

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055149.D
 Acq On : 06 Sep 2023 18:47
 Operator : MD/SY
 Sample : 04230-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4B7

Quant Time: Sep 06 20:42:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

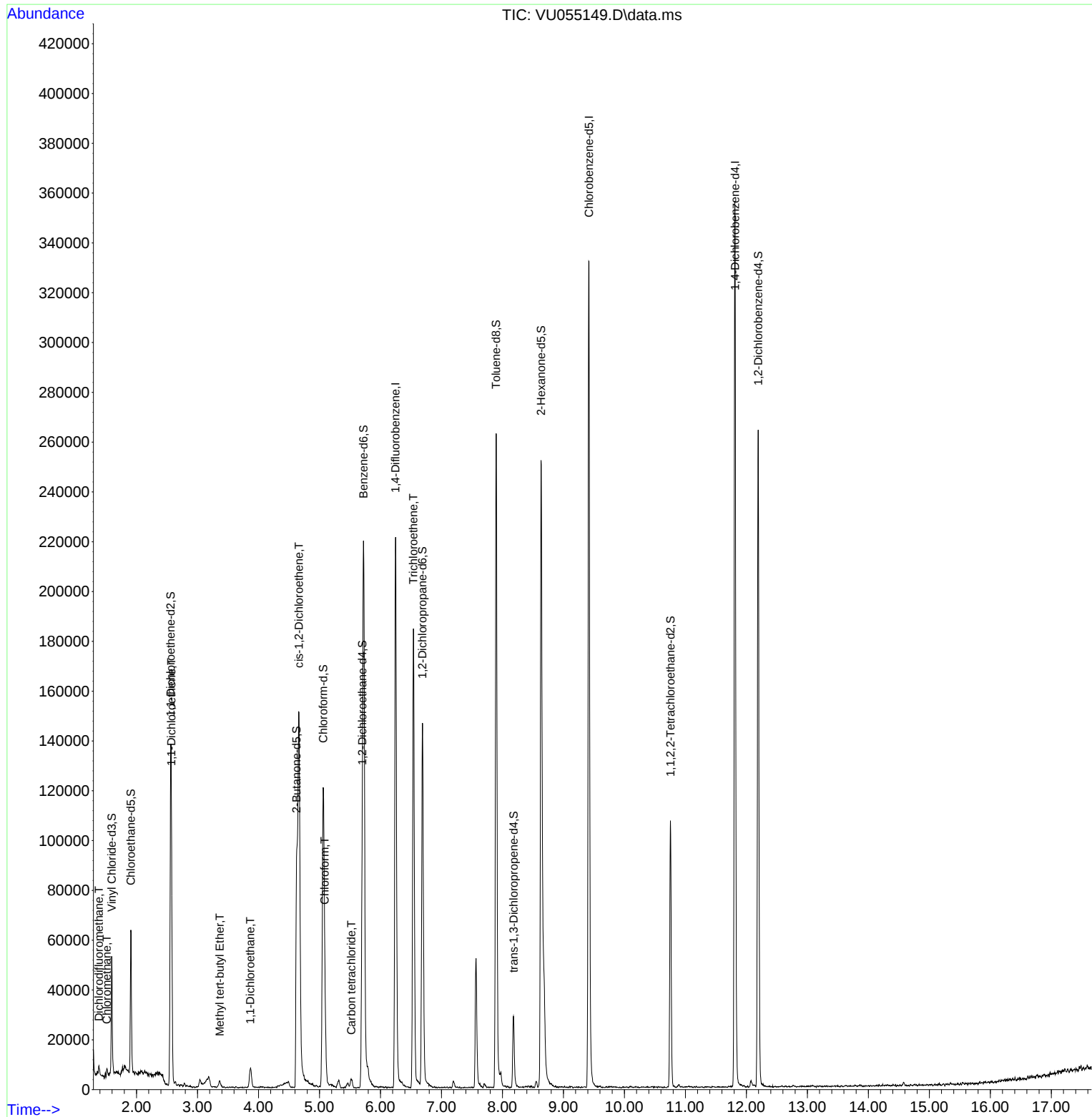
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	173341	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	181255	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	91281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32586	4.011	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.907	69	40223	4.277	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.560	65	19691	4.254	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.624	46	140120	59.434	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.860%
24) Chloroform-d	5.062	84	104247	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.701	65	58004	5.378	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.724	84	203200	4.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.689	67	70424	4.949	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.898	98	173532	4.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.184	79	16839	4.297	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.634	63	80340	50.497	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.000%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53250	5.321	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	65170	4.891	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
2) Dichlorodifluoromethane	1.383	85	1293	0.128	ug/L	89
3) Chloromethane	1.515	50	1488	0.145	ug/L #	80
12) 1,1-Dichloroethene	2.573	96	19579	2.443	ug/L #	65
17) Methyl tert-butyl Ether	3.364	73	2502	0.119	ug/L	92
19) 1,1-Dichloroethane	3.866	63	10185	0.580	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	66954	6.727	ug/L	94
25) Chloroform	5.087	83	27561	1.506	ug/L	96
31) Carbon tetrachloride	5.521	117	2732	0.210	ug/L	99
34) Trichloroethene	6.541	95	62201	5.802	ug/L	99

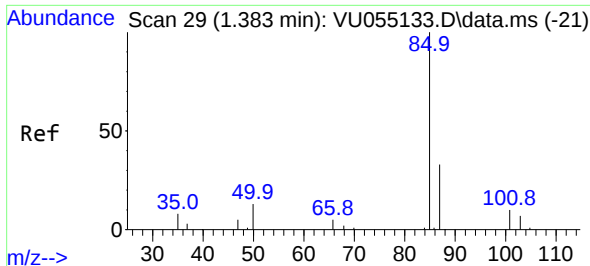
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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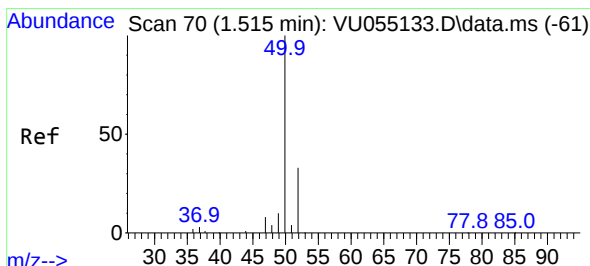
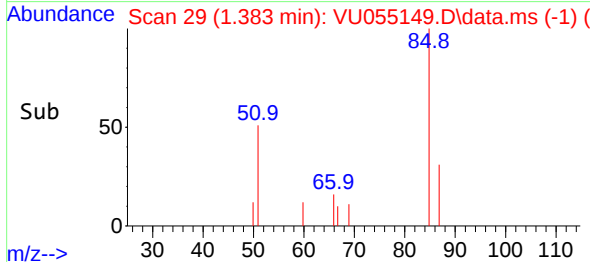
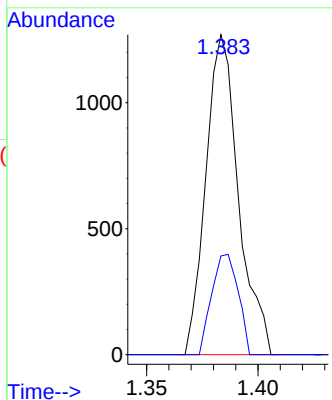
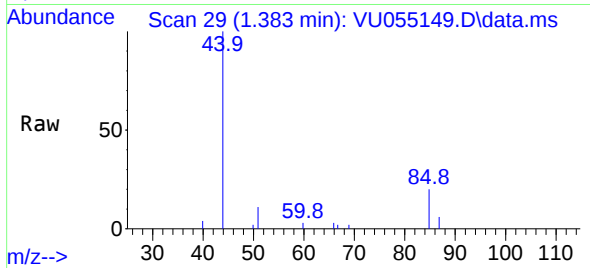




#2
 Dichlorodifluoromethane
 Concen: 0.128 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055149.D
 Acq: 06 Sep 2023 18:47

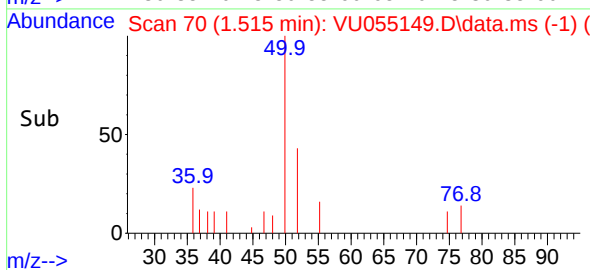
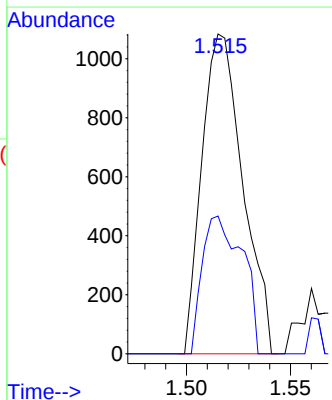
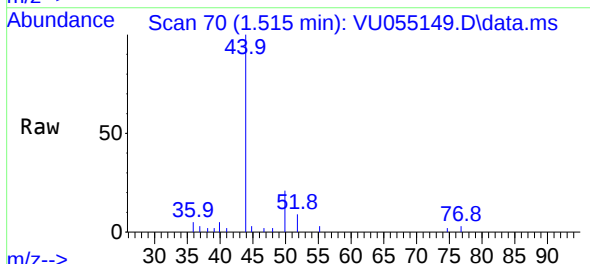
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4B7

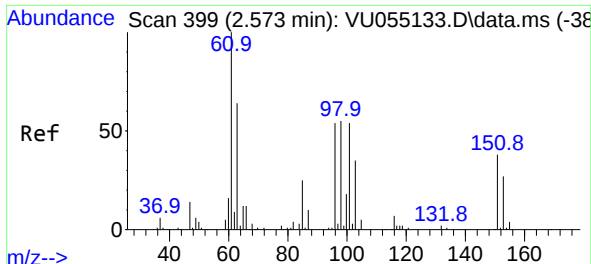
Tgt Ion: 85 Resp: 1293
 Ion Ratio Lower Upper
 85 100
 87 25.3 25.1 37.7



#3
 Chloromethane
 Concen: 0.145 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055149.D
 Acq: 06 Sep 2023 18:47

Tgt Ion: 50 Resp: 1488
 Ion Ratio Lower Upper
 50 100
 52 43.1 22.5 41.7#

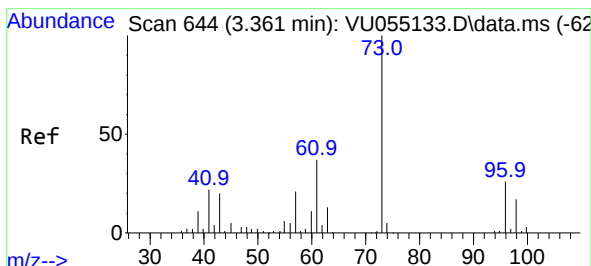
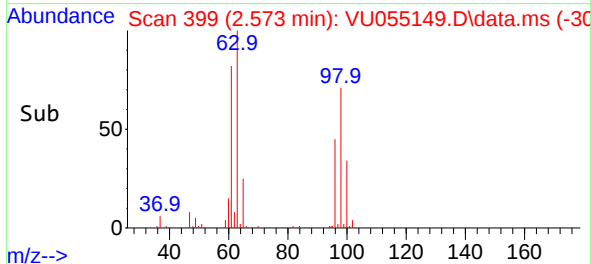
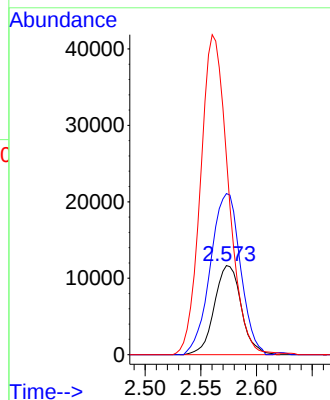
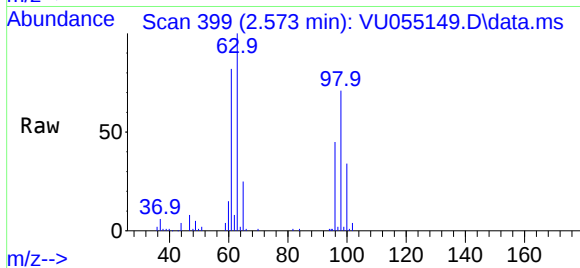




#12
1,1-Dichloroethene
Concen: 2.443 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

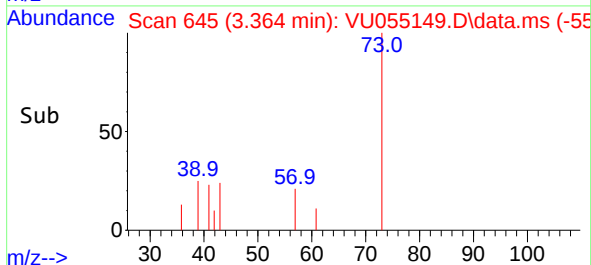
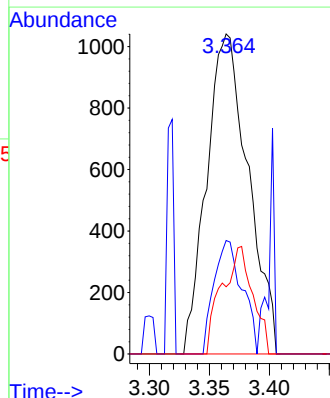
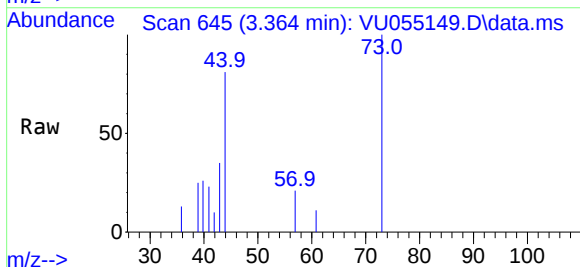
Instrument :
MSVOA_U
ClientSampleId :
BH4B7

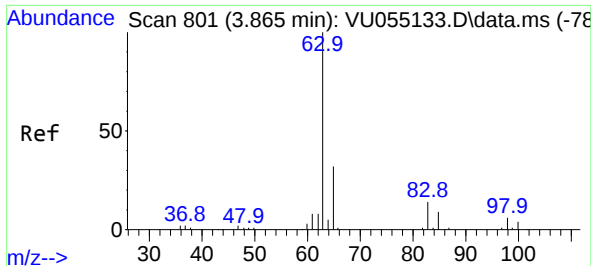
Tgt Ion: 96 Resp: 19579
Ion Ratio Lower Upper
96 100
61 180.8 120.8 224.4
63 221.8 94.5 175.5#



#17
Methyl tert-butyl Ether
Concen: 0.119 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

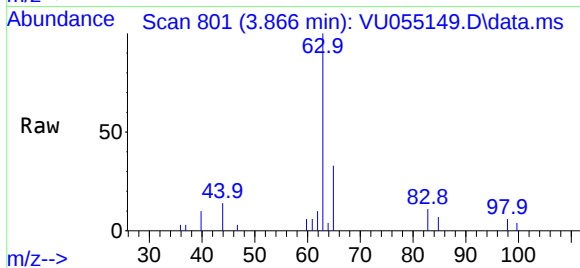
Tgt Ion: 73 Resp: 2502
Ion Ratio Lower Upper
73 100
43 24.2 16.2 24.2
57 24.9 17.4 26.2



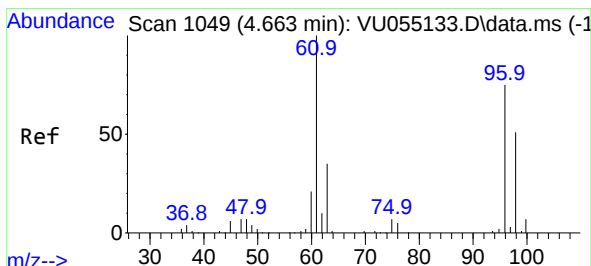
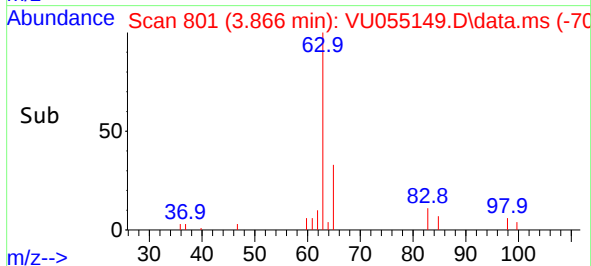
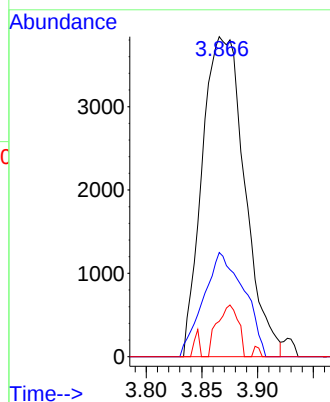


#19
1,1-Dichloroethane
Concen: 0.580 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

Instrument :
MSVOA_U
ClientSampleId :
BH4B7

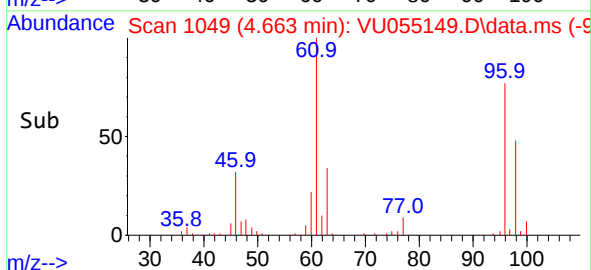
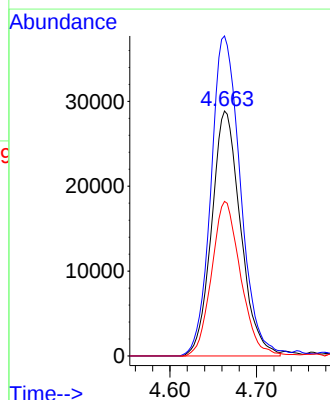
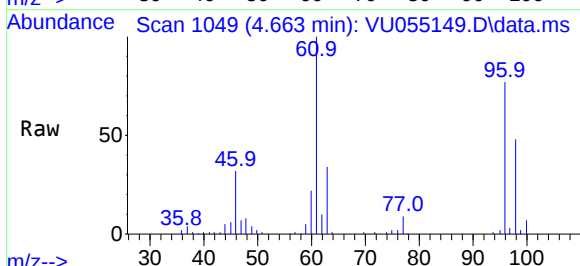


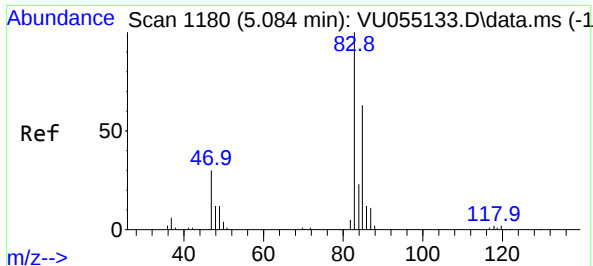
Tgt Ion: 63 Resp: 10185
Ion Ratio Lower Upper
63 100
65 32.6 22.2 41.2
83 11.0 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 6.727 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

Tgt Ion: 96 Resp: 66954
Ion Ratio Lower Upper
96 100
61 130.6 97.2 180.4
98 63.1 46.1 85.7

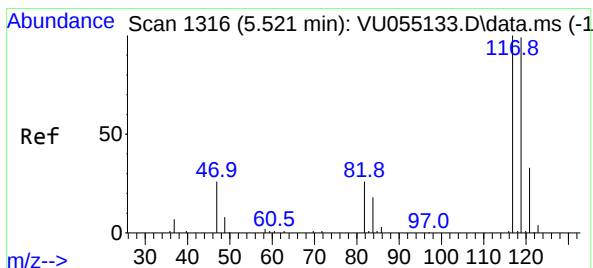
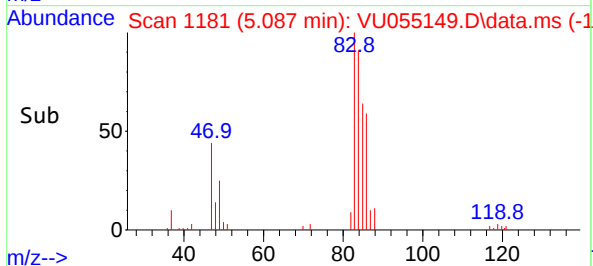
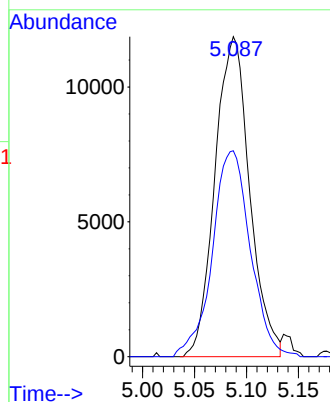
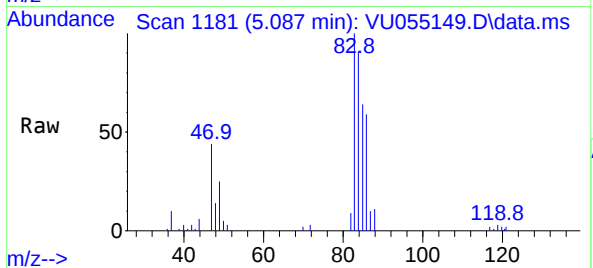




#25
Chloroform
Concen: 1.506 ug/L
RT: 5.087 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

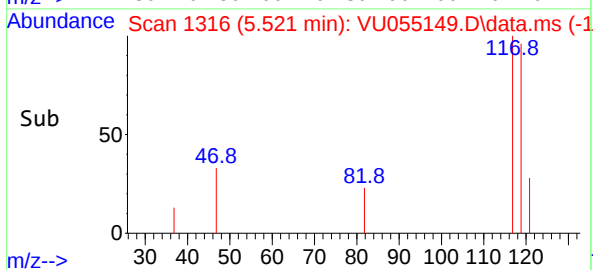
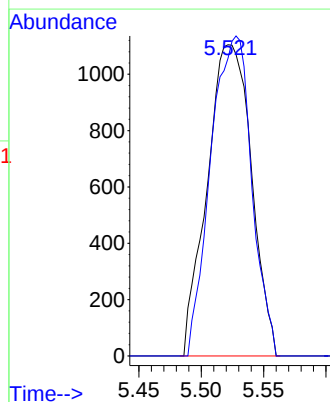
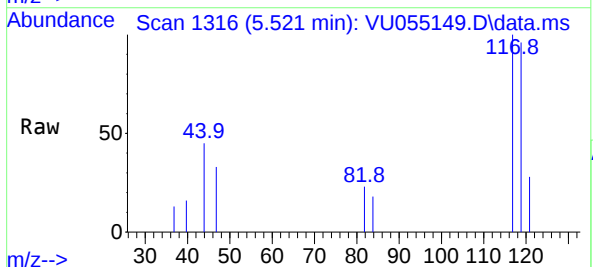
Instrument :
MSVOA_U
ClientSampleId :
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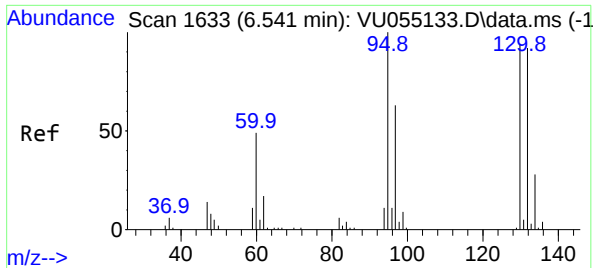
Tgt Ion: 83 Resp: 27561
Ion Ratio Lower Upper
83 100
85 64.4 47.2 87.6



#31
Carbon tetrachloride
Concen: 0.210 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

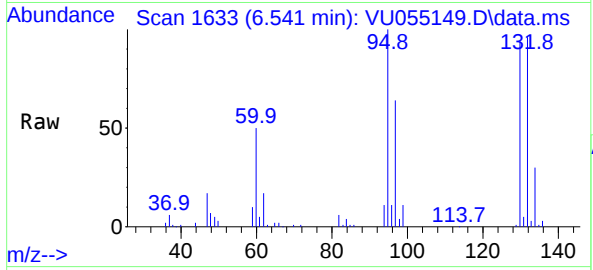
Tgt Ion: 117 Resp: 2732
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0





#34
Trichloroethene
Concen: 5.802 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
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Tgt Ion: 95 Resp: 62201

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.7	83.1
132	96.0	66.6	123.6
130	94.5	66.5	123.5

