

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055074.D
 Acq On : 02 Sep 2023 05:09
 Operator : MD/SY
 Sample : 04250-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 05:29:22 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	188111	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	192093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	99081	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	40427	4.585	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.911	69	48939	4.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	26158	5.207	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.200%
20) 2-Butanone-d5	4.631	46	138602	54.174	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.340%
24) Chloroform-d	5.058	84	118775	5.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.701	65	59776	5.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.724	84	239394	5.049	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.689	67	77319	5.127	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.894	98	208493	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.177	79	18742	4.513	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.634	63	81777	48.500	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	53305	5.026	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	76766	5.308	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	6269	0.563	ug/L	88
5) Vinyl chloride	1.602	62	3884	0.331	ug/L #	1
8) Chloroethane	1.972	64	1390	0.182	ug/L #	49
13) Acetone	2.637	43	67194	39.186	ug/L	98
14) Carbon disulfide	2.795	76	2897	0.136	ug/L	98
15) Methyl Acetate	2.956	43	20404	5.813	ug/L	92
16) Methylene chloride	3.042	84	7643	0.575	ug/L	88
18) trans-1,2-Dichloroethene	3.351	96	1729	0.196	ug/L	82
21) 2-Butanone	4.718	43	10811	4.291	ug/L	80
22) cis-1,2-Dichloroethene	4.666	96	9130	0.845	ug/L	90
34) Trichloroethene	6.541	95	15174	1.335	ug/L	98
35) Methylcyclohexane	6.685	83	17155	1.076	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	8378	0.753	ug/L #	88
40) 4-Methyl-2-pentanone	7.795	43	10121	1.594	ug/L #	86
42) Toluene	7.968	91	45638	1.047	ug/L	89
47) Tetrachloroethene	8.553	164	1267	0.161	ug/L	83
48) 2-Hexanone	8.682	43	16471	3.312	ug/L	93
49) Dibromochloromethane	8.557	129	1274	0.156	ug/L #	9
52) Ethylbenzene	9.569	91	10413	0.214	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 02 00:23:04 2023
Response via : Initial Calibration

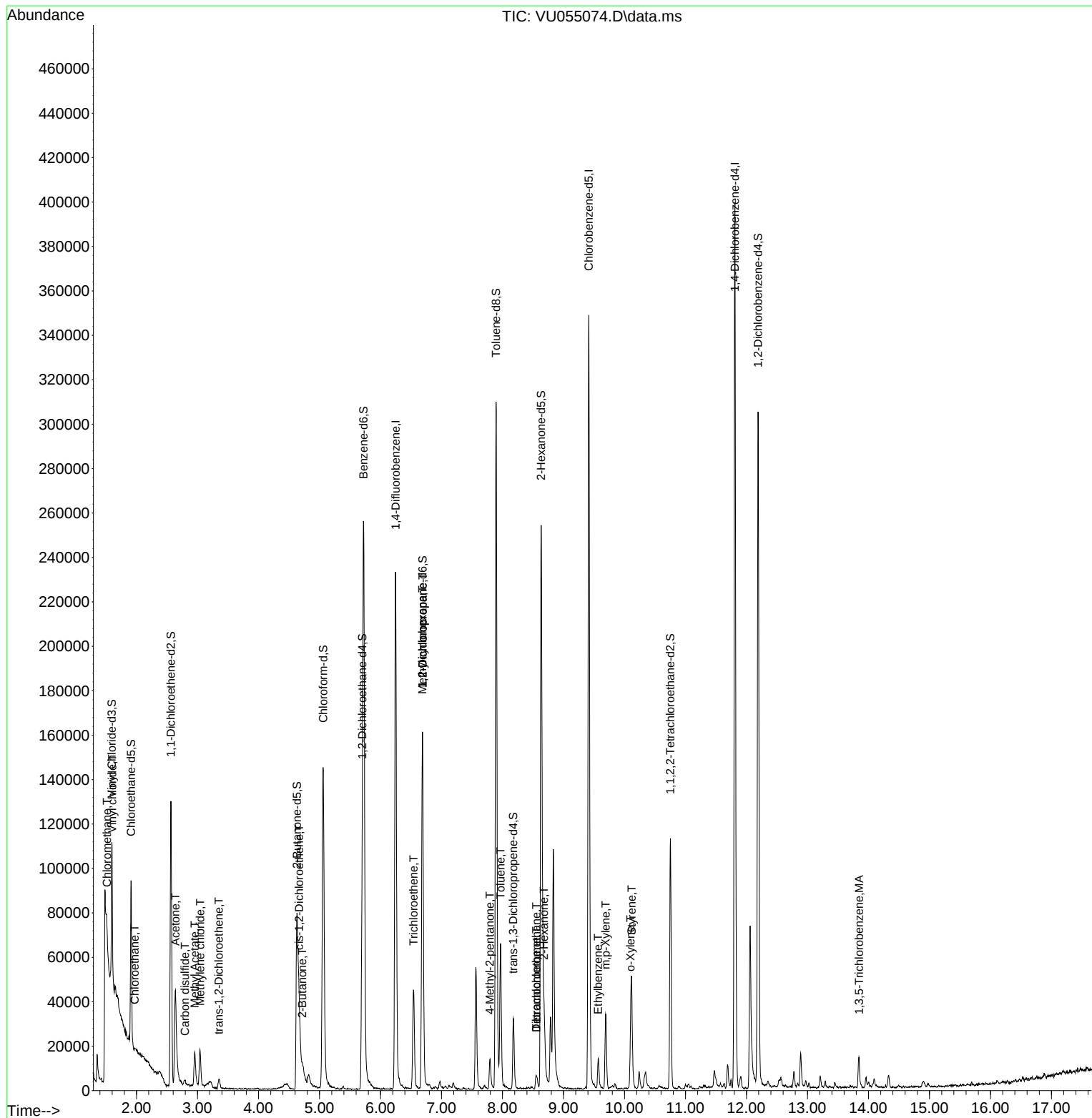
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.692	106	9771	0.542	ug/L	94
54) o-Xylene	10.100	106	4894	0.276	ug/L	99
55) Styrene	10.116	104	23423	0.799	ug/L	99
69) 1,3,5-Trichlorobenzene	13.846	180	3803	0.227	ug/L #	96

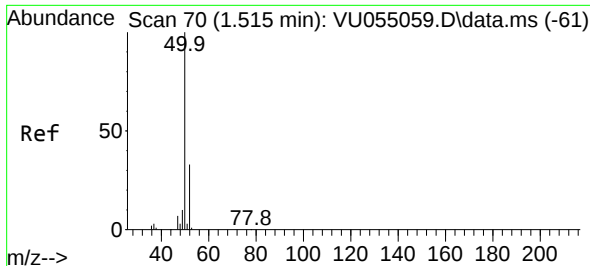
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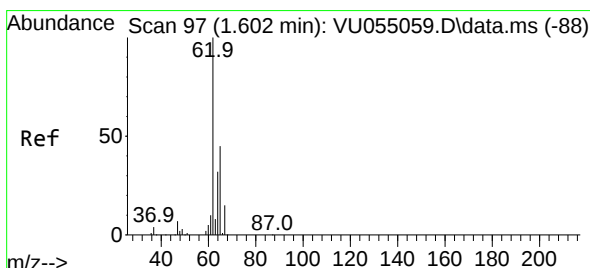
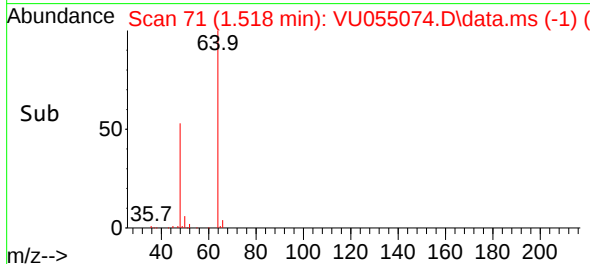
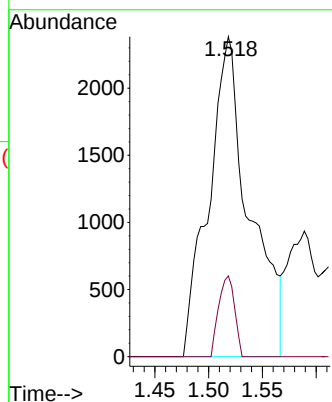
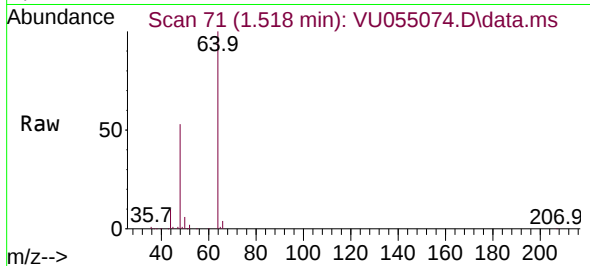




#3
Chloromethane
Concen: 0.563 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

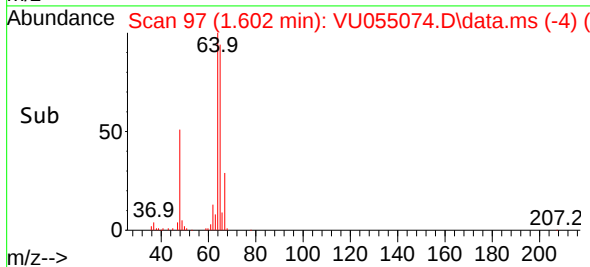
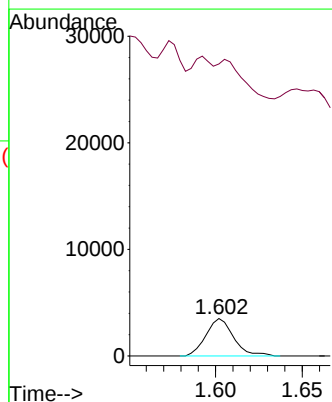
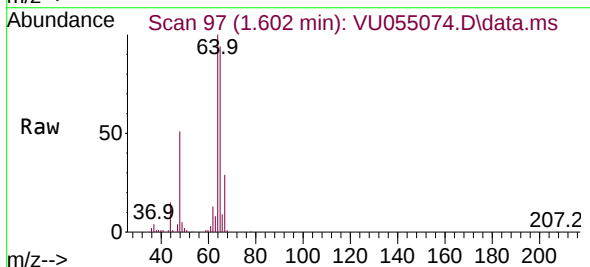
Instrument :
MSVOA_U
ClientSampleId :

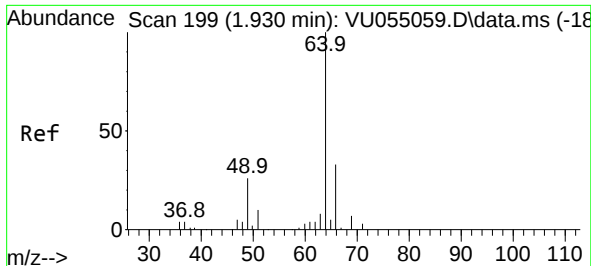
Tgt Ion: 50 Resp: 6269
Ion Ratio Lower Upper
50 100
52 25.3 22.5 41.7



#5
Vinyl chloride
Concen: 0.331 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion: 62 Resp: 3884
Ion Ratio Lower Upper
62 100
64 780.6 24.2 45.0#





#8

Chloroethane

Concen: 0.182 ug/L

RT: 1.972 min Scan# 21

Delta R.T. 0.042 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Instrument :

MSVOA_U

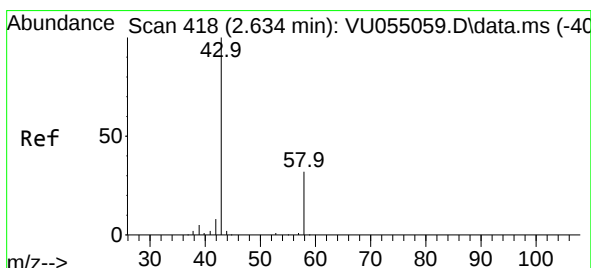
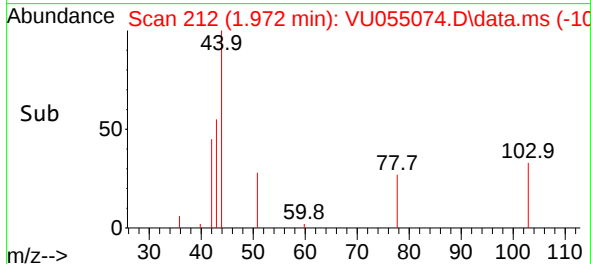
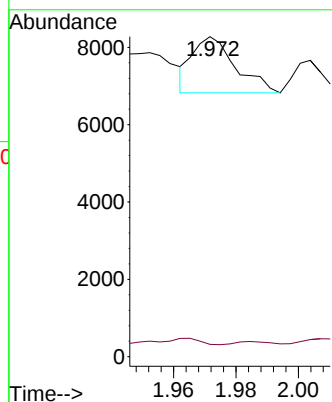
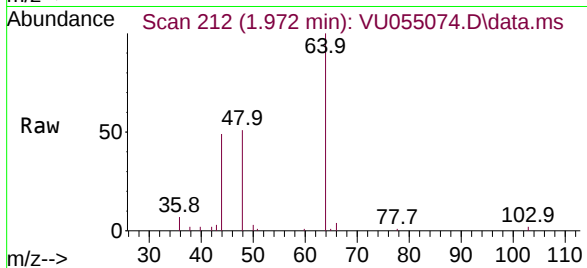
ClientSampleId :

Tgt Ion: 64 Resp: 1390

Ion Ratio Lower Upper

64 100

66 3.8 22.4 41.6#



#13

Acetone

Concen: 39.186 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.003 min

Lab File: VU055074.D

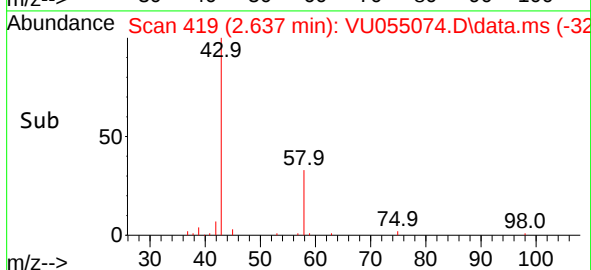
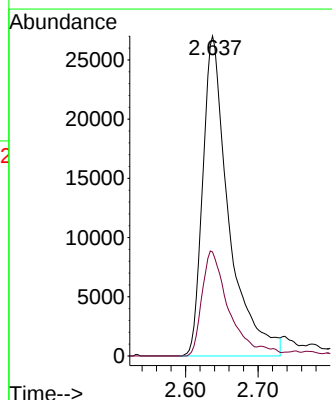
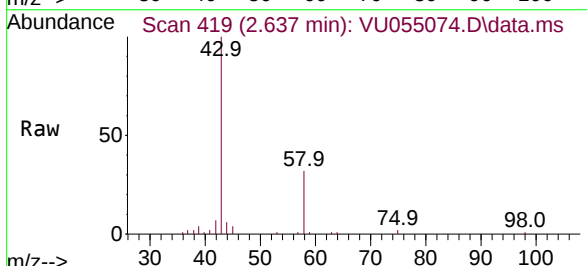
Acq: 02 Sep 2023 05:09

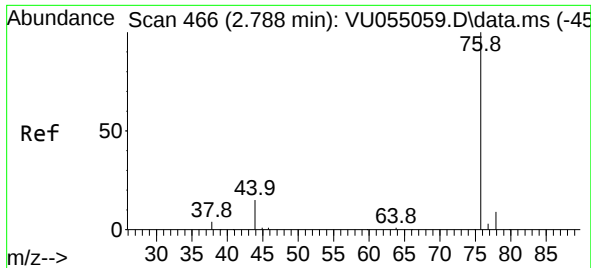
Tgt Ion: 43 Resp: 67194

Ion Ratio Lower Upper

43 100

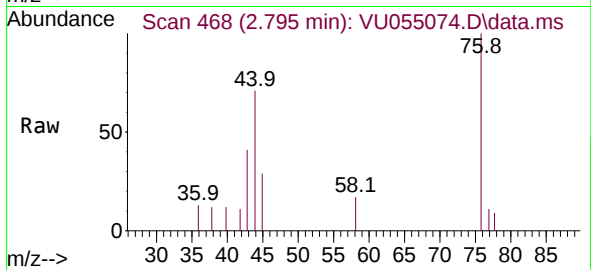
58 32.5 0.0 67.8



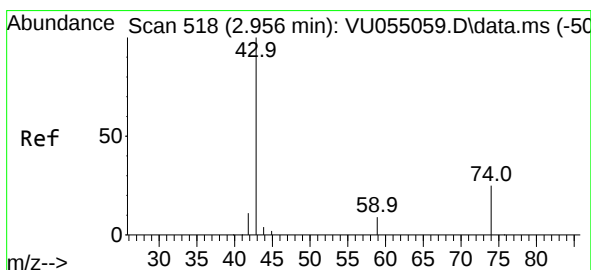
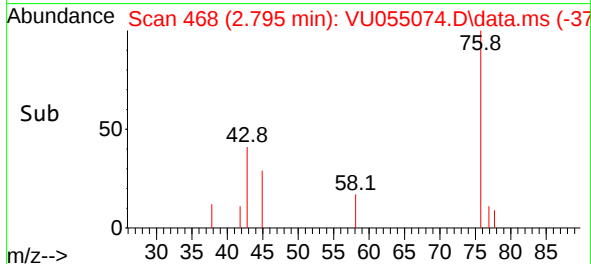
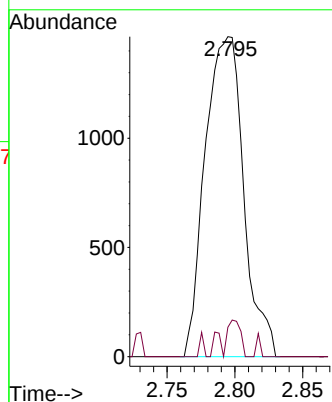


#14
Carbon disulfide
Concen: 0.136 ug/L
RT: 2.795 min Scan# 468
Delta R.T. 0.006 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Instrument :
MSVOA_U
ClientSampleId :

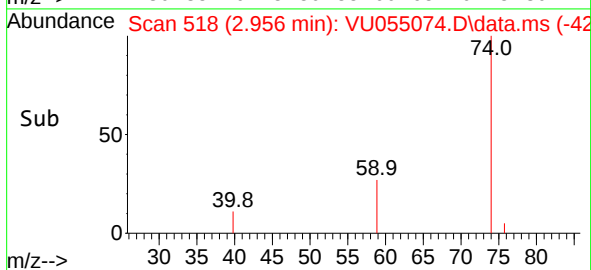
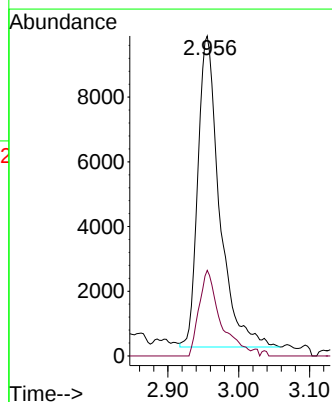
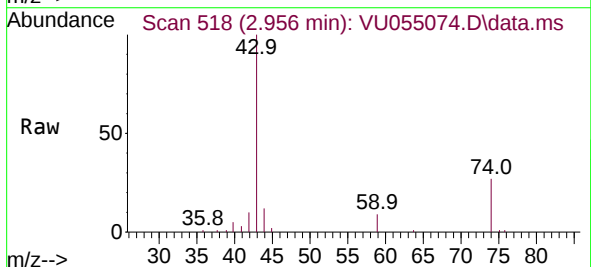


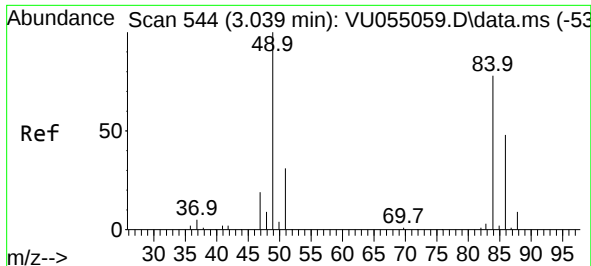
Tgt Ion: 76 Resp: 2897
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#15
Methyl Acetate
Concen: 5.813 ug/L
RT: 2.956 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

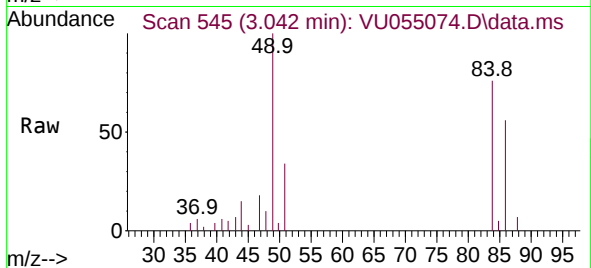
Tgt Ion: 43 Resp: 20404
Ion Ratio Lower Upper
43 100
74 27.0 18.4 27.6



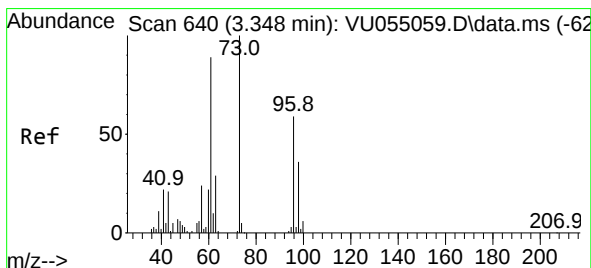
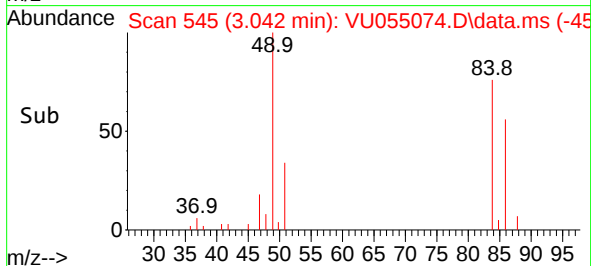
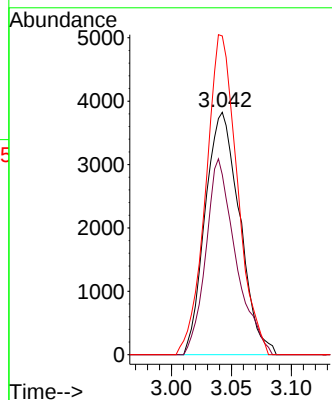


#16
Methylene chloride
Concen: 0.575 ug/L
RT: 3.042 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Instrument :
MSVOA_U
ClientSampleId :

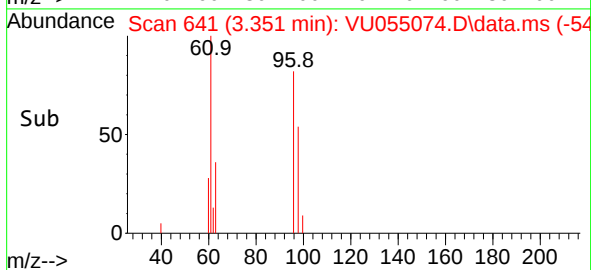
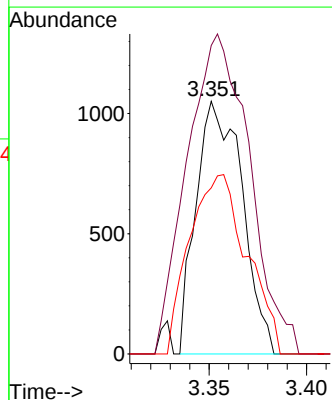
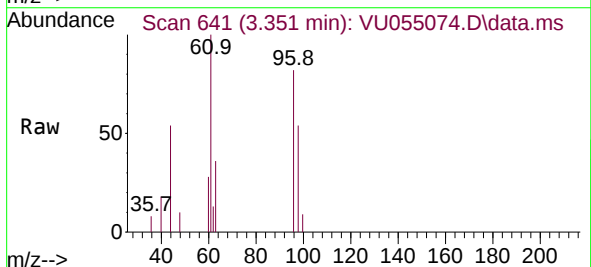


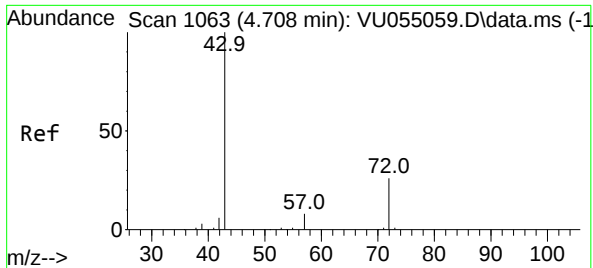
Tgt Ion:	84	Resp:	7643
Ion	Ratio	Lower	Upper
84	100		
86	74.3	43.4	80.6
49	136.8	87.7	162.9



#18
trans-1,2-Dichloroethene
Concen: 0.196 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion:	96	Resp:	1729
Ion	Ratio	Lower	Upper
96	100		
61	122.1	108.1	200.9
98	65.7	45.4	84.4





#21

2-Butanone

Concen: 4.291 ug/L

RT: 4.718 min Scan# 1066

Delta R.T. 0.010 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Instrument :

MSVOA_U

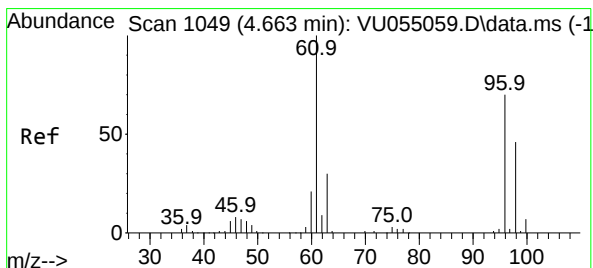
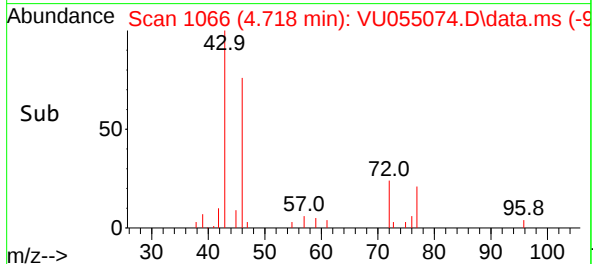
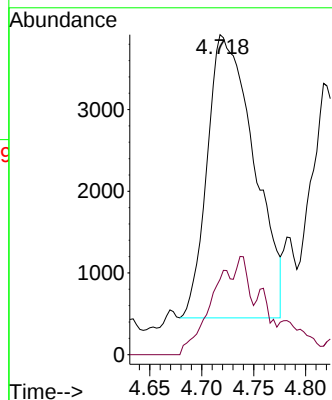
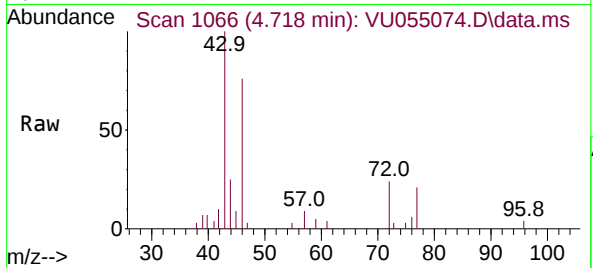
ClientSampleId :

Tgt Ion: 43 Resp: 10811

Ion Ratio Lower Upper

43 100

72 16.4 13.5 40.5



#22

cis-1,2-Dichloroethene

Concen: 0.845 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

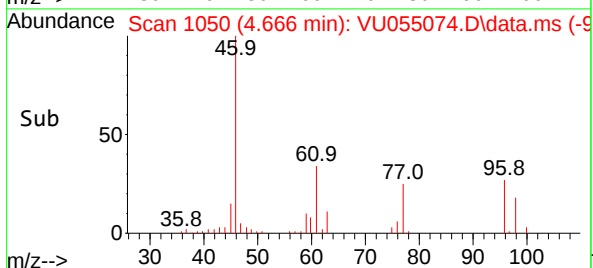
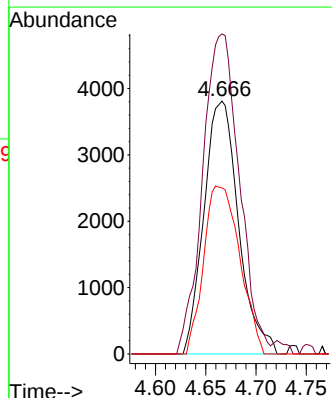
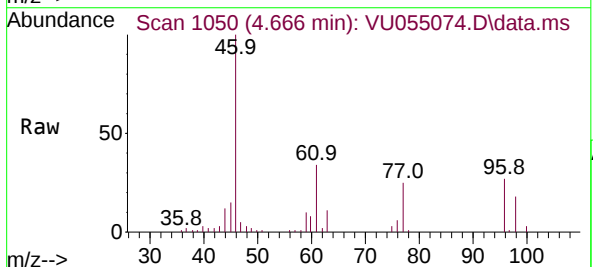
Tgt Ion: 96 Resp: 9130

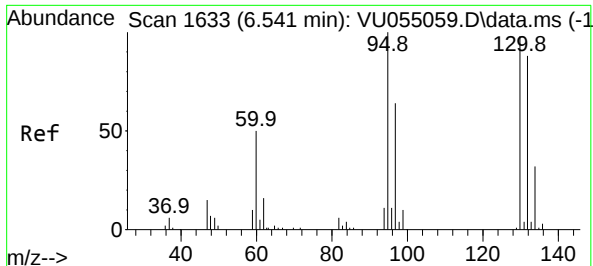
Ion Ratio Lower Upper

96 100

61 122.8 97.2 180.4

98 63.7 46.1 85.7



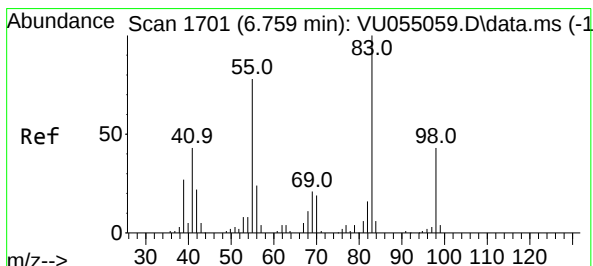
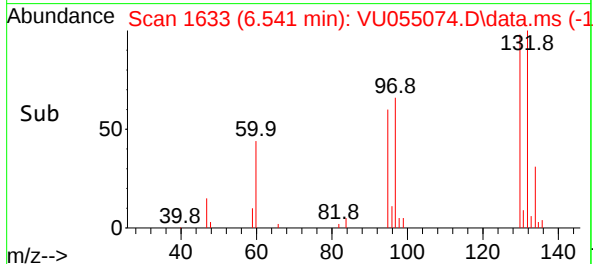
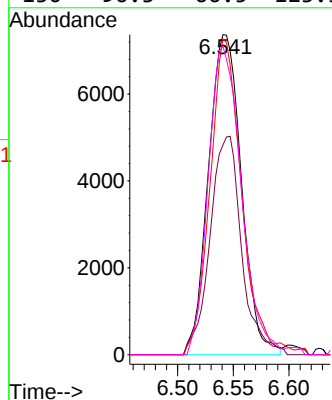
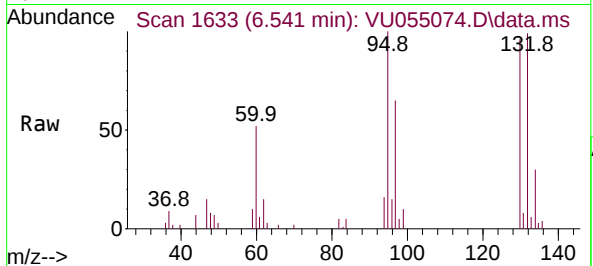


#34
Trichloroethene
Concen: 1.335 ug/L
RT: 6.541 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 15174

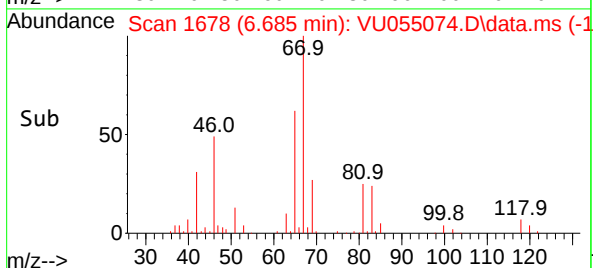
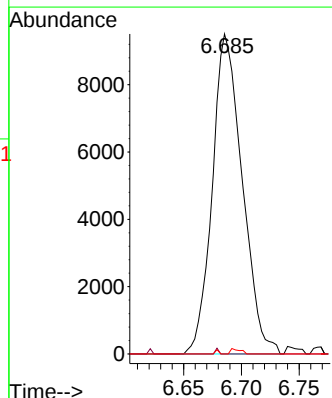
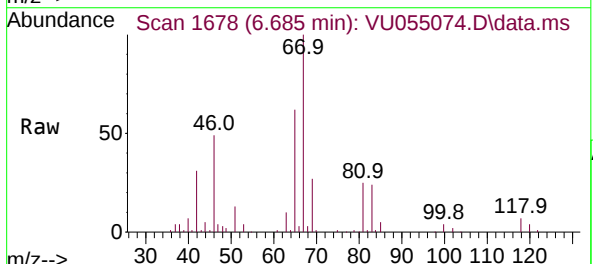
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.7	83.1
132	98.7	66.6	123.6
130	96.3	66.5	123.5

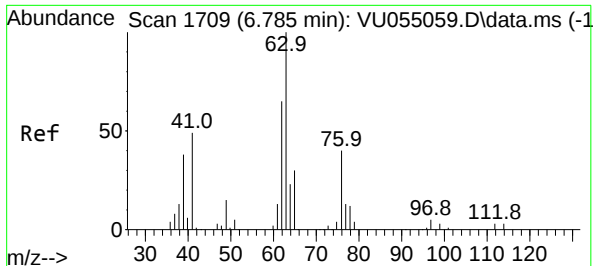


#35
Methylcyclohexane
Concen: 1.076 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion: 83 Resp: 17155

Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.4	90.6#
98	0.6	35.3	52.9#

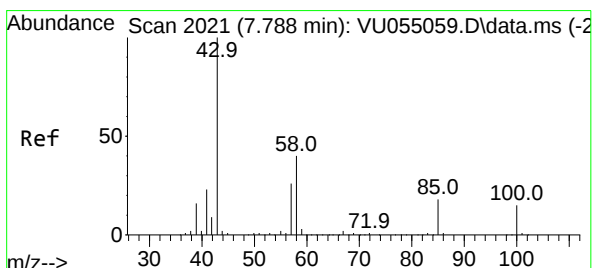
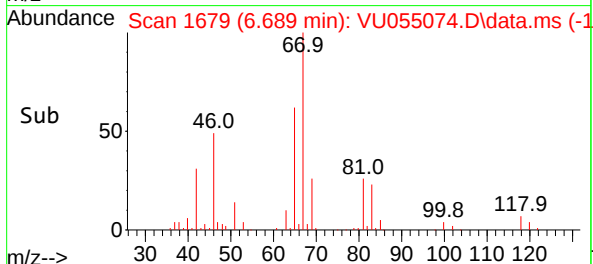
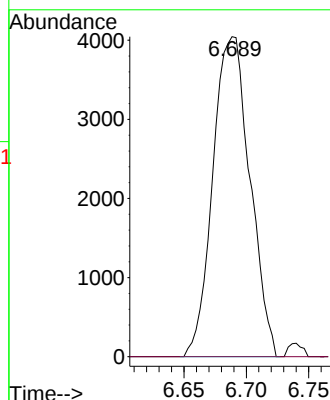
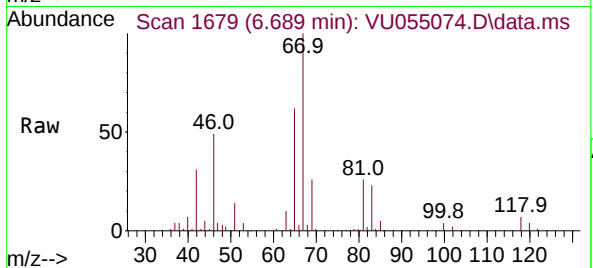




#37
1,2-Dichloropropane
Concen: 0.753 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

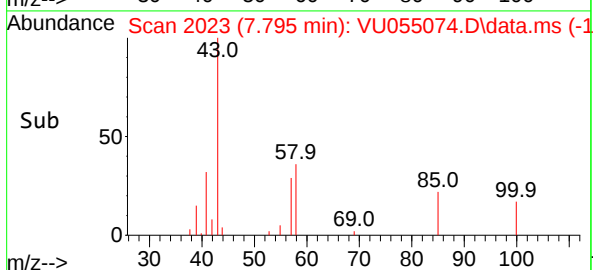
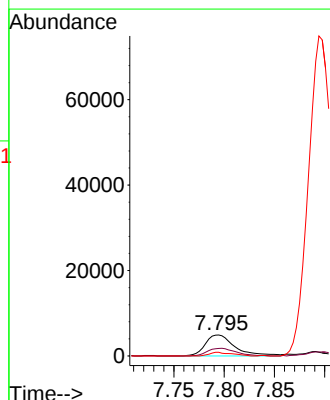
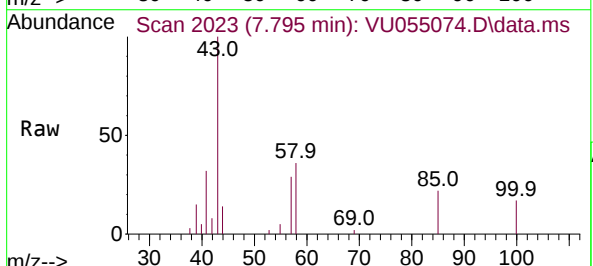
Instrument :
MSVOA_U
ClientSampleId :

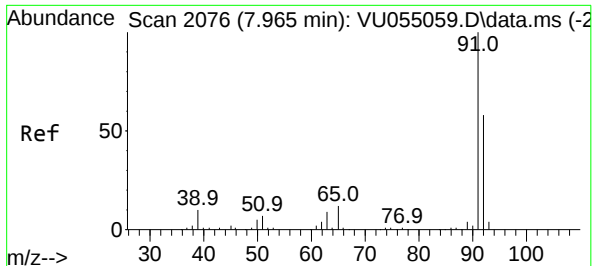
Tgt Ion: 63 Resp: 8378
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#40
4-Methyl-2-pentanone
Concen: 1.594 ug/L
RT: 7.795 min Scan# 2023
Delta R.T. 0.006 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion: 43 Resp: 10121
Ion Ratio Lower Upper
43 100
58 35.5 31.5 47.3
100 0.0 11.8 17.8#





#42

Toluene

Concen: 1.047 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Instrument :

MSVOA_U

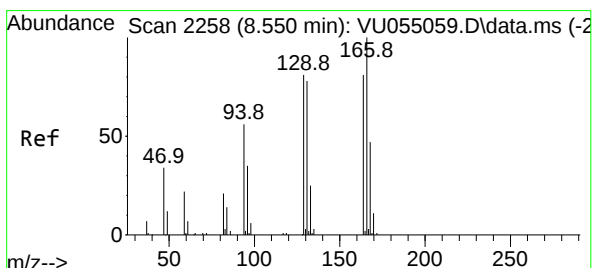
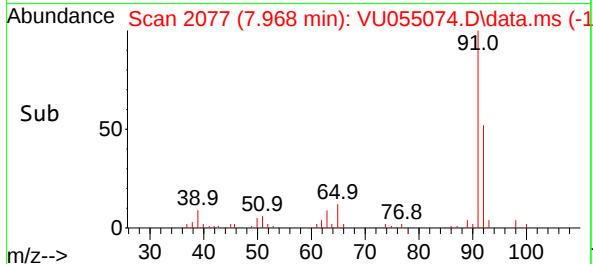
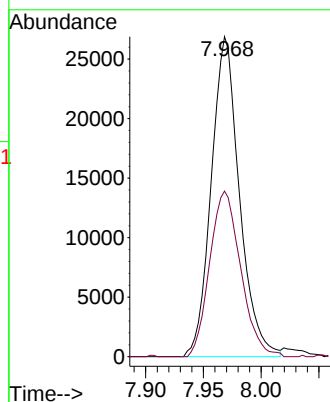
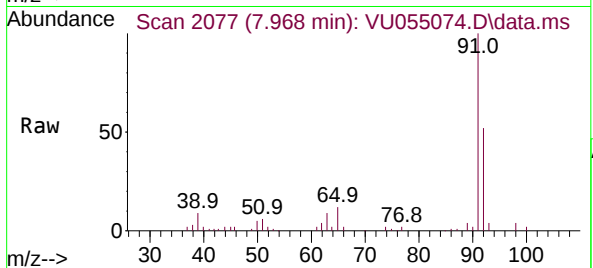
ClientSampleId :

Tgt Ion: 91 Resp: 45638

Ion Ratio Lower Upper

91 100

92 51.7 41.9 77.9



#47

Tetrachloroethene

Concen: 0.161 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Tgt Ion: 164 Resp: 1267

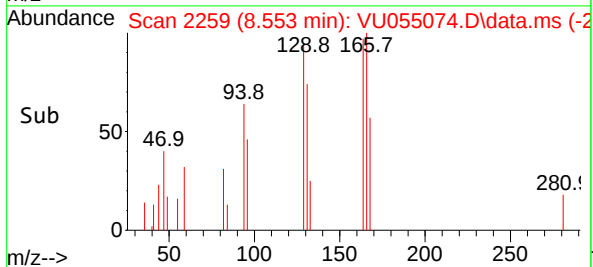
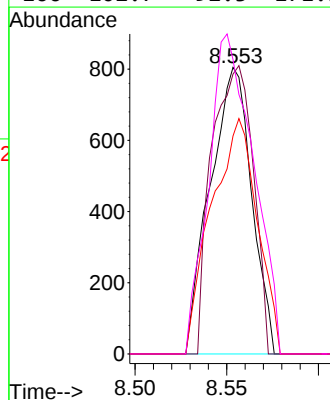
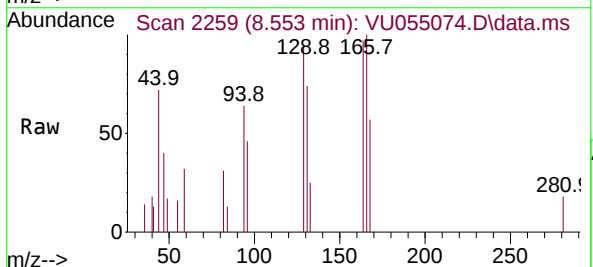
Ion Ratio Lower Upper

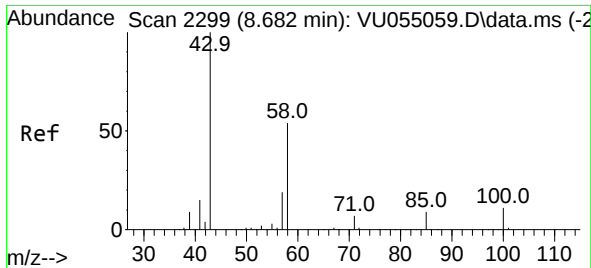
164 100

129 97.6 69.2 128.6

131 76.0 68.8 127.8

166 102.7 92.3 171.5

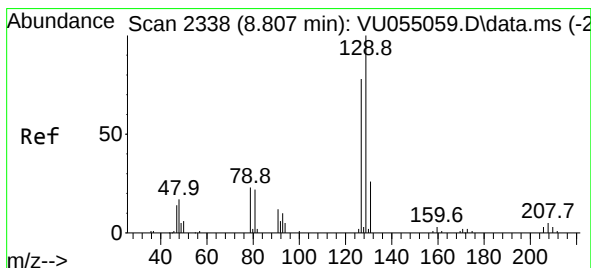
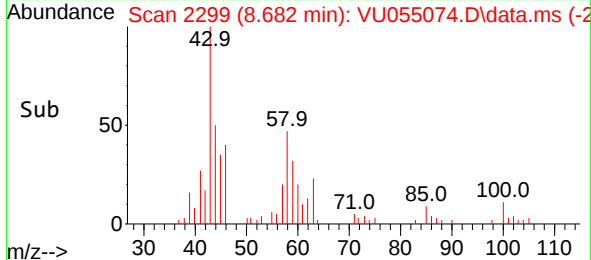
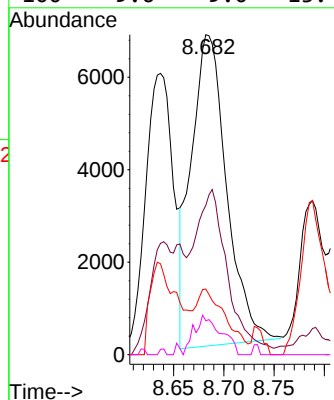
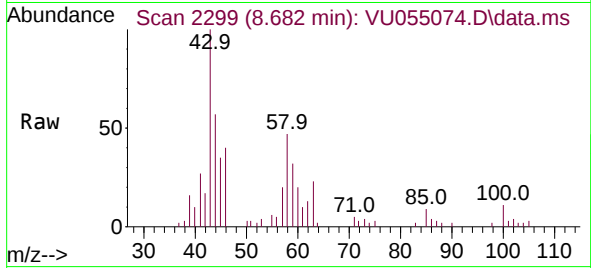




#48
2-Hexanone
Concen: 3.312 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

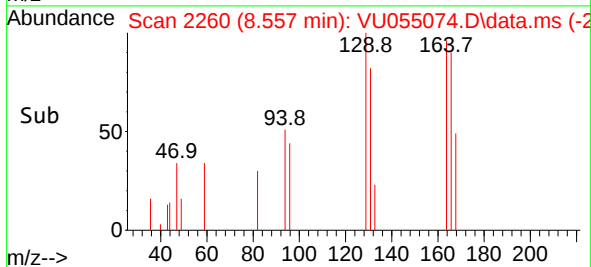
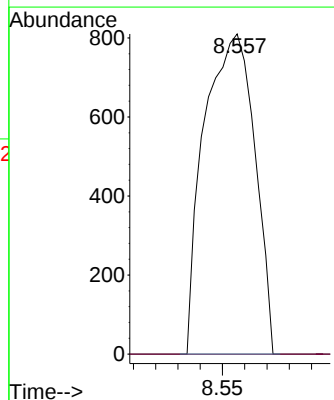
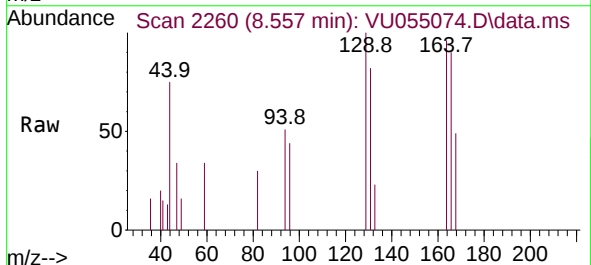
Instrument :
MSVOA_U
ClientSampleId :

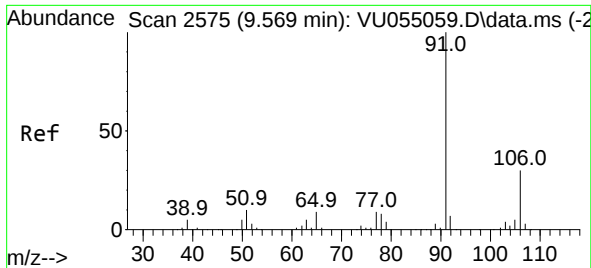
Tgt Ion:	43	Resp:	16471
Ion	Ratio	Lower	Upper
43	100		
58	49.6	44.0	66.0
57	17.3	16.2	24.2
100	9.6	9.0	13.4



#49
Dibromochloromethane
Concen: 0.156 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. -0.251 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion:	129	Resp:	1274
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.7#

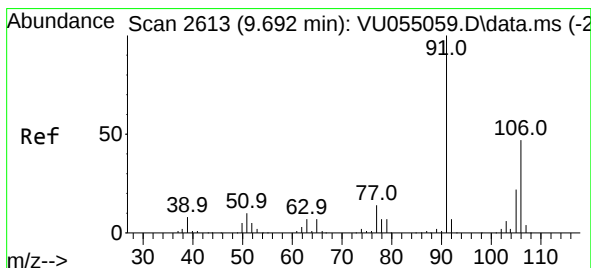
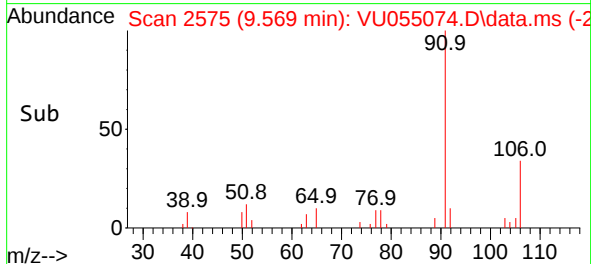
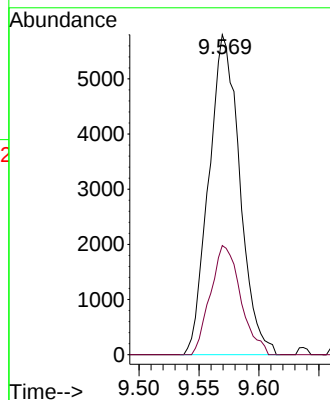
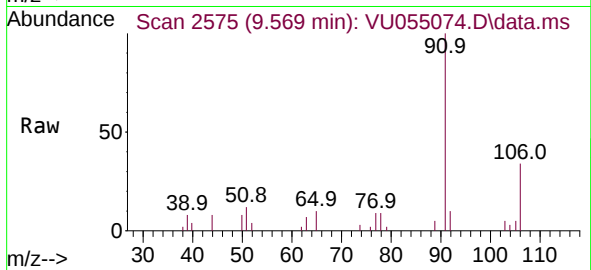




#52
Ethylbenzene
Concen: 0.214 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

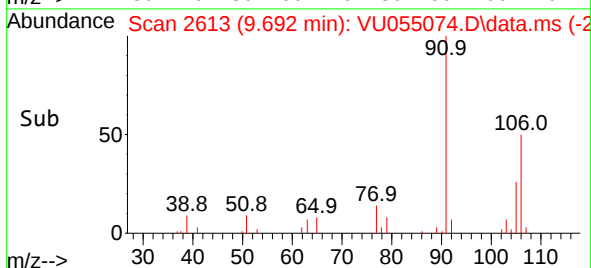
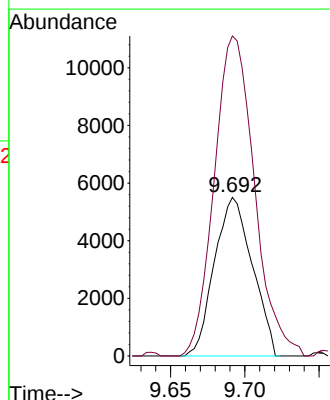
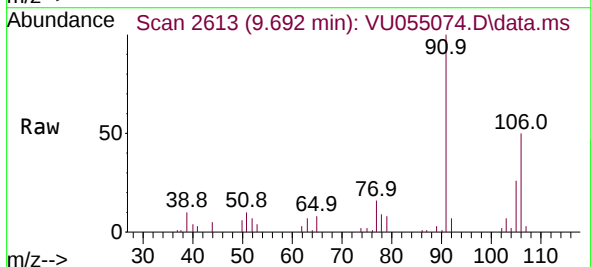
Instrument :
MSVOA_U
ClientSampleId :

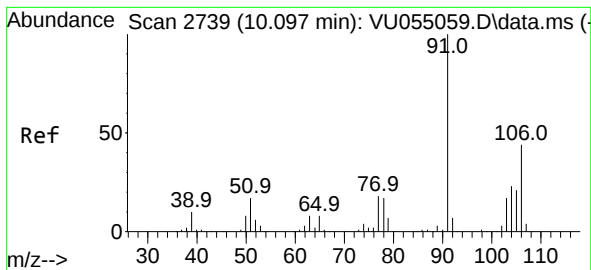
Tgt Ion: 91 Resp: 10413
Ion Ratio Lower Upper
91 100
106 34.1 21.5 39.9



#53
m,p-Xylene
Concen: 0.542 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055074.D
Acq: 02 Sep 2023 05:09

Tgt Ion: 106 Resp: 9771
Ion Ratio Lower Upper
106 100
91 201.7 148.3 275.5





#54

o-Xylene

Concen: 0.276 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Instrument :

MSVOA_U

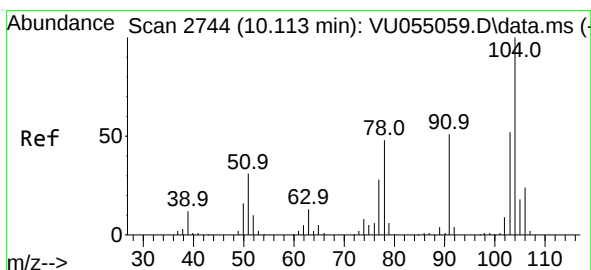
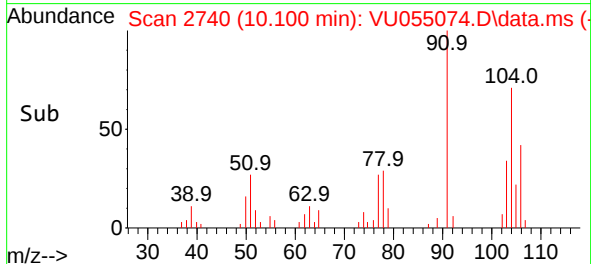
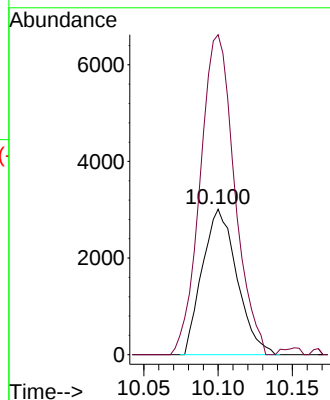
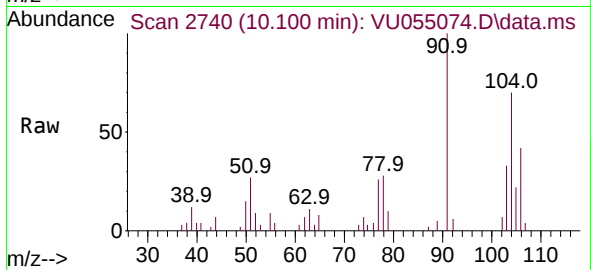
ClientSampleId :

Tgt Ion:106 Resp: 4894

Ion Ratio Lower Upper

106 100

91 220.1 152.9 284.1



#55

Styrene

Concen: 0.799 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055074.D

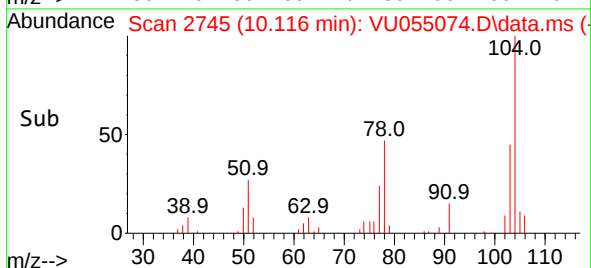
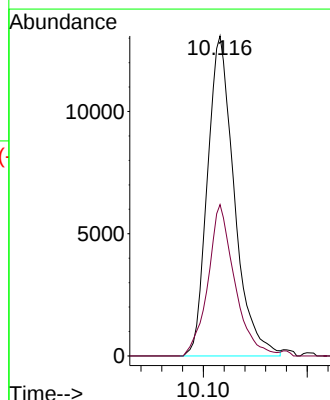
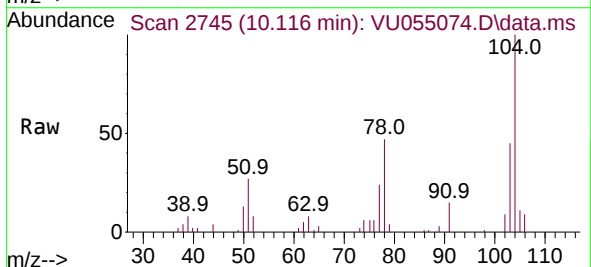
Acq: 02 Sep 2023 05:09

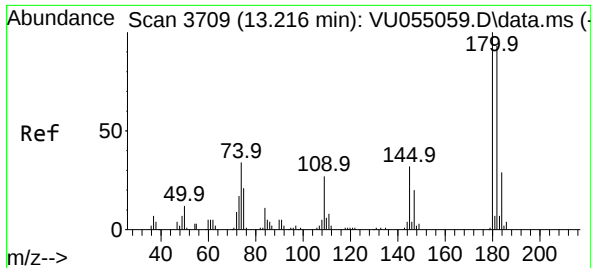
Tgt Ion:104 Resp: 23423

Ion Ratio Lower Upper

104 100

78 47.3 32.8 61.0





#69

1,3,5-Trichlorobenzene

Concen: 0.227 ug/L

RT: 13.846 min Scan# 3905

Delta R.T. 0.630 min

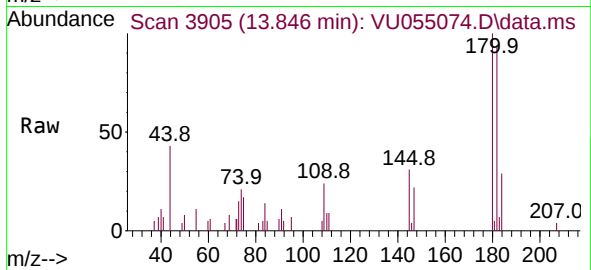
Lab File: VU055074.D

Acq: 02 Sep 2023 05:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3803

Ion Ratio Lower Upper

180 100

182 96.6 75.8 113.6

184 23.6 24.0 36.0#

145 30.5 26.3 39.5

