

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055071.D
 Acq On : 02 Sep 2023 03:57
 Operator : MD/SY
 Sample : 04250-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

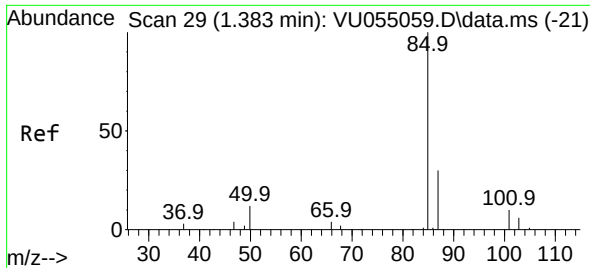
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 04:12:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188887	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	191647	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	97177	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	41313	4.667	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.911	69	48935	4.775	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.563	65	25299	5.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.628	46	131315	51.115	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.240%
24) Chloroform-d	5.058	84	118442	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.698	65	59077	5.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.724	84	234588	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.689	67	75867	5.042	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.894	98	209094	4.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.177	79	17976	4.338	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.634	63	78029	46.385	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.780%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52825	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	72351	5.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.387	85	1110	0.101	ug/L #	74
3) Chloromethane	1.518	50	1506	0.135	ug/L	98
12) 1,1-Dichloroethene	2.579	96	10534	1.206	ug/L #	26
19) 1,1-Dichloroethane	3.872	63	9794	0.512	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	87642	8.081	ug/L	95
25) Chloroform	5.084	83	38418	1.926	ug/L	98
31) Carbon tetrachloride	5.521	117	2202	0.160	ug/L	92
34) Trichloroethene	6.541	95	90364	7.972	ug/L	98
35) Methylcyclohexane	6.689	83	16729	1.052	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	8429	0.759	ug/L #	88
42) Toluene	7.971	91	9571	0.220	ug/L	95
48) 2-Hexanone	8.688	43	17984	3.625	ug/L #	86
61) 1,2,3-Trichloropropane	11.807	75	13872	2.151	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.846	180	4743	0.289	ug/L	89
70) 1,2,4-trichlorobenzene	13.846	180	4743	0.308	ug/L	86

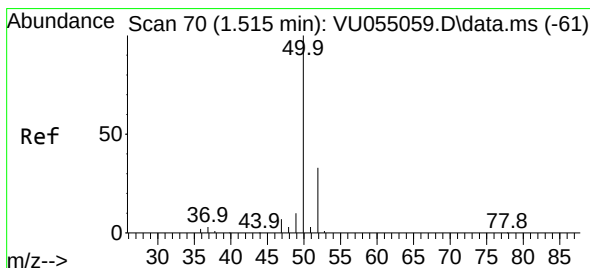
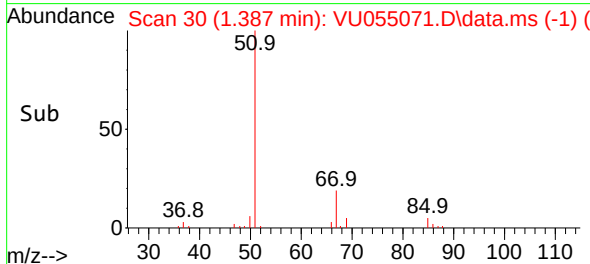
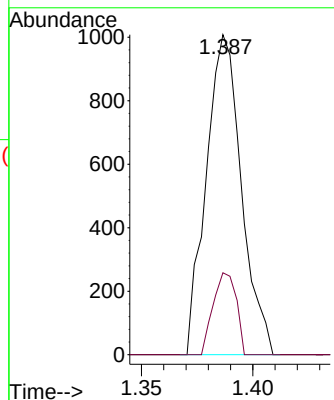
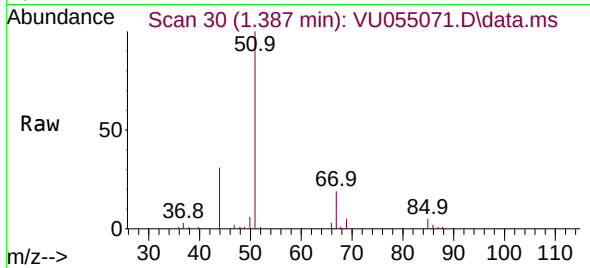
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.101 ug/L
 RT: 1.387 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VU055071.D
 Acq: 02 Sep 2023 03:57

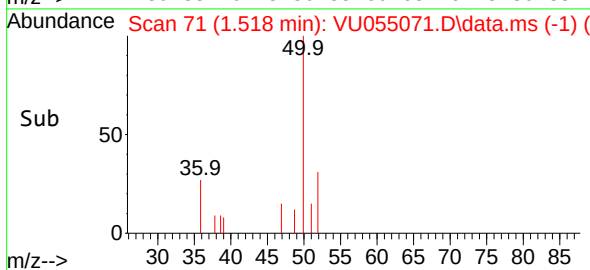
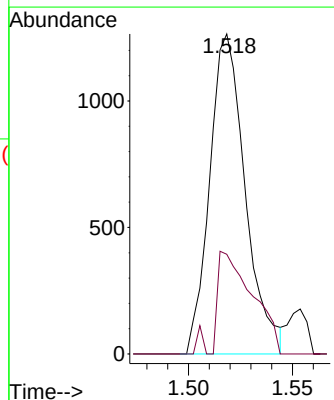
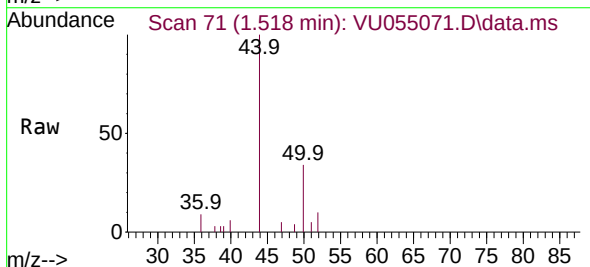
Instrument :
 MSVOA_U
 ClientSampleId :

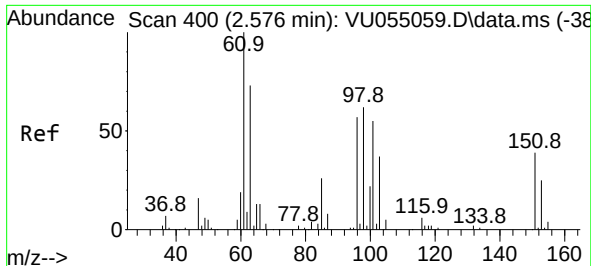
Tgt Ion: 85 Resp: 1110
 Ion Ratio Lower Upper
 85 100
 87 16.8 25.1 37.7#



#3
 Chloromethane
 Concen: 0.135 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055071.D
 Acq: 02 Sep 2023 03:57

Tgt Ion: 50 Resp: 1506
 Ion Ratio Lower Upper
 50 100
 52 31.1 22.5 41.7





#12

1,1-Dichloroethene

Concen: 1.206 ug/L

RT: 2.579 min Scan# 400

Delta R.T. 0.003 min

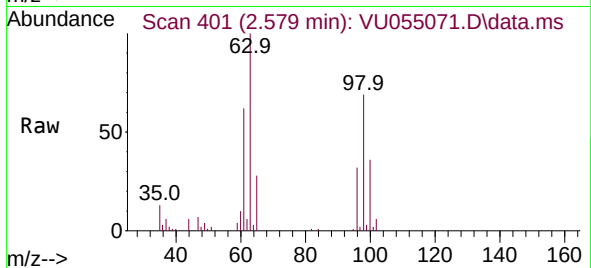
Lab File: VU055071.D

Acq: 02 Sep 2023 03:57

Instrument :

MSVOA_U

ClientSampleId :



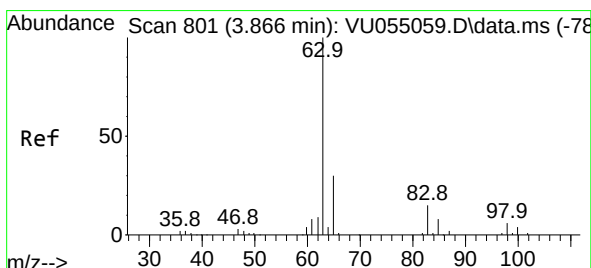
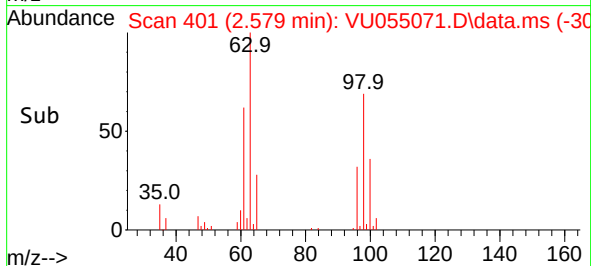
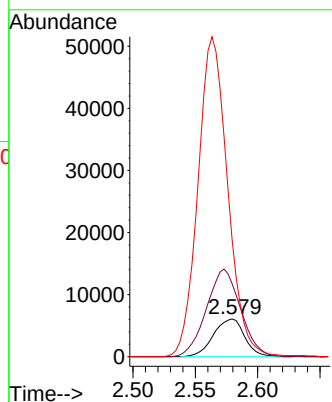
Tgt Ion: 96 Resp: 10534

Ion Ratio Lower Upper

96 100

61 193.7 120.8 224.4

63 312.0 94.5 175.5#



#19

1,1-Dichloroethane

Concen: 0.512 ug/L

RT: 3.872 min Scan# 803

Delta R.T. 0.006 min

Lab File: VU055071.D

Acq: 02 Sep 2023 03:57

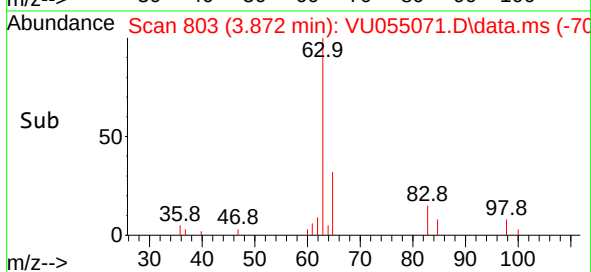
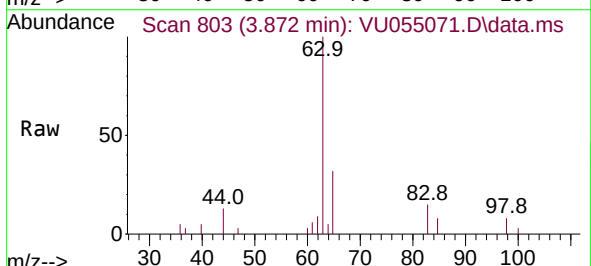
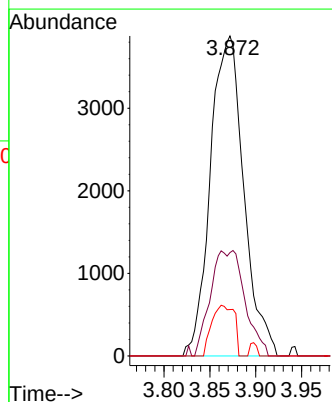
Tgt Ion: 63 Resp: 9794

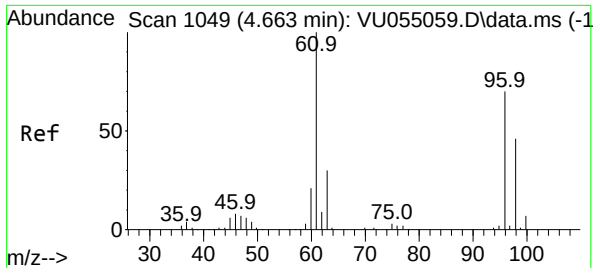
Ion Ratio Lower Upper

63 100

65 32.3 22.2 41.2

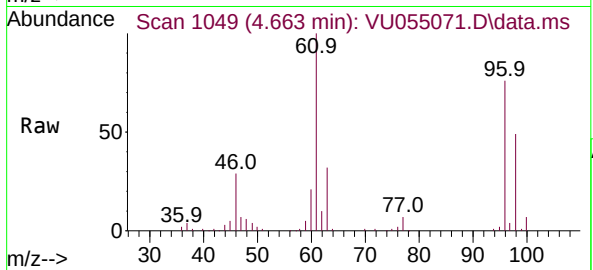
83 14.5 10.6 19.8



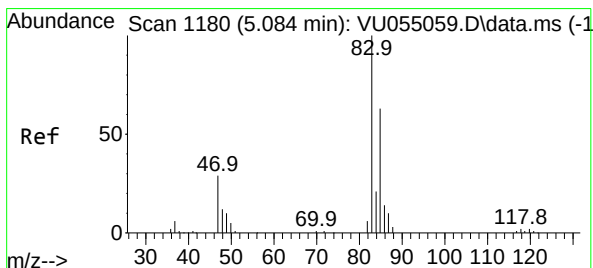
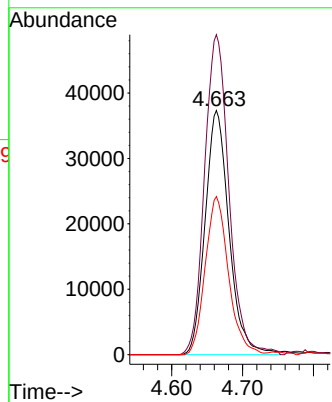
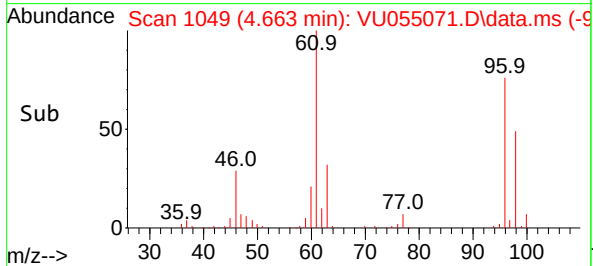


#22
 cis-1,2-Dichloroethene
 Concen: 8.081 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055071.D
 Acq: 02 Sep 2023 03:57

Instrument :
 MSVOA_U
 ClientSampleId :

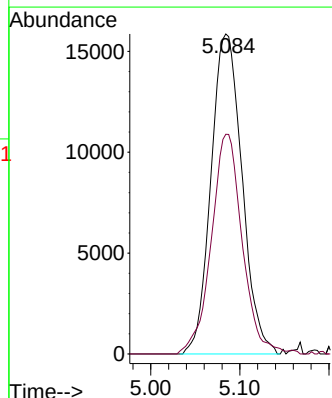
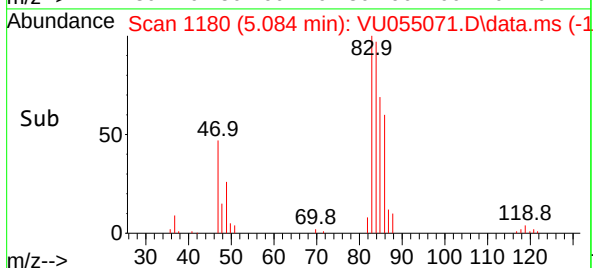
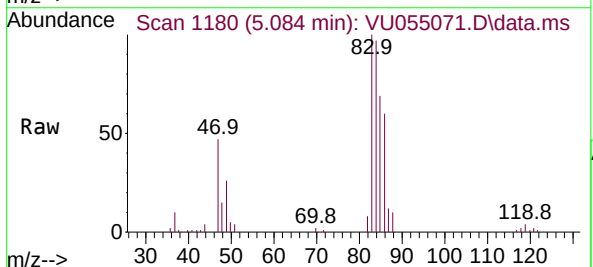


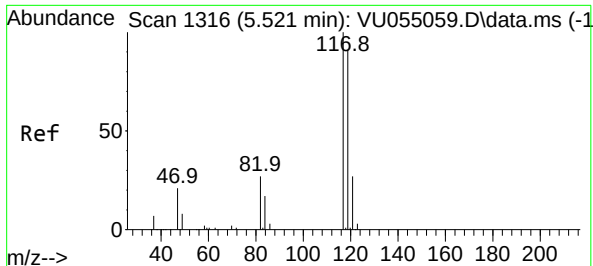
Tgt Ion:	96	Resp:	87642
Ion	Ratio	Lower	Upper
96	100		
61	131.0	97.2	180.4
98	64.7	46.1	85.7



#25
 Chloroform
 Concen: 1.926 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VU055071.D
 Acq: 02 Sep 2023 03:57

Tgt Ion:	83	Resp:	38418
Ion	Ratio	Lower	Upper
83	100		
85	68.7	47.2	87.6

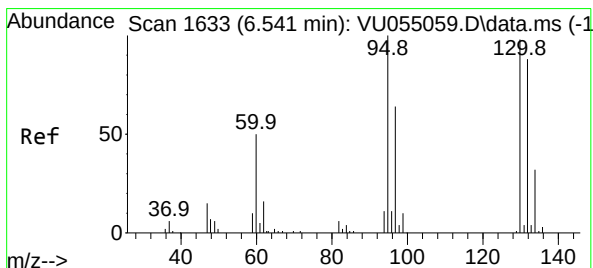
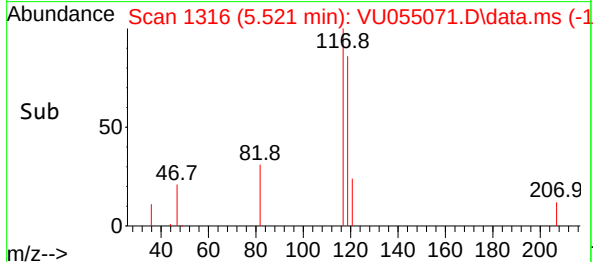
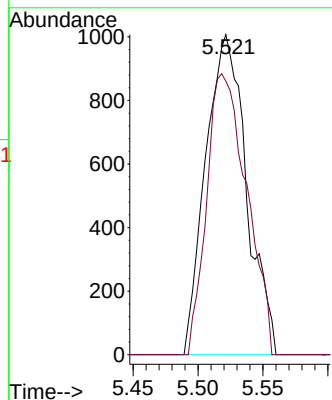
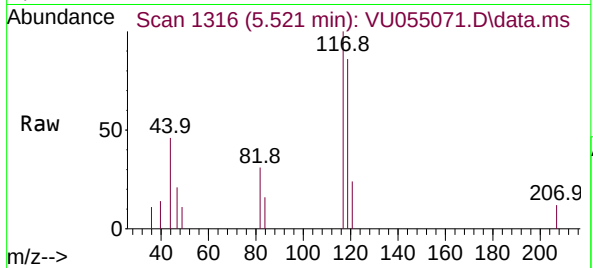




#31
Carbon tetrachloride
Concen: 0.160 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055071.D
Acq: 02 Sep 2023 03:57

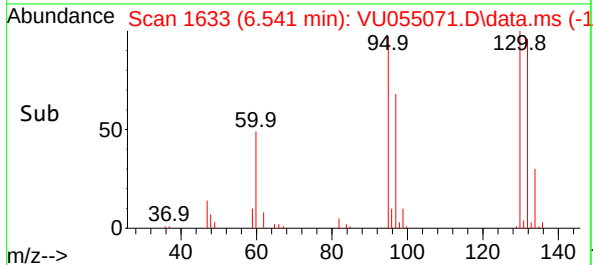
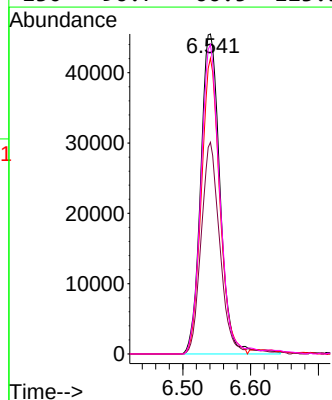
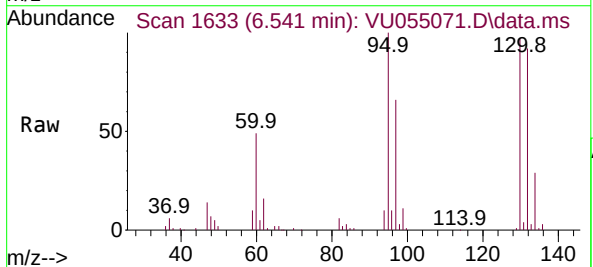
Instrument :
MSVOA_U
ClientSampleId :

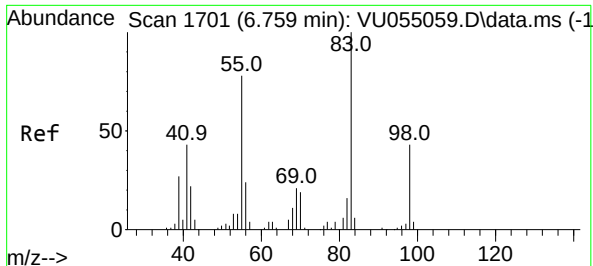
Tgt Ion:117 Resp: 2202
Ion Ratio Lower Upper
117 100
119 86.1 75.4 113.0



#34
Trichloroethene
Concen: 7.972 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055071.D
Acq: 02 Sep 2023 03:57

Tgt Ion: 95 Resp: 90364
Ion Ratio Lower Upper
95 100
97 66.2 44.7 83.1
132 92.4 66.6 123.6
130 96.7 66.5 123.5





#35

Methylcyclohexane

Concen: 1.052 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU055071.D

Acq: 02 Sep 2023 03:57

Instrument :

MSVOA_U

ClientSampleId :

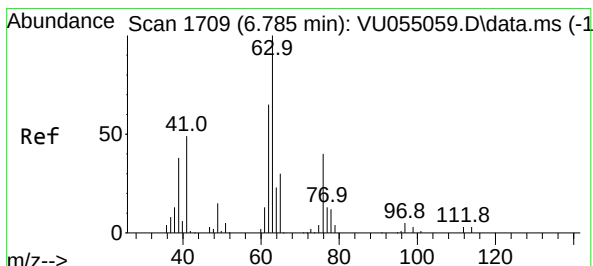
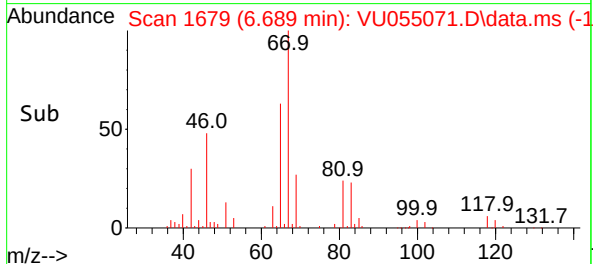
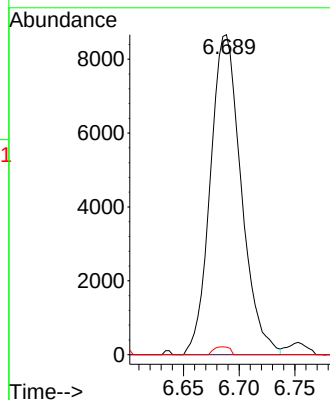
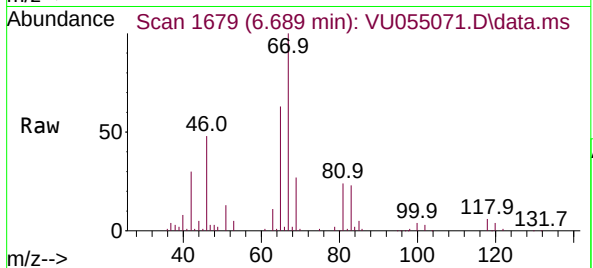
Tgt Ion: 83 Resp: 16729

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

98 1.3 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.759 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.096 min

Lab File: VU055071.D

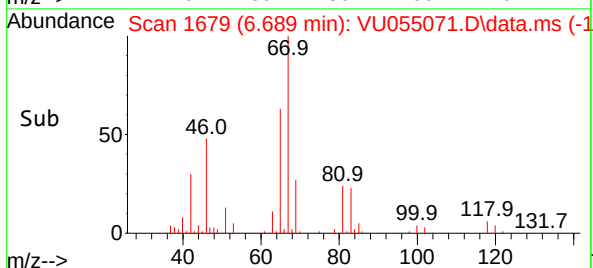
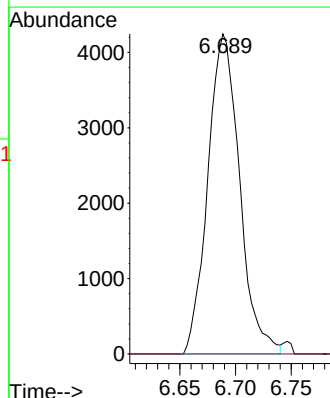
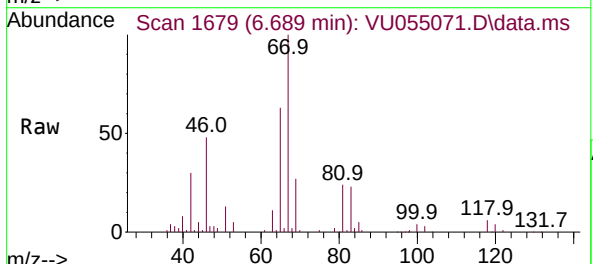
Acq: 02 Sep 2023 03:57

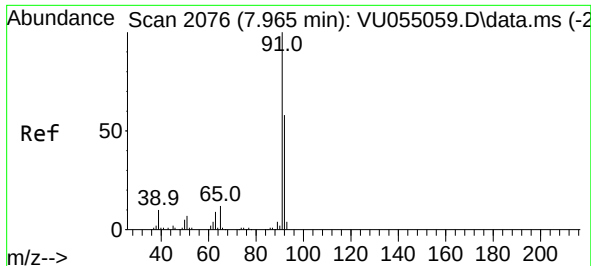
Tgt Ion: 63 Resp: 8429

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#42

Toluene

Concen: 0.220 ug/L

RT: 7.971 min Scan# 2076

Delta R.T. 0.006 min

Lab File: VU055071.D

Acq: 02 Sep 2023 03:57

Instrument :

MSVOA_U

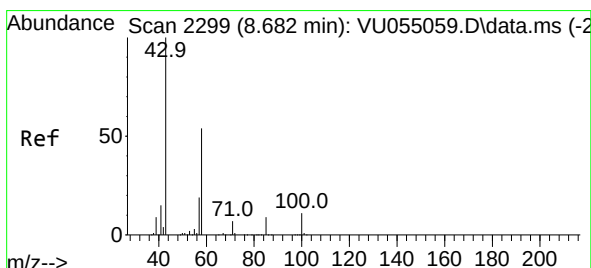
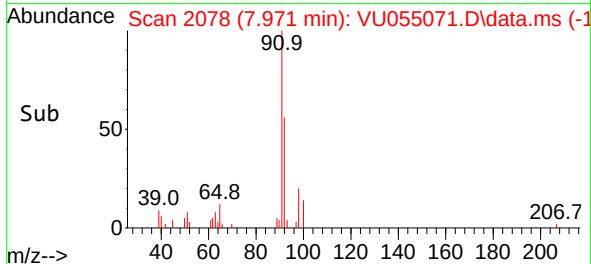
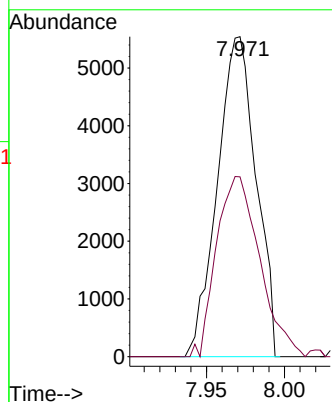
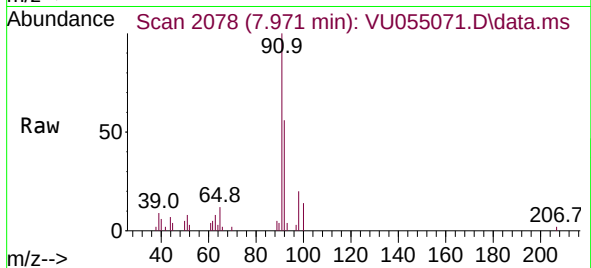
ClientSampleId :

Tgt Ion: 91 Resp: 9571

Ion Ratio Lower Upper

91 100

92 56.2 41.9 77.9



#48

2-Hexanone

Concen: 3.625 ug/L

RT: 8.688 min Scan# 2301

Delta R.T. 0.006 min

Lab File: VU055071.D

Acq: 02 Sep 2023 03:57

Tgt Ion: 43 Resp: 17984

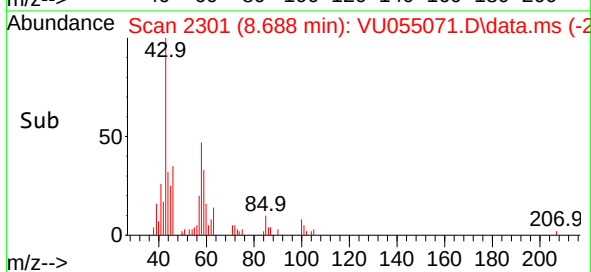
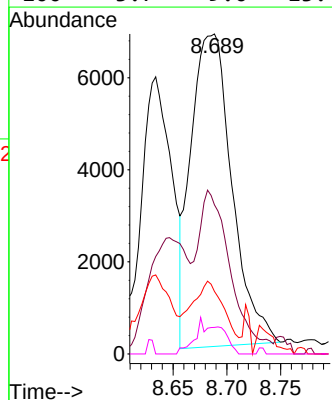
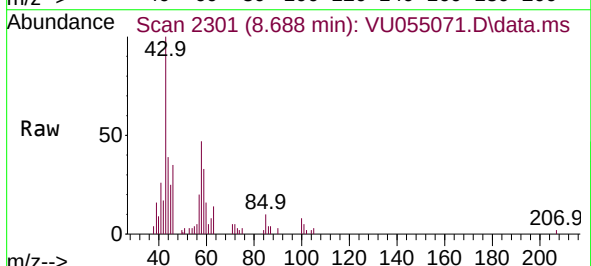
Ion Ratio Lower Upper

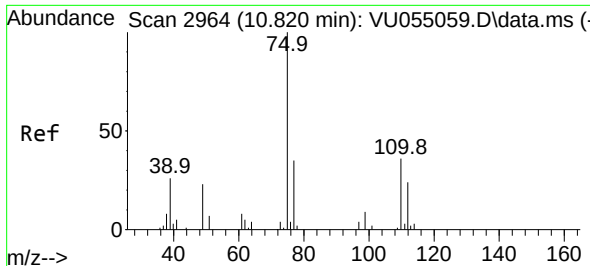
43 100

58 42.5 44.0 66.0#

57 19.2 16.2 24.2

100 3.7 9.0 13.4#

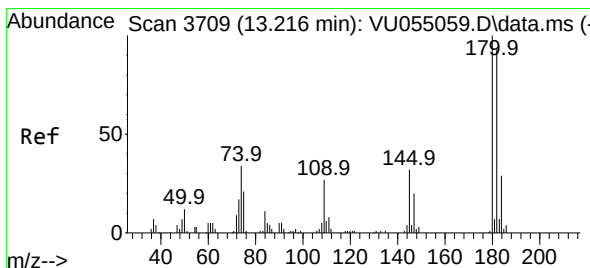
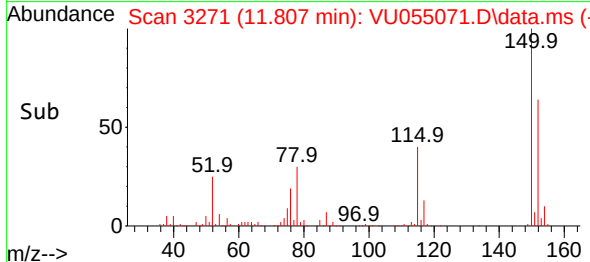
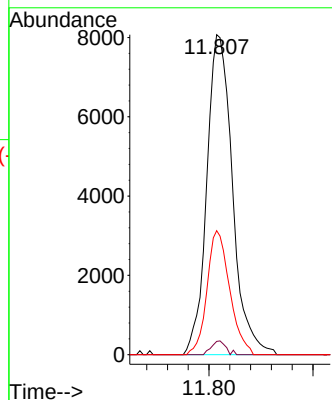
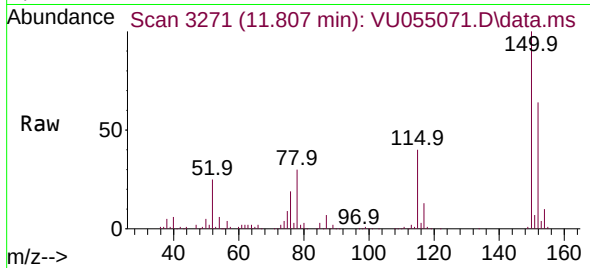




#61
1,2,3-Trichloropropane
Concen: 2.151 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU055071.D
Acq: 02 Sep 2023 03:57

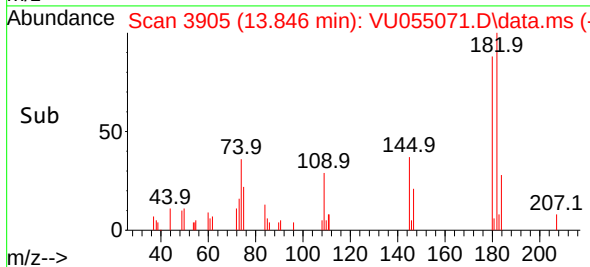
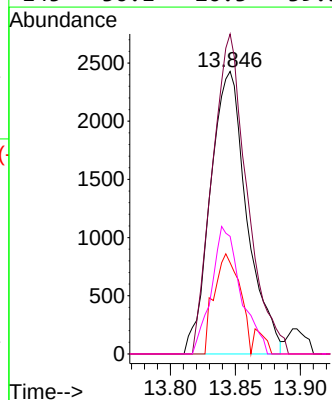
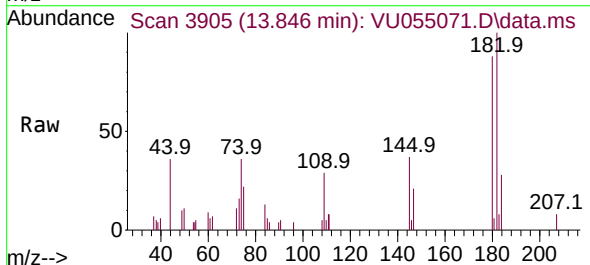
Instrument :
MSVOA_U
ClientSampleId :

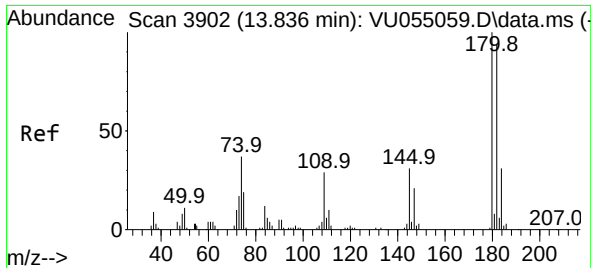
Tgt Ion: 75 Resp: 13872
Ion Ratio Lower Upper
75 100
110 2.4 28.2 42.2#
77 34.1 26.2 39.4



#69
1,3,5-Trichlorobenzene
Concen: 0.289 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.630 min
Lab File: VU055071.D
Acq: 02 Sep 2023 03:57

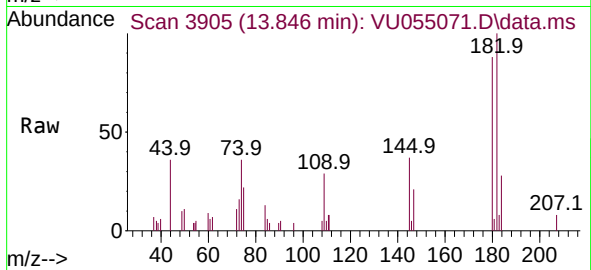
Tgt Ion:180 Resp: 4743
Ion Ratio Lower Upper
180 100
182 107.7 75.8 113.6
184 24.9 24.0 36.0
145 36.1 26.3 39.5





#70
 1,2,4-trichlorobenzene
 Concen: 0.308 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.010 min
 Lab File: VU055071.D
 Acq: 02 Sep 2023 03:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	4743
Ion Ratio	Lower	Upper	
180	100		
182	107.7	73.6	110.4
145	36.1	25.8	38.8

