Acq: 11 Jun 2022 10:39

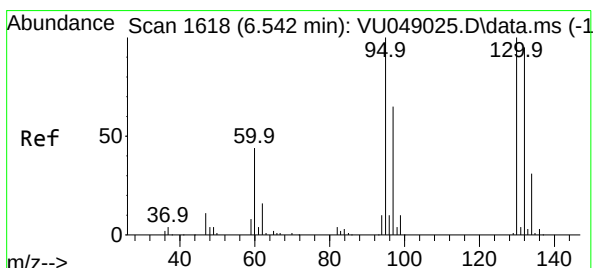
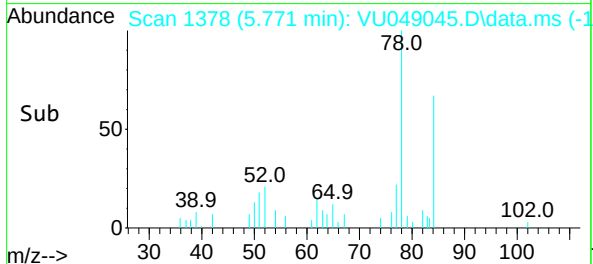
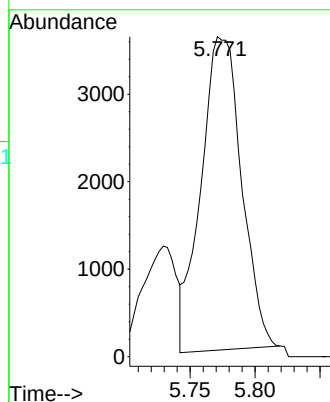
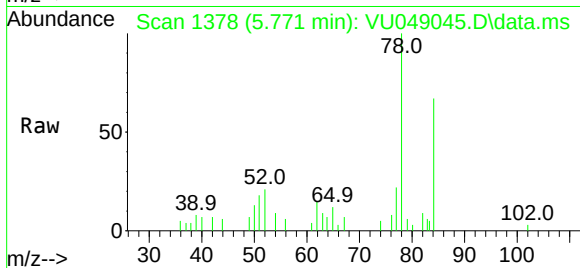
Instrument :

MSVOA_U

ClientSampleId :

EXYT2

Tgt Ion: 78 Resp: 7768



#34

Trichloroethene

Concen: 14.219 ug/L

RT: 6.543 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU049045.D

Acq: 11 Jun 2022 10:39

Tgt Ion: 95 Resp: 26984

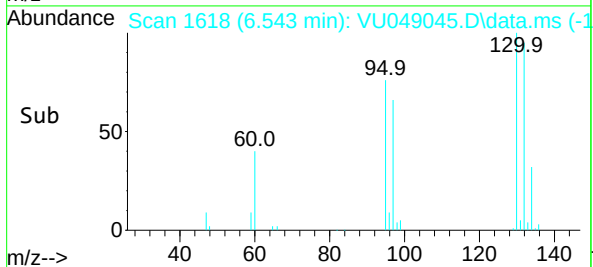
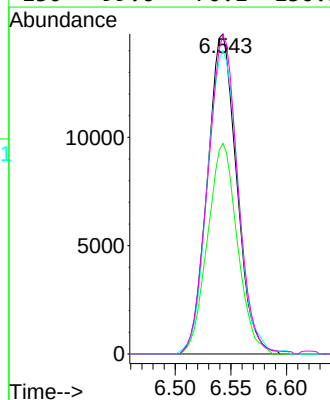
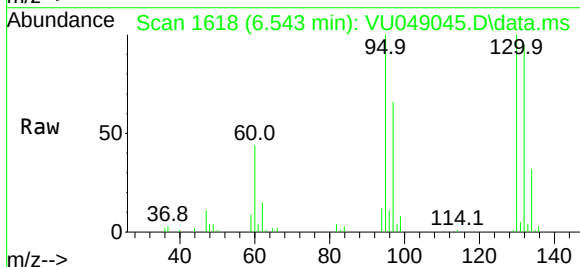
Ion Ratio Lower Upper

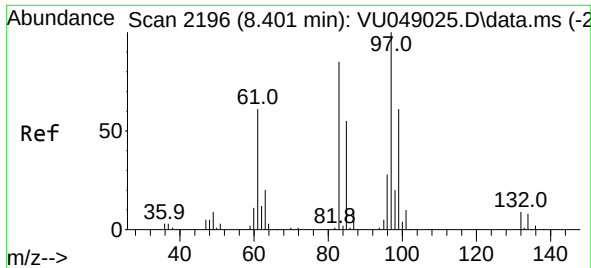
95 100

97 65.8 45.4 84.4

132 94.8 67.6 125.6

130 99.6 70.1 130.3

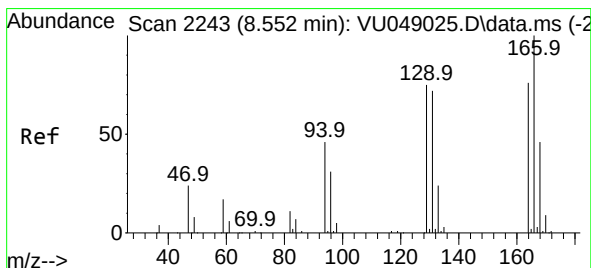
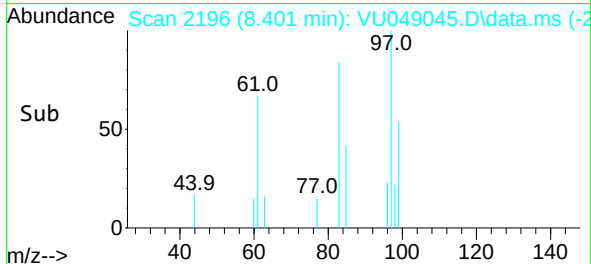
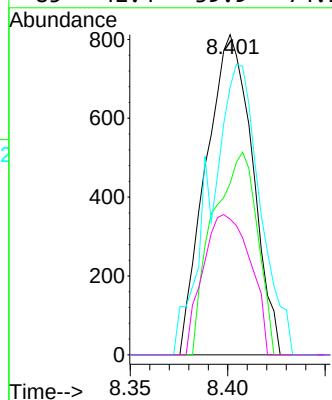
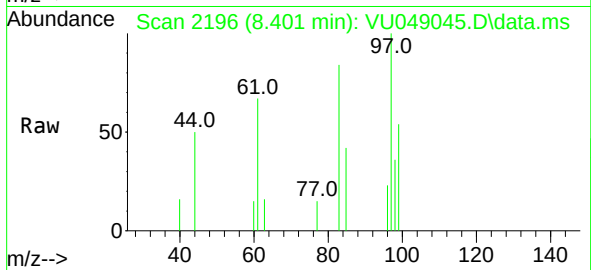




#45
1,1,2-Trichloroethane
Concen: 0.655 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

Instrument :
MSVOA_U
ClientSampleId :
EXYT2

Tgt Ion: 97	Resp: 1347
Ion Ratio	Lower Upper
97 100	
99 53.6	43.5 80.9
83 83.6	60.3 112.1
85 42.4	39.9 74.1



#46
Tetrachloroethene
Concen: 8.431 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049045.D
Acq: 11 Jun 2022 10:39

Tgt	Ion:164	Resp:	12404
Ion	Ratio	Lower	Upper
164	100		
129	83.8	70.9	131.7
131	83.5	66.2	123.0
166	114.5	88.1	163.5

