

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 :

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)

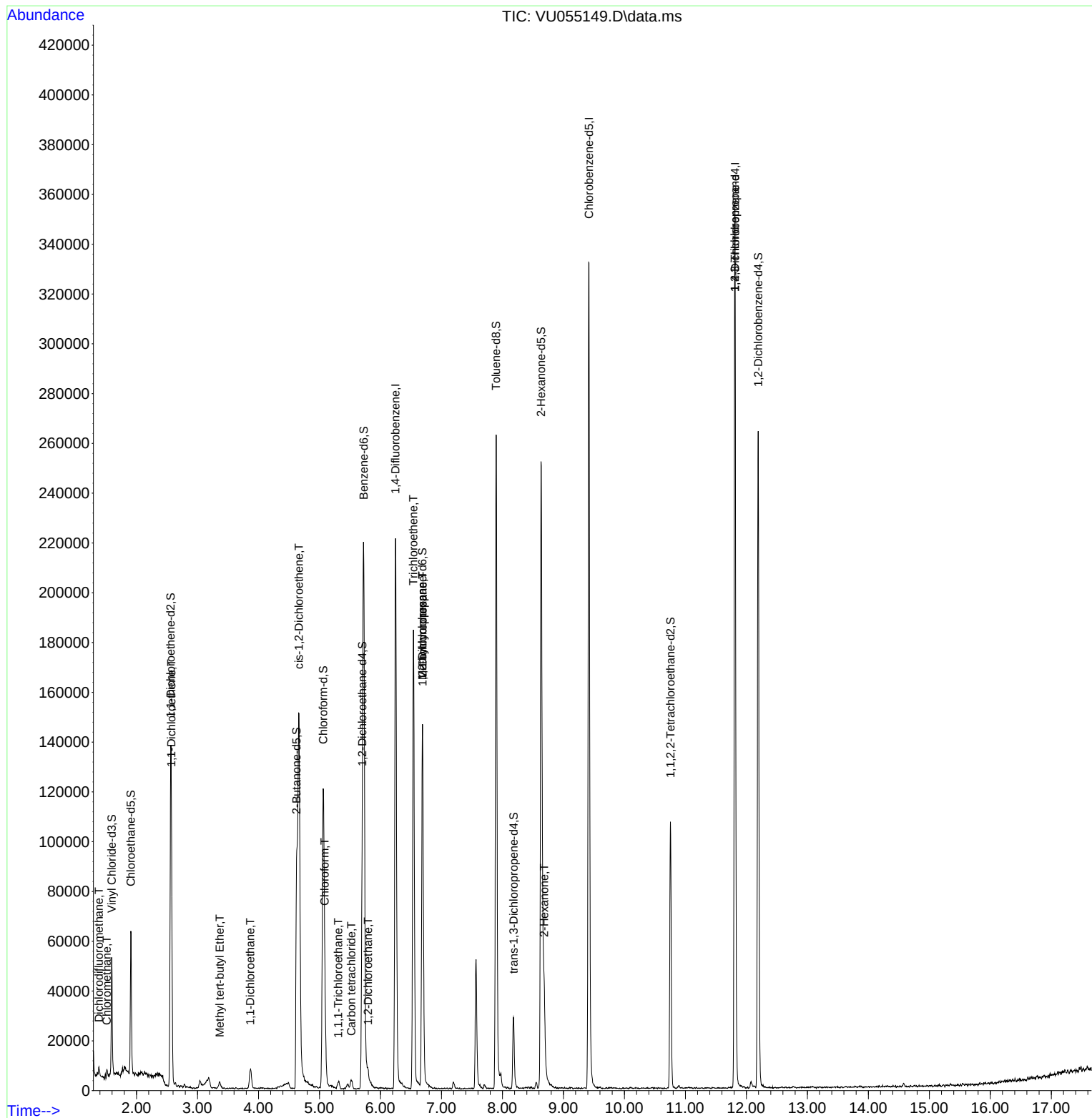
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	173341	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	181255	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	91281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32586	4.011	ug/L	0.00
Spiked Amount	5.000	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						
					Qvalue	
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
27) 1,2-Dichloroethane	5.798	62	2512	0.225	ug/L #	88
29) 1,1,1-Trichloroethane	5.309	97	2446	0.156	ug/L #	69
31) Carbon tetrachloride	5.521	117	2732	0.210	ug/L	99
34) Trichloroethene	6.541	95	62201	5.802	ug/L	99
35) Methylcyclohexane	6.689	83	14945	0.994	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	7698	0.733	ug/L #	88
48) 2-Hexanone	8.685	43	19992	4.260	ug/L #	91
61) 1,2,3-Trichloropropane	11.811	75	13067	2.157	ug/L #	70

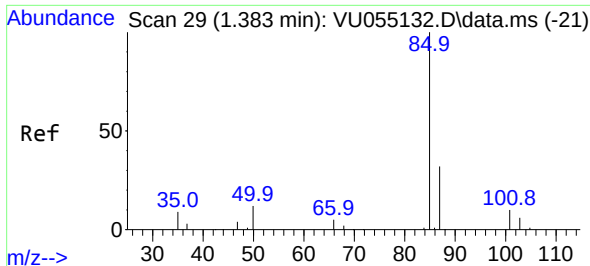
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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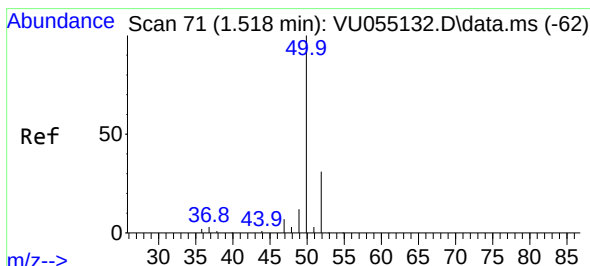
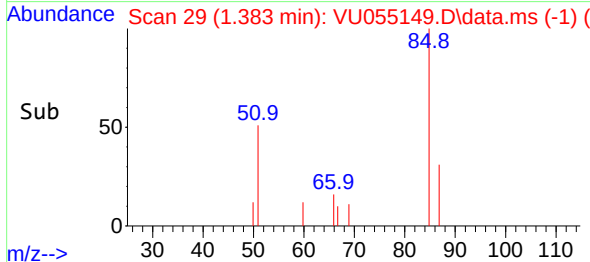
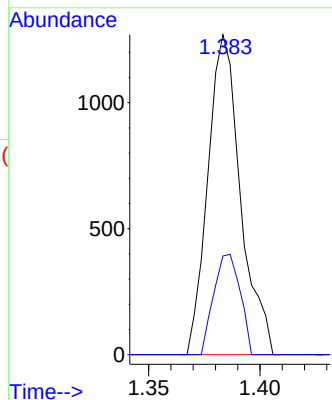
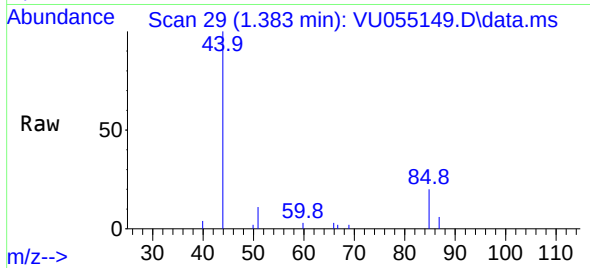




#2
 Dichlorodifluoromethane
 Concen: 0.128 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055149.D
 Acq: 06 Sep 2023 18:47

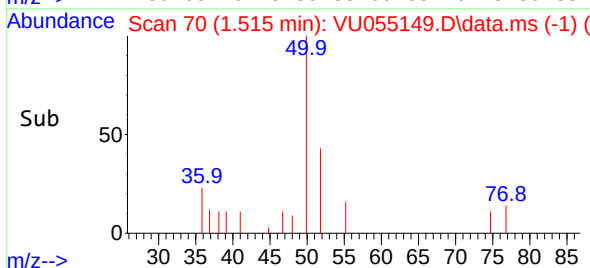
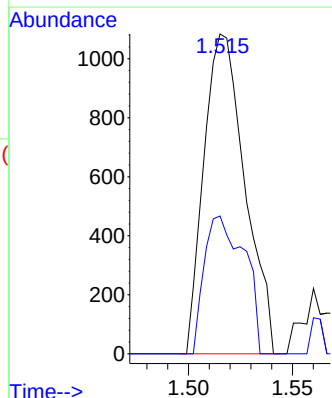
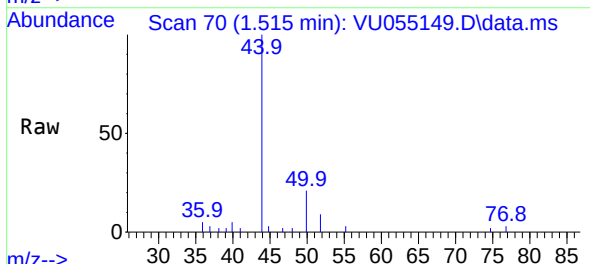
Instrument :
 MSVOA_U
 ClientSampleId :

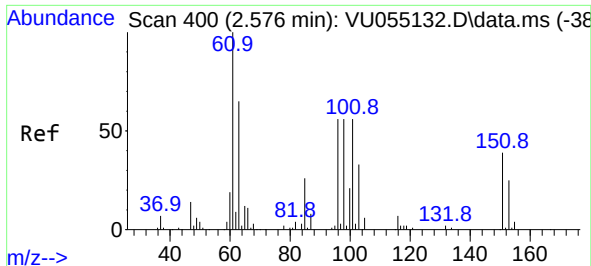
Tgt Ion: 85 Resp: 1293
 Ion Ratio Lower Upper
 85 100
 87 25.3 25.1 37.7



#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

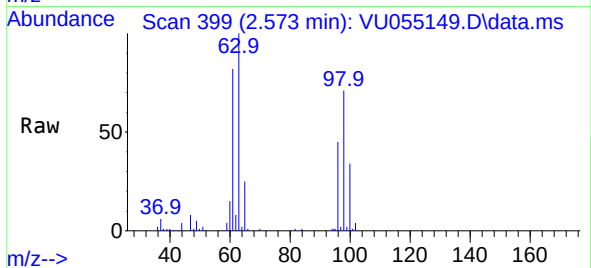
Lab File: VU055149.D

Acq: 06 Sep 2023 18:47

Instrument :

MSVOA_U

ClientSampleId :



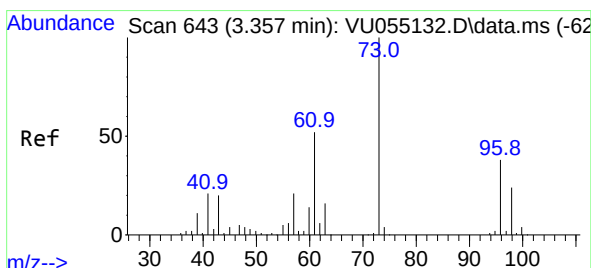
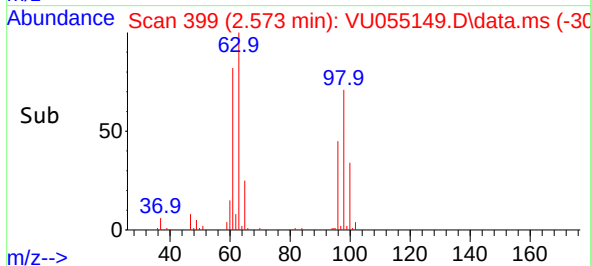
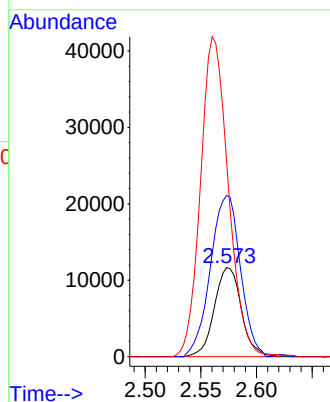
Tgt Ion: 96 Resp: 19579

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

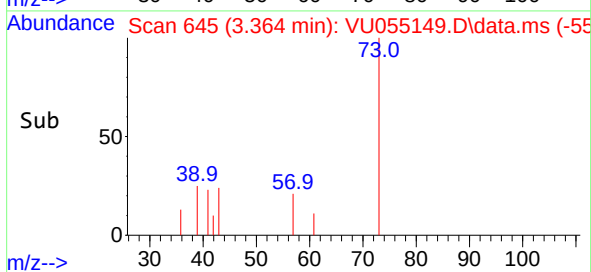
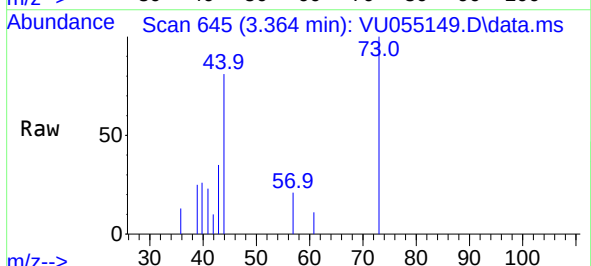
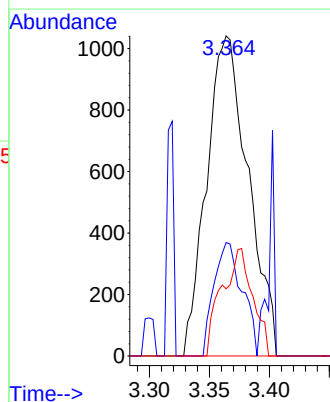
Tgt Ion: 73 Resp: 2502

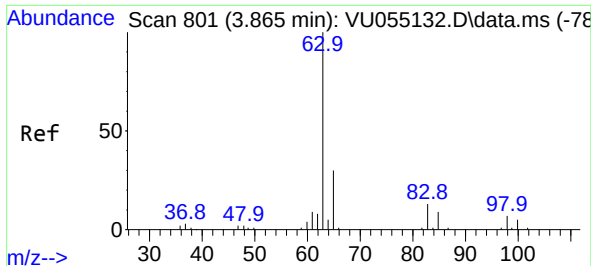
Ion Ratio Lower Upper

73 100

43 24.2 16.2 24.2

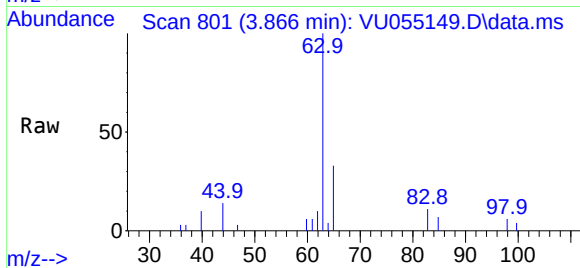
57 24.9 17.4 26.2



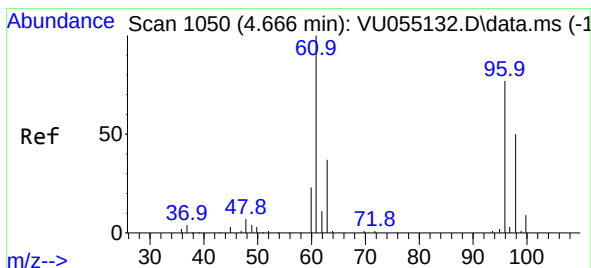
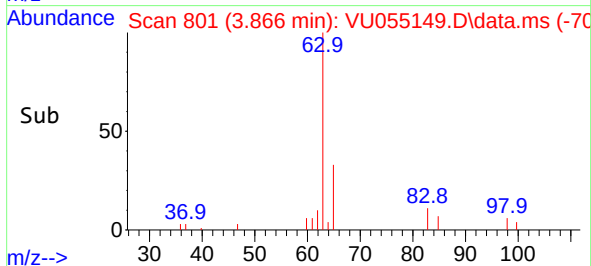
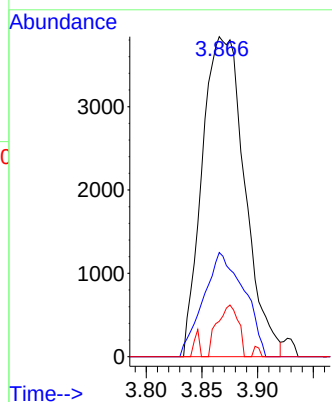


#19
1,1-Dichloroethane
Concen: 0.580 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

Instrument :
MSVOA_U
ClientSampleId :

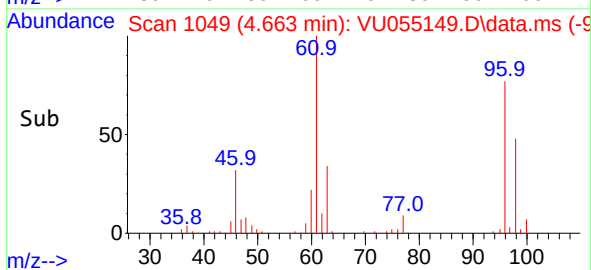
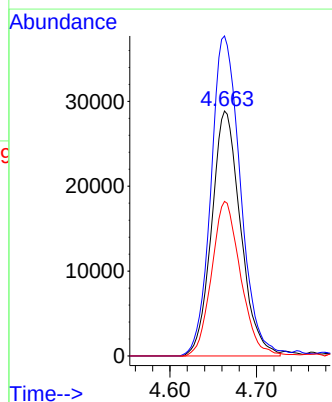
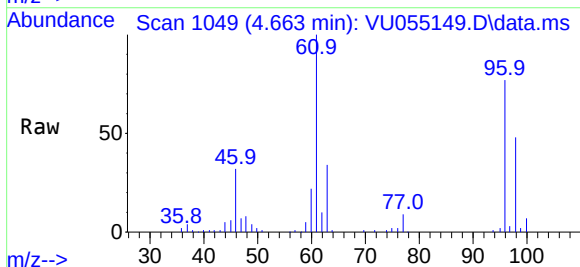


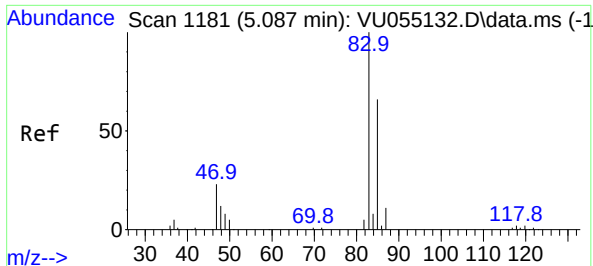
Tgt Ion: 63 Resp: 10185
Ion Ratio Lower Upper
63 100
65 32.6 22.2 41.2
83 11.0 10.6 19.8



#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

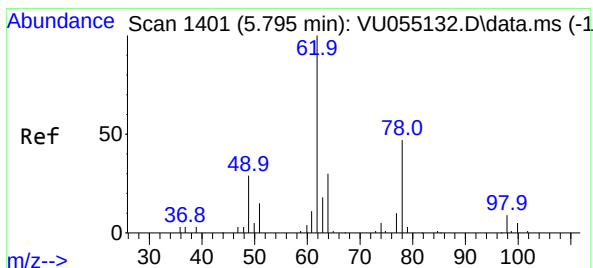
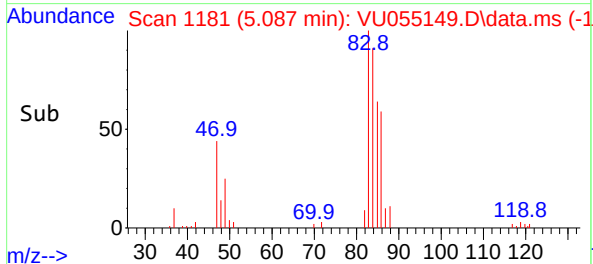
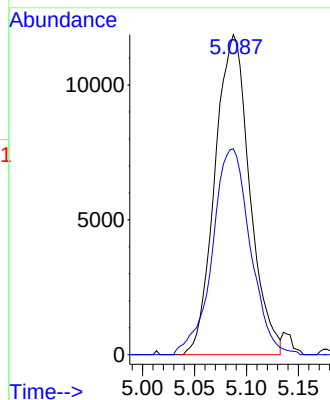
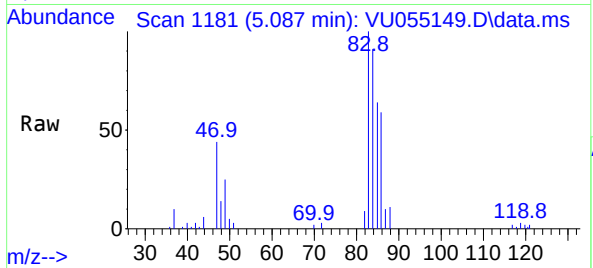




#25
Chloroform
Concen: 1.506 ug/L
RT: 5.087 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

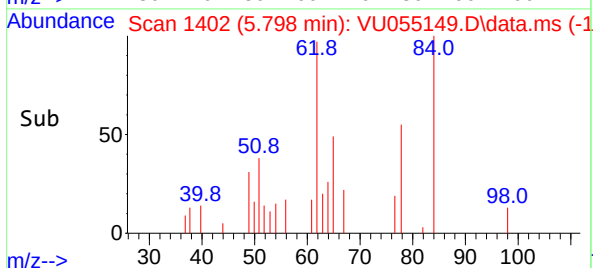
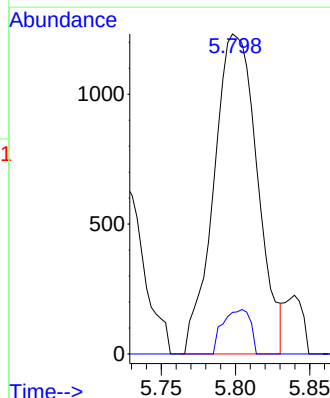
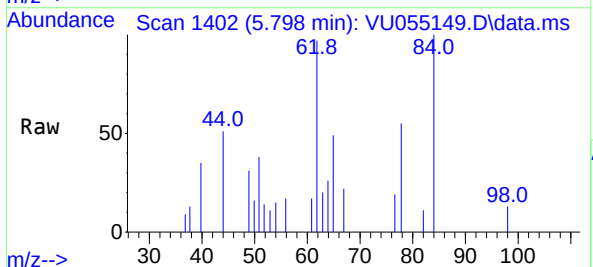
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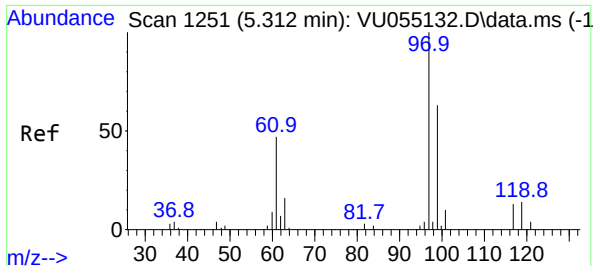
Tgt Ion: 83 Resp: 27561
Ion Ratio Lower Upper
83 100
85 64.4 47.2 87.6



#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

Tgt Ion: 62 Resp: 2512
Ion Ratio Lower Upper
62 100
98 13.0 6.9 10.3#

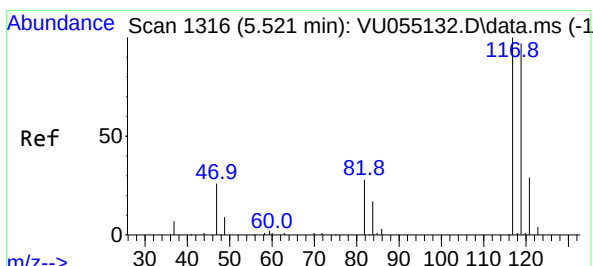
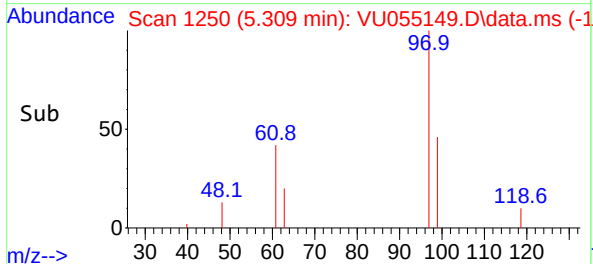
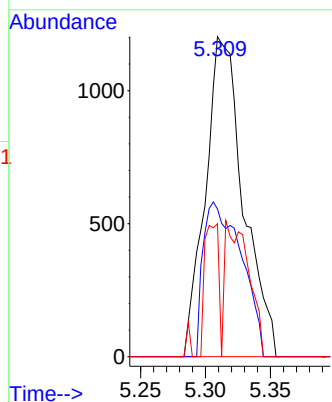
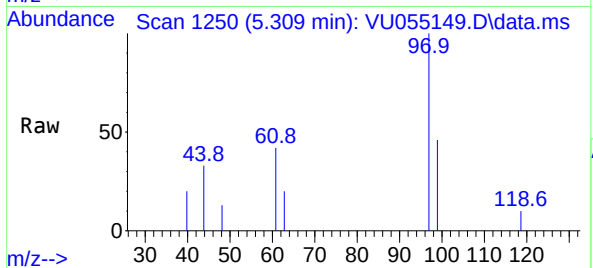




#29
1,1,1-Trichloroethane
Concen: 0.156 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

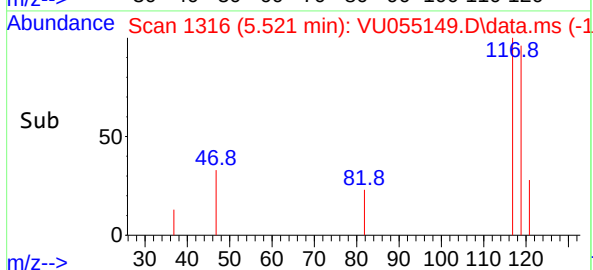
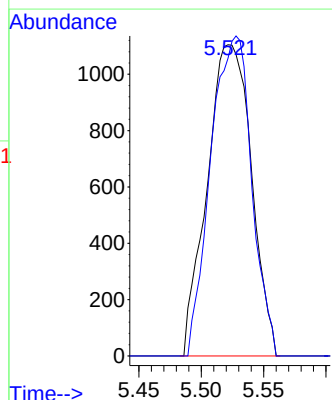
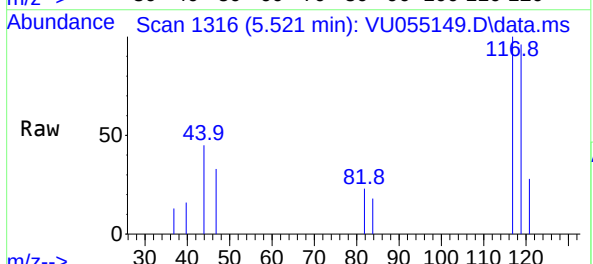
Instrument :
MSVOA_U
ClientSampleId :

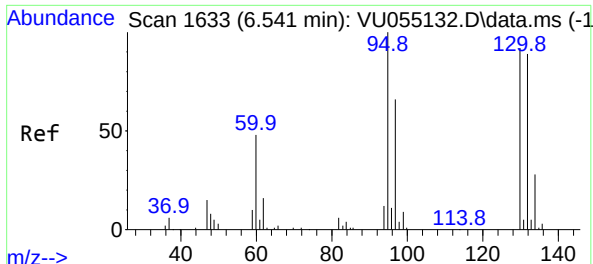
Tgt Ion: 97 Resp: 2446
Ion Ratio Lower Upper
97 100
99 48.6 51.8 77.8#
61 15.2 36.8 55.2#



#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

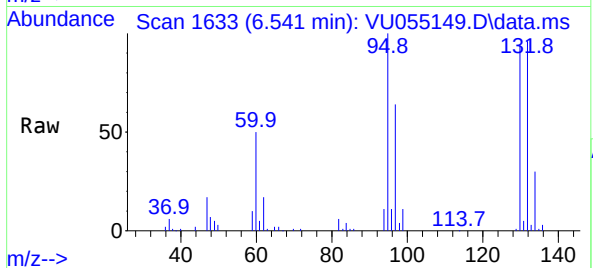
Tgt Ion: 117 Resp: 2732
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0



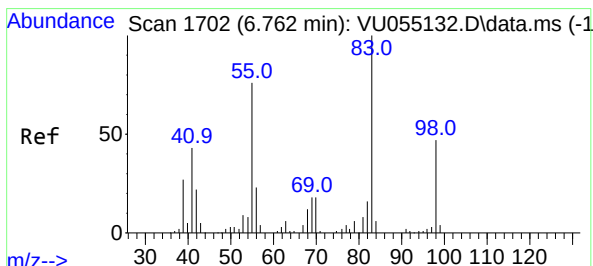
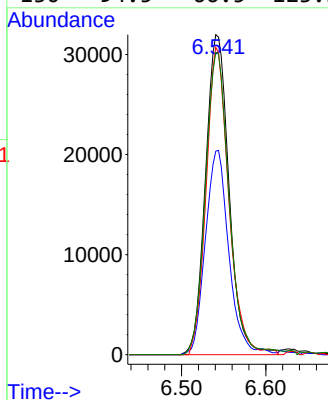
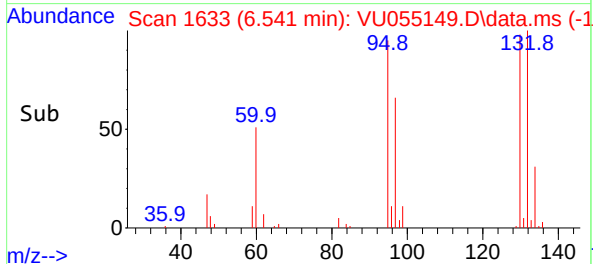


#34
Trichloroethene
Concen: 5.802 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

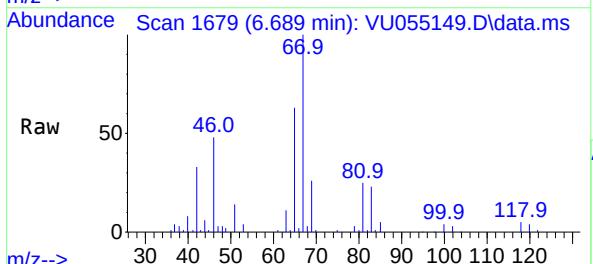
Instrument :
MSVOA_U
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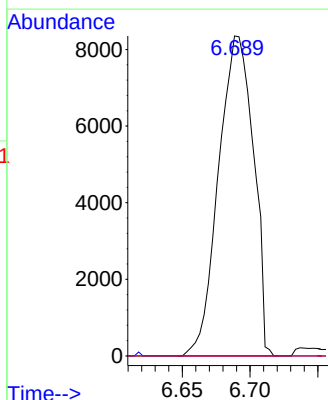
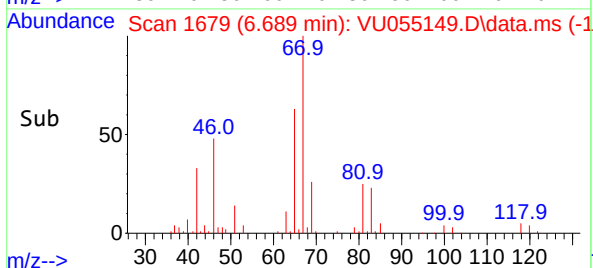
Tgt Ion: 95 Resp: 62201
Ion Ratio Lower Upper
95 100
97 63.6 44.7 83.1
132 96.0 66.6 123.6
130 94.5 66.5 123.5

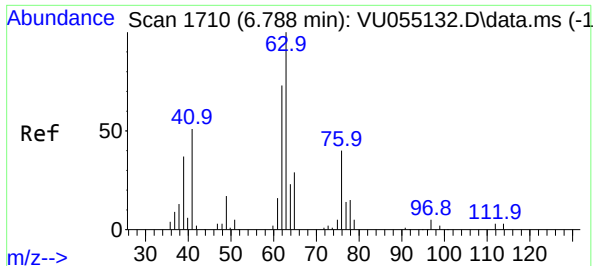


#35
Methylcyclohexane
Concen: 0.994 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47



Tgt Ion: 83 Resp: 14945
Ion Ratio Lower Upper
83 100
55 0.1 60.4 90.6#
98 0.0 35.3 52.9#

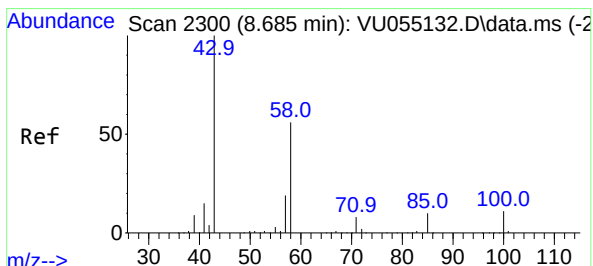
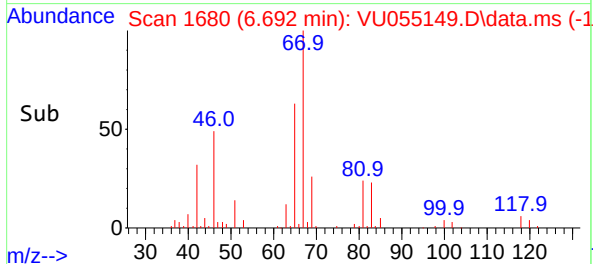
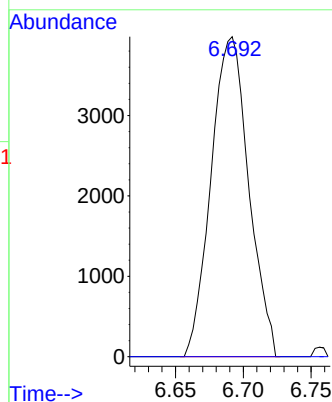
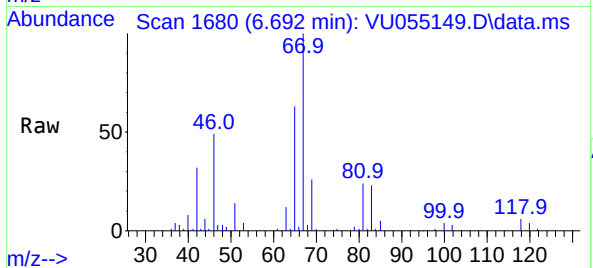




#37
1,2-Dichloropropane
Concen: 0.733 ug/L
RT: 6.692 min Scan# 11
Delta R.T. -0.096 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

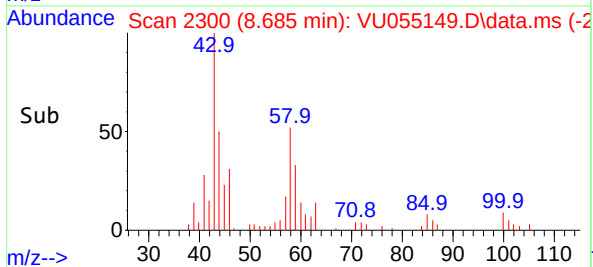
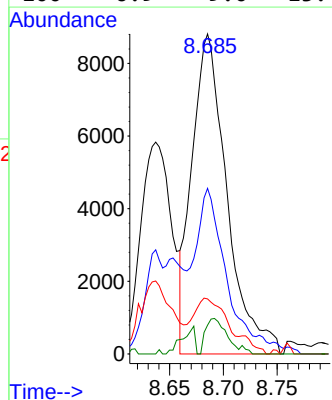
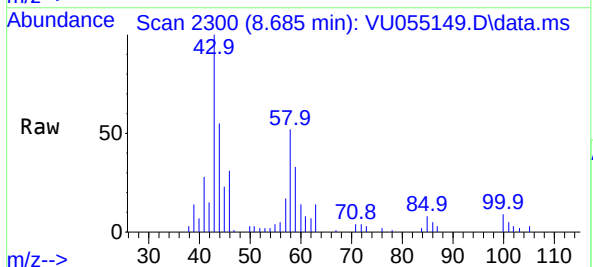
Instrument :
MSVOA_U
ClientSampleId :

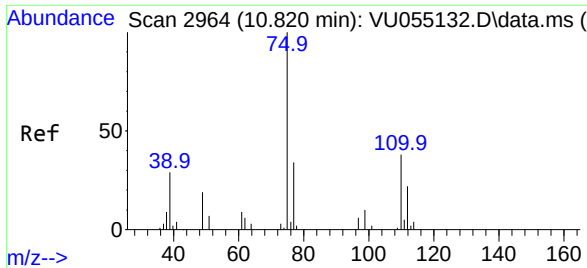
Tgt Ion: 63 Resp: 7698
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#48
2-Hexanone
Concen: 4.260 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055149.D
Acq: 06 Sep 2023 18:47

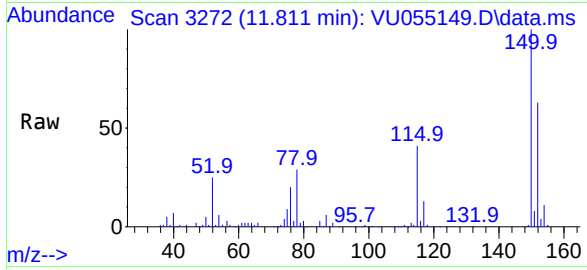
Tgt Ion: 43 Resp: 19992
Ion Ratio Lower Upper
43 100
58 47.1 44.0 66.0
57 18.8 16.2 24.2
100 6.9 9.0 13.4#





#61
 1,2,3-Trichloropropane
 Concen: 2.157 ug/L
 RT: 11.811 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055149.D
 Acq: 06 Sep 2023 18:47

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 13067
 Ion Ratio Lower Upper
 75 100
 110 2.8 28.2 42.2#
 77 34.7 26.2 39.4

