

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU055001.D
 Acq On : 30 Aug 2023 16:04
 Operator : MD/SY
 Sample : 04230-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH492

Quant Time: Aug 31 02:37:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

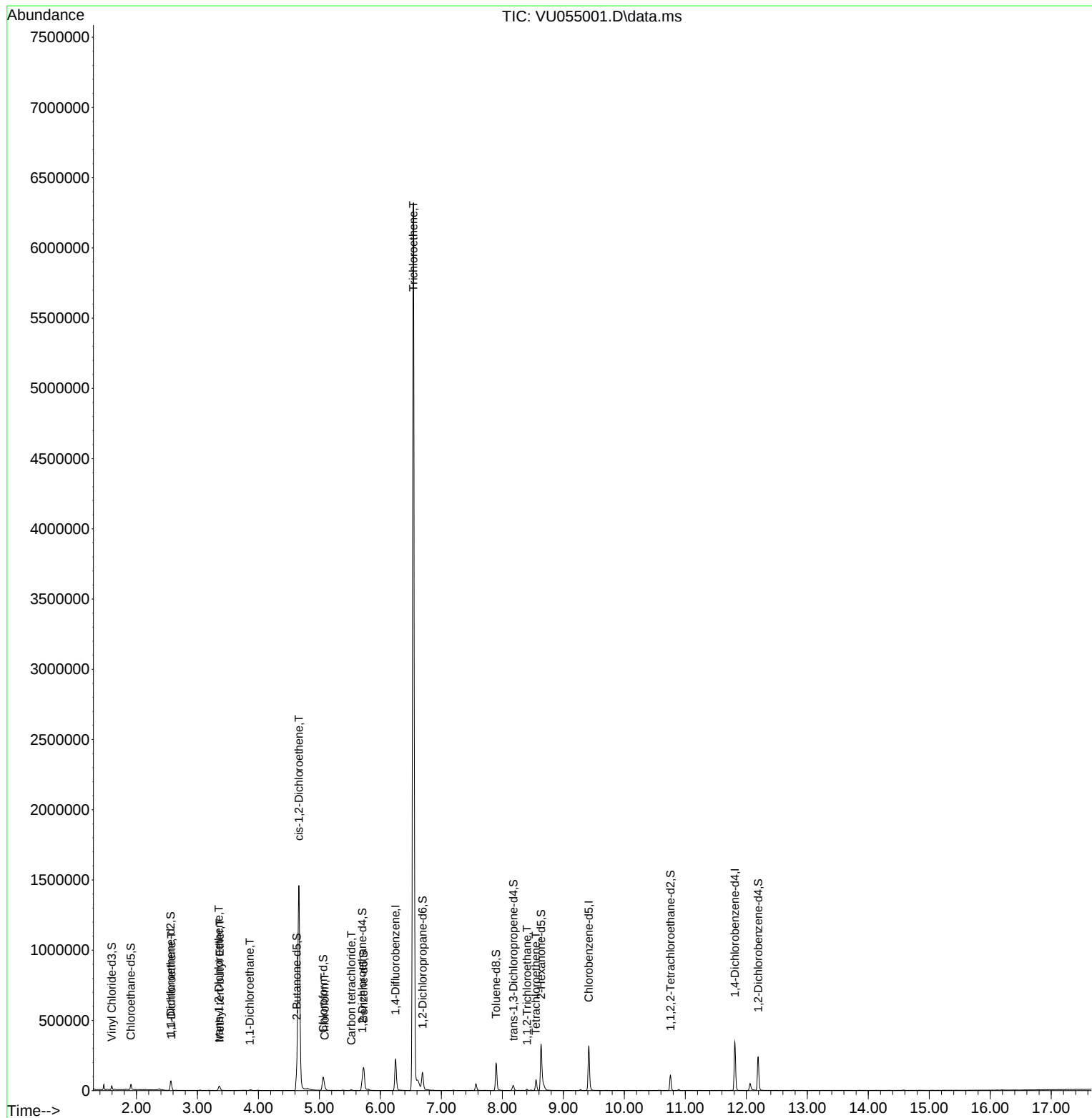
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	176676	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	167954	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	87288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18376	3.295	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	66.000%	
7) Chloroethane-d5	1.907	69	25954	3.603	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	72.000%	
11) 1,1-Dichloroethene-d2	2.560	65	11251	3.570	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	71.400%	
20) 2-Butanone-d5	4.628	46	165422	54.958	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	109.920%	
24) Chloroform-d	5.062	84	85130	4.115	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.400%	
26) 1,2-Dichloroethane-d4	5.702	65	48783	4.432	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.600%	
32) Benzene-d6	5.724	84	146244	3.874	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	77.400%	
36) 1,2-Dichloropropane-d6	6.692	67	55067	4.147	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	83.000%	
41) Toluene-d8	7.898	98	131489	3.637	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	72.800%	
43) trans-1,3-Dichloroprop...	8.181	79	16834	3.852	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	77.000%	
46) 2-Hexanone-d5	8.634	63	111259	53.644	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	107.280%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53570	4.705	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.000%	
66) 1,2-Dichlorobenzene-d4	12.193	152	59526	4.271	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	85.400%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	4788	0.600	ug/L	# 1
17) Methyl tert-butyl Ether	3.364	73	20004	0.862	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	6464	0.741	ug/L	88
19) 1,1-Dichloroethane	3.859	63	6917	0.378	ug/L	89
22) cis-1,2-Dichloroethene	4.663	96	733300	70.552	ug/L	97
25) Chloroform	5.084	83	14497	0.723	ug/L	100
31) Carbon tetrachloride	5.521	117	3482	0.245	ug/L	94
34) Trichloroethene	6.541	95	2120856	193.148	ug/L	98
45) 1,1,2-Trichloroethane	8.406	97	2687	0.360	ug/L	92
47) Tetrachloroethene	8.550	164	15078	1.911	ug/L	97

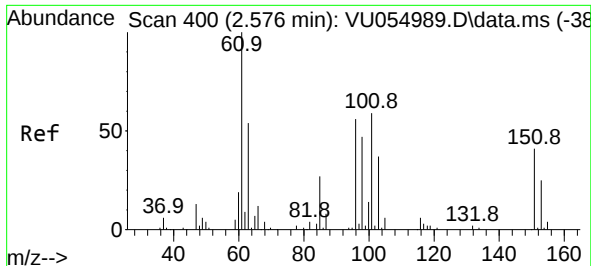
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.600 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

Instrument :

MSVOA_U

ClientSampleId :

BH492

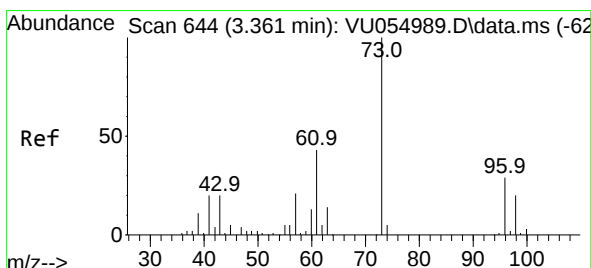
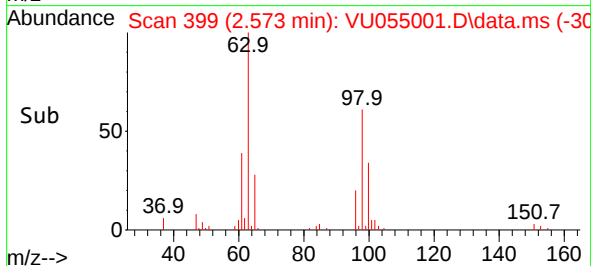
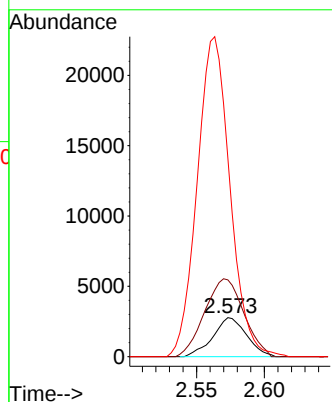
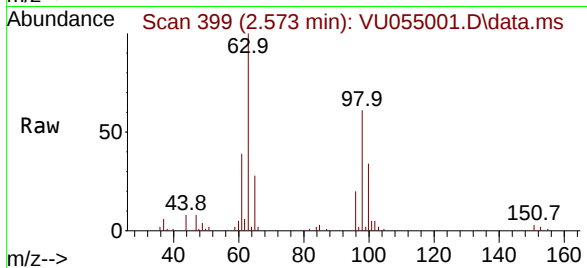
Tgt Ion: 96 Resp: 4788

Ion Ratio Lower Upper

96 100

61 196.3 132.4 245.8

63 507.7 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.862 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055001.D

Acq: 30 Aug 2023 16:04

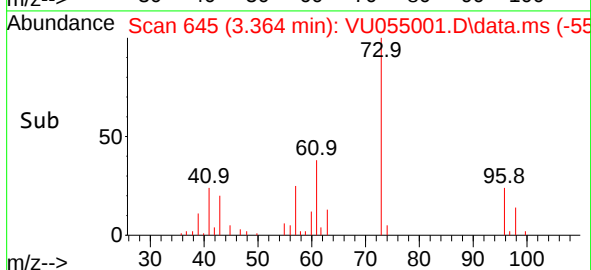
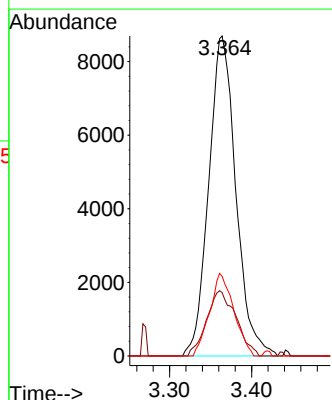
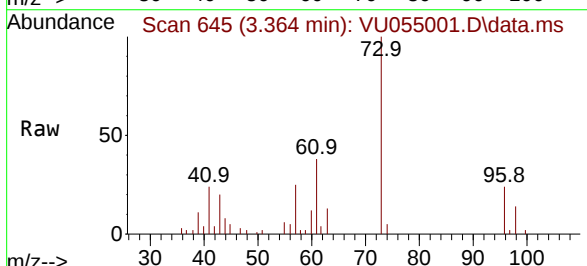
Tgt Ion: 73 Resp: 20004

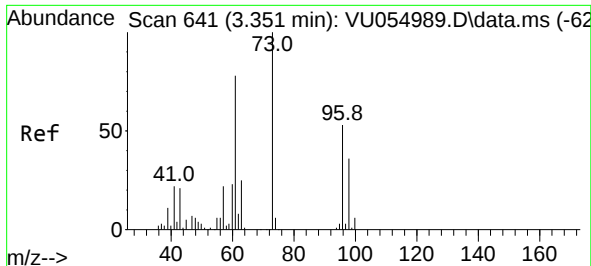
Ion Ratio Lower Upper

73 100

43 22.0 16.2 24.2

57 23.0 17.4 26.0

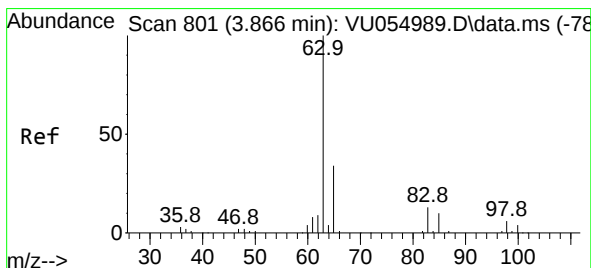
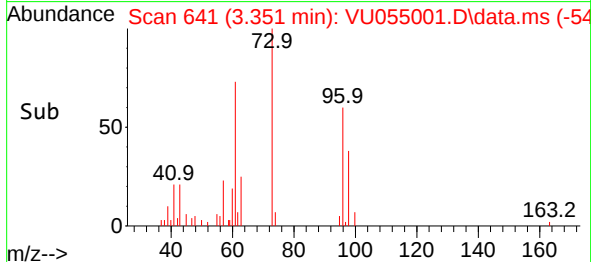
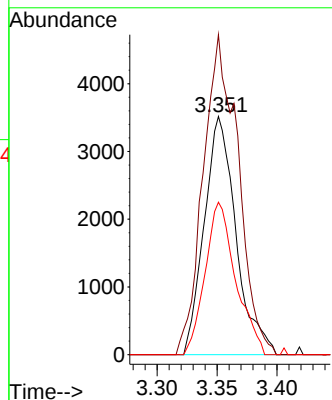
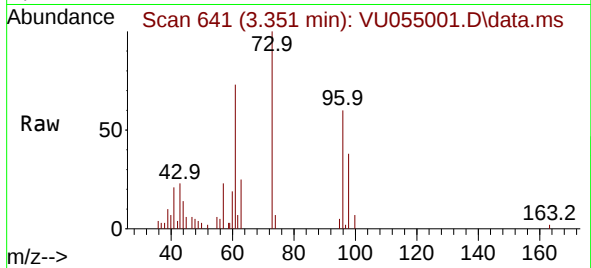




#18
trans-1,2-Dichloroethene
Concen: 0.741 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

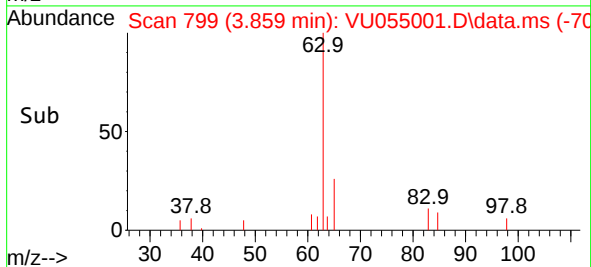
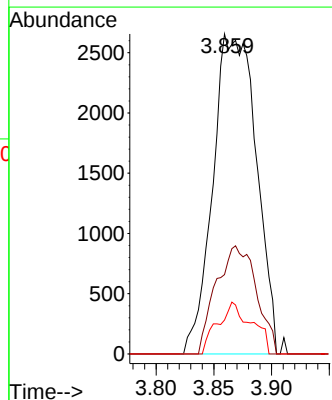
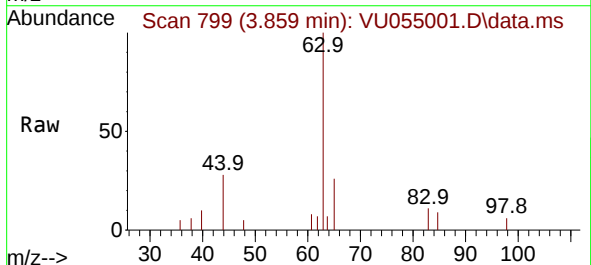
Instrument :
MSVOA_U
ClientSampleId :
BH492

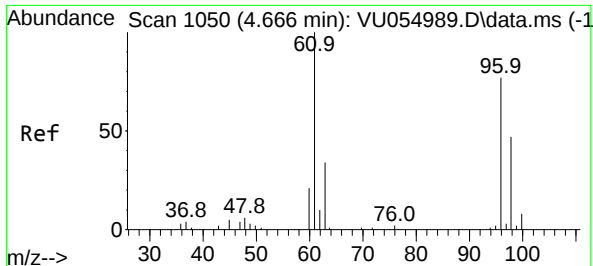
Tgt Ion: 96 Resp: 6464
Ion Ratio Lower Upper
96 100
61 134.4 108.8 202.0
98 64.1 45.8 85.2



#19
1,1-Dichloroethane
Concen: 0.378 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.007 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Tgt Ion: 63 Resp: 6917
Ion Ratio Lower Upper
63 100
65 24.8 22.5 41.7
83 10.6 9.5 17.7

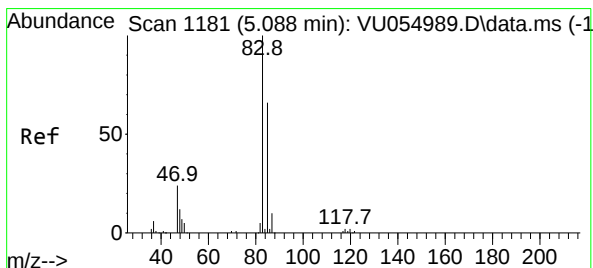
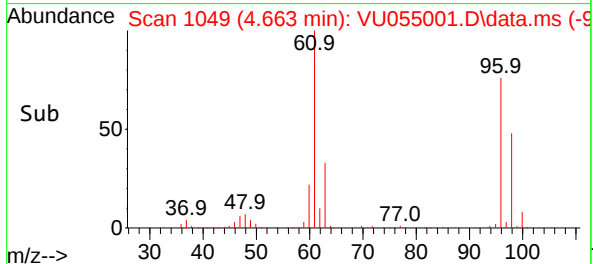
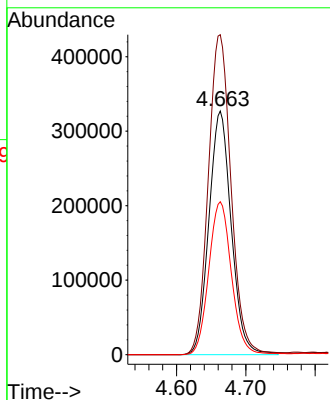
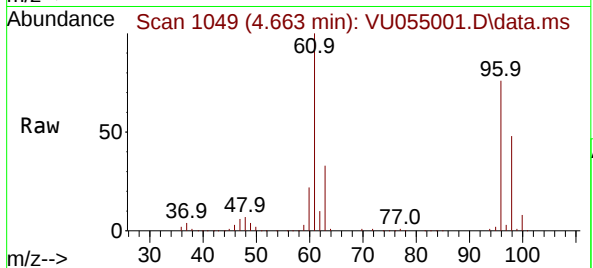




#22
 cis-1,2-Dichloroethene
 Concen: 70.552 ug/L
 RT: 4.663 min Scan# 1180
 Delta R.T. -0.003 min
 Lab File: VU055001.D
 Acq: 30 Aug 2023 16:04

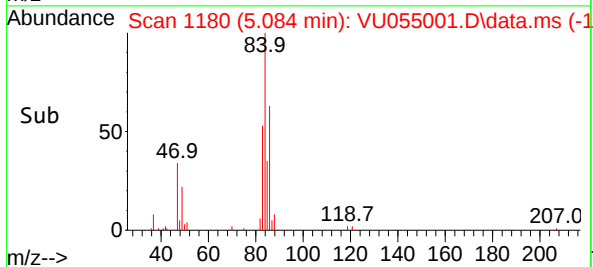
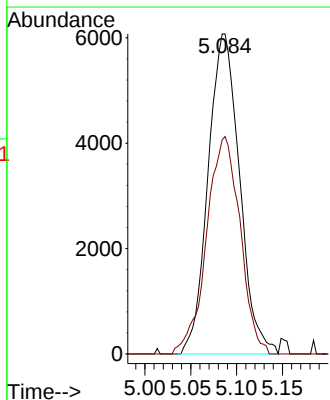
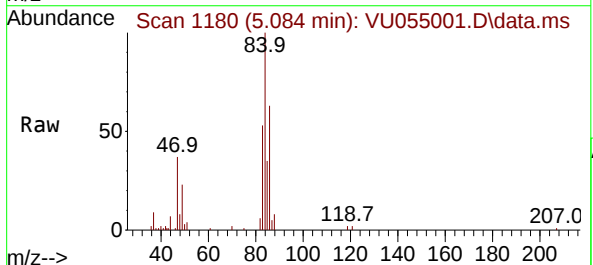
Instrument :
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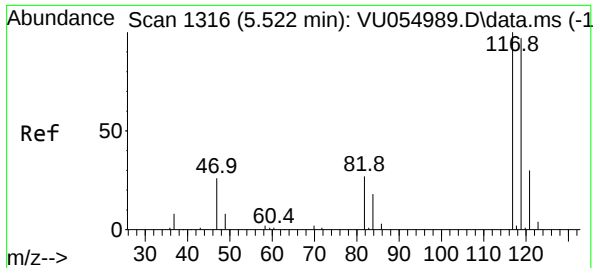
Tgt Ion: 96 Resp: 733300
 Ion Ratio Lower Upper
 96 100
 61 131.3 88.4 164.2
 98 62.8 44.0 81.6



#25
 Chloroform
 Concen: 0.723 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. -0.003 min
 Lab File: VU055001.D
 Acq: 30 Aug 2023 16:04

Tgt Ion: 83 Resp: 14497
 Ion Ratio Lower Upper
 83 100
 85 66.9 46.7 86.7

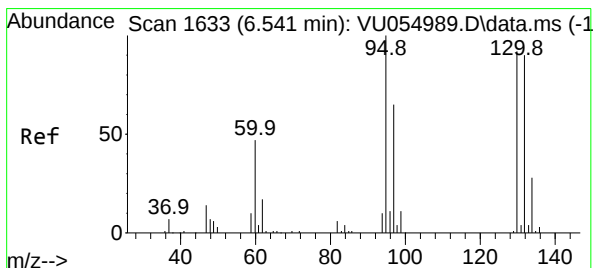
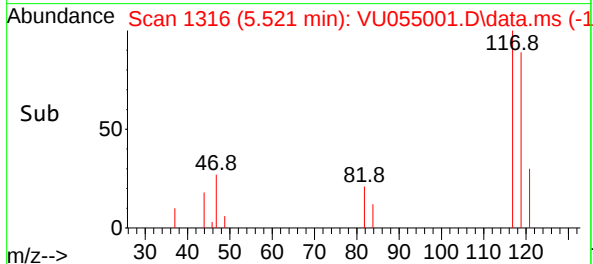
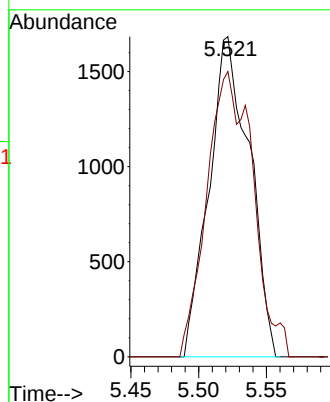
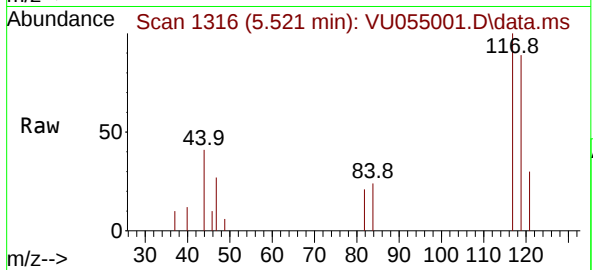




#31
Carbon tetrachloride
Concen: 0.245 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

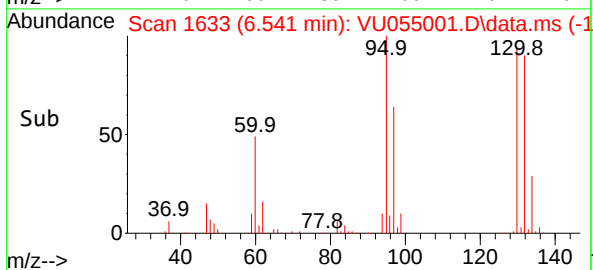
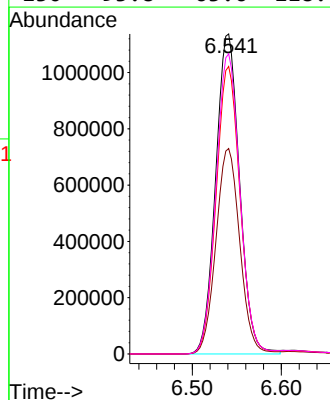
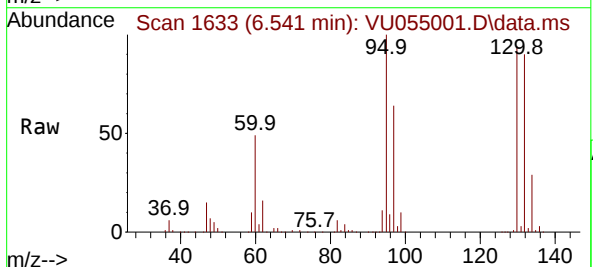
Instrument :
MSVOA_U
ClientSampleId :
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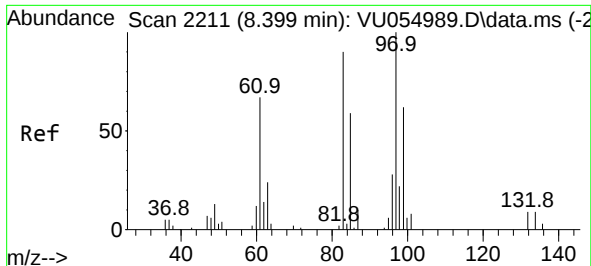
Tgt Ion:117 Resp: 3482
Ion Ratio Lower Upper
117 100
119 101.9 76.6 115.0



#34
Trichloroethene
Concen: 193.148 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Tgt Ion: 95 Resp: 2120856
Ion Ratio Lower Upper
95 100
97 64.2 44.1 81.9
132 89.9 63.6 118.2
130 93.8 63.6 118.0



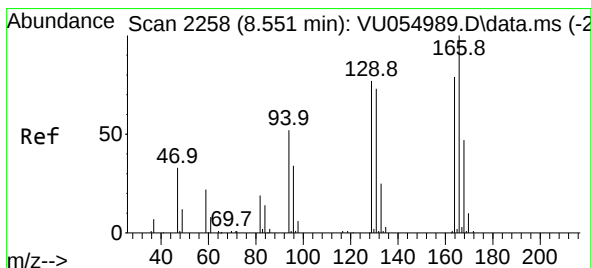
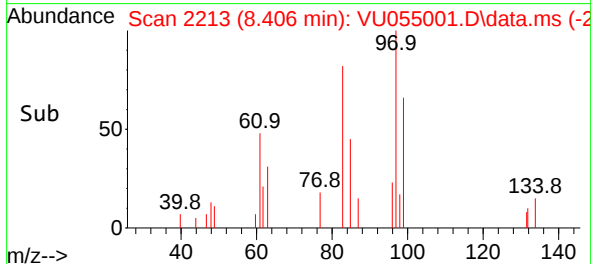
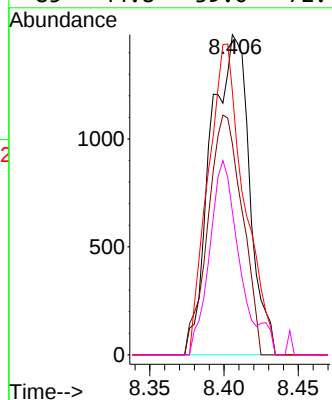
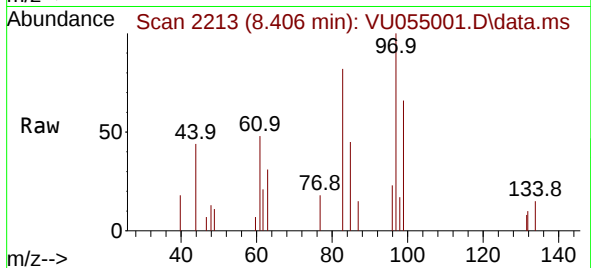


#45
1,1,2-Trichloroethane
Concen: 0.360 ug/L
RT: 8.406 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 97 Resp: 2687

Ion	Ratio	Lower	Upper
97	100		
99	65.9	41.5	77.1
83	82.4	59.8	111.1
85	44.8	39.0	72.4



#47
Tetrachloroethene
Concen: 1.911 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055001.D
Acq: 30 Aug 2023 16:04

Tgt Ion: 164 Resp: 15078

Ion	Ratio	Lower	Upper
164	100		
129	104.3	72.8	135.2
131	98.7	70.7	131.3
166	130.4	95.9	178.1

