

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055058.D
 Acq On : 01 Sep 2023 22:22
 Operator : MD/SY
 Sample : 04230-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 23:51:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:46:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	184590	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	185890	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	98753	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	41821	4.834	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.600%
7) Chloroethane-d5	1.911	69	48494	4.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.563	65	24055	4.880	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.624	46	151488	60.340	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.680%
24) Chloroform-d	5.058	84	118981	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.698	65	63065	5.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	5.724	84	235336	5.129	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.688	67	75637	5.183	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.894	98	208380	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	8.177	79	19303	4.803	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.630	63	88128	54.011	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.020%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	56249	5.480	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	74195	5.147	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	2067	0.193	ug/L	97
12) 1,1-Dichloroethene	2.576	96	21245	2.489	ug/L #	46
17) Methyl tert-butyl Ether	3.361	73	3225	0.144	ug/L #	80
19) 1,1-Dichloroethane	3.865	63	17539	0.937	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	222832	21.025	ug/L	97
25) Chloroform	5.084	83	58599	3.007	ug/L	96
27) 1,2-Dichloroethane	5.798	62	2324	0.195	ug/L #	76
29) 1,1,1-Trichloroethane	5.316	97	2878	0.179	ug/L #	76
31) Carbon tetrachloride	5.515	117	3118	0.233	ug/L #	52
34) Trichloroethene	6.541	95	120275	10.939	ug/L	97
35) Methylcyclohexane	6.685	83	17487	1.134	ug/L #	19
37) 1,2-Dichloropropane	6.688	63	8991	0.835	ug/L #	88
39) cis-1,3-Dichloropropene	7.563	75	1674	0.114	ug/L #	58
47) Tetrachloroethene	8.550	164	1620	0.213	ug/L #	76
48) 2-Hexanone	8.682	43	22383	4.651	ug/L #	84
49) Dibromochloromethane	8.553	129	1496	0.189	ug/L #	9
61) 1,2,3-Trichloropropane	11.810	75	13588	2.073	ug/L #	69

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Response via : Initial Calibration

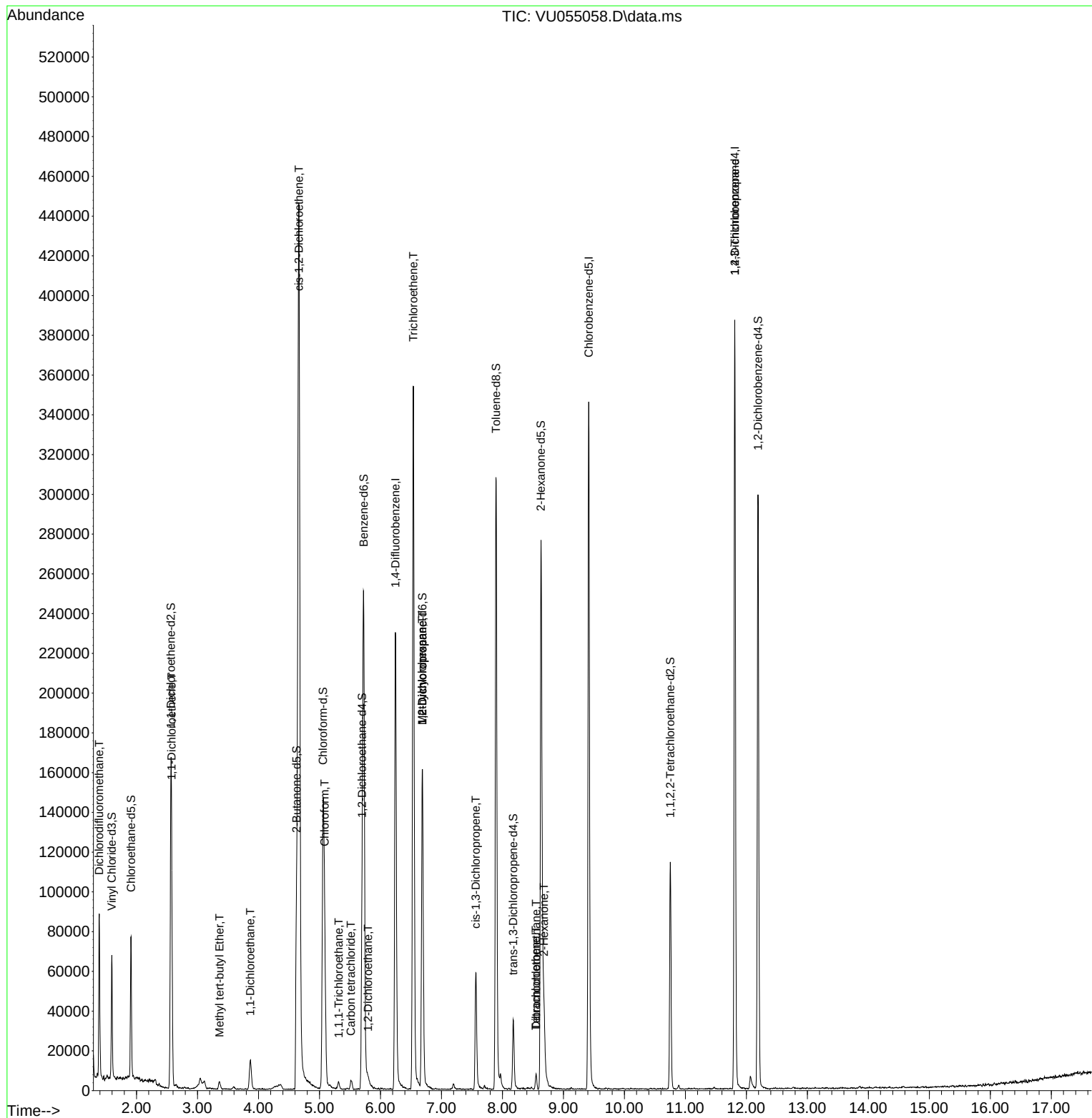
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

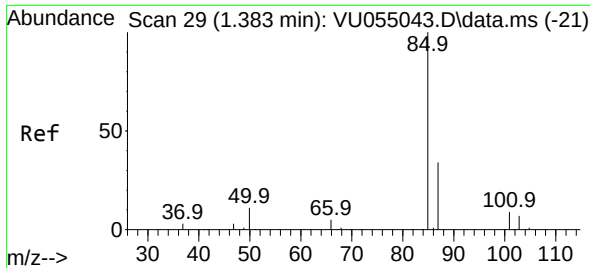
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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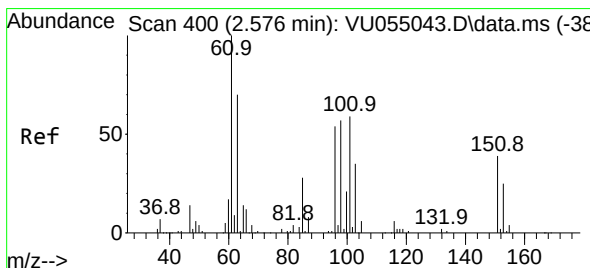
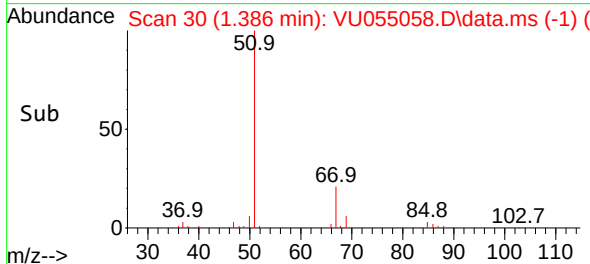
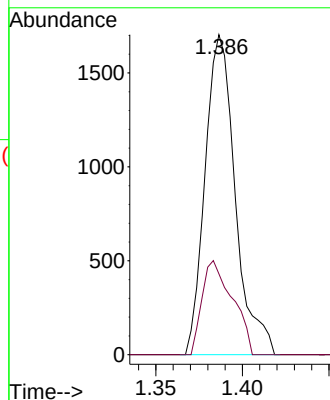
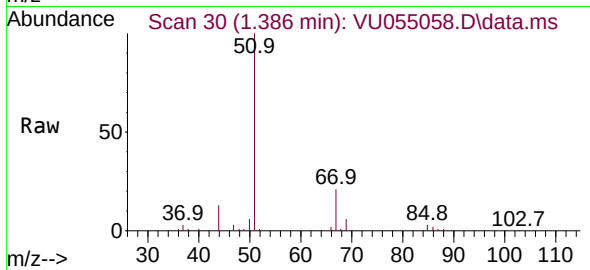




#2
 Dichlorodifluoromethane
 Concen: 0.193 ug/L
 RT: 1.386 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VU055058.D
 Acq: 01 Sep 2023 22:22

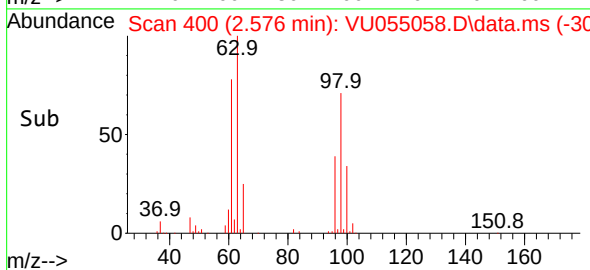
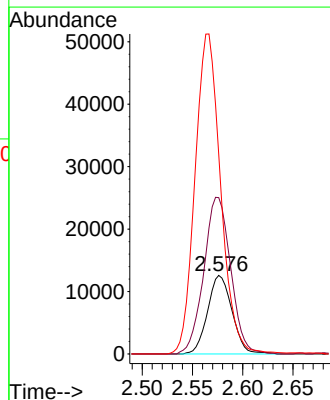
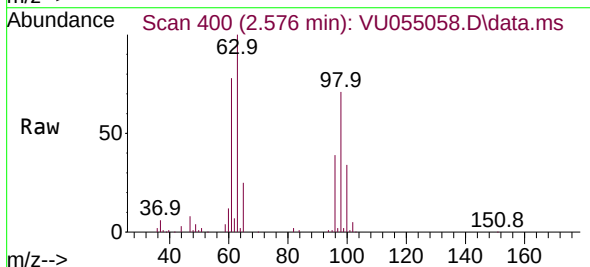
Instrument :
 MSVOA_U
 ClientSampleId :

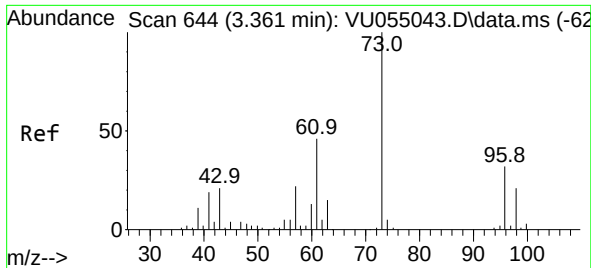
Tgt Ion: 85 Resp: 2067
 Ion Ratio Lower Upper
 85 100
 87 29.7 25.1 37.7



#12
 1,1-Dichloroethene
 Concen: 2.489 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055058.D
 Acq: 01 Sep 2023 22:22

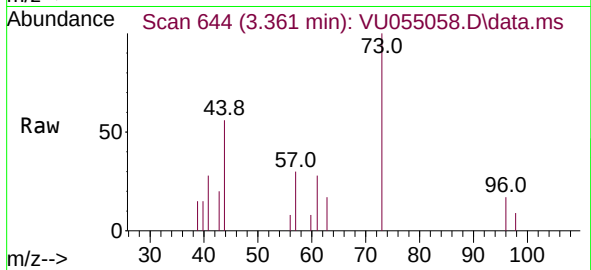
Tgt Ion: 96 Resp: 21245
 Ion Ratio Lower Upper
 96 100
 61 199.0 120.8 224.4
 63 253.5 94.5 175.5#



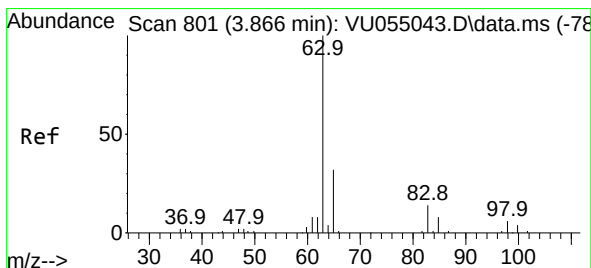
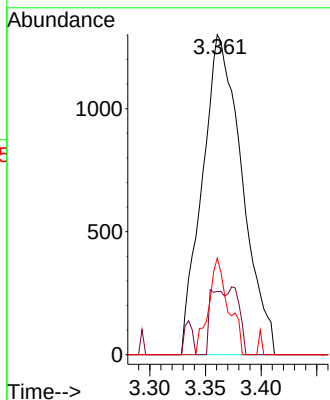
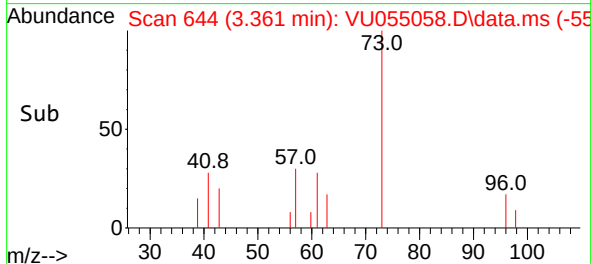


#17
Methyl tert-butyl Ether
Concen: 0.144 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

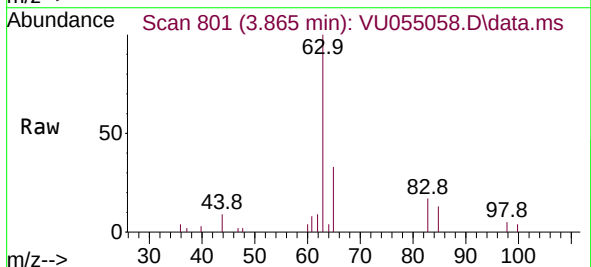
Instrument :
MSVOA_U
ClientSampleId :



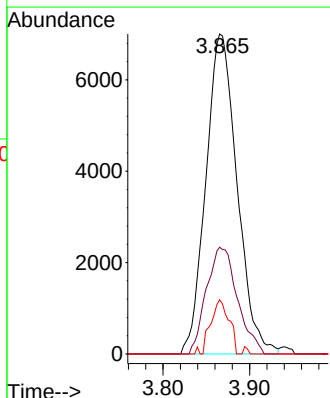
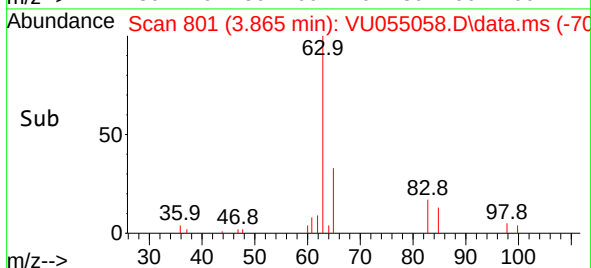
Tgt Ion: 73 Resp: 3225
Ion Ratio Lower Upper
73 100
43 7.6 16.2 24.2#
57 15.1 17.4 26.2#

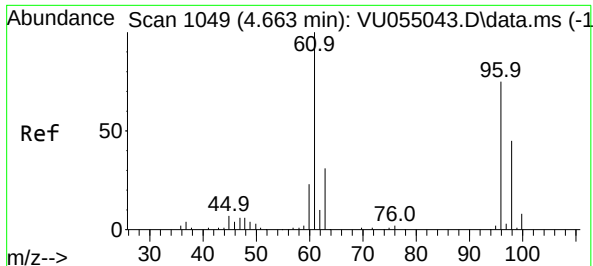


#19
1,1-Dichloroethane
Concen: 0.937 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22



Tgt Ion: 63 Resp: 17539
Ion Ratio Lower Upper
63 100
65 33.4 22.2 41.2
83 16.9 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 21.025 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055058.D

Acq: 01 Sep 2023 22:22

Instrument :

MSVOA_U

ClientSampleId :

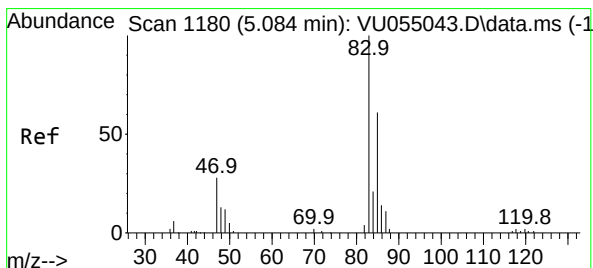
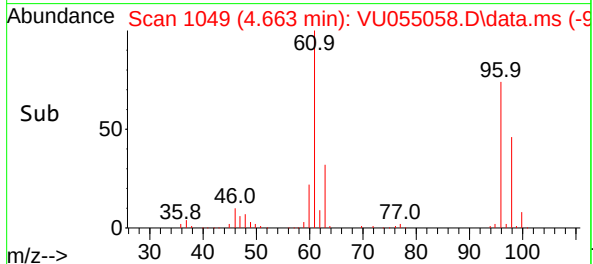
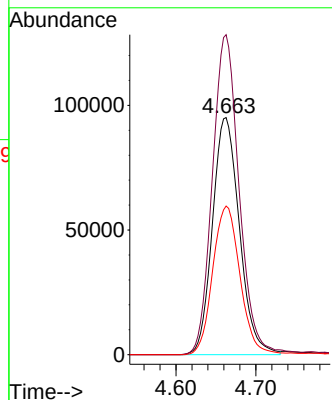
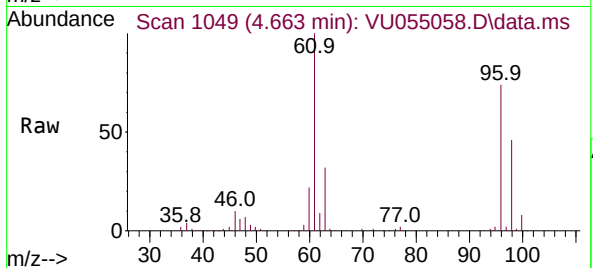
Tgt Ion: 96 Resp: 222832

Ion Ratio Lower Upper

96 100

61 134.9 97.2 180.4

98 62.7 46.1 85.7



#25

Chloroform

Concen: 3.007 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055058.D

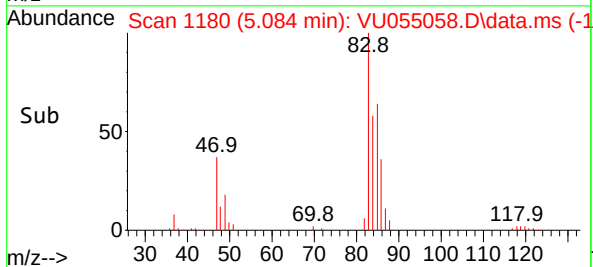
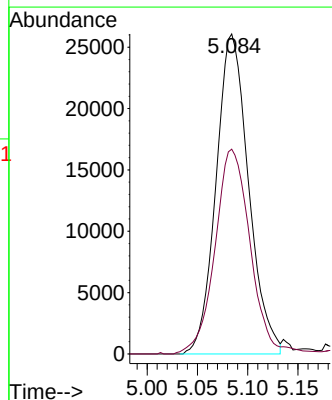
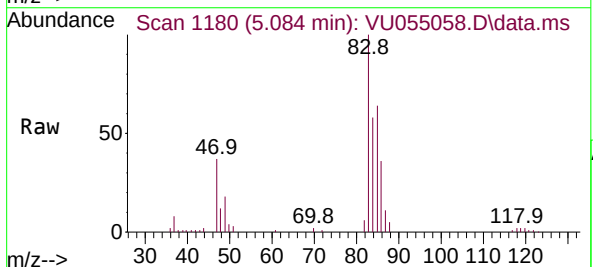
Acq: 01 Sep 2023 22:22

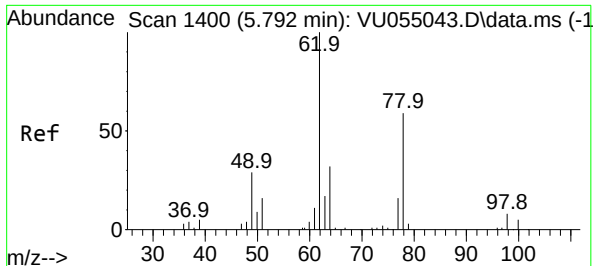
Tgt Ion: 83 Resp: 58599

Ion Ratio Lower Upper

83 100

85 64.0 47.2 87.6

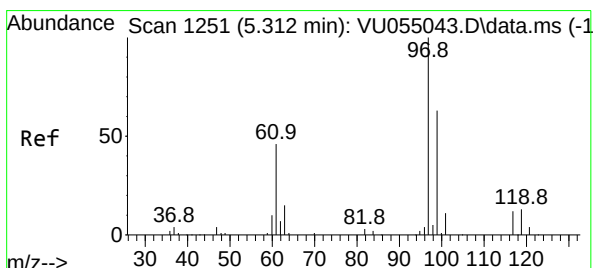
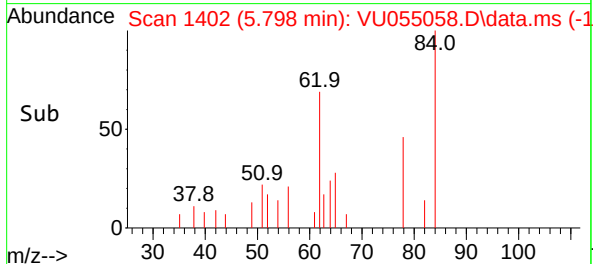
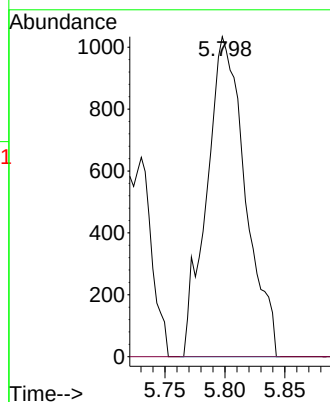
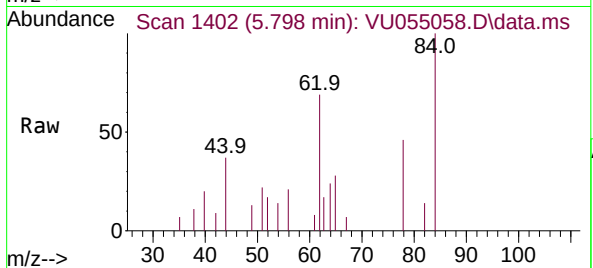




#27
1,2-Dichloroethane
Concen: 0.195 ug/L
RT: 5.798 min Scan# 1400
Delta R.T. 0.006 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

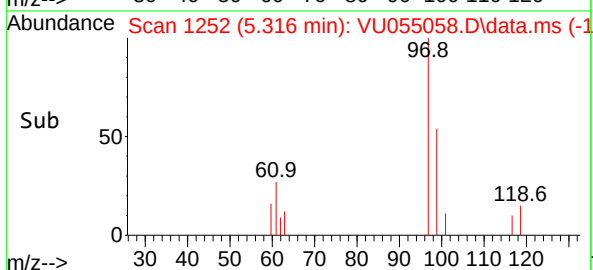
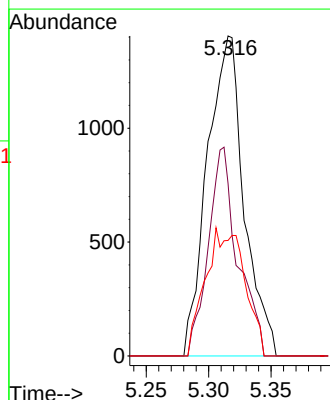
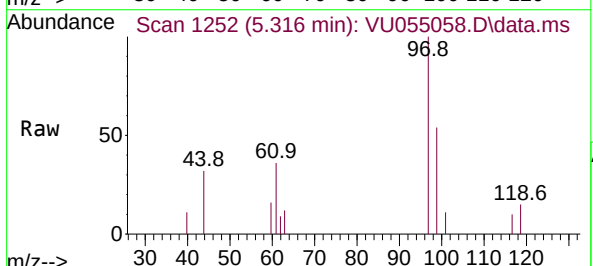
Instrument :
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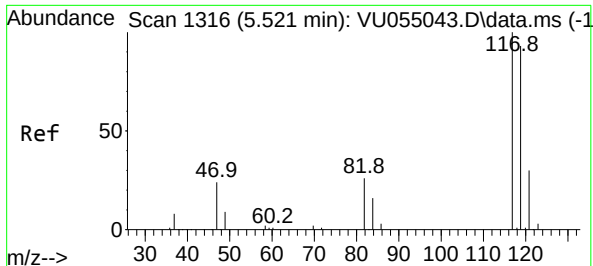
Tgt Ion: 62 Resp: 2324
Ion Ratio Lower Upper
62 100
98 0.0 6.9 10.3#



#29
1,1,1-Trichloroethane
Concen: 0.179 ug/L
RT: 5.316 min Scan# 1252
Delta R.T. 0.003 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

Tgt Ion: 97 Resp: 2878
Ion Ratio Lower Upper
97 100
99 52.5 51.8 77.8
61 21.6 36.8 55.2#

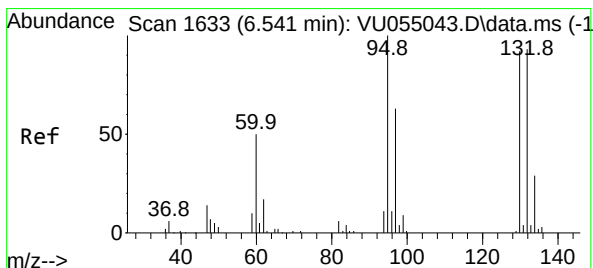
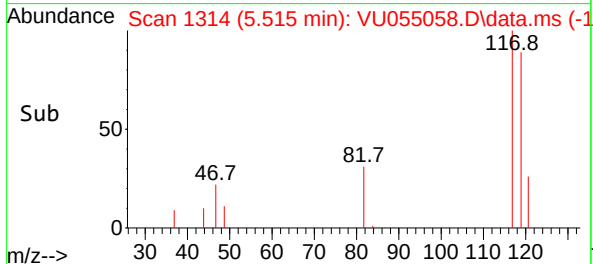
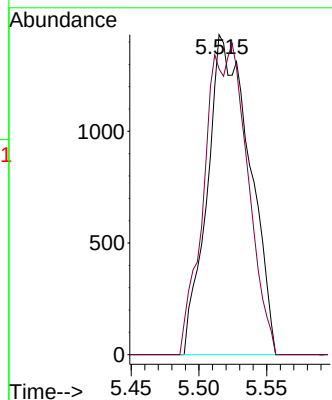
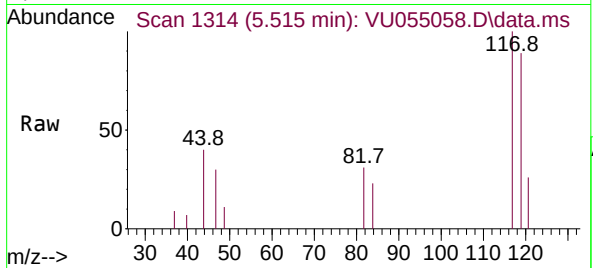




#31
Carbon tetrachloride
Concen: 0.233 ug/L
RT: 5.515 min Scan# 1117
Delta R.T. -0.007 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

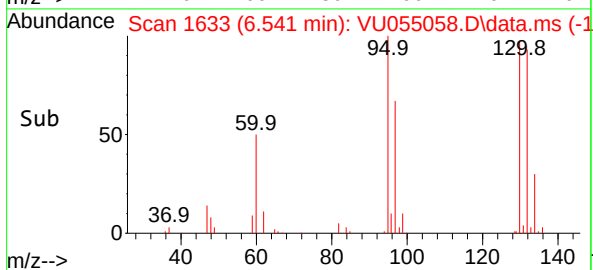
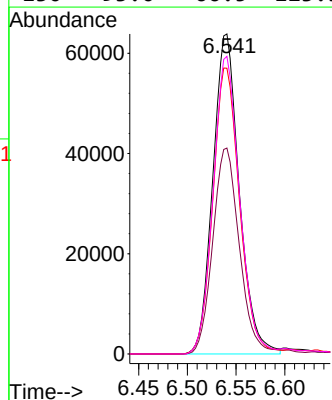
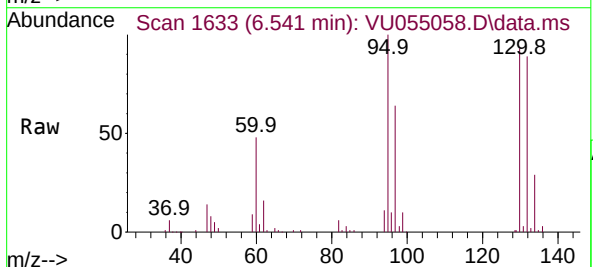
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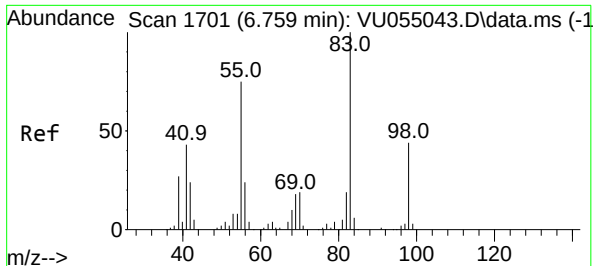
Tgt Ion:117 Resp: 3118
Ion Ratio Lower Upper
117 100
119 47.9 75.4 113.0#



#34
Trichloroethene
Concen: 10.939 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

Tgt Ion: 95 Resp: 120275
Ion Ratio Lower Upper
95 100
97 64.4 44.7 83.1
132 89.3 66.6 123.6
130 93.0 66.5 123.5





#35

Methylcyclohexane

Concen: 1.134 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055058.D

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Instrument :

MSVOA_U

ClientSampleId :

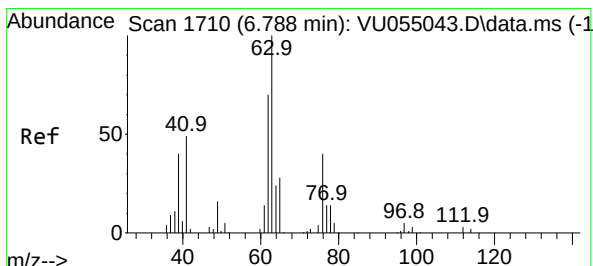
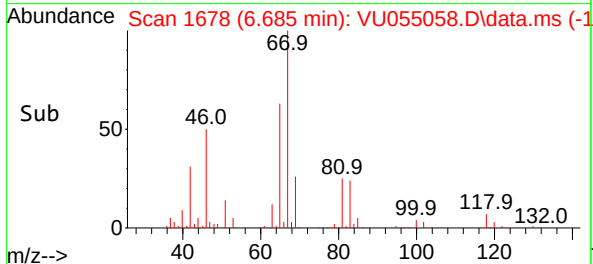
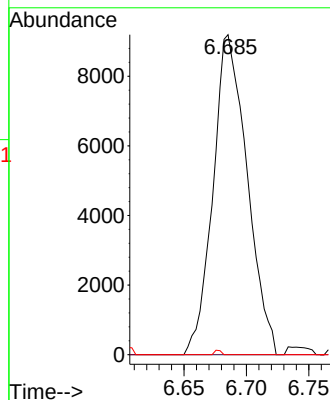
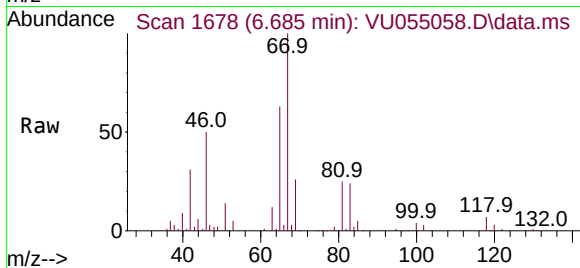
Tgt Ion: 83 Resp: 17487

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

98 0.0 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.835 ug/L

RT: 6.688 min Scan# 1679

Delta R.T. -0.100 min

Lab File: VU055058.D

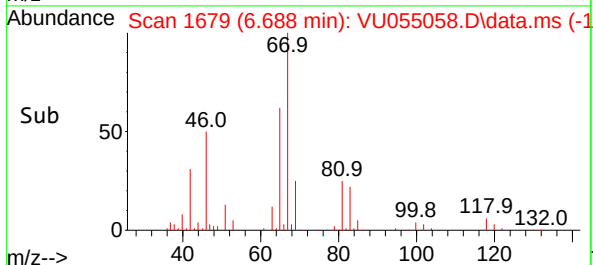
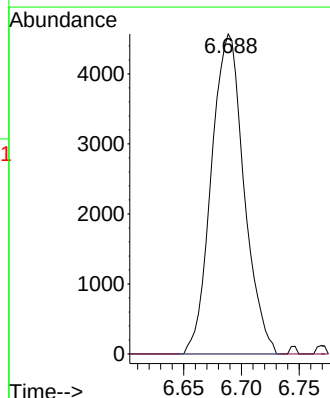
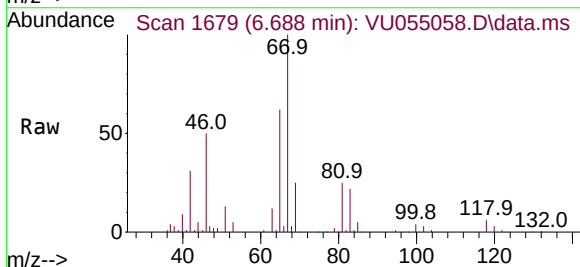
Acq: 01 Sep 2023 22:22

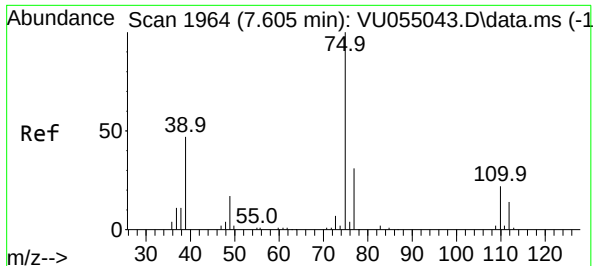
Tgt Ion: 63 Resp: 8991

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055058.D

Acq: 01 Sep 2023 22:22

Instrument :

MSVOA_U

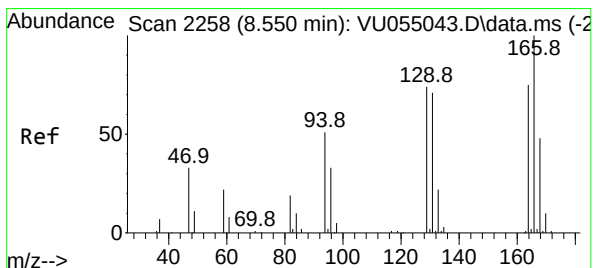
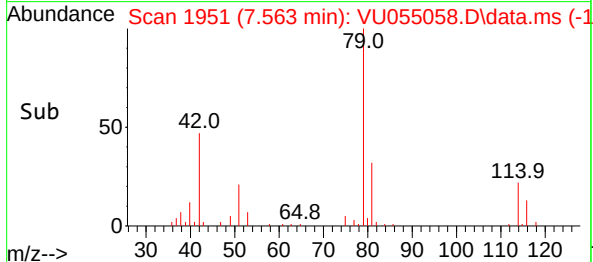
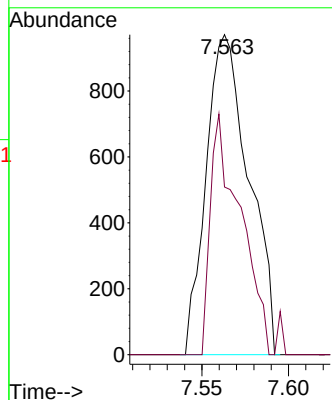
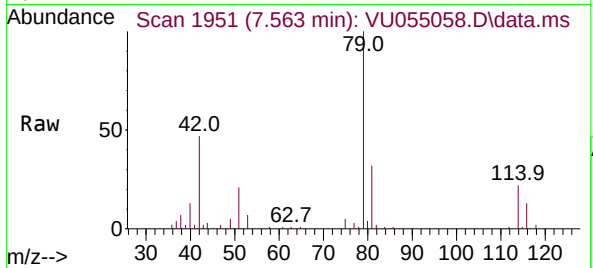
ClientSampleId :

Tgt Ion: 75 Resp: 1674

Ion Ratio Lower Upper

75 100

77 52.4 20.9 38.9#



#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055058.D

Acq: 01 Sep 2023 22:22

Tgt Ion: 164 Resp: 1620

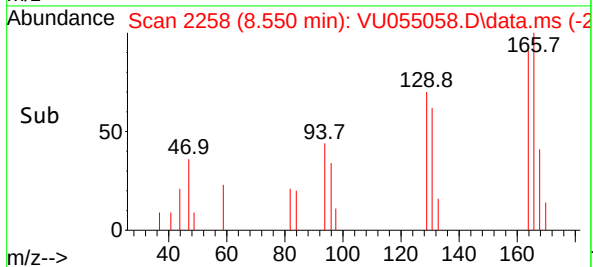
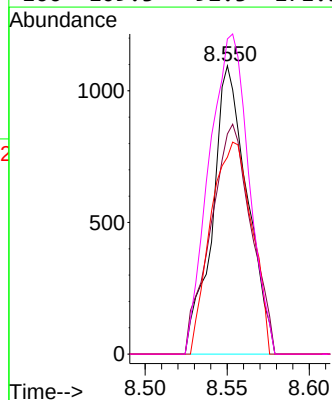
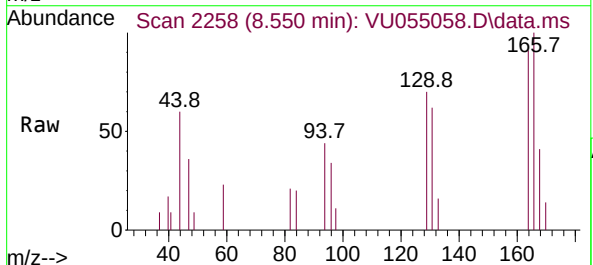
Ion Ratio Lower Upper

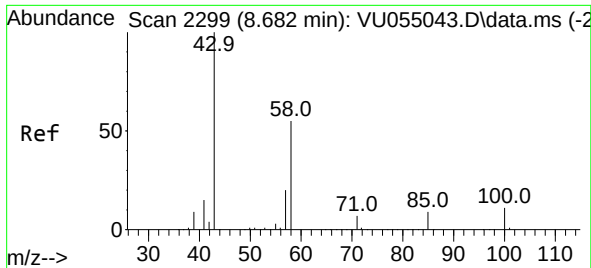
164 100

129 76.3 69.2 128.6

131 68.3 68.8 127.8#

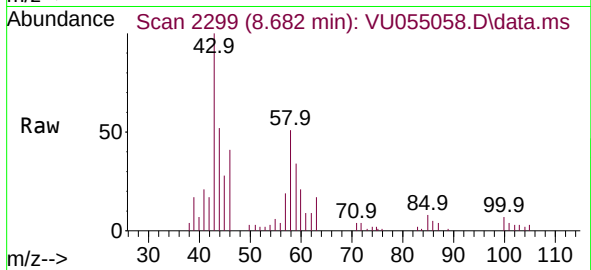
166 109.3 92.3 171.5



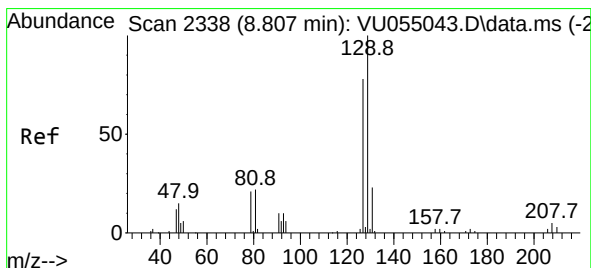
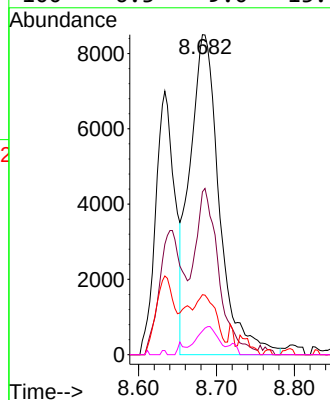
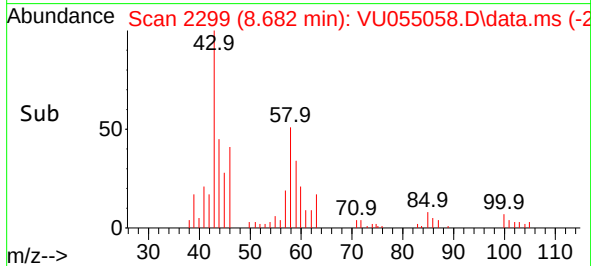


#48
2-Hexanone
Concen: 4.651 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

Instrument :
MSVOA_U
ClientSampleId :

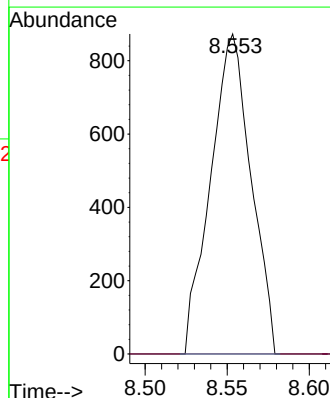
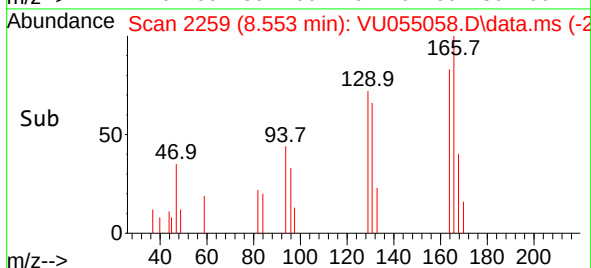
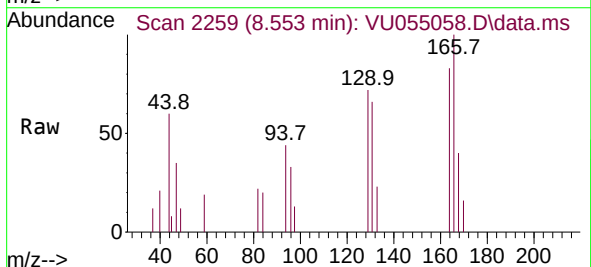


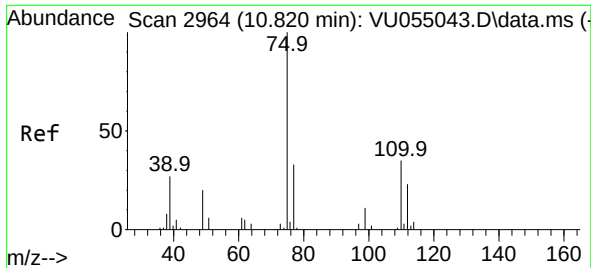
Tgt Ion:	43	Resp:	22383
Ion	Ratio	Lower	Upper
43	100		
58	42.4	44.0	66.0#
57	13.1	16.2	24.2#
100	6.3	9.0	13.4#



#49
Dibromochloromethane
Concen: 0.189 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055058.D
Acq: 01 Sep 2023 22:22

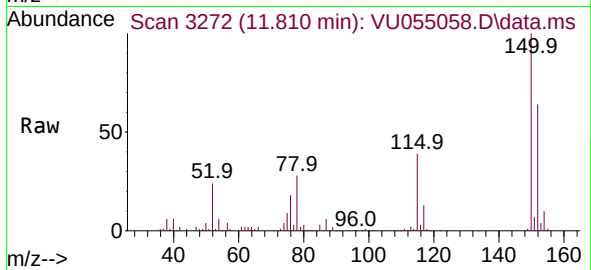
Tgt Ion:	129	Resp:	1496
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.7#





#61
 1,2,3-Trichloropropane
 Concen: 2.073 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055058.D
 Acq: 01 Sep 2023 22:22

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 13588
 Ion Ratio Lower Upper
 75 100
 110 2.3 28.2 42.2#
 77 31.3 26.2 39.4

