

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049032.D
 Acq On : 11 Jun 2022 05:36
 Operator : SY/MD
 Sample : N3249-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX2

Quant Time: Jun 11 07:57:20 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)

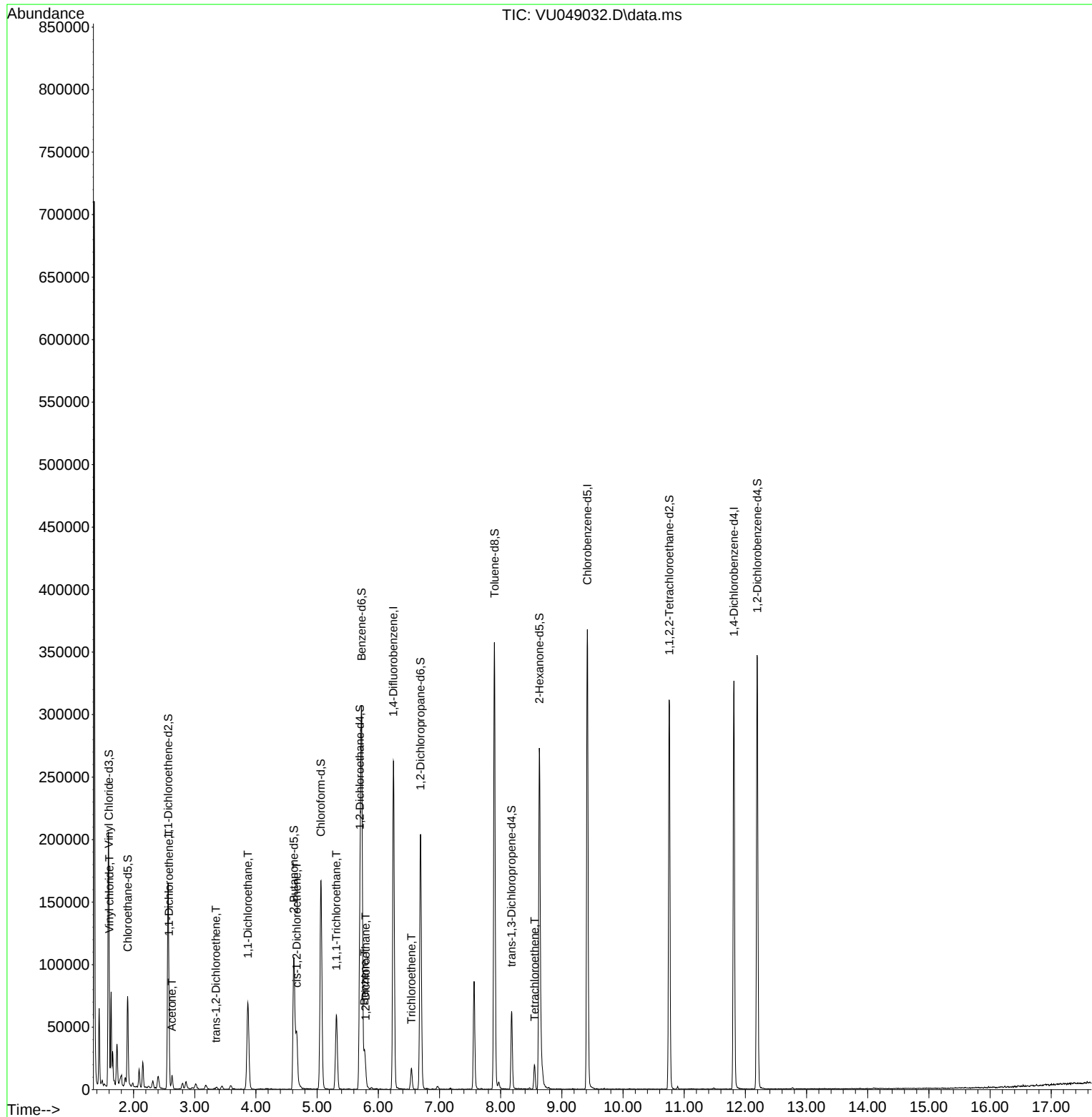
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	211342	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207037	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89068	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68230	52.405	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.820%			
7) Chloroethane-d5	1.903	69	51784	54.170	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.340%			
11) 1,1-Dichloroethene-d2	2.565	63	99038	40.313	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.620%			
21) 2-Butanone-d5	4.620	46	149000	104.381	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.380%			
24) Chloroform-d	5.060	84	155869	56.120	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.240%			
26) 1,2-Dichloroethane-d4	5.700	65	107014	59.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 118.940%			
32) Benzene-d6	5.726	84	281528	54.838	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.680%			
36) 1,2-Dichloropropane-d6	6.690	67	97246	56.346	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.700%			
41) Toluene-d8	7.899	98	235532	52.021	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.040%			
43) trans-1,3-Dichloroprop...	8.179	79	35158	43.301	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.600%			
47) 2-Hexanone-d5	8.633	63	81494	90.221	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.220%			
56) 1,1,2,2-Tetrachloroeth...	10.755	84	153120	53.120	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 106.240%			
66) 1,2-Dichlorobenzene-d4	12.195	152	94483	60.967	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 121.940%#			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1911	1.025	ug/L #	1
12) 1,1-Dichloroethene	2.578	96	5585	4.285	ug/L #	1
13) Acetone	2.626	43	3311	2.948	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	783	0.546	ug/L	86
19) 1,1-Dichloroethane	3.867	63	80748	26.156	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	19647	11.269	ug/L	91
27) 1,2-Dichloroethane	5.793	62	7124	2.720	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	43126	14.936	ug/L	98
33) Benzene	5.774	78	25108	3.743	ug/L	100
34) Trichloroethene	6.539	95	5332	3.154	ug/L	90
46) Tetrachloroethene	8.555	164	4821	3.678	ug/L	97

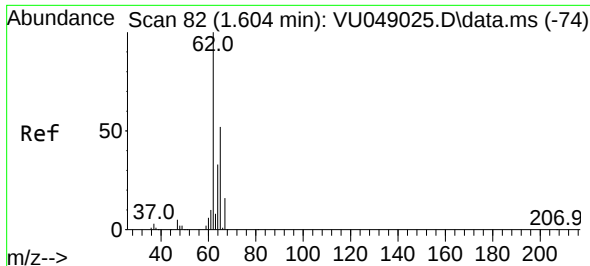
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 11 04:33:31 2022
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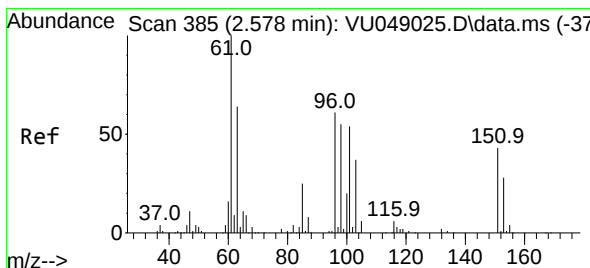
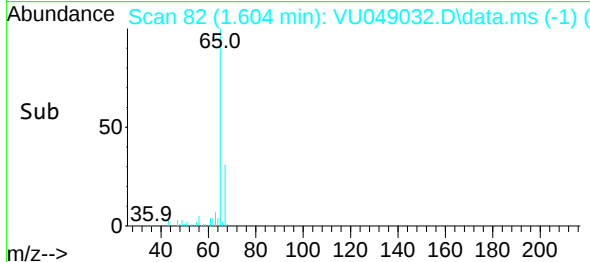
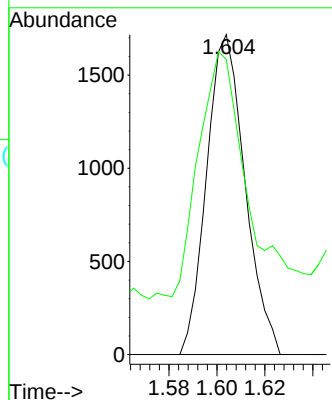
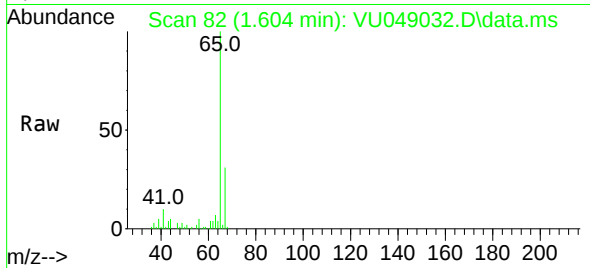




#5
 Vinyl chloride
 Concen: 1.025 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

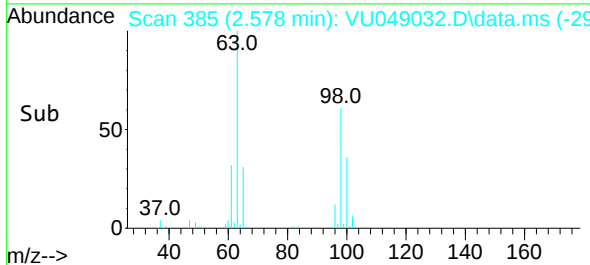
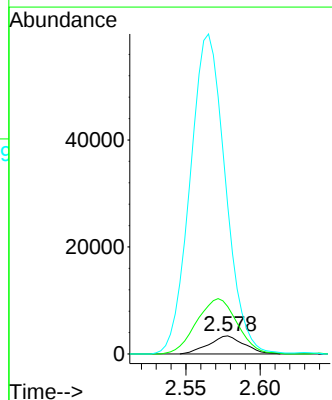
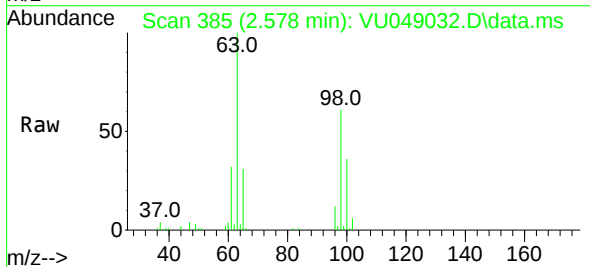
Instrument :
 MSVOA_U
 Client Sample Id :
 EXYX2

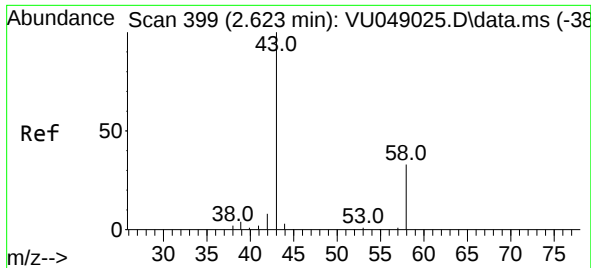
Tgt Ion: 62 Resp: 1911
 Ion Ratio Lower Upper
 62 100
 64 92.3 22.7 42.3#



#12
 1,1-Dichloroethene
 Concen: 4.285 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

Tgt Ion: 96 Resp: 5585
 Ion Ratio Lower Upper
 96 100
 61 260.6 123.5 229.3#
 63 817.9 86.0 159.8#





#13

Acetone

Concen: 2.948 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

Instrument :

MSVOA_U

ClientSampleId :

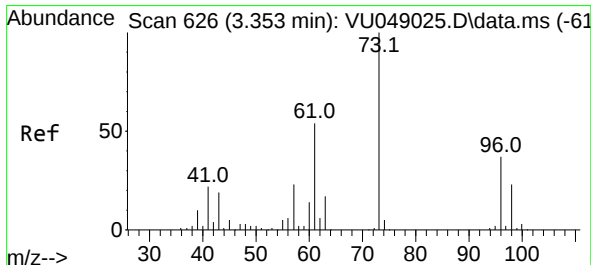
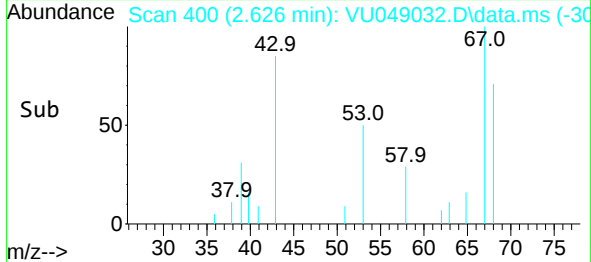
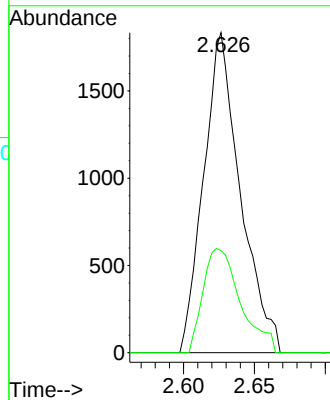
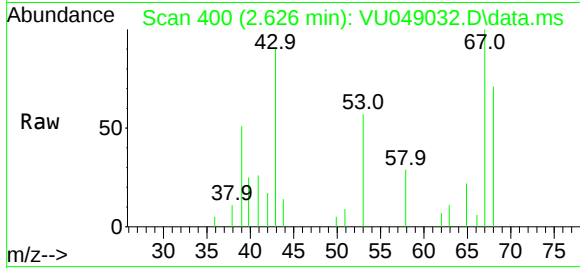
EXYX2

Tgt Ion: 43 Resp: 3311

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



#17

trans-1,2-Dichloroethene

Concen: 0.546 ug/L

RT: 3.347 min Scan# 624

Delta R.T. -0.006 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

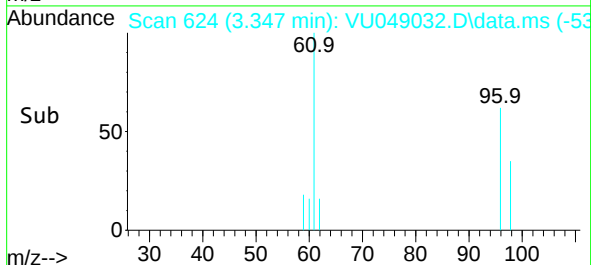
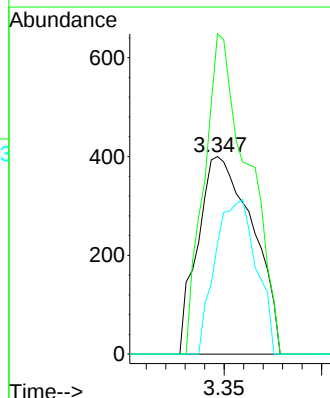
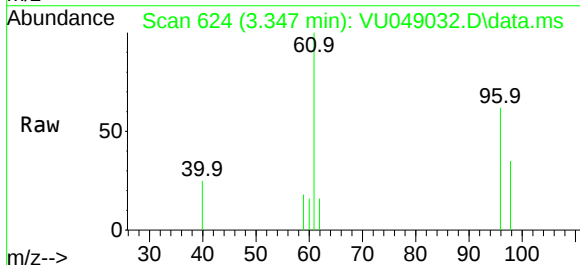
Tgt Ion: 96 Resp: 783

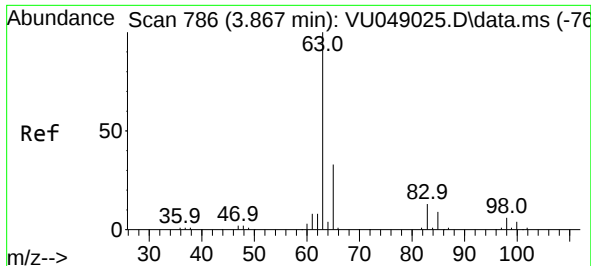
Ion Ratio Lower Upper

96 100

61 162.0 99.3 184.3

98 56.0 44.7 83.1

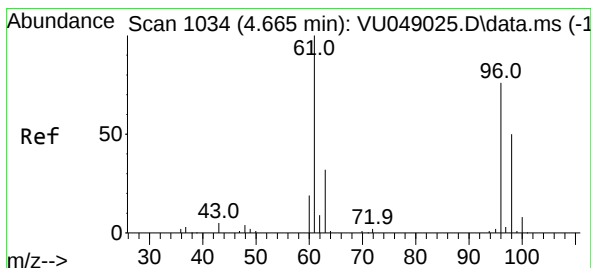
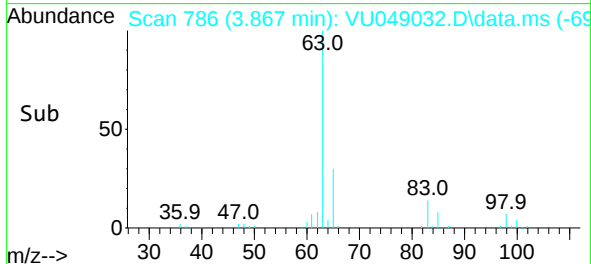
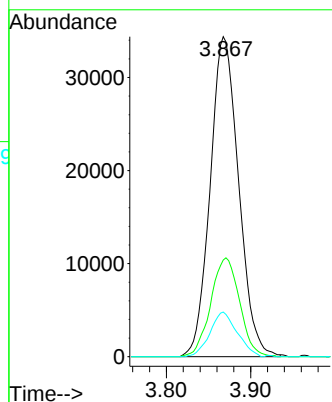
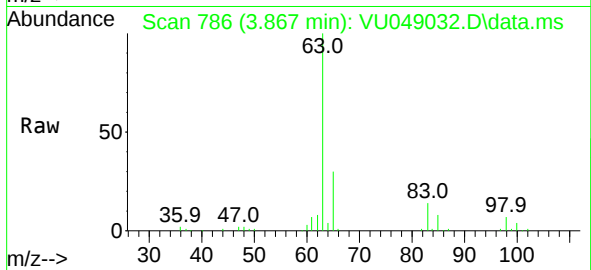




#19
1,1-Dichloroethane
Concen: 26.156 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

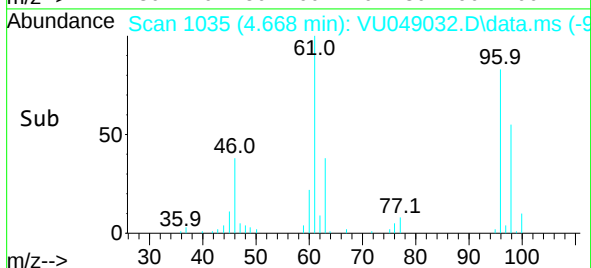
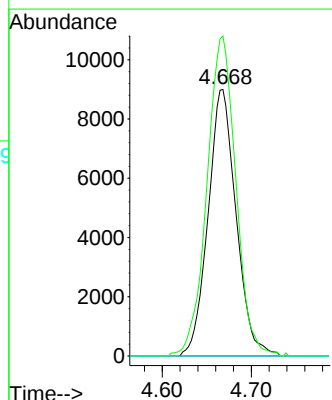
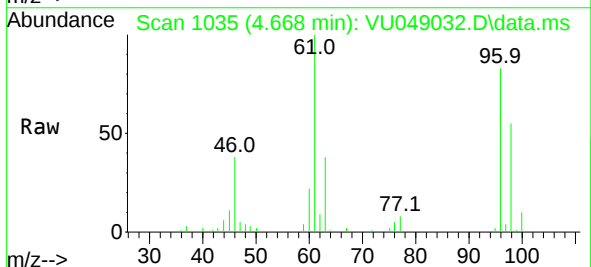
Instrument :
MSVOA_U
ClientSampleId :
EXYX2

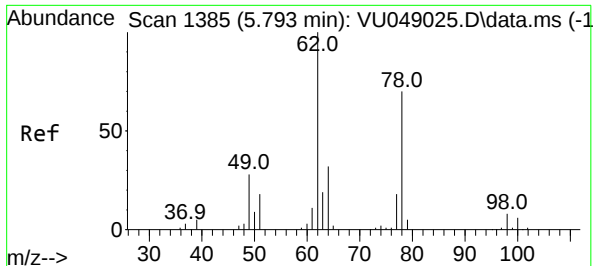
Tgt Ion: 63 Resp: 80748
Ion Ratio Lower Upper
63 100
65 30.2 22.3 41.5
83 14.0 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 11.269 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion: 96 Resp: 19647
Ion Ratio Lower Upper
96 100
61 120.0 91.6 170.2
68 0.0 0.0 0.0

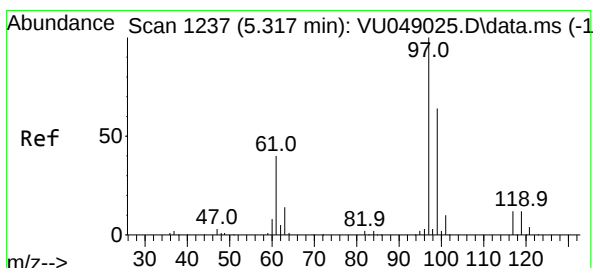
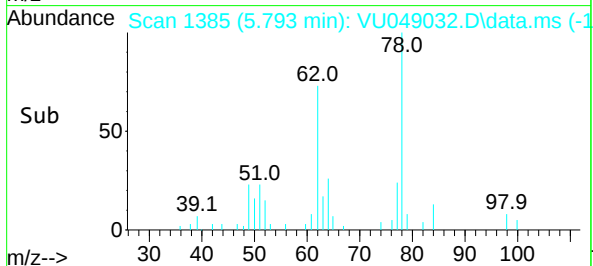
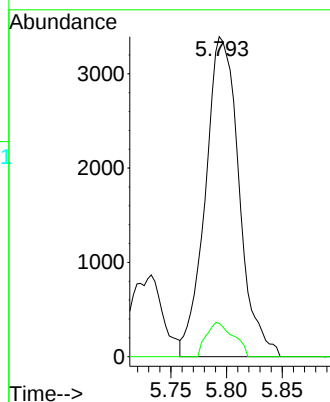
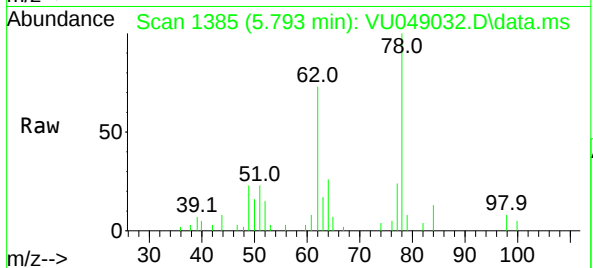




#27
1,2-Dichloroethane
Concen: 2.720 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

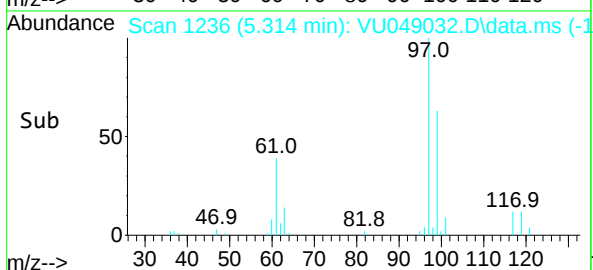
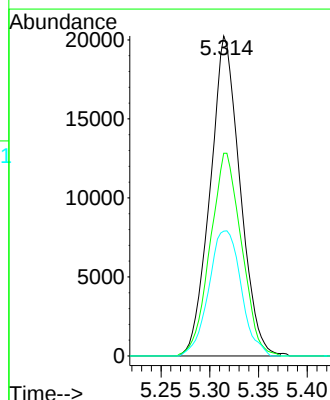
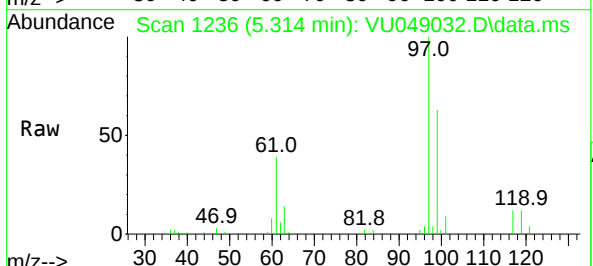
Instrument :
MSVOA_U
ClientSampleId :
EXYX2

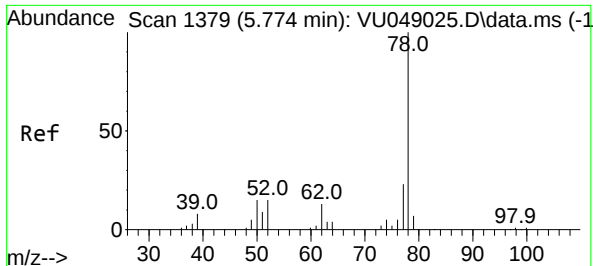
Tgt Ion: 62 Resp: 7124
Ion Ratio Lower Upper
62 100
98 10.4 7.0 10.4



#30
1,1,1-Trichloroethane
Concen: 14.936 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion: 97 Resp: 43126
Ion Ratio Lower Upper
97 100
99 66.4 50.9 76.3
61 42.5 34.2 51.2





#33

Benzene

Concen: 3.743 ug/L

RT: 5.774 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

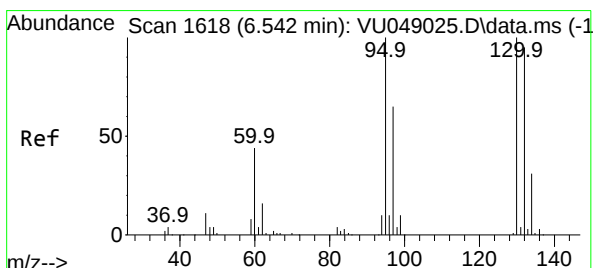
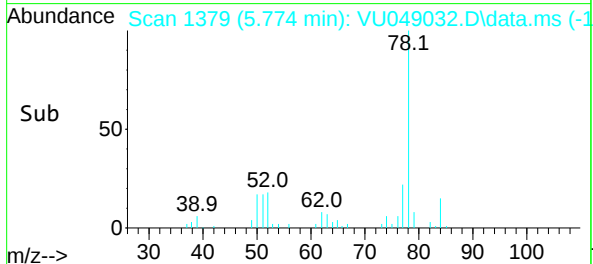
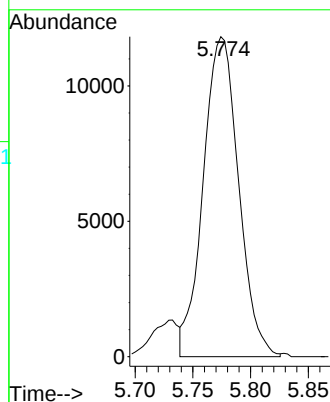
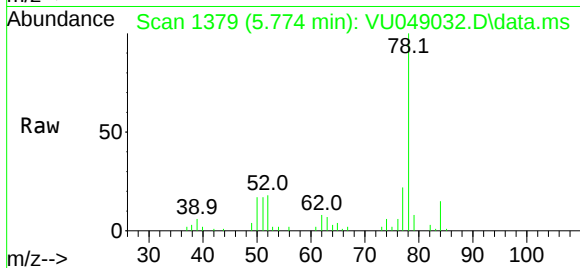
Instrument :

MSVOA_U

ClientSampleId :

EXYX2

Tgt Ion: 78 Resp: 25108



#34

Trichloroethene

Concen: 3.154 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.003 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

Tgt Ion: 95 Resp: 5332

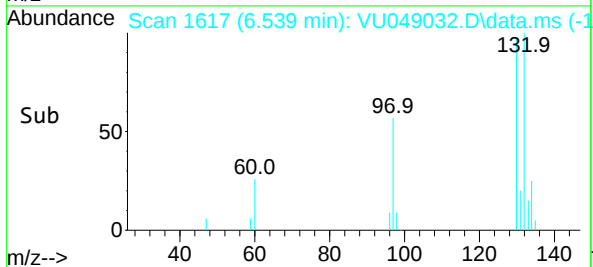
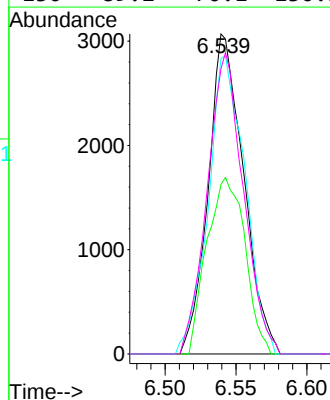
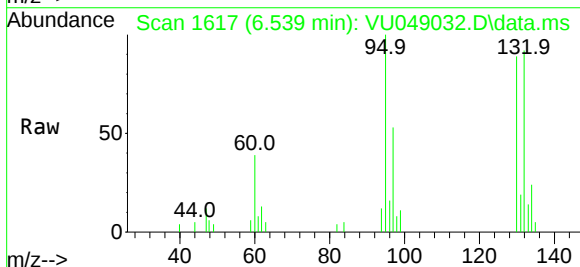
Ion Ratio Lower Upper

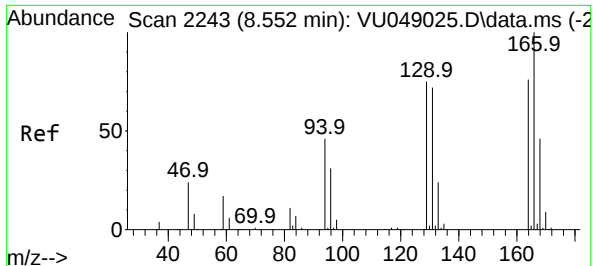
95 100

97 53.0 45.4 84.4

132 92.3 67.6 125.6

130 89.2 70.1 130.3





#46
 Tetrachloroethene
 Concen: 3.678 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX2

Tgt Ion:164	Resp:	4821
Ion	Ratio	Lower Upper
164	100	
129	99.9	70.9 131.7
131	92.1	66.2 123.0
166	119.7	88.1 163.5

