

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049033.D
 Acq On : 11 Jun 2022 05:59
 Operator : SY/MD
 Sample : N3249-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX3

Quant Time: Jun 11 07:57:39 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)

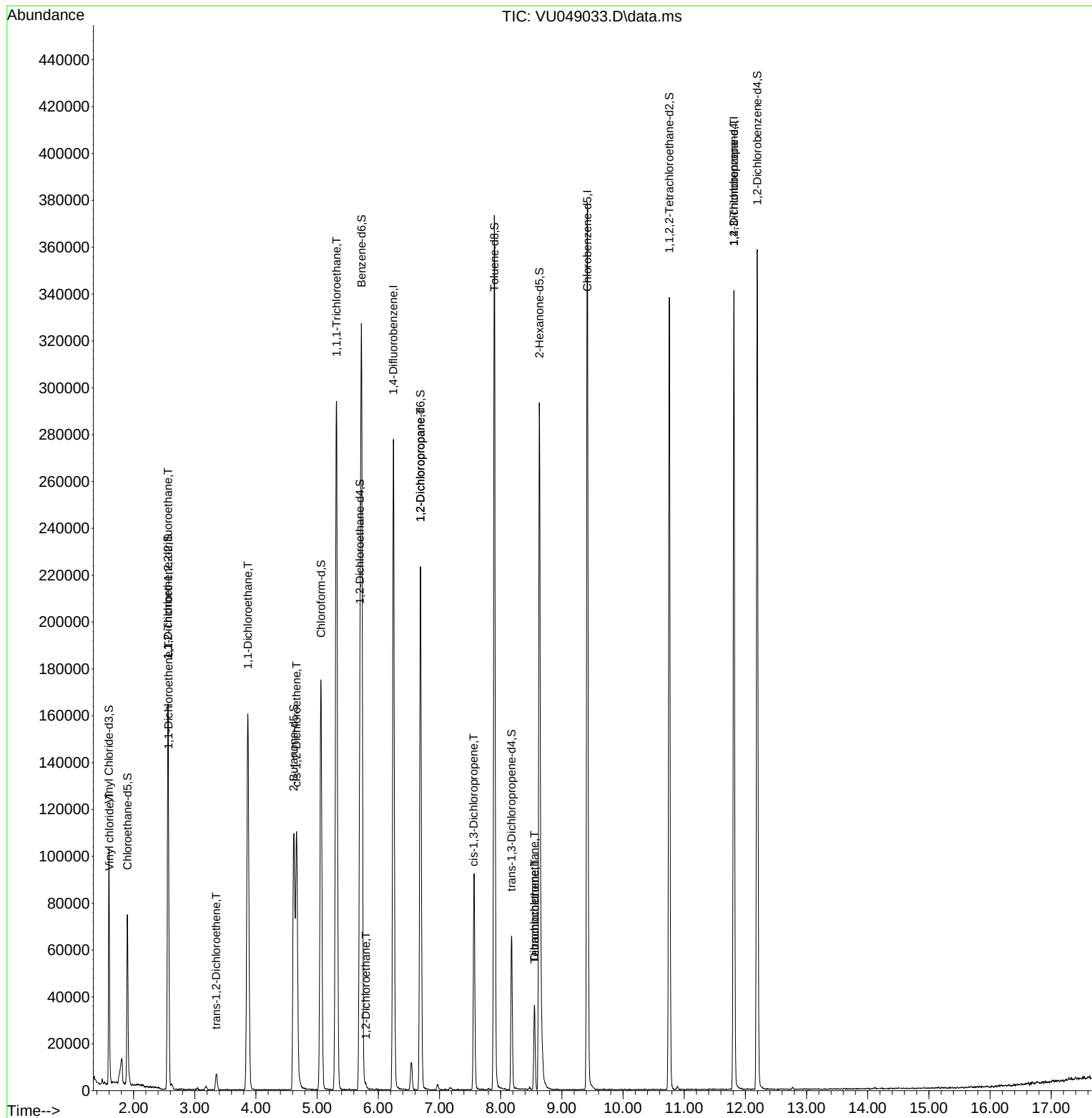
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224281	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	215825	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	91506	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69317	50.169	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery	= 100.340%		
7) Chloroethane-d5	1.900	69	54024	53.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery	= 106.500%		
11) 1,1-Dichloroethene-d2	2.562	63	100087	38.389	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery	= 76.780%		
21) 2-Butanone-d5	4.617	46	157567	104.014	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery	= 104.010%		
24) Chloroform-d	5.063	84	165591	56.181	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery	= 112.360%		
26) 1,2-Dichloroethane-d4	5.700	65	113992	59.695	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery	= 119.400%		
32) Benzene-d6	5.726	84	300510	56.152	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery	= 112.300%		
36) 1,2-Dichloropropane-d6	6.690	67	107385	59.688	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery	= 119.380%		
41) Toluene-d8	7.896	98	246651	52.259	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery	= 104.520%		
43) trans-1,3-Dichloroprop...	8.179	79	36675	43.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery	= 86.660%		
47) 2-Hexanone-d5	8.632	63	88944	94.459	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery	= 94.460%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	166307	55.345	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery	= 110.700%		
66) 1,2-Dichlorobenzene-d4	12.195	152	99766	62.661	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery	= 125.320%#		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	983	0.497	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	999	0.632	ug/L #	19
12) 1,1-Dichloroethene	2.572	96	3123	2.258	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	2900	1.907	ug/L	84
19) 1,1-Dichloroethane	3.867	63	187575	57.255	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	52547	28.402	ug/L	96
27) 1,2-Dichloroethane	5.797	62	1325	0.477	ug/L #	76
30) 1,1,1-Trichloroethane	5.317	97	217501	72.263	ug/L	98
37) 1,2-Dichloropropane	6.690	63	12054	6.113	ug/L #	88
39) cis-1,3-Dichloropropene	7.559	75	2350	0.810	ug/L #	56
46) Tetrachloroethene	8.555	164	8522	6.237	ug/L	92
49) Dibromochloromethane	8.552	129	7722	3.630	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	10045	4.328	ug/L #	68

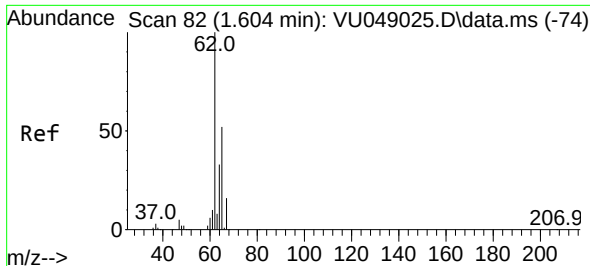
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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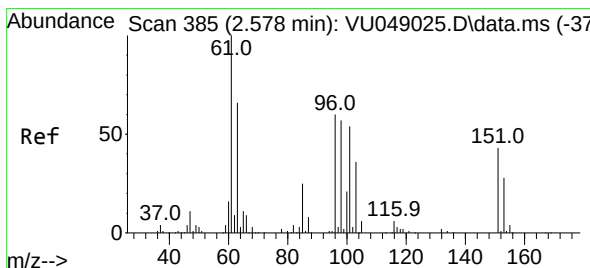
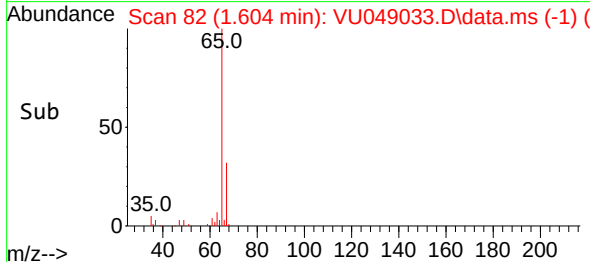
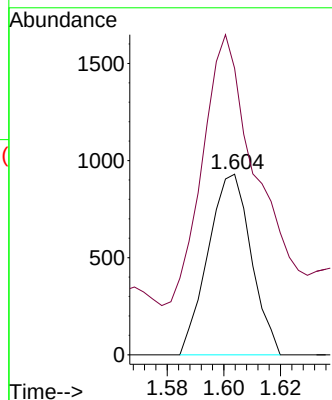
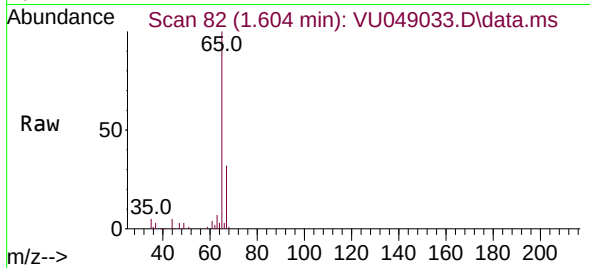




#5
 Vinyl chloride
 Concen: 0.497 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049033.D
 Acq: 11 Jun 2022 05:59

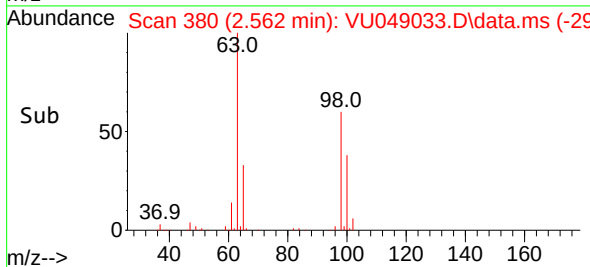
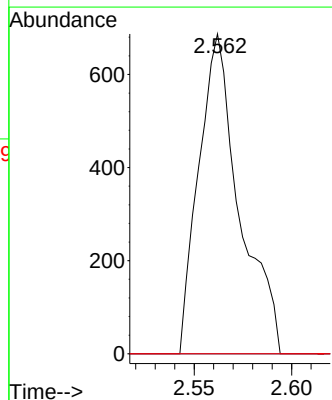
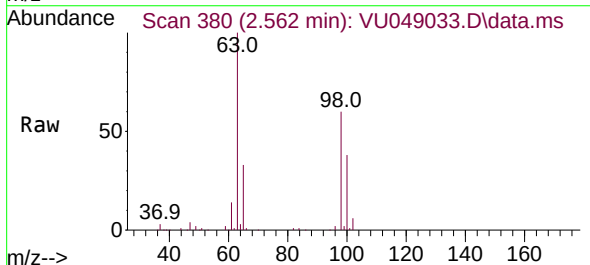
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX3

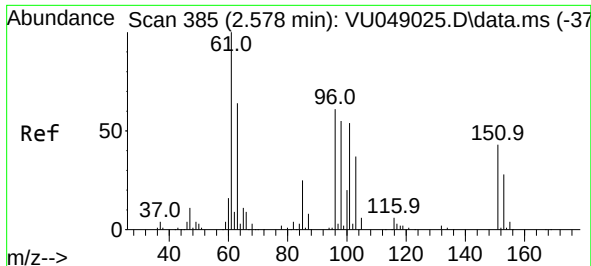
Tgt Ion: 62 Resp: 983
 Ion Ratio Lower Upper
 62 100
 64 158.6 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.632 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU049033.D
 Acq: 11 Jun 2022 05:59

Tgt Ion: 101 Resp: 999
 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: 2.258 ug/L

RT: 2.572 min Scan# 3123

Delta R.T. -0.006 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

Instrument :

MSVOA_U

ClientSampleId :

EXYX3

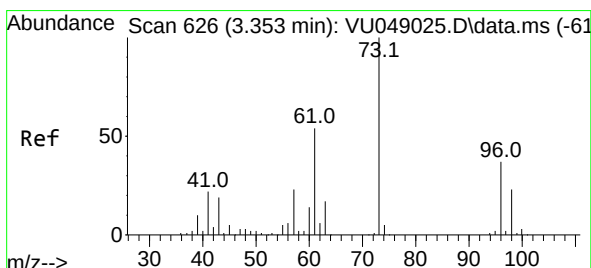
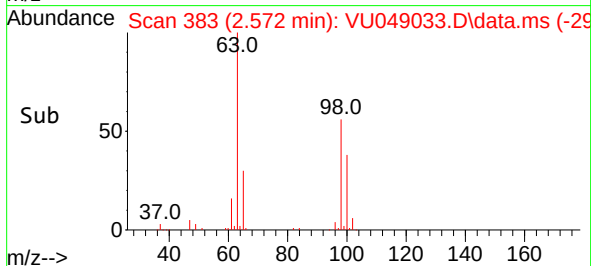
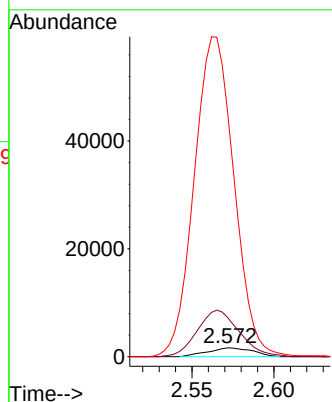
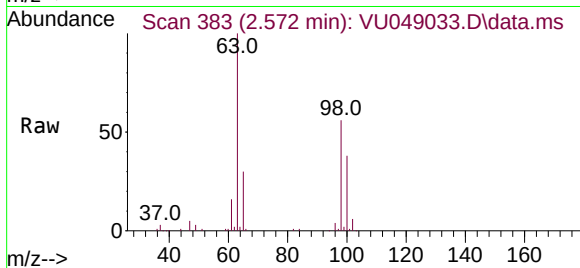
Tgt Ion: 96 Resp: 3123

Ion Ratio Lower Upper

96 100

61 442.5 123.5 229.3#

63 2777.7 86.0 159.8#



#17

trans-1,2-Dichloroethene

Concen: 1.907 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

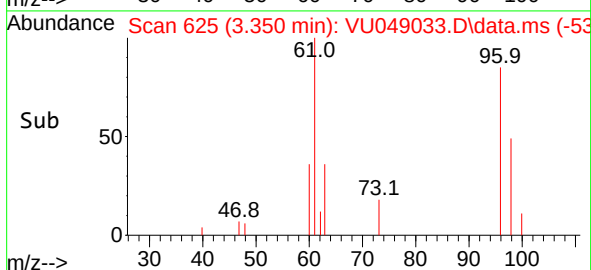
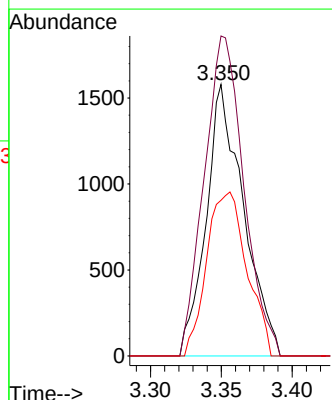
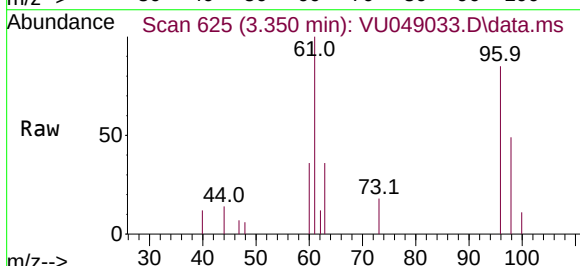
Tgt Ion: 96 Resp: 2900

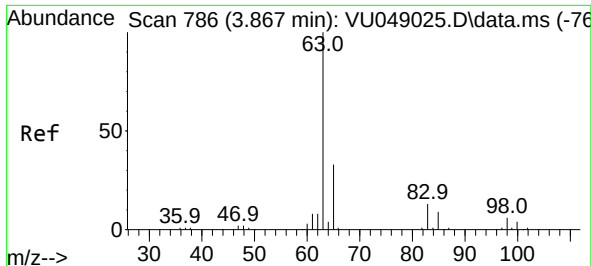
Ion Ratio Lower Upper

96 100

61 117.9 99.3 184.3

98 57.3 44.7 83.1





#19

1,1-Dichloroethane

Concen: 57.255 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

Instrument :

MSVOA_U

ClientSampleId :

EXYX3

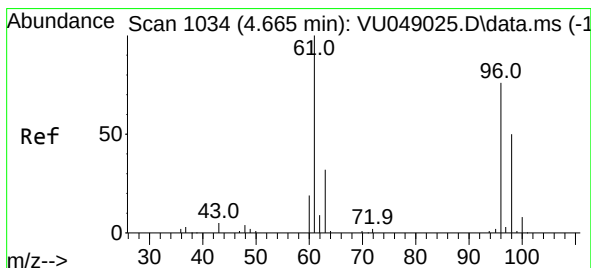
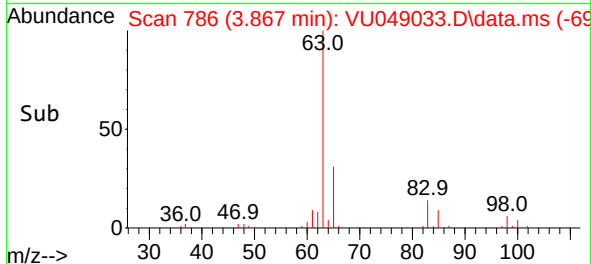
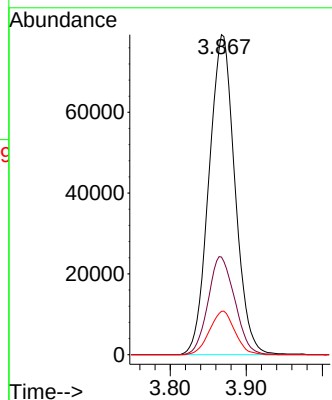
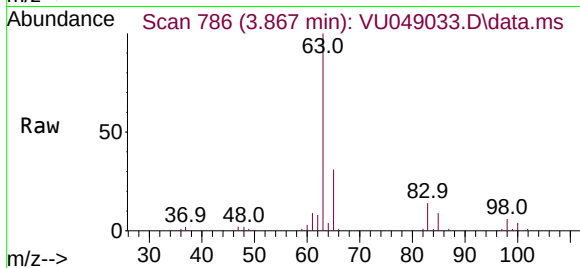
Tgt Ion: 63 Resp: 187575

Ion Ratio Lower Upper

63 100

65 30.5 22.3 41.5

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 28.402 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

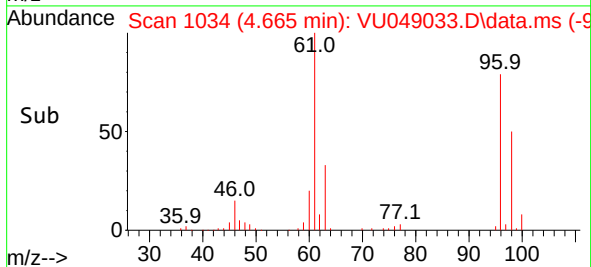
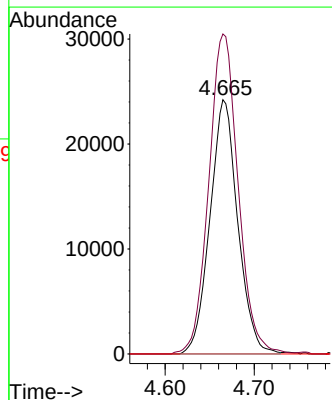
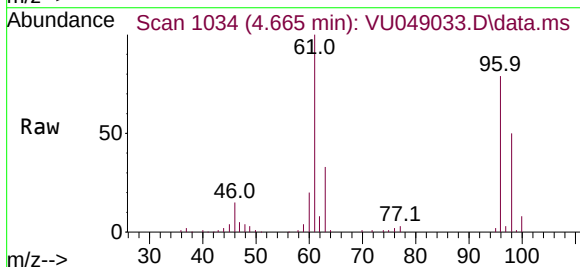
Tgt Ion: 96 Resp: 52547

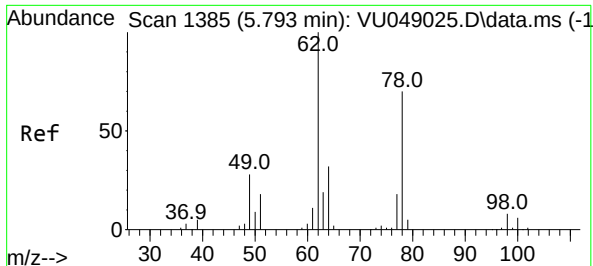
Ion Ratio Lower Upper

96 100

61 125.9 91.6 170.2

68 0.0 0.0 0.0

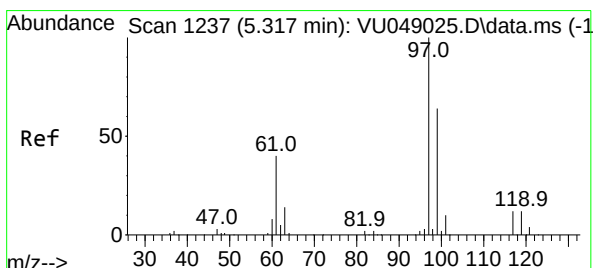
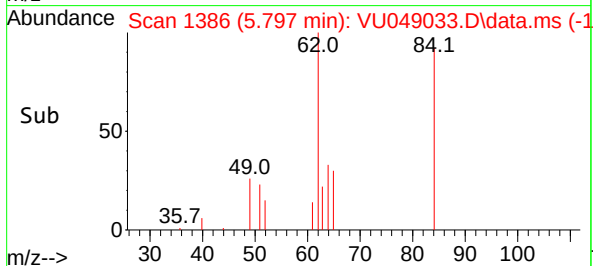
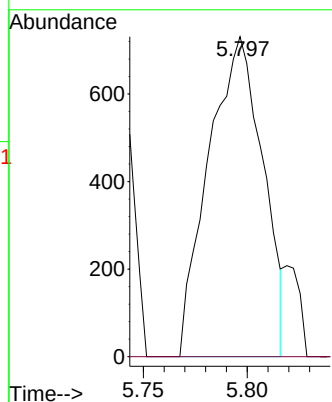
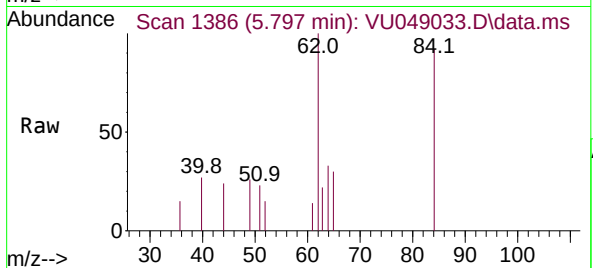




#27
 1,2-Dichloroethane
 Concen: 0.477 ug/L
 RT: 5.797 min Scan# 1385
 Delta R.T. 0.003 min
 Lab File: VU049033.D
 Acq: 11 Jun 2022 05:59

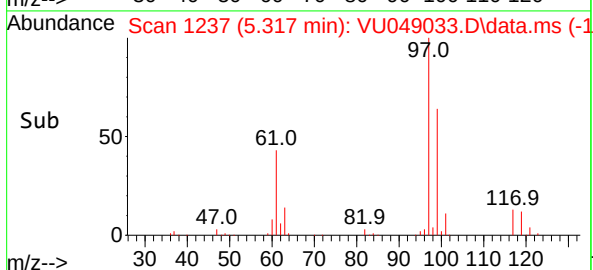
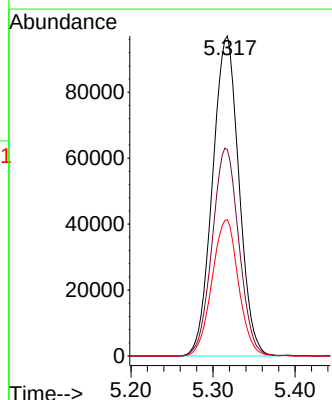
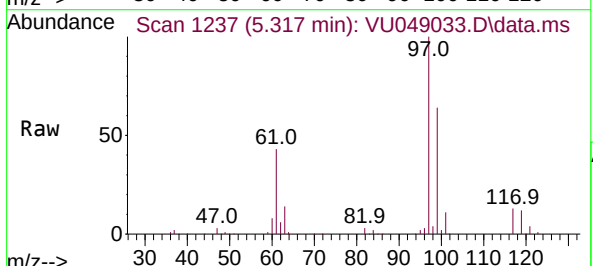
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 EXYX3

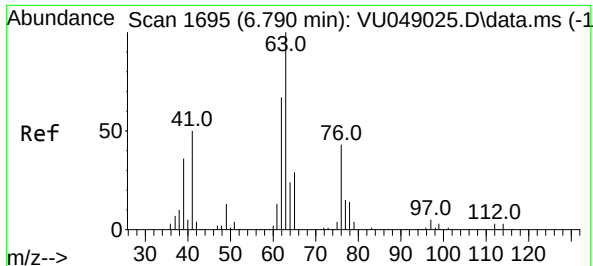
Tgt Ion: 62 Resp: 1325
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



#30
 1,1,1-Trichloroethane
 Concen: 72.263 ug/L
 RT: 5.317 min Scan# 1237
 Delta R.T. 0.000 min
 Lab File: VU049033.D
 Acq: 11 Jun 2022 05:59

Tgt Ion: 97 Resp: 217501
 Ion Ratio Lower Upper
 97 100
 99 65.7 50.9 76.3
 61 42.7 34.2 51.2





#37

1,2-Dichloropropane

Concen: 6.113 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

Instrument :

MSVOA_U

ClientSampleId :

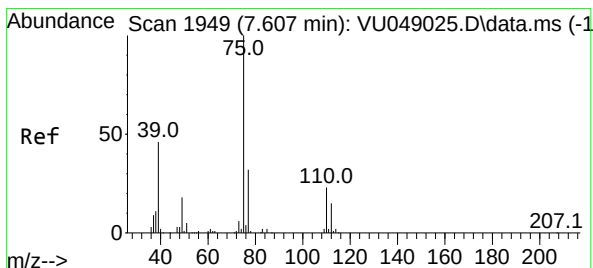
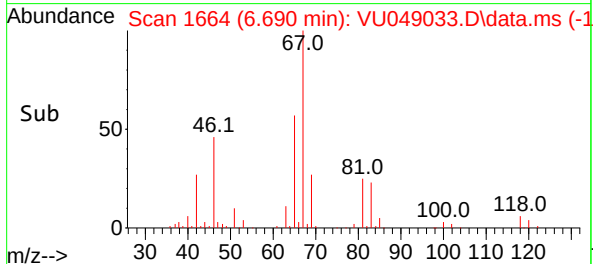
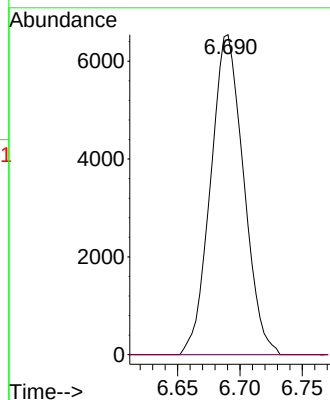
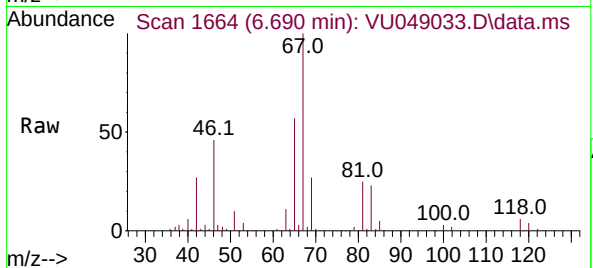
EXYX3

Tgt Ion: 63 Resp: 12054

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.810 ug/L

RT: 7.559 min Scan# 1934

Delta R.T. -0.048 min

Lab File: VU049033.D

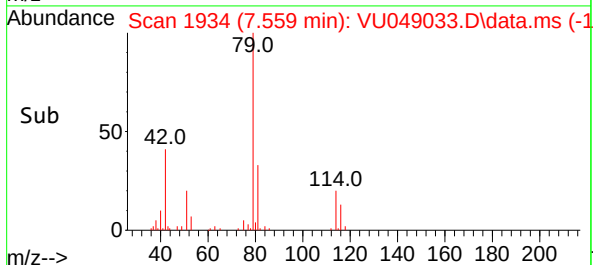
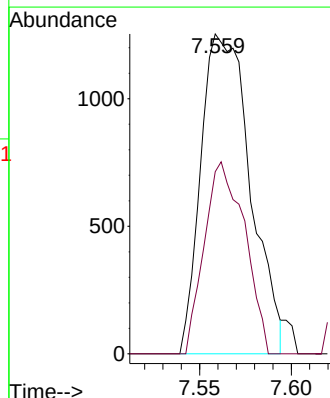
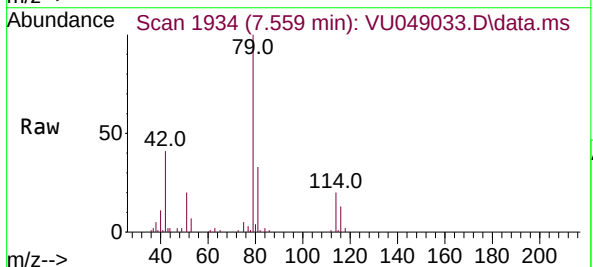
Acq: 11 Jun 2022 05:59

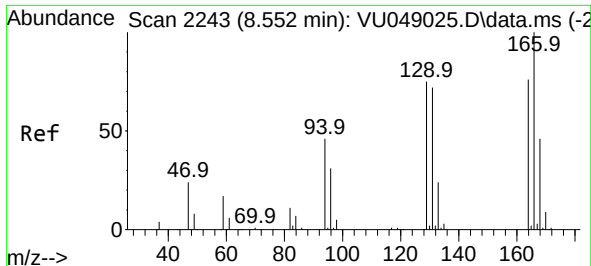
Tgt Ion: 75 Resp: 2350

Ion Ratio Lower Upper

75 100

77 56.9 22.6 42.0#





#46

Tetrachloroethene

Concen: 6.237 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU049033.D

Acq: 11 Jun 2022 05:59

Instrument :

MSVOA_U

ClientSampleId :

EXYX3

Tgt Ion:164 Resp: 8522

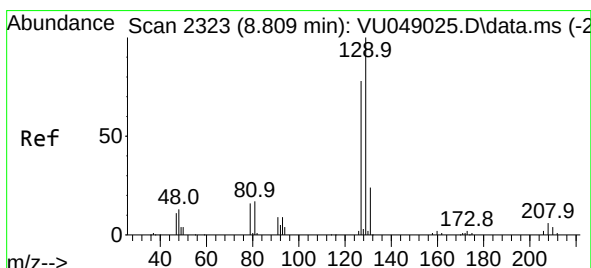
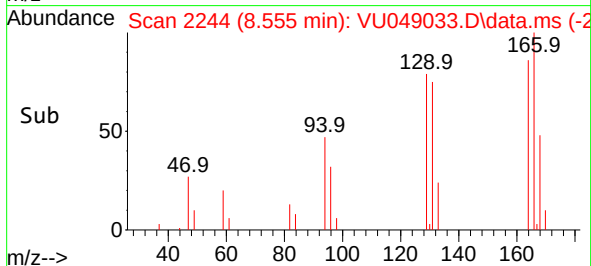
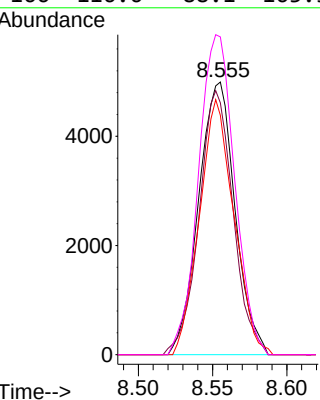
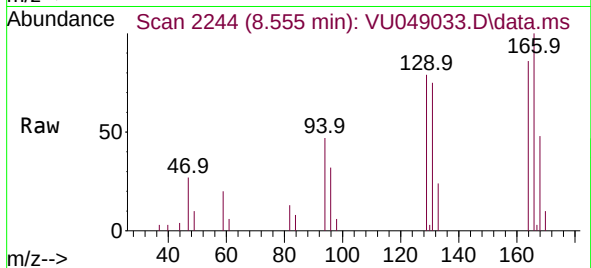
Ion Ratio Lower Upper

164 100

129 92.4 70.9 131.7

131 87.8 66.2 123.0

166 116.6 88.1 163.5



#49

Dibromochloromethane

Concen: 3.630 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU049033.D

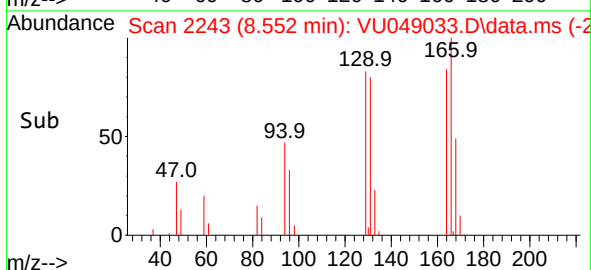
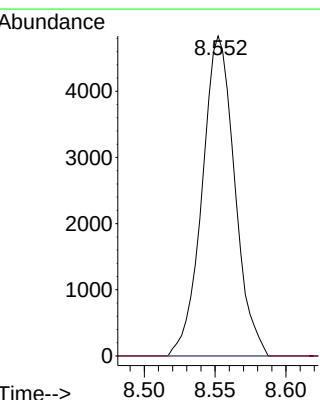
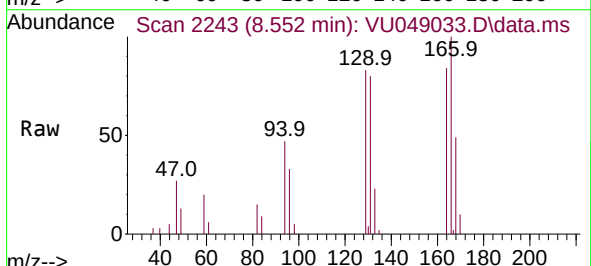
Acq: 11 Jun 2022 05:59

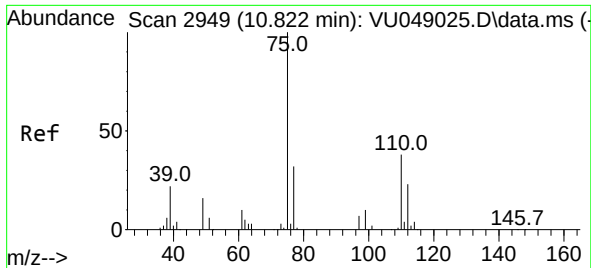
Tgt Ion:129 Resp: 7722

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#





#60
 1,2,3-Trichloropropane
 Concen: 4.328 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU049033.D
 Acq: 11 Jun 2022 05:59

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX3

Tgt Ion: 75 Resp: 10045
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.6 40.0
 110 1.8 30.2 45.4#

