

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055255.D
 Acq On : 12 Sep 2023 18:06
 Operator : MD/SY
 Sample : 04350-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P8

Quant Time: Sep 13 01:48:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

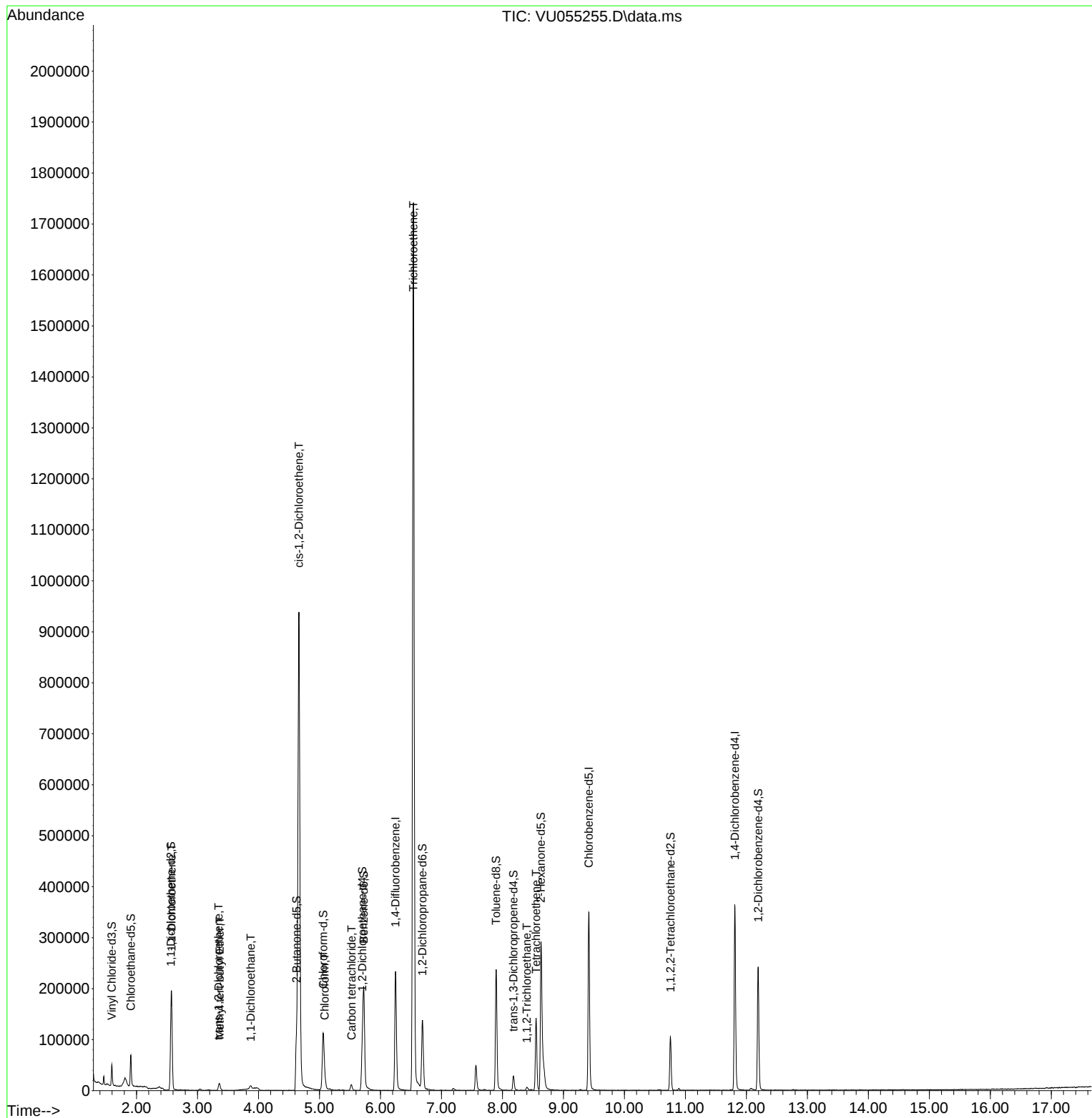
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	186186	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	195710	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	94442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28202	3.232	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.600%
7) Chloroethane-d5	1.907	69	42455	4.203	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.563	65	15890	3.196	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.624	46	143829	56.798	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.600%
24) Chloroform-d	5.062	84	99571	4.300	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	5.701	65	55275	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.727	84	189806	3.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.689	67	66719	4.342	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.897	98	161770	3.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.180	79	17374	4.106	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.631	63	92069	53.595	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.200%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52506	4.859	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	60939	4.421	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	48157	5.595	ug/L	87
17) Methyl tert-butyl Ether	3.364	73	6407	0.284	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	3500	0.401	ug/L	91
19) 1,1-Dichloroethane	3.872	63	7481	0.396	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	471932	44.146	ug/L	92
25) Chloroform	5.084	83	15307	0.779	ug/L	99
31) Carbon tetrachloride	5.525	117	7484	0.532	ug/L	99
34) Trichloroethene	6.541	95	589960	50.964	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	2263	0.296	ug/L	83
47) Tetrachloroethene	8.553	164	30374	3.796	ug/L	96

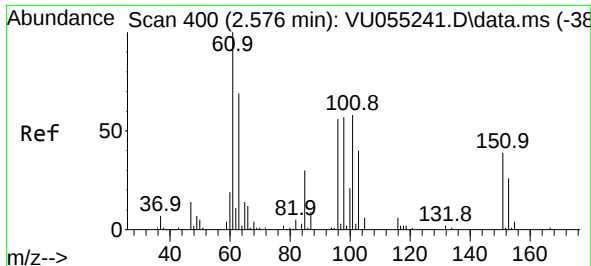
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.595 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

BH4P8

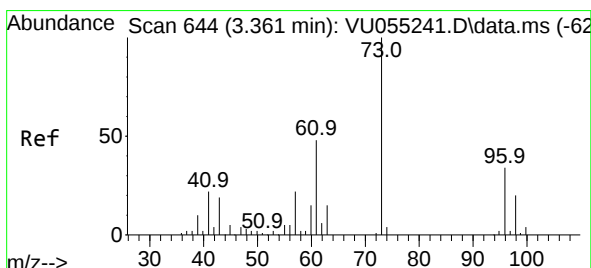
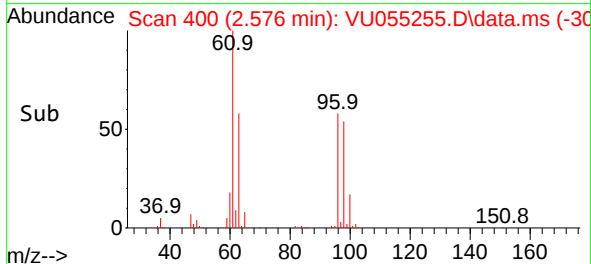
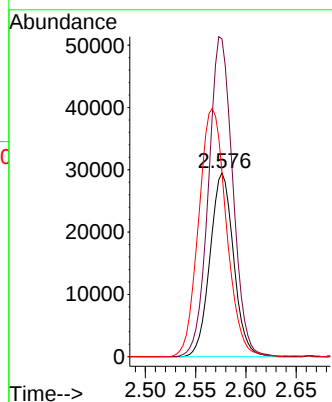
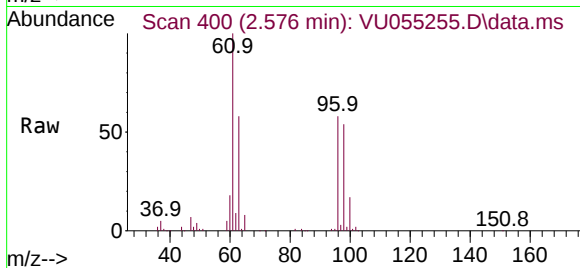
Tgt Ion: 96 Resp: 48157

Ion Ratio Lower Upper

96 100

61 173.1 120.8 224.4

63 100.6 94.5 175.5



#17

Methyl tert-butyl Ether

Concen: 0.284 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

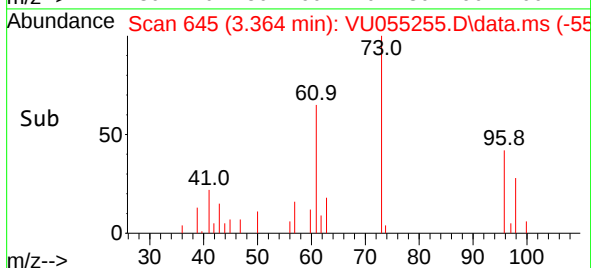
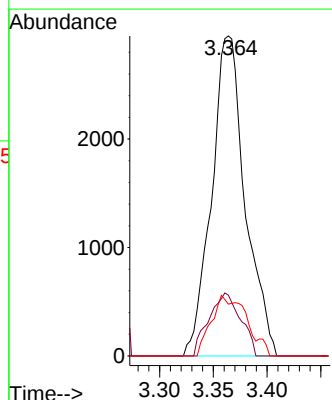
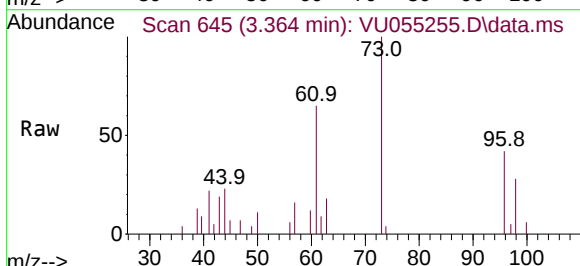
Tgt Ion: 73 Resp: 6407

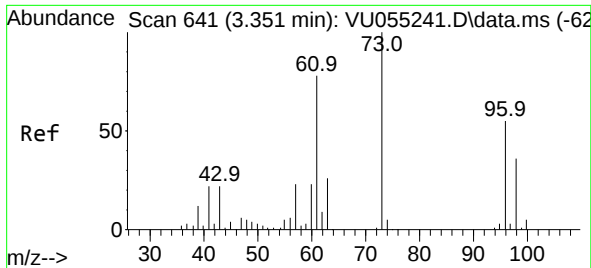
Ion Ratio Lower Upper

73 100

43 18.6 16.2 24.2

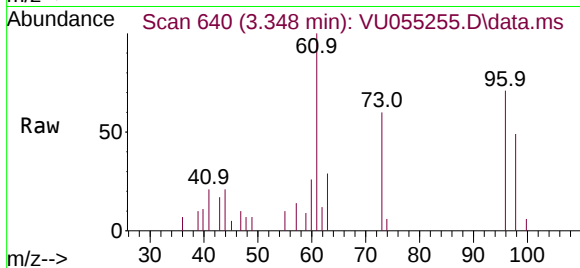
57 19.9 17.4 26.2





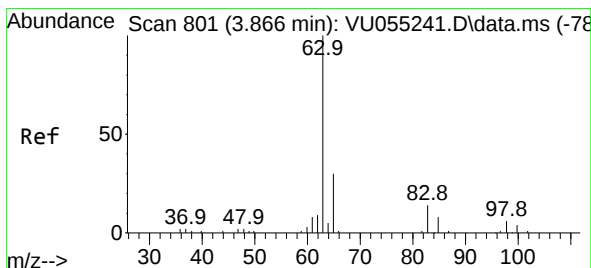
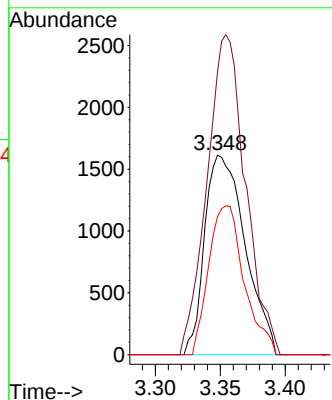
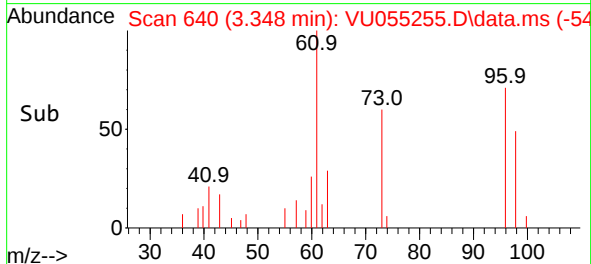
#18
 trans-1,2-Dichloroethene
 Concen: 0.401 ug/L
 RT: 3.348 min Scan# 641
 Delta R.T. -0.003 min
 Lab File: VU055255.D
 Acq: 12 Sep 2023 18:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4P8

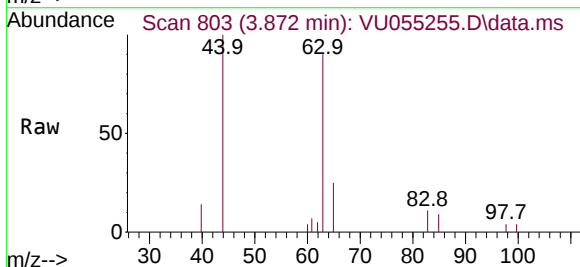


Tgt Ion: 96 Resp: 3500

Ion	Ratio	Lower	Upper
96	100		
61	141.7	108.1	200.9
98	69.1	45.4	84.4

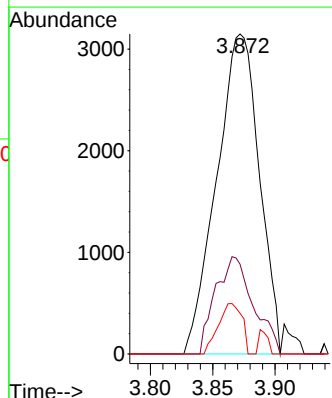
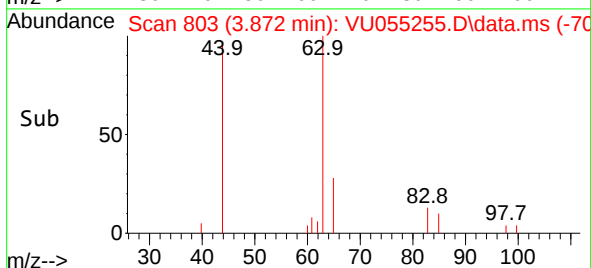


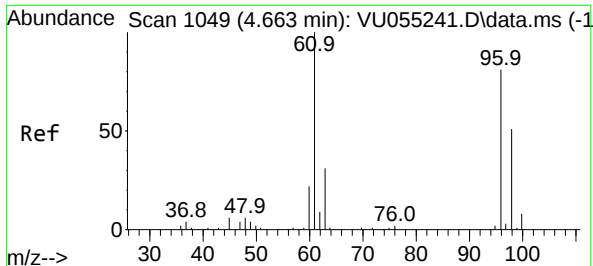
#19
 1,1-Dichloroethane
 Concen: 0.396 ug/L
 RT: 3.872 min Scan# 803
 Delta R.T. 0.006 min
 Lab File: VU055255.D
 Acq: 12 Sep 2023 18:06



Tgt Ion: 63 Resp: 7481

Ion	Ratio	Lower	Upper
63	100		
65	28.0	22.2	41.2
83	12.7	10.6	19.8





#22

cis-1,2-Dichloroethene

Concen: 44.146 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

BH4P8

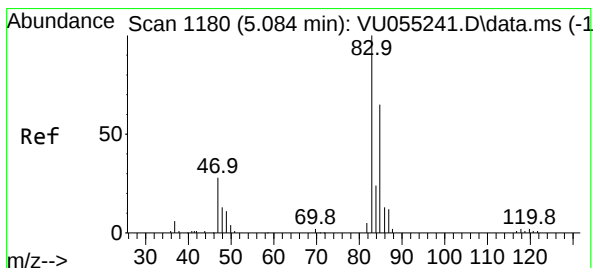
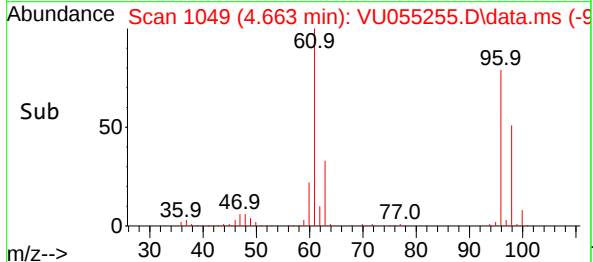
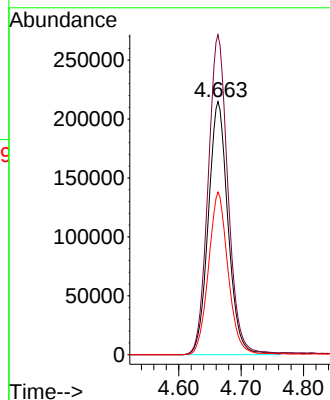
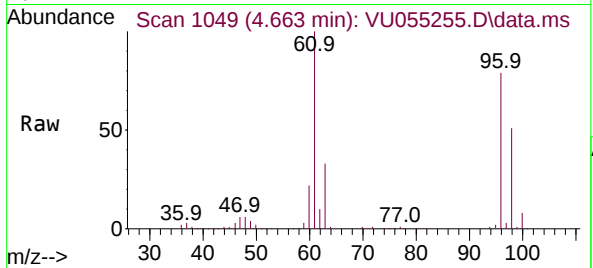
Tgt Ion: 96 Resp: 471932

Ion Ratio Lower Upper

96 100

61 126.4 97.2 180.4

98 64.2 46.1 85.7



#25

Chloroform

Concen: 0.779 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055255.D

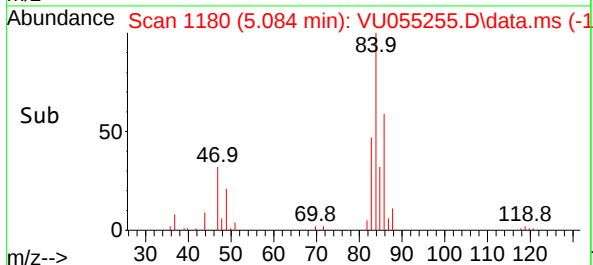
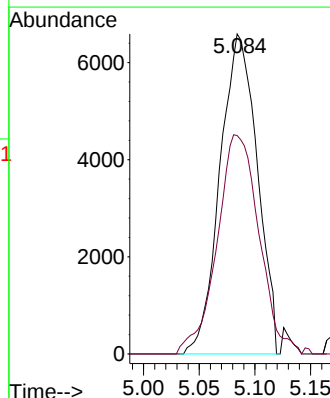
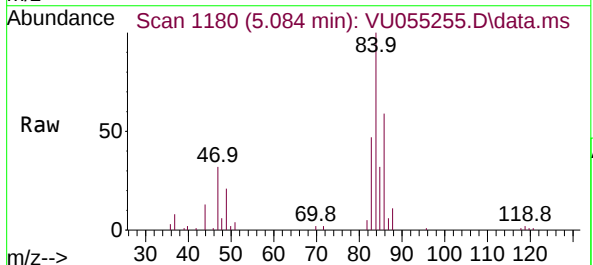
Acq: 12 Sep 2023 18:06

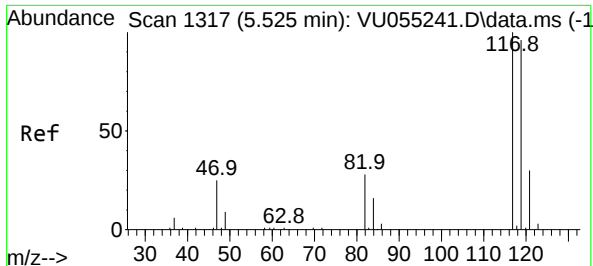
Tgt Ion: 83 Resp: 15307

Ion Ratio Lower Upper

83 100

85 68.2 47.2 87.6

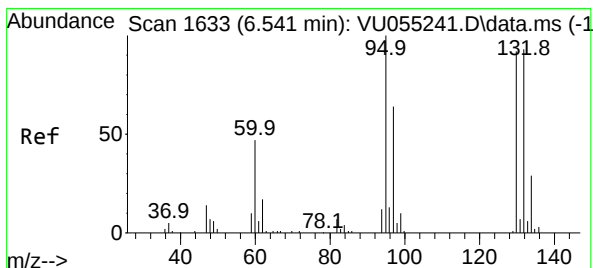
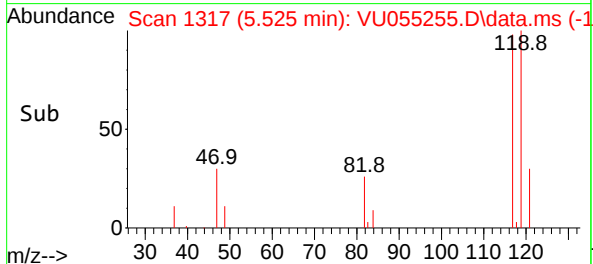
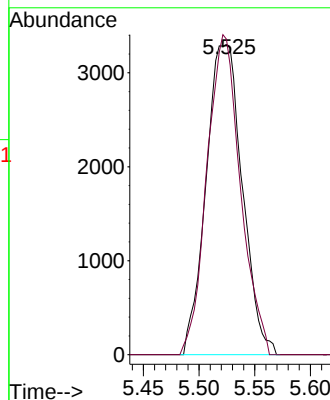
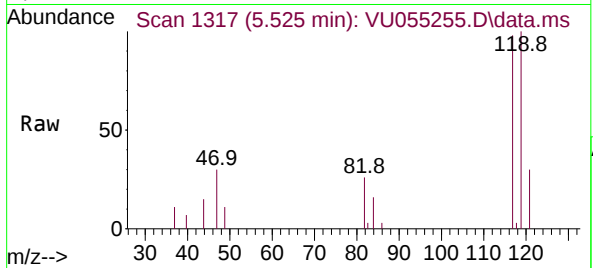




#31
Carbon tetrachloride
Concen: 0.532 ug/L
RT: 5.525 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

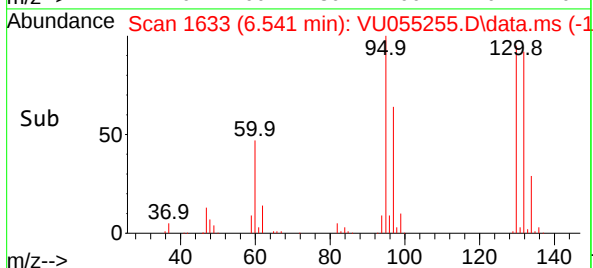
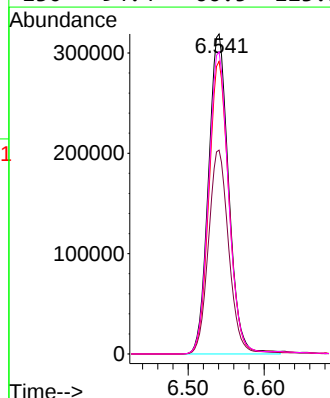
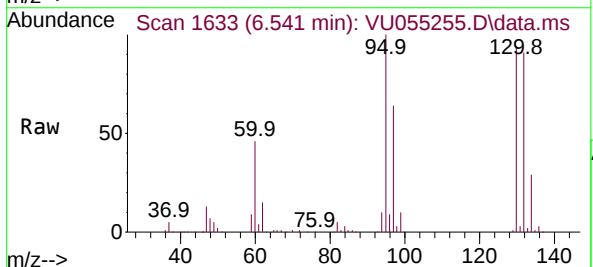
Instrument :
MSVOA_U
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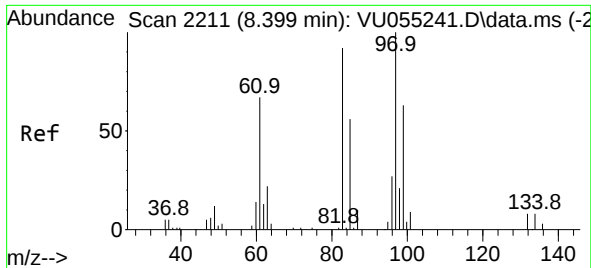
Tgt Ion:117 Resp: 7484
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.0



#34
Trichloroethene
Concen: 50.964 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt Ion: 95 Resp: 589960
Ion Ratio Lower Upper
95 100
97 63.7 44.7 83.1
132 91.5 66.6 123.6
130 94.4 66.5 123.5

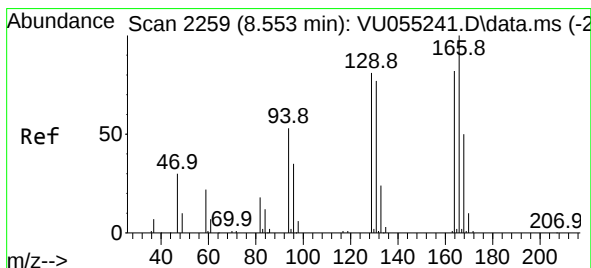
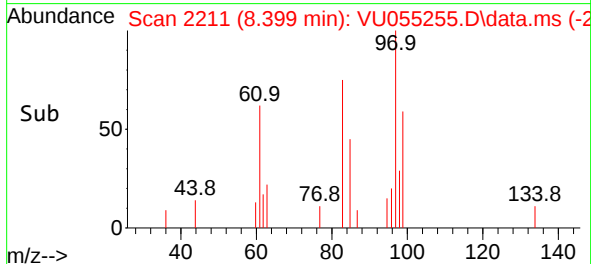
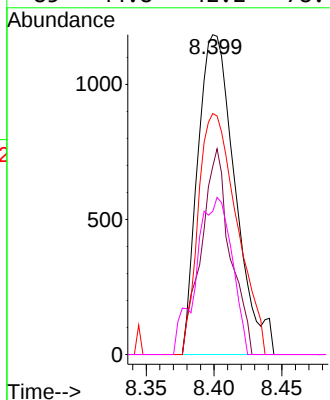
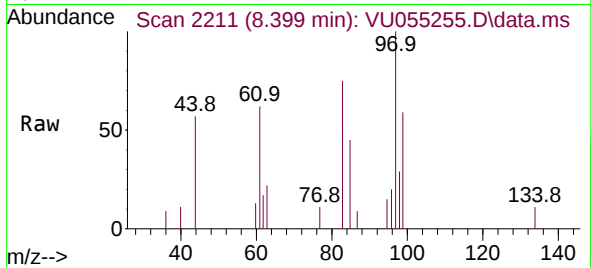




#45
1,1,2-Trichloroethane
Concen: 0.296 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Instrument :
MSVOA_U
ClientSampleId :
BH4P8

Tgt Ion: 97	Resp: 2263
Ion Ratio	Lower Upper
97 100	
99 58.8	44.9 83.5
83 75.3	66.9 124.3
85 44.8	42.2 78.4



#47
Tetrachloroethene
Concen: 3.796 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt	Ion:164	Resp:	30374
Ion	Ratio	Lower	Upper
164	100		
129	102.2	69.2	128.6
131	96.3	68.8	127.8
166	125.5	92.3	171.5

