

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048981.D
 Acq On : 09 Jun 2022 17:18
 Operator : SY/MD
 Sample : N3248-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX6

Quant Time: Jun 10 01:04:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

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

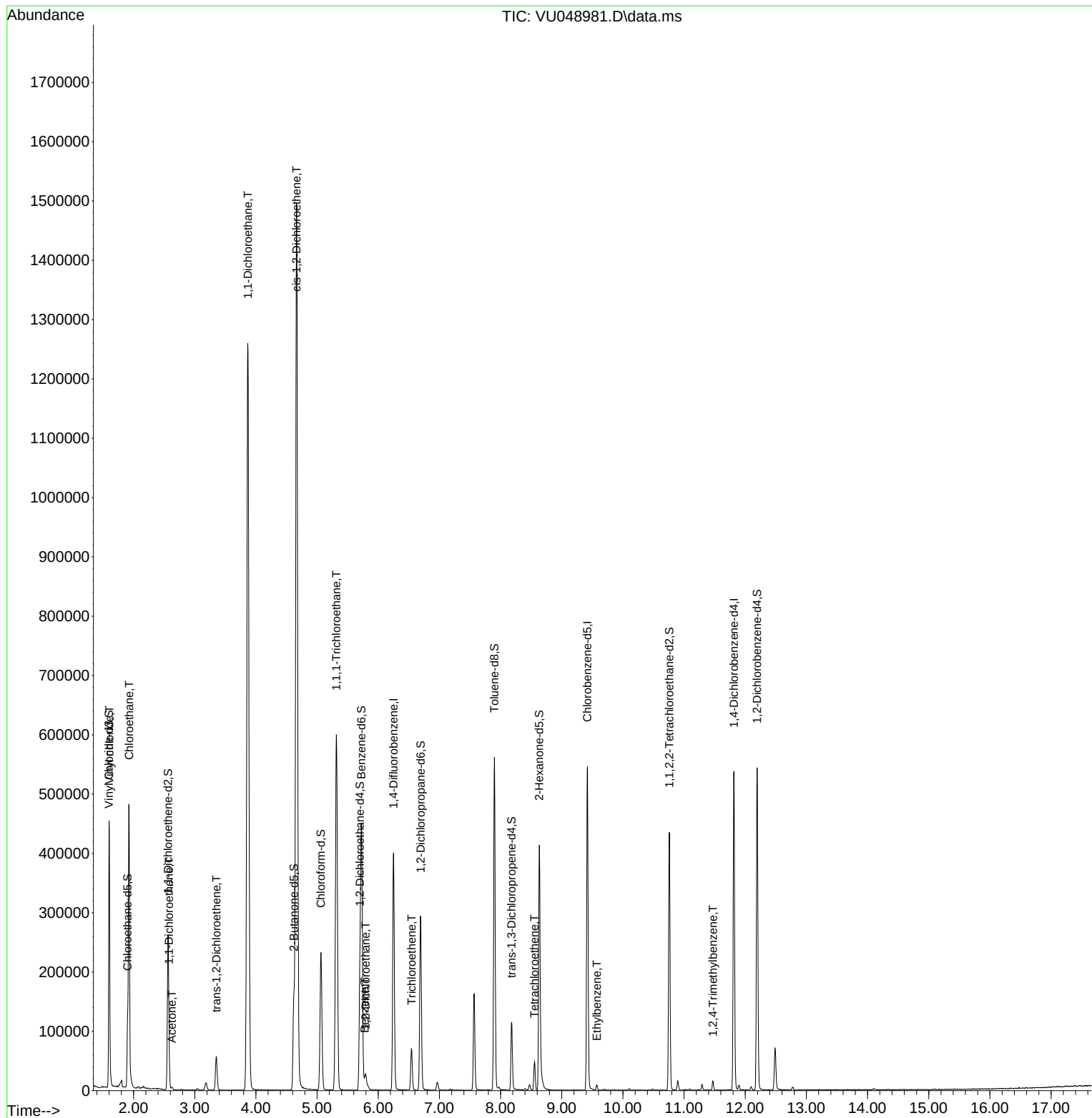
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	328770	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	305372	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	148428	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	106566	52.921	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 105.840%			
7) Chloroethane-d5	1.903	69	81493	54.018	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.040%			
11) 1,1-Dichloroethene-d2	2.562	63	152683	33.527	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 67.060%			
21) 2-Butanone-d5	4.620	46	214619	111.997	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 112.000%			
24) Chloroform-d	5.063	84	215265	42.304	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.600%			
26) 1,2-Dichloroethane-d4	5.700	65	142520	39.700	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 79.400%			
32) Benzene-d6	5.726	84	420517	49.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.960%			
36) 1,2-Dichloropropane-d6	6.693	67	143215	57.401	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 114.800%			
41) Toluene-d8	7.899	98	376573	47.107	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.220%			
43) trans-1,3-Dichloroprop...	8.179	79	66976	41.980	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.960%			
47) 2-Hexanone-d5	8.632	63	140245	102.498	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.500%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	217349	52.646	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.300%			
66) 1,2-Dichlorobenzene-d4	12.195	152	147113	48.483	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.960%			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	229714	99.057	ug/L	100
8) Chloroethane	1.925	64	323930	237.319	ug/L	99
12) 1,1-Dichloroethene	2.578	96	14109	6.596	ug/L #	1
13) Acetone	2.626	43	4998	3.210	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	23443	10.161	ug/L	94
19) 1,1-Dichloroethane	3.867	63	1481554	350.761	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	786140	302.150	ug/L	97
27) 1,2-Dichloroethane	5.793	62	18793	4.444	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	451552	97.659	ug/L	98
33) Benzene	5.777	78	10780	1.208	ug/L	100
34) Trichloroethene	6.546	95	24250	9.607	ug/L	95
46) Tetrachloroethene	8.552	164	11283	5.478	ug/L	94
52) Ethylbenzene	9.574	91	6908	0.622	ug/L	95
63) 1,2,4-Trimethylbenzene	11.471	105	8539	1.057	ug/L	97

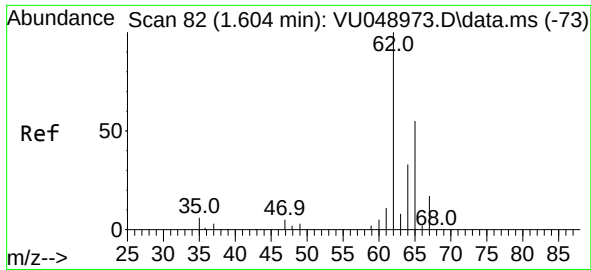
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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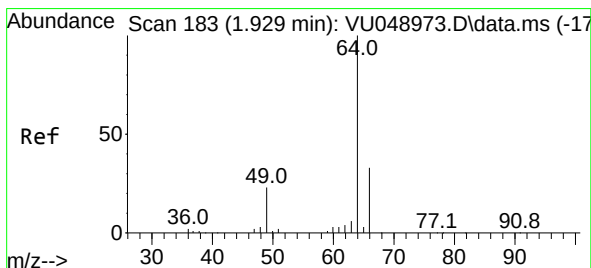
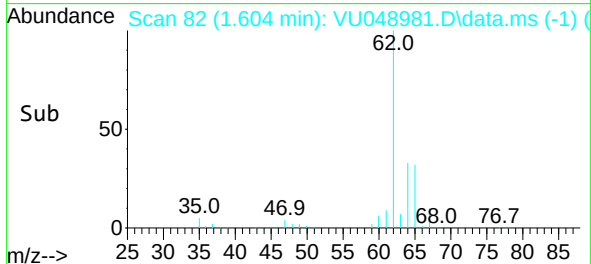
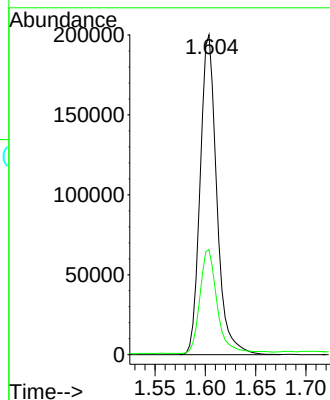
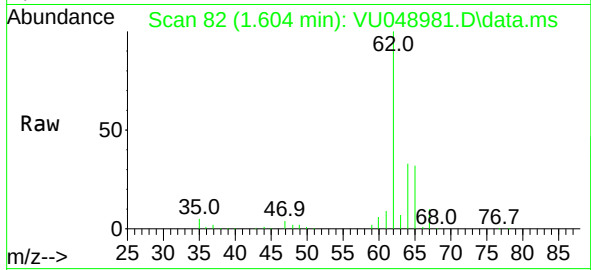




#5
 Vinyl chloride
 Concen: 99.057 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048981.D
 Acq: 09 Jun 2022 17:18

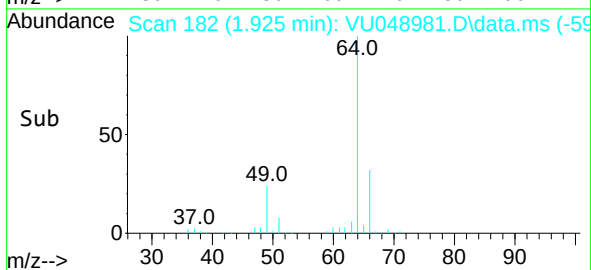
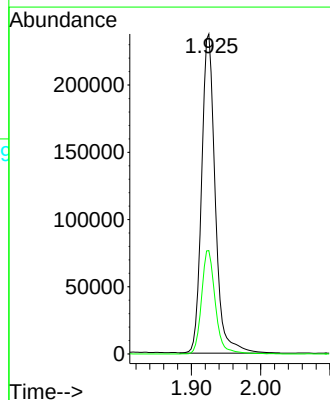
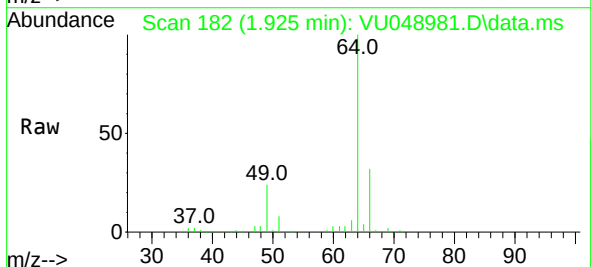
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX6

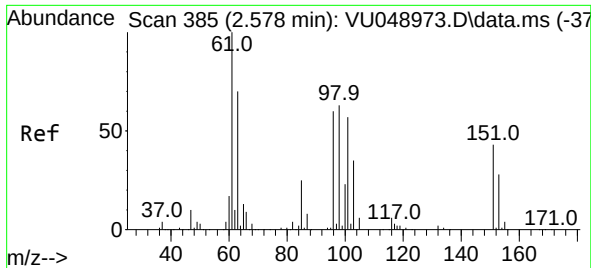
Tgt Ion: 62 Resp: 229714
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#8
 Chloroethane
 Concen: 237.319 ug/L
 RT: 1.925 min Scan# 182
 Delta R.T. -0.003 min
 Lab File: VU048981.D
 Acq: 09 Jun 2022 17:18

Tgt Ion: 64 Resp: 323930
 Ion Ratio Lower Upper
 64 100
 66 32.3 23.1 42.9





#12

1,1-Dichloroethene

Concen: 6.596 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU048981.D

Acq: 09 Jun 2022 17:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX6

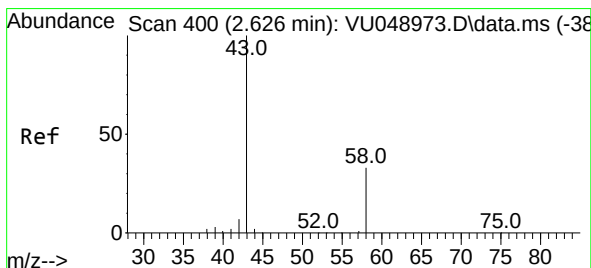
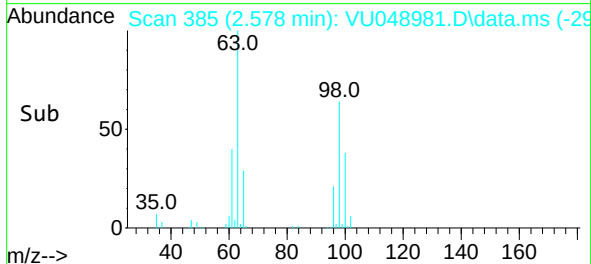
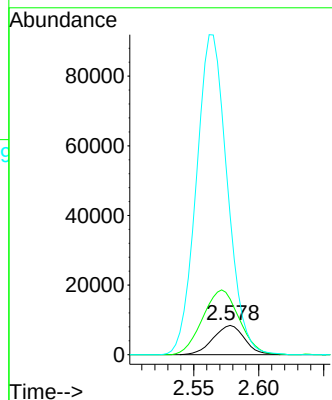
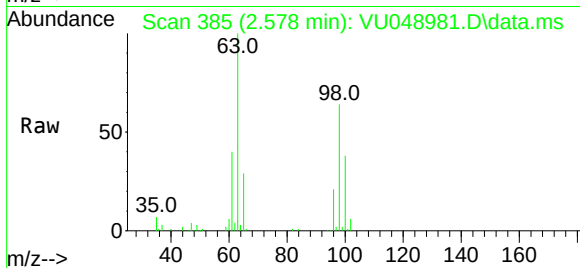
Tgt Ion: 96 Resp: 14109

Ion Ratio Lower Upper

96 100

61 189.6 120.6 224.0

63 475.0 82.3 152.9#



#13

Acetone

Concen: 3.210 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048981.D

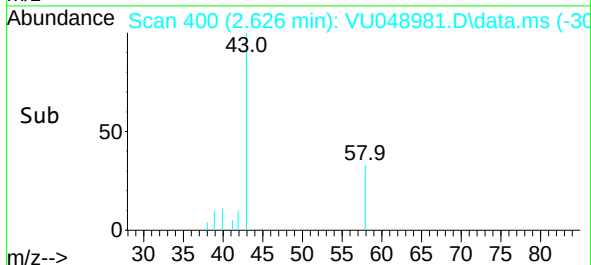
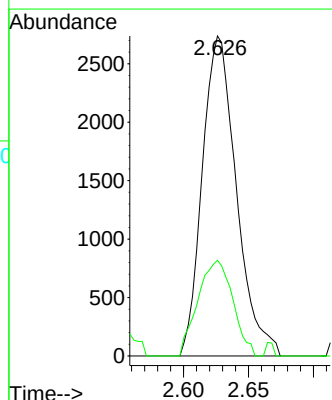
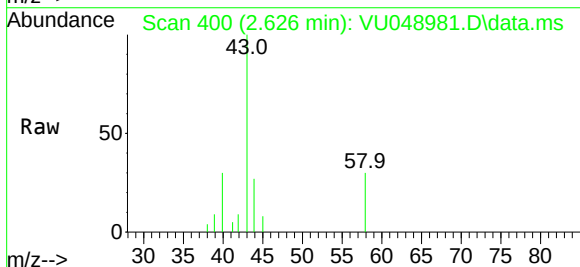
Acq: 09 Jun 2022 17:18

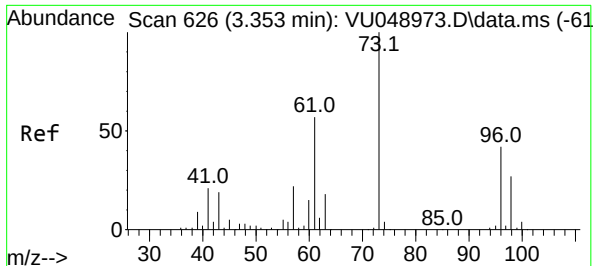
Tgt Ion: 43 Resp: 4998

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.8





#17

trans-1,2-Dichloroethene

Concen: 10.161 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048981.D

Acq: 09 Jun 2022 17:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX6

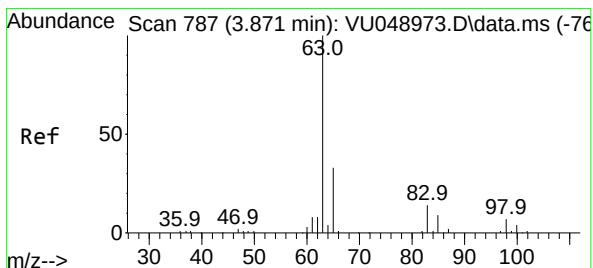
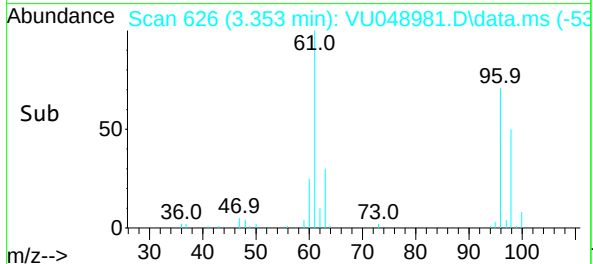
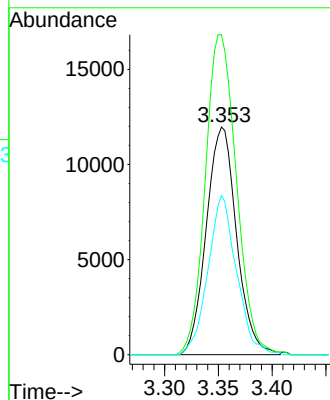
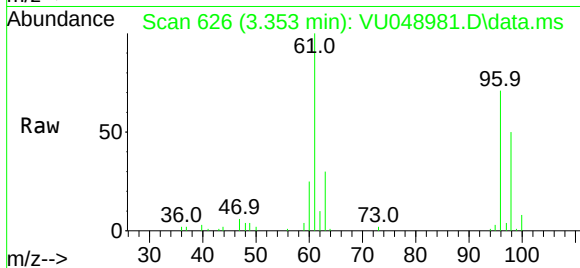
Tgt Ion: 96 Resp: 23443

Ion Ratio Lower Upper

96 100

61 140.6 94.2 175.0

98 69.9 45.1 83.7



#19

1,1-Dichloroethane

Concen: 350.761 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU048981.D

Acq: 09 Jun 2022 17:18

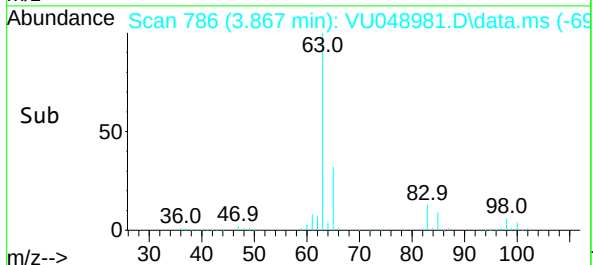
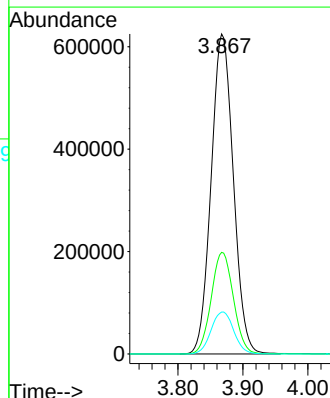
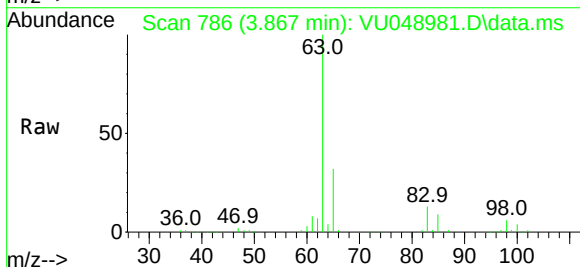
Tgt Ion: 63 Resp: 1481554

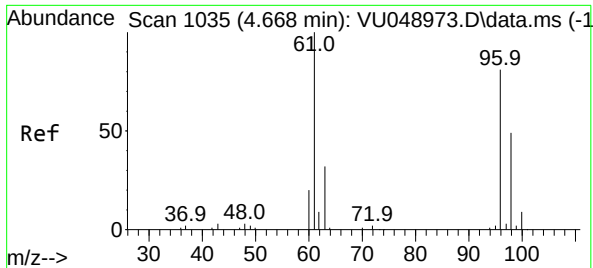
Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.1 9.8 18.2

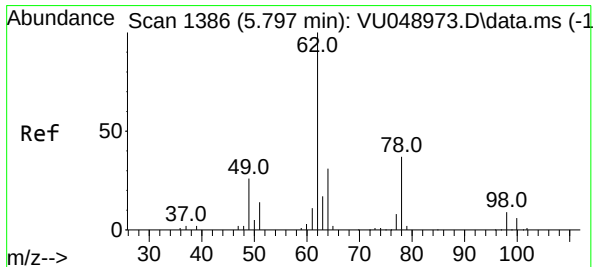
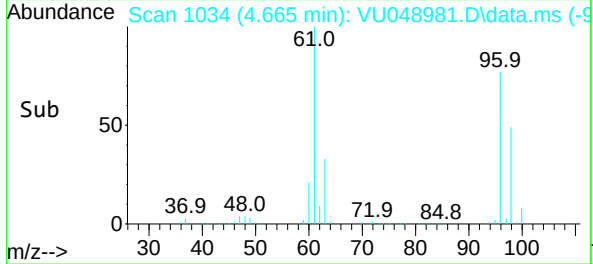
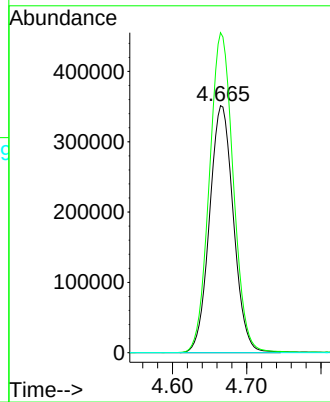
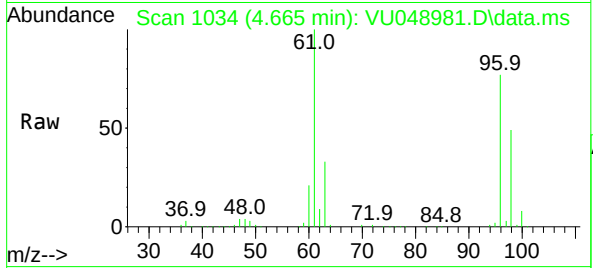




#20
cis-1,2-Dichloroethene
Concen: 302.150 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

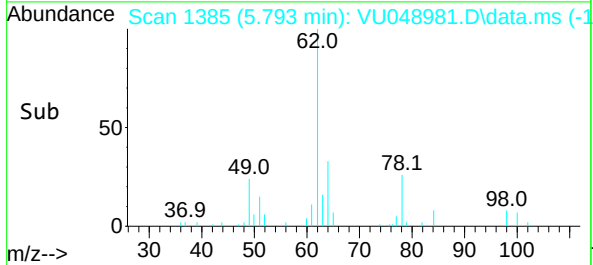
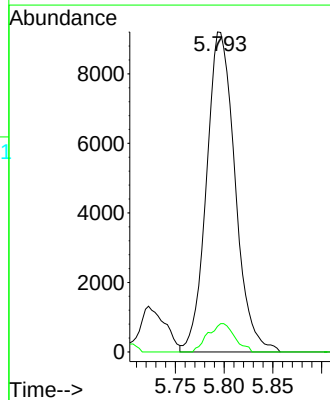
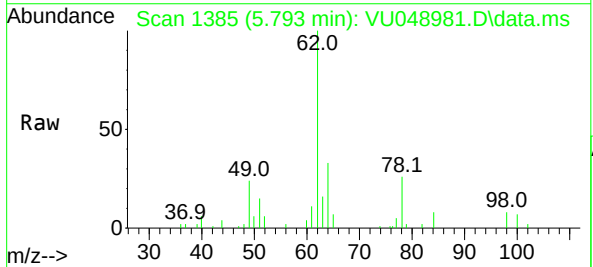
Instrument :
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ClientSampleId :
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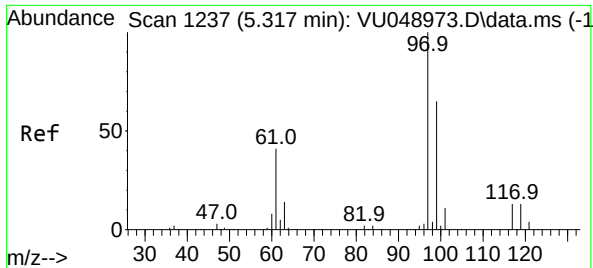
Tgt Ion: 96 Resp: 786140
Ion Ratio Lower Upper
96 100
61 129.5 88.3 164.1
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 4.444 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

Tgt Ion: 62 Resp: 18793
Ion Ratio Lower Upper
62 100
98 8.0 6.0 9.0





#30

1,1,1-Trichloroethane

Concen: 97.659 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048981.D

Acq: 09 Jun 2022 17:18

Instrument :

MSVOA_U

ClientSampleId :

EXYX6

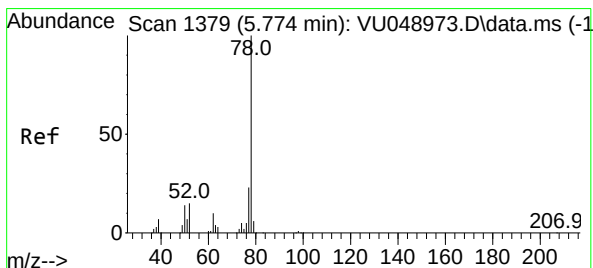
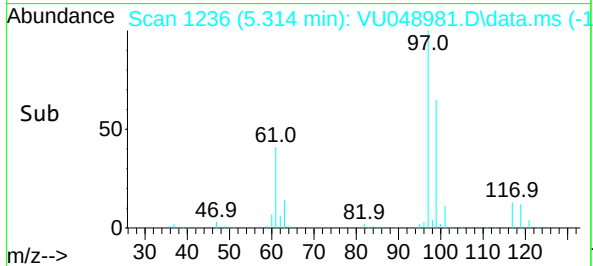
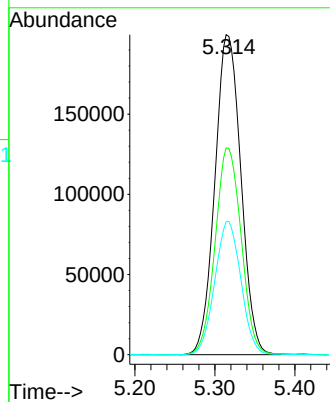
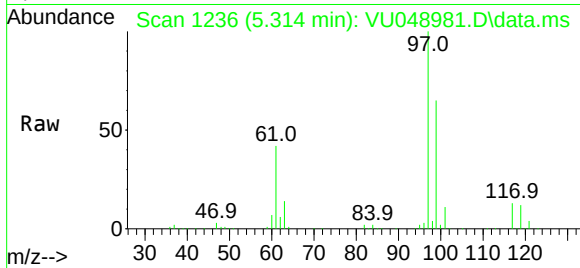
Tgt Ion: 97 Resp: 451552

Ion Ratio Lower Upper

97 100

99 64.7 50.3 75.5

61 41.5 32.6 48.8



#33

Benzene

Concen: 1.208 ug/L

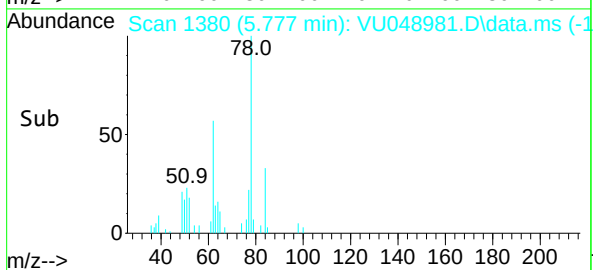
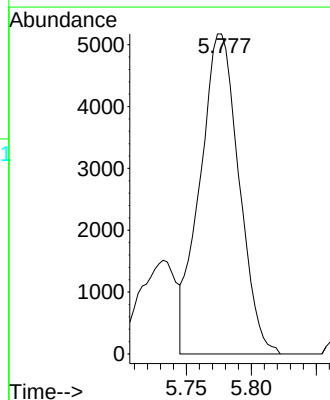
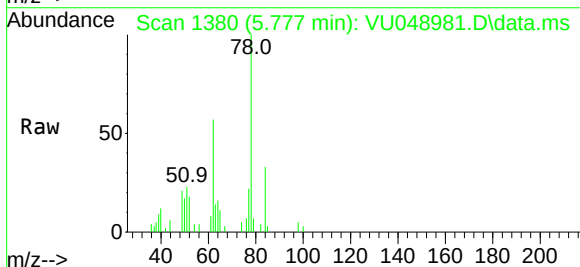
RT: 5.777 min Scan# 1380

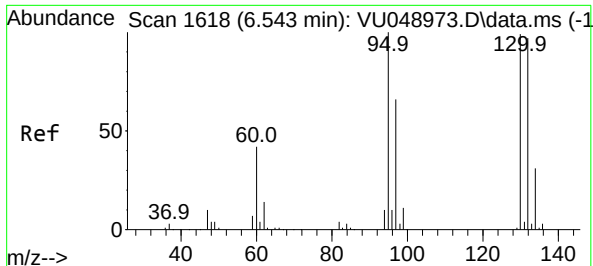
Delta R.T. 0.003 min

Lab File: VU048981.D

Acq: 09 Jun 2022 17:18

Tgt Ion: 78 Resp: 10780

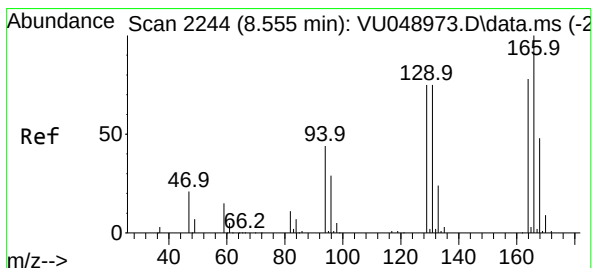
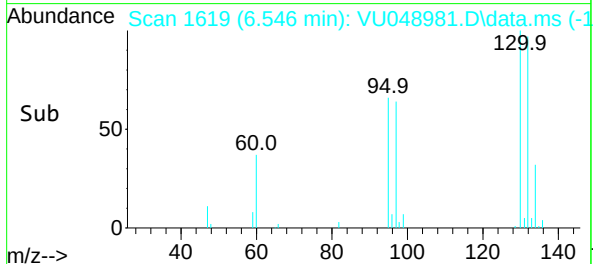
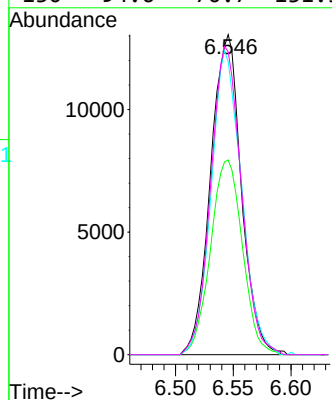
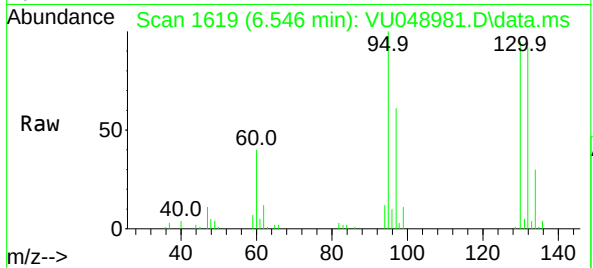




#34
Trichloroethene
Concen: 9.607 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

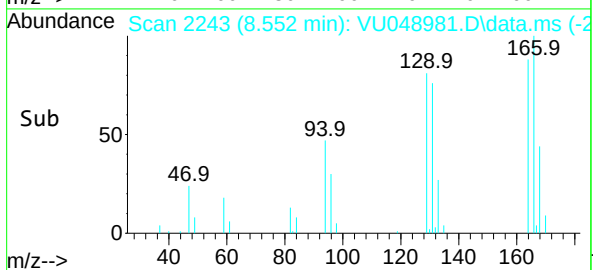
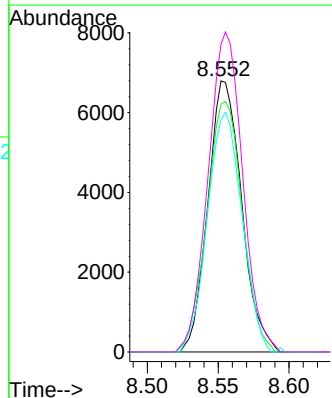
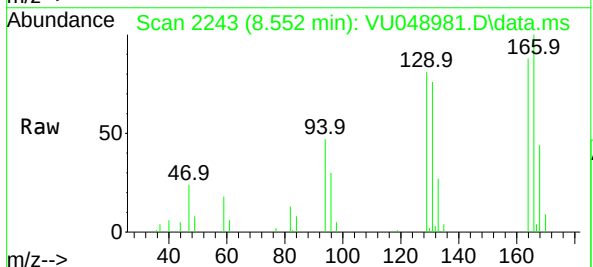
Instrument :
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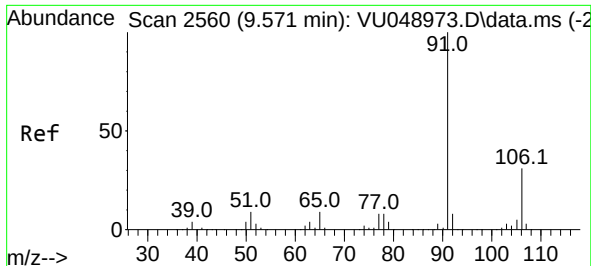
Tgt Ion: 95 Resp: 24250
Ion Ratio Lower Upper
95 100
97 60.8 45.2 84.0
132 91.6 67.3 124.9
130 94.6 70.7 131.3



#46
Tetrachloroethene
Concen: 5.478 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

Tgt Ion: 164 Resp: 11283
Ion Ratio Lower Upper
164 100
129 91.5 64.3 119.3
131 85.8 64.5 119.7
166 113.6 87.5 162.5

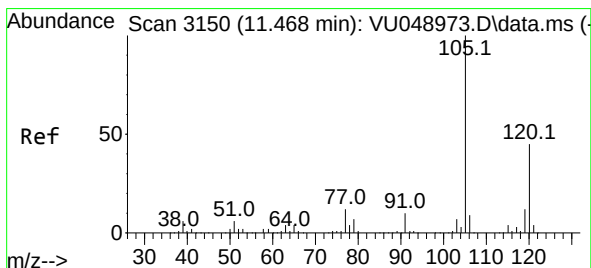
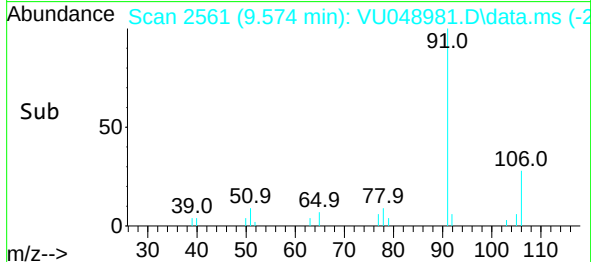
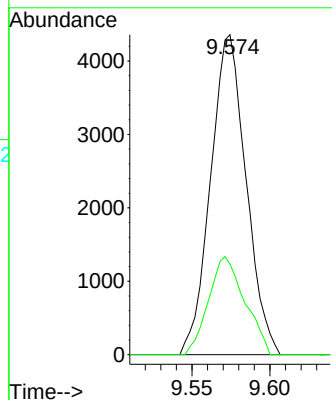
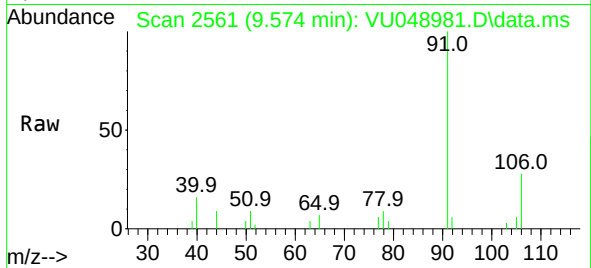




#52
Ethylbenzene
Concen: 0.622 ug/L
RT: 9.574 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

Instrument :
MSVOA_U
ClientSampleId :
EXYX6

Tgt Ion: 91 Resp: 6908
Ion Ratio Lower Upper
91 100
106 28.4 21.8 40.6



#63
1,2,4-Trimethylbenzene
Concen: 1.057 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048981.D
Acq: 09 Jun 2022 17:18

Tgt Ion: 105 Resp: 8539
Ion Ratio Lower Upper
105 100
120 46.3 35.4 53.2

