

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059729.D
 Acq On : 02 Jul 2024 10:55
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:45:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	321438	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	310926	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	176468	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.593	65	96517	46.765	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.540%
7) Chloroethane-d5	1.876	69	60816	35.033	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.060%
11) 1,1-Dichloroethene-d2	2.551	63	175083	47.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.500%
21) 2-Butanone-d5	4.615	46	144675	100.869	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.870%
24) Chloroform-d	5.052	84	192998	48.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
26) 1,2-Dichloroethane-d4	5.689	65	115369	48.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.100%
32) Benzene-d6	5.715	84	399963	50.235	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.460%
36) 1,2-Dichloropropane-d6	6.679	67	122166	49.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	7.891	98	379161	50.077	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.160%
43) trans-1,3-Dichloroprop...	8.171	79	58043	50.337	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.680%
47) 2-Hexanone-d5	8.631	63	119405	114.977	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.980%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	209544	55.402	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	161556	49.820	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.640%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	95024	47.600	ug/L	99
3) Chloromethane	1.516	50	100036	51.066	ug/L	98
5) Vinyl chloride	1.599	62	106637	46.371	ug/L	99
6) Bromomethane	1.824	94	40281	33.347	ug/L	98
8) Chloroethane	1.895	64	64852	43.317	ug/L	97
9) Trichlorofluoromethane	2.114	101	150841	47.114	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.564	101	98538	48.352	ug/L	99
12) 1,1-Dichloroethene	2.560	96	88482	46.425	ug/L	96
13) Acetone	2.618	43	137288	92.954	ug/L	100
14) Carbon disulfide	2.776	76	222082	46.167	ug/L	99
15) Methyl Acetate	2.937	43	107503	48.278	ug/L	97
16) Methylene chloride	3.030	84	107620	44.779	ug/L	98
17) trans-1,2-Dichloroethene	3.339	96	92480	47.132	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	314918	49.416	ug/L	99
19) 1,1-Dichloroethane	3.853	63	180059	48.384	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	112423	47.317	ug/L	98
22) 2-Butanone	4.692	43	177625	97.750	ug/L	98
23) Bromochloromethane	4.962	128	58932	47.025	ug/L	98
25) Chloroform	5.075	83	189222	47.251	ug/L	100

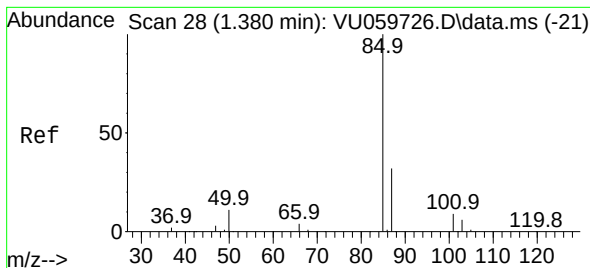
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	144534	47.543	ug/L	98
29) Cyclohexane	5.377	56	143361	51.493	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	154065	47.830	ug/L	100
31) Carbon tetrachloride	5.512	117	126029	47.366	ug/L	99
33) Benzene	5.763	78	410338	48.872	ug/L	100
34) Trichloroethene	6.535	95	108267	48.321	ug/L	96
35) Methylcyclohexane	6.753	83	157078	50.762	ug/L	99
37) 1,2-Dichloropropane	6.782	63	111803	48.377	ug/L	99
38) Bromodichloromethane	7.097	83	142599	48.697	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	176544	49.929	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	312112	106.853	ug/L	99
42) Toluene	7.962	91	455899	49.737	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	161998	49.877	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	118110	48.799	ug/L	98
46) Tetrachloroethene	8.544	164	87222	47.320	ug/L	98
48) 2-Hexanone	8.679	43	270154	110.510	ug/L	99
49) Dibromochloromethane	8.801	129	115266	48.335	ug/L	99
50) 1,2-Dibromoethane	8.917	107	123812	48.926	ug/L	96
51) Chlorobenzene	9.441	112	296997	48.807	ug/L	98
52) Ethylbenzene	9.563	91	490504	50.111	ug/L	98
53) m,p-Xylene	9.689	106	191360	50.210	ug/L	99
54) o-Xylene	10.094	106	189061	51.586	ug/L	99
55) Styrene	10.110	104	324907	52.548	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.776	83	224434	54.987	ug/L	98
59) Bromoform	10.284	173	102284	47.937	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	166541	49.727	ug/L	99
61) Isopropylbenzene	10.477	105	495479	48.167	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	379085	50.341	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	420313	52.108	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	259958	48.729	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	266266	48.281	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	269227	49.957	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.988	75	45145	49.290	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	193166	50.221	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	167112	48.204	ug/L	100
71) Naphthalene	14.081	128	530735	52.976	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	171545	49.320	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.600 ug/L

RT: 1.377 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

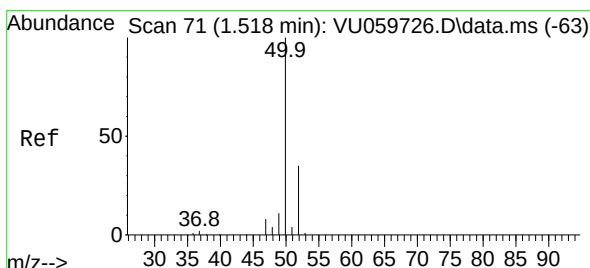
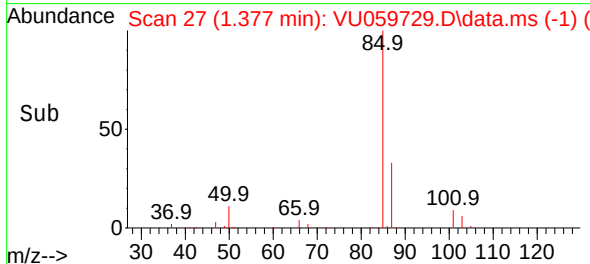
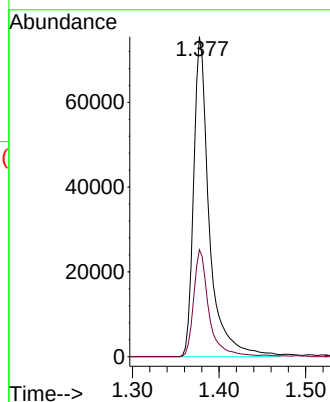
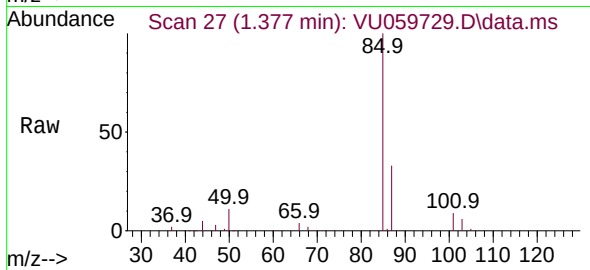
ClientSampleId :

Tgt Ion: 85 Resp: 95024

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



#3

Chloromethane

Concen: 51.066 ug/L

RT: 1.516 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU059729.D

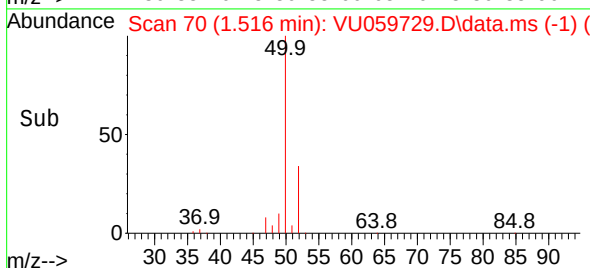
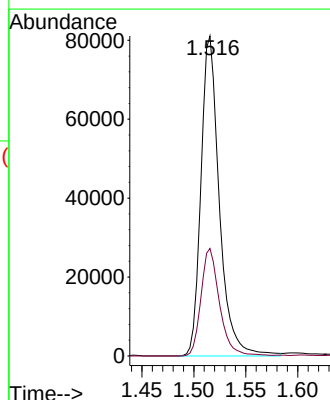
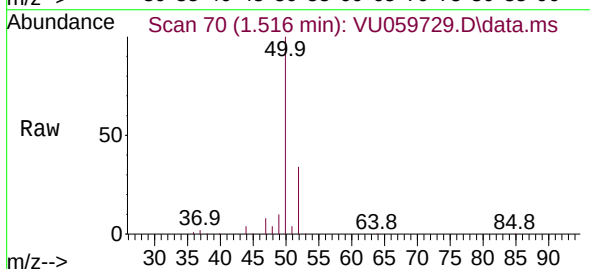
Acq: 02 Jul 2024 10:55

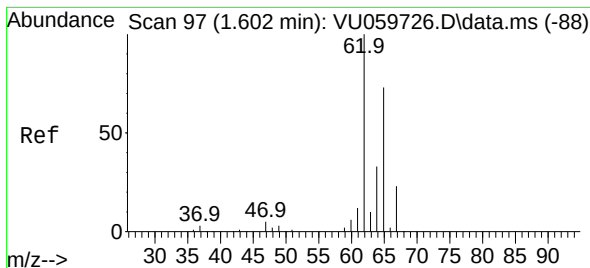
Tgt Ion: 50 Resp: 100036

Ion Ratio Lower Upper

50 100

52 33.6 24.5 45.5





#5

Vinyl chloride

Concen: 46.371 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

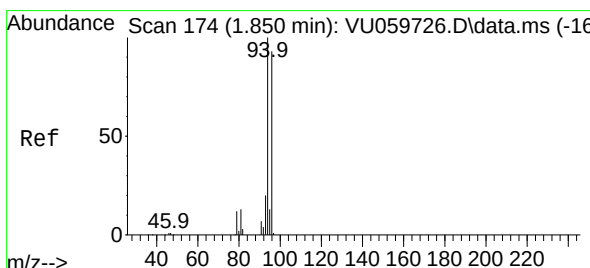
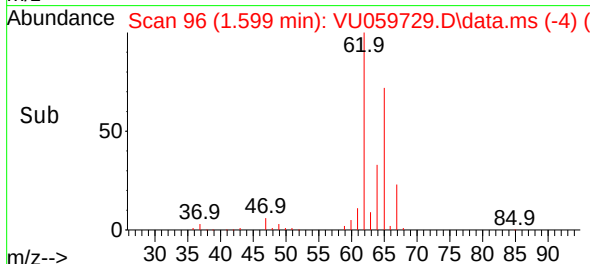
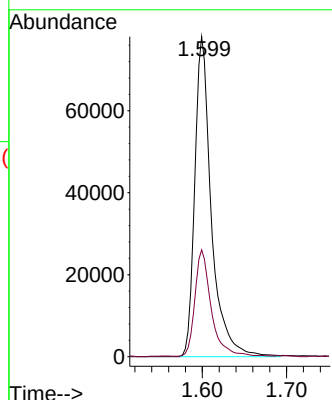
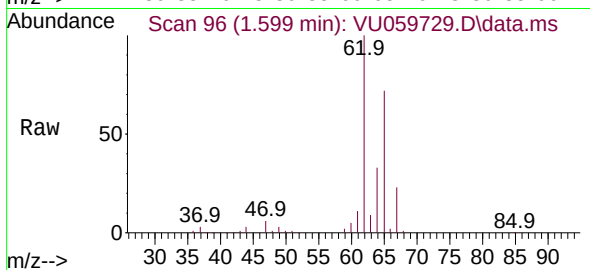
ClientSampleId :

Tgt Ion: 62 Resp: 106637

Ion Ratio Lower Upper

62 100

64 33.4 22.9 42.5



#6

Bromomethane

Concen: 33.347 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.025 min

Lab File: VU059729.D

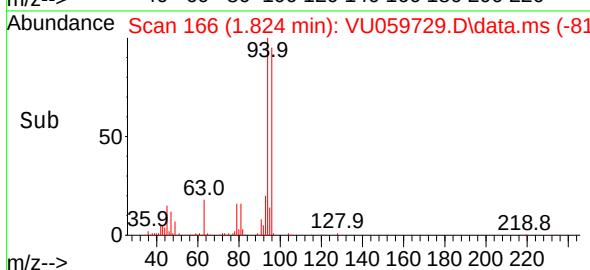
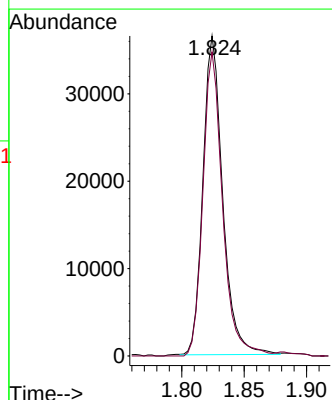
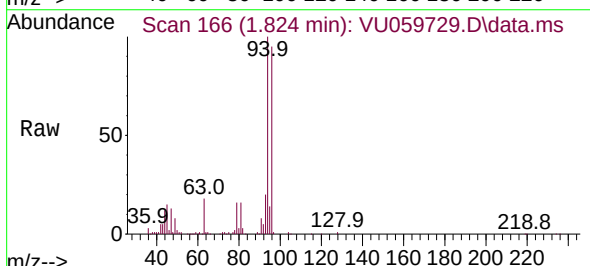
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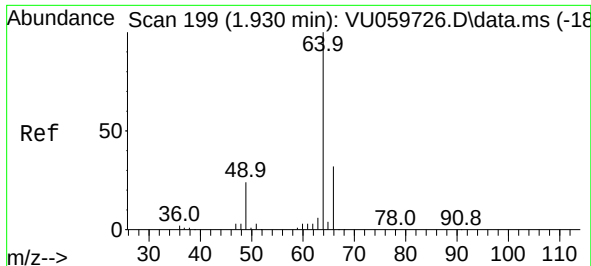
Tgt Ion: 94 Resp: 40281

Ion Ratio Lower Upper

94 100

96 95.0 65.2 121.2

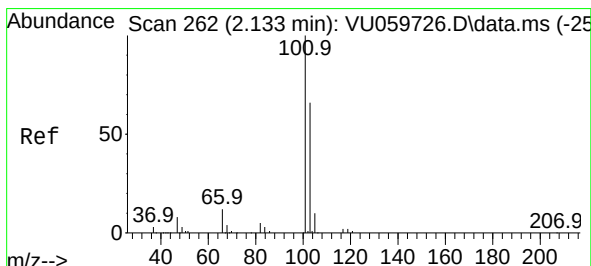
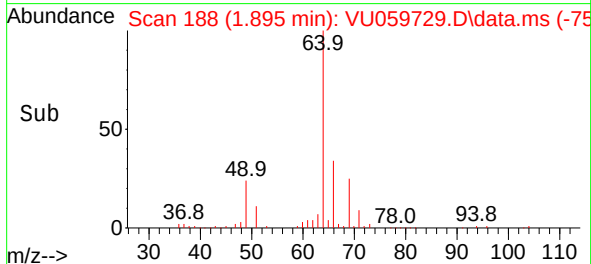
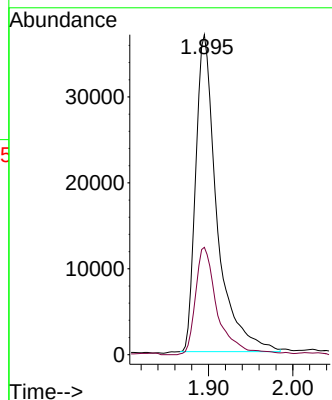
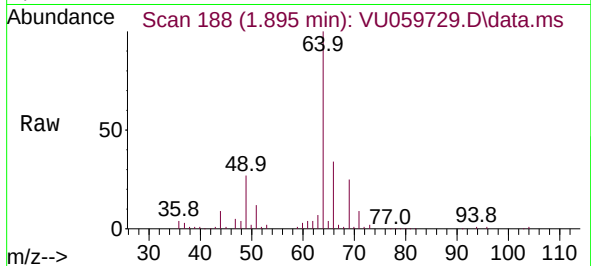




#8
Chloroethane
Concen: 43.317 ug/L
RT: 1.895 min Scan# 11
Delta R.T. -0.035 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

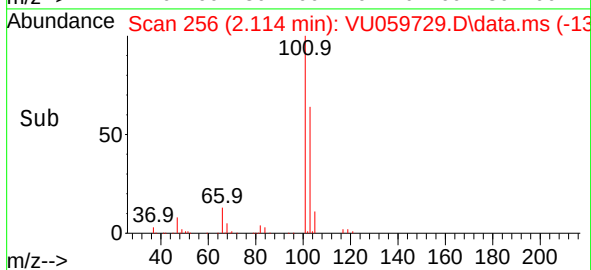
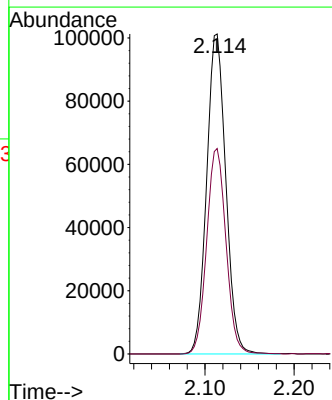
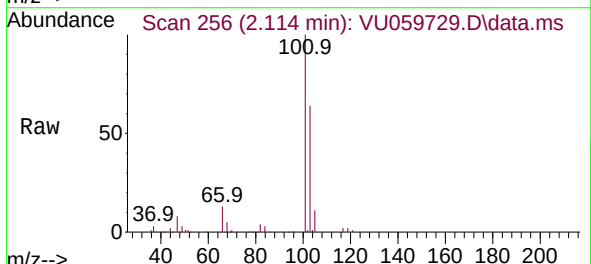
Instrument :
MSVOA_U
ClientSampleId :

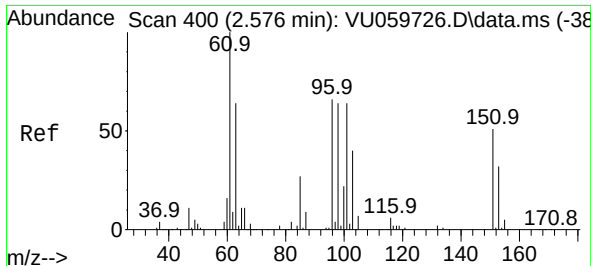
Tgt Ion: 64 Resp: 64852
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.114 ug/L
RT: 2.114 min Scan# 256
Delta R.T. -0.019 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion:101 Resp: 150841
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.352 ug/L

RT: 2.564 min Scan# 396

Delta R.T. -0.013 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

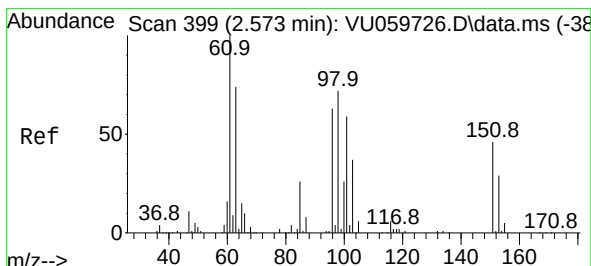
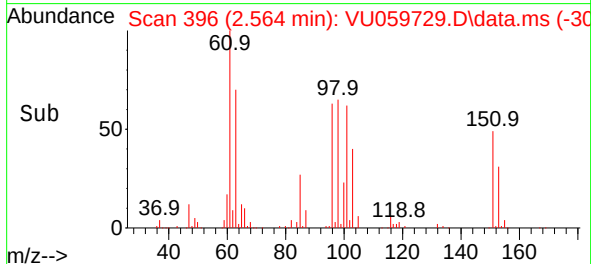
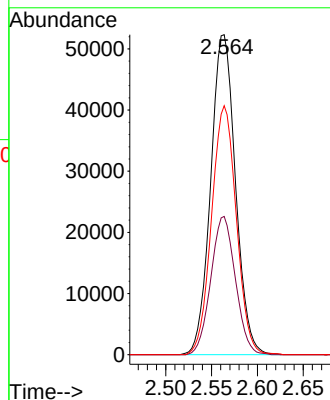
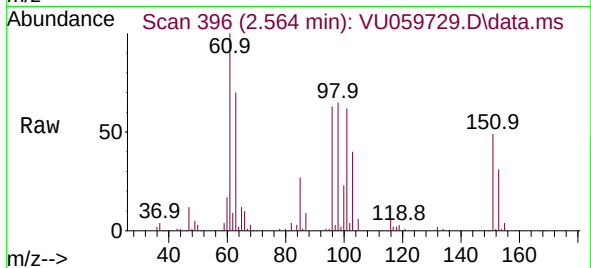
Tgt Ion:101 Resp: 98538

Ion Ratio Lower Upper

101 100

85 42.7 34.8 52.2

151 77.6 62.3 93.5



#12

1,1-Dichloroethene

Concen: 46.425 ug/L

RT: 2.560 min Scan# 395

Delta R.T. -0.013 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

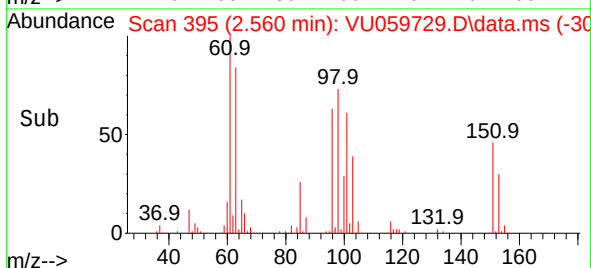
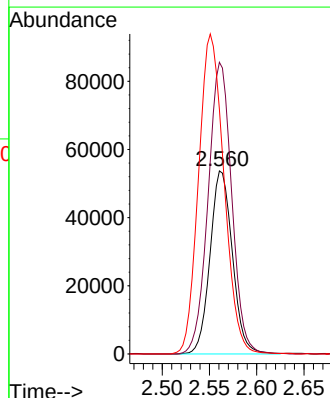
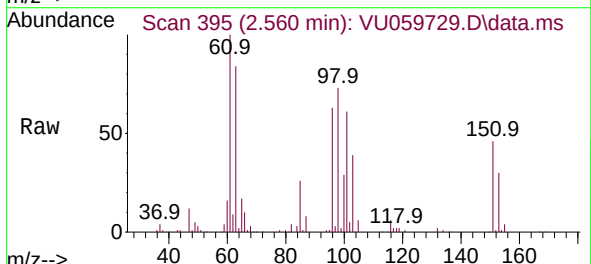
Tgt Ion: 96 Resp: 88482

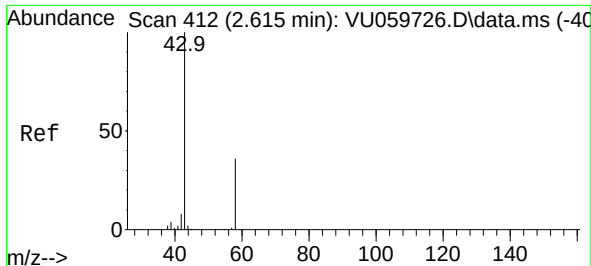
Ion Ratio Lower Upper

96 100

61 159.4 112.2 208.4

63 133.7 87.4 162.2





#13

Acetone

Concen: 92.954 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.004 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

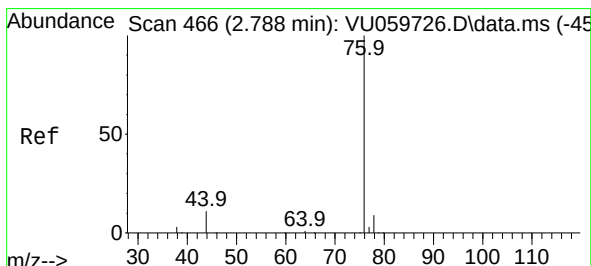
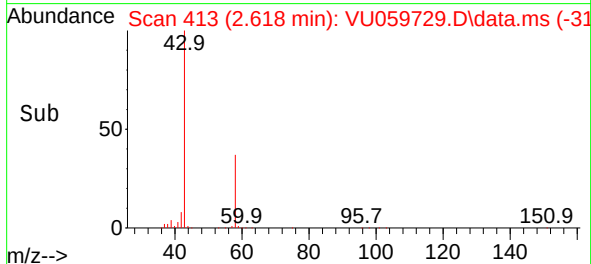
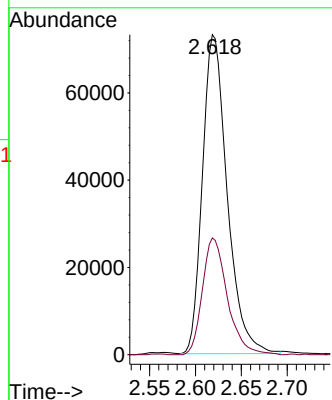
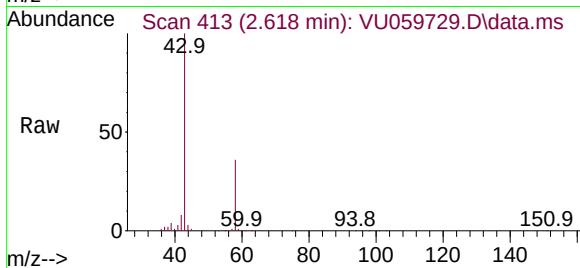
ClientSampleId :

Tgt Ion: 43 Resp: 137288

Ion Ratio Lower Upper

43 100

58 36.8 0.0 73.8



#14

Carbon disulfide

Concen: 46.167 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.013 min

Lab File: VU059729.D

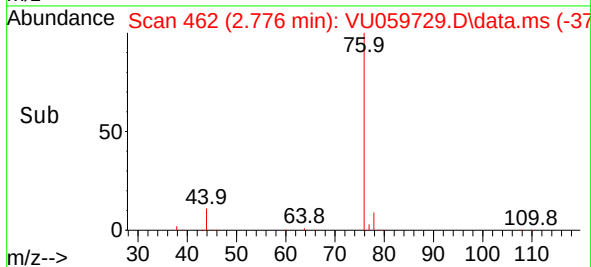
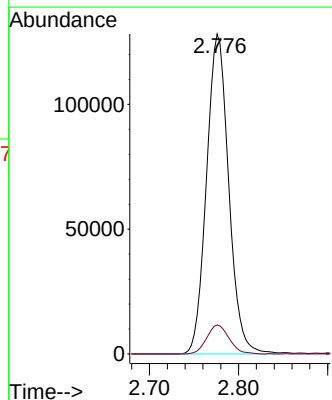
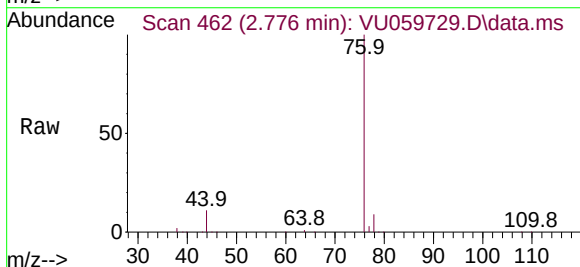
Acq: 02 Jul 2024 10:55

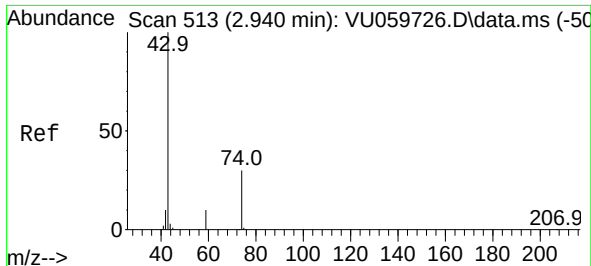
Tgt Ion: 76 Resp: 222082

Ion Ratio Lower Upper

76 100

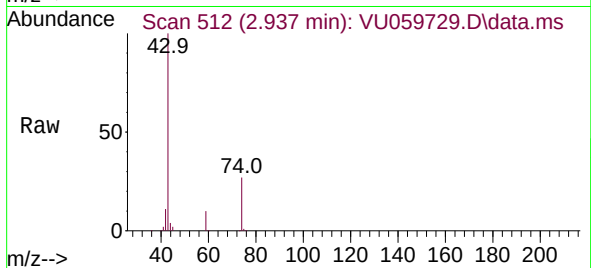
78 9.1 7.0 10.4



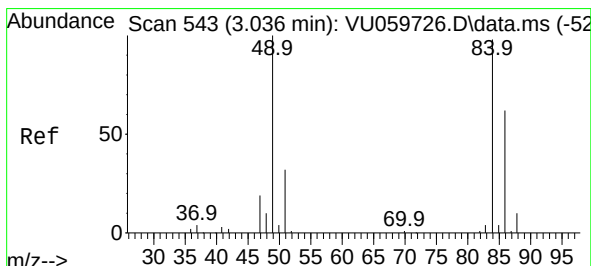
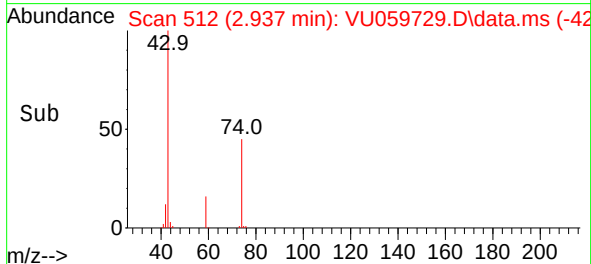
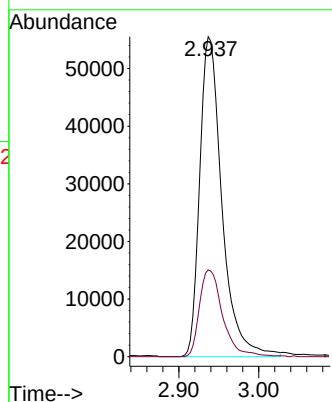


#15
Methyl Acetate
Concen: 48.278 ug/L
RT: 2.937 min Scan# 513
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Instrument :
MSVOA_U
ClientSampleId :

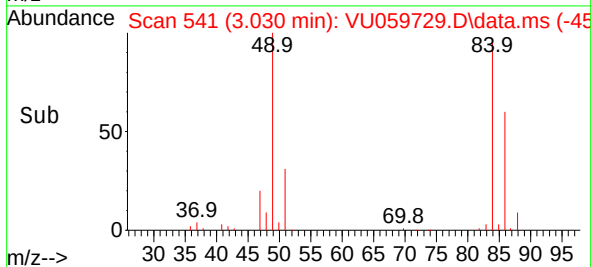
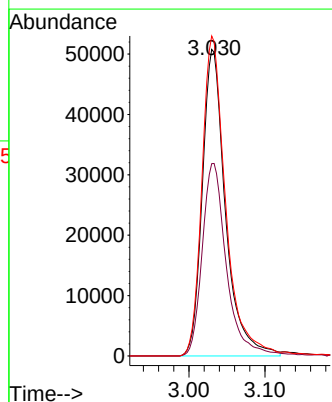
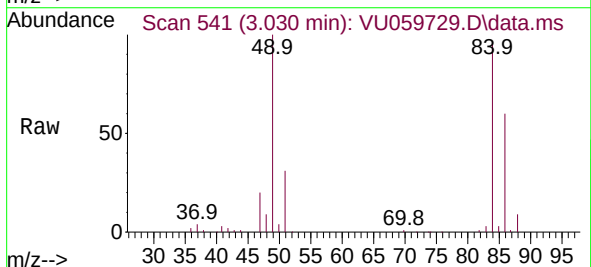


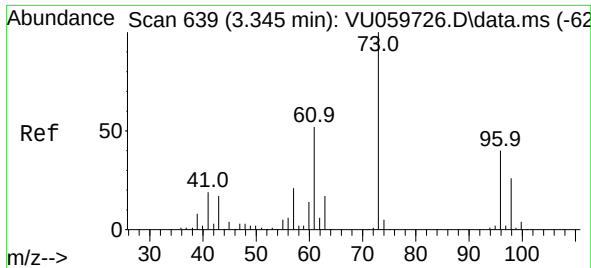
Tgt Ion: 43 Resp: 107503
Ion Ratio Lower Upper
43 100
74 28.2 24.1 36.1



#16
Methylene chloride
Concen: 44.779 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.006 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 84 Resp: 107620
Ion Ratio Lower Upper
84 100
86 62.8 44.7 83.1
49 104.4 71.6 133.0

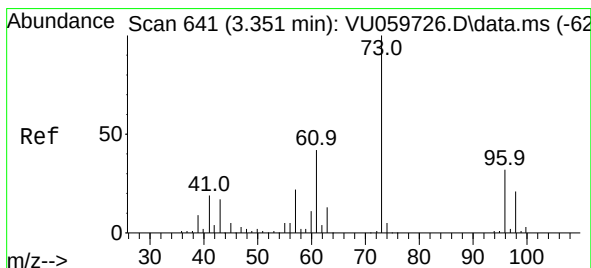
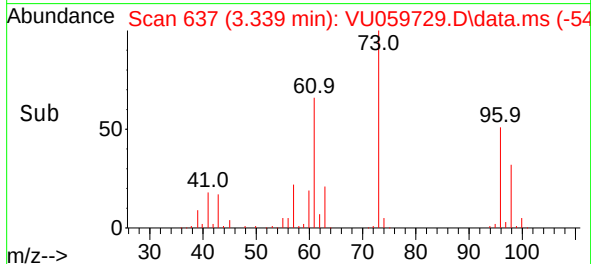
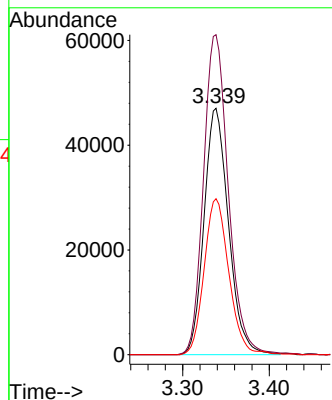
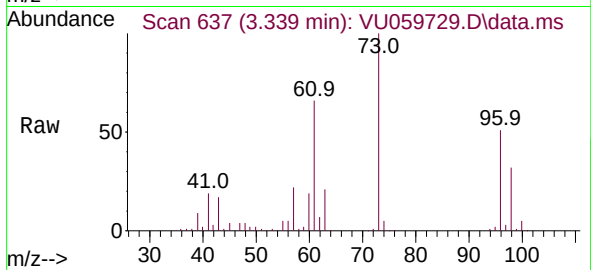




#17
trans-1,2-Dichloroethene
Concen: 47.132 ug/L
RT: 3.339 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

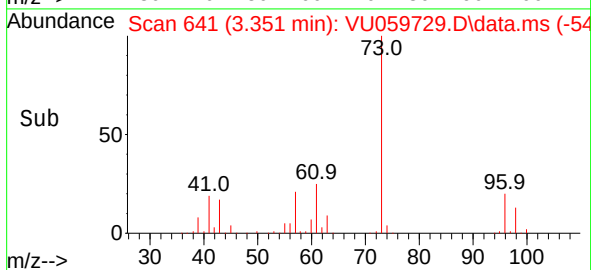
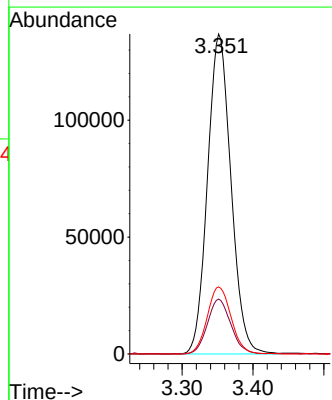
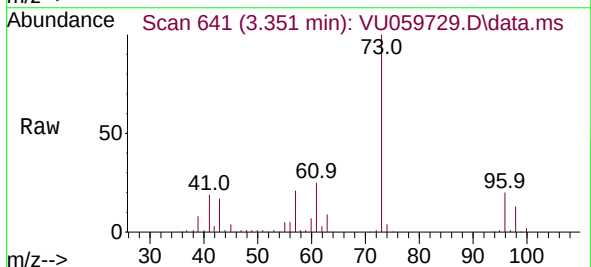
Instrument :
MSVOA_U
ClientSampleId :

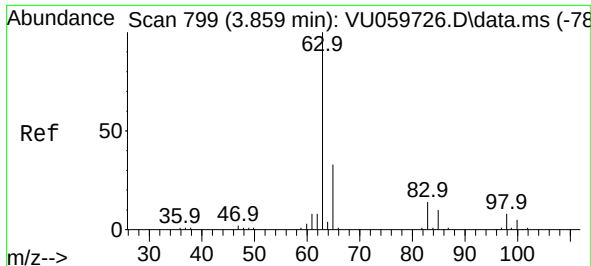
Tgt Ion: 96 Resp: 92480
Ion Ratio Lower Upper
96 100
61 129.9 90.6 168.3
98 63.3 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 49.416 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 73 Resp: 314918
Ion Ratio Lower Upper
73 100
43 17.2 14.1 21.1
57 21.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 48.384 ug/L

RT: 3.853 min Scan# 799

Delta R.T. -0.006 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

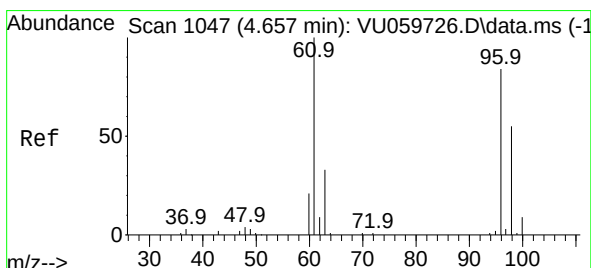
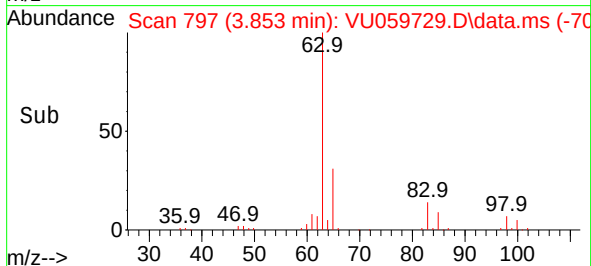
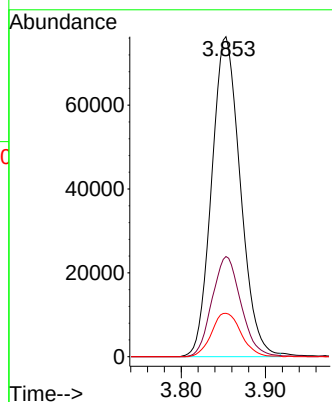
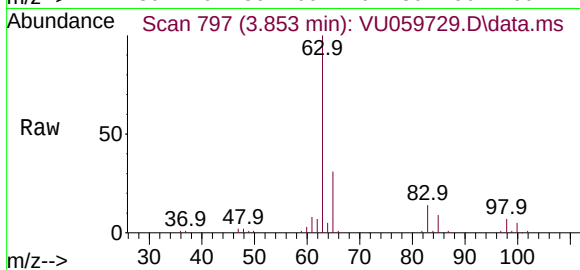
Tgt Ion: 63 Resp: 180059

Ion Ratio Lower Upper

63 100

65 31.3 23.3 43.3

83 13.6 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.317 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

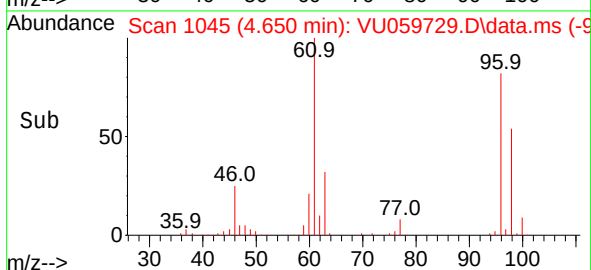
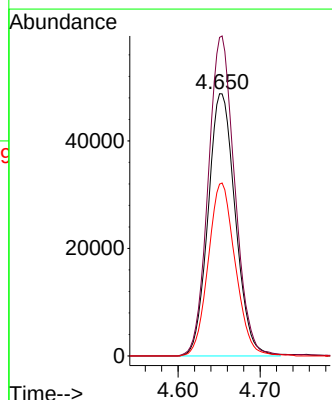
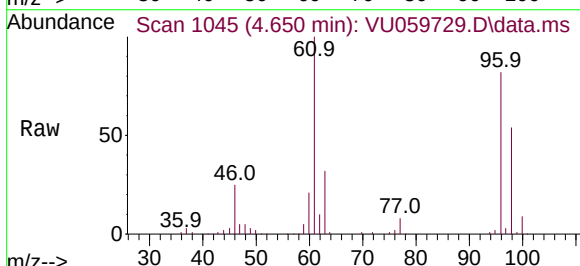
Tgt Ion: 96 Resp: 112423

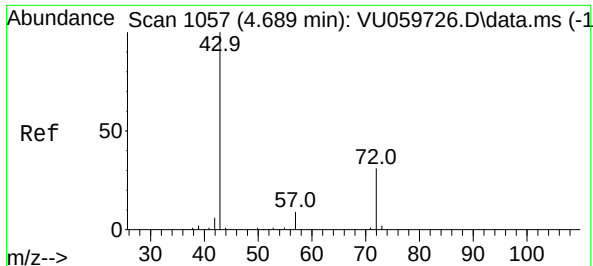
Ion Ratio Lower Upper

96 100

61 121.5 83.2 154.4

98 65.5 45.9 85.3

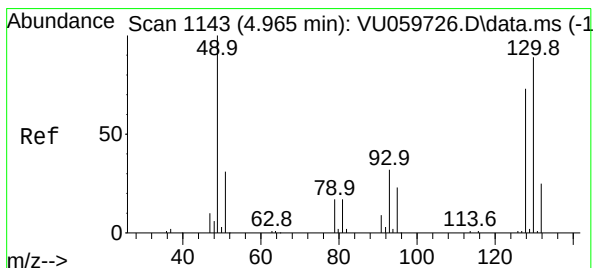
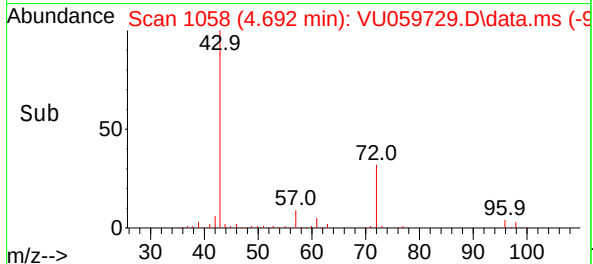
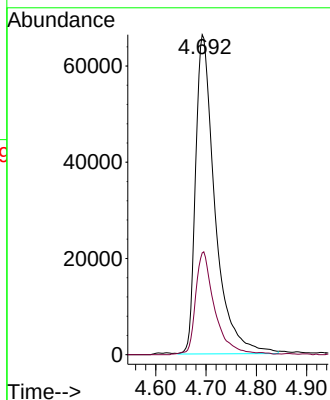
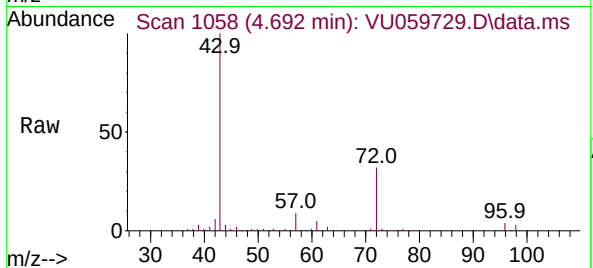




#22
2-Butanone
Concen: 97.750 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

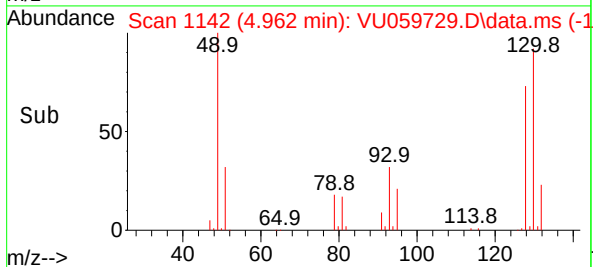
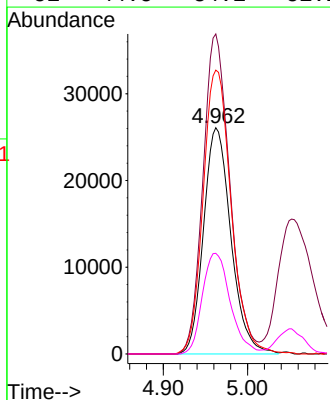
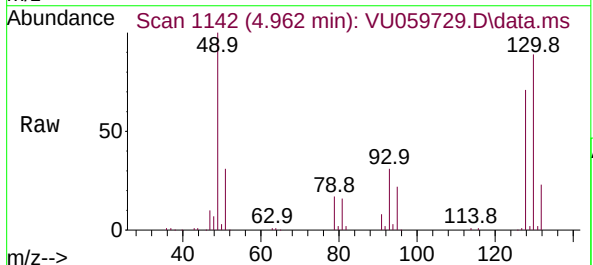
Instrument :
MSVOA_U
ClientSampleId :

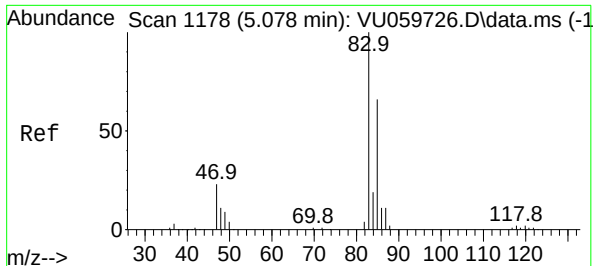
Tgt Ion: 43 Resp: 177625
Ion Ratio Lower Upper
43 100
72 31.6 16.4 49.2



#23
Bromochloromethane
Concen: 47.025 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 128 Resp: 58932
Ion Ratio Lower Upper
128 100
49 141.5 96.7 179.7
130 125.5 86.3 160.3
51 44.5 34.1 51.1





#25

Chloroform

Concen: 47.251 ug/L

RT: 5.075 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

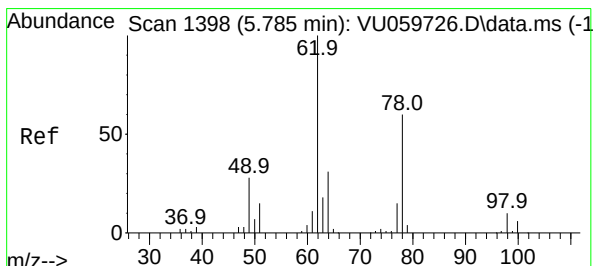
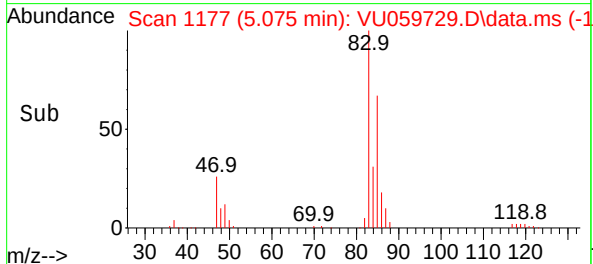
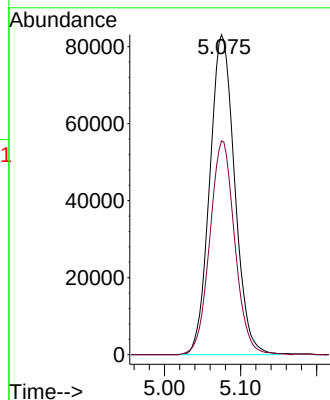
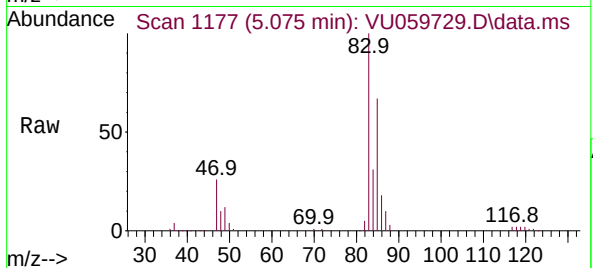
ClientSampleId :

Tgt Ion: 83 Resp: 189222

Ion Ratio Lower Upper

83 100

85 66.9 46.7 86.7



#27

1,2-Dichloroethane

Concen: 47.543 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU059729.D

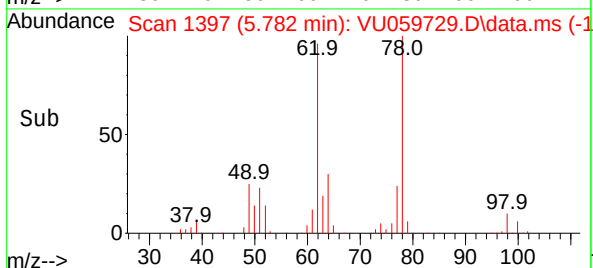
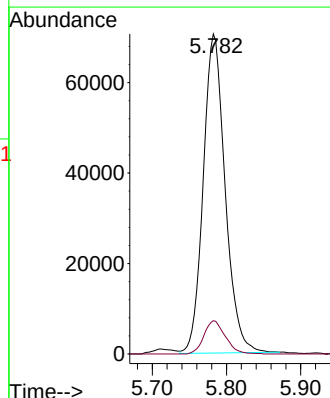
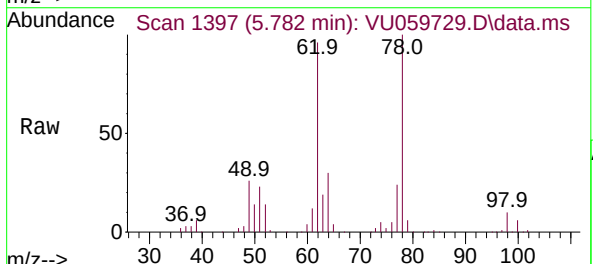
Acq: 02 Jul 2024 10:55

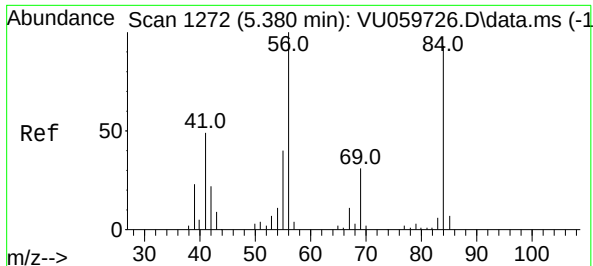
Tgt Ion: 62 Resp: 144534

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.8





#29

Cyclohexane

Concen: 51.493 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

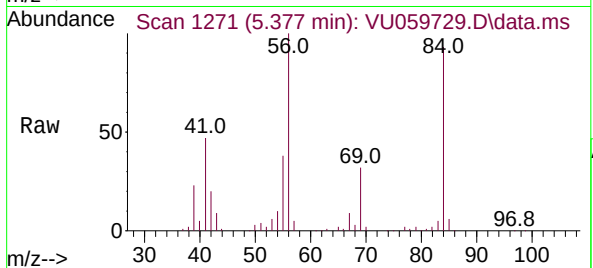
Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :



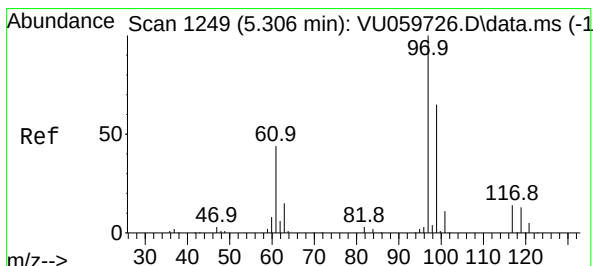
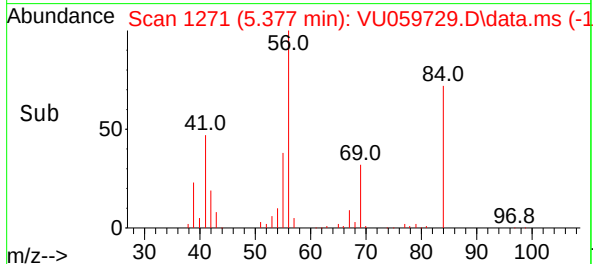
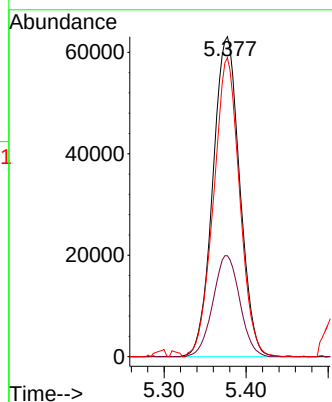
Tgt Ion: 56 Resp: 143361

Ion Ratio Lower Upper

56 100

69 31.7 26.0 39.0

84 90.8 75.5 113.3



#30

1,1,1-Trichloroethane

Concen: 47.830 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

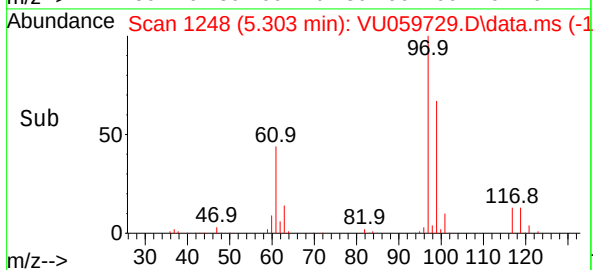
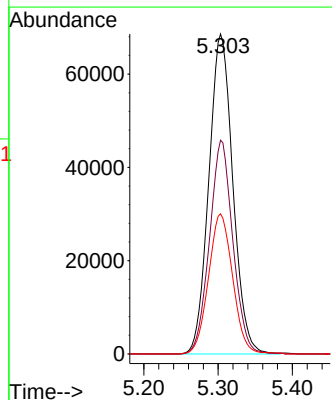
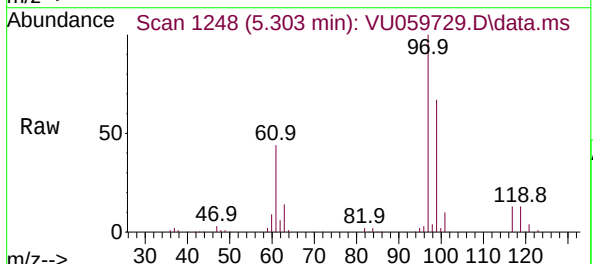
Tgt Ion: 97 Resp: 154065

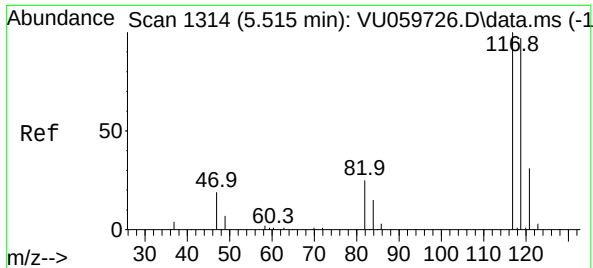
Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 44.1 35.2 52.8

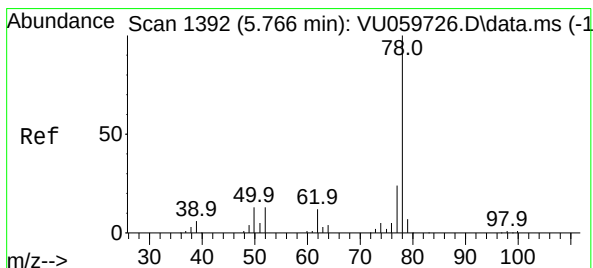
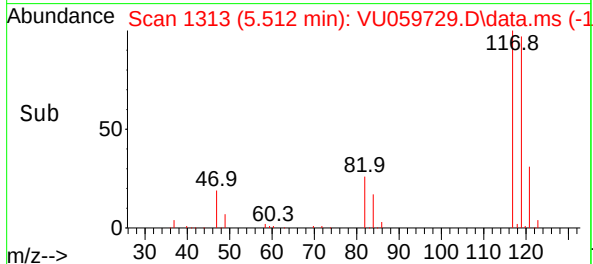
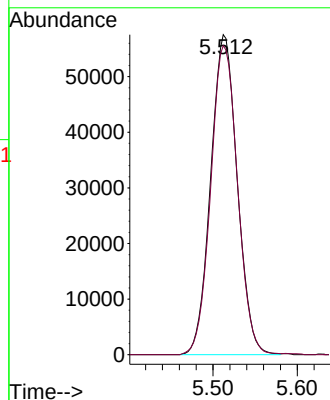
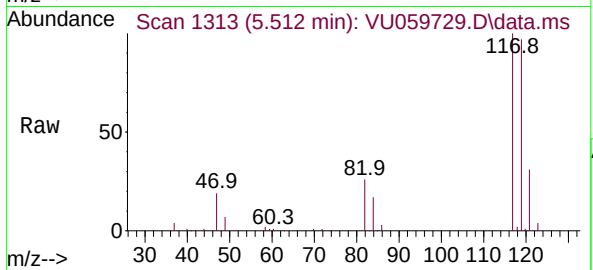




#31
Carbon tetrachloride
Concen: 47.366 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

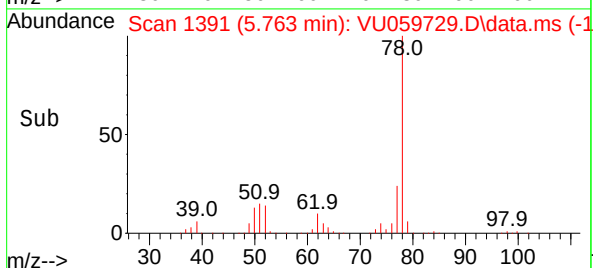
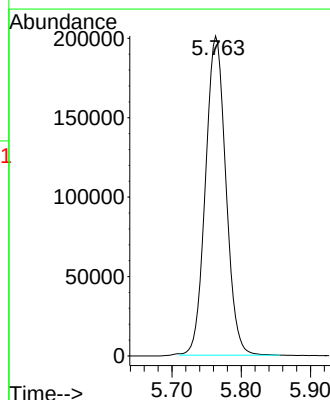
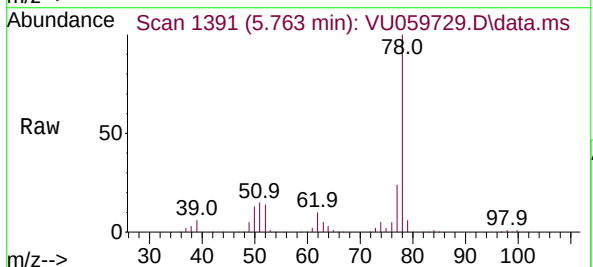
Instrument :
MSVOA_U
ClientSampleId :

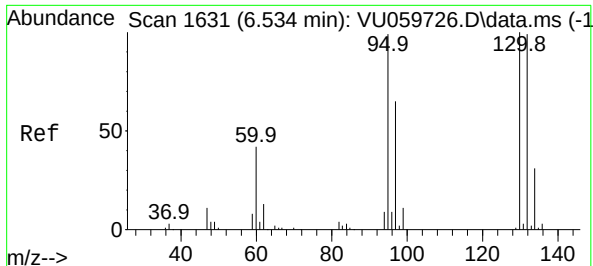
Tgt Ion:117 Resp: 126029
Ion Ratio Lower Upper
117 100
119 97.5 77.6 116.4



#33
Benzene
Concen: 48.872 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 78 Resp: 410338

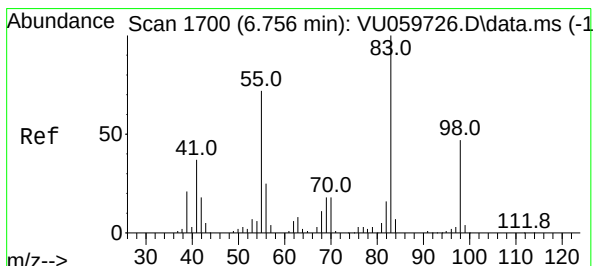
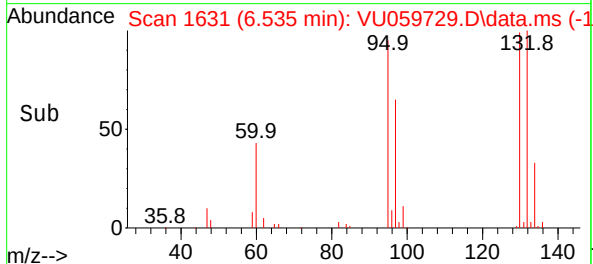
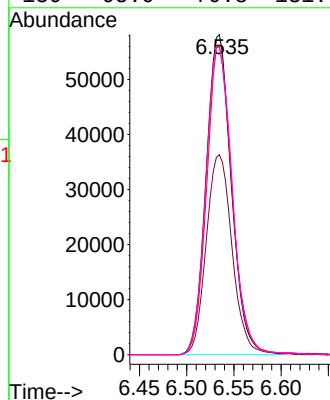
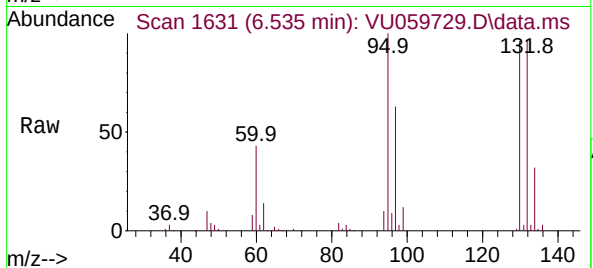




#34
Trichloroethene
Concen: 48.321 ug/L
RT: 6.535 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

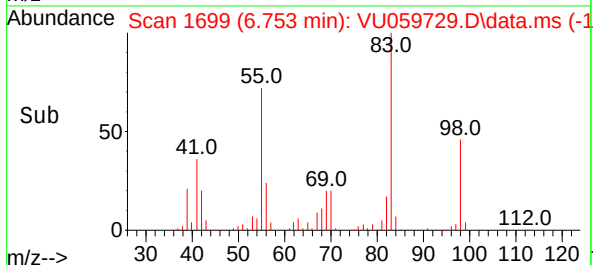
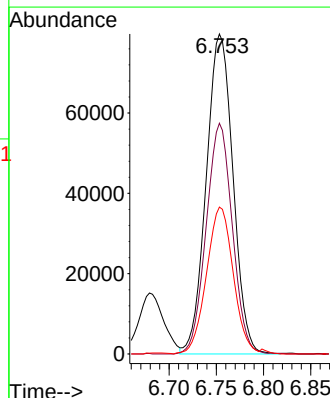
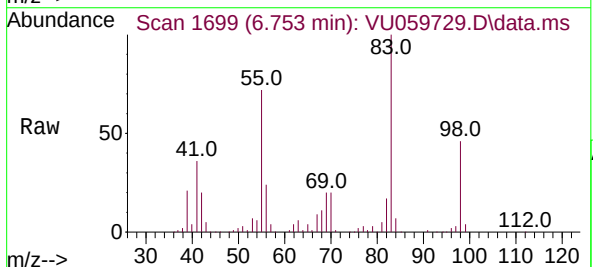
Instrument :
MSVOA_U
ClientSampleId :

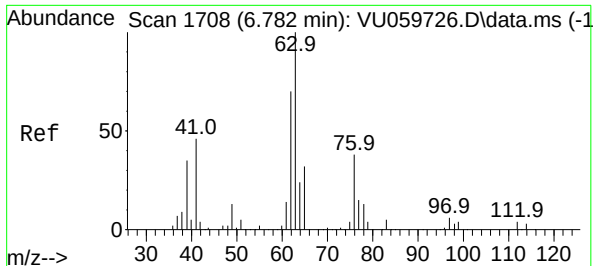
Tgt Ion: 95 Resp: 108267
Ion Ratio Lower Upper
95 100
97 62.5 45.8 85.2
132 96.5 69.8 129.6
130 95.9 70.8 131.6



#35
Methylcyclohexane
Concen: 50.762 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 83 Resp: 157078
Ion Ratio Lower Upper
83 100
55 70.4 56.8 85.2
98 45.9 36.5 54.7

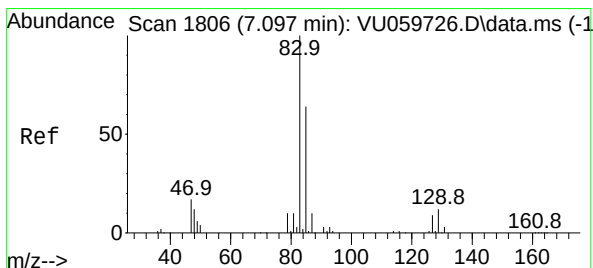
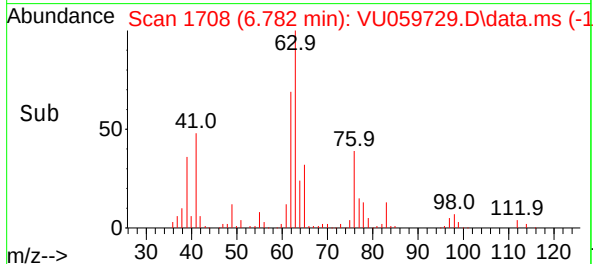
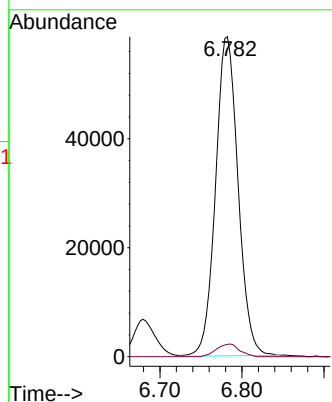
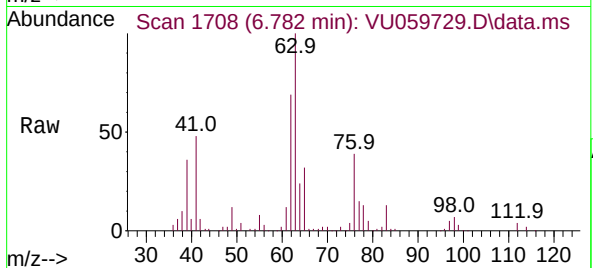




#37
1,2-Dichloropropane
Concen: 48.377 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

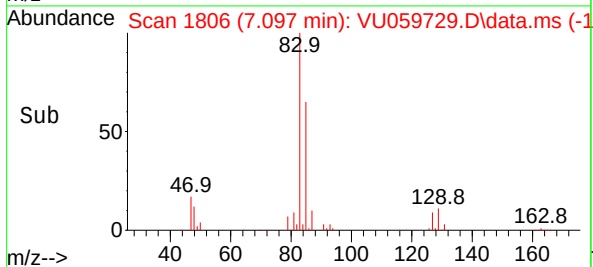
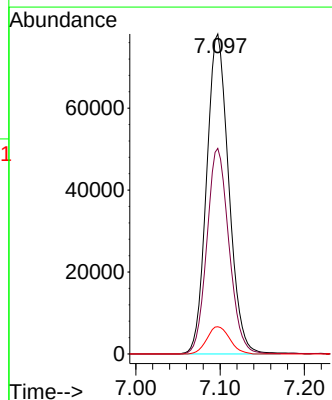
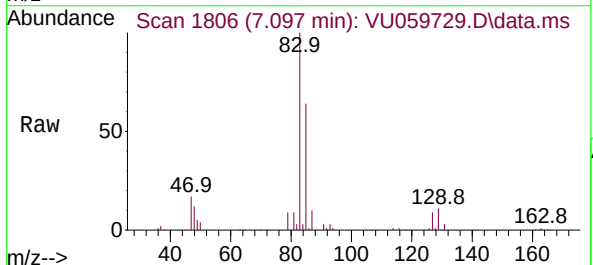
Instrument :
MSVOA_U
ClientSampleId :

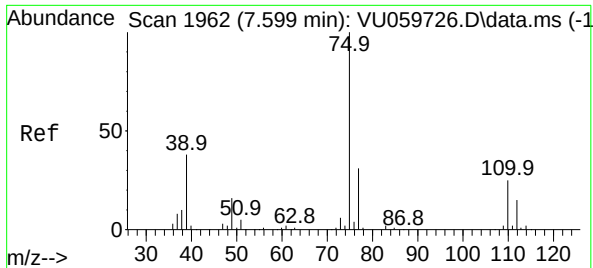
Tgt Ion: 63 Resp: 111803
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 48.697 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 83 Resp: 142599
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6
127 8.5 7.4 11.2

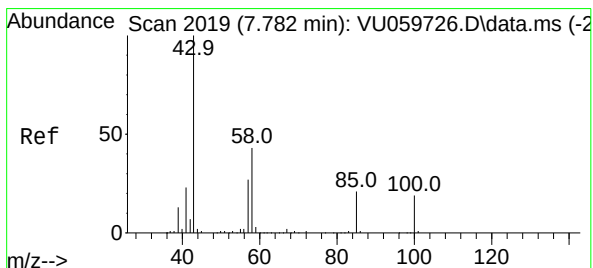
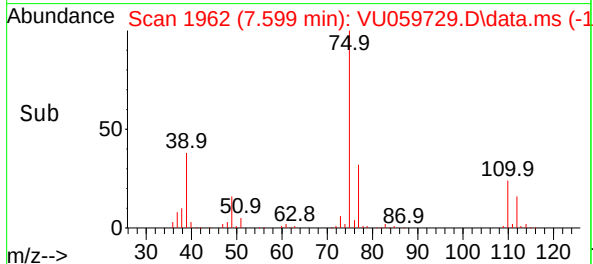
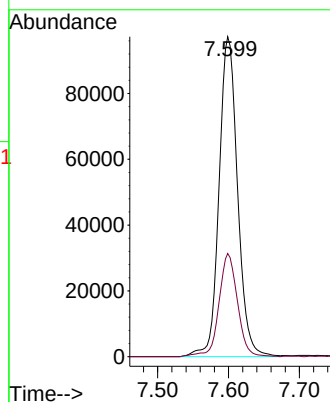
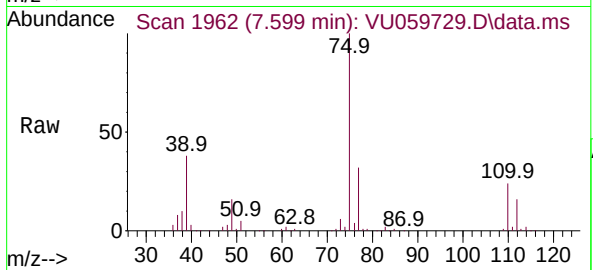




#39
 cis-1,3-Dichloropropene
 Concen: 49.929 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059729.D
 Acq: 02 Jul 2024 10:55

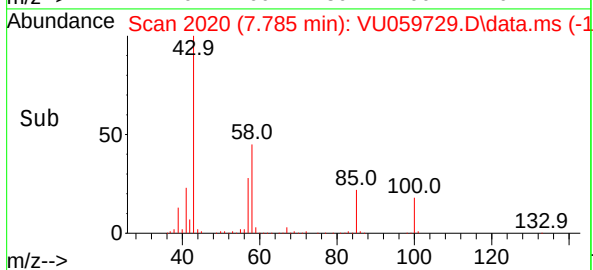
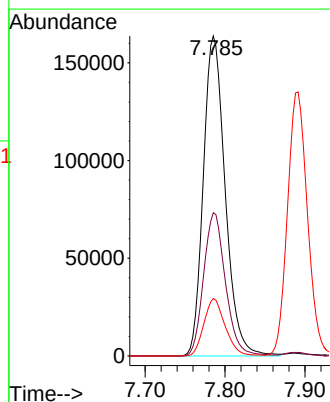
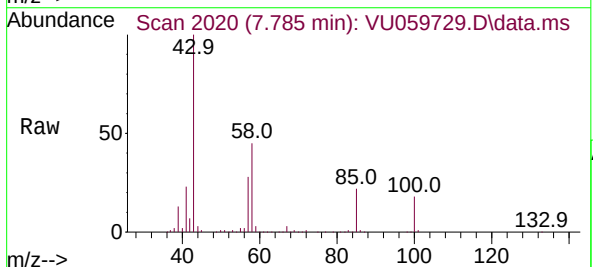
Instrument :
 MSVOA_U
 ClientSampleId :

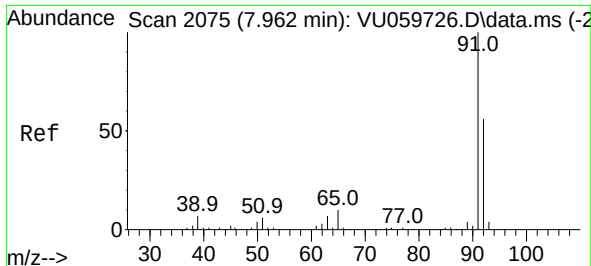
Tgt Ion: 75 Resp: 176544
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 106.853 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU059729.D
 Acq: 02 Jul 2024 10:55

Tgt Ion: 43 Resp: 312112
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.3 52.9
 100 17.5 14.6 22.0





#42

Toluene

Concen: 49.737 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

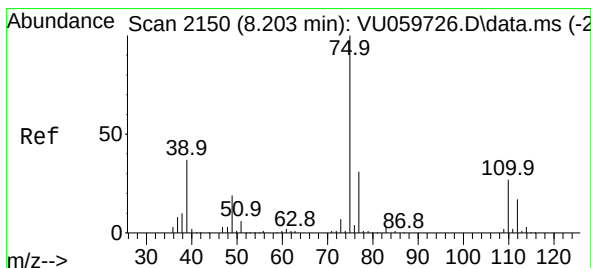
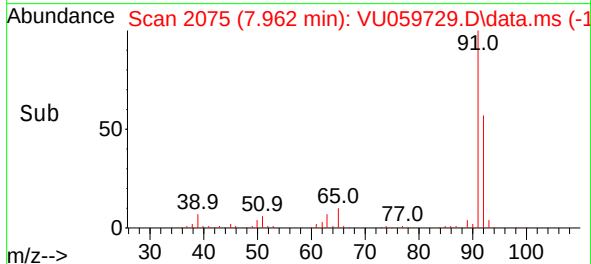
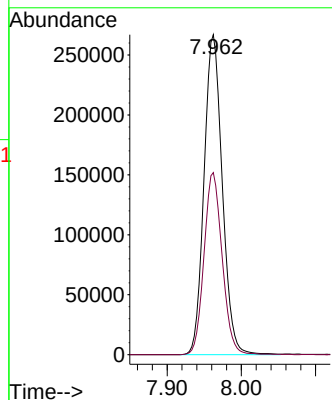
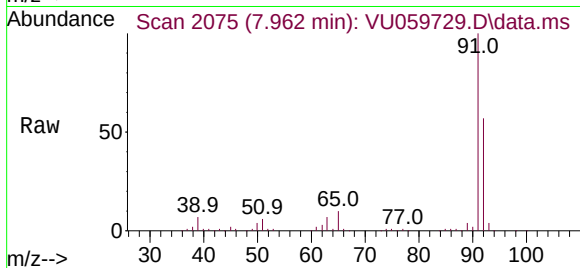
ClientSampleId :

Tgt Ion: 91 Resp: 455899

Ion Ratio Lower Upper

91 100

92 56.9 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 49.877 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059729.D

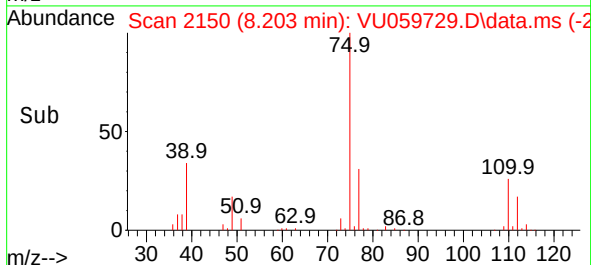
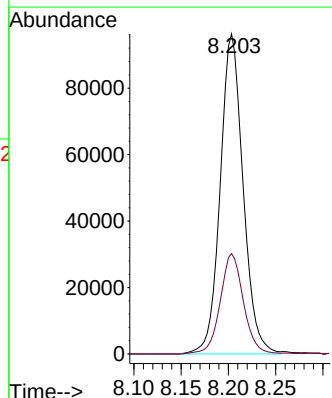
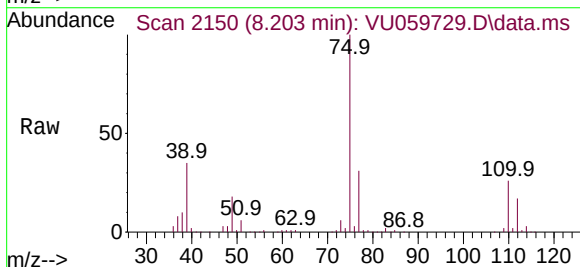
Acq: 02 Jul 2024 10:55

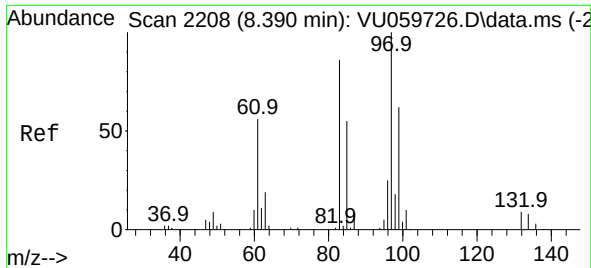
Tgt Ion: 75 Resp: 161998

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3

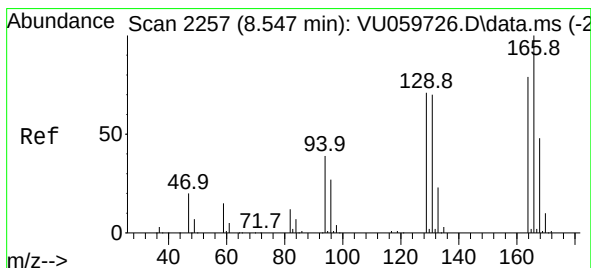
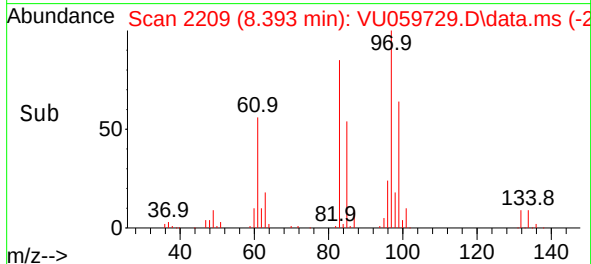
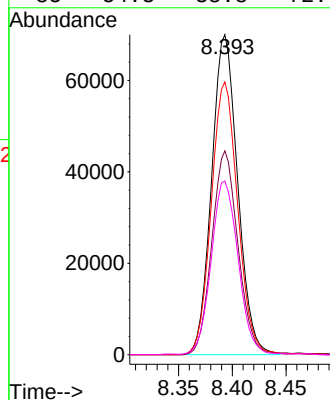
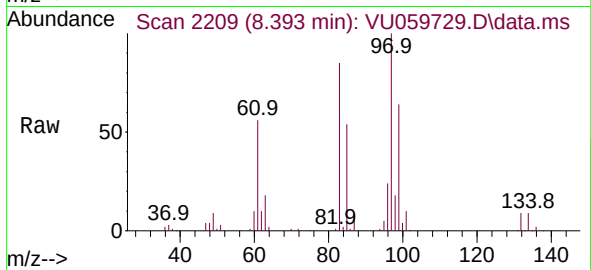




#45
1,1,2-Trichloroethane
Concen: 48.799 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.004 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

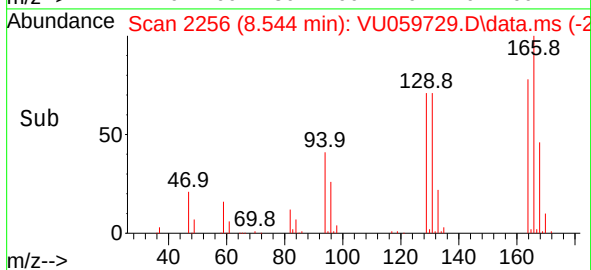
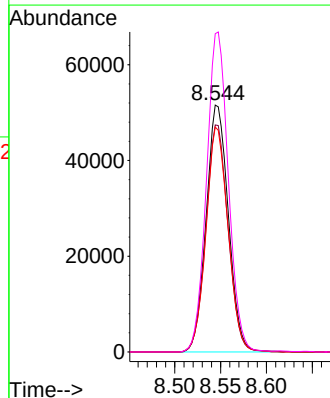
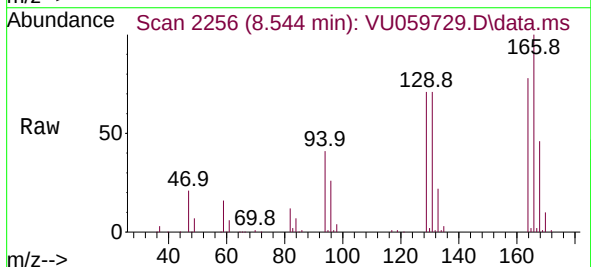
Instrument :
MSVOA_U
ClientSampleId :

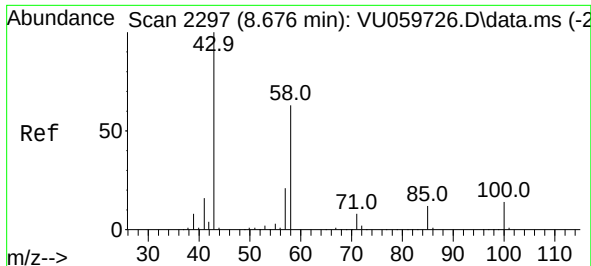
Tgt Ion:	97	Resp:	118110
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.1	80.1
83	85.2	60.4	112.2
85	54.3	38.8	72.0



#46
Tetrachloroethene
Concen: 47.320 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion:	164	Resp:	87222
Ion	Ratio	Lower	Upper
164	100		
129	91.9	62.7	116.5
131	91.1	62.3	115.7
166	128.9	88.9	165.1

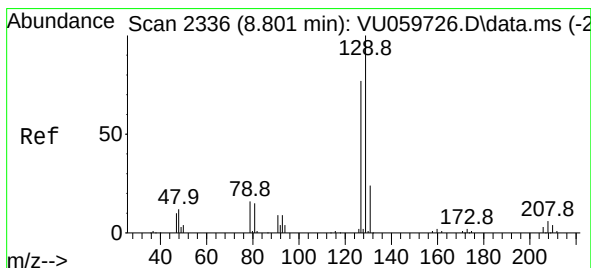
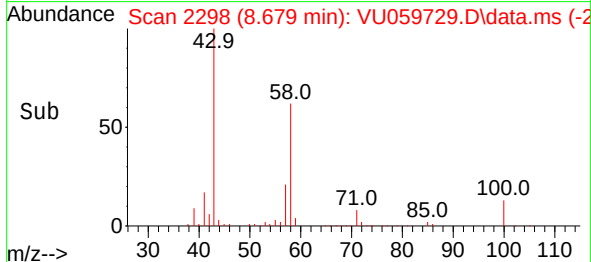
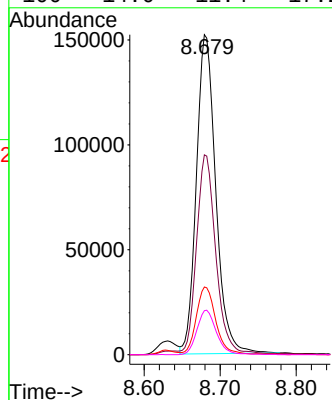
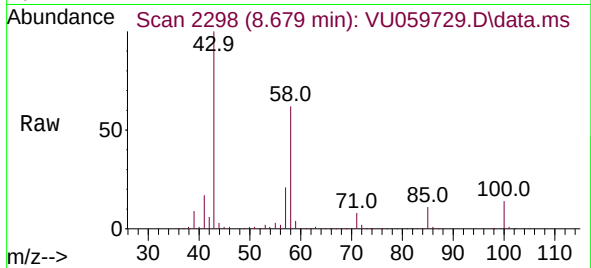




#48
2-Hexanone
Concen: 110.510 ug/L
RT: 8.679 min Scan# 2297
Delta R.T. 0.004 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

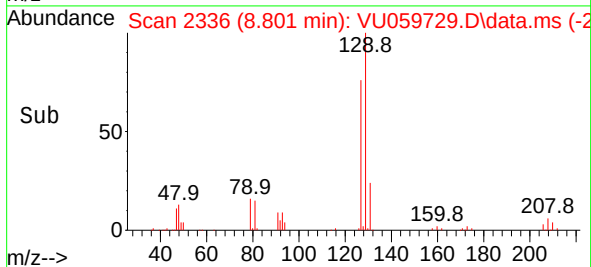
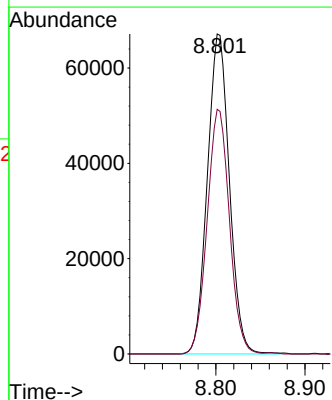
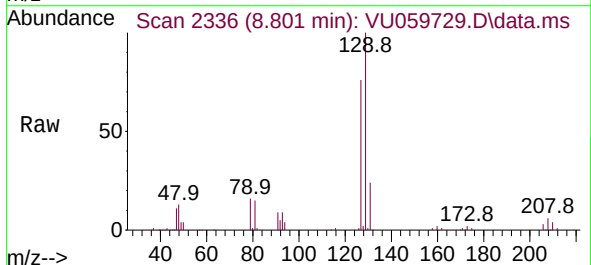
Instrument :
MSVOA_U
ClientSampleId :

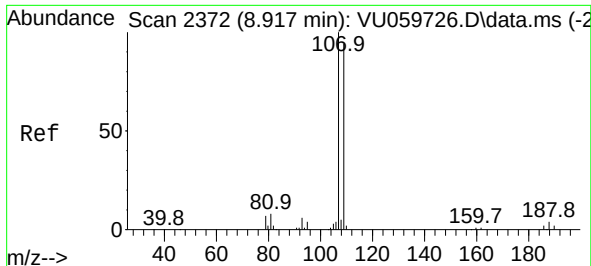
Tgt Ion: 43	Resp: 270154
Ion Ratio	Lower Upper
43 100	
58 61.8	49.0 73.6
57 21.1	16.7 25.1
100 14.0	11.4 17.2



#49
Dibromochloromethane
Concen: 48.335 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion: 129	Resp: 115266
Ion Ratio	Lower Upper
129 100	
127 76.4	54.0 100.2

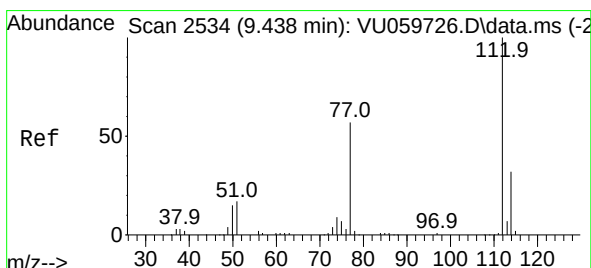
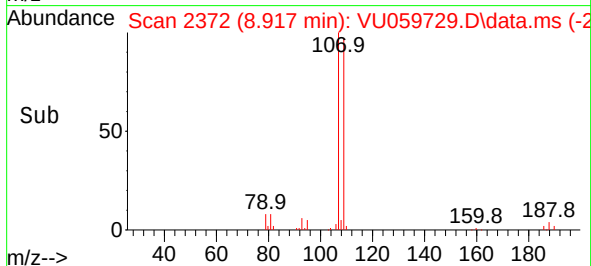
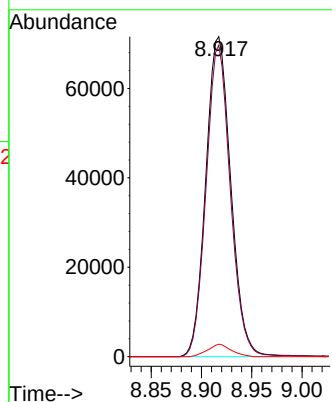
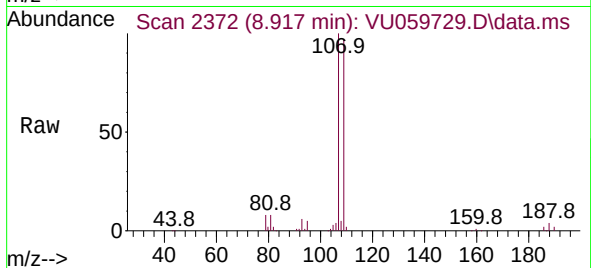




#50
1,2-Dibromoethane
Concen: 48.926 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

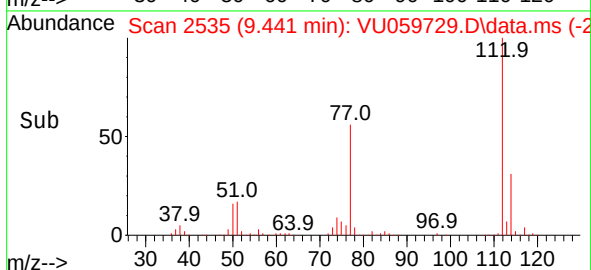
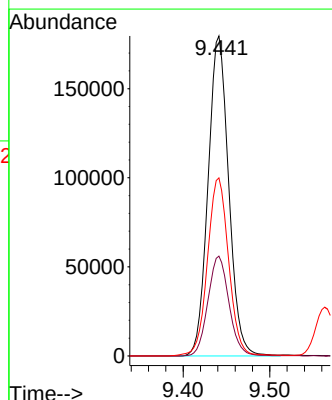
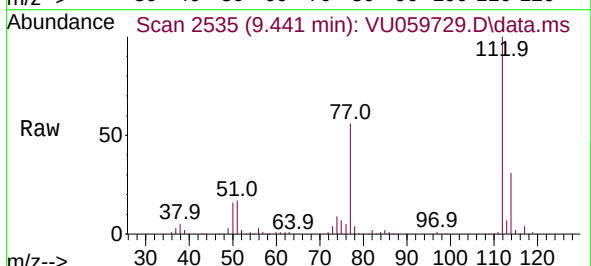
Instrument :
MSVOA_U
ClientSampleId :

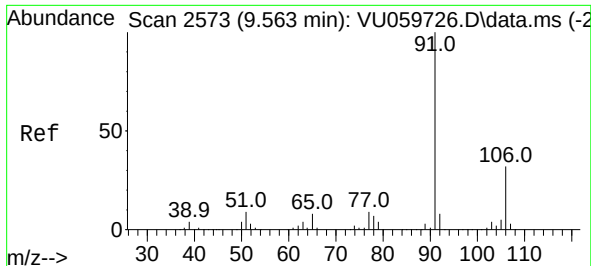
Tgt Ion:107 Resp: 123812
Ion Ratio Lower Upper
107 100
109 97.3 65.5 121.6
188 3.9 3.0 4.4



#51
Chlorobenzene
Concen: 48.807 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion:112 Resp: 296997
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 55.7 45.8 68.6





#52

Ethylbenzene

Concen: 50.111 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

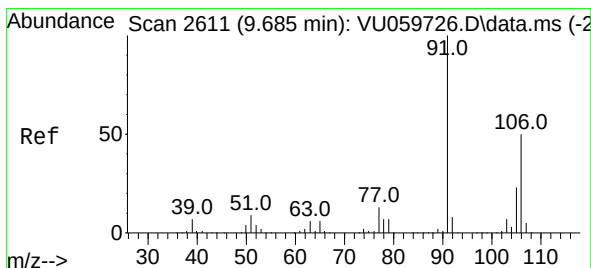
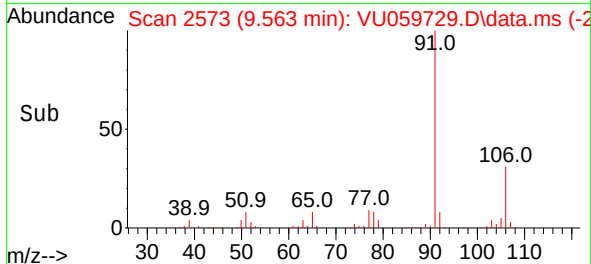
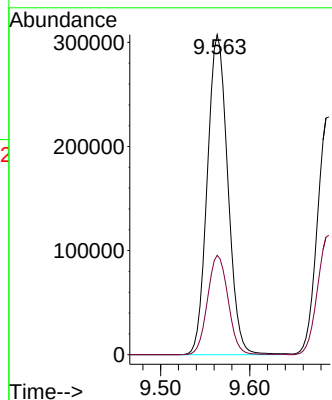
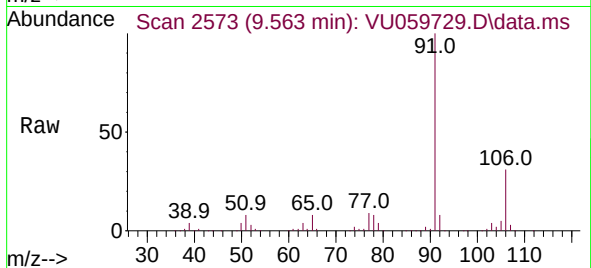
ClientSampleId :

Tgt Ion: 91 Resp: 490504

Ion Ratio Lower Upper

91 100

106 31.1 22.4 41.6



#53

m,p-Xylene

Concen: 50.210 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU059729.D

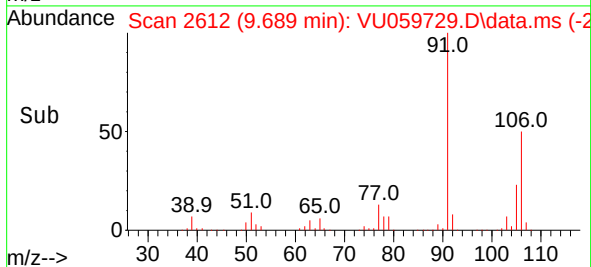
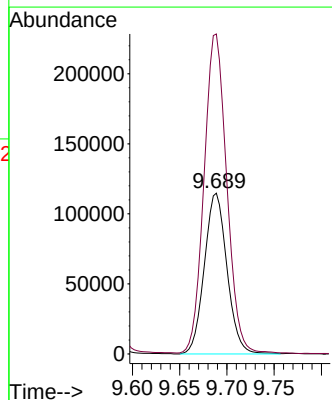
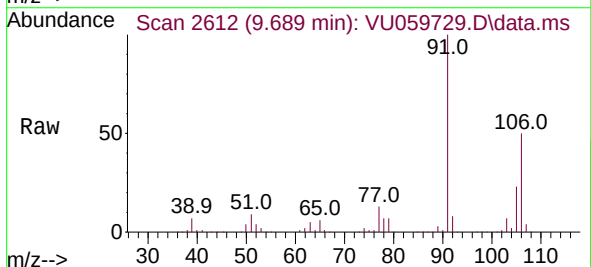
Acq: 02 Jul 2024 10:55

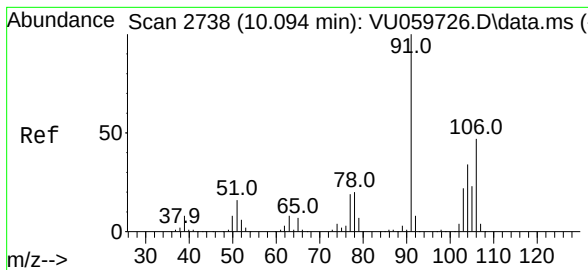
Tgt Ion:106 Resp: 191360

Ion Ratio Lower Upper

106 100

91 199.1 140.9 261.7

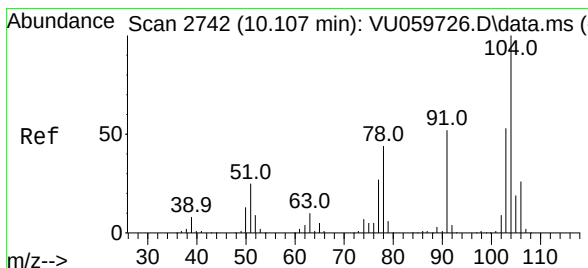
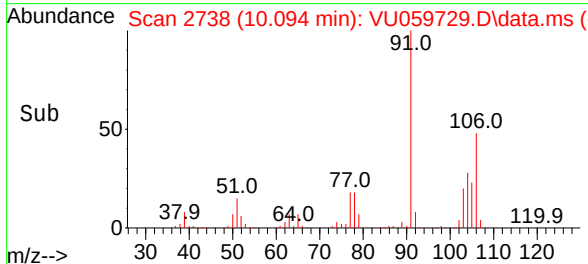
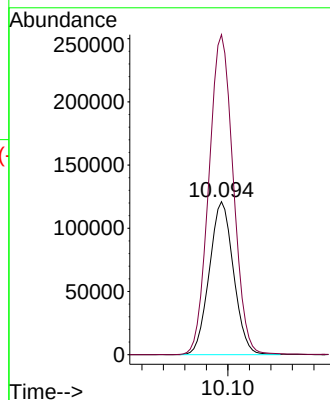
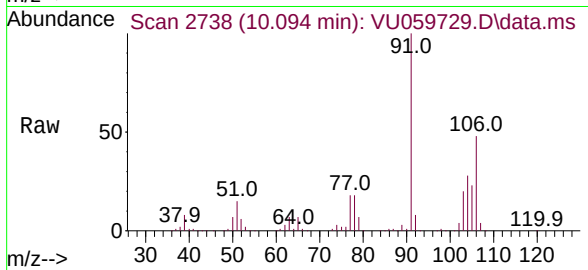




#54
o-Xylene
Concen: 51.586 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

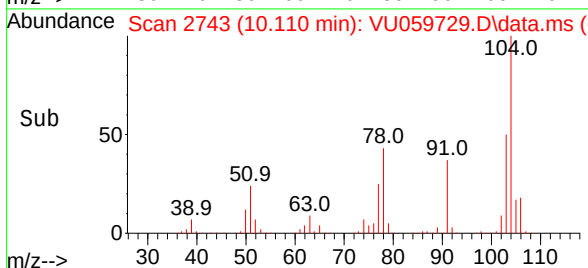
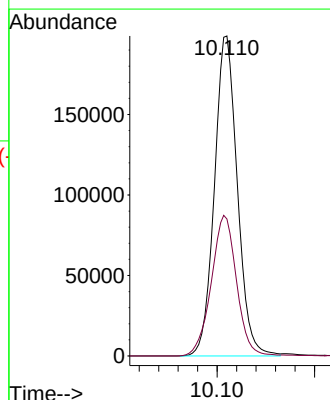
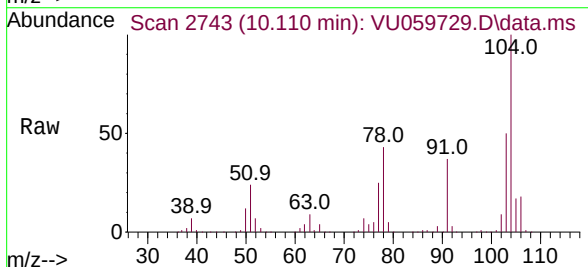
Instrument :
MSVOA_U
ClientSampleId :

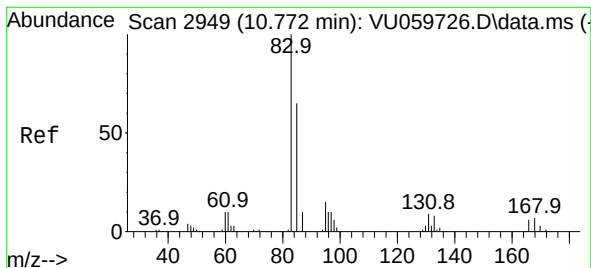
Tgt Ion:106 Resp: 189061
Ion Ratio Lower Upper
106 100
91 209.3 147.4 273.8



#55
Styrene
Concen: 52.548 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.004 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion:104 Resp: 324907
Ion Ratio Lower Upper
104 100
78 42.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 54.987 ug/L

RT: 10.776 min Scan# 2949

Delta R.T. 0.004 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

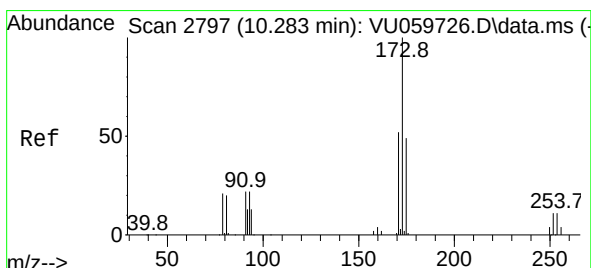
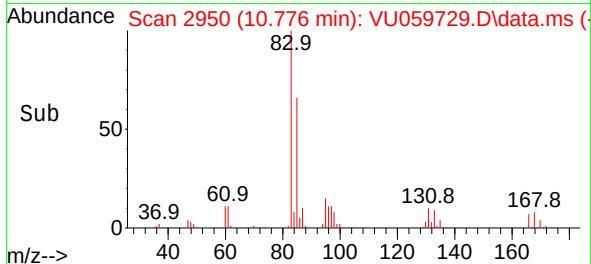
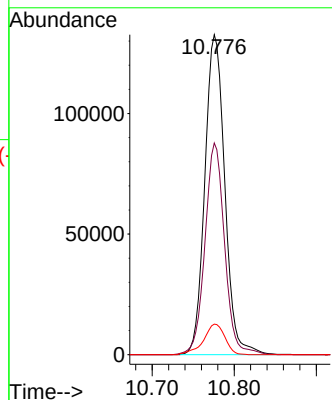
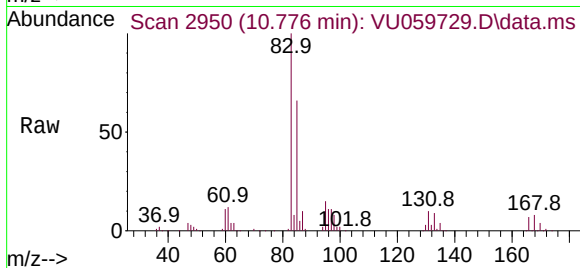
Tgt Ion: 83 Resp: 224434

Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.2

131 9.6 7.5 11.3



#59

Bromoform

Concen: 47.937 ug/L

RT: 10.284 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

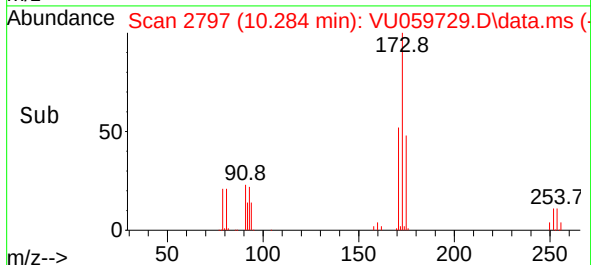
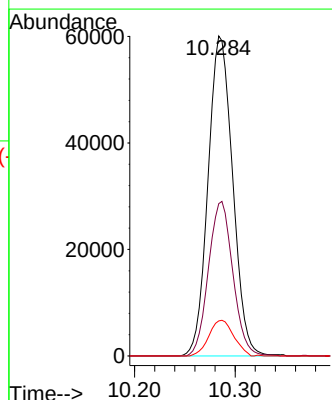
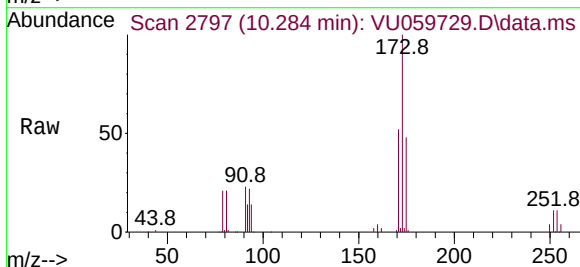
Tgt Ion:173 Resp: 102284

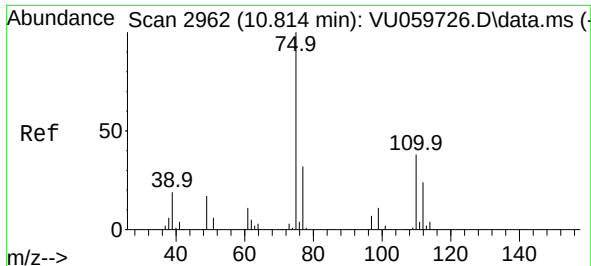
Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.2

254 11.3 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 49.727 ug/L

RT: 10.817 min Scan# 2962

Delta R.T. 0.004 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

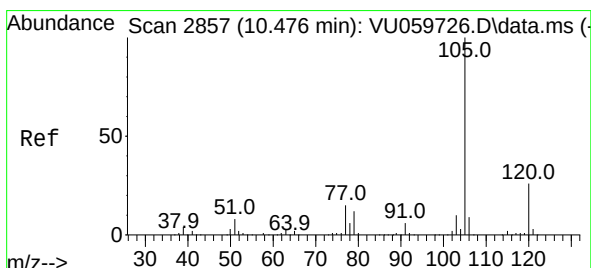
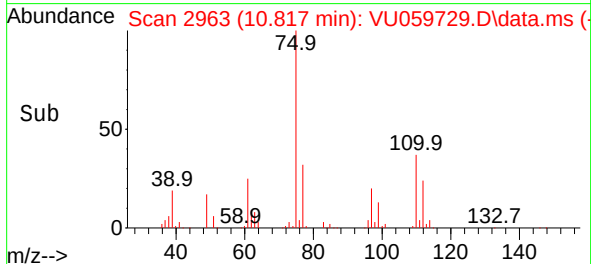
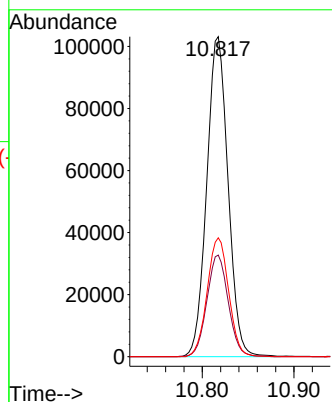
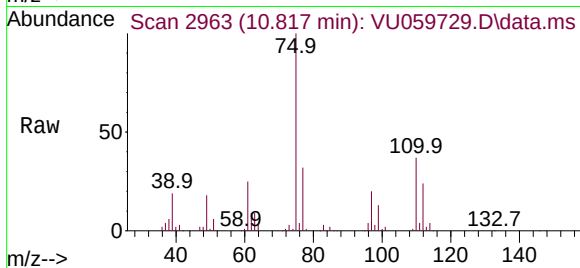
Tgt Ion: 75 Resp: 166541

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

110 37.4 30.7 46.1



#61

Isopropylbenzene

Concen: 48.167 ug/L

RT: 10.477 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

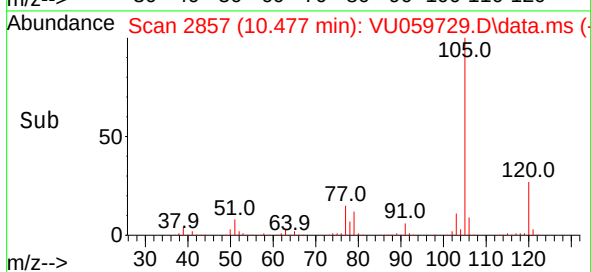
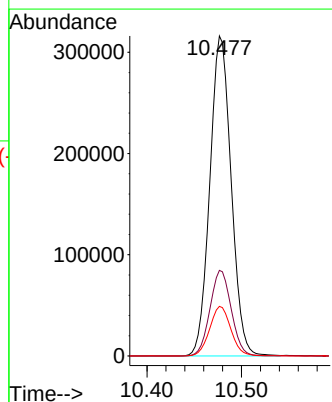
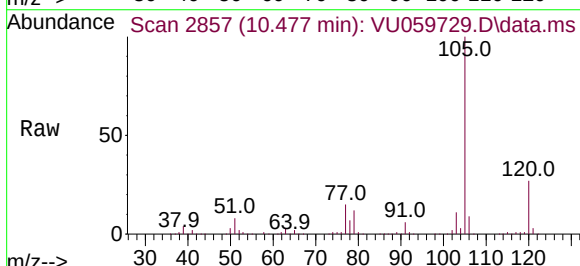
Tgt Ion:105 Resp: 495479

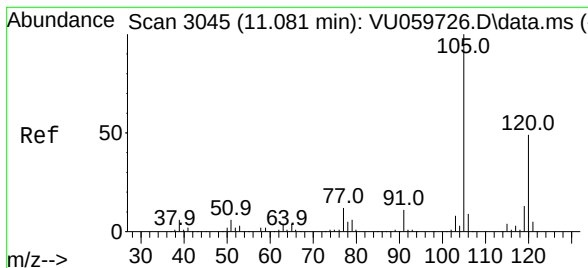
Ion Ratio Lower Upper

105 100

120 26.7 20.9 31.3

77 15.4 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 50.341 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

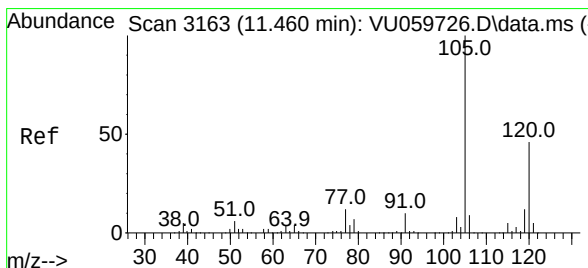
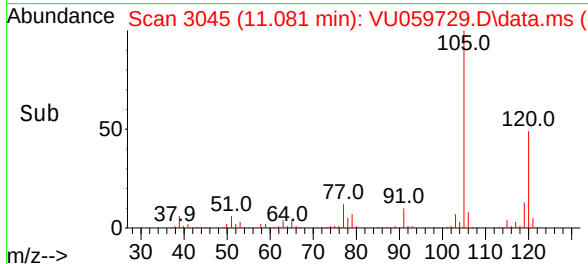
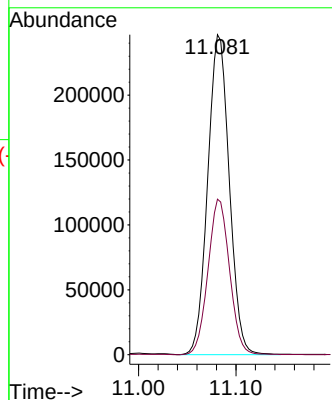
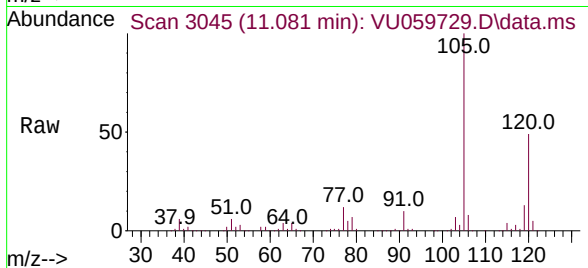
ClientSampleId :

Tgt Ion:105 Resp: 379085

Ion Ratio Lower Upper

105 100

120 48.6 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 52.108 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU059729.D

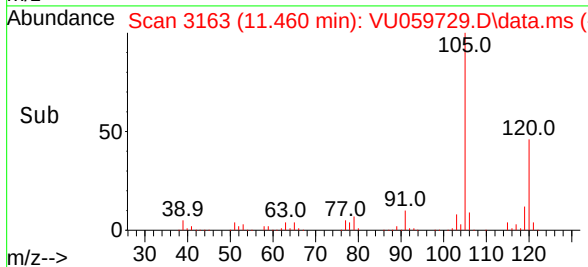
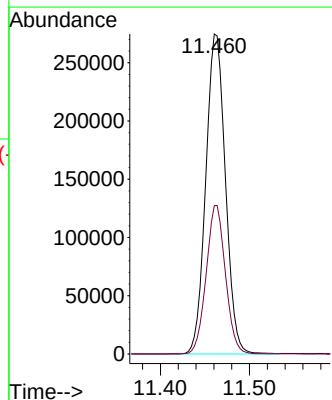
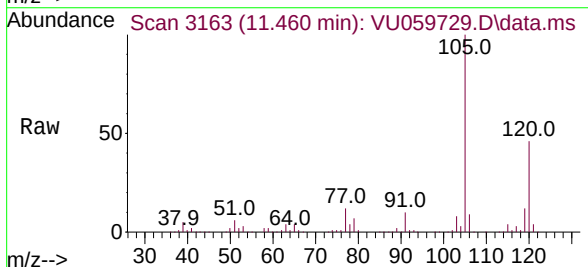
Acq: 02 Jul 2024 10:55

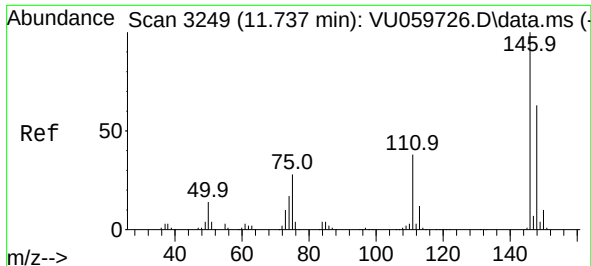
Tgt Ion:105 Resp: 420313

Ion Ratio Lower Upper

105 100

120 45.3 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 48.729 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

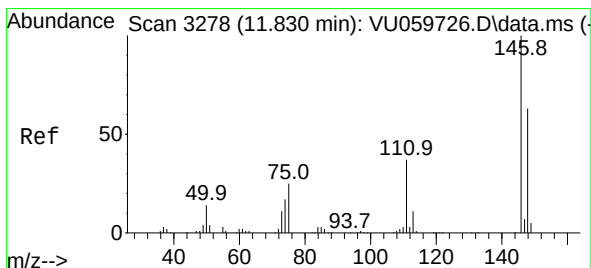
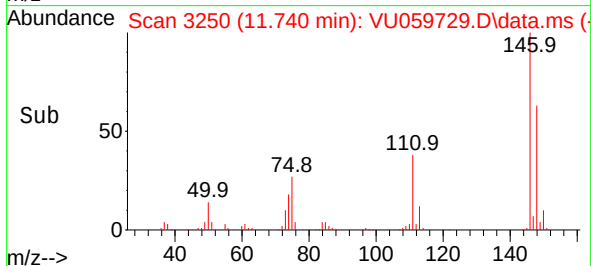
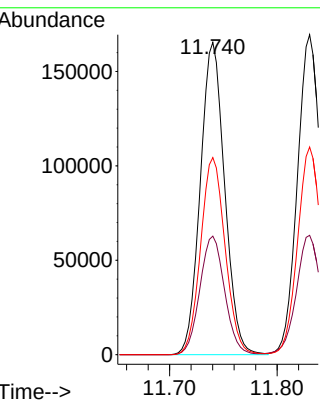
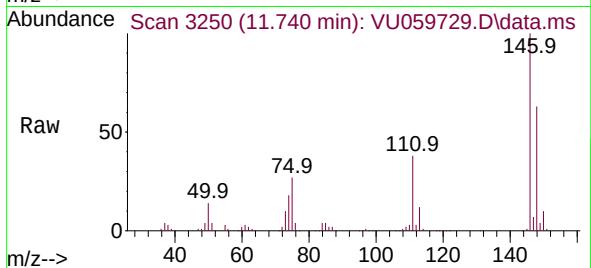
Tgt Ion:146 Resp: 259958

Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.1

148 63.1 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 48.281 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

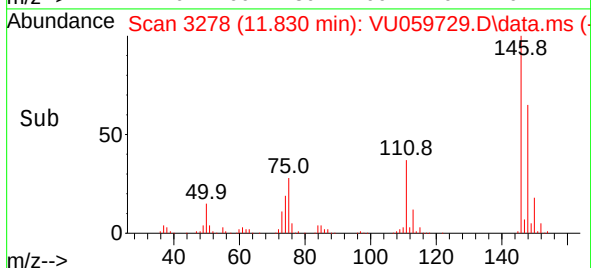
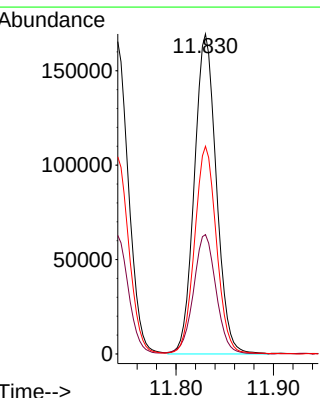
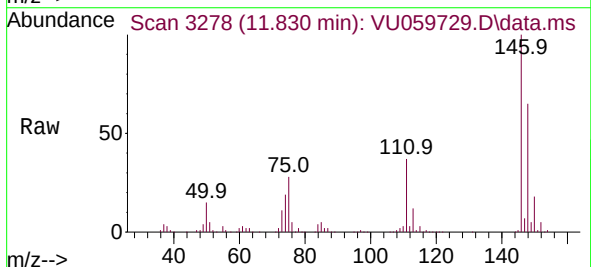
Tgt Ion:146 Resp: 266266

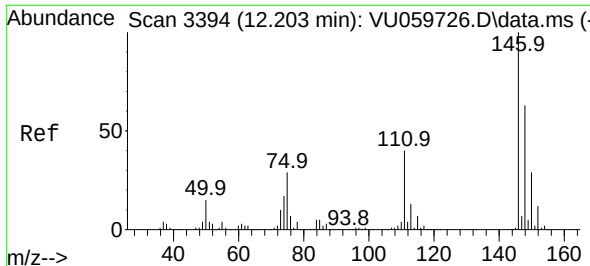
Ion Ratio Lower Upper

146 100

111 37.3 25.9 48.1

148 64.9 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 49.957 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.004 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

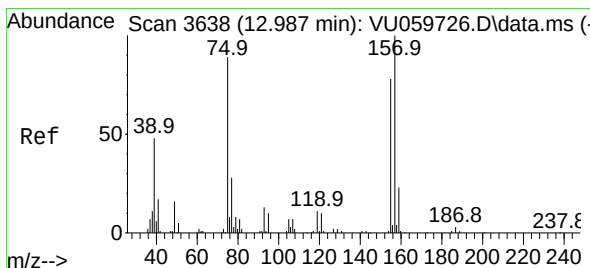
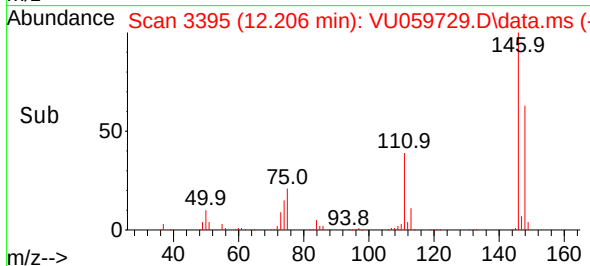
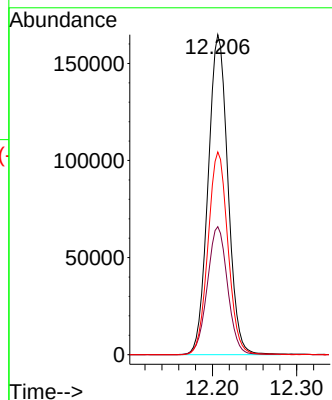
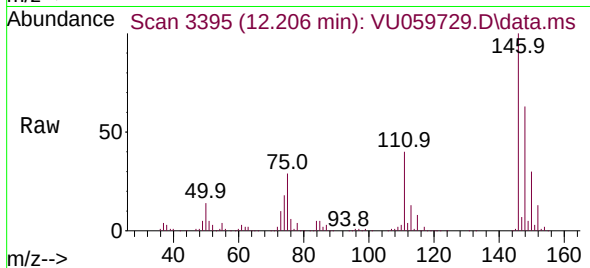
Tgt Ion:146 Resp: 269227

Ion Ratio Lower Upper

146 100

111 40.0 31.7 47.5

148 63.4 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.290 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

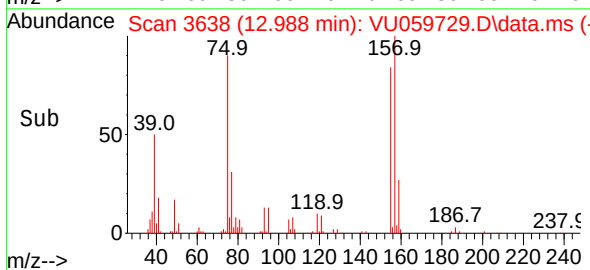
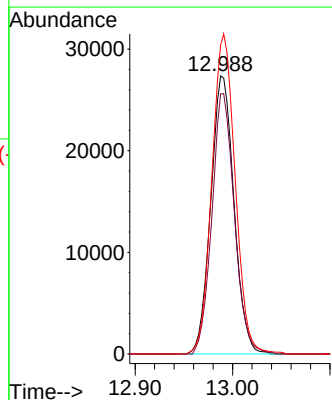
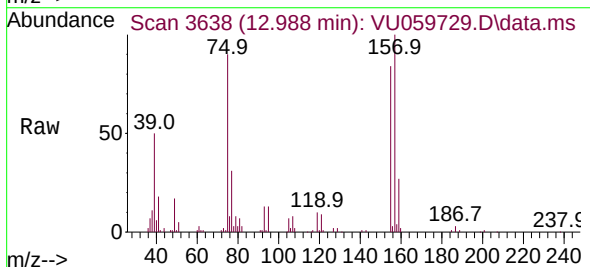
Tgt Ion: 75 Resp: 45145

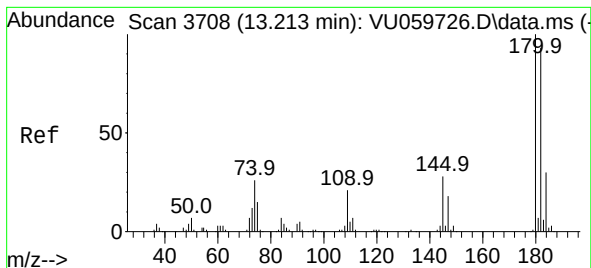
Ion Ratio Lower Upper

75 100

155 97.2 73.5 110.3

157 111.3 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 50.221 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 193166

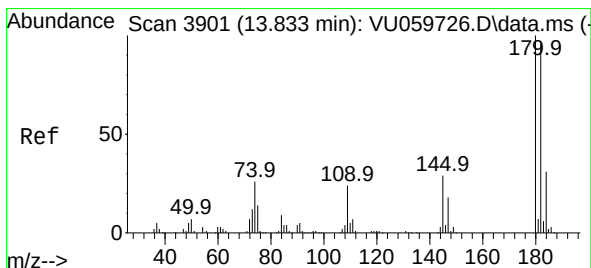
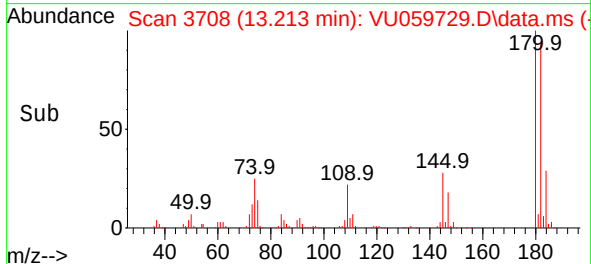
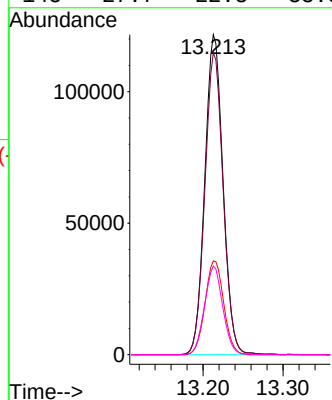
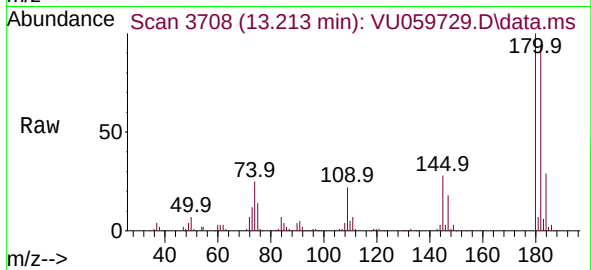
Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

184 30.0 24.7 37.1

145 27.7 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 48.204 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU059729.D

Acq: 02 Jul 2024 10:55

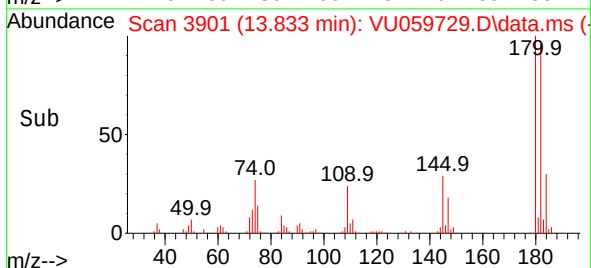
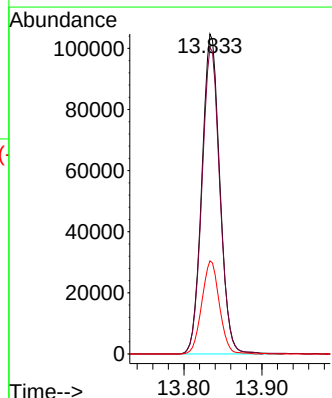
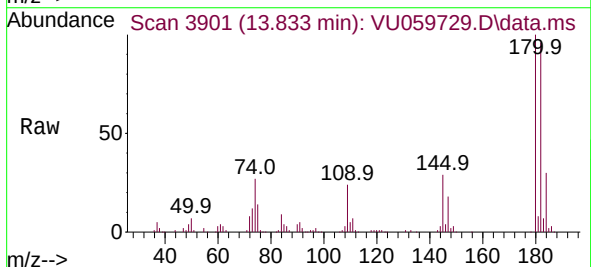
Tgt Ion:180 Resp: 167112

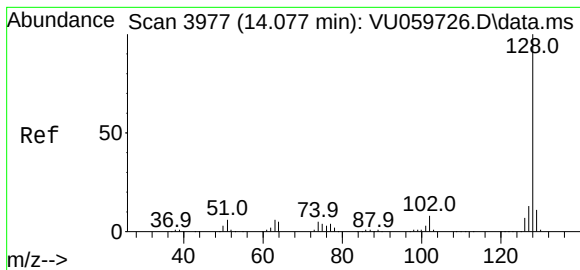
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

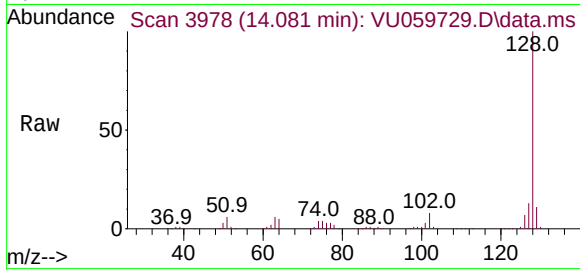
145 28.5 23.0 34.4



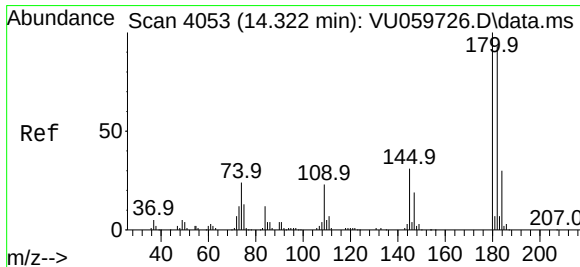
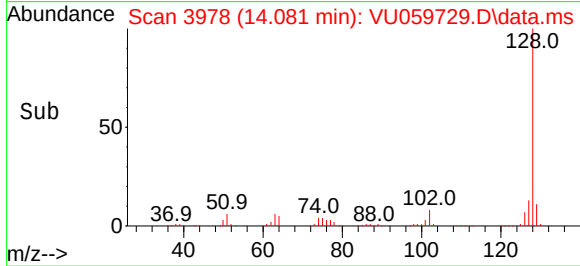
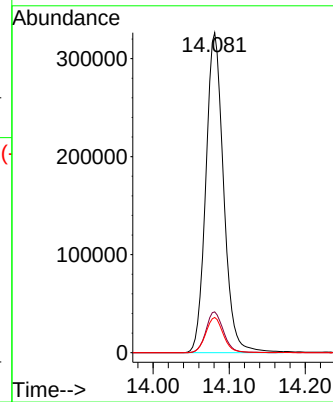


#71
Naphthalene
Concen: 52.976 ug/L
RT: 14.081 min Scan# 3977
Delta R.T. 0.004 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 530735
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.320 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU059729.D
Acq: 02 Jul 2024 10:55

Tgt Ion:180 Resp: 171545
Ion Ratio Lower Upper
180 100
182 95.8 75.8 113.8
145 30.7 24.5 36.7

