

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055214.D
 Acq On : 08 Sep 2023 02:56
 Operator : MD/SY
 Sample : 04307-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

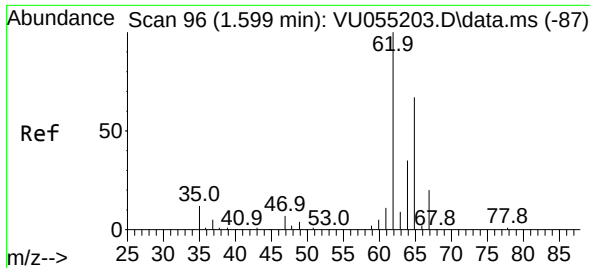
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:39:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	172305	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	177242	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	89089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25717	3.185	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.600%
7) Chloroethane-d5	1.911	69	34398	3.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.600%
11) 1,1-Dichloroethene-d2	2.563	65	16374	3.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.200%
20) 2-Butanone-d5	4.628	46	137298	58.587	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.180%
24) Chloroform-d	5.062	84	96345	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.702	65	53170	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	183854	4.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.689	67	65519	4.708	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.898	98	157811	3.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.181	79	14118	3.684	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.634	63	69536	44.696	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.400%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	50708	5.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	59341	4.563	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	1492	0.139	ug/L	88
18) trans-1,2-Dichloroethene	3.354	96	1089	0.135	ug/L #	67
22) cis-1,2-Dichloroethene	4.663	96	116040	11.729	ug/L	97
31) Carbon tetrachloride	5.525	117	11365	0.891	ug/L	97
34) Trichloroethene	6.541	95	61523	5.868	ug/L	95
35) Methylcyclohexane	6.692	83	14232	0.968	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	6918	0.674	ug/L #	88
47) Tetrachloroethene	8.554	164	7146	0.986	ug/L	84
48) 2-Hexanone	8.685	43	26143	5.697	ug/L #	87
49) Dibromochloromethane	8.554	129	7779	1.030	ug/L #	9
61) 1,2,3-Trichloropropane	11.811	75	12462	2.108	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.843	180	16884	1.120	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	16884	1.195	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	5190	0.423	ug/L	97

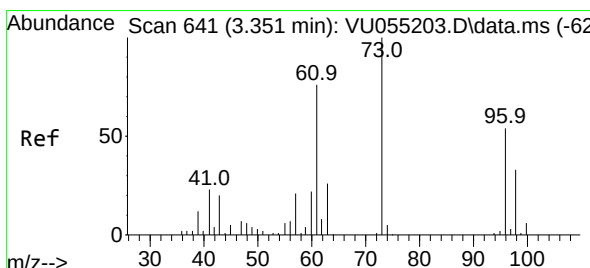
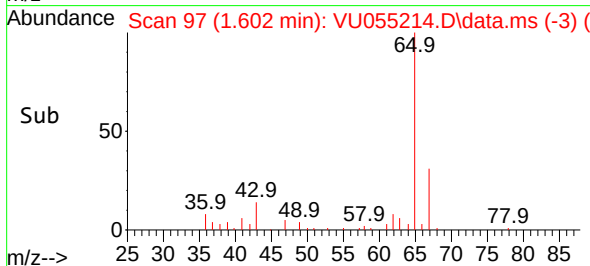
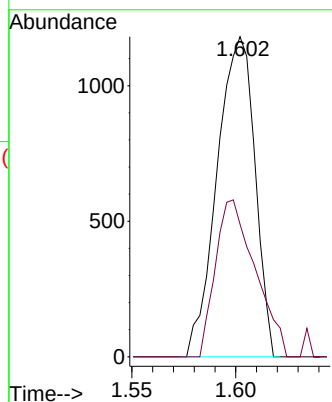
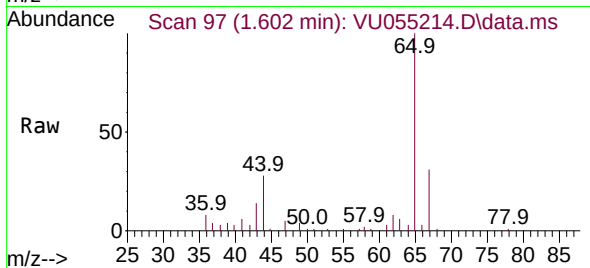
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.139 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055214.D
 Acq: 08 Sep 2023 02:56

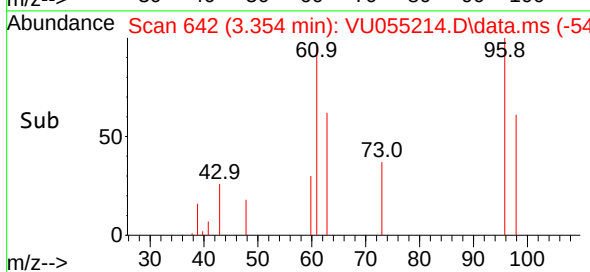
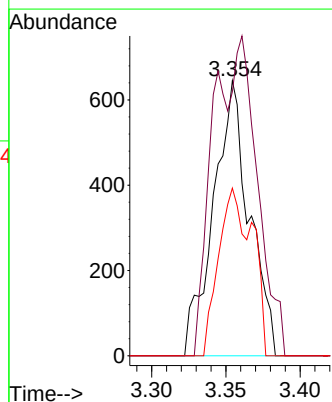
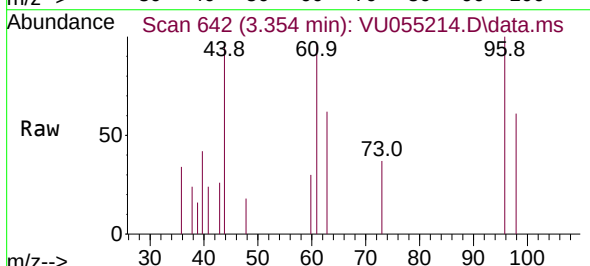
Instrument :
 MSVOA_U
 ClientSampleId :

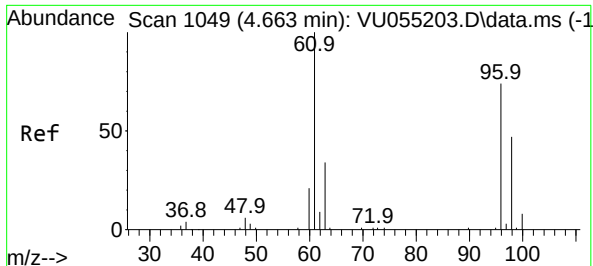
Tgt Ion: 62 Resp: 1492
 Ion Ratio Lower Upper
 62 100
 64 41.4 24.2 45.0



#18
 trans-1,2-Dichloroethene
 Concen: 0.135 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. 0.003 min
 Lab File: VU055214.D
 Acq: 08 Sep 2023 02:56

Tgt Ion: 96 Resp: 1089
 Ion Ratio Lower Upper
 96 100
 61 96.0 108.1 200.9#
 98 60.9 45.4 84.4

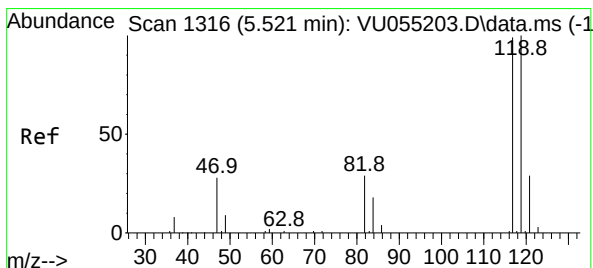
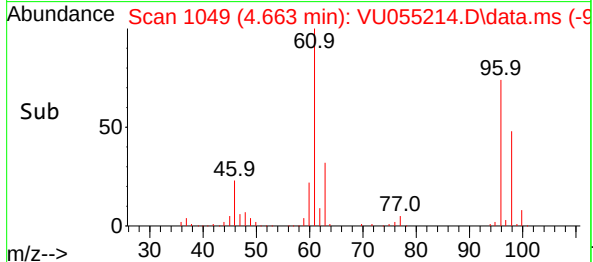
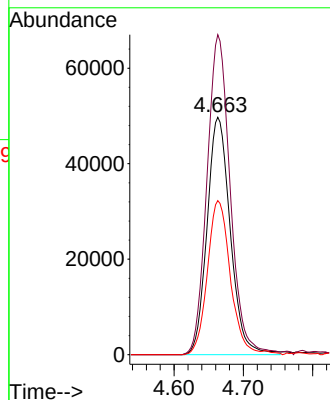
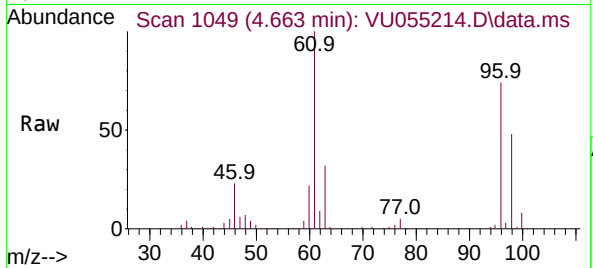




#22
 cis-1,2-Dichloroethene
 Concen: 11.729 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055214.D
 Acq: 08 Sep 2023 02:56

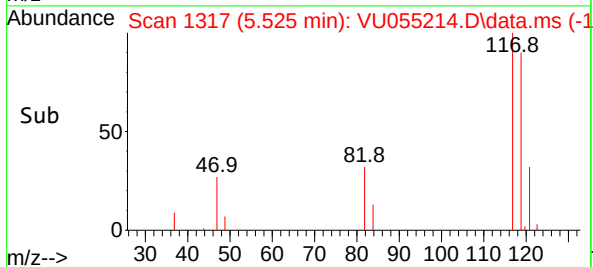
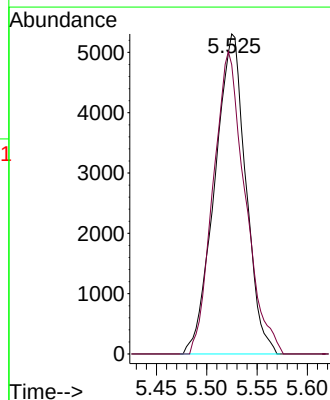
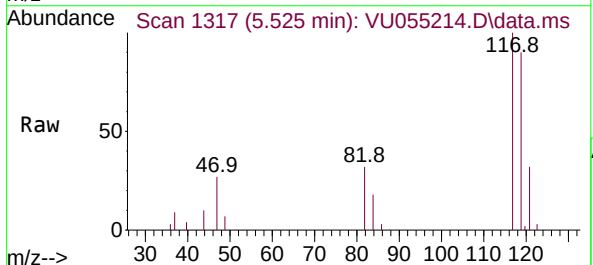
Instrument :
 MSVOA_U
 ClientSampleId :

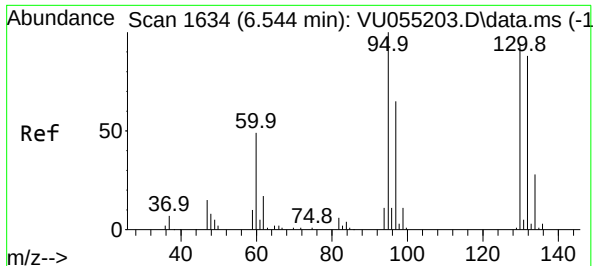
Tgt Ion: 96 Resp: 116040
 Ion Ratio Lower Upper
 96 100
 61 134.8 97.2 180.4
 98 64.9 46.1 85.7



#31
 Carbon tetrachloride
 Concen: 0.891 ug/L
 RT: 5.525 min Scan# 1317
 Delta R.T. 0.003 min
 Lab File: VU055214.D
 Acq: 08 Sep 2023 02:56

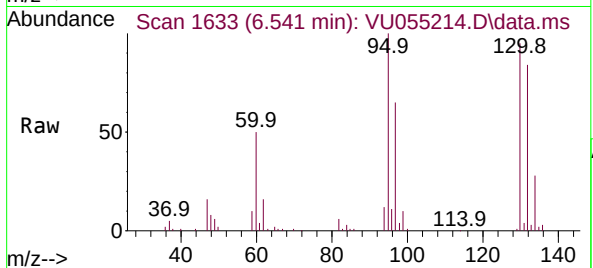
Tgt Ion: 117 Resp: 11365
 Ion Ratio Lower Upper
 117 100
 119 97.1 75.4 113.0





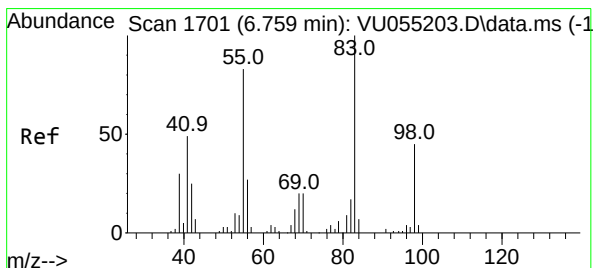
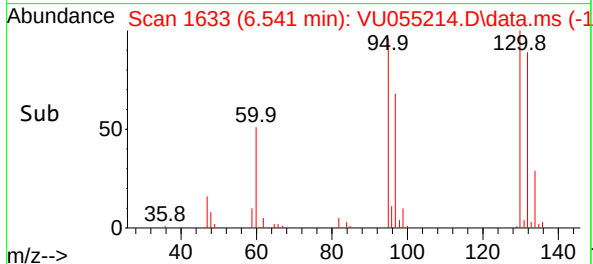
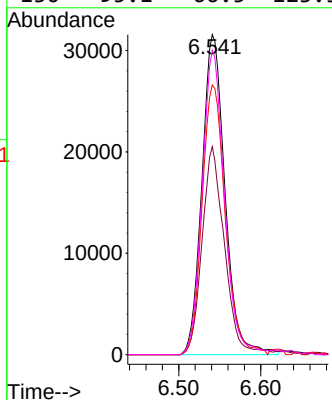
#34
Trichloroethene
Concen: 5.868 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.003 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 61523

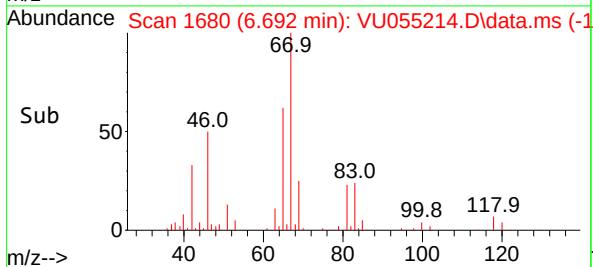
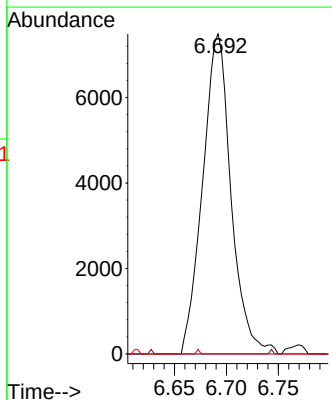
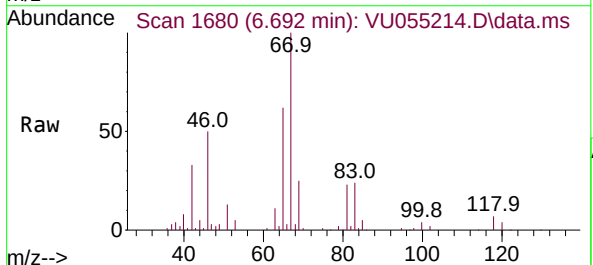
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.7	83.1
132	84.3	66.6	123.6
130	95.1	66.5	123.5

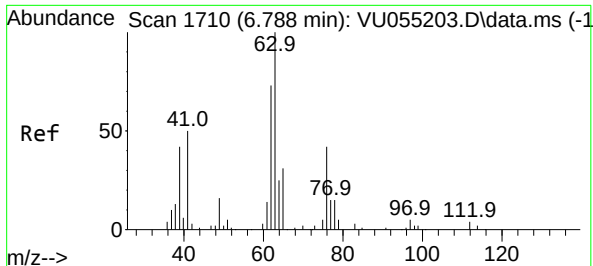


#35
Methylcyclohexane
Concen: 0.968 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.067 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

Tgt Ion: 83 Resp: 14232

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: 0.674 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055214.D

Acq: 08 Sep 2023 02:56

Instrument :

MSVOA_U

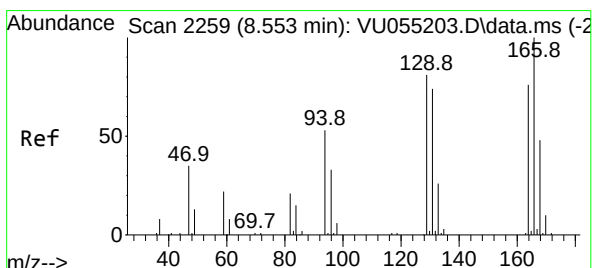
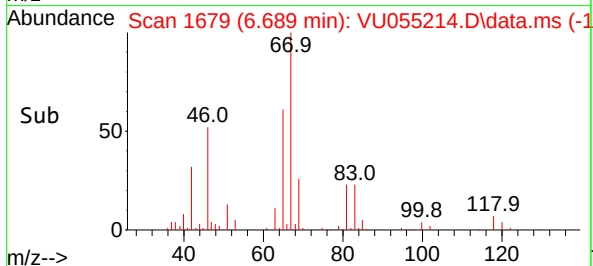
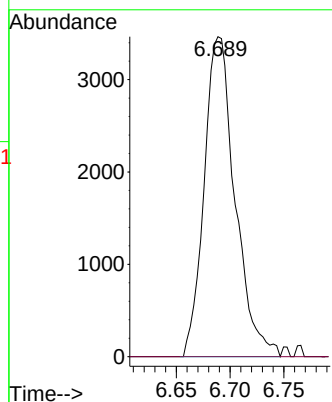
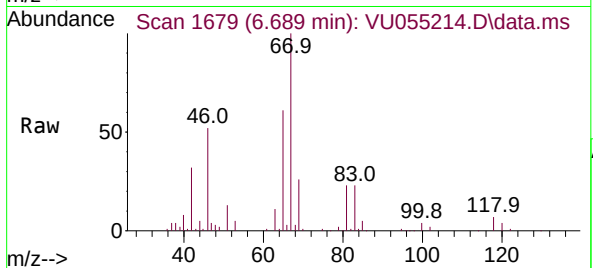
ClientSampleId :

Tgt Ion: 63 Resp: 6918

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 0.986 ug/L

RT: 8.554 min Scan# 2259

Delta R.T. 0.000 min

Lab File: VU055214.D

Acq: 08 Sep 2023 02:56

Tgt Ion: 164 Resp: 7146

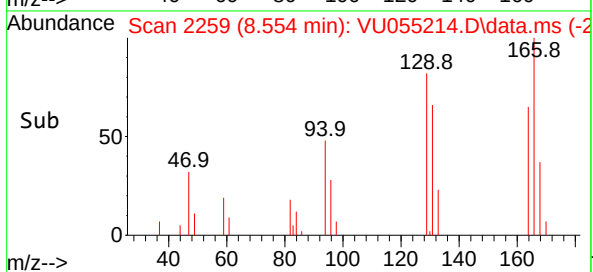
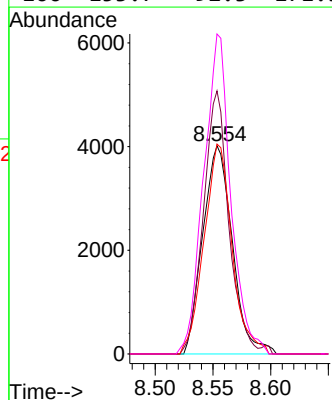
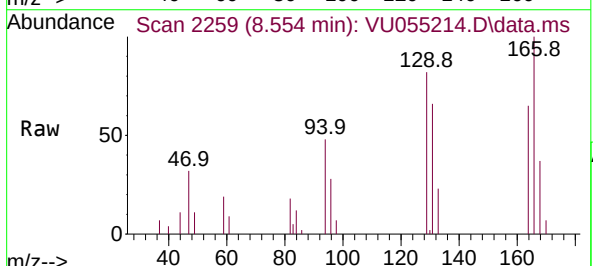
Ion Ratio Lower Upper

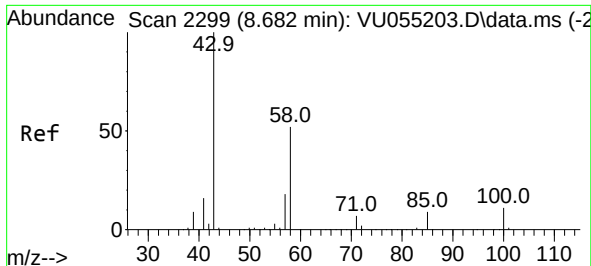
164 100

129 126.3 69.2 128.6

131 100.8 68.8 127.8

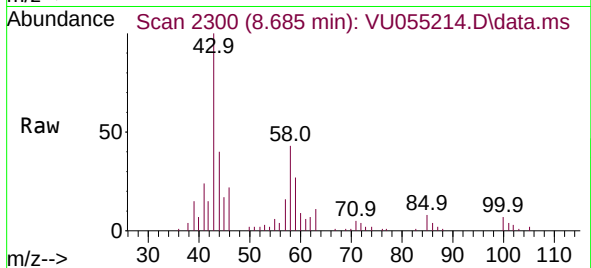
166 153.7 92.3 171.5



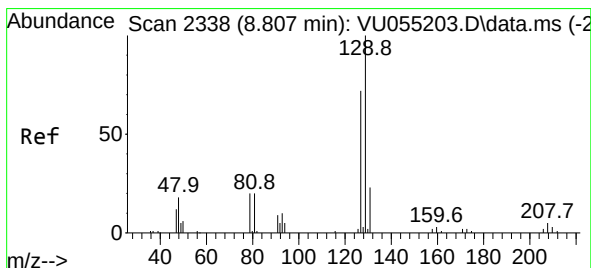
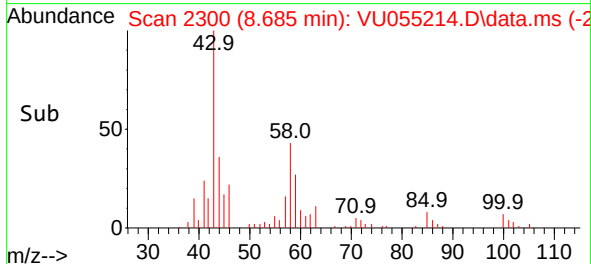
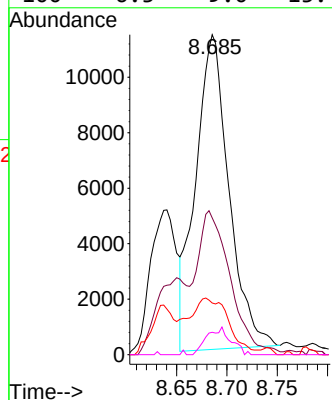


#48
2-Hexanone
Concen: 5.697 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

Instrument :
MSVOA_U
ClientSampleId :

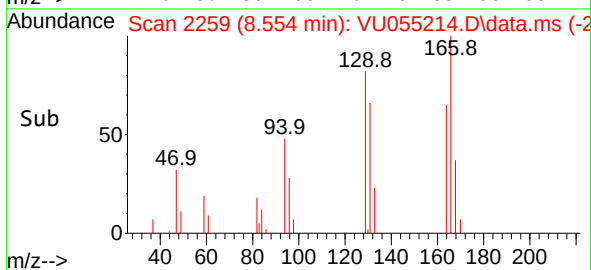
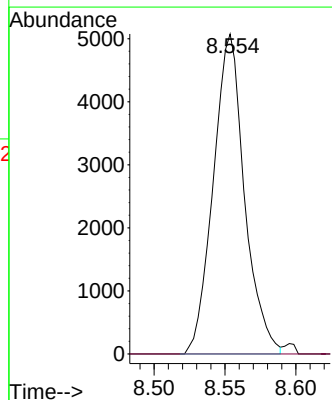
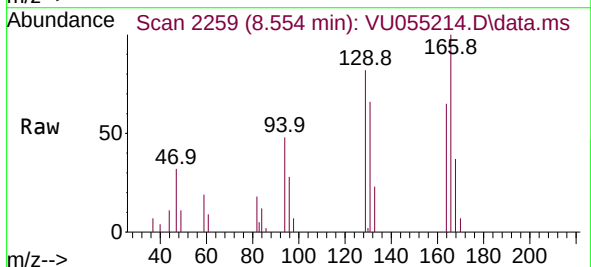


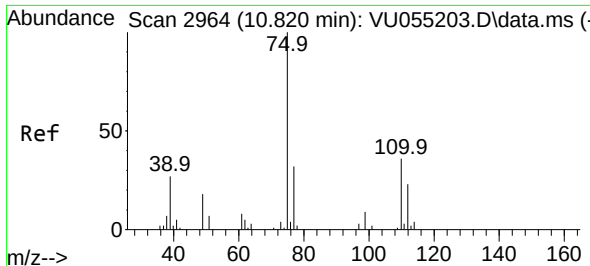
Tgt Ion: 43 Resp: 26143
Ion Ratio Lower Upper
43 100
58 43.6 44.0 66.0#
57 18.1 16.2 24.2
100 6.3 9.0 13.4#



#49
Dibromochloromethane
Concen: 1.030 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

Tgt Ion: 129 Resp: 7779
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#

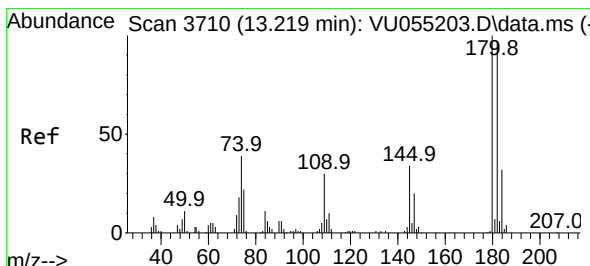
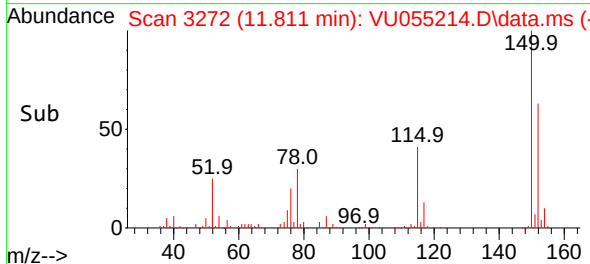
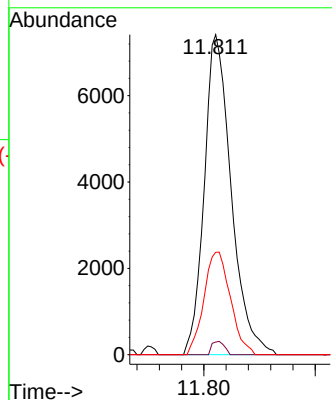
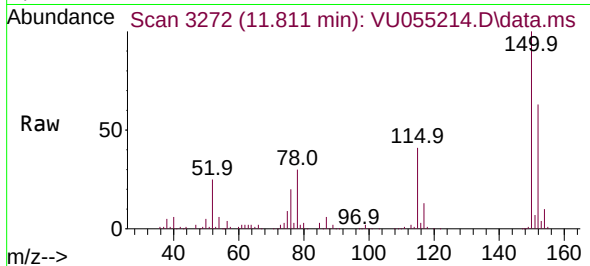




#61
1,2,3-Trichloropropane
Concen: 2.108 ug/L
RT: 11.811 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

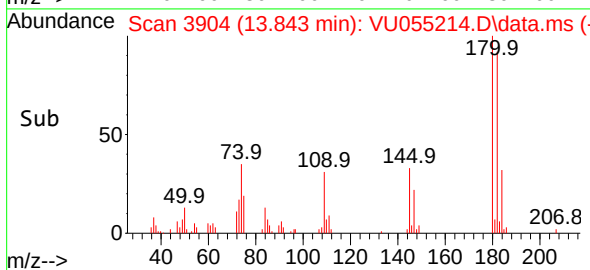
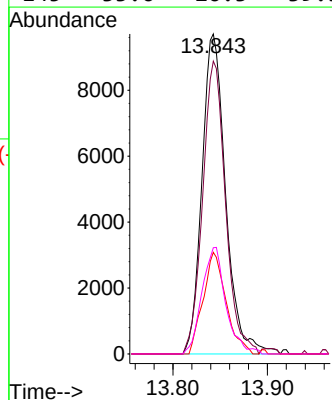
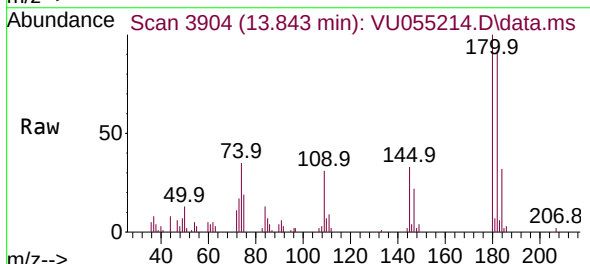
Instrument :
MSVOA_U
ClientSampleId :

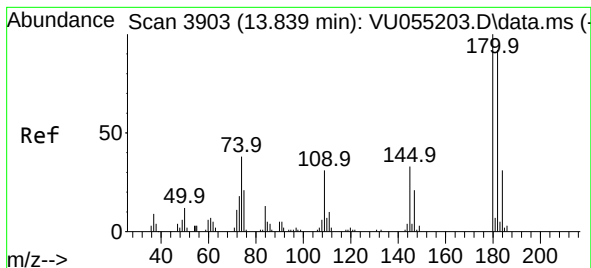
Tgt Ion: 75 Resp: 12462
Ion Ratio Lower Upper
75 100
110 1.9 28.2 42.2#
77 31.5 26.2 39.4



#69
1,3,5-Trichlorobenzene
Concen: 1.120 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.624 min
Lab File: VU055214.D
Acq: 08 Sep 2023 02:56

Tgt Ion:180 Resp: 16884
Ion Ratio Lower Upper
180 100
182 88.4 75.8 113.6
184 30.8 24.0 36.0
145 33.6 26.3 39.5





#70

1,2,4-trichlorobenzene

Concen: 1.195 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055214.D

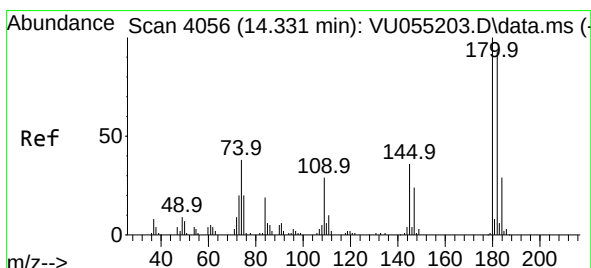
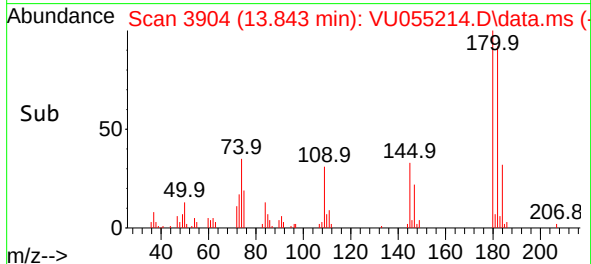
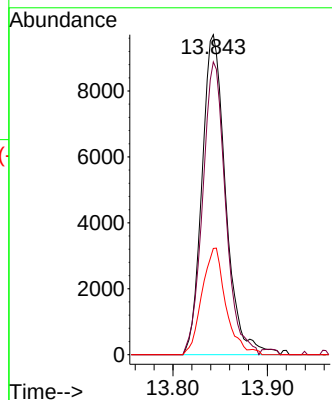
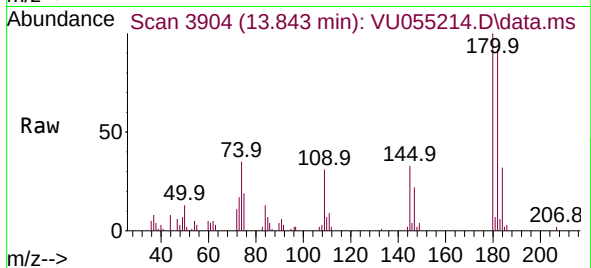
Acq: 08 Sep 2023 02:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	180	Resp:	16884
Ion Ratio	Lower	Upper	
180	100		
182	88.4	73.6	110.4
145	33.6	25.8	38.8



#72

1,2,3-Trichlorobenzene

Concen: 0.423 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.000 min

Lab File: VU055214.D

Acq: 08 Sep 2023 02:56

Tgt Ion:	180	Resp:	5190
Ion Ratio	Lower	Upper	
180	100		
182	91.8	75.6	113.4
145	31.8	27.0	40.6

