

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050910.D
 Acq On : 22 Sep 2022 19:59
 Operator : JC/MD
 Sample : N4747-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A7

Quant Time: Sep 23 01:13:43 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)

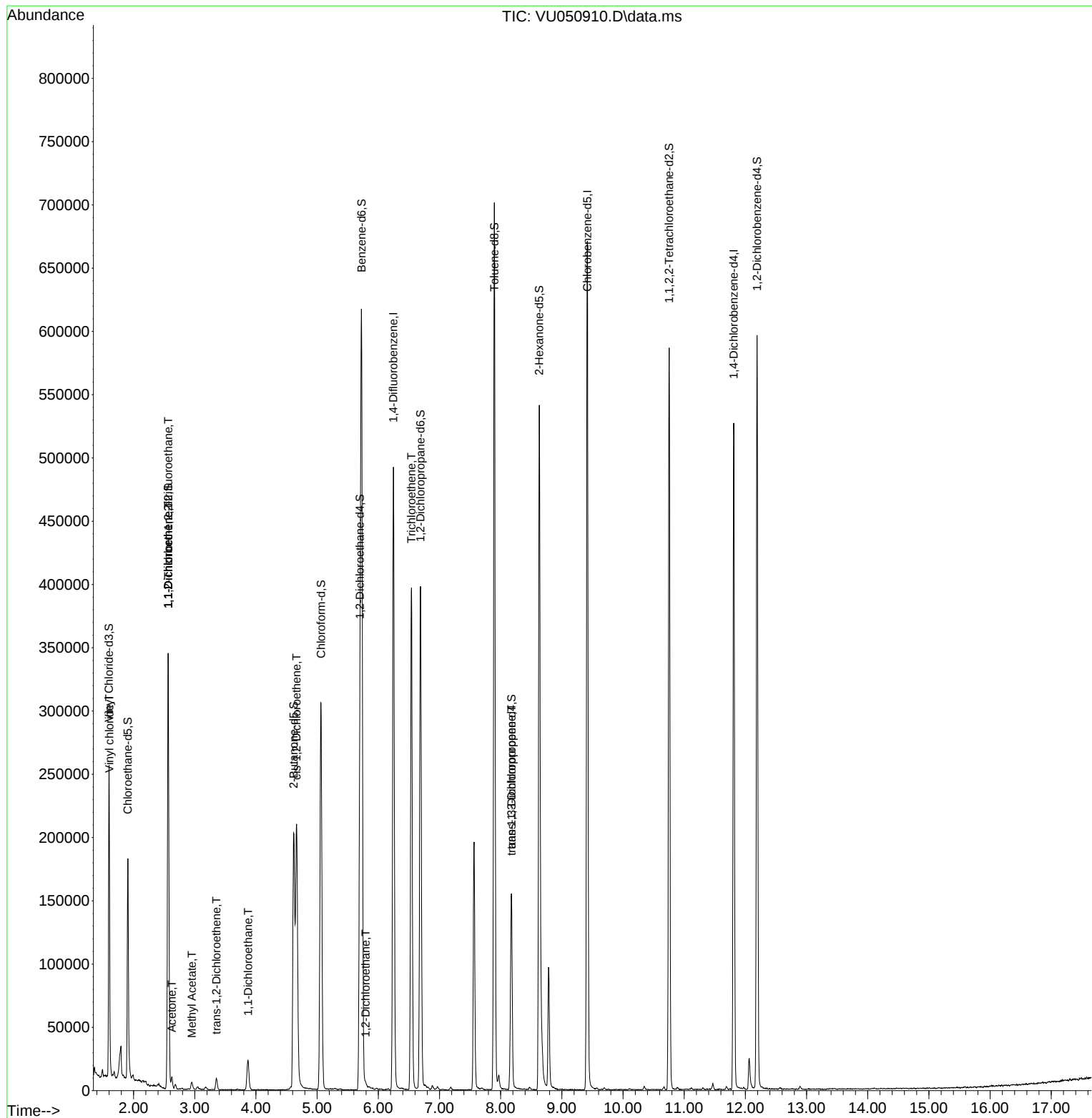
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	386986	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	370288	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	135560	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	161983	40.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.800%
7) Chloroethane-d5	1.906	69	133702	46.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.640%
11) 1,1-Dichloroethene-d2	2.565	63	201420	32.285	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.580%
21) 2-Butanone-d5	4.616	46	286986	110.870	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.870%
24) Chloroform-d	5.063	84	288003	45.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
26) 1,2-Dichloroethane-d4	5.700	65	185213	47.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.660%
32) Benzene-d6	5.726	84	569085	46.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
36) 1,2-Dichloropropane-d6	6.690	67	197971	48.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.180%
41) Toluene-d8	7.896	98	463146	43.442	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.880%
43) trans-1,3-Dichloroprop...	8.179	79	78347	43.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.500%
47) 2-Hexanone-d5	8.629	63	168217	99.152	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.150%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	298739	47.596	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	152694	53.798	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	19916	4.367	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2099	0.663	ug/L #	21
12) 1,1-Dichloroethene	2.565	96	2056	0.691	ug/L #	1
13) Acetone	2.626	43	10350	4.722	ug/L	98
15) Methyl Acetate	2.951	43	8150	1.970	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	3715	1.218	ug/L	94
19) 1,1-Dichloroethane	3.870	63	27203	4.415	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	104799	30.996	ug/L	99
27) 1,2-Dichloroethane	5.793	62	2664	0.571	ug/L #	75
34) Trichloroethene	6.542	95	138767	43.839	ug/L	98
44) trans-1,3-Dichloropropene	8.176	75	3403	0.717	ug/L #	67

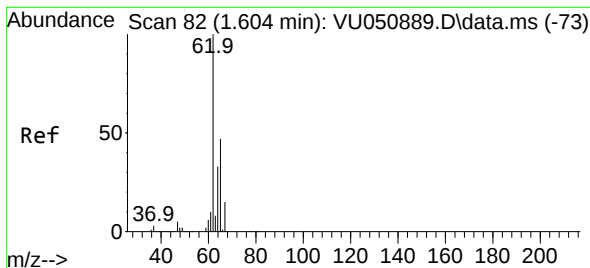
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.367 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

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MSVOA_U

ClientSampleId :

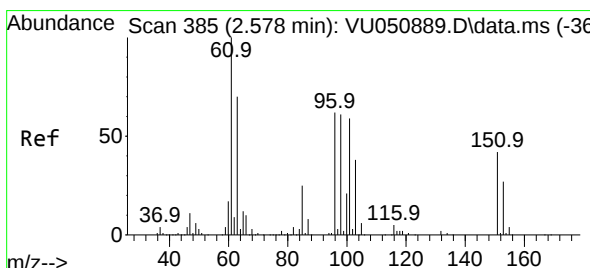
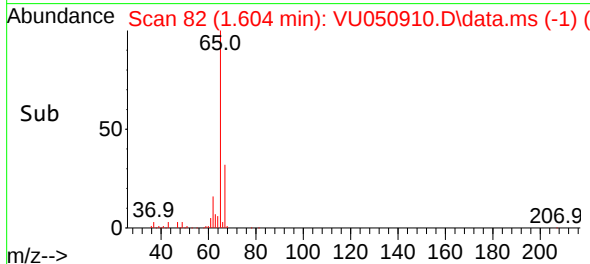
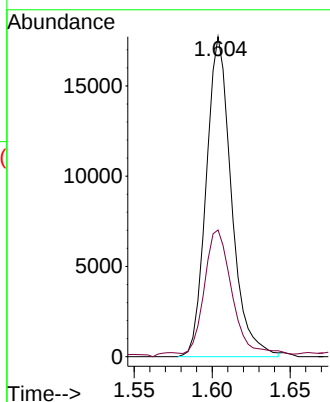
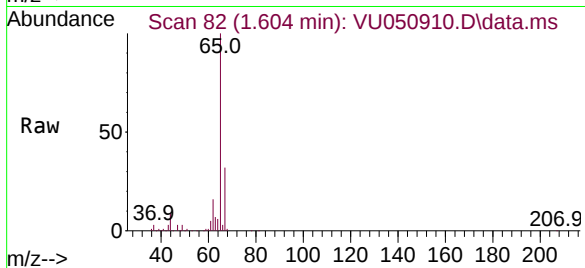
E45A7

Tgt Ion: 62 Resp: 19916

Ion Ratio Lower Upper

62 100

64 39.6 22.2 41.2



#10

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

Concen: 0.663 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU050910.D

Acq: 22 Sep 2022 19:59

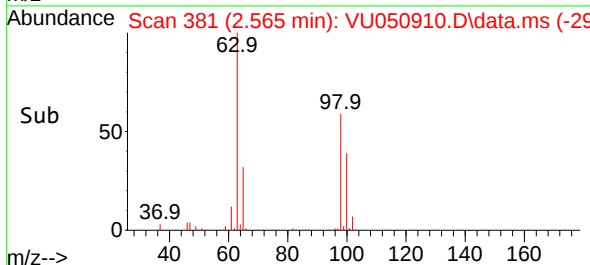
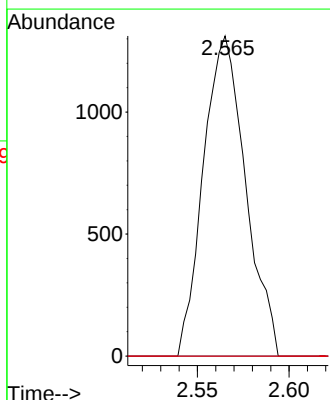
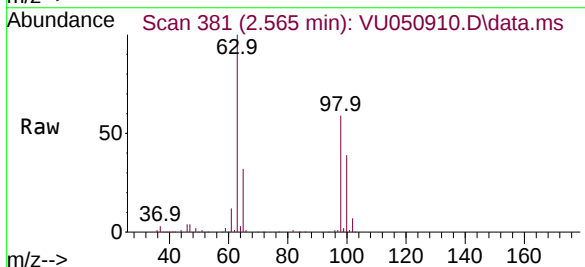
Tgt Ion: 101 Resp: 2099

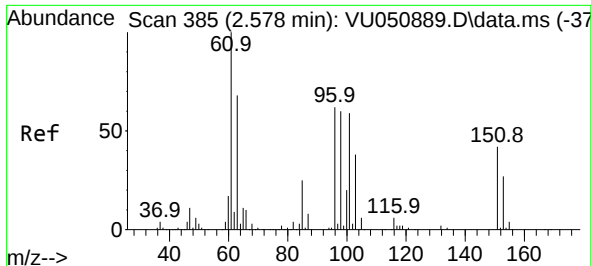
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#





#12

1,1-Dichloroethene

Concen: 0.691 ug/L

RT: 2.565 min Scan# 3

Delta R.T. -0.013 min

Lab File: VU050910.D

Acq: 22 Sep 2022 19:59

Instrument :

MSVOA_U

ClientSampleId :

E45A7

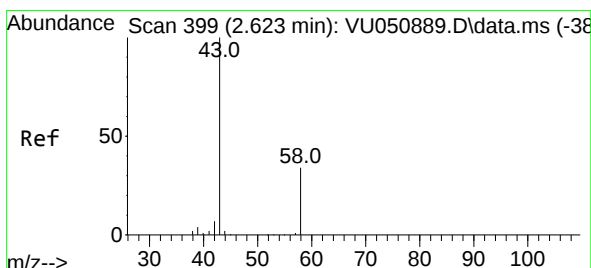
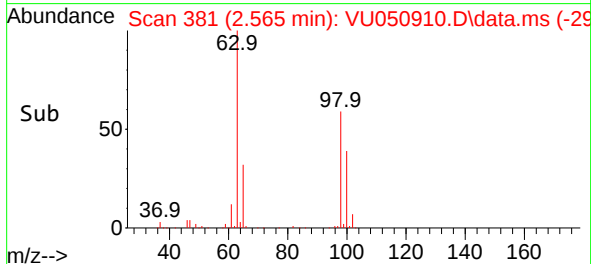
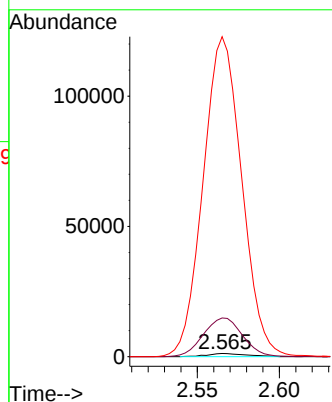
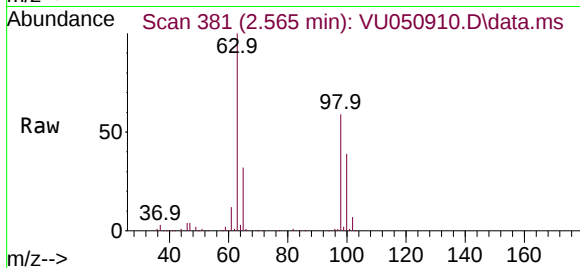
Tgt Ion: 96 Resp: 2056

Ion Ratio Lower Upper

96 100

61 1224.0 118.6 220.2#

63 10102.0 90.4 168.0#



#13

Acetone

Concen: 4.722 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU050910.D

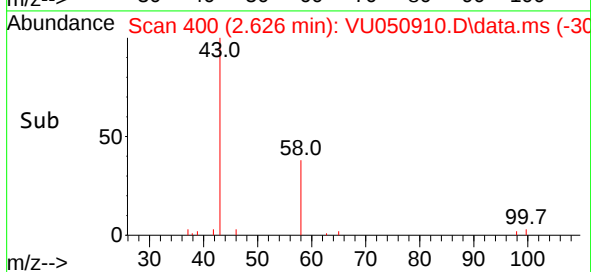
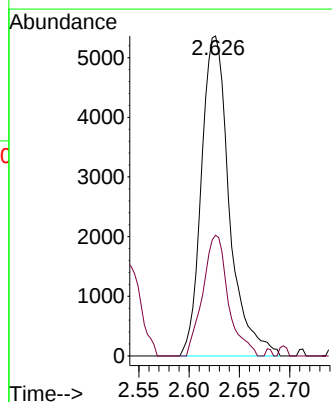
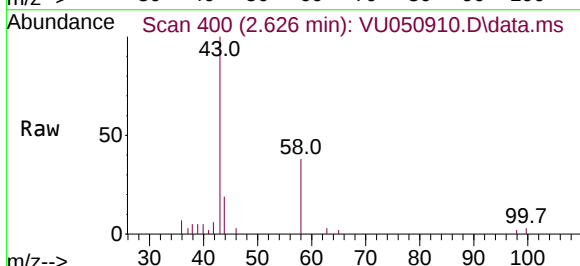
Acq: 22 Sep 2022 19:59

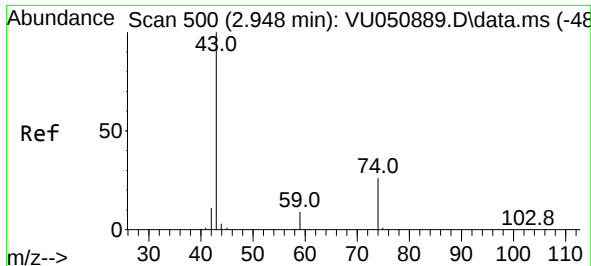
Tgt Ion: 43 Resp: 10350

Ion Ratio Lower Upper

43 100

58 34.4 0.0 71.4

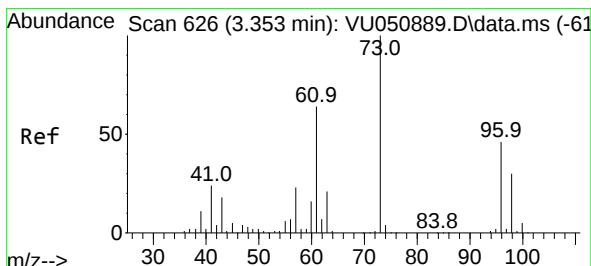
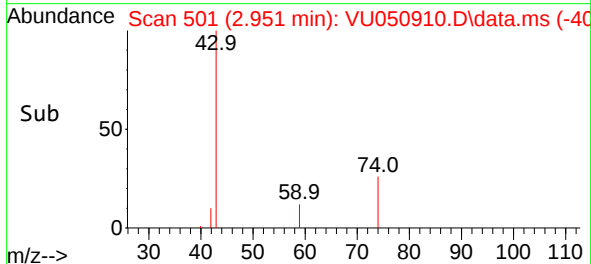
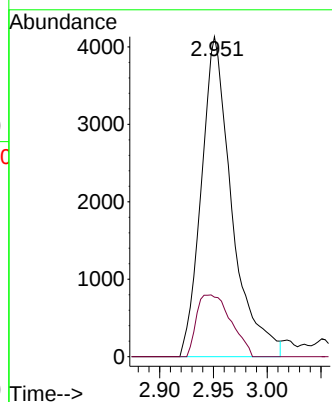
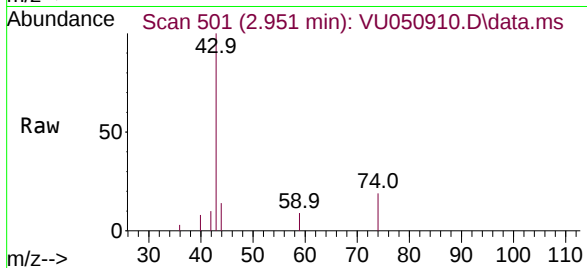




#15
Methyl Acetate
Concen: 1.970 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU050910.D
Acq: 22 Sep 2022 19:59

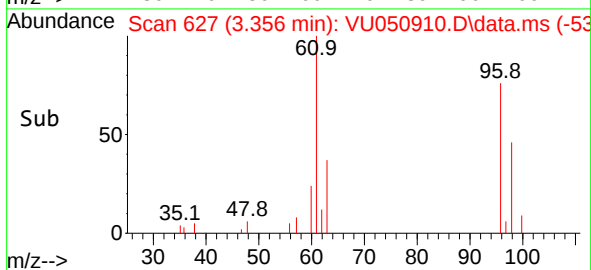
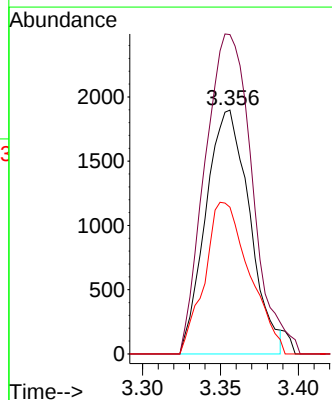
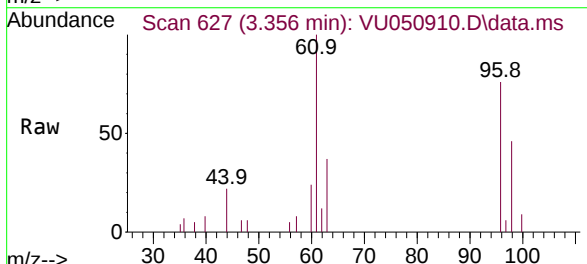
Instrument :
MSVOA_U
ClientSampleId :
E45A7

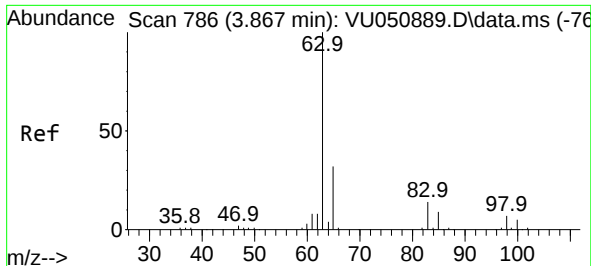
Tgt Ion: 43 Resp: 8150
Ion Ratio Lower Upper
43 100
74 21.7 19.9 29.9



#17
trans-1,2-Dichloroethene
Concen: 1.218 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU050910.D
Acq: 22 Sep 2022 19:59

Tgt Ion: 96 Resp: 3715
Ion Ratio Lower Upper
96 100
61 131.0 98.0 182.0
98 60.1 44.3 82.3





#19

1,1-Dichloroethane

Concen: 4.415 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU050910.D

Acq: 22 Sep 2022 19:59

Instrument :

MSVOA_U

ClientSampleId :

E45A7

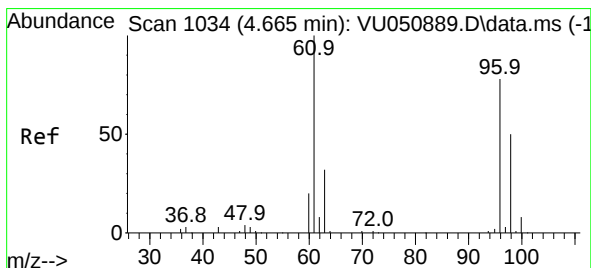
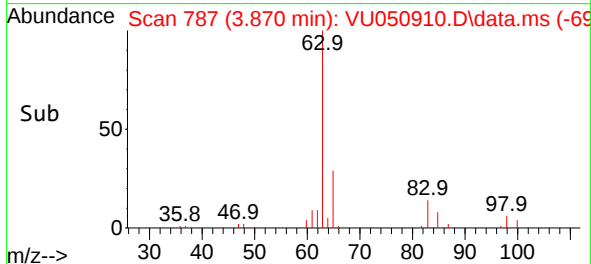
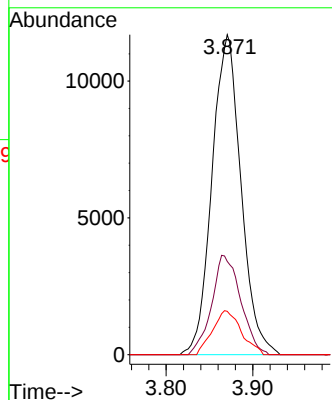
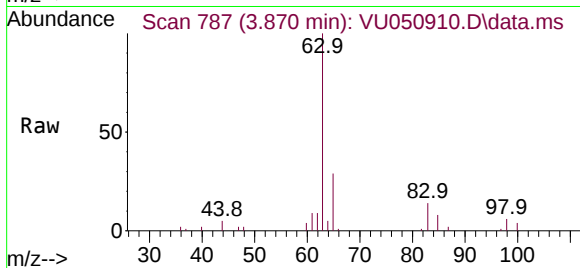
Tgt Ion: 63 Resp: 27203

Ion Ratio Lower Upper

63 100

65 29.1 21.5 39.9

83 13.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 30.996 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050910.D

Acq: 22 Sep 2022 19:59

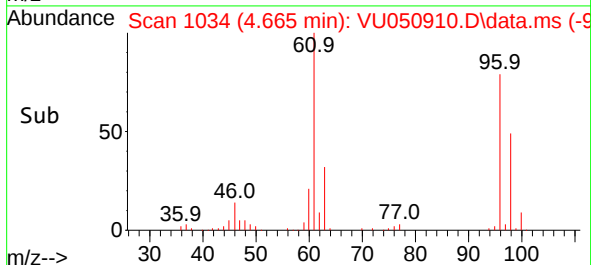
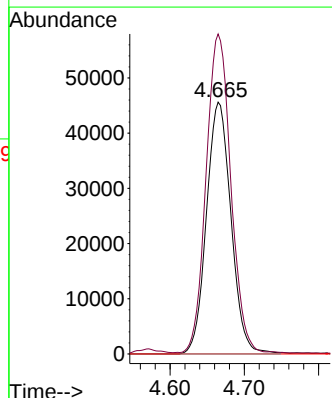
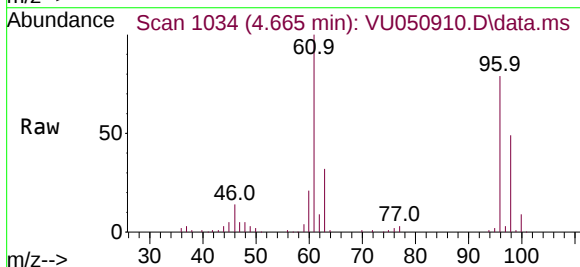
Tgt Ion: 96 Resp: 104799

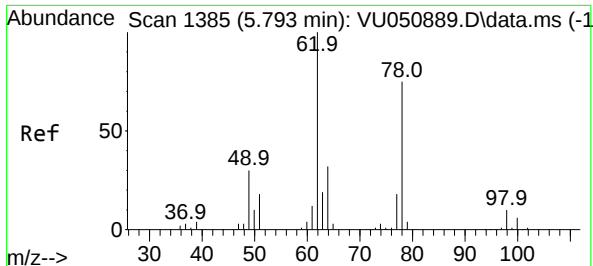
Ion Ratio Lower Upper

96 100

61 127.0 90.1 167.3

68 0.0 0.0 0.0

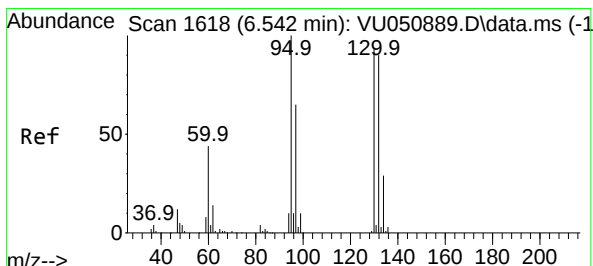
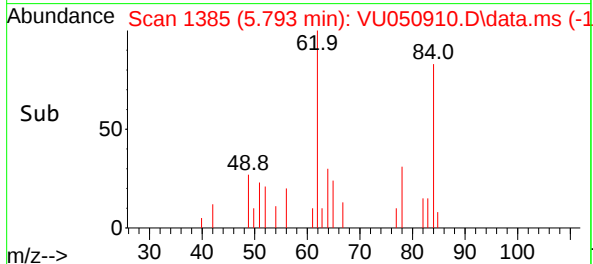
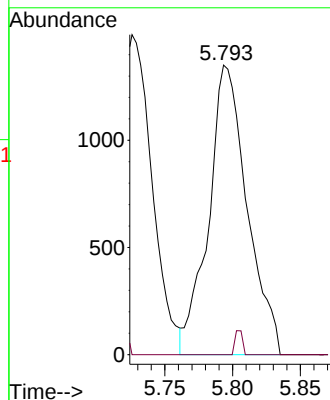
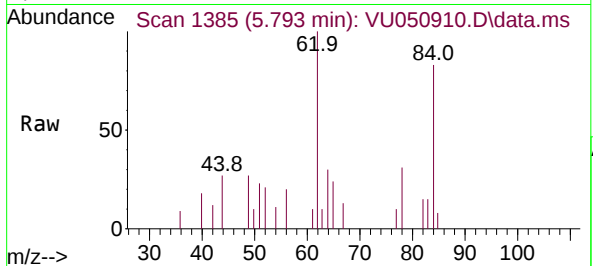




#27
1,2-Dichloroethane
Concen: 0.571 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050910.D
Acq: 22 Sep 2022 19:59

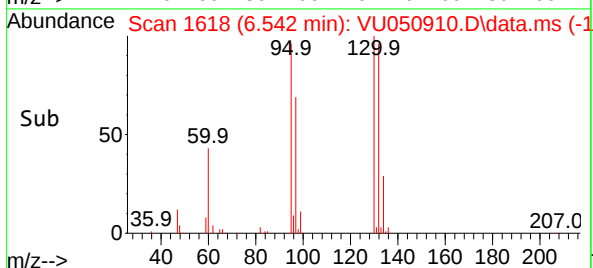
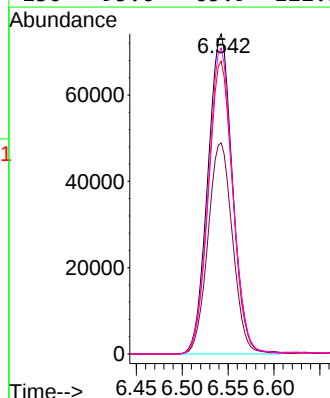
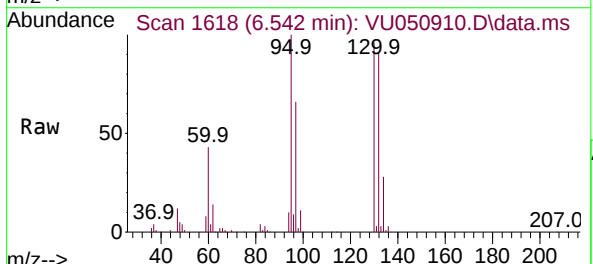
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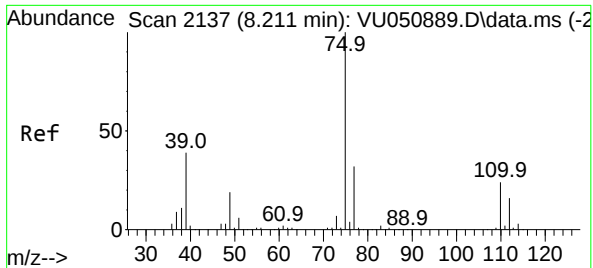
Tgt Ion: 62 Resp: 2664
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#34
Trichloroethene
Concen: 43.839 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050910.D
Acq: 22 Sep 2022 19:59

Tgt Ion: 95 Resp: 138767
Ion Ratio Lower Upper
95 100
97 65.9 43.9 81.5
132 91.5 63.1 117.1
130 95.6 65.9 122.3





#44
 trans-1,3-Dichloropropene
 Concen: 0.717 ug/L
 RT: 8.176 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: VU050910.D
 Acq: 22 Sep 2022 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A7

Tgt Ion: 75 Resp: 3403
 Ion Ratio Lower Upper
 75 100
 77 49.3 21.9 40.7#

