

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050899.D
 Acq On : 22 Sep 2022 15:40
 Operator : JC/MD
 Sample : N4650-05DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01DL

Quant Time: Sep 23 01:11:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

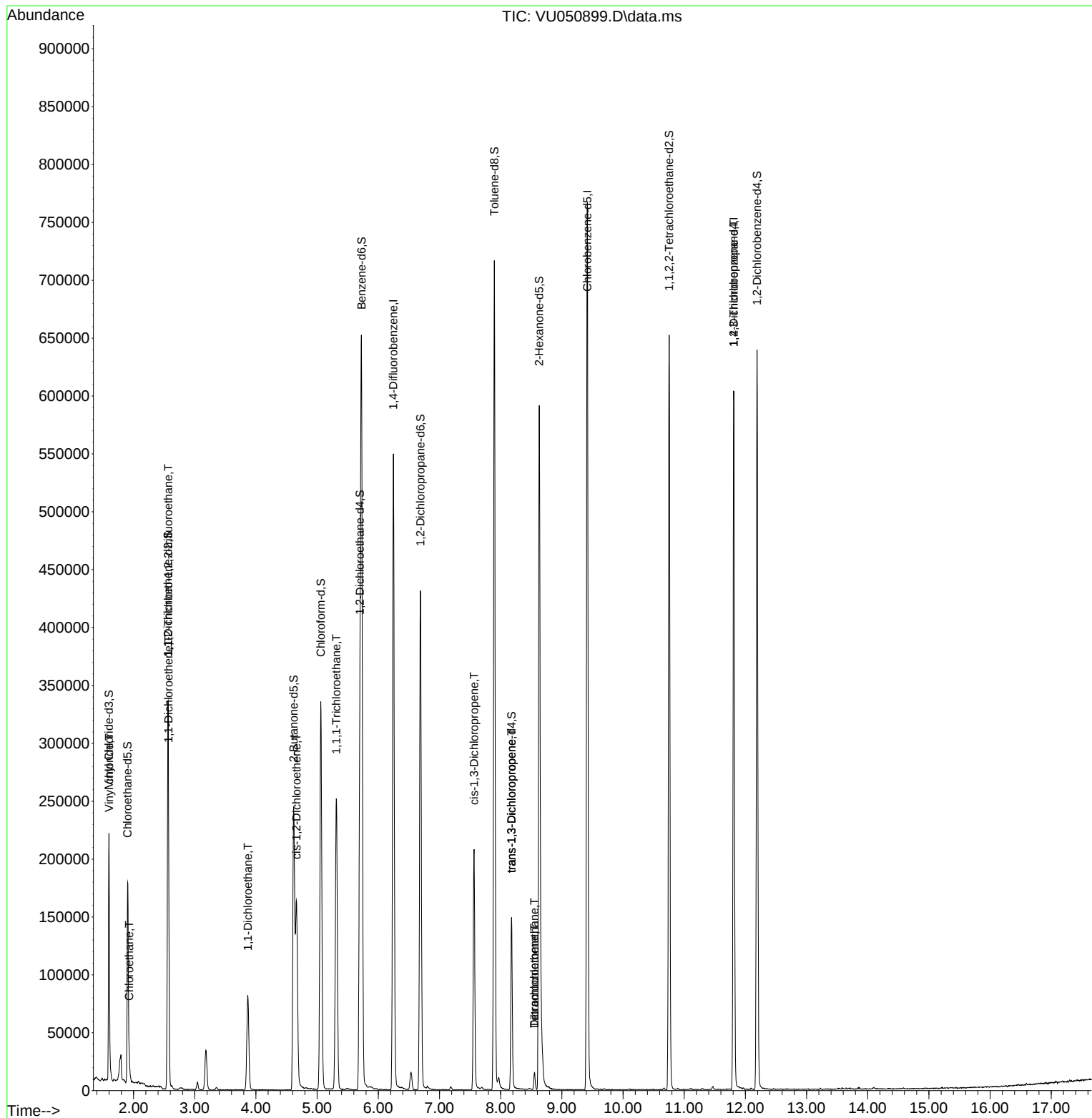
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	430937	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	421300	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	157094	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	149881	33.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.140%		
7) Chloroethane-d5	1.903	69	133226	41.898	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.800%		
11) 1,1-Dichloroethene-d2	2.562	63	194394	27.981	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.960%#		
21) 2-Butanone-d5	4.617	46	322499	111.883	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.880%		
24) Chloroform-d	5.060	84	311246	44.483	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.960%		
26) 1,2-Dichloroethane-d4	5.700	65	202771	47.025	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.040%		
32) Benzene-d6	5.726	84	594775	42.861	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.720%		
36) 1,2-Dichloropropane-d6	6.687	67	212294	45.323	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.640%		
41) Toluene-d8	7.896	98	474465	39.115	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.240%#		
43) trans-1,3-Dichloroprop...	8.179	79	84642	41.538	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.080%		
47) 2-Hexanone-d5	8.629	63	187143	96.951	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.950%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	333744	46.734	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.460%		
66) 1,2-Dichlorobenzene-d4	12.192	152	167728	50.994	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.980%		
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	11787	2.321	ug/L #	72
8) Chloroethane	1.925	64	10491	3.731	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1737	0.493	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	3187	0.962	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	95901	13.977	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	76415	20.296	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	183375	32.717	ug/L	98
39) cis-1,3-Dichloropropene	7.565	75	5095	0.897	ug/L #	68
44) trans-1,3-Dichloropropene	8.179	75	3487	0.646	ug/L #	73
46) Tetrachloroethene	8.552	164	3276	1.266	ug/L	90
49) Dibromochloromethane	8.552	129	3355	0.875	ug/L #	10
60) 1,2,3-Trichloropropane	11.809	75	20506	4.641	ug/L #	68

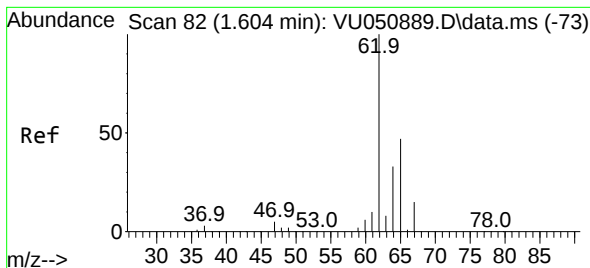
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.321 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU050889.D

Acq: 22 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :

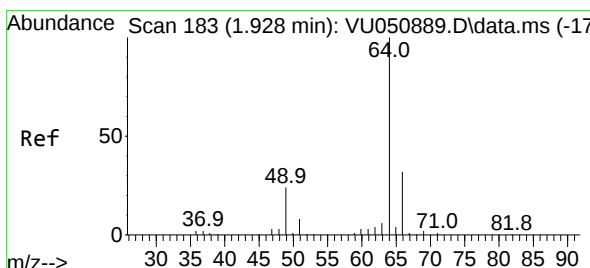
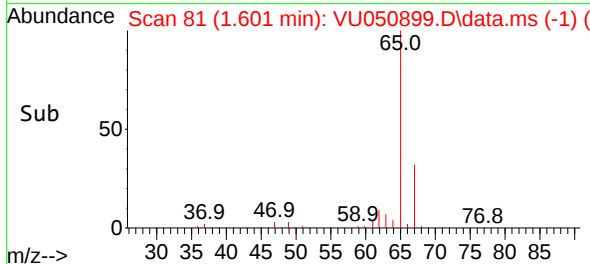
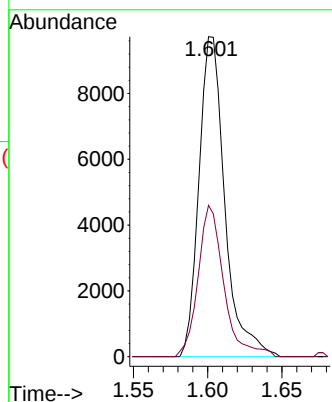
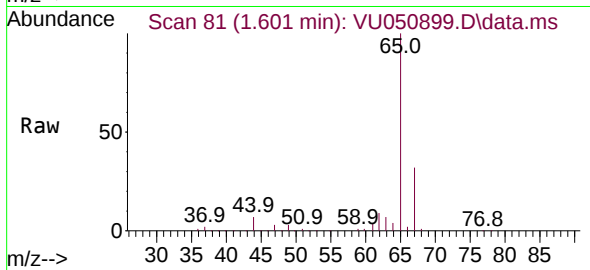
EXZ01DL

Tgt Ion: 62 Resp: 11787

Ion Ratio Lower Upper

62 100

64 47.3 22.2 41.2#



#8

Chloroethane

Concen: 3.731 ug/L

RT: 1.925 min Scan# 182

Delta R.T. -0.003 min

Lab File: VU050889.D

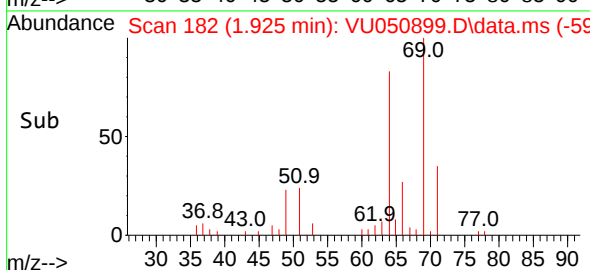
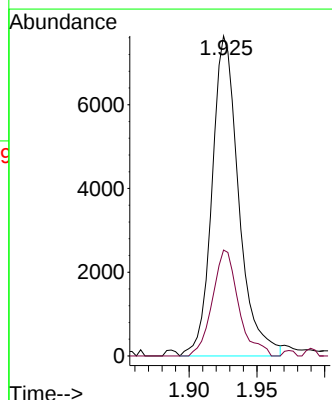
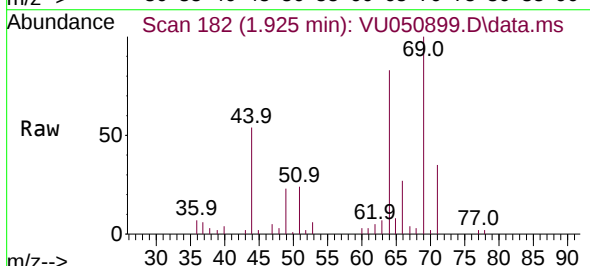
Acq: 22 Sep 2022 15:40

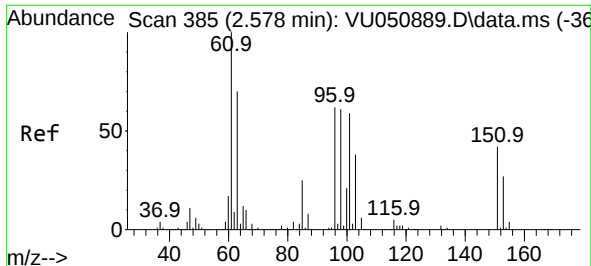
Tgt Ion: 64 Resp: 10491

Ion Ratio Lower Upper

64 100

66 33.1 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.493 ug/L

RT: 2.565 min Scan# 31

Delta R.T. -0.013 min

Lab File: VU050899.D

Acq: 22 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :

EXZ01DL

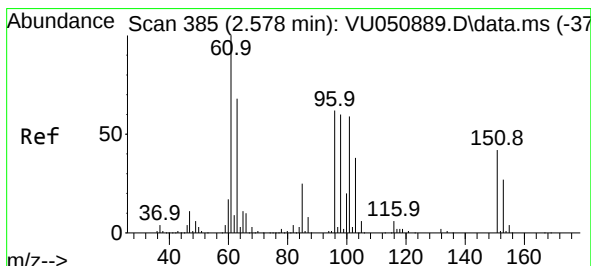
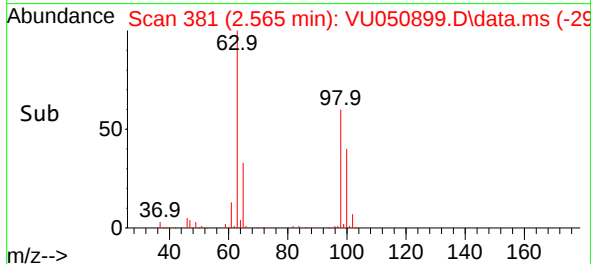
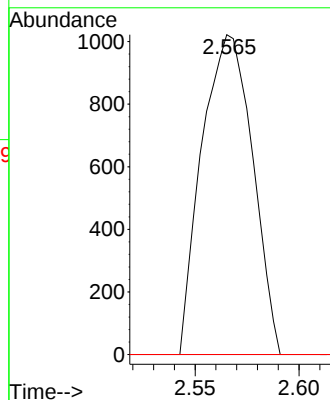
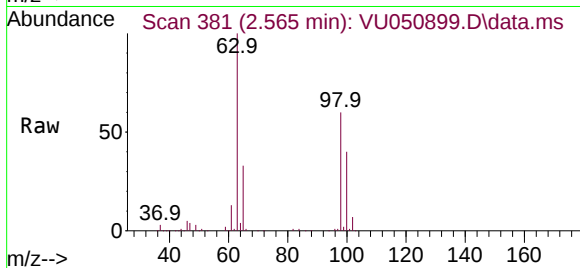
Tgt Ion:101 Resp: 1737

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 0.962 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU050899.D

Acq: 22 Sep 2022 15:40

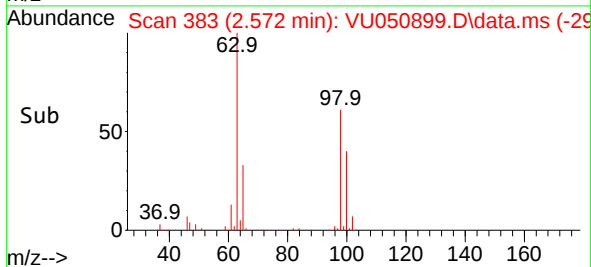
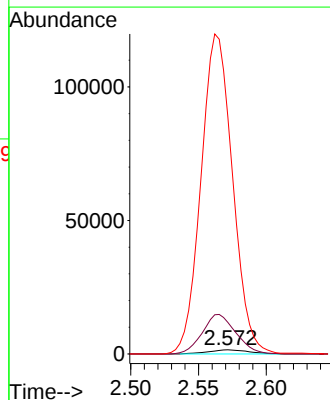
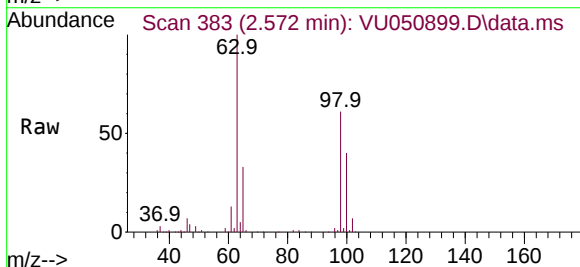
Tgt Ion: 96 Resp: 3187

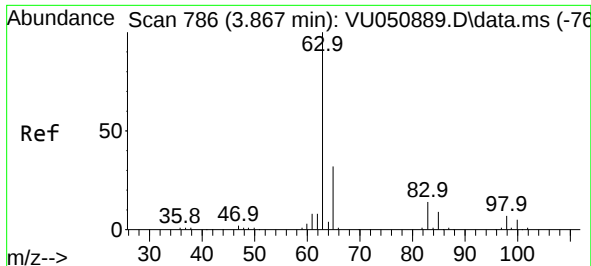
Ion Ratio Lower Upper

96 100

61 765.7 118.6 220.2#

63 5748.3 90.4 168.0#

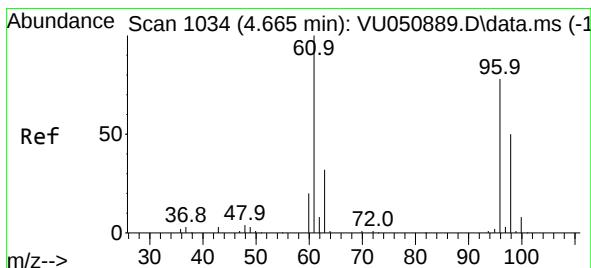
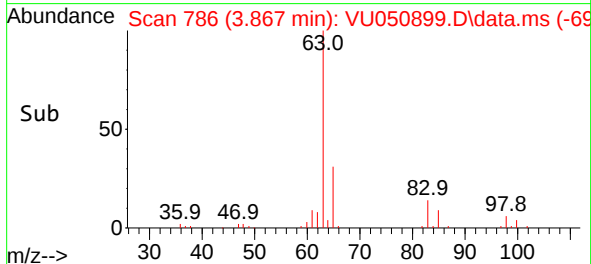
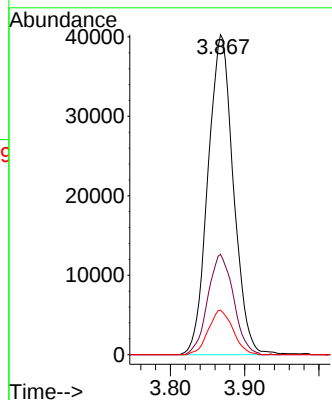
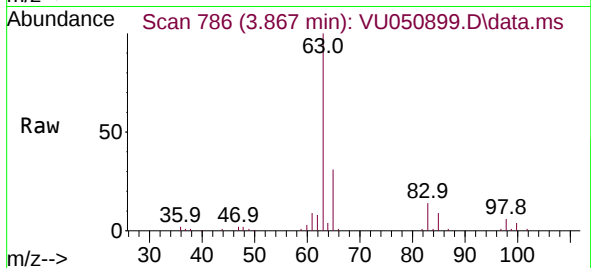




#19
1,1-Dichloroethane
Concen: 13.977 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050889.D
Acq: 22 Sep 2022 15:40

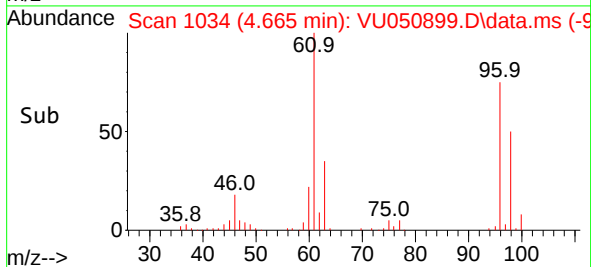
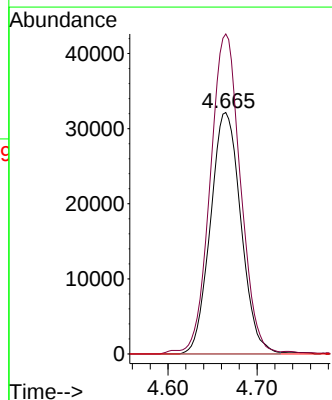
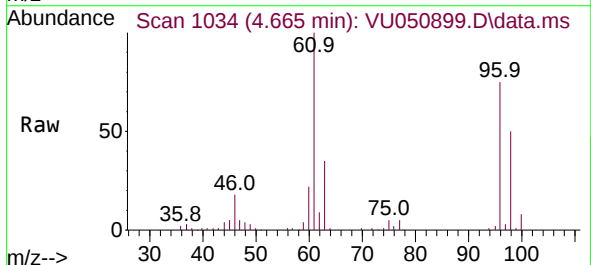
Instrument :
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ClientSampleId :
EXZ01DL

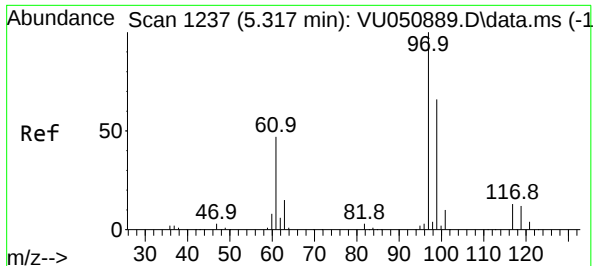
Tgt Ion: 63 Resp: 95901
Ion Ratio Lower Upper
63 100
65 31.3 21.5 39.9
83 13.9 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 20.296 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050899.D
Acq: 22 Sep 2022 15:40

Tgt Ion: 96 Resp: 76415
Ion Ratio Lower Upper
96 100
61 132.6 90.1 167.3
68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 32.717 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050899.D

Acq: 22 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :

EXZ01DL

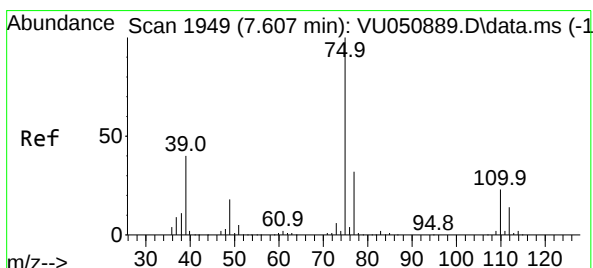
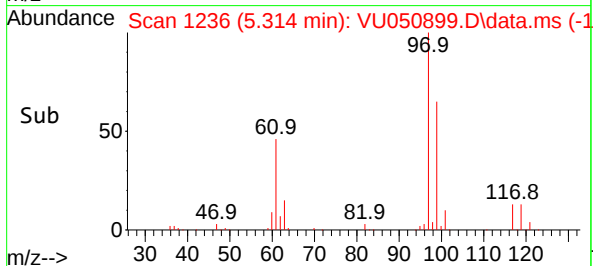
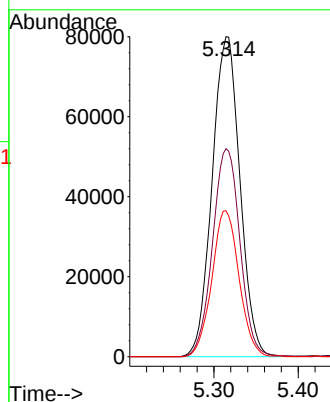
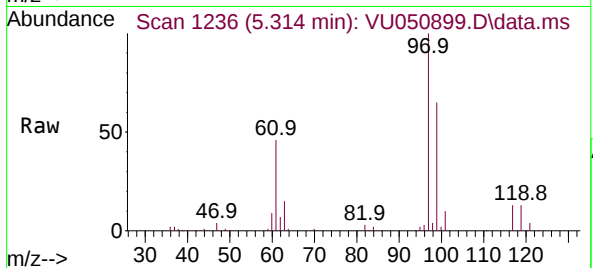
Tgt Ion: 97 Resp: 183375

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

61 44.6 37.1 55.7



#39

cis-1,3-Dichloropropene

Concen: 0.897 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU050899.D

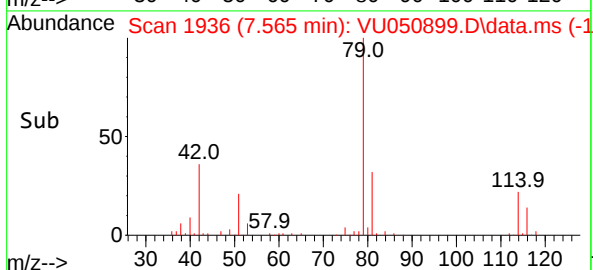
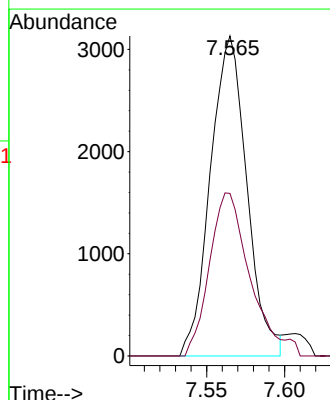
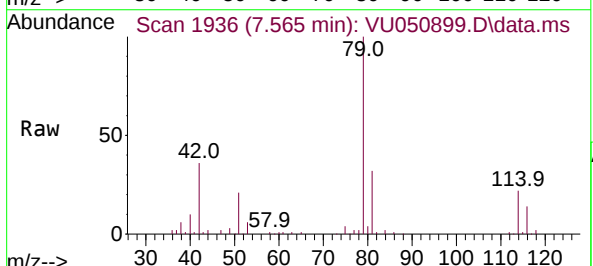
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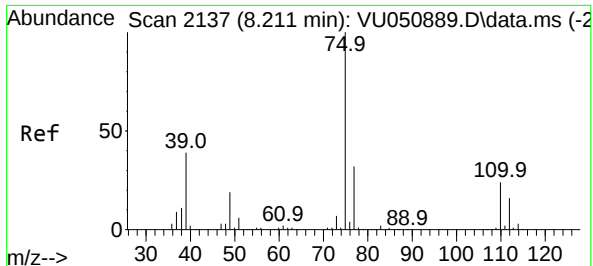
Tgt Ion: 75 Resp: 5095

Ion Ratio Lower Upper

75 100

77 50.8 22.8 42.4#

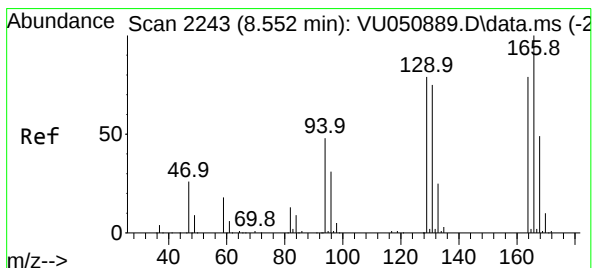
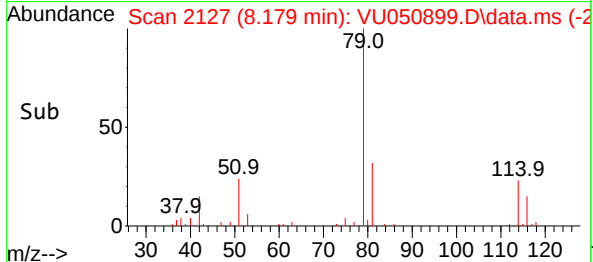
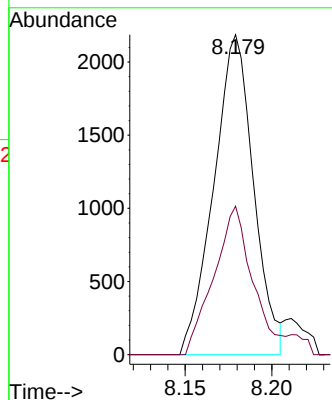
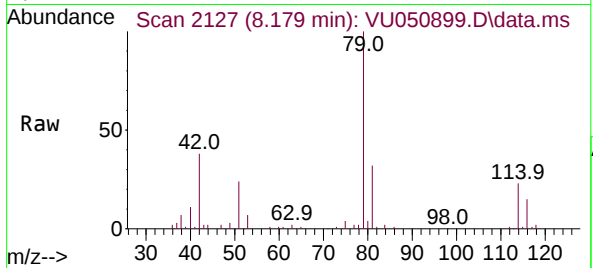




#44
trans-1,3-Dichloropropene
Concen: 0.646 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU050889.D
Acq: 22 Sep 2022 15:40

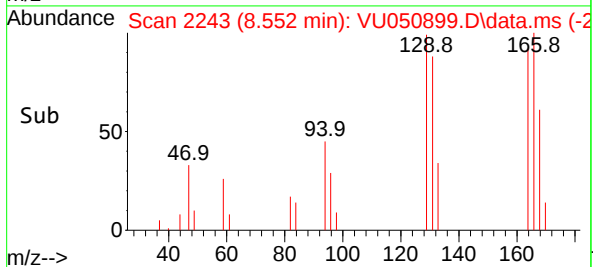
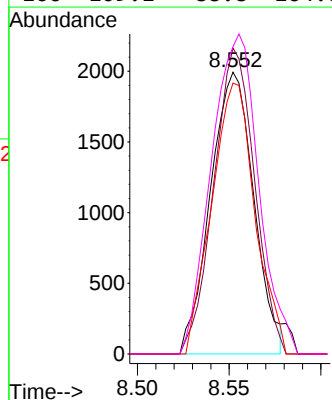
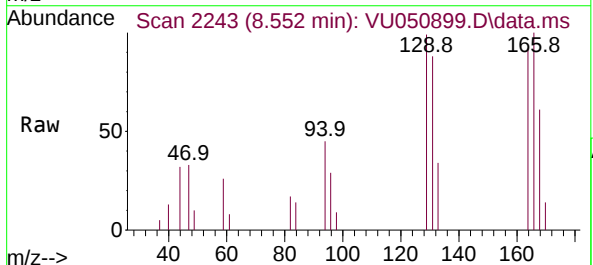
Instrument :
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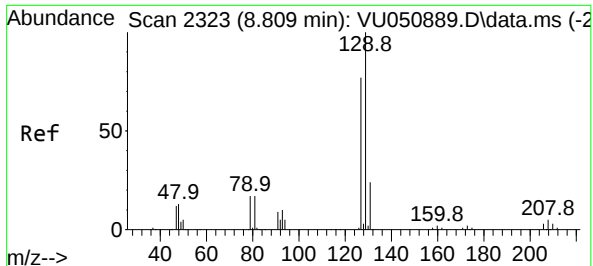
Tgt Ion: 75 Resp: 3487
Ion Ratio Lower Upper
75 100
77 46.4 21.9 40.7#



#46
Tetrachloroethene
Concen: 1.266 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050899.D
Acq: 22 Sep 2022 15:40

Tgt Ion:164 Resp: 3276
Ion Ratio Lower Upper
164 100
129 108.5 68.5 127.3
131 96.1 66.1 122.7
166 109.1 88.8 164.8





#49

Dibromochloromethane

Concen: 0.875 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU050889.D

Acq: 22 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :

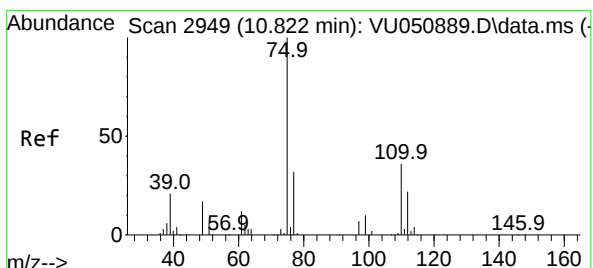
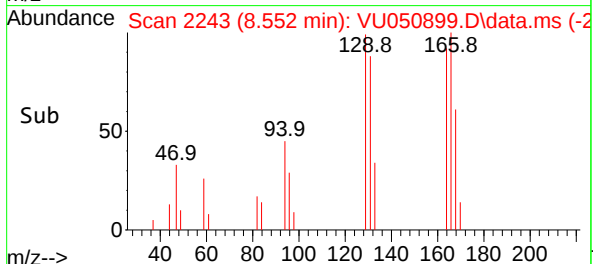
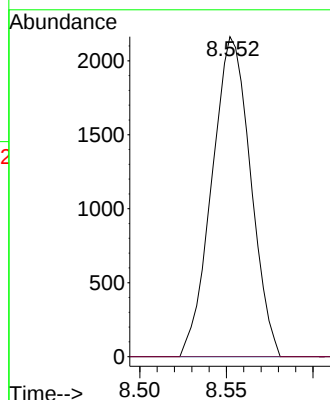
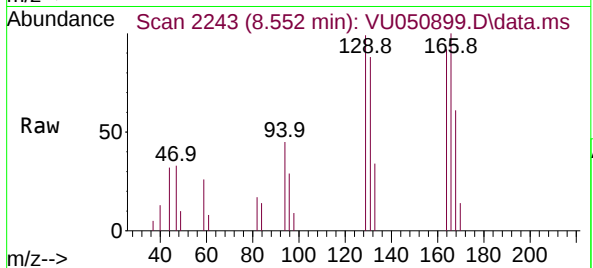
EXZ01DL

Tgt Ion:129 Resp: 3355

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#60

1,2,3-Trichloropropane

Concen: 4.641 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU050899.D

Acq: 22 Sep 2022 15:40

Tgt Ion: 75 Resp: 20506

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.4

110 1.9 28.6 43.0#

