

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012924\
 Data File : VU057729.D
 Acq On : 29 Jan 2024 20:11
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 30 00:36:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 30 00:30:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	64507	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	58679	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	27554	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	19314	5.434	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.600%
7) Chloroethane-d5	1.911	69	16430	5.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.400%
11) 1,1-Dichloroethene-d2	2.560	65	9015	5.394	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.800%
20) 2-Butanone-d5	4.625	46	37040	55.243	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.480%
24) Chloroform-d	5.055	84	38638	5.356	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.695	65	18438	5.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
32) Benzene-d6	5.721	84	74997	5.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.000%
36) 1,2-Dichloropropane-d6	6.686	67	22316	5.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.891	98	69785	5.341	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
43) trans-1,3-Dichloroprop...	8.174	79	8218	4.967	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.628	63	30176	57.161	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.320%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	15507	5.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	22271	5.759	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	21698	3.970	ug/L	100
3) Chloromethane	1.519	50	22350	4.087	ug/L	99
5) Vinyl chloride	1.602	62	24469	4.203	ug/L	99
6) Bromomethane	1.856	94	11957	3.940	ug/L	93
8) Chloroethane	1.930	64	16313	4.679	ug/L	93
9) Trichlorofluoromethane	2.133	101	38231	4.409	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	21096	4.185	ug/L	97
12) 1,1-Dichloroethene	2.576	96	18994	4.051	ug/L	97
13) Acetone	2.641	43	24310	38.156	ug/L	97
14) Carbon disulfide	2.789	76	60329	3.969	ug/L	98
15) Methyl Acetate	2.953	43	6551	3.996	ug/L	94
16) Methylene chloride	3.039	84	21141	4.201	ug/L	93
17) Methyl tert-butyl Ether	3.355	73	47656	4.275	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	20622	4.176	ug/L	99
19) 1,1-Dichloroethane	3.863	63	39032	4.281	ug/L	98
21) 2-Butanone	4.705	43	39458	39.483	ug/L	95
22) cis-1,2-Dichloroethene	4.657	96	42902	8.082	ug/L	99
23) Bromochloromethane	4.969	128	8901	4.174	ug/L	89
25) Chloroform	5.081	83	40803	4.217	ug/L	99

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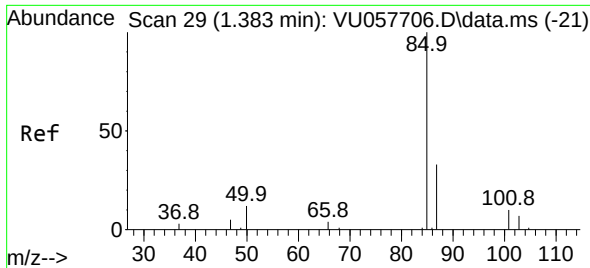
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	25171	4.466	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	36463	4.233	ug/L	99
30) Cyclohexane	5.380	56	34214	4.117	ug/L	99
31) Carbon tetrachloride	5.518	117	32103	4.225	ug/L	99
33) Benzene	5.766	78	87569	4.351	ug/L	100
34) Trichloroethene	6.538	95	23600	4.253	ug/L	97
35) Methylcyclohexane	6.756	83	37224	4.153	ug/L	98
37) 1,2-Dichloropropane	6.785	63	22292	4.427	ug/L	99
38) Bromodichloromethane	7.100	83	28801	4.251	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	32564	4.161	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	99415	41.377	ug/L	99
42) Toluene	7.962	91	94290	4.345	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	26595	4.182	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	13906	4.246	ug/L	99
47) Tetrachloroethene	8.547	164	16868	4.137	ug/L	98
48) 2-Hexanone	8.679	43	70152	41.610	ug/L	97
49) Dibromochloromethane	8.801	129	17861	4.211	ug/L	98
50) 1,2-Dibromoethane	8.917	107	13461	4.235	ug/L	96
51) Chlorobenzene	9.441	112	58004	4.261	ug/L	98
52) Ethylbenzene	9.563	91	104991	4.294	ug/L	100
53) m,p-Xylene	9.689	106	38173	4.231	ug/L	98
54) o-Xylene	10.094	106	37568	4.271	ug/L	97
55) Styrene	10.110	104	57526	4.275	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	16789	4.225	ug/L	96
59) Bromoform	10.287	173	9404	4.201	ug/L	98
60) Isopropylbenzene	10.480	105	92004	4.262	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	12077	4.367	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	81987	4.261	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	82514	4.285	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	42519	4.315	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	40356	4.278	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	38087	4.331	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	2529	4.858	ug/L	88
69) 1,3,5-Trichlorobenzene	13.213	180	30951	4.279	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	23928	4.516	ug/L	99
71) Naphthalene	14.081	128	34591	4.612	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	18973	4.600	ug/L	97

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

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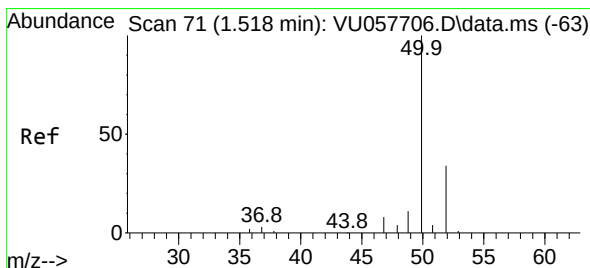
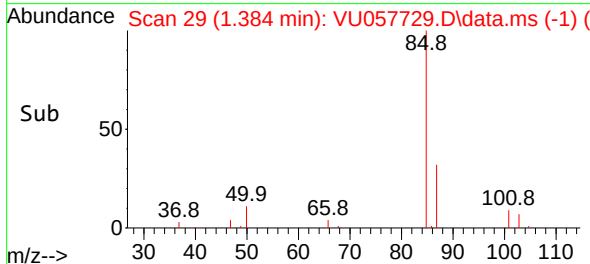
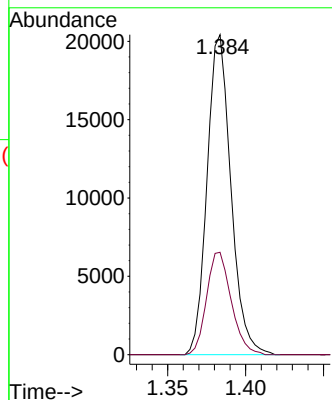
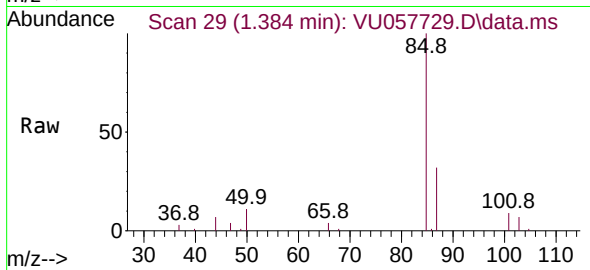




#2
 Dichlorodifluoromethane
 Concen: 3.970 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

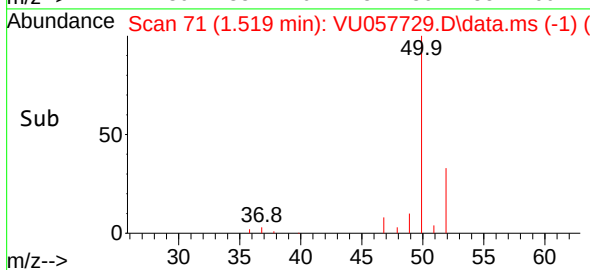
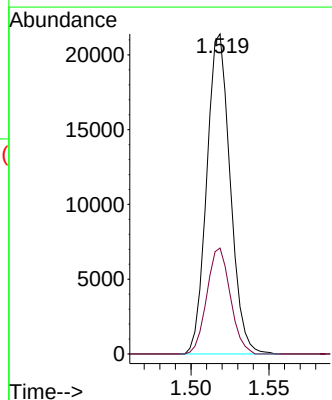
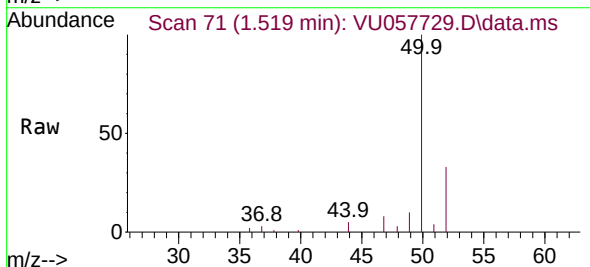
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 MSVOA_U
 ClientSampleId :

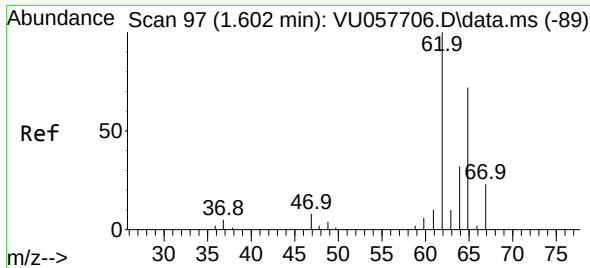
Tgt Ion: 85 Resp: 21698
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.4 39.6



#3
 Chloromethane
 Concen: 4.087 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

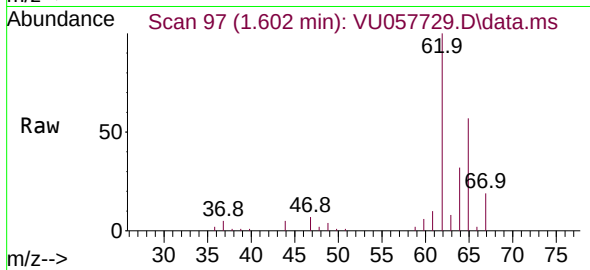
Tgt Ion: 50 Resp: 22350
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 43.9



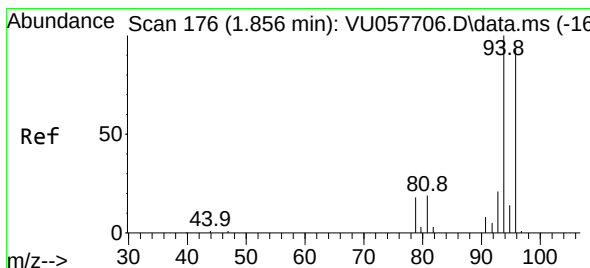
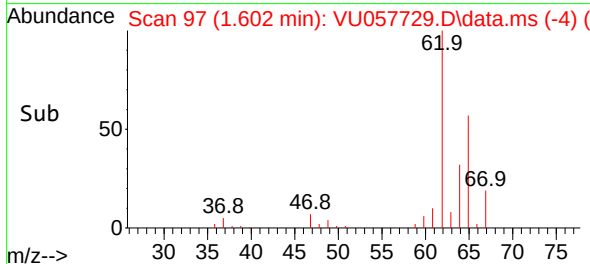
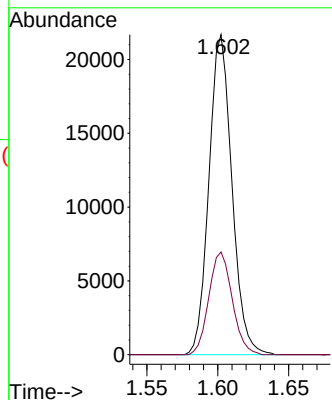


#5
Vinyl chloride
Concen: 4.203 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Instrument :
MSVOA_U
ClientSampleId :

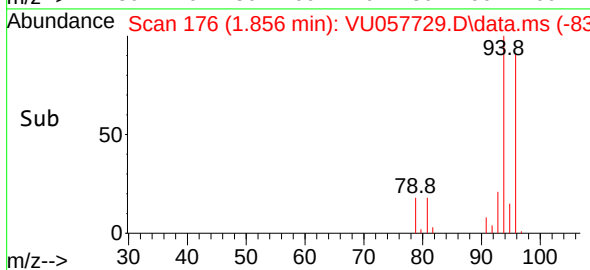
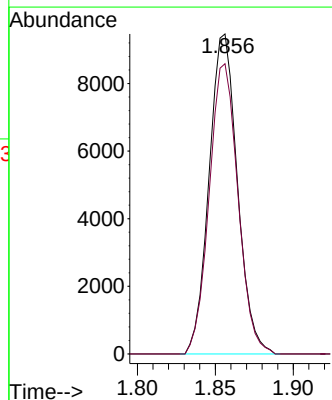
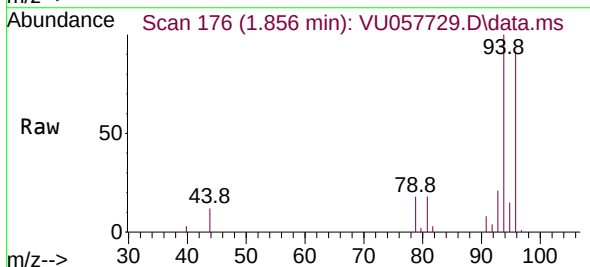


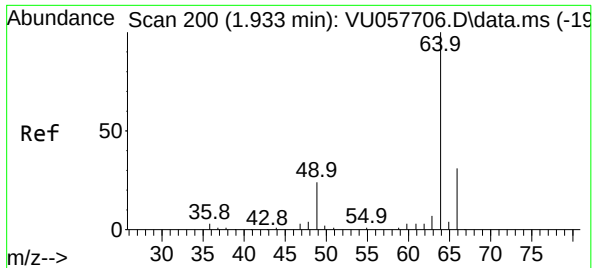
Tgt Ion: 62 Resp: 24469
Ion Ratio Lower Upper
62 100
64 32.1 22.8 42.4



#6
Bromomethane
Concen: 3.940 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion: 94 Resp: 11957
Ion Ratio Lower Upper
94 100
96 90.7 68.0 126.4

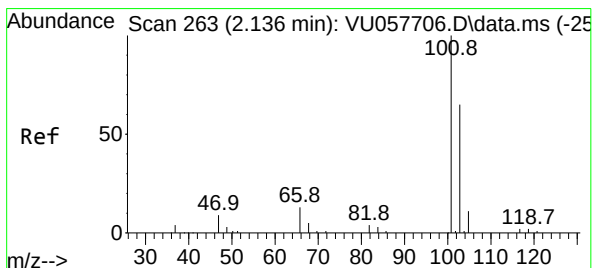
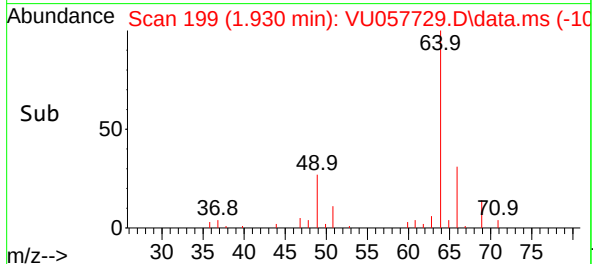
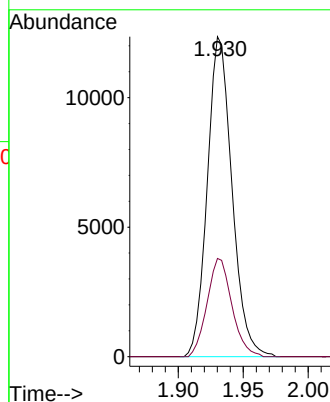
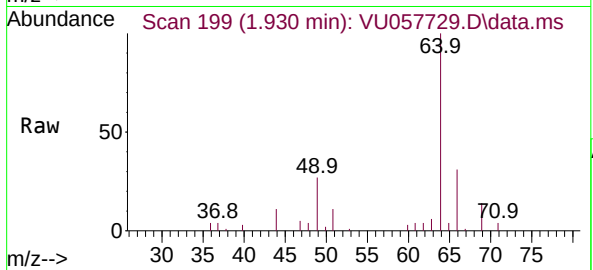




#8
Chloroethane
Concen: 4.679 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

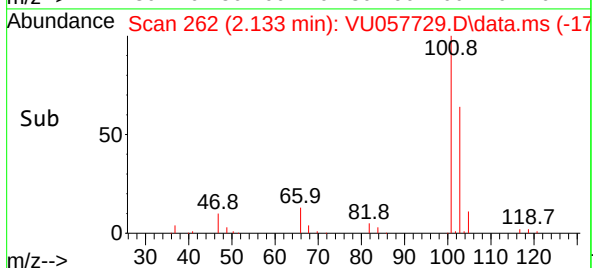
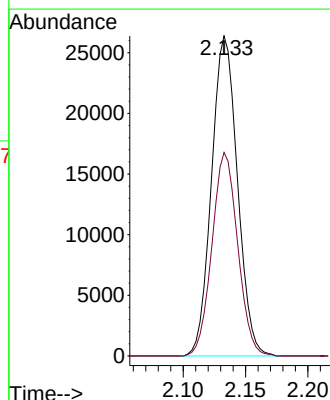
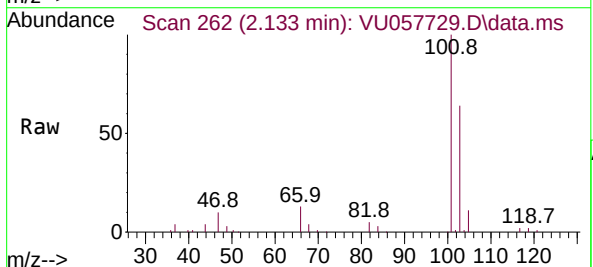
Instrument :
MSVOA_U
ClientSampleId :

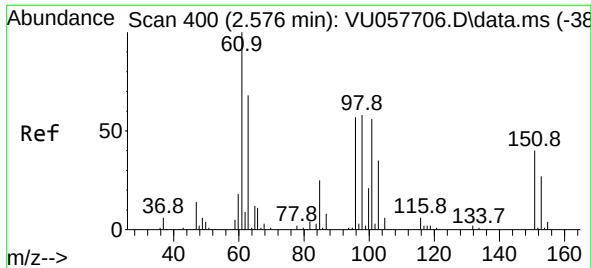
Tgt Ion: 64 Resp: 16313
Ion Ratio Lower Upper
64 100
66 30.7 24.5 45.5



#9
Trichlorofluoromethane
Concen: 4.409 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion:101 Resp: 38231
Ion Ratio Lower Upper
101 100
103 63.0 52.2 78.2

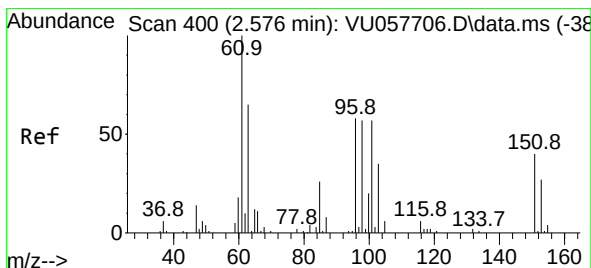
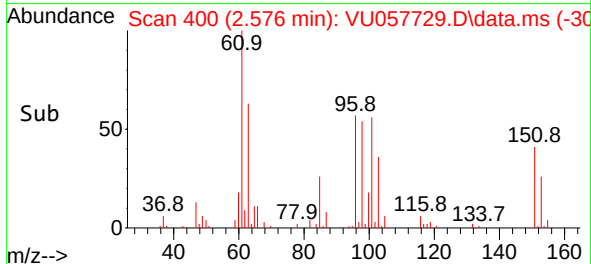
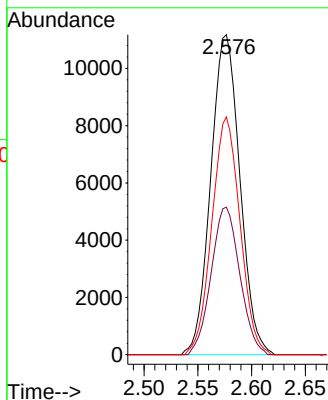
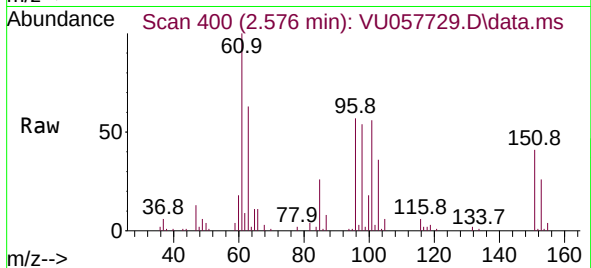




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.185 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

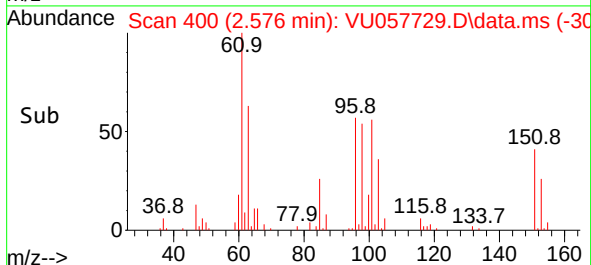
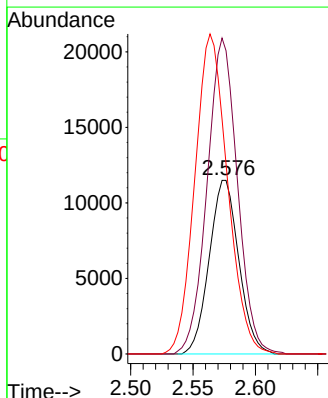
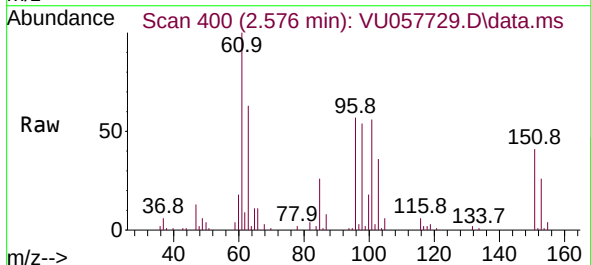
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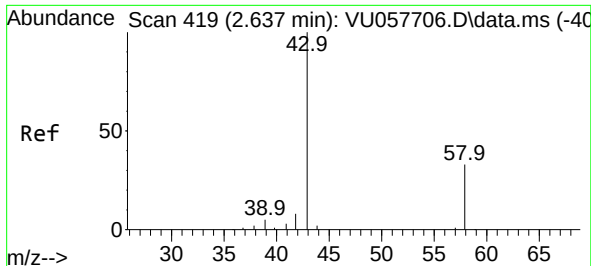
Tgt Ion:101 Resp: 21096
 Ion Ratio Lower Upper
 101 100
 85 45.3 35.8 53.8
 151 71.8 60.0 90.0



#12
 1,1-Dichloroethene
 Concen: 4.051 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

Tgt Ion: 96 Resp: 18994
 Ion Ratio Lower Upper
 96 100
 61 174.6 120.7 224.1
 63 109.4 72.5 134.7





#13

Acetone

Concen: 38.156 ug/L

RT: 2.641 min Scan# 419

Delta R.T. 0.004 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

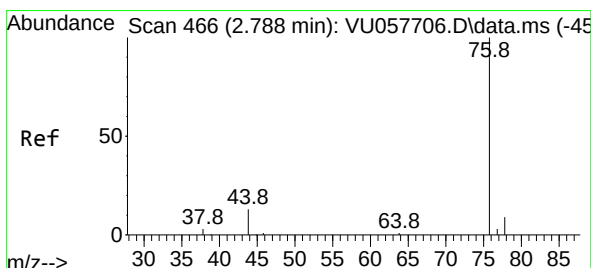
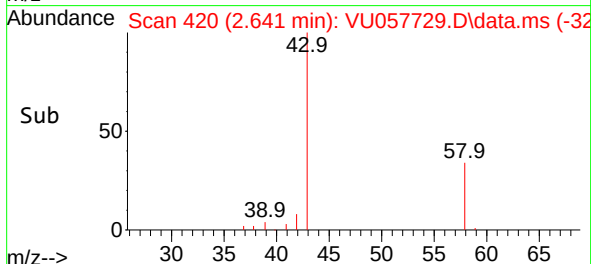
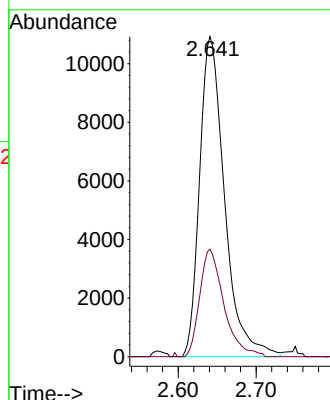
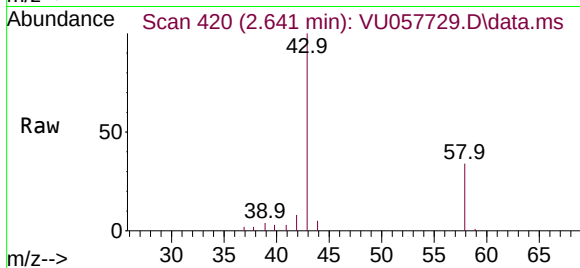
ClientSampleId :

Tgt Ion: 43 Resp: 24310

Ion Ratio Lower Upper

43 100

58 32.5 0.0 61.4



#14

Carbon disulfide

Concen: 3.969 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057729.D

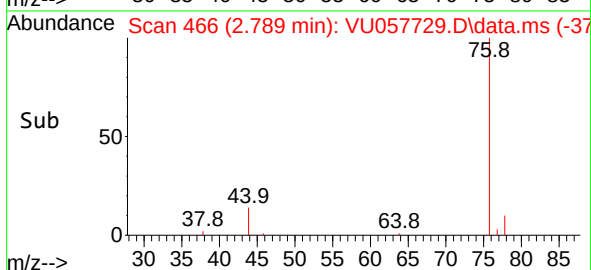
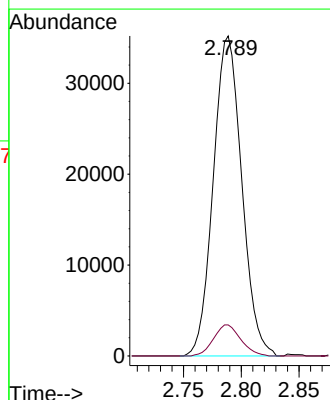
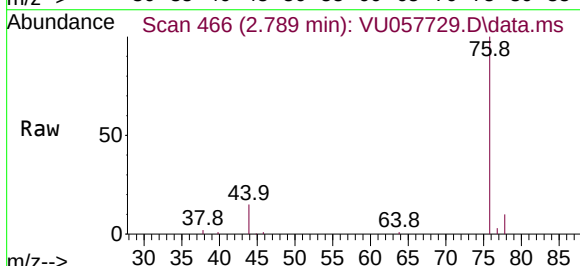
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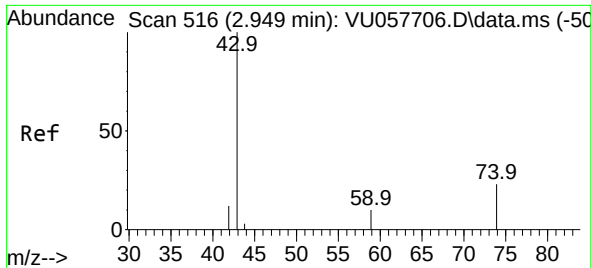
Tgt Ion: 76 Resp: 60329

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

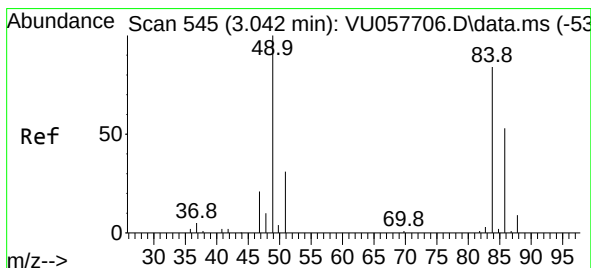
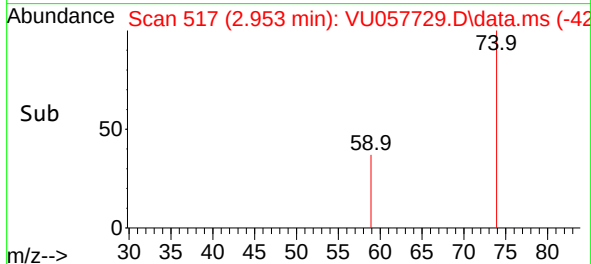
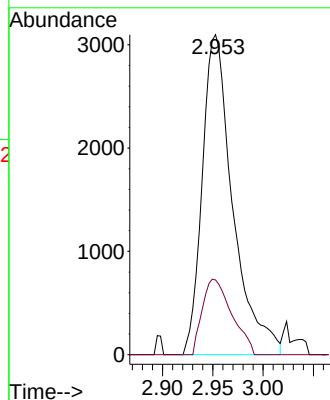
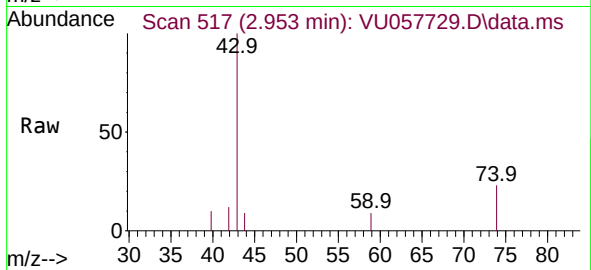




#15
Methyl Acetate
Concen: 3.996 ug/L
RT: 2.953 min Scan# 516
Delta R.T. 0.004 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

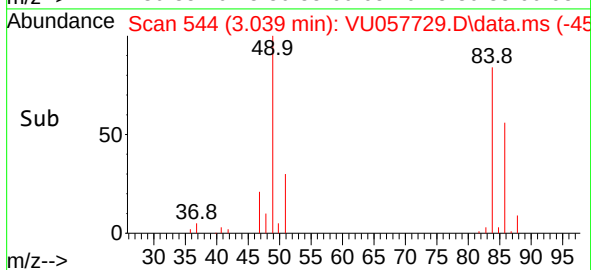
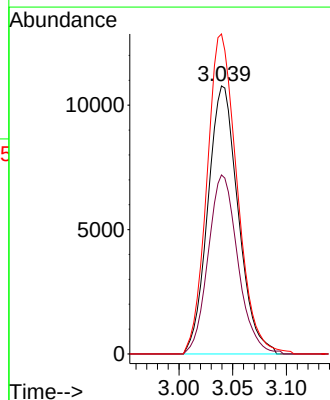
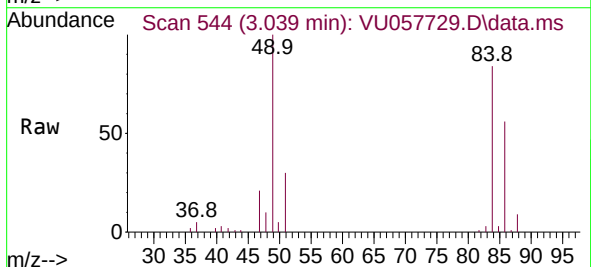
Instrument :
MSVOA_U
ClientSampleId :

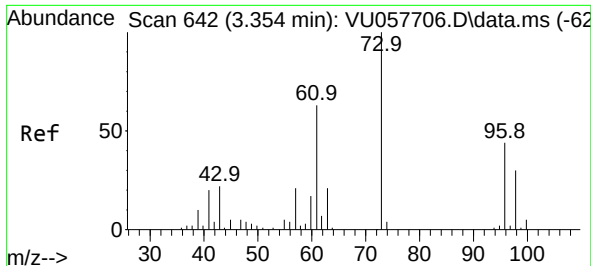
Tgt Ion: 43 Resp: 6551
Ion Ratio Lower Upper
43 100
74 22.7 20.7 31.1



#16
Methylene chloride
Concen: 4.201 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

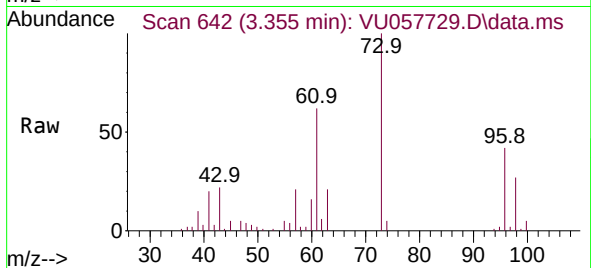
Tgt Ion: 84 Resp: 21141
Ion Ratio Lower Upper
84 100
86 66.8 43.5 80.9
49 125.3 82.5 153.1



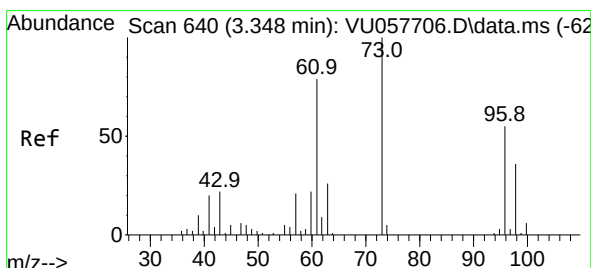
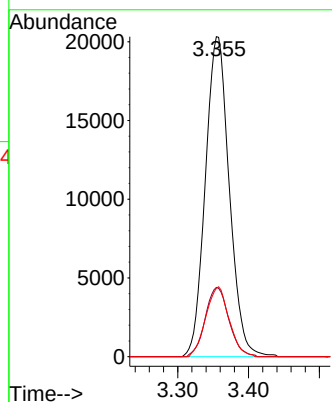
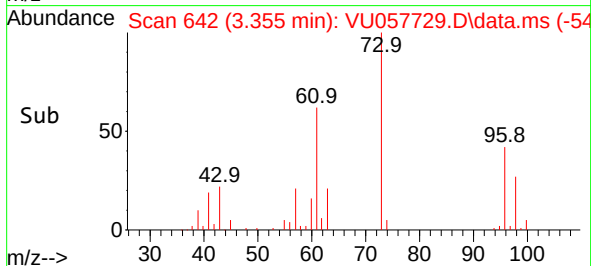


#17
Methyl tert-butyl Ether
Concen: 4.275 ug/L
RT: 3.355 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Instrument :
MSVOA_U
ClientSampleId :

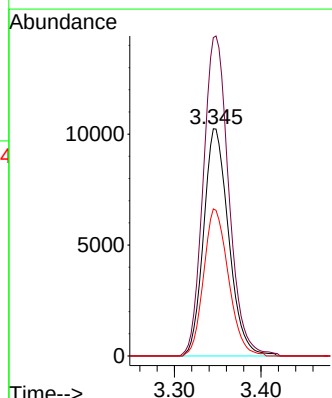
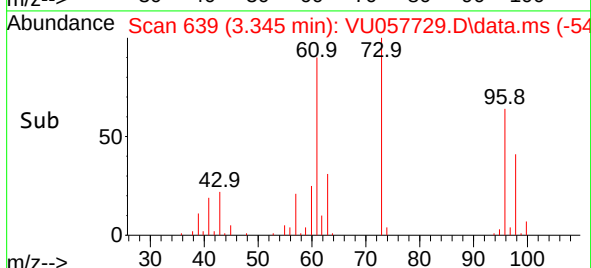
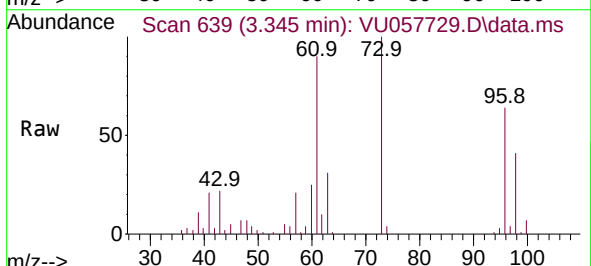


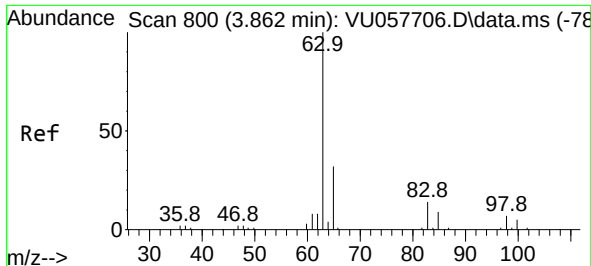
Tgt Ion: 73 Resp: 47656
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 21.3 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 4.176 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion: 96 Resp: 20622
Ion Ratio Lower Upper
96 100
61 140.2 99.3 184.5
98 64.7 44.5 82.7





#19

1,1-Dichloroethane

Concen: 4.281 ug/L

RT: 3.863 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU057729.D

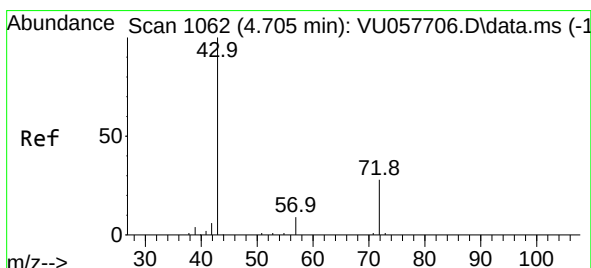
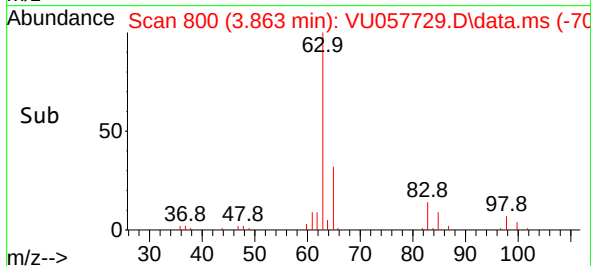
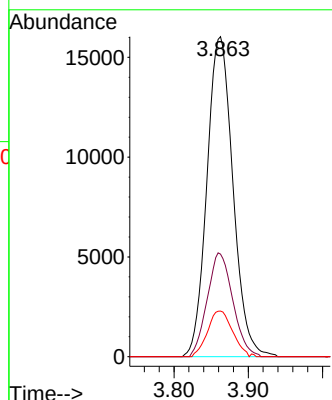
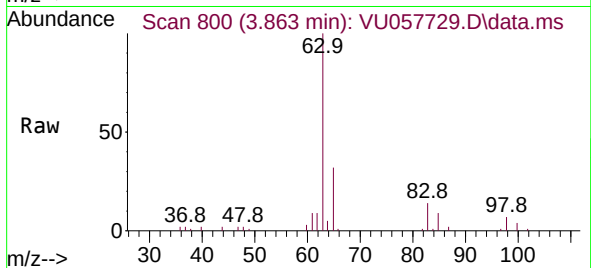
Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	39032
Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.0	42.8
83	13.6	9.7	17.9



#21

2-Butanone

Concen: 39.483 ug/L

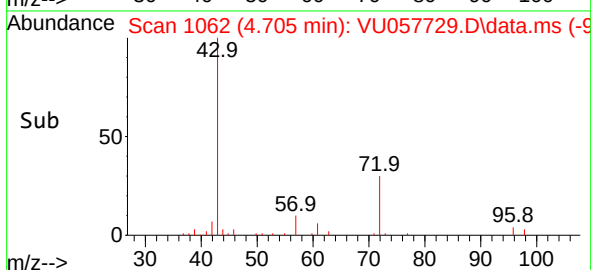
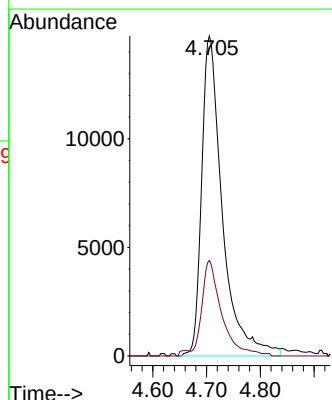
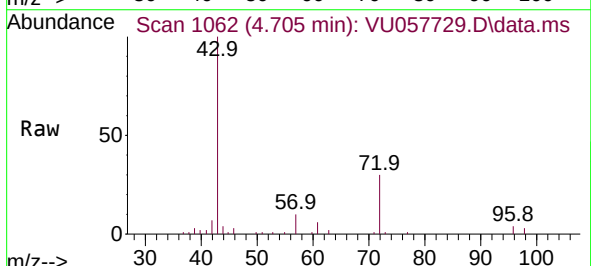
RT: 4.705 min Scan# 1062

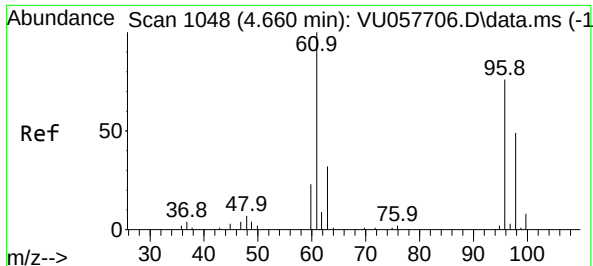
Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

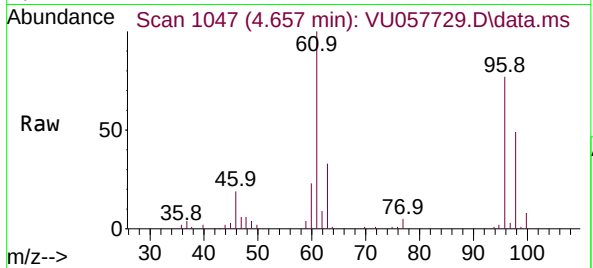
Tgt Ion:	43	Resp:	39458
Ion	Ratio	Lower	Upper
43	100		
72	26.8	14.7	44.1





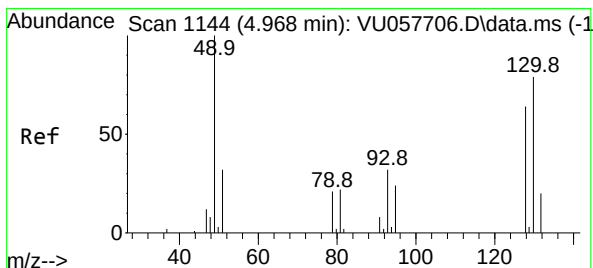
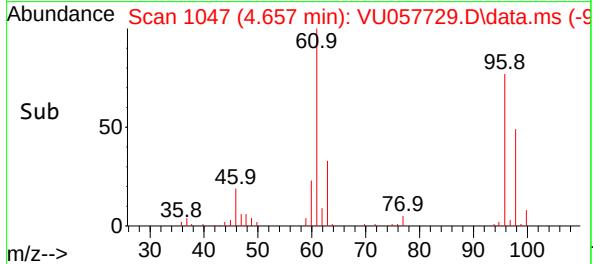
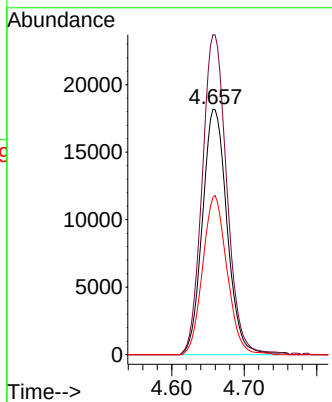
#22
 cis-1,2-Dichloroethene
 Concen: 8.082 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 42902

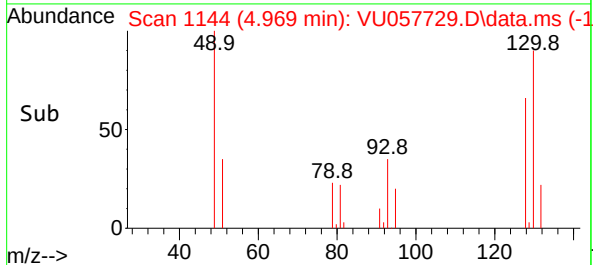
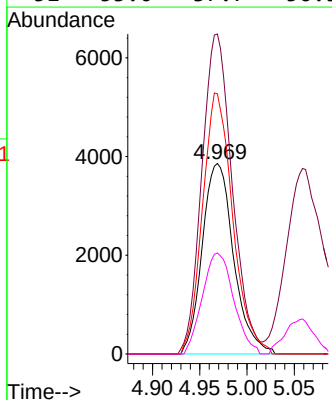
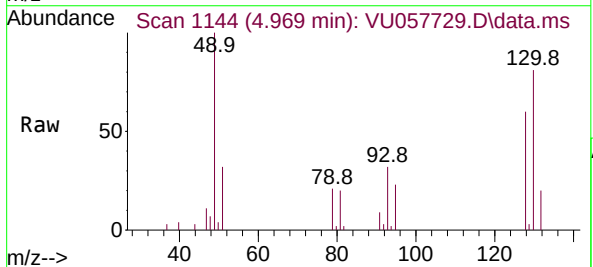
Ion	Ratio	Lower	Upper
96	100		
61	130.4	92.7	172.1
98	64.1	44.9	83.5

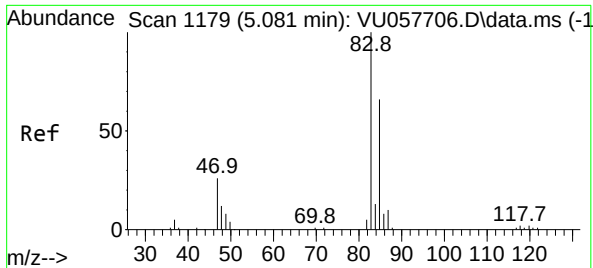


#23
 Bromochloromethane
 Concen: 4.174 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057729.D
 Acq: 29 Jan 2024 20:11

Tgt Ion: 128 Resp: 8901

Ion	Ratio	Lower	Upper
128	100		
49	175.2	111.5	207.1
130	136.5	87.2	162.0
51	53.0	37.7	56.5





#25

Chloroform

Concen: 4.217 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

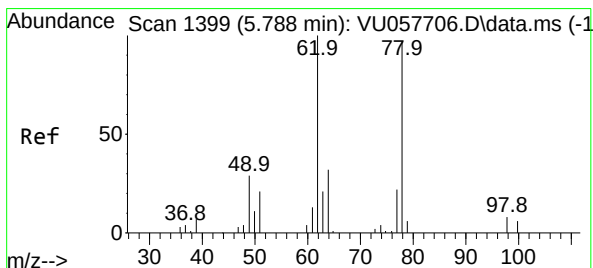
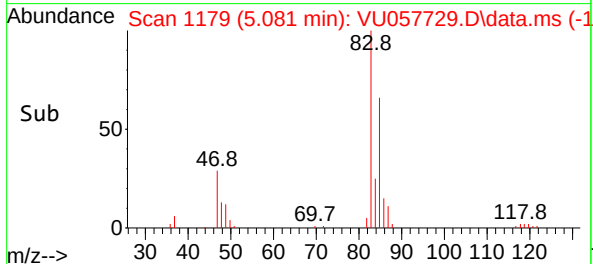
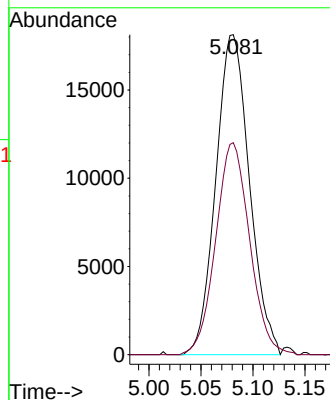
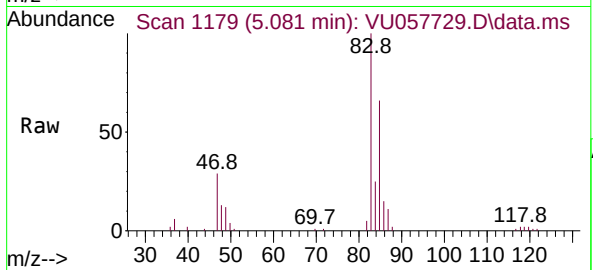
ClientSampleId :

Tgt Ion: 83 Resp: 40803

Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.466 ug/L

RT: 5.789 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU057729.D

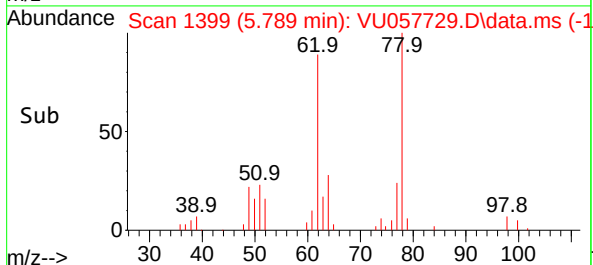
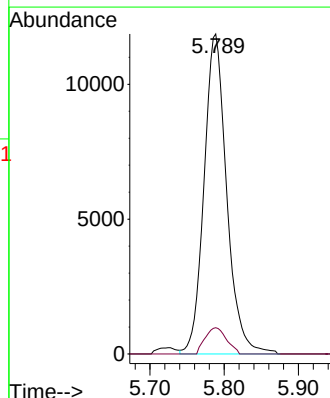
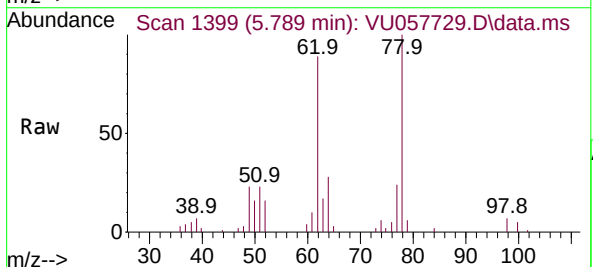
Acq: 29 Jan 2024 20:11

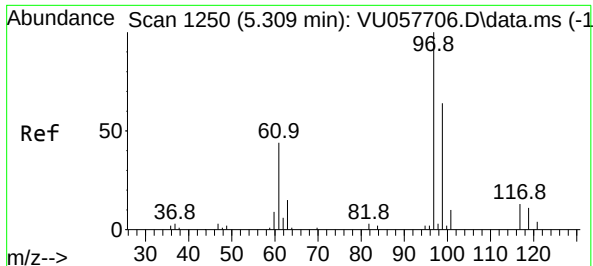
Tgt Ion: 62 Resp: 25171

Ion Ratio Lower Upper

62 100

98 8.2 6.9 10.3

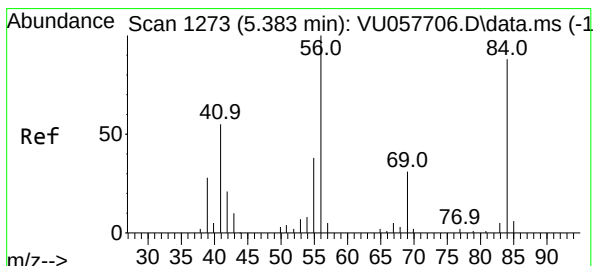
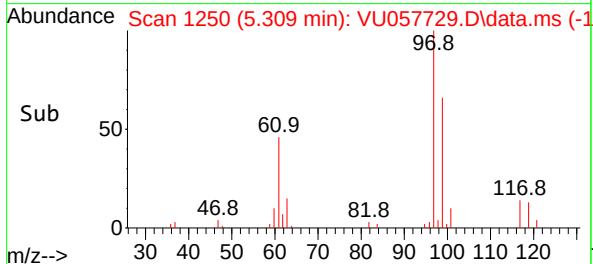
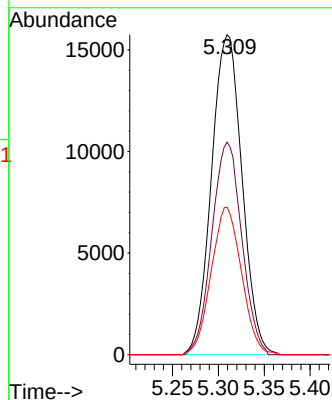
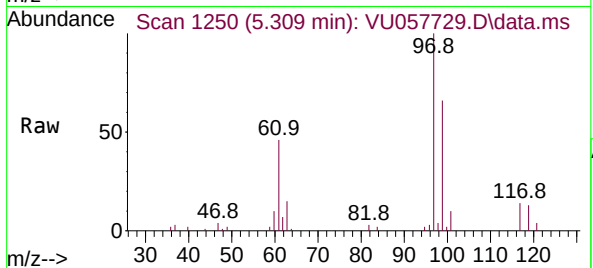




#29
1,1,1-Trichloroethane
Concen: 4.233 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

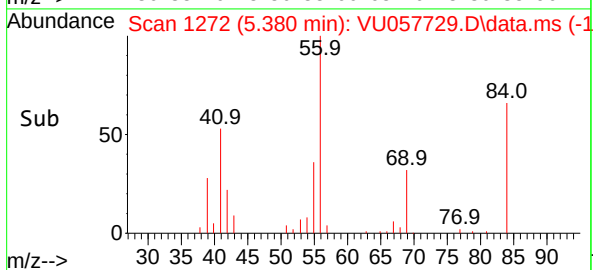
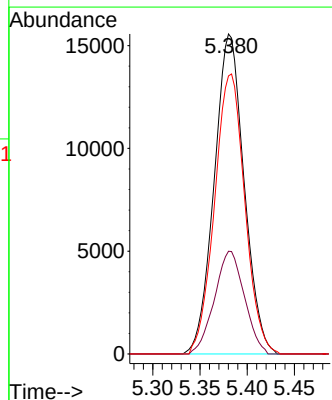
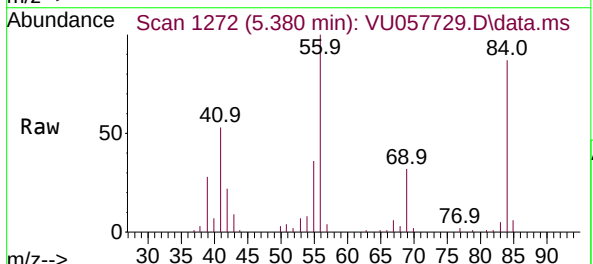
Instrument :
MSVOA_U
ClientSampleId :

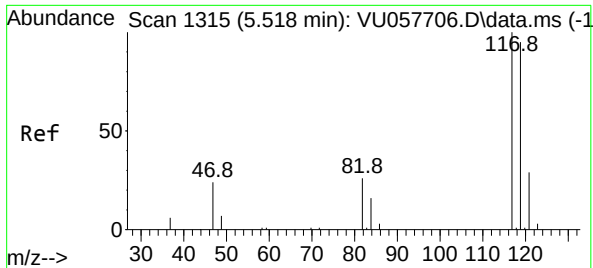
Tgt Ion:	97	Resp:	36463
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	45.7	35.3	52.9



#30
Cyclohexane
Concen: 4.117 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion:	56	Resp:	34214
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	88.5	72.0	108.0

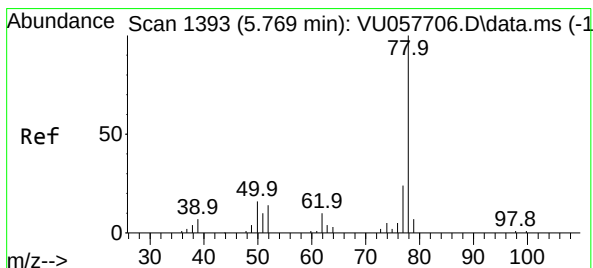
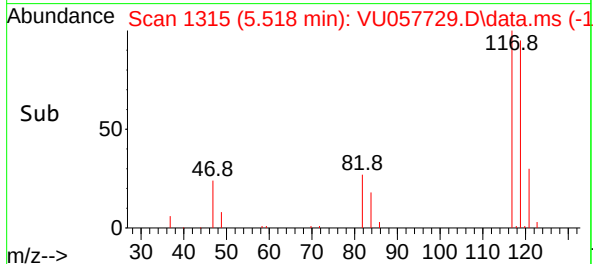
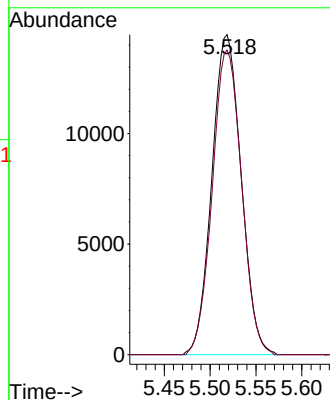
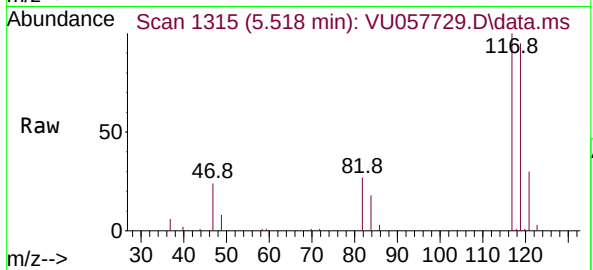




#31
Carbon tetrachloride
Concen: 4.225 ug/L
RT: 5.518 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

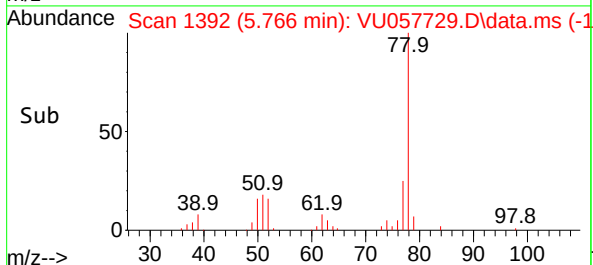
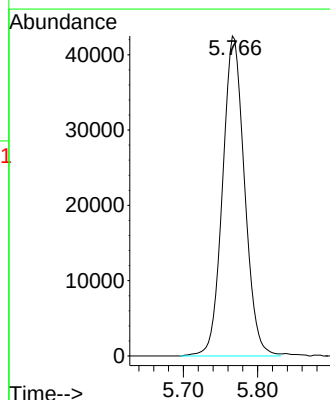
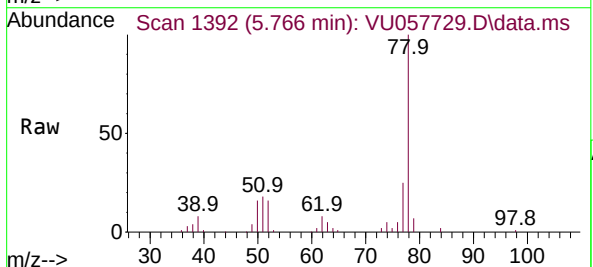
Instrument :
MSVOA_U
ClientSampleId :

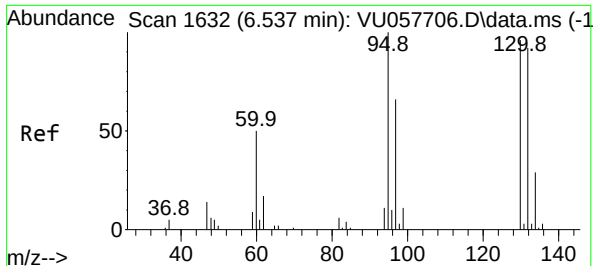
Tgt Ion:117 Resp: 32103
Ion Ratio Lower Upper
117 100
119 95.3 75.6 113.4



#33
Benzene
Concen: 4.351 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

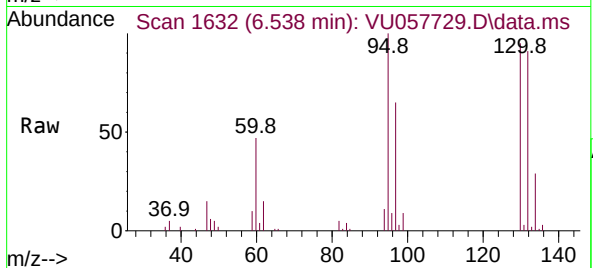
Tgt Ion: 78 Resp: 87569



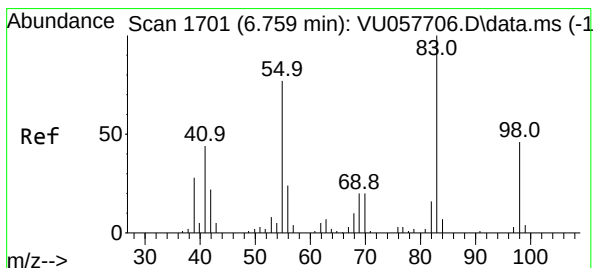
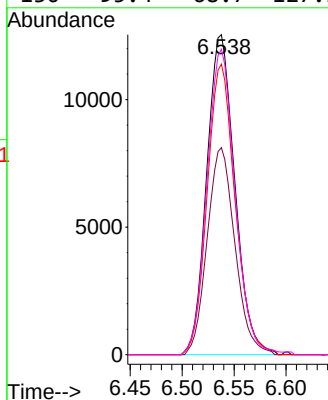
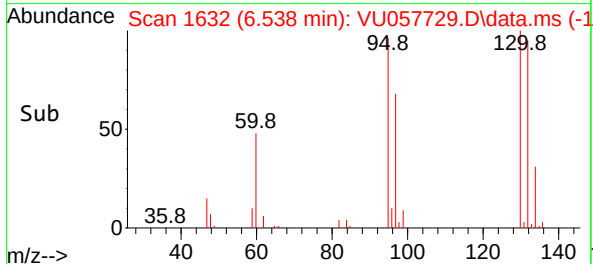


#34
Trichloroethene
Concen: 4.253 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

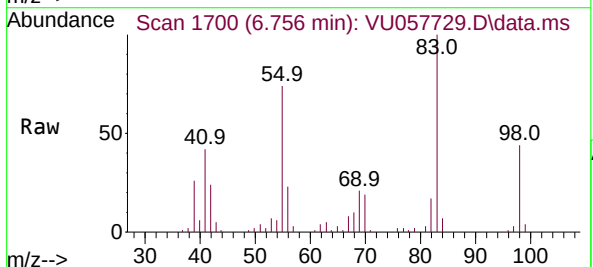
Instrument :
MSVOA_U
ClientSampleId :



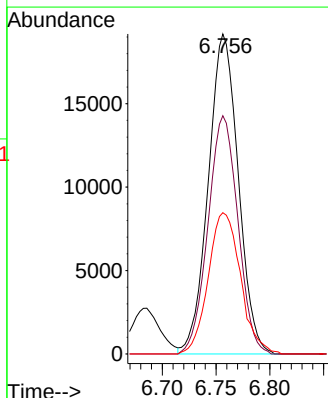
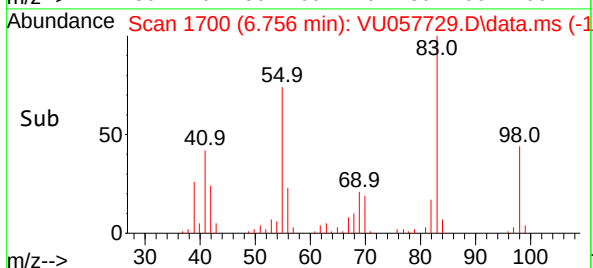
Tgt Ion: 95 Resp: 23600
Ion Ratio Lower Upper
95 100
97 64.7 46.1 85.5
132 90.8 66.1 122.8
130 95.4 68.7 127.5

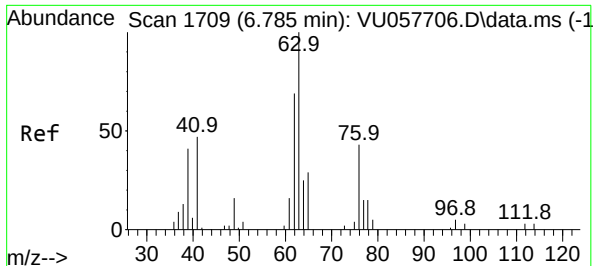


#35
Methylcyclohexane
Concen: 4.153 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11



Tgt Ion: 83 Resp: 37224
Ion Ratio Lower Upper
83 100
55 74.1 61.4 92.0
98 47.4 38.2 57.4

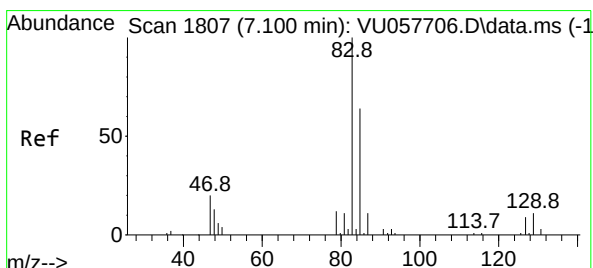
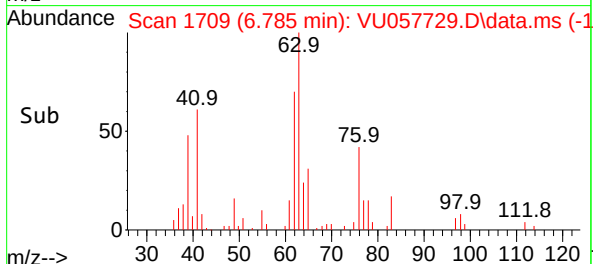
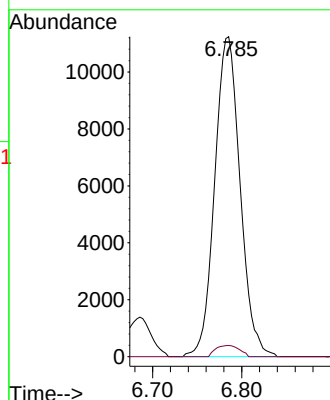
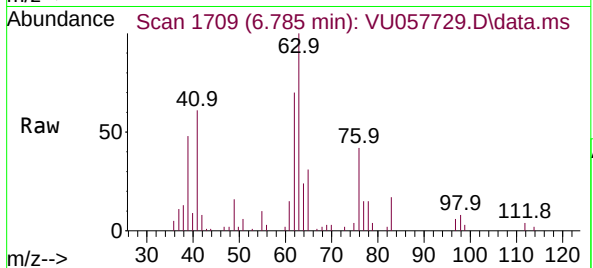




#37
1,2-Dichloropropane
Concen: 4.427 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

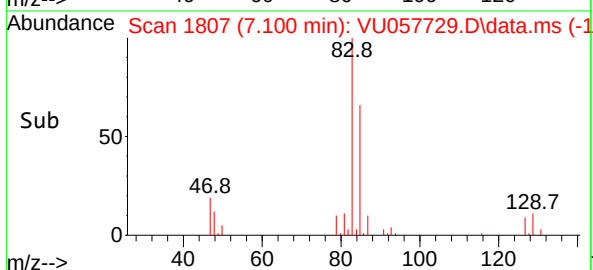
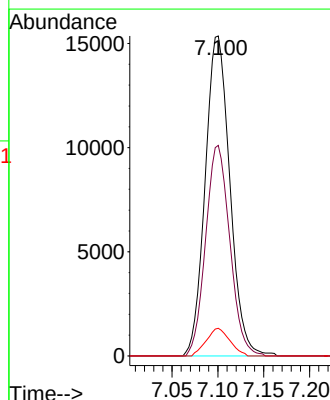
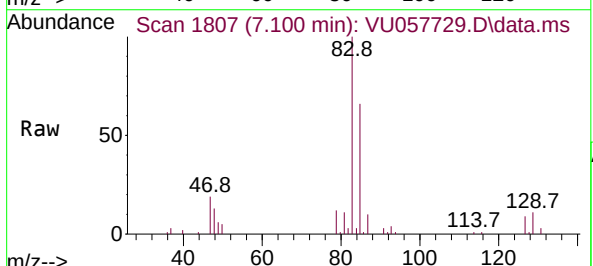
Instrument :
MSVOA_U
ClientSampleId :

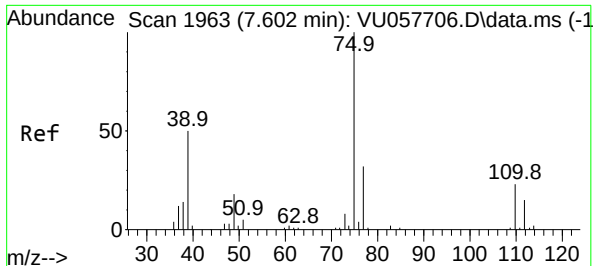
Tgt Ion: 63 Resp: 22292
Ion Ratio Lower Upper
63 100
112 3.3 3.0 4.4



#38
Bromodichloromethane
Concen: 4.251 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion: 83 Resp: 28801
Ion Ratio Lower Upper
83 100
85 66.6 44.7 83.1
127 8.6 6.4 9.6

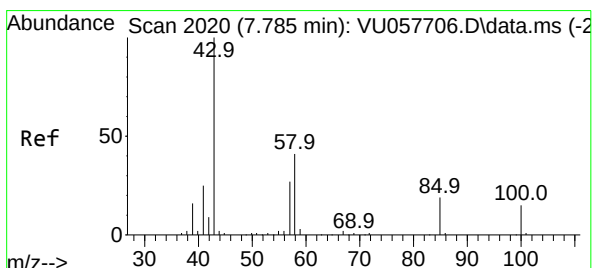
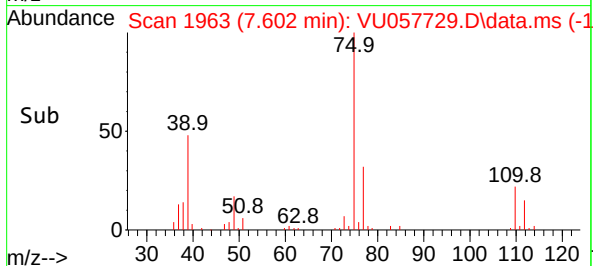
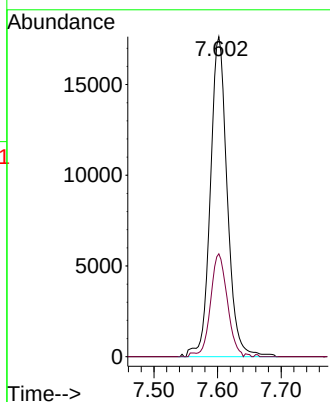
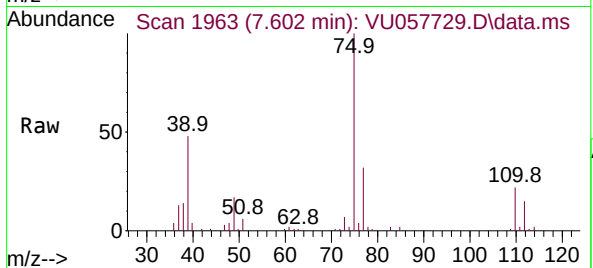




#39
cis-1,3-Dichloropropene
Concen: 4.161 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

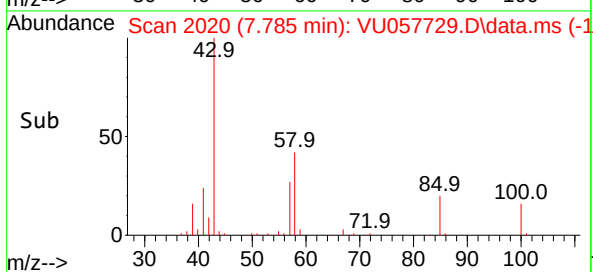
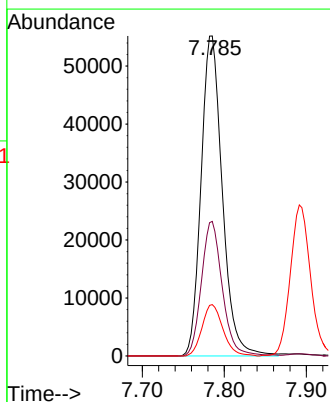
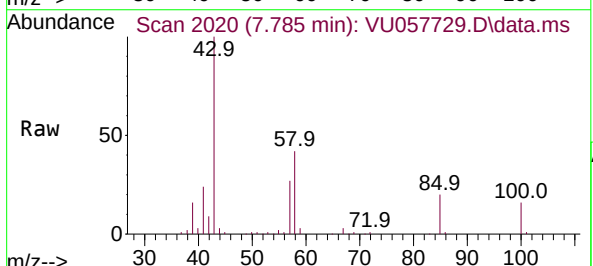
Instrument :
MSVOA_U
ClientSampleId :

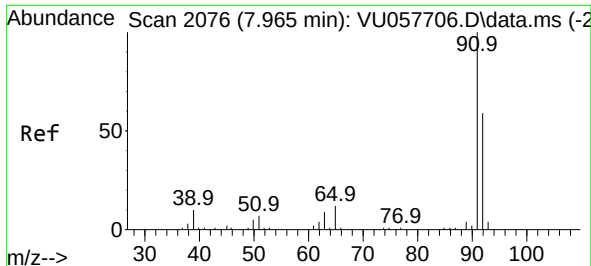
Tgt Ion: 75 Resp: 32564
Ion Ratio Lower Upper
75 100
77 32.2 22.9 42.5



#40
4-Methyl-2-pentanone
Concen: 41.377 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion: 43 Resp: 99415
Ion Ratio Lower Upper
43 100
58 41.4 32.3 48.5
100 15.8 12.6 18.8





#42

Toluene

Concen: 4.345 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

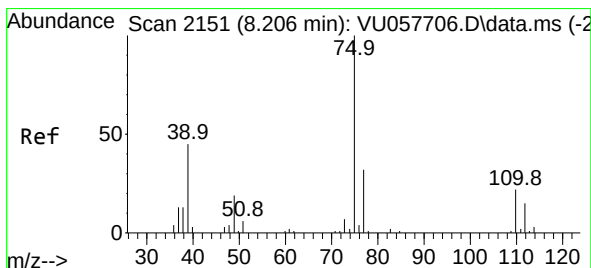
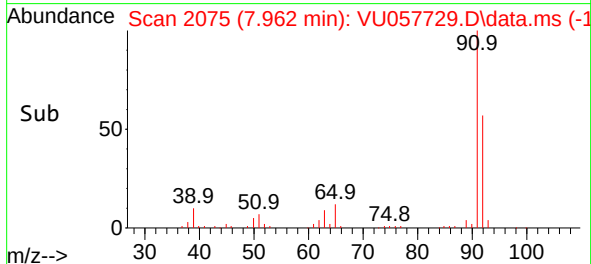
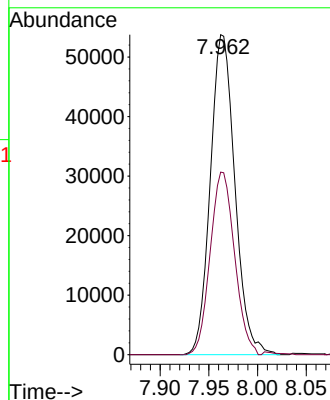
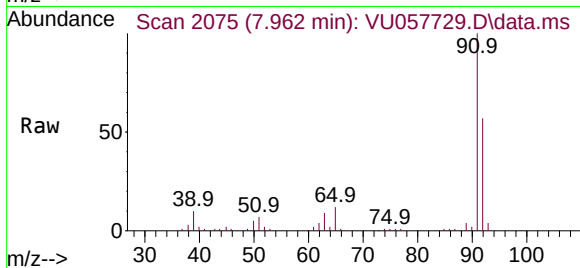
ClientSampleId :

Tgt Ion: 91 Resp: 94290

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.182 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057729.D

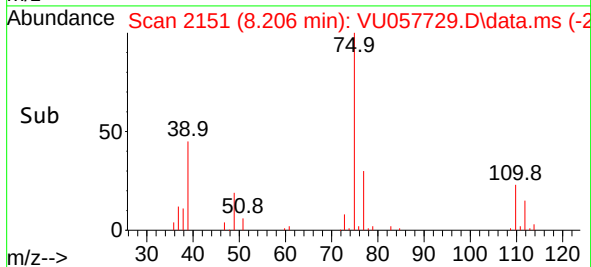
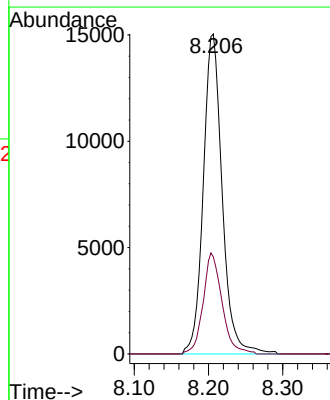
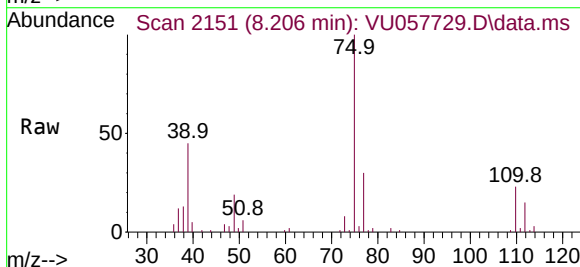
Acq: 29 Jan 2024 20:11

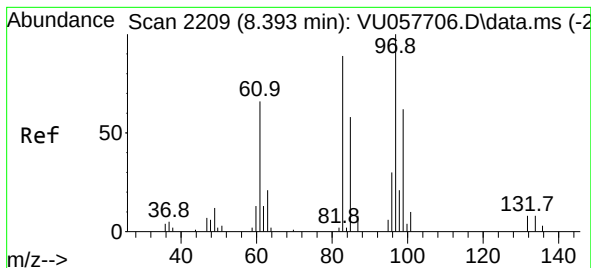
Tgt Ion: 75 Resp: 26595

Ion Ratio Lower Upper

75 100

77 30.3 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 4.246 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 13906

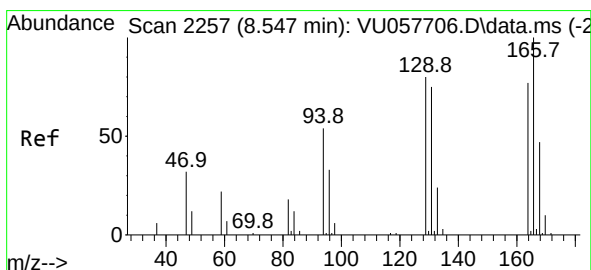
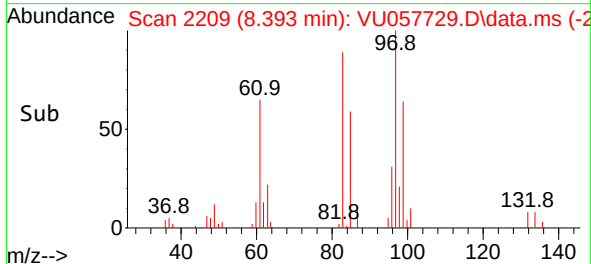
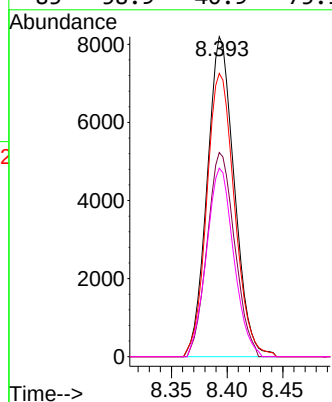
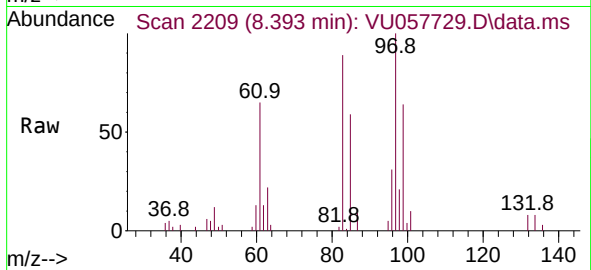
Ion Ratio Lower Upper

97 100

99 63.8 45.1 83.7

83 88.5 62.3 115.7

85 58.9 40.9 75.9



#47

Tetrachloroethene

Concen: 4.137 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Tgt Ion:164 Resp: 16868

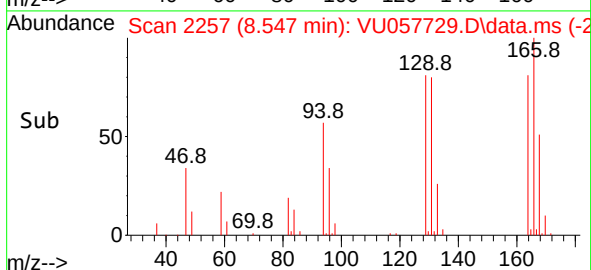
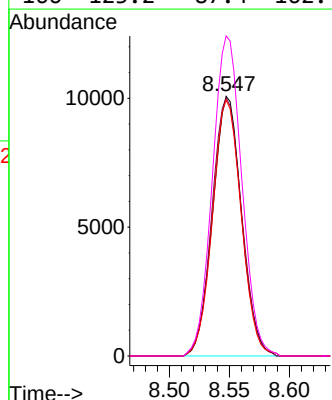
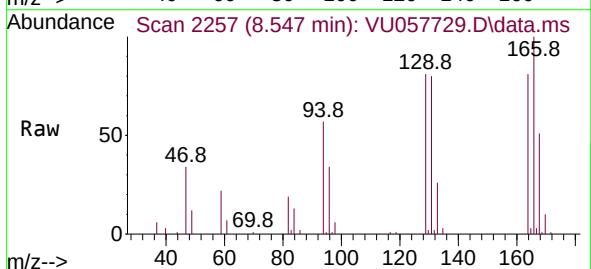
Ion Ratio Lower Upper

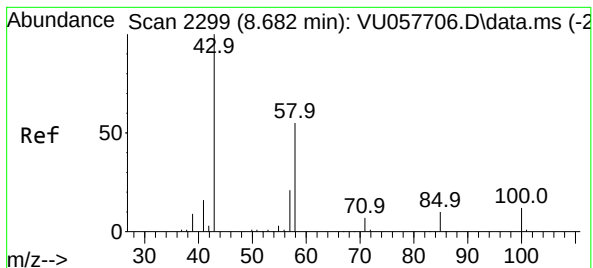
164 100

129 99.4 71.3 132.5

131 98.6 68.1 126.5

166 123.2 87.4 162.4





#48

2-Hexanone

Concen: 41.610 ug/L

RT: 8.679 min Scan# 21

Delta R.T. -0.003 min

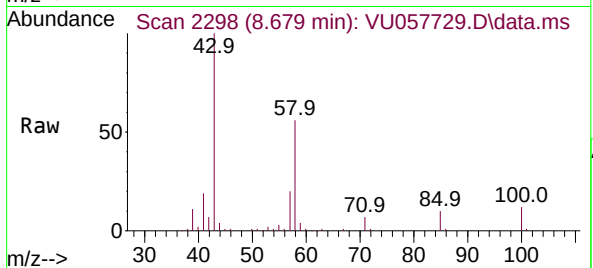
Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 70152

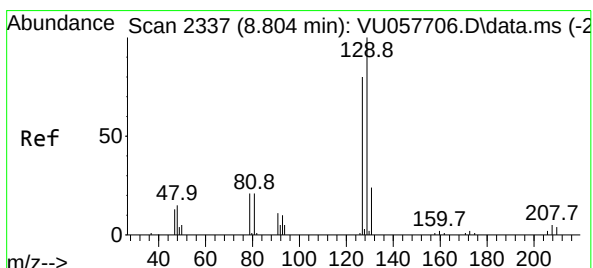
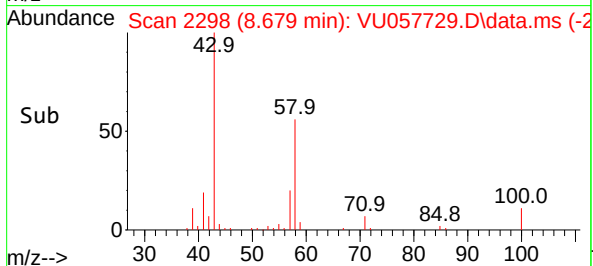
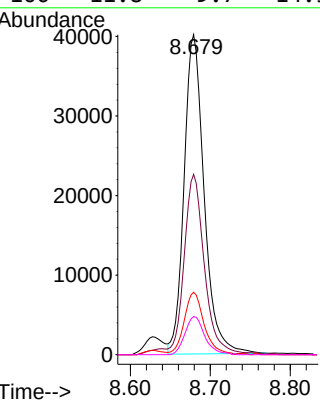
Ion Ratio Lower Upper

43 100

58 58.7 44.3 66.5

57 19.5 15.5 23.3

100 11.8 9.7 14.5



#49

Dibromochloromethane

Concen: 4.211 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU057729.D

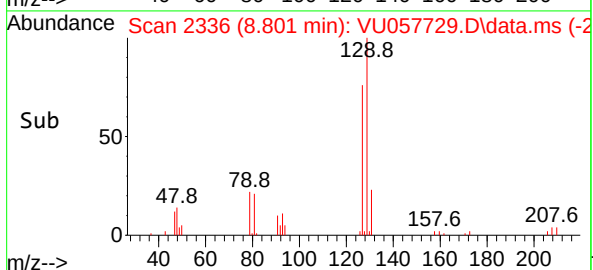
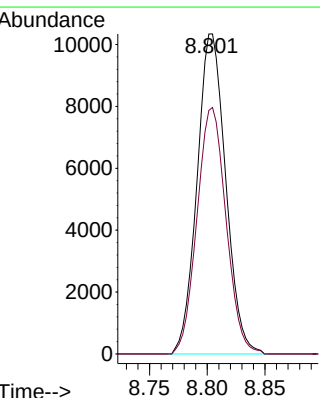
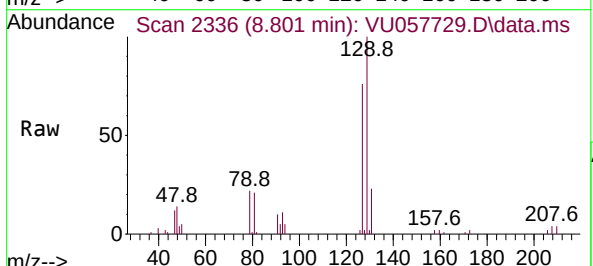
Acq: 29 Jan 2024 20:11

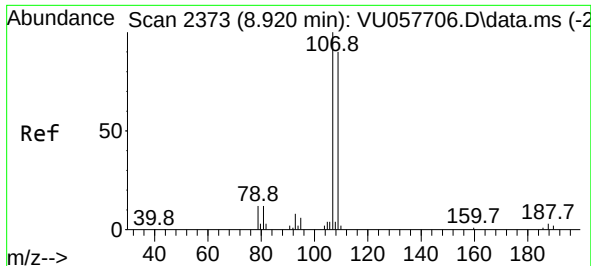
Tgt Ion: 129 Resp: 17861

Ion Ratio Lower Upper

129 100

127 76.1 54.5 101.1





#50

1,2-Dibromoethane

Concen: 4.235 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

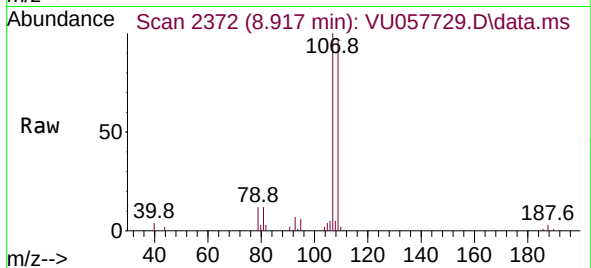
Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :



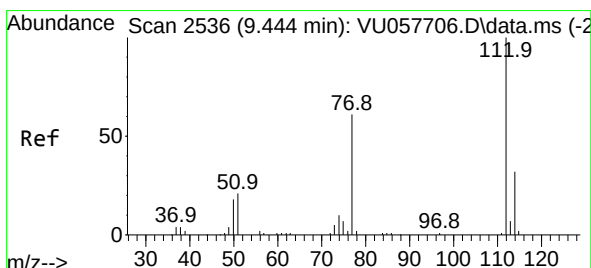
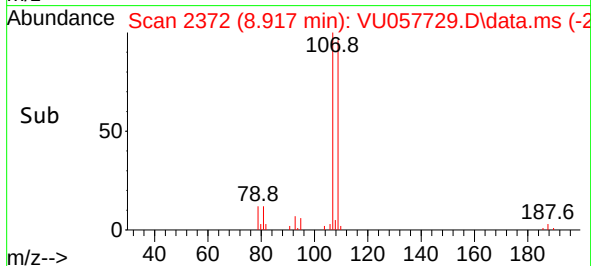
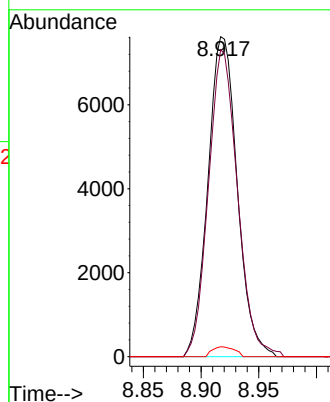
Tgt Ion:107 Resp: 13461

Ion Ratio Lower Upper

107 100

109 95.9 64.5 119.9

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 4.261 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

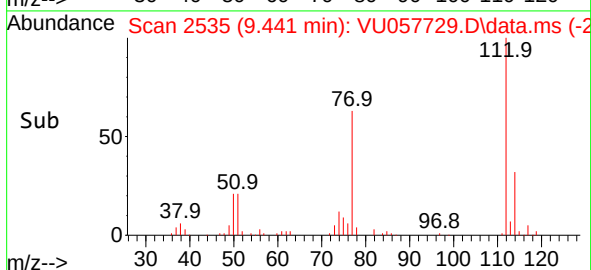
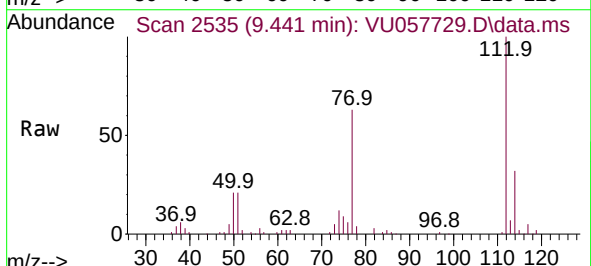
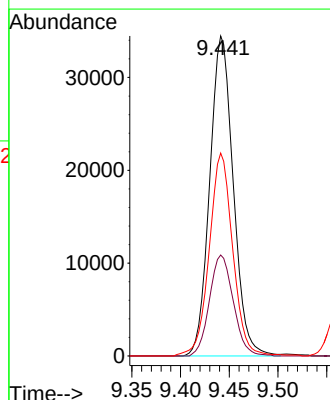
Tgt Ion:112 Resp: 58004

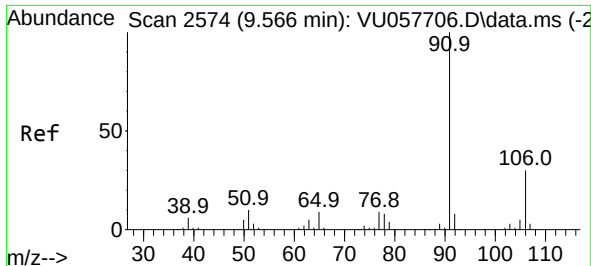
Ion Ratio Lower Upper

112 100

114 31.5 22.0 40.8

77 63.4 49.2 73.8





#52

Ethylbenzene

Concen: 4.294 ug/L

RT: 9.563 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

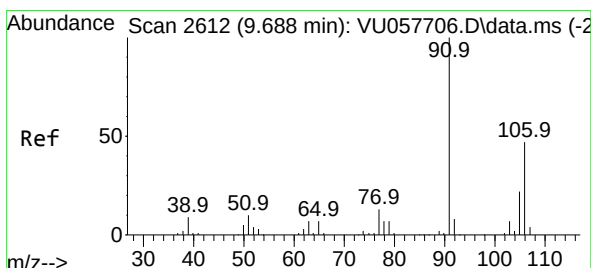
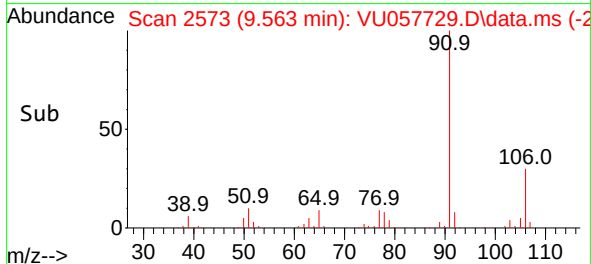
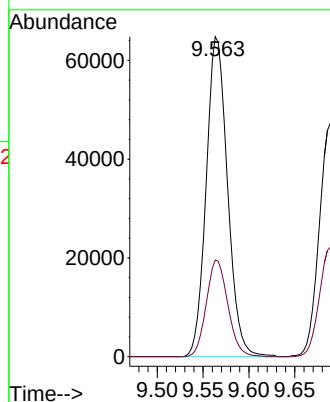
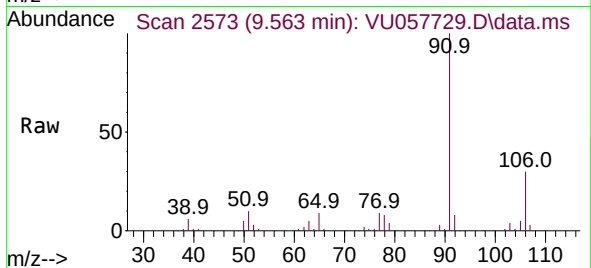
ClientSampleId :

Tgt Ion: 91 Resp: 104991

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#53

m,p-Xylene

Concen: 4.231 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU057729.D

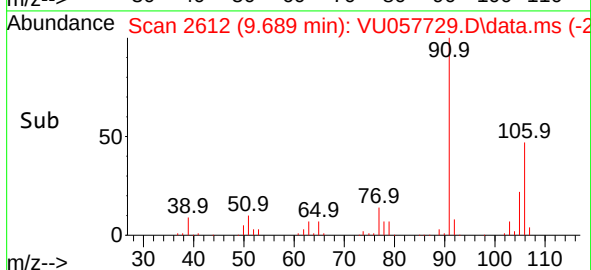
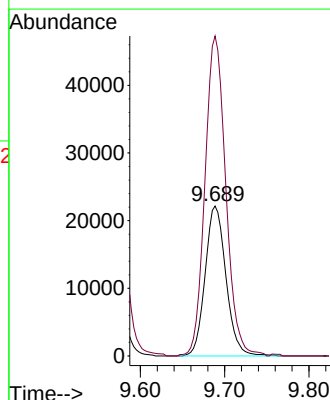
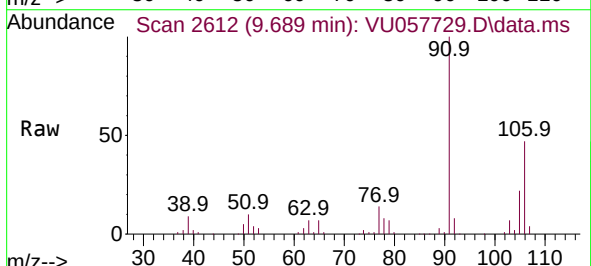
Acq: 29 Jan 2024 20:11

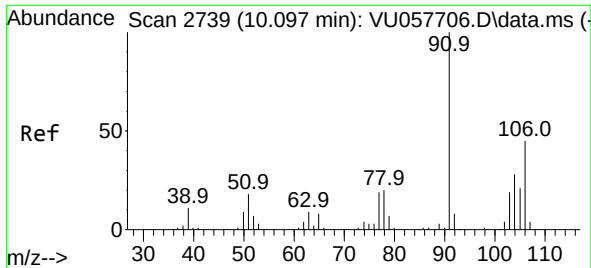
Tgt Ion:106 Resp: 38173

Ion Ratio Lower Upper

106 100

91 213.5 146.9 272.9

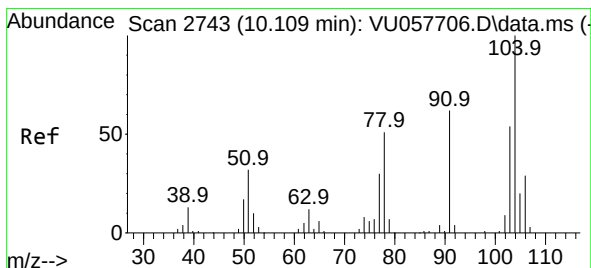
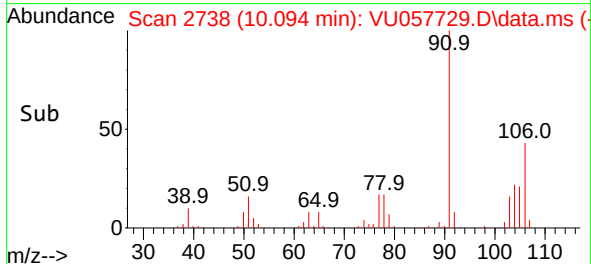
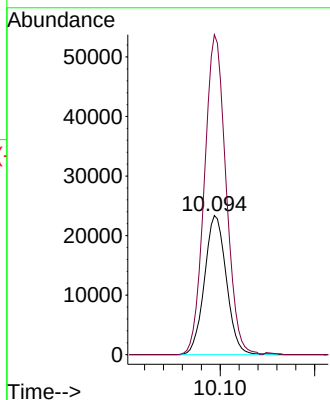
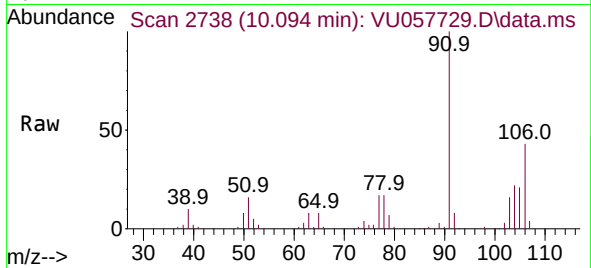




#54
o-Xylene
Concen: 4.271 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

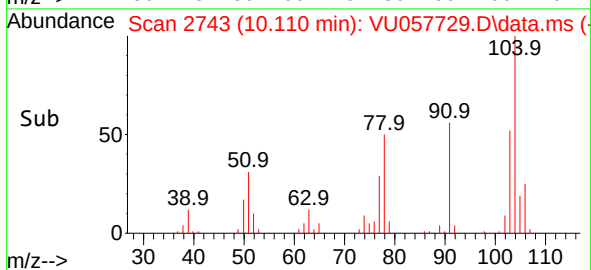
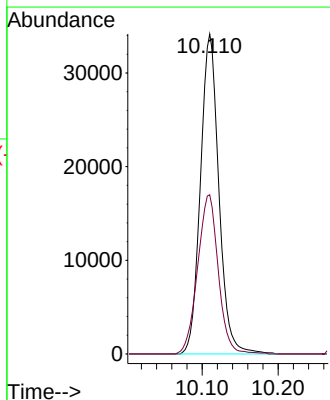
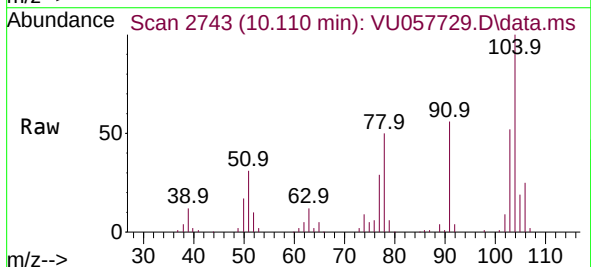
Instrument :
MSVOA_U
ClientSampleId :

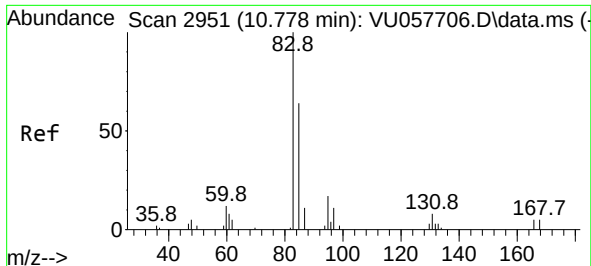
Tgt Ion:106 Resp: 37568
Ion Ratio Lower Upper
106 100
91 230.0 158.1 293.5



#55
Styrene
Concen: 4.275 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion:104 Resp: 57526
Ion Ratio Lower Upper
104 100
78 49.8 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.225 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :

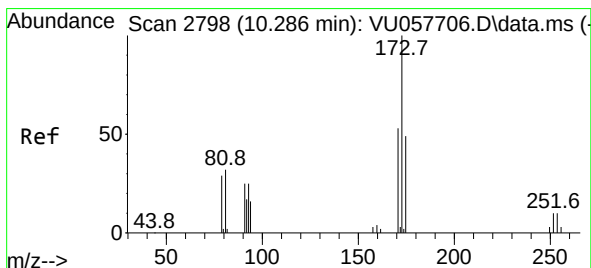
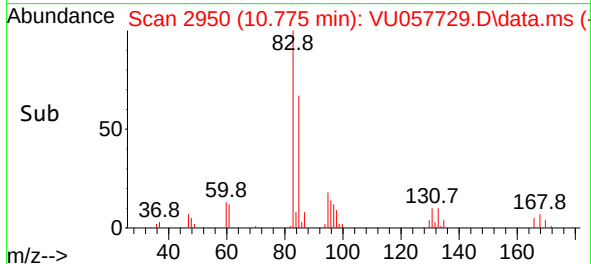
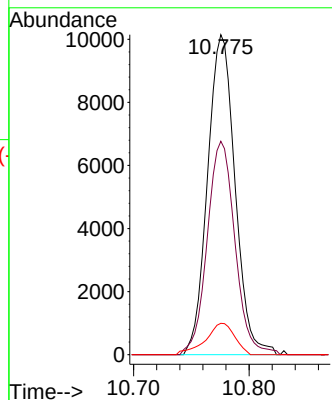
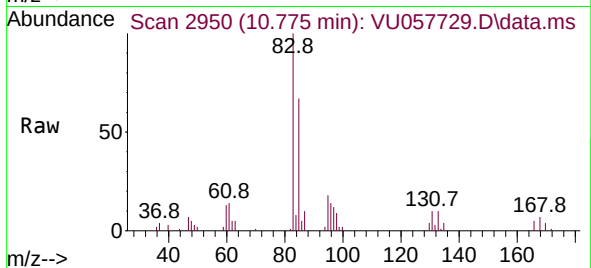
Tgt Ion: 83 Resp: 16789

Ion Ratio Lower Upper

83 100

85 66.7 44.4 82.5

131 9.8 8.3 12.5



#59

Bromoform

Concen: 4.201 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

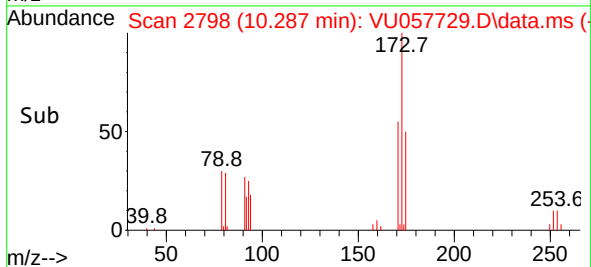
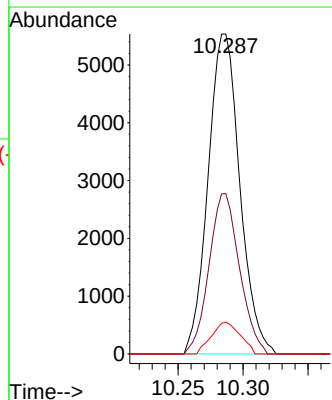
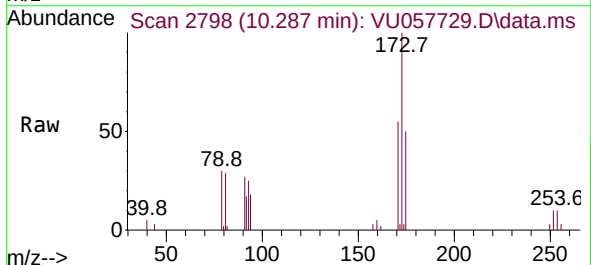
Tgt Ion:173 Resp: 9404

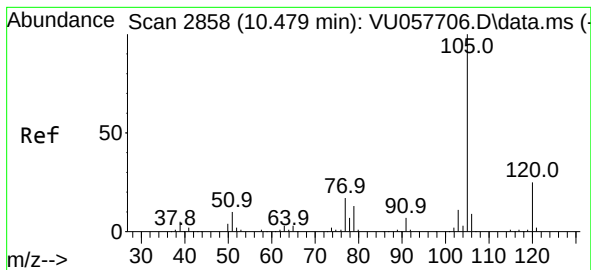
Ion Ratio Lower Upper

173 100

175 48.1 37.5 56.3

254 8.9 7.2 10.8





#60

Isopropylbenzene

Concen: 4.262 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :

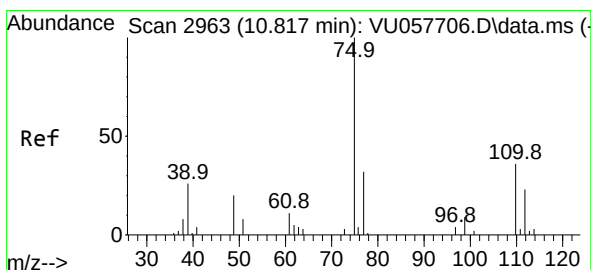
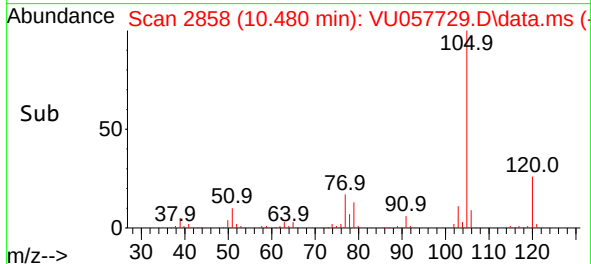
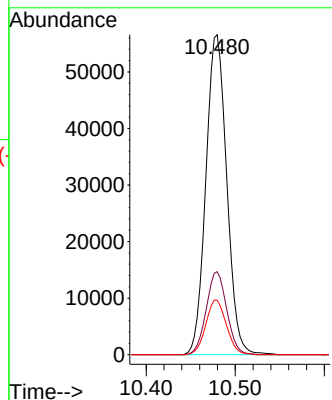
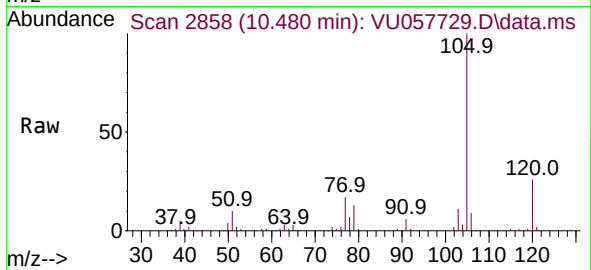
Tgt Ion:105 Resp: 92004

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.367 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

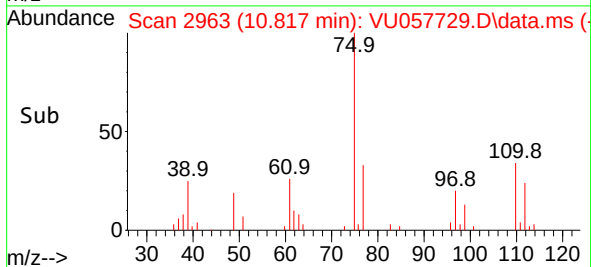
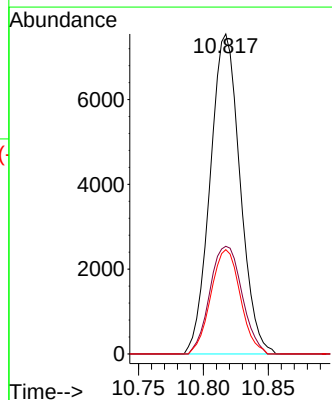
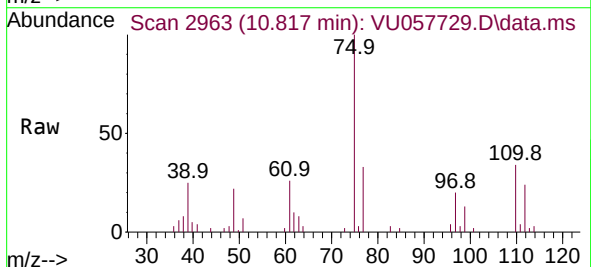
Tgt Ion: 75 Resp: 12077

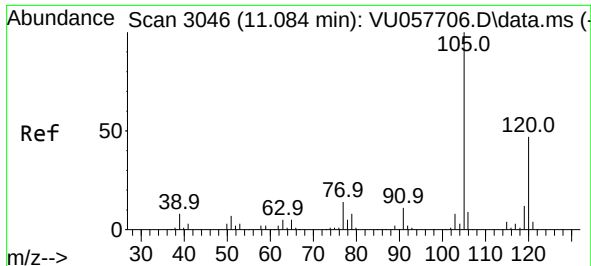
Ion Ratio Lower Upper

75 100

110 36.1 30.1 45.1

77 32.2 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 4.261 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

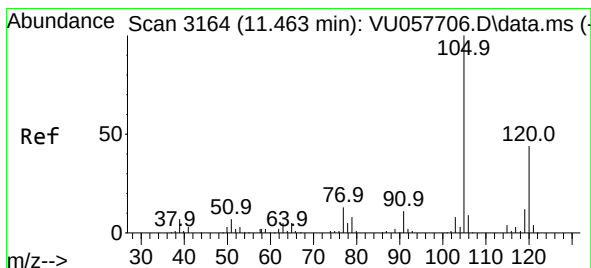
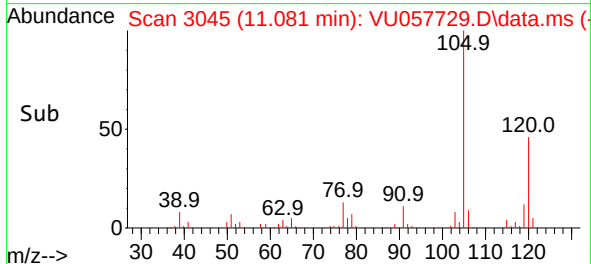
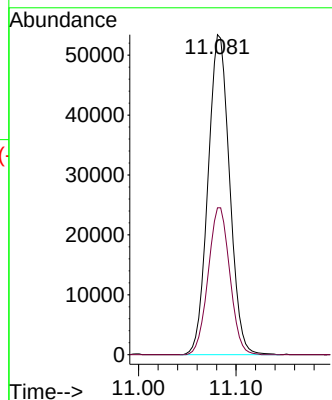
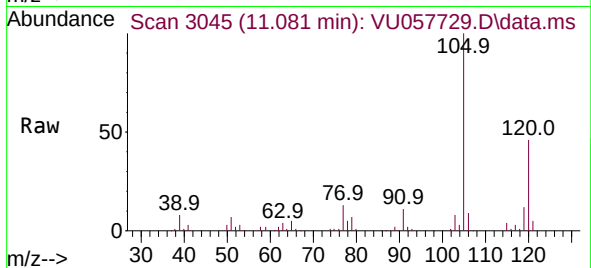
ClientSampleId :

Tgt Ion:105 Resp: 81987

Ion Ratio Lower Upper

105 100

120 46.1 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 4.285 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU057729.D

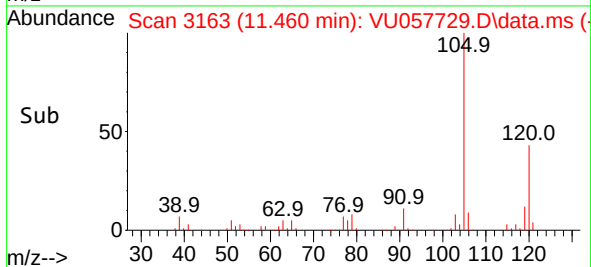
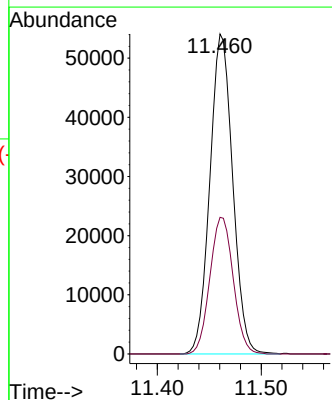
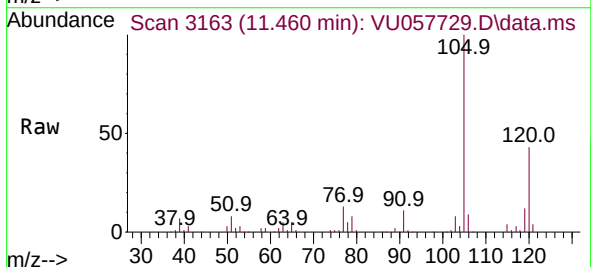
Acq: 29 Jan 2024 20:11

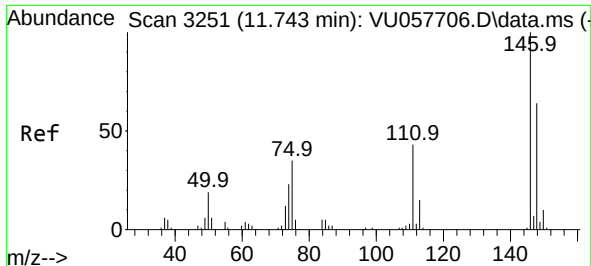
Tgt Ion:105 Resp: 82514

Ion Ratio Lower Upper

105 100

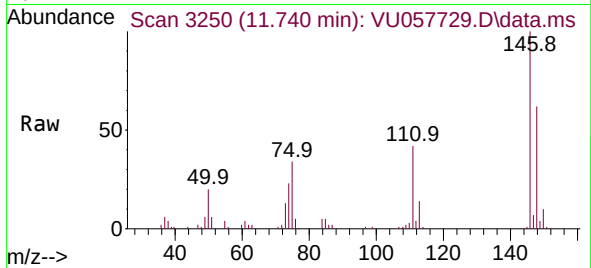
120 43.6 35.0 52.4



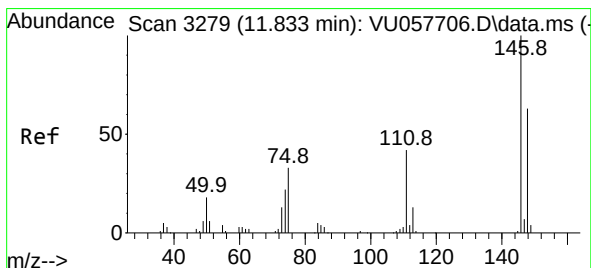
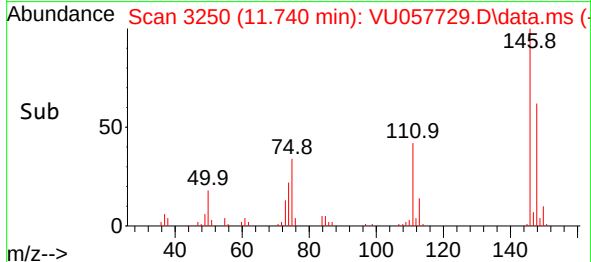
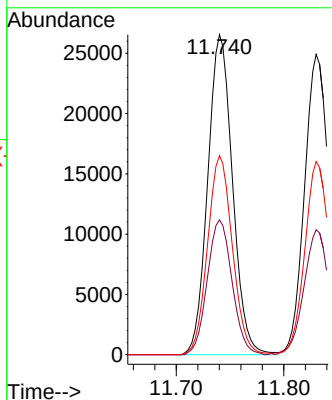


#64
1,3-Dichlorobenzene
Concen: 4.315 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Instrument :
MSVOA_U
ClientSampleId :

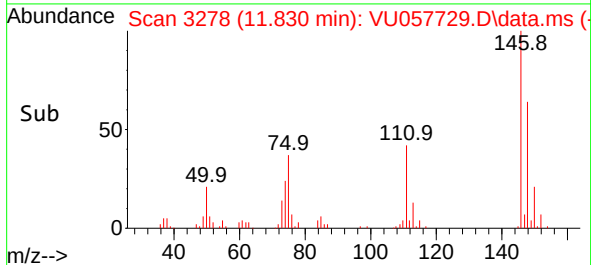
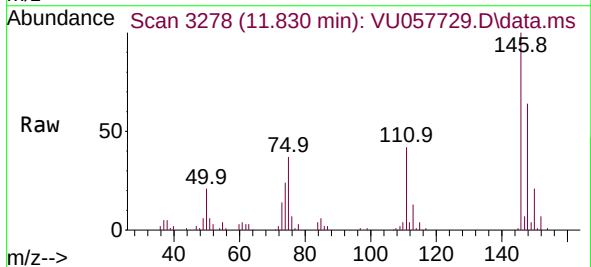
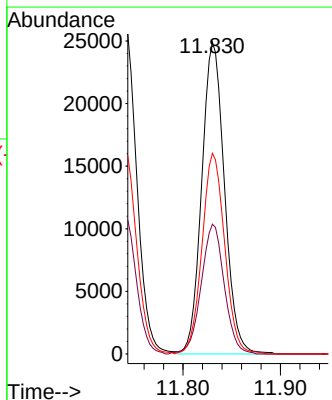


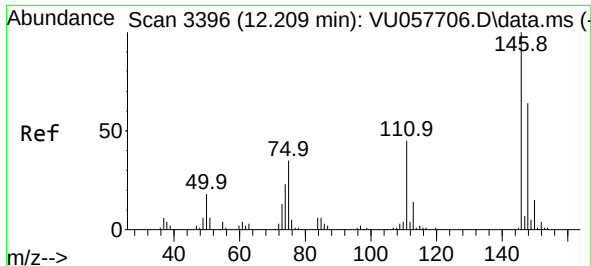
Tgt Ion:146 Resp: 42519
Ion Ratio Lower Upper
146 100
111 42.1 29.6 55.0
148 62.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.278 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion:146 Resp: 40356
Ion Ratio Lower Upper
146 100
111 41.6 29.5 54.7
148 64.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.331 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :

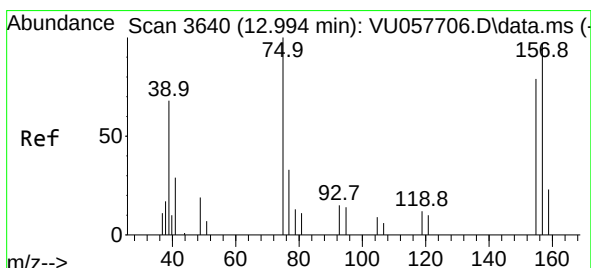
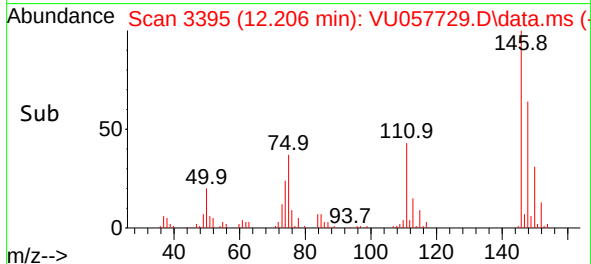
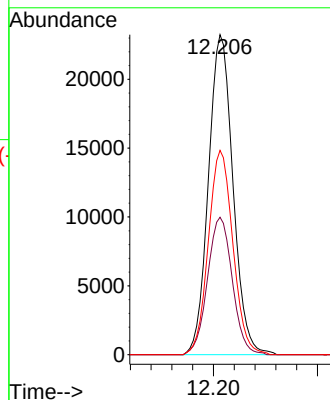
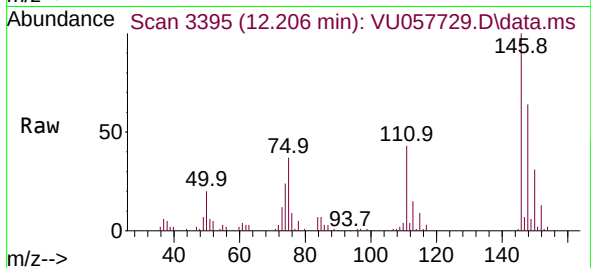
Tgt Ion:146 Resp: 38087

Ion Ratio Lower Upper

146 100

111 43.0 35.7 53.5

148 63.8 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.858 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

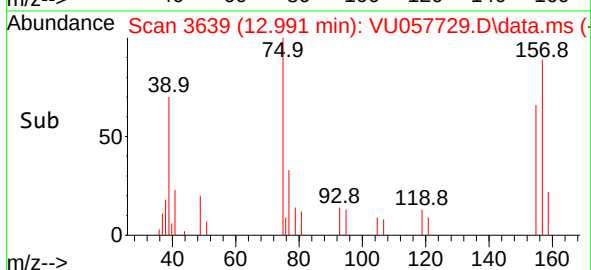
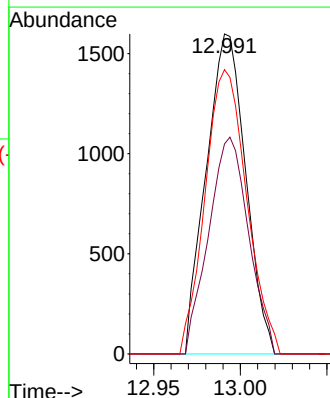
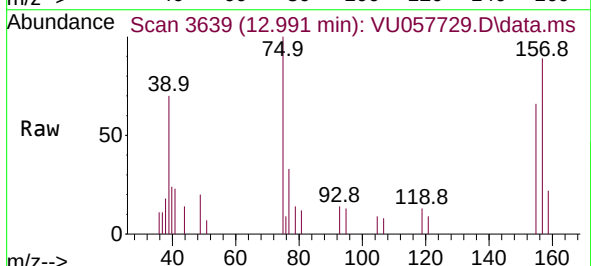
Tgt Ion: 75 Resp: 2529

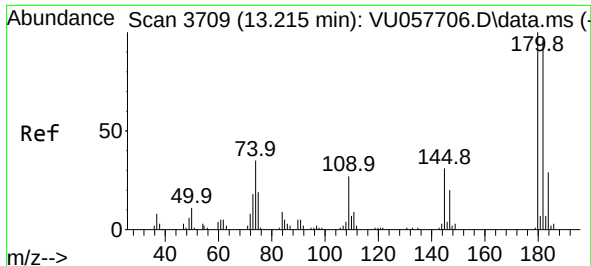
Ion Ratio Lower Upper

75 100

155 65.6 62.8 94.2

157 88.9 78.9 118.3





#69

1,3,5-Trichlorobenzene

Concen: 4.279 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.003 min

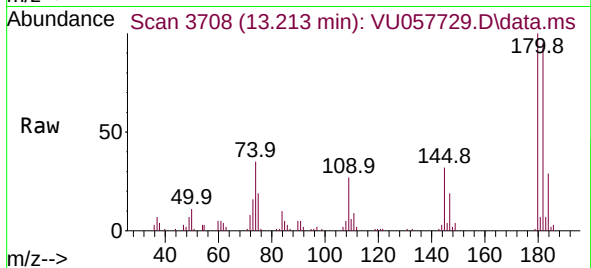
Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 30951

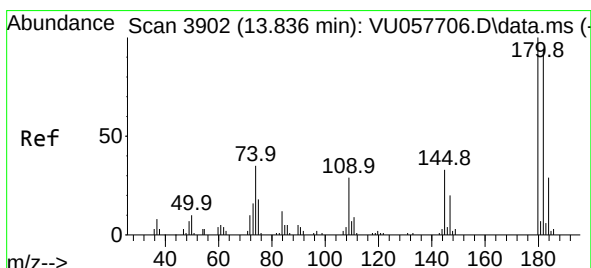
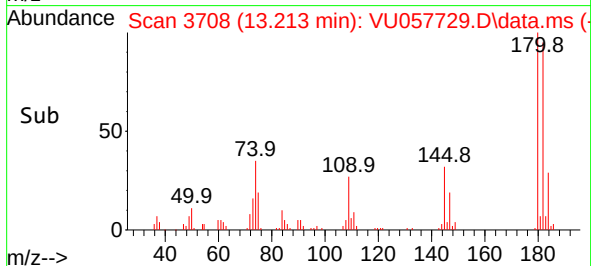
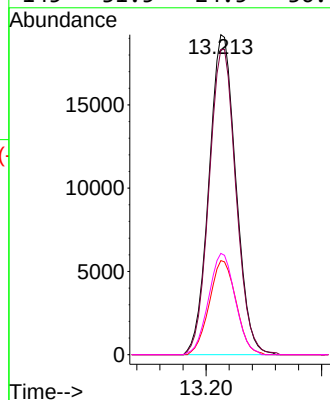
Ion Ratio Lower Upper

180 100

182 95.5 75.4 113.2

184 29.4 24.1 36.1

145 31.5 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.516 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057729.D

Acq: 29 Jan 2024 20:11

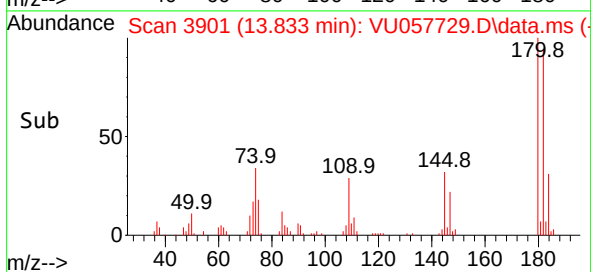
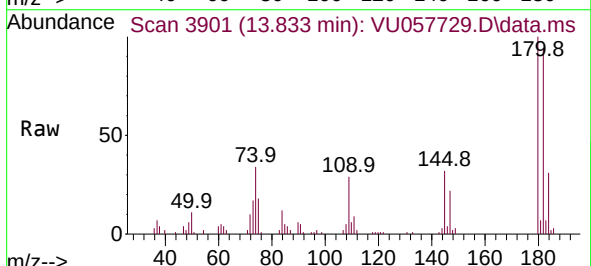
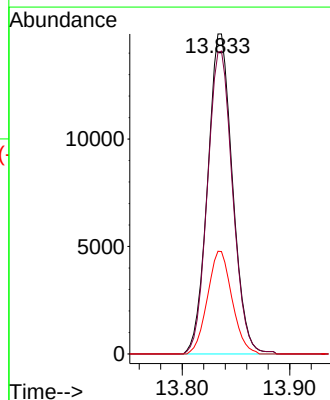
Tgt Ion:180 Resp: 23928

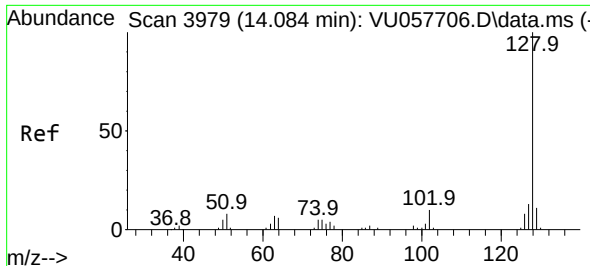
Ion Ratio Lower Upper

180 100

182 95.4 74.9 112.3

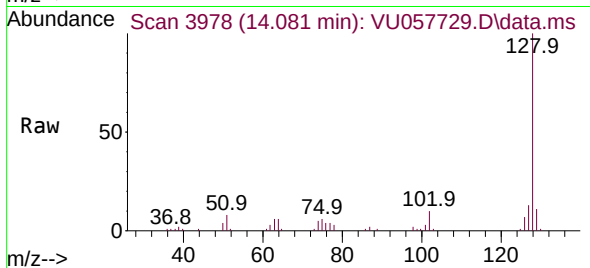
145 31.7 25.4 38.2



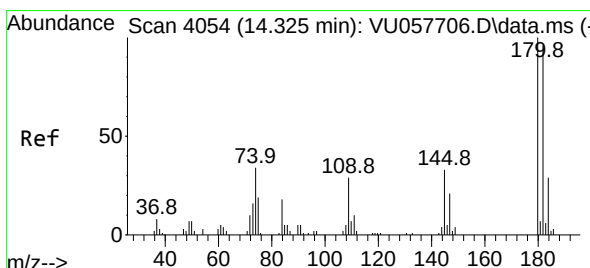
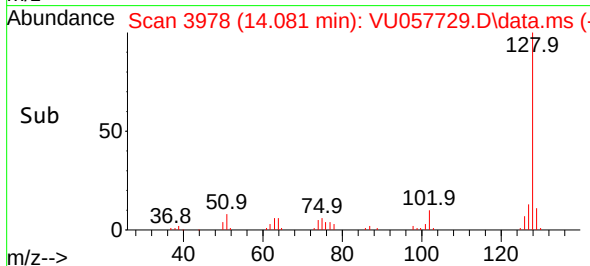
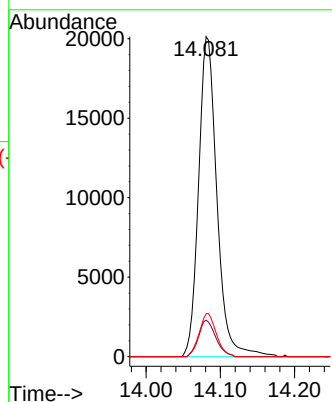


#71
Naphthalene
Concen: 4.612 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 34591
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 12.6 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 4.600 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057729.D
Acq: 29 Jan 2024 20:11

Tgt Ion:180 Resp: 18973
Ion Ratio Lower Upper
180 100
182 93.8 78.1 117.1
145 34.0 26.7 40.1

