

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061024\
 Data File : VU059196.D
 Acq On : 10 Jun 2024 09:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 05:53:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 01:56:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	308325	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	299583	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	160101	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	87964	47.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.300%
7) Chloroethane-d5	1.907	69	76653	48.472	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.940%
11) 1,1-Dichloroethene-d2	2.563	63	176826	48.527	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.060%
21) 2-Butanone-d5	4.612	46	115579	66.423	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.420%
24) Chloroform-d	5.052	84	170884	46.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.692	65	99690	44.258	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.520%
32) Benzene-d6	5.718	84	342730	49.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.700%
36) 1,2-Dichloropropane-d6	6.682	67	103693	43.738	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.480%
41) Toluene-d8	7.891	98	314502	53.881	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.760%
43) trans-1,3-Dichloroprop...	8.174	79	46761	48.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.600%
47) 2-Hexanone-d5	8.624	63	83265	75.949	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.950%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	155803	38.831	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.660%
66) 1,2-Dichlorobenzene-d4	12.187	152	116368	48.705	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	145721	46.645	ug/L	98
3) Chloromethane	1.515	50	145446	40.284	ug/L	99
5) Vinyl chloride	1.599	62	161907	45.636	ug/L	100
6) Bromomethane	1.853	94	105464	37.157	ug/L	100
8) Chloroethane	1.930	64	97982	44.288	ug/L	100
9) Trichlorofluoromethane	2.132	101	206418	49.999	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	128769	53.609	ug/L	93
12) 1,1-Dichloroethene	2.573	96	119071	54.654	ug/L	86
13) Acetone	2.615	43	172746	84.461	ug/L	97
14) Carbon disulfide	2.788	76	365757	49.849	ug/L	100
15) Methyl Acetate	2.936	43	135656	41.873	ug/L	98
16) Methylene chloride	3.036	84	136653	46.357	ug/L	90
17) trans-1,2-Dichloroethene	3.345	96	123183	52.386	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	381794	49.985	ug/L	96
19) 1,1-Dichloroethane	3.859	63	229803	45.593	ug/L	96
20) cis-1,2-Dichloroethene	4.657	96	139660	52.121	ug/L	90
22) 2-Butanone	4.689	43	207398	83.758	ug/L	94
23) Bromochloromethane	4.965	128	71802	52.901	ug/L	86
25) Chloroform	5.078	83	241534	49.490	ug/L	97

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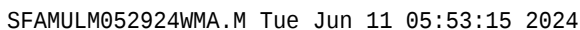
Instrument :
 MSVOA_U
 ClientSampleId :

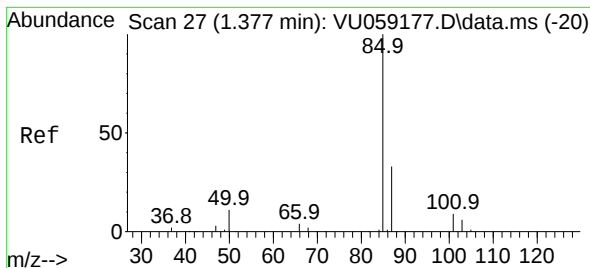
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	183920	44.610	ug/L	99
29) Cyclohexane	5.380	56	199953	49.993	ug/L	95
30) 1,1,1-Trichloroethane	5.306	97	197296	50.651	ug/L	97
31) Carbon tetrachloride	5.515	117	166641	52.669	ug/L	100
33) Benzene	5.766	78	532117	49.189	ug/L	100
34) Trichloroethene	6.534	95	143265	54.087	ug/L	95
35) Methylcyclohexane	6.756	83	218593	56.127	ug/L	92
37) 1,2-Dichloropropane	6.782	63	142447	46.373	ug/L	99
38) Bromodichloromethane	7.097	83	179620	50.199	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	217762	51.236	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	366868	91.099	ug/L #	96
42) Toluene	7.962	91	577796	53.211	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	196960	51.189	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	142018	51.421	ug/L	98
46) Tetrachloroethene	8.547	164	106784	60.523	ug/L	92
48) 2-Hexanone	8.676	43	293094	86.294	ug/L #	96
49) Dibromochloromethane	8.801	129	139857	56.033	ug/L	98
50) 1,2-Dibromoethane	8.917	107	148700	52.194	ug/L	99
51) Chlorobenzene	9.441	112	360439	54.997	ug/L	96
52) Ethylbenzene	9.563	91	616926	55.109	ug/L	97
53) m,p-Xylene	9.688	106	232365	56.478	ug/L	97
54) o-Xylene	10.094	106	226511	56.808	ug/L	95
55) Styrene	10.106	104	396004	58.428	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.772	83	232791	46.270	ug/L	99
59) Bromoform	10.283	173	112640	53.659	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	187380	42.087	ug/L	99
61) Isopropylbenzene	10.476	105	609120	54.079	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	446226	54.679	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	490496	55.444	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	287142	54.545	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	295938	54.433	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	284520	51.710	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	51001	45.185	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.212	180	206818	59.487	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	177845	64.046	ug/L	99
71) Naphthalene	14.081	128	512240	58.279	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	181271	64.210	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 46.645 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

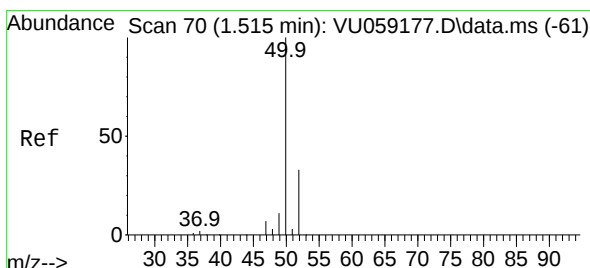
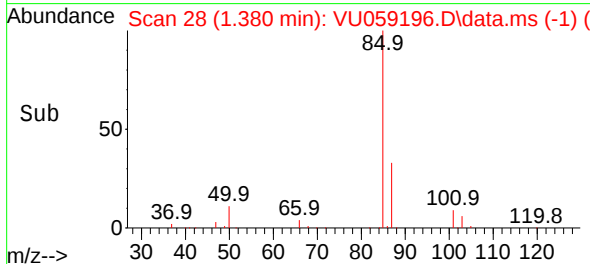
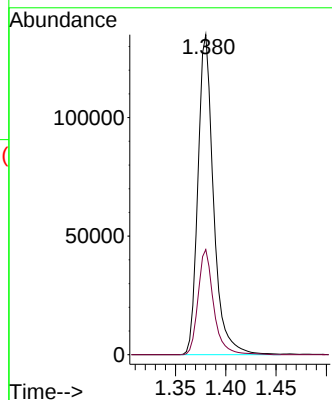
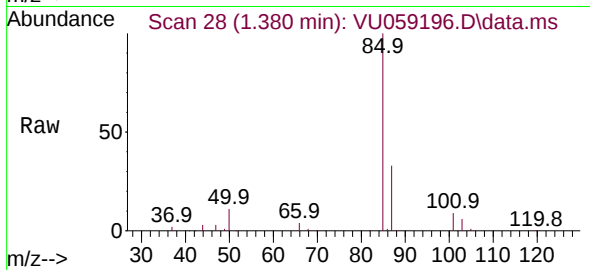
ClientSampleId :

Tgt Ion: 85 Resp: 145721

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



#3

Chloromethane

Concen: 40.284 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU059196.D

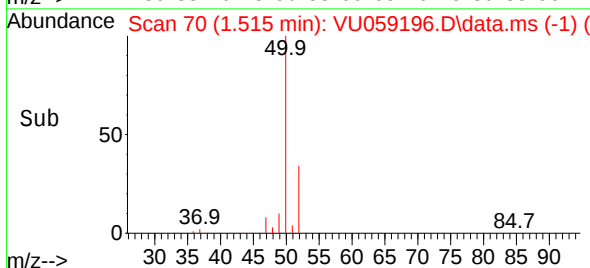
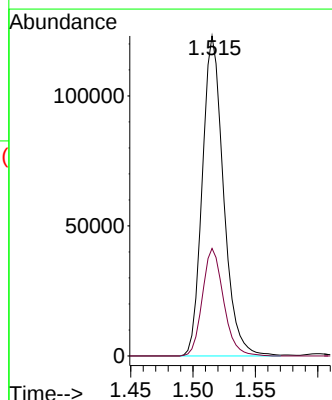
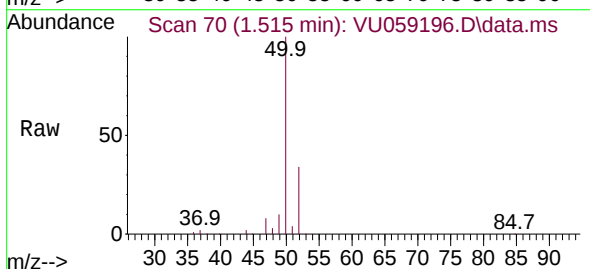
Acq: 10 Jun 2024 09:36

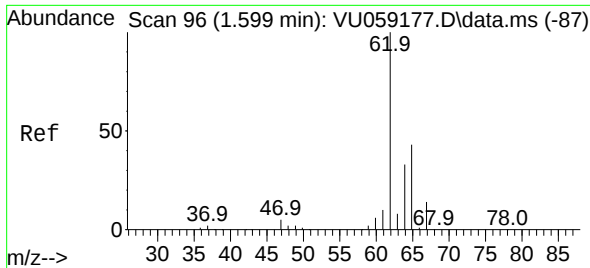
Tgt Ion: 50 Resp: 145446

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.2

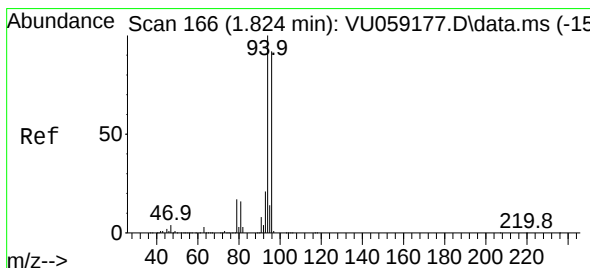
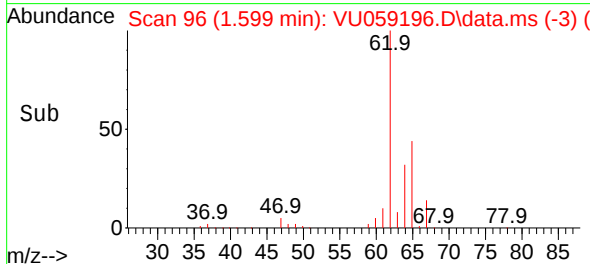
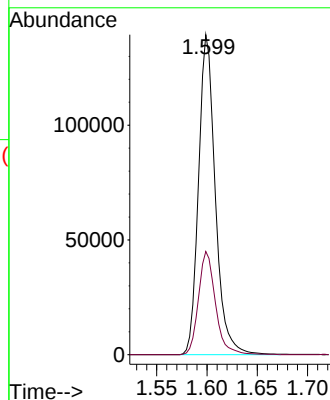
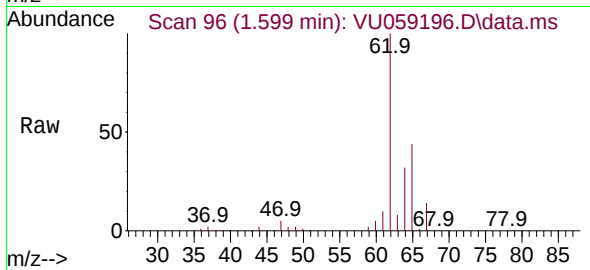




#5
Vinyl chloride
Concen: 45.636 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

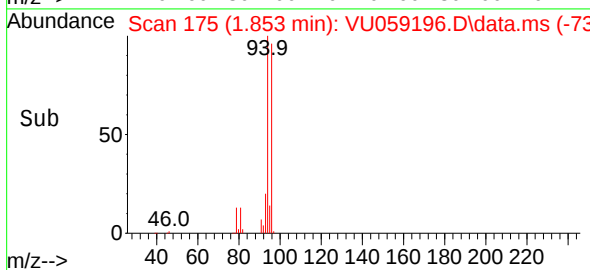
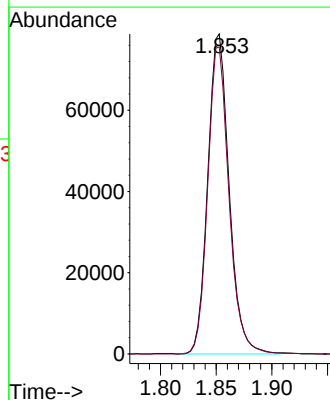
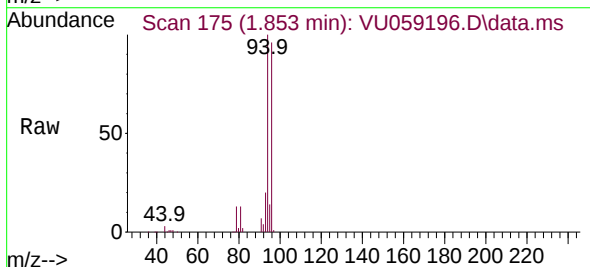
Instrument :
MSVOA_U
ClientSampleId :

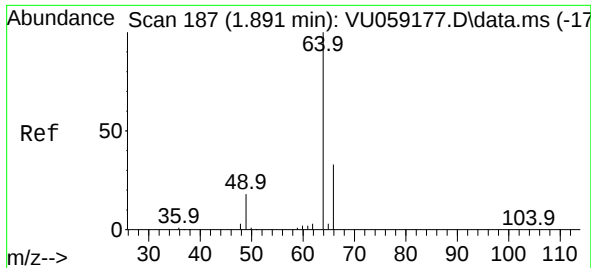
Tgt Ion: 62 Resp: 161907
Ion Ratio Lower Upper
62 100
64 32.2 22.5 41.7



#6
Bromomethane
Concen: 37.157 ug/L
RT: 1.853 min Scan# 175
Delta R.T. 0.029 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 94 Resp: 105464
Ion Ratio Lower Upper
94 100
96 96.0 67.1 124.7

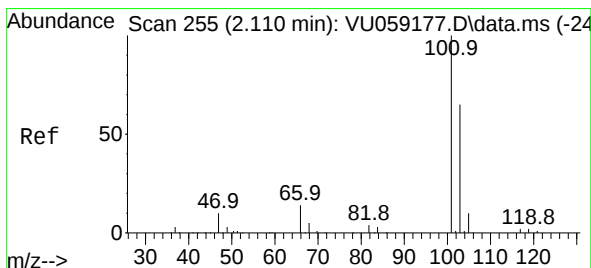
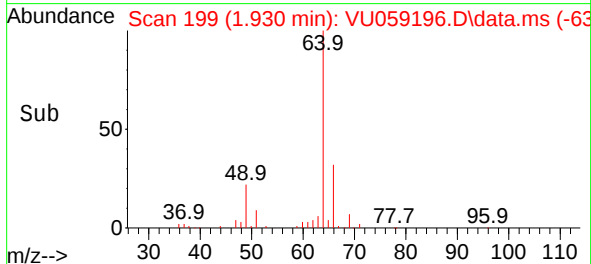
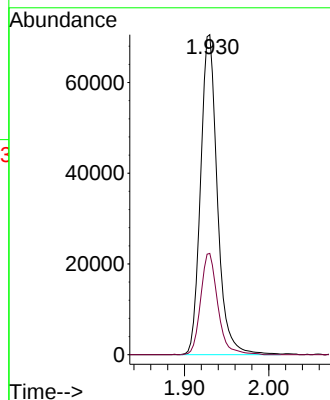
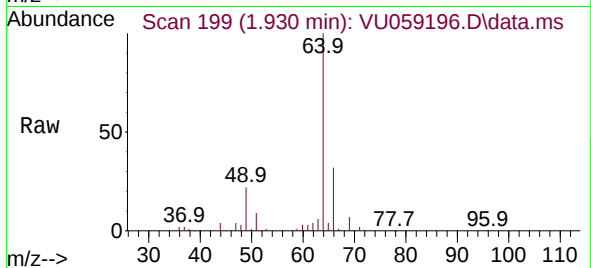




#8
Chloroethane
Concen: 44.288 ug/L
RT: 1.930 min Scan# 11
Delta R.T. 0.039 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

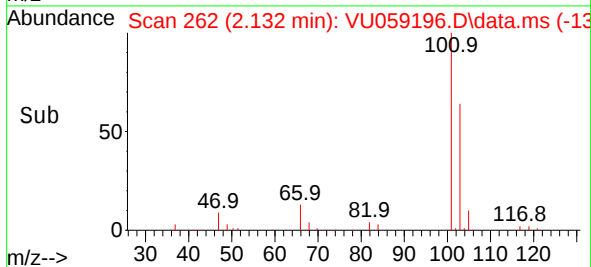
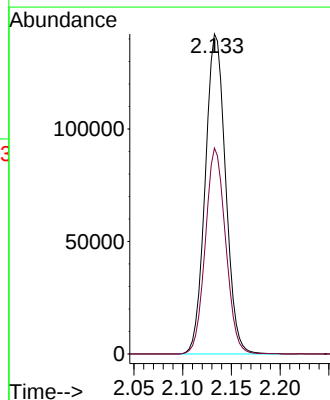
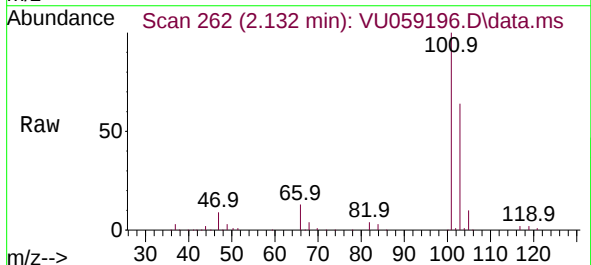
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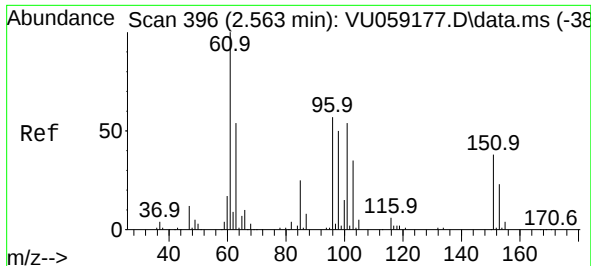
Tgt Ion: 64 Resp: 97982
Ion Ratio Lower Upper
64 100
66 31.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.999 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.023 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion:101 Resp: 206418
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 53.609 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.010 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

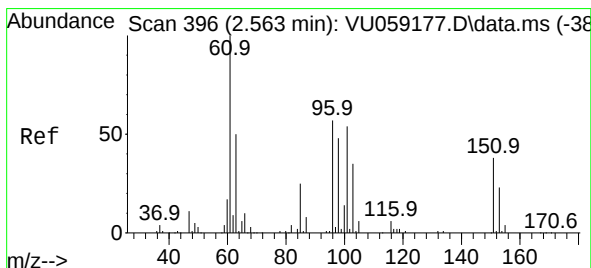
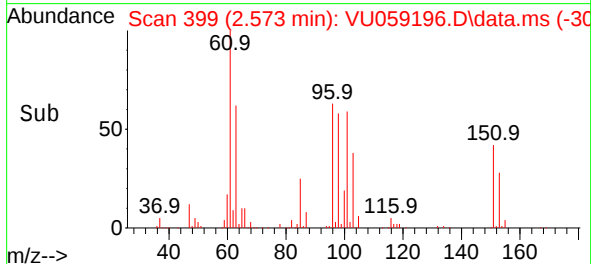
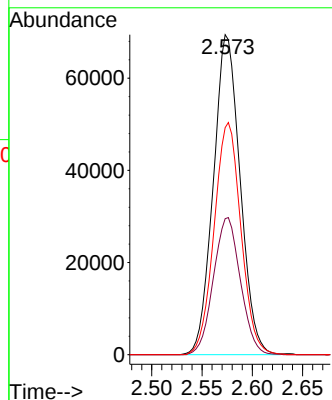
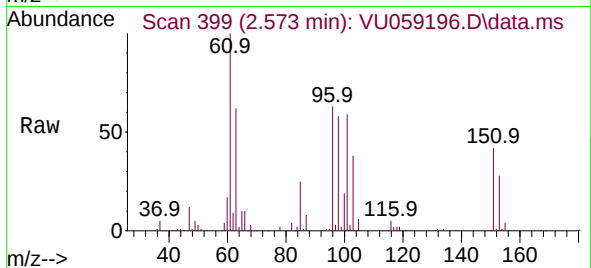
Tgt Ion:101 Resp: 128769

Ion Ratio Lower Upper

101 100

85 43.1 36.7 55.1

151 72.6 52.2 78.2



#12

1,1-Dichloroethene

Concen: 54.654 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.010 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

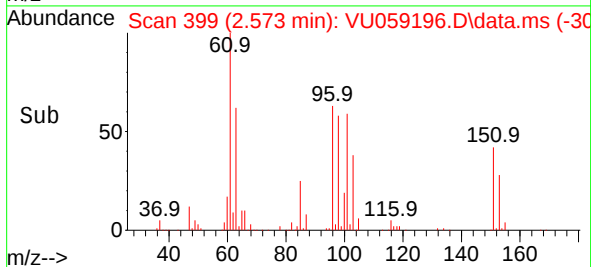
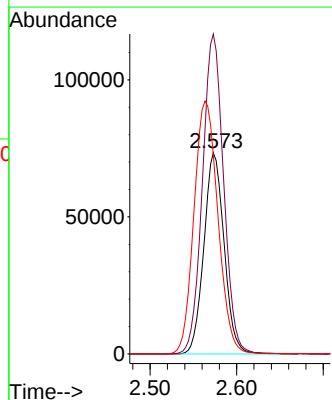
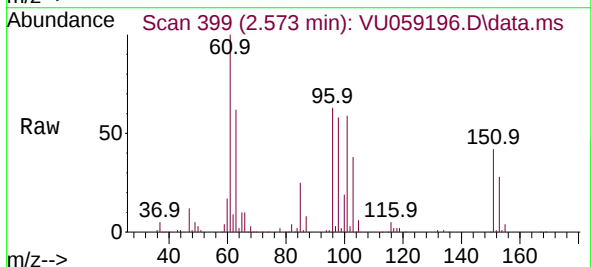
Tgt Ion: 96 Resp: 119071

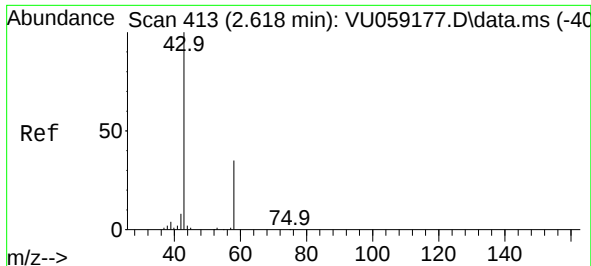
Ion Ratio Lower Upper

96 100

61 159.0 126.3 234.6

63 98.9 78.7 146.1





#13

Acetone

Concen: 84.461 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

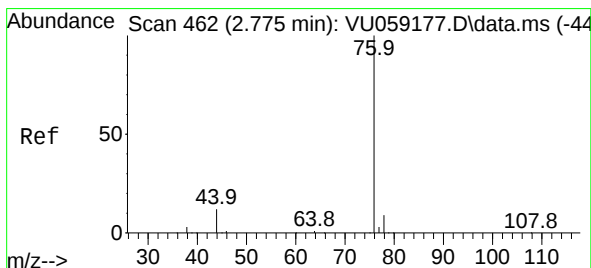
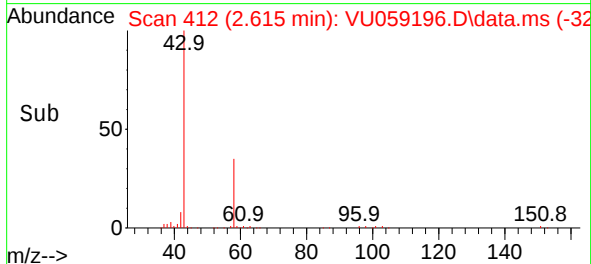
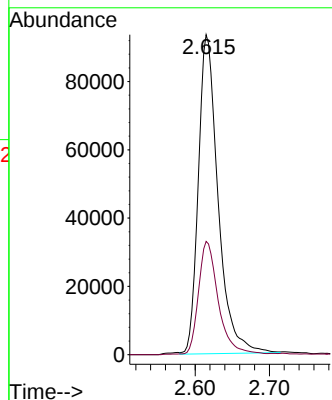
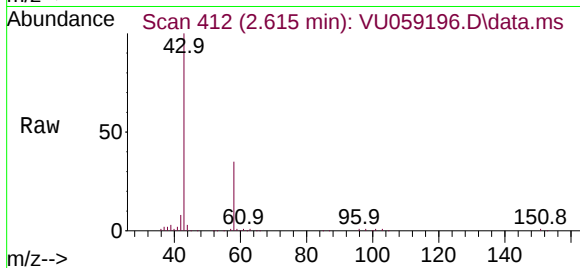
ClientSampleId :

Tgt Ion: 43 Resp: 172746

Ion Ratio Lower Upper

43 100

58 35.9 0.0 68.8



#14

Carbon disulfide

Concen: 49.849 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.013 min

Lab File: VU059196.D

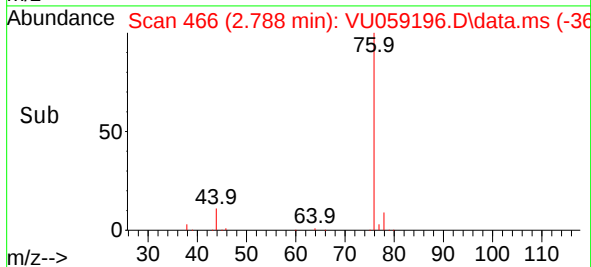
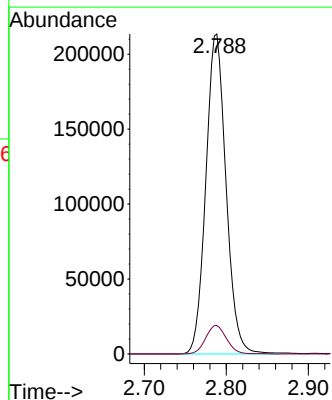
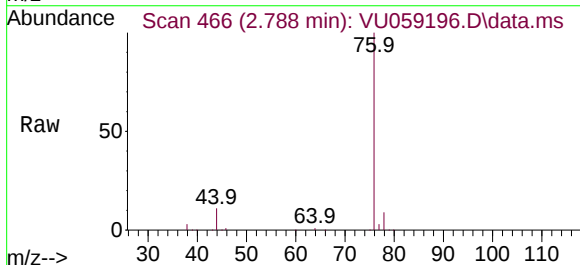
Acq: 10 Jun 2024 09:36

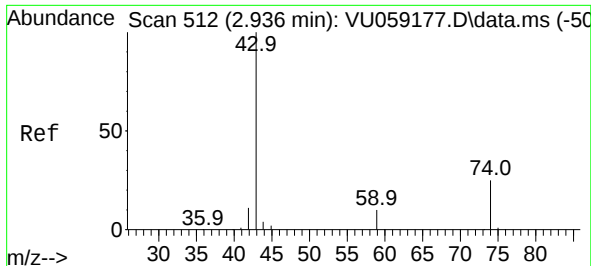
Tgt Ion: 76 Resp: 365757

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 41.873 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

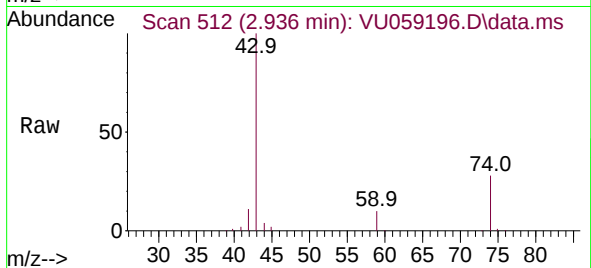
Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

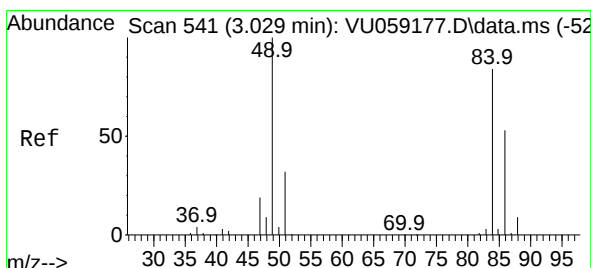
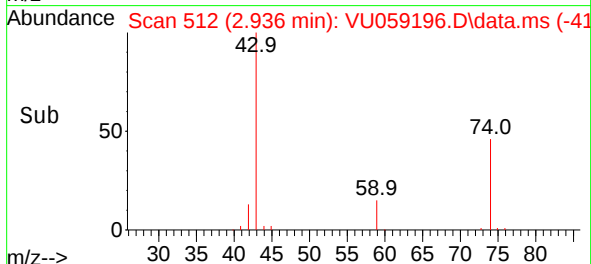
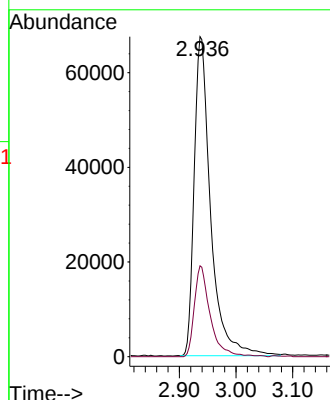


Tgt Ion: 43 Resp: 135656

Ion Ratio Lower Upper

43 100

74 27.1 20.8 31.2



#16

Methylene chloride

Concen: 46.357 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.007 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

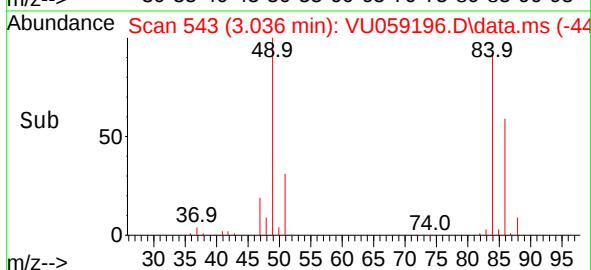
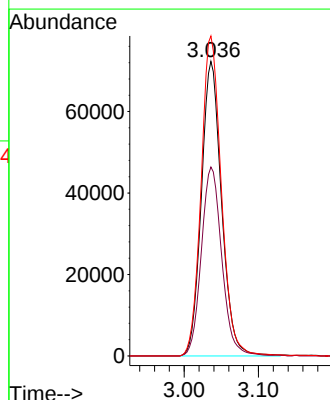
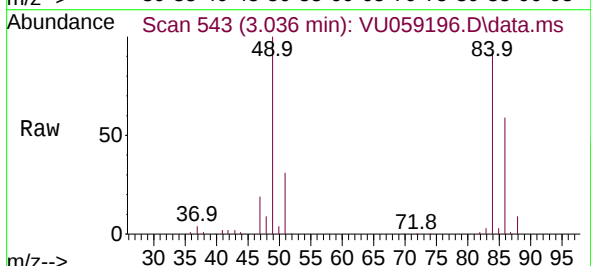
Tgt Ion: 84 Resp: 136653

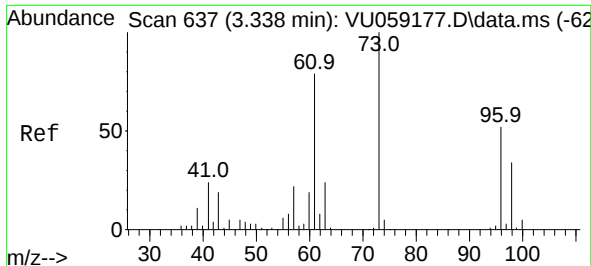
Ion Ratio Lower Upper

84 100

86 64.2 44.9 83.3

49 108.7 87.5 162.5

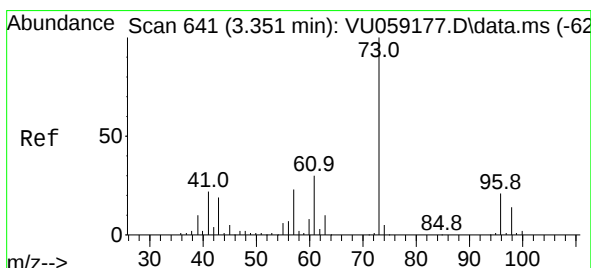
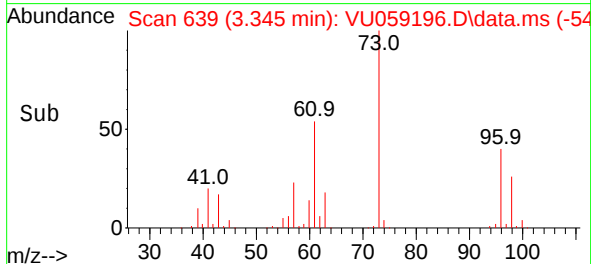
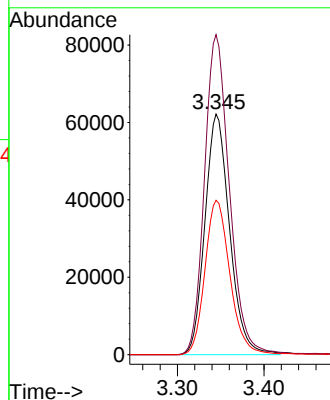
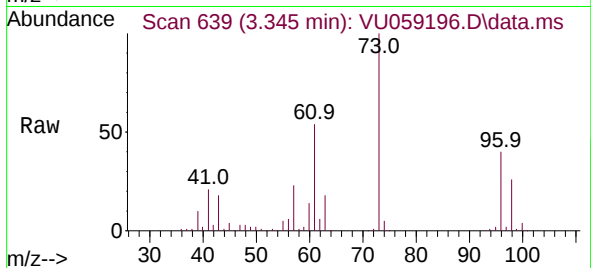




#17
trans-1,2-Dichloroethene
Concen: 52.386 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

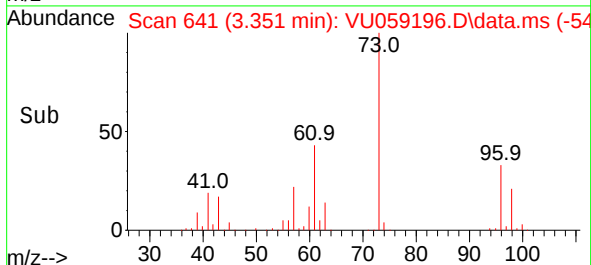
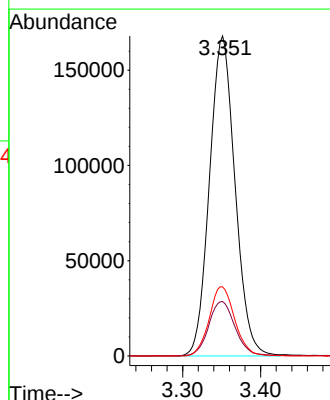
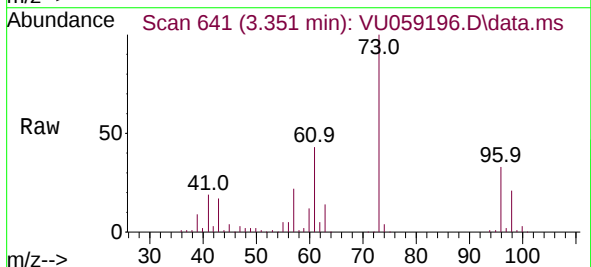
Instrument :
MSVOA_U
ClientSampleId :

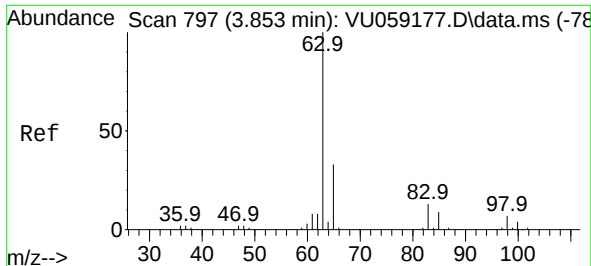
Tgt Ion: 96 Resp: 123183
Ion Ratio Lower Upper
96 100
61 132.9 103.5 192.3
98 64.2 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 49.985 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 73 Resp: 381794
Ion Ratio Lower Upper
73 100
43 17.5 15.6 23.4
57 21.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 45.593 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.007 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

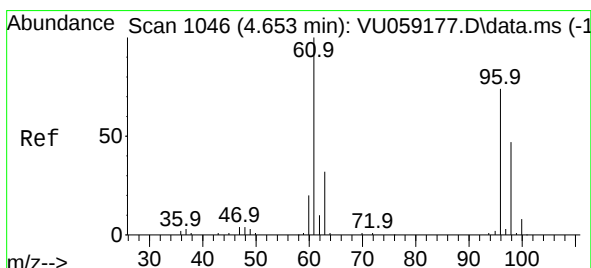
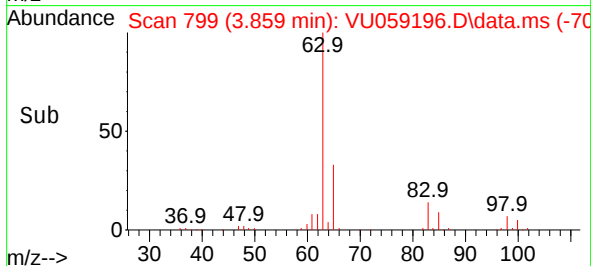
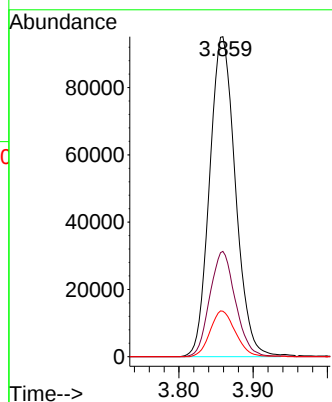
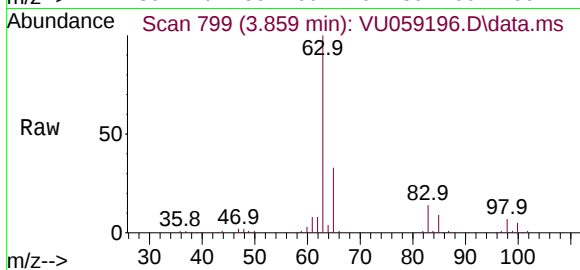
Tgt Ion: 63 Resp: 229803

Ion Ratio Lower Upper

63 100

65 32.9 21.3 39.5

83 14.2 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 52.121 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

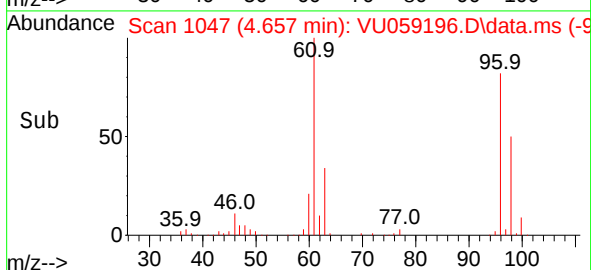
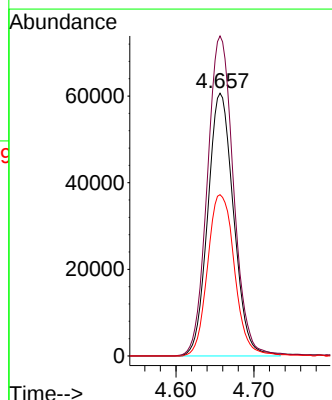
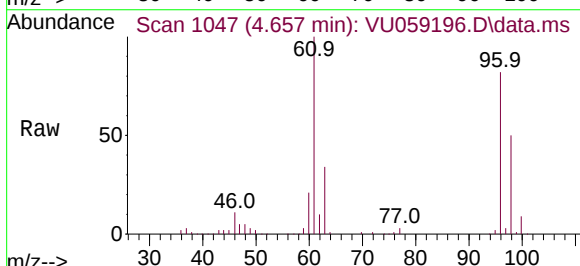
Tgt Ion: 96 Resp: 139660

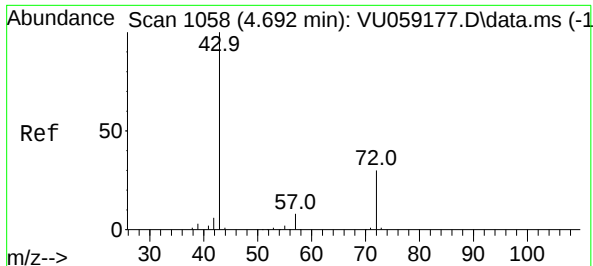
Ion Ratio Lower Upper

96 100

61 121.8 96.2 178.6

98 61.4 45.6 84.6

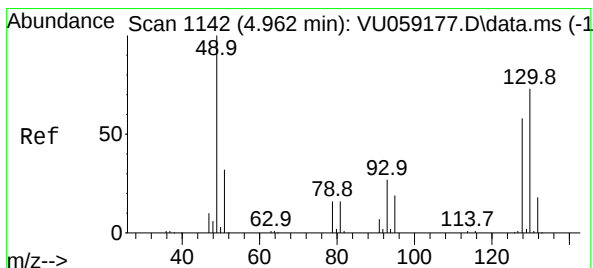
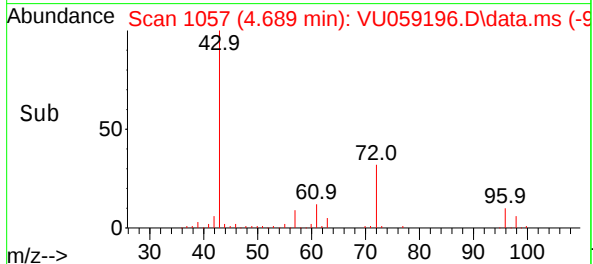
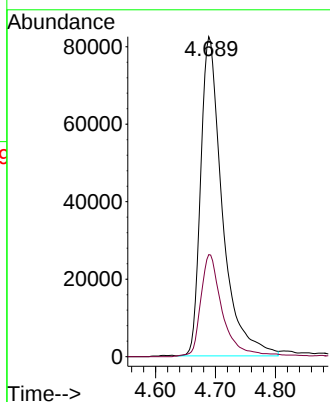
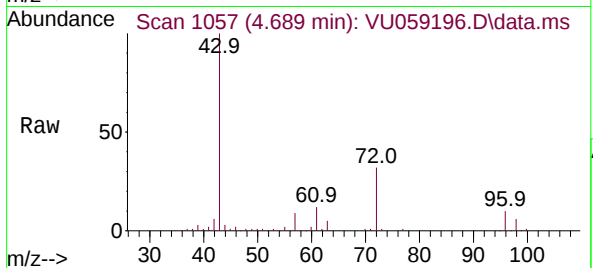




#22
2-Butanone
Concen: 83.758 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

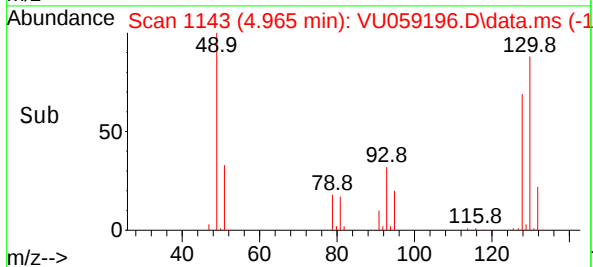
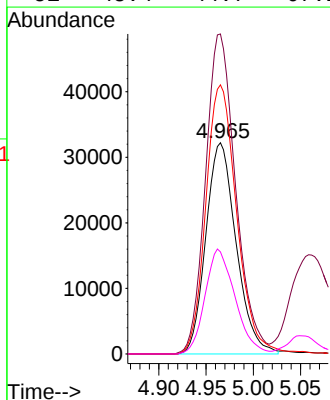
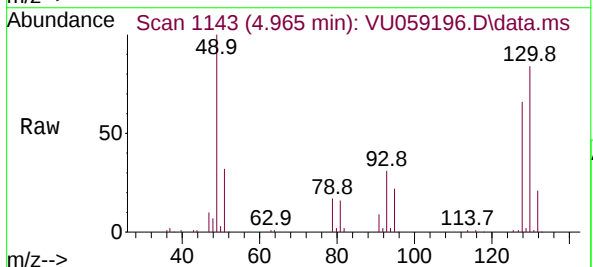
Instrument :
MSVOA_U
ClientSampleId :

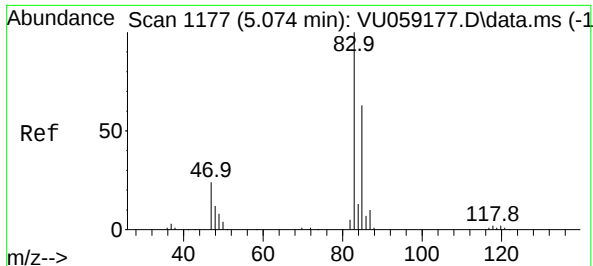
Tgt Ion: 43 Resp: 207398
Ion Ratio Lower Upper
43 100
72 31.9 14.2 42.8



#23
Bromochloromethane
Concen: 52.901 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion:128 Resp: 71802
Ion Ratio Lower Upper
128 100
49 151.5 128.4 238.4
130 127.4 86.9 161.3
51 48.4 44.7 67.1





#25

Chloroform

Concen: 49.490 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

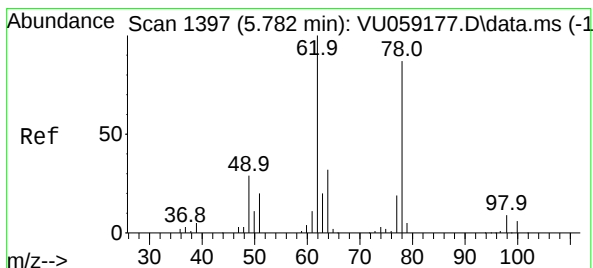
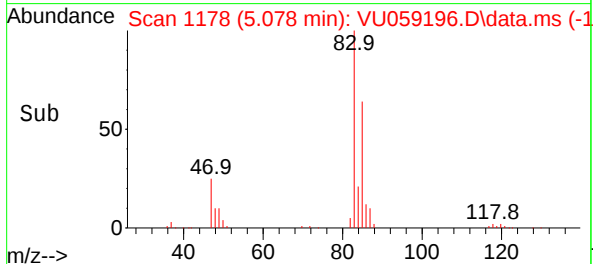
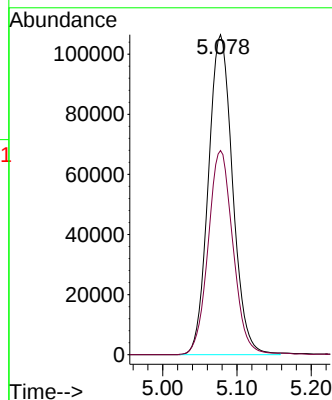
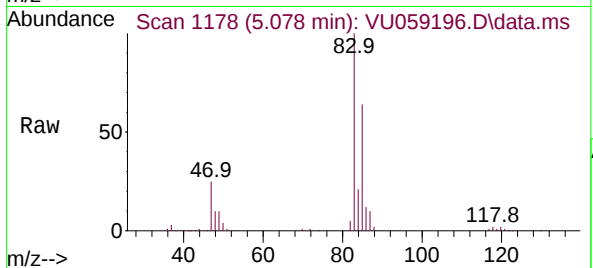
ClientSampleId :

Tgt Ion: 83 Resp: 241534

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 44.610 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU059196.D

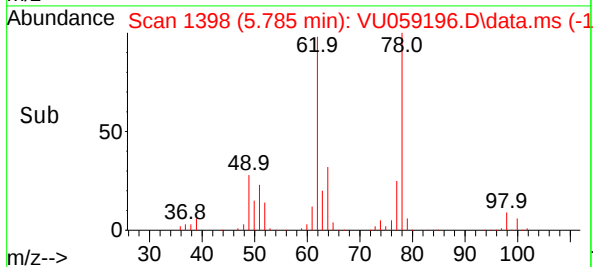
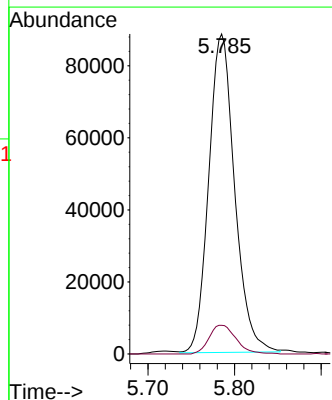
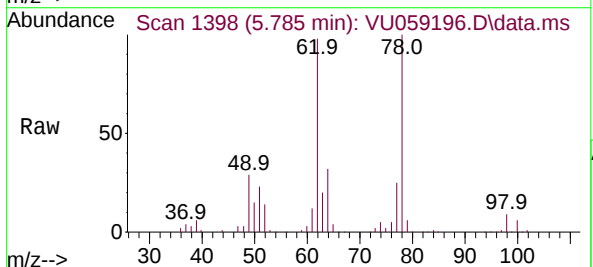
Acq: 10 Jun 2024 09:36

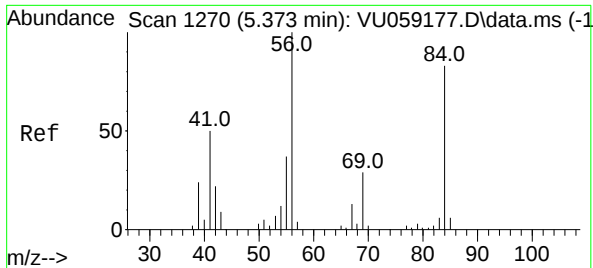
Tgt Ion: 62 Resp: 183920

Ion Ratio Lower Upper

62 100

98 9.0 6.9 10.3

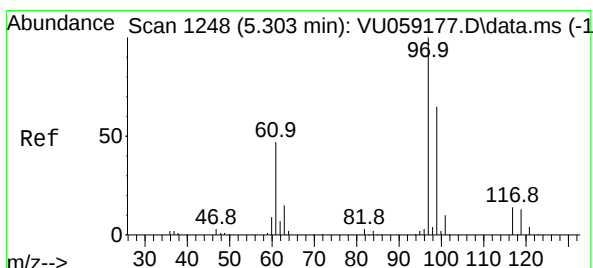
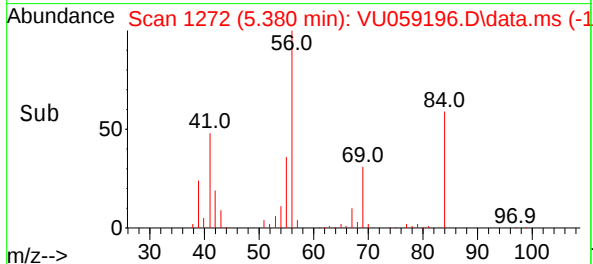
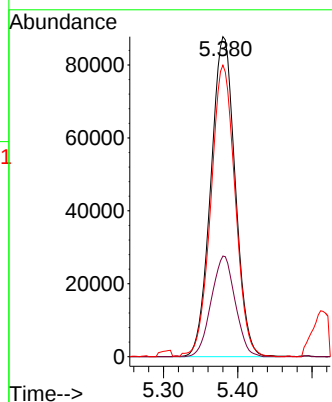
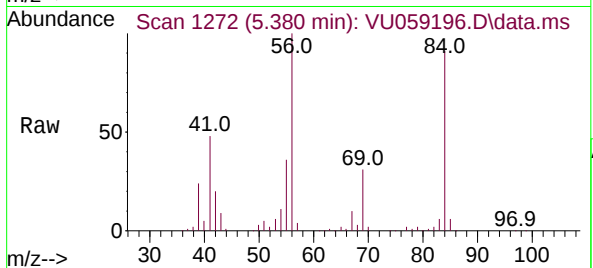




#29
Cyclohexane
Concen: 49.993 ug/L
RT: 5.380 min Scan# 1270
Delta R.T. 0.007 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

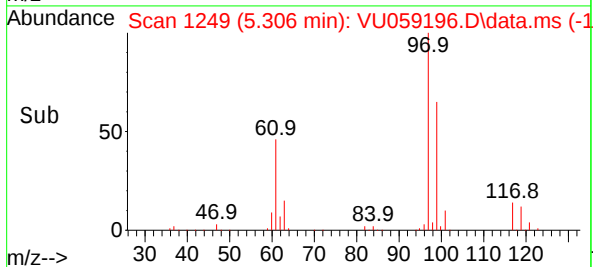
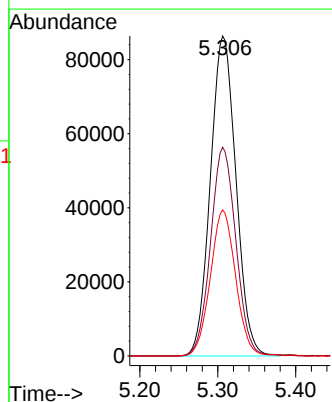
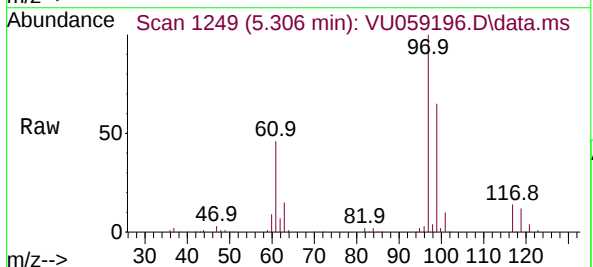
Instrument :
MSVOA_U
ClientSampleId :

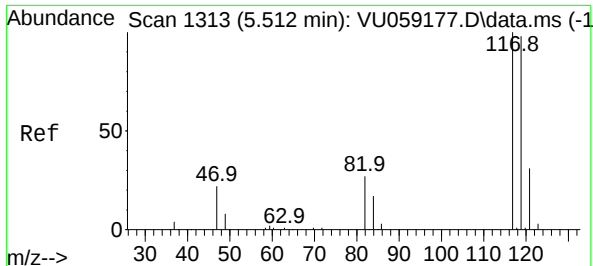
Tgt Ion: 56 Resp: 199953
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 90.5 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 50.651 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 97 Resp: 197296
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 45.0 39.1 58.7

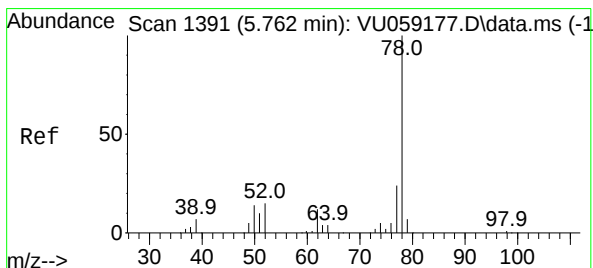
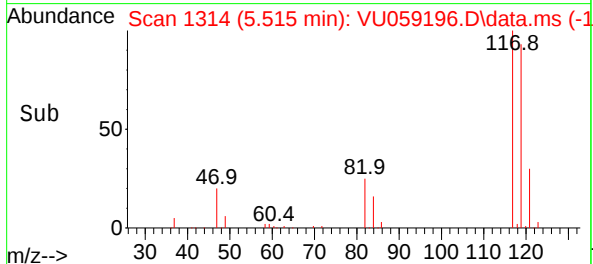
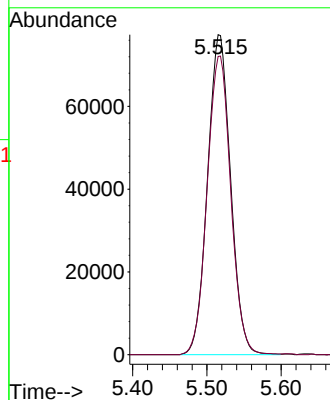
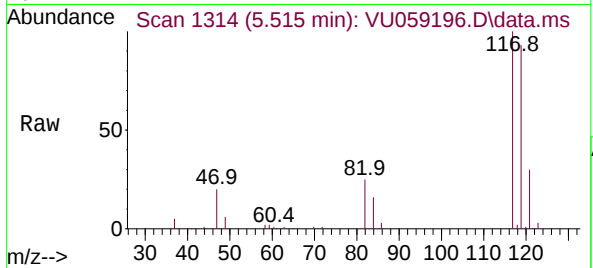




#31
Carbon tetrachloride
Concen: 52.669 ug/L
RT: 5.515 min Scan# 1313
Delta R.T. 0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

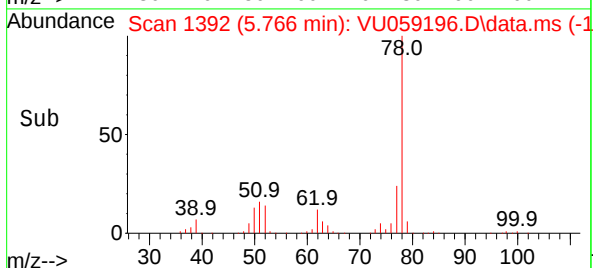
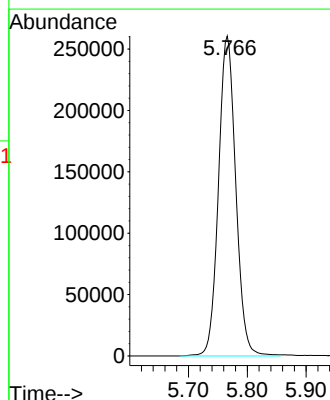
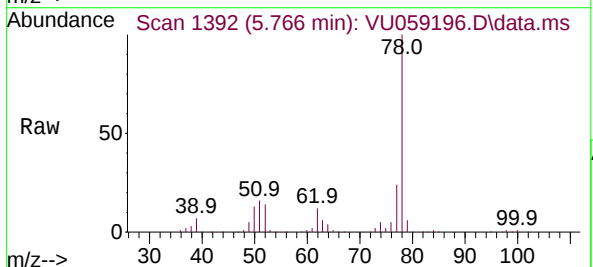
Instrument :
MSVOA_U
ClientSampleId :

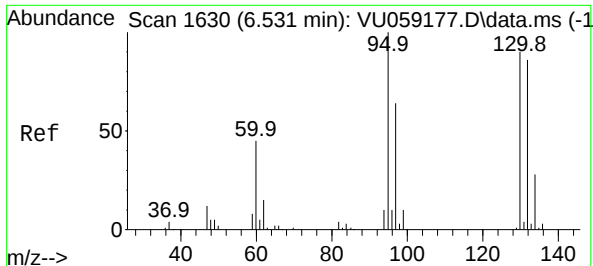
Tgt Ion:117 Resp: 166641
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 49.189 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 78 Resp: 532117





#34

Trichloroethene

Concen: 54.087 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 143265

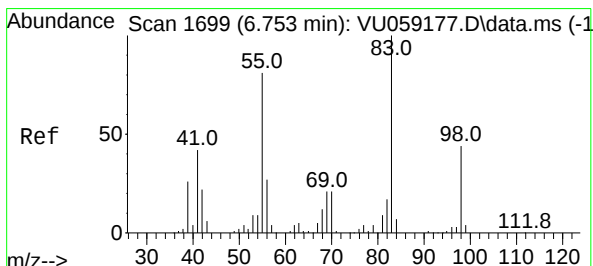
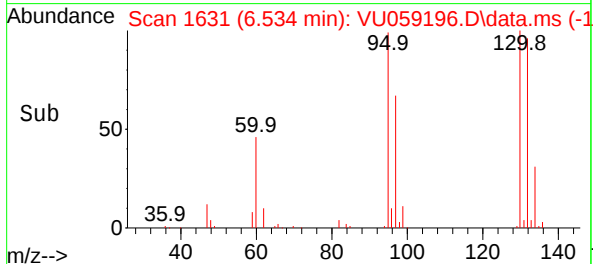
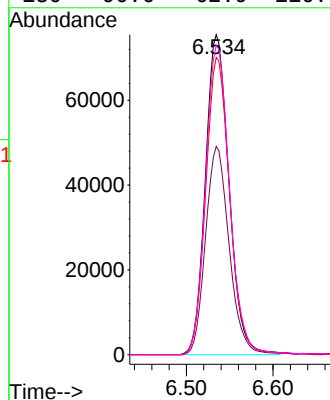
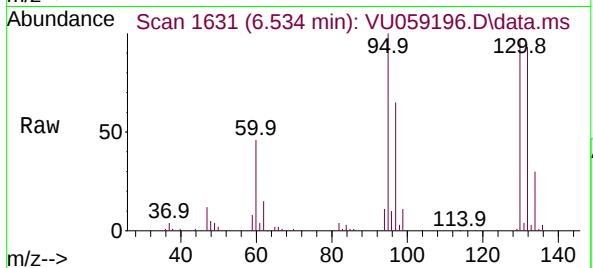
Ion Ratio Lower Upper

95 100

97 65.1 45.2 84.0

132 92.9 60.6 112.6

130 96.6 62.9 116.7



#35

Methylcyclohexane

Concen: 56.127 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

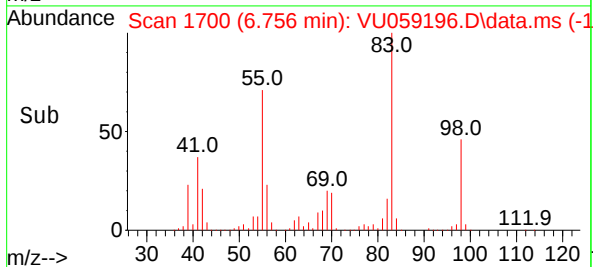
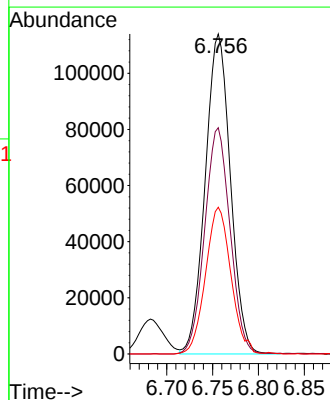
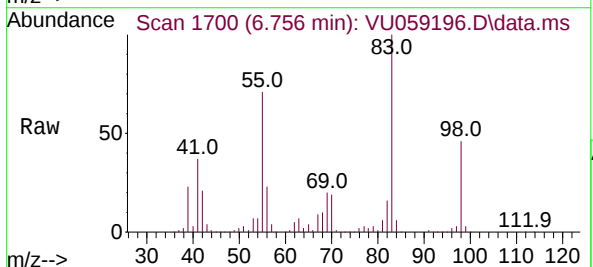
Tgt Ion: 83 Resp: 218593

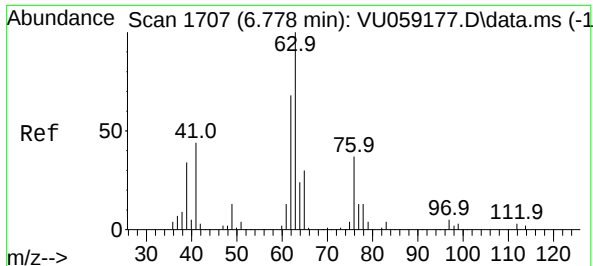
Ion Ratio Lower Upper

83 100

55 71.0 63.9 95.9

98 46.1 34.7 52.1

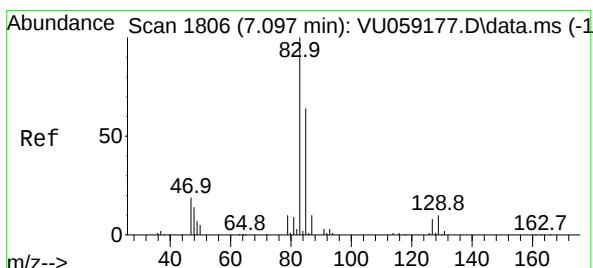
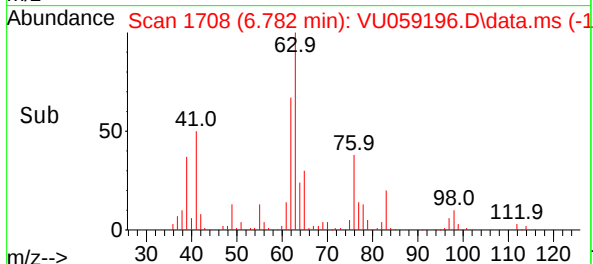
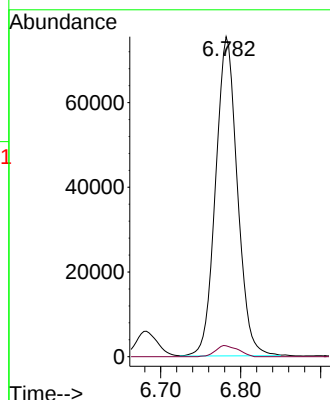
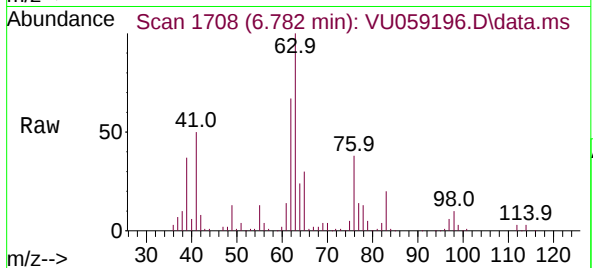




#37
1,2-Dichloropropane
Concen: 46.373 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

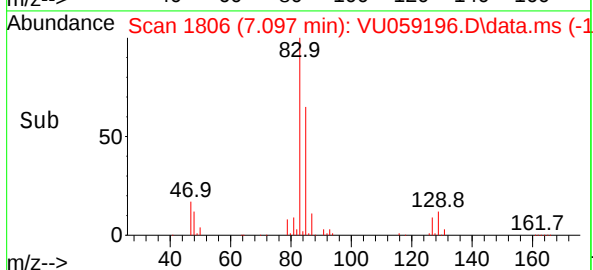
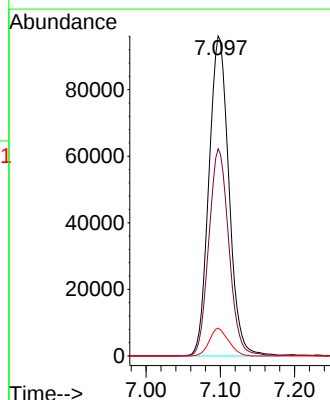
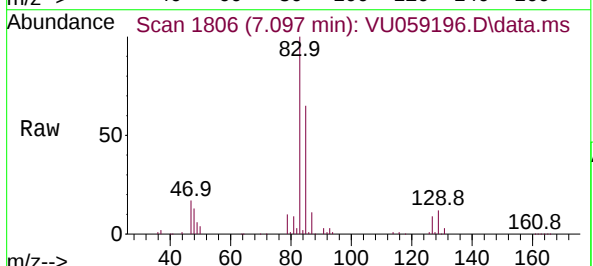
Instrument :
MSVOA_U
ClientSampleId :

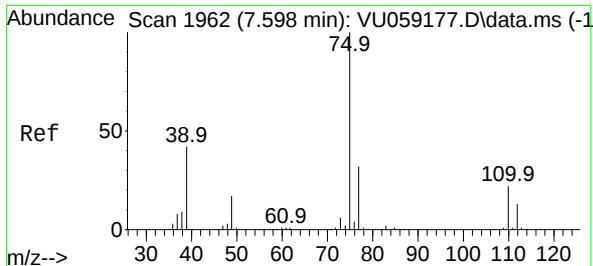
Tgt Ion: 63 Resp: 142447
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0



#38
Bromodichloromethane
Concen: 50.199 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 83 Resp: 179620
Ion Ratio Lower Upper
83 100
85 64.7 44.0 81.6
127 9.5 7.0 10.6

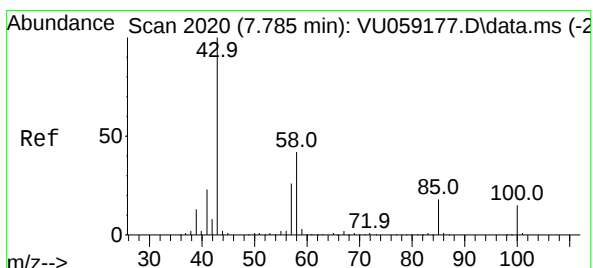
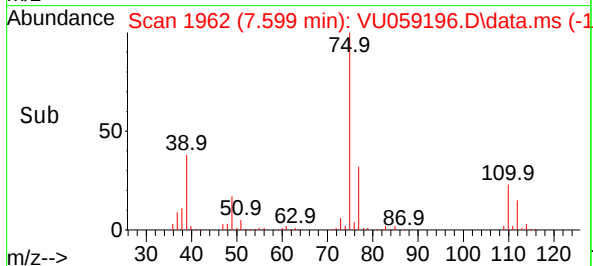
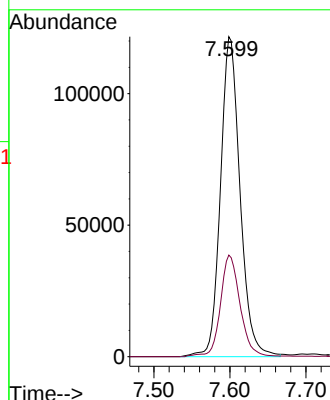
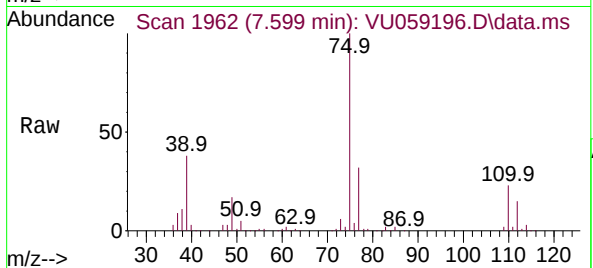




#39
 cis-1,3-Dichloropropene
 Concen: 51.236 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059196.D
 Acq: 10 Jun 2024 09:36

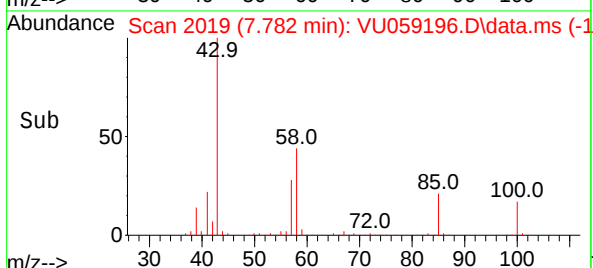
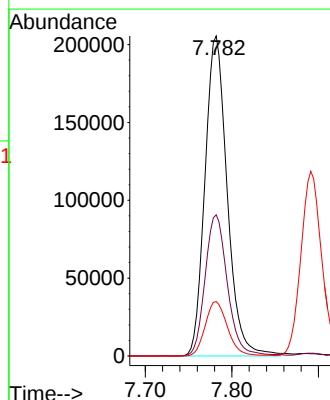
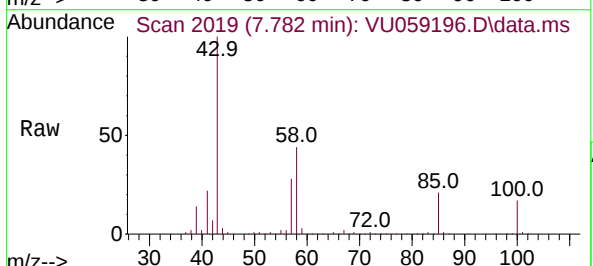
Instrument :
 MSVOA_U
 ClientSampleId :

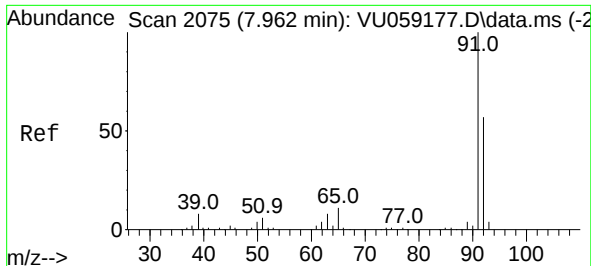
Tgt Ion: 75 Resp: 217762
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 91.099 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU059196.D
 Acq: 10 Jun 2024 09:36

Tgt Ion: 43 Resp: 366868
 Ion Ratio Lower Upper
 43 100
 58 44.2 33.7 50.5
 100 17.1 11.4 17.0#





#42

Toluene

Concen: 53.211 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

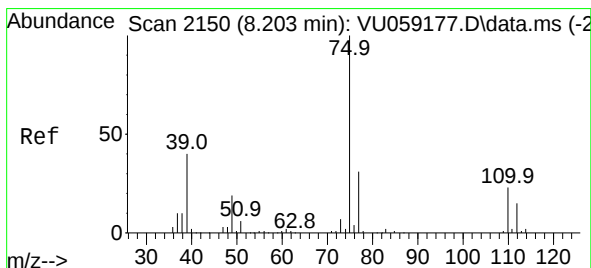
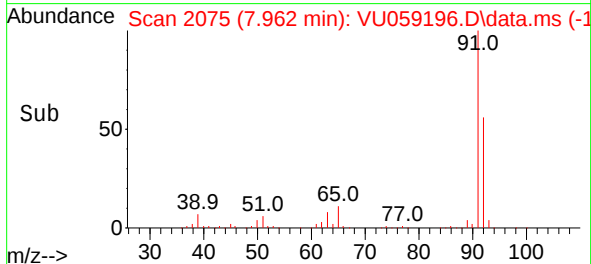
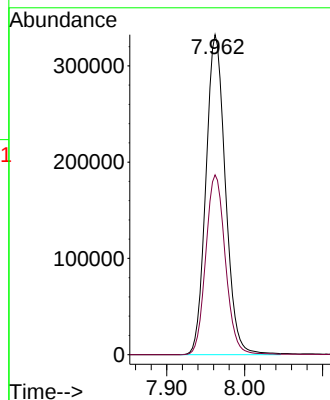
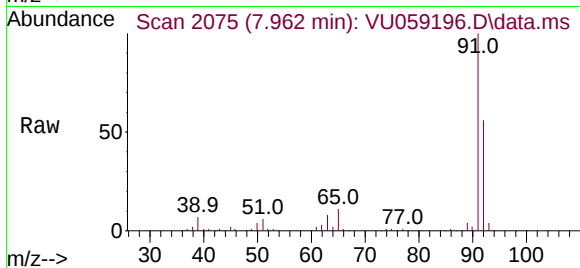
ClientSampleId :

Tgt Ion: 91 Resp: 577796

Ion Ratio Lower Upper

91 100

92 56.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 51.189 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059196.D

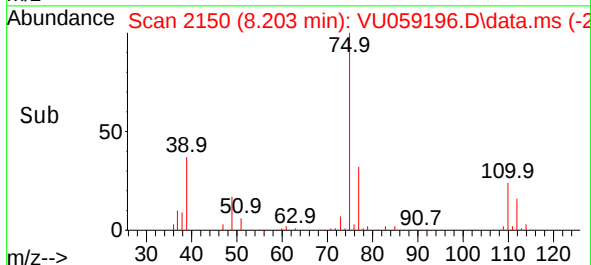
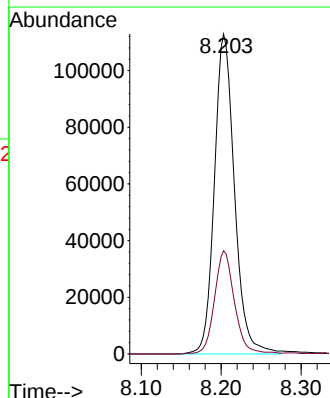
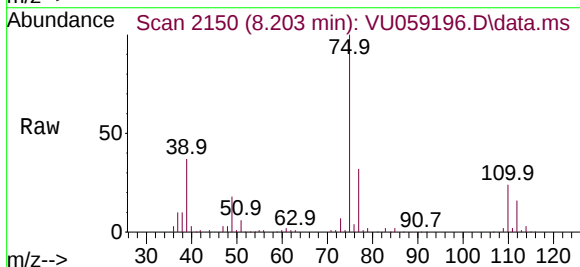
Acq: 10 Jun 2024 09:36

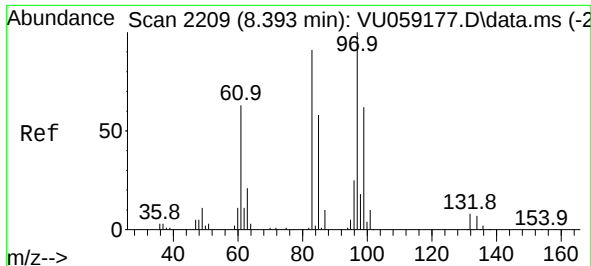
Tgt Ion: 75 Resp: 196960

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8

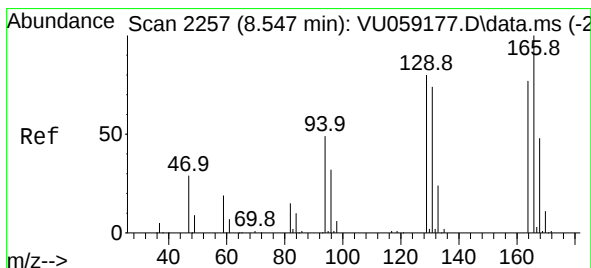
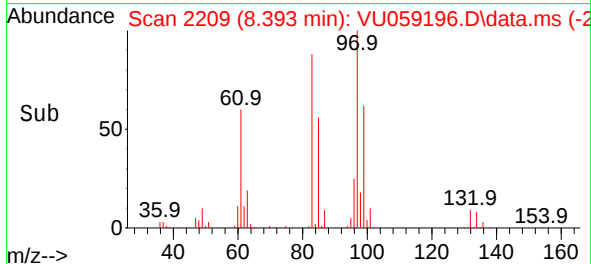
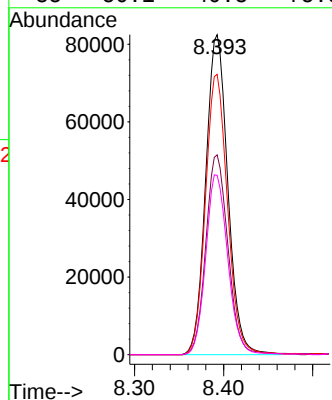
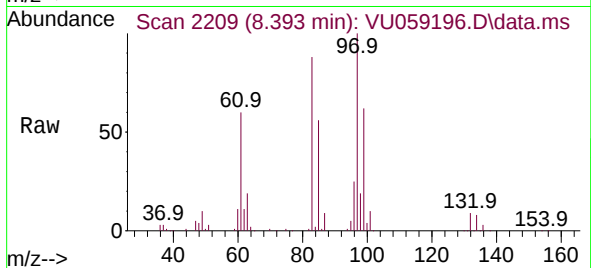




#45
1,1,2-Trichloroethane
Concen: 51.421 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

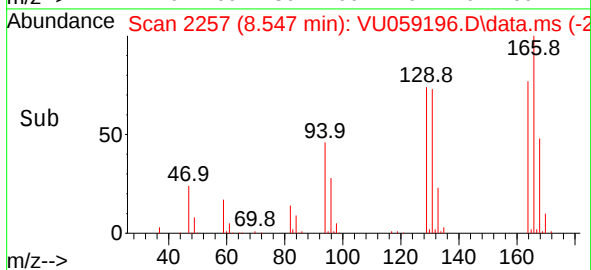
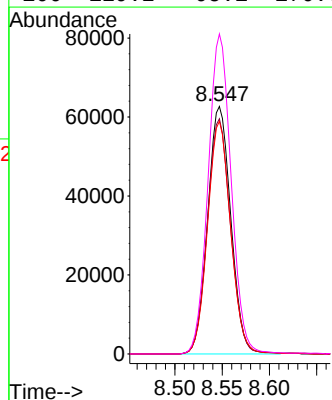
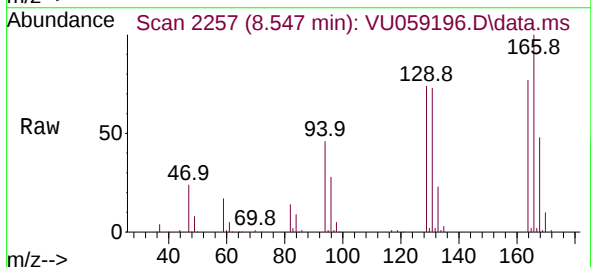
Instrument :
MSVOA_U
ClientSampleId :

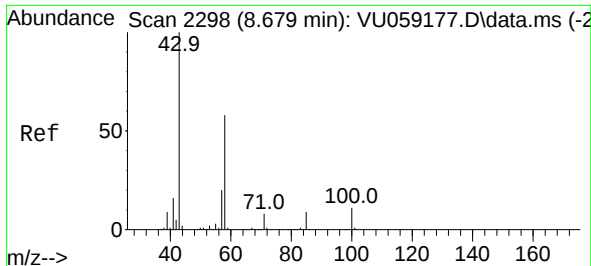
Tgt Ion:	97	Resp:	142018
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.6
83	87.6	63.6	118.2
85	56.1	40.8	75.8



#46
Tetrachloroethene
Concen: 60.523 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion:	164	Resp:	106784
Ion	Ratio	Lower	Upper
164	100		
129	95.0	74.5	138.5
131	94.0	70.6	131.0
166	129.2	95.1	176.7





#48

2-Hexanone

Concen: 86.294 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

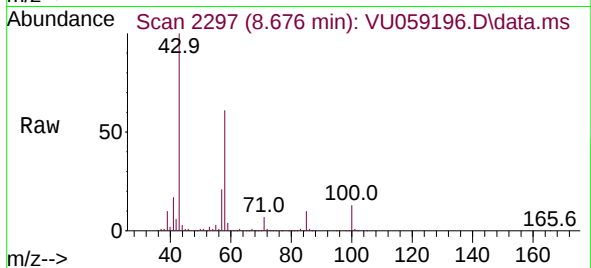
Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 293094

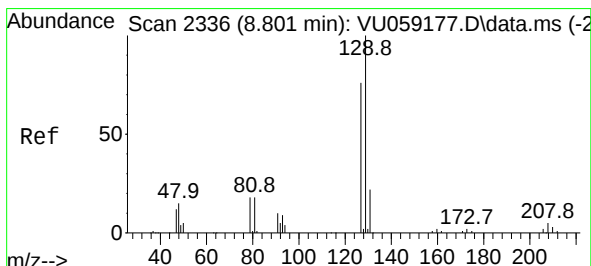
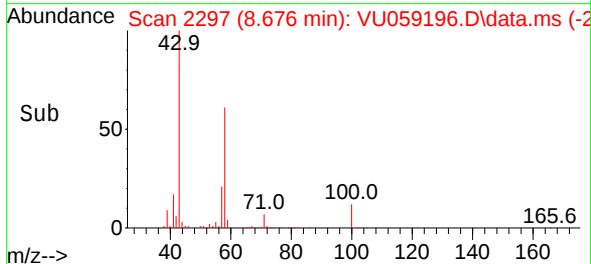
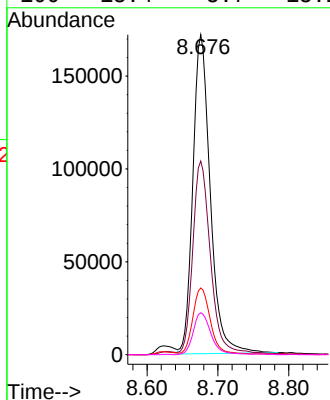
Ion Ratio Lower Upper

43 100

58 60.3 45.9 68.9

57 20.9 16.3 24.5

100 13.4 8.7 13.1#



#49

Dibromochloromethane

Concen: 56.033 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU059196.D

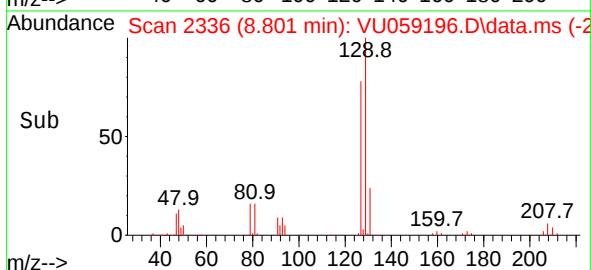
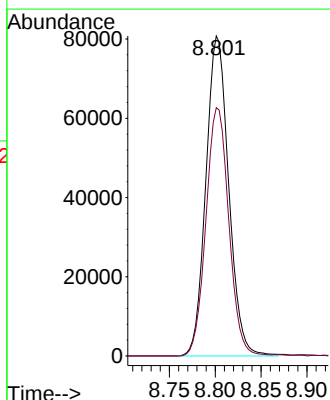
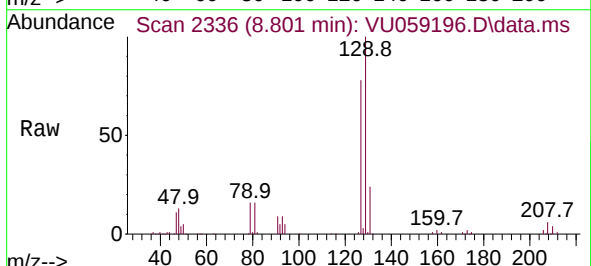
Acq: 10 Jun 2024 09:36

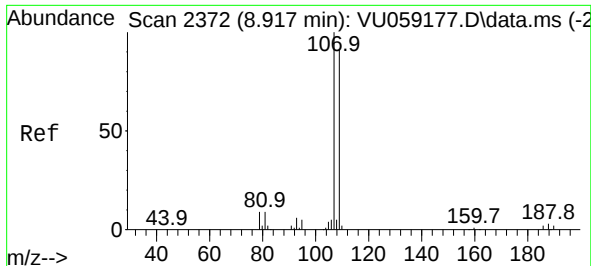
Tgt Ion:129 Resp: 139857

Ion Ratio Lower Upper

129 100

127 77.6 53.3 98.9

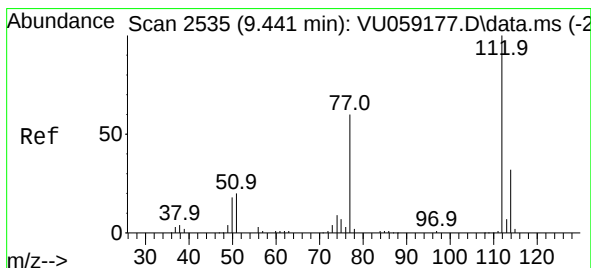
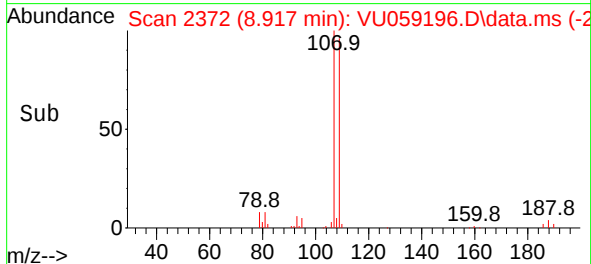
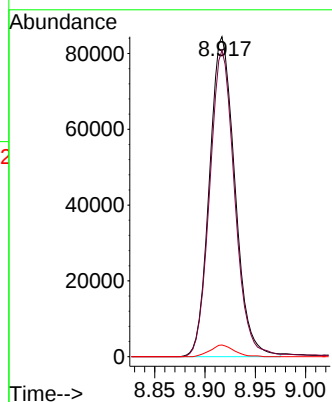
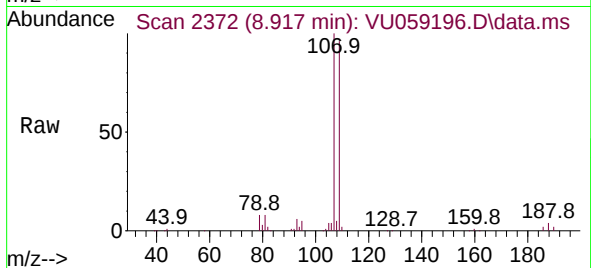




#50
1,2-Dibromoethane
Concen: 52.194 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

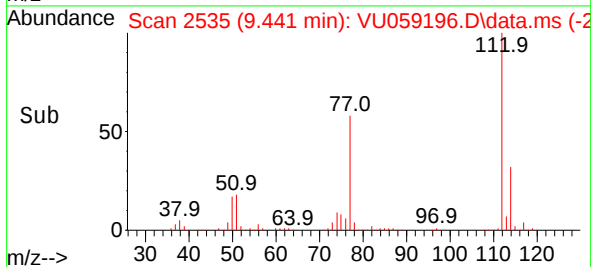
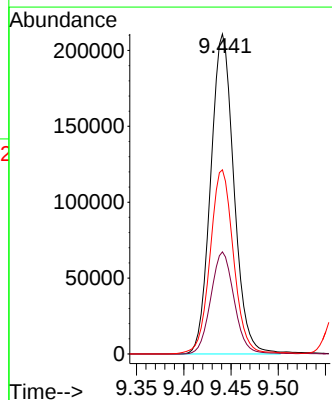
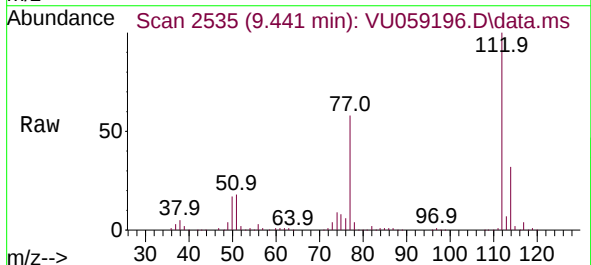
Instrument :
MSVOA_U
ClientSampleId :

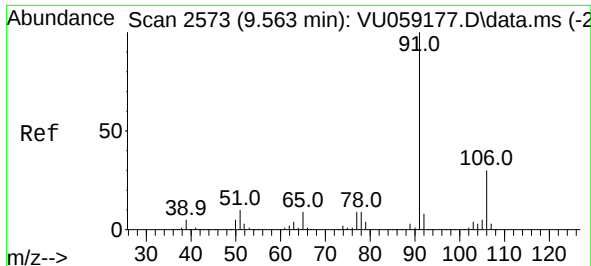
Tgt Ion:107 Resp: 148700
Ion Ratio Lower Upper
107 100
109 95.7 67.8 125.8
188 3.6 2.5 3.7



#51
Chlorobenzene
Concen: 54.997 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion:112 Resp: 360439
Ion Ratio Lower Upper
112 100
114 31.9 22.1 41.1
77 57.6 49.8 74.6

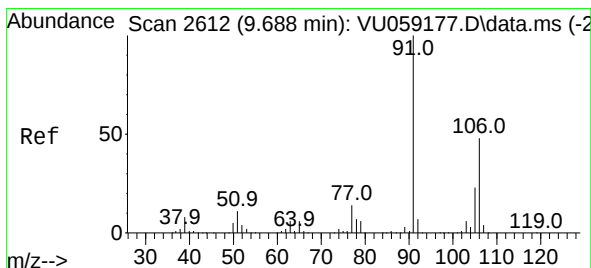
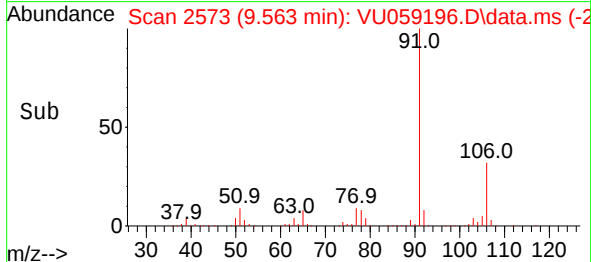
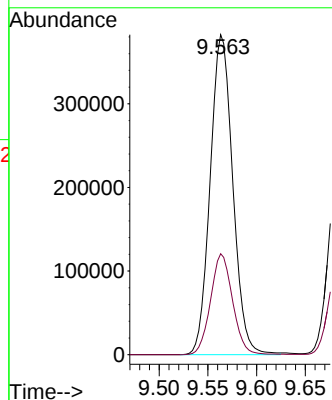
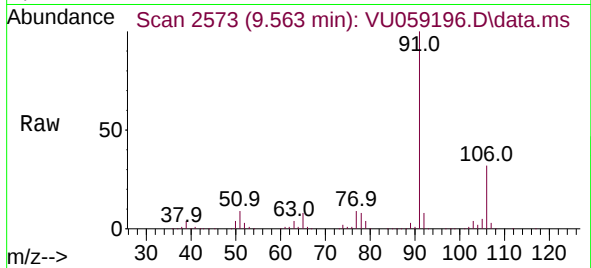




#52
Ethylbenzene
Concen: 55.109 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

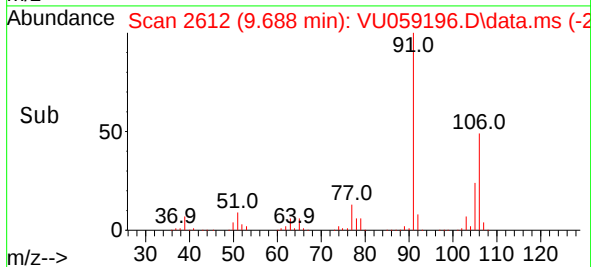
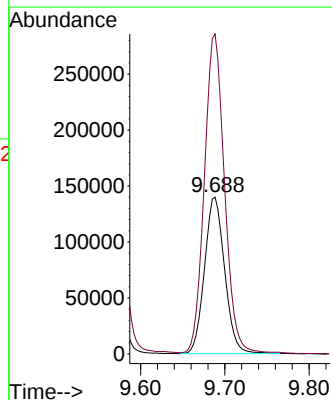
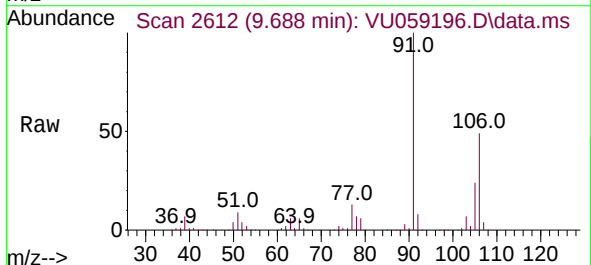
Instrument :
MSVOA_U
ClientSampleId :

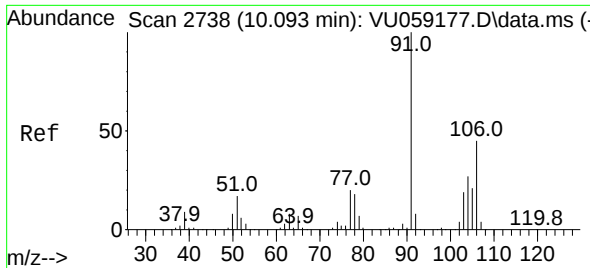
Tgt Ion: 91 Resp: 616926
Ion Ratio Lower Upper
91 100
106 31.5 21.0 39.0



#53
m,p-Xylene
Concen: 56.478 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion: 106 Resp: 232365
Ion Ratio Lower Upper
106 100
91 204.1 146.4 272.0

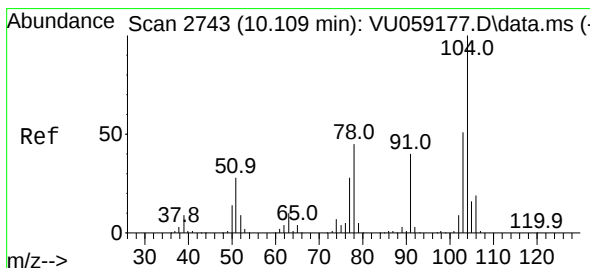
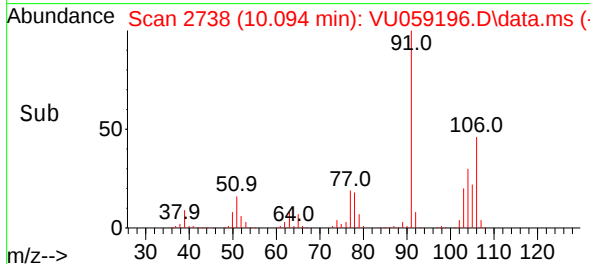
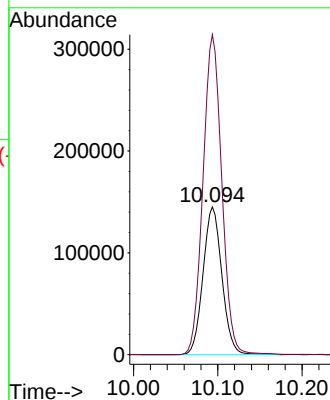
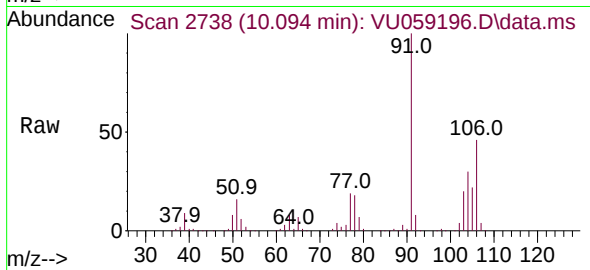




#54
o-Xylene
Concen: 56.808 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

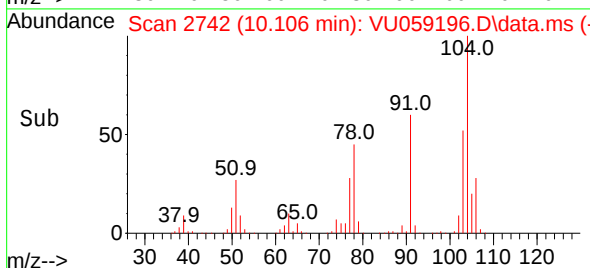
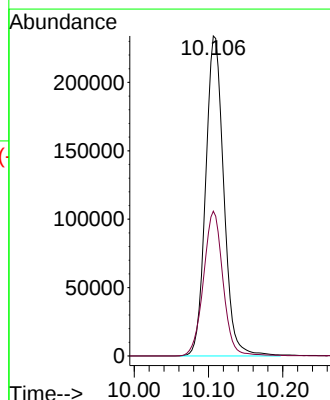
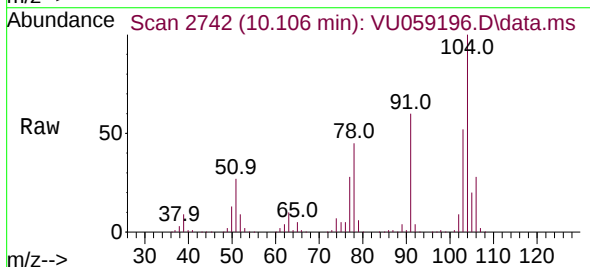
Instrument :
MSVOA_U
ClientSampleId :

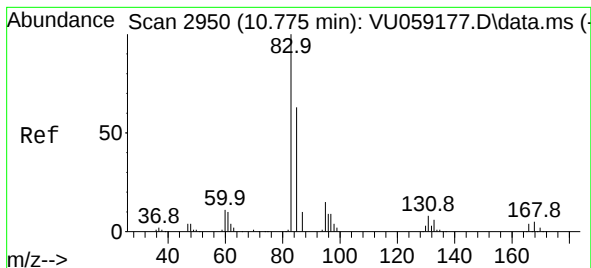
Tgt Ion:106 Resp: 226511
Ion Ratio Lower Upper
106 100
91 216.4 156.7 290.9



#55
Styrene
Concen: 58.428 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU059196.D
Acq: 10 Jun 2024 09:36

Tgt Ion:104 Resp: 396004
Ion Ratio Lower Upper
104 100
78 45.3 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 46.270 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

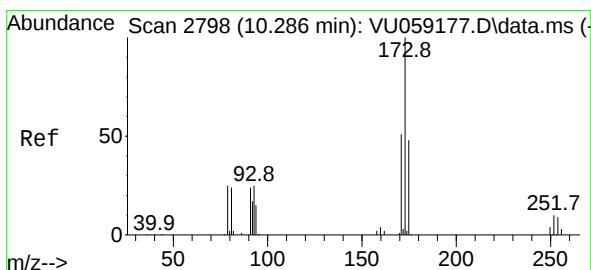
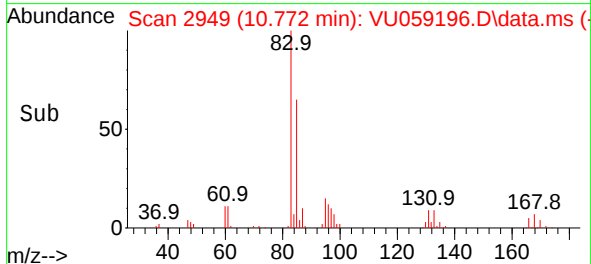
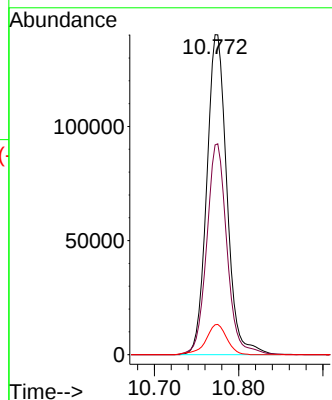
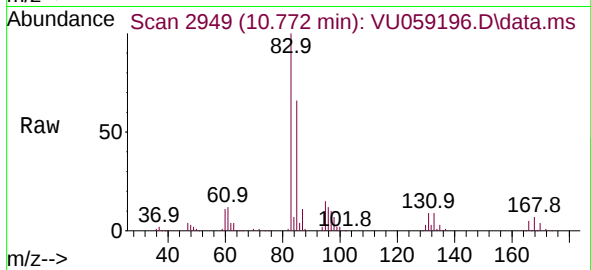
Tgt Ion: 83 Resp: 232791

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.7

131 9.3 7.0 10.4



#59

Bromoform

Concen: 53.659 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

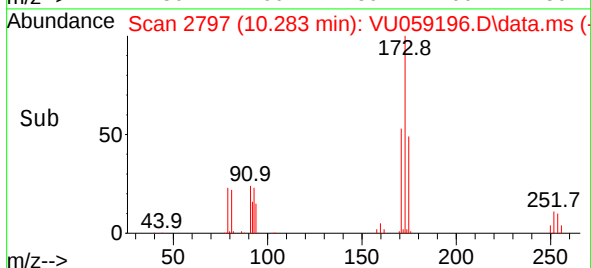
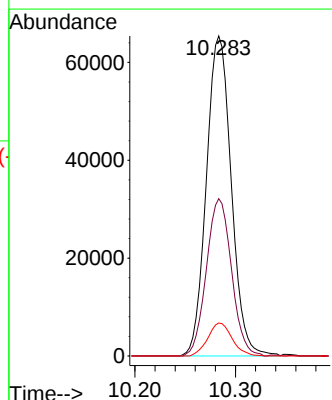
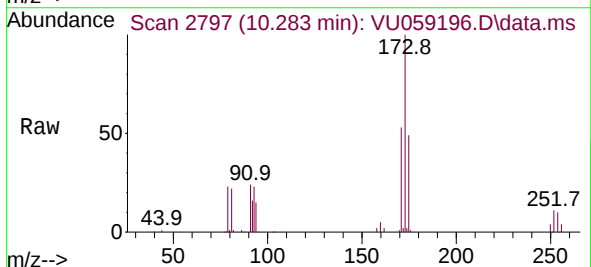
Tgt Ion:173 Resp: 112640

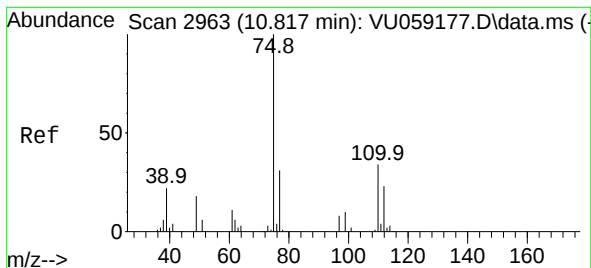
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.6

254 10.0 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 42.087 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

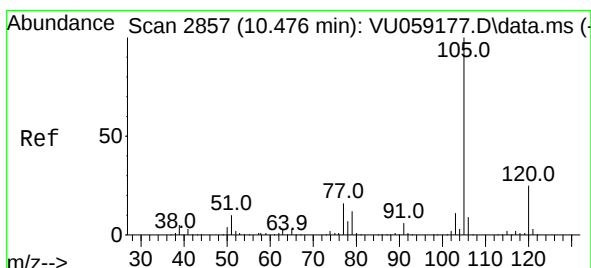
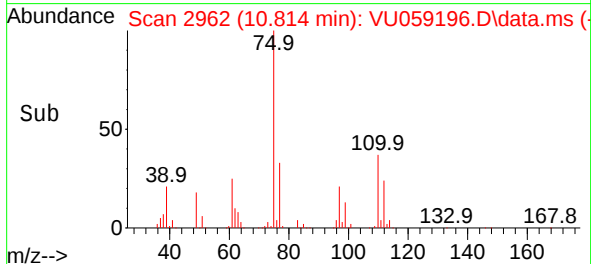
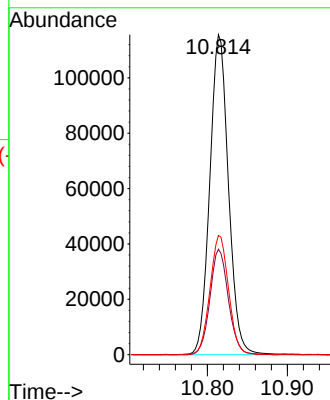
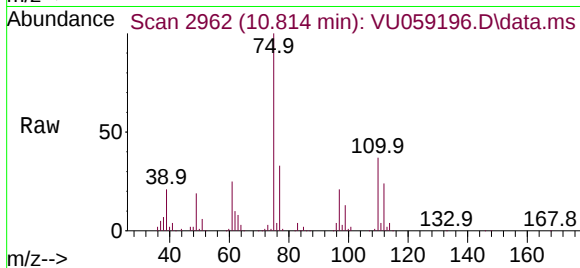
Tgt Ion: 75 Resp: 187380

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

110 37.0 28.4 42.6



#61

Isopropylbenzene

Concen: 54.079 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

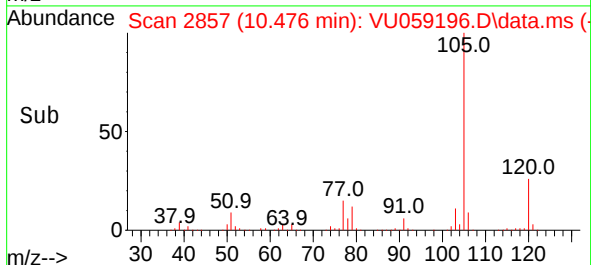
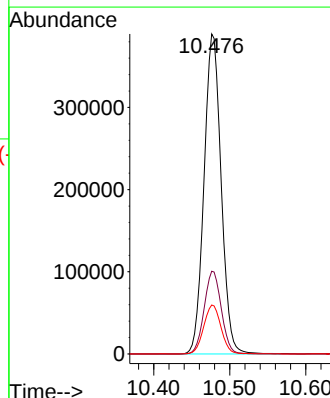
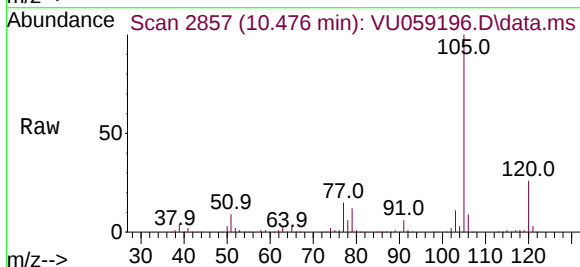
Tgt Ion:105 Resp: 609120

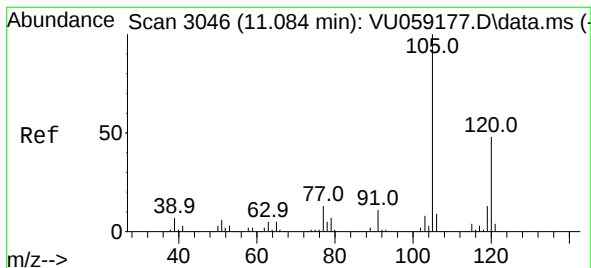
Ion Ratio Lower Upper

105 100

120 26.0 20.3 30.5

77 15.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 54.679 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

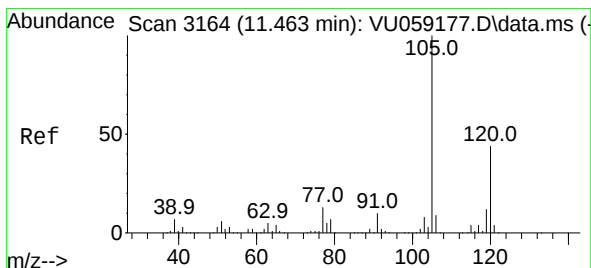
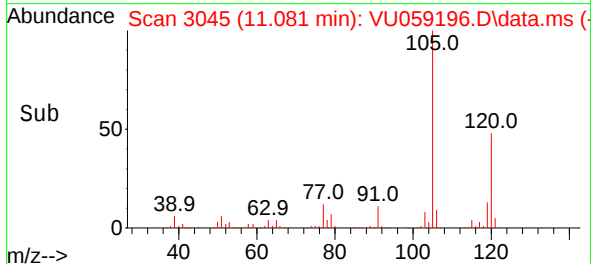
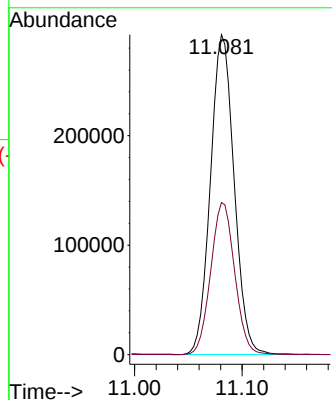
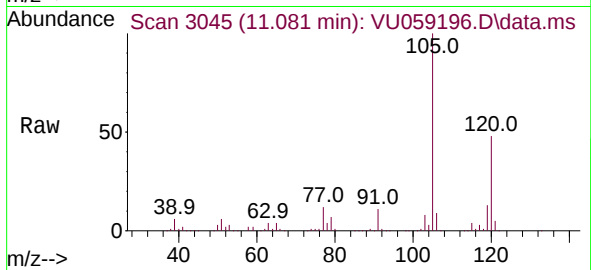
ClientSampleId :

Tgt Ion:105 Resp: 446226

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 55.444 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU059196.D

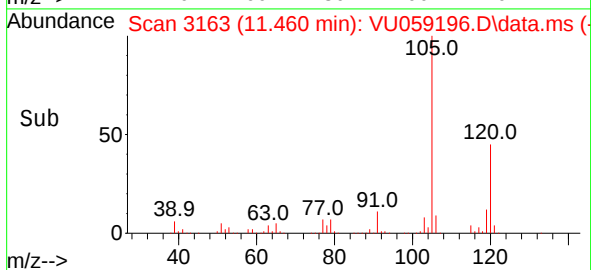
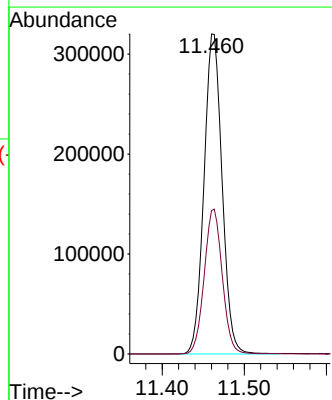
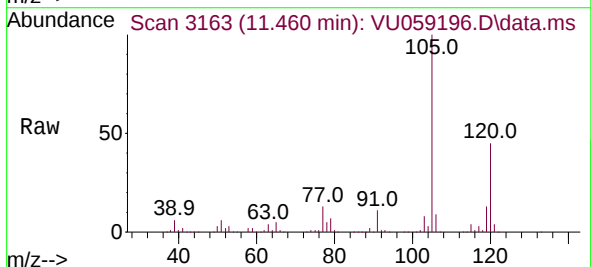
Acq: 10 Jun 2024 09:36

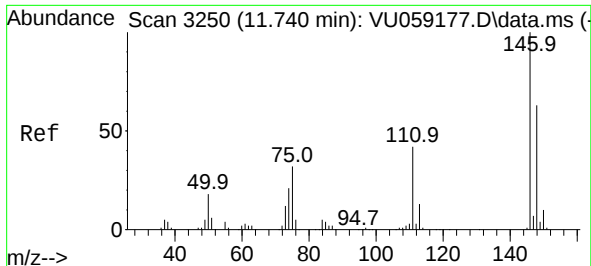
Tgt Ion:105 Resp: 490496

Ion Ratio Lower Upper

105 100

120 44.8 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 54.545 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

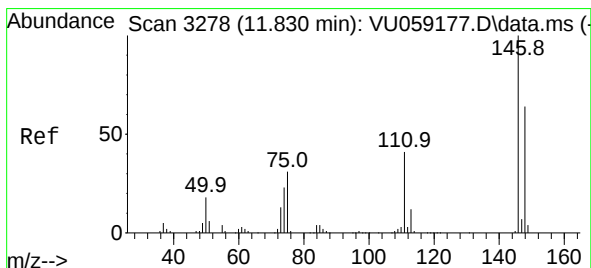
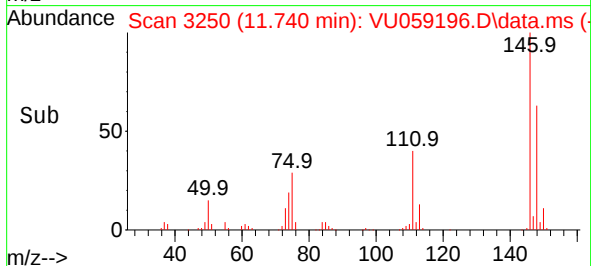
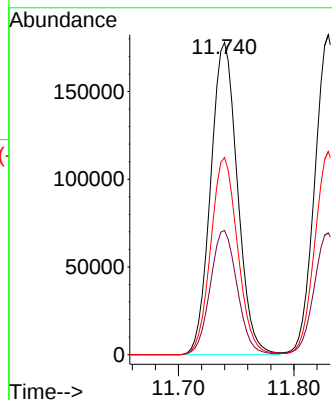
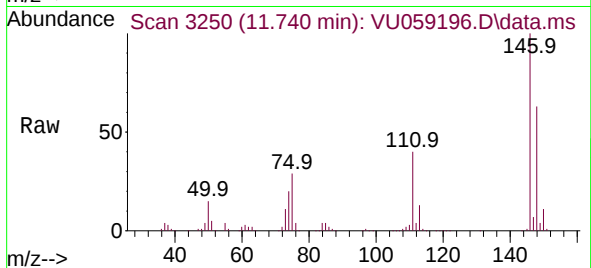
Tgt Ion:146 Resp: 287142

Ion Ratio Lower Upper

146 100

111 39.8 28.7 53.3

148 63.2 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 54.433 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

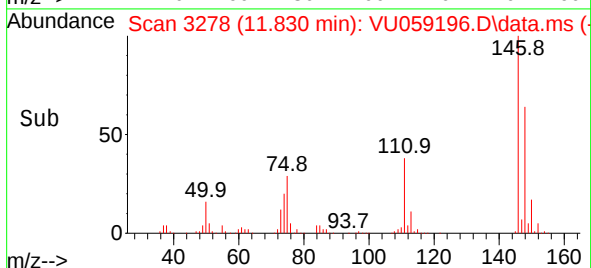
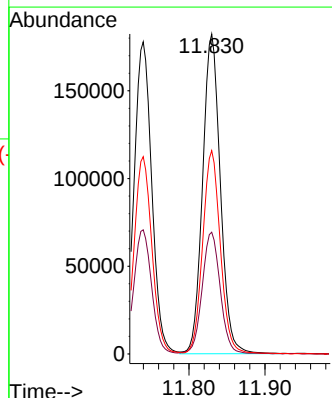
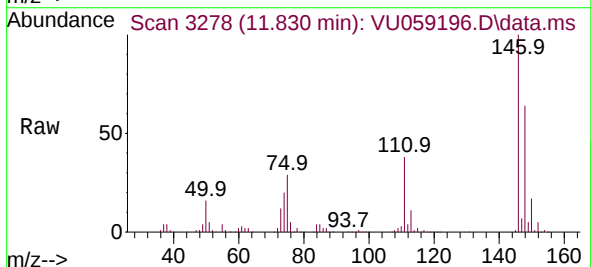
Tgt Ion:146 Resp: 295938

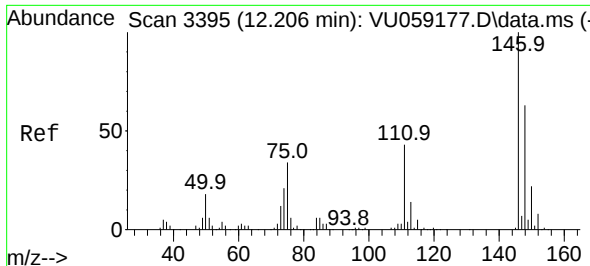
Ion Ratio Lower Upper

146 100

111 38.0 27.9 51.9

148 63.5 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 51.710 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

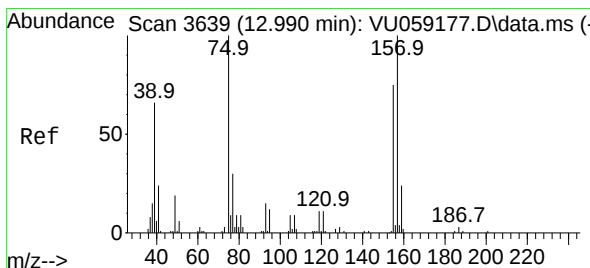
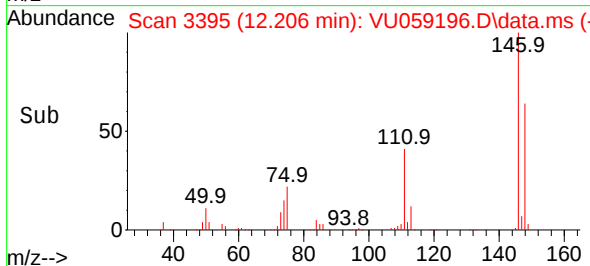
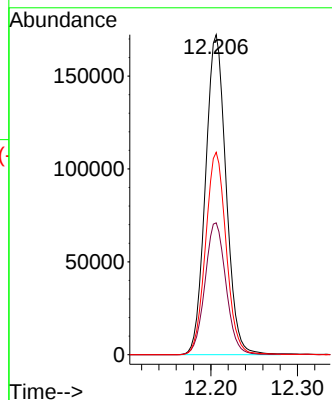
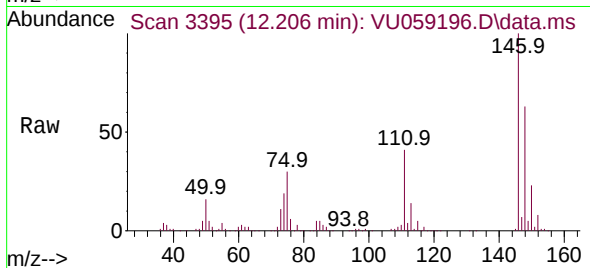
Tgt Ion:146 Resp: 284520

Ion Ratio Lower Upper

146 100

111 41.2 33.4 50.2

148 63.2 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 45.185 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

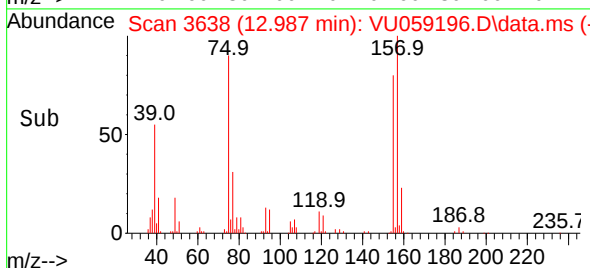
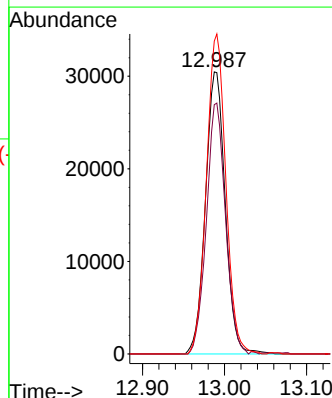
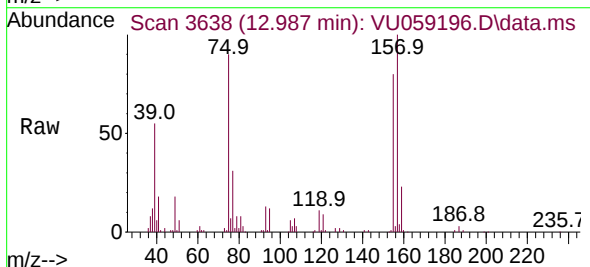
Tgt Ion: 75 Resp: 51001

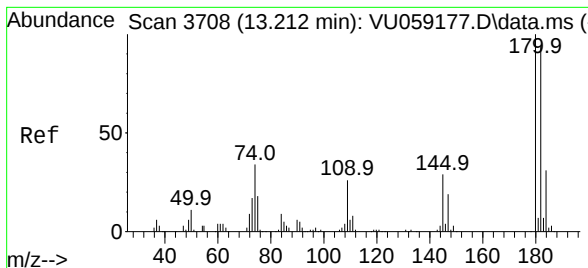
Ion Ratio Lower Upper

75 100

155 88.4 57.5 86.3#

157 115.2 73.4 110.2#





#69

1,3,5-Trichlorobenzene

Concen: 59.487 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

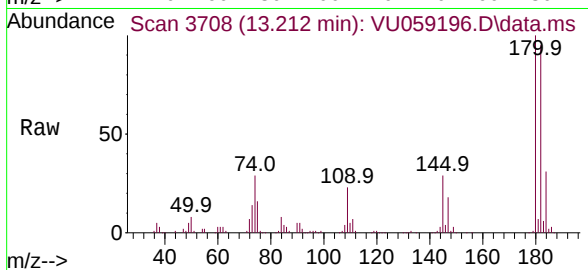
Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 206818

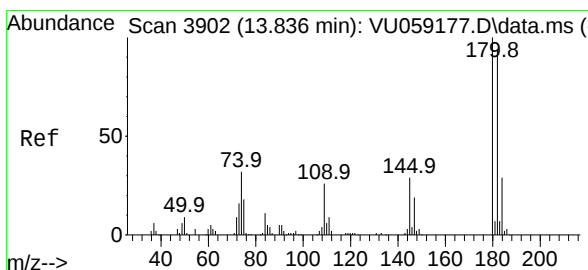
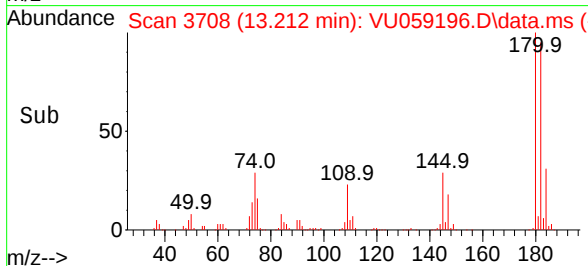
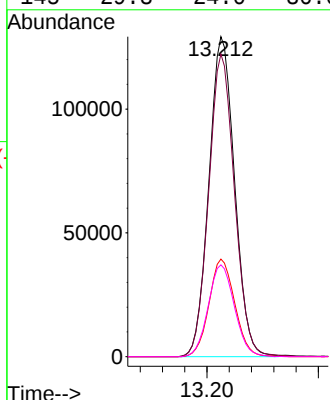
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 30.6 24.2 36.2

145 29.3 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 64.046 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

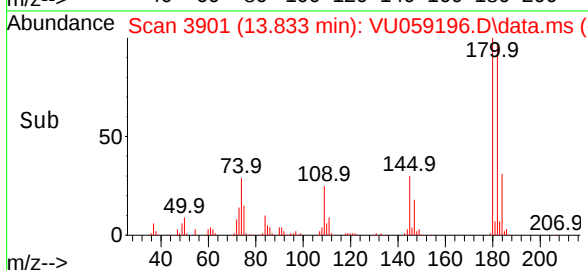
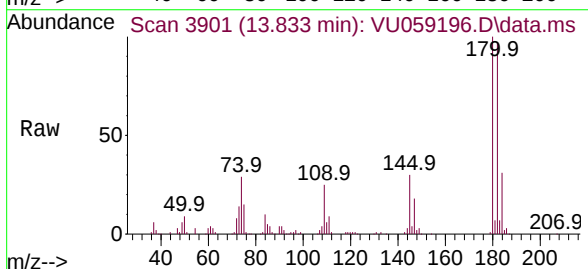
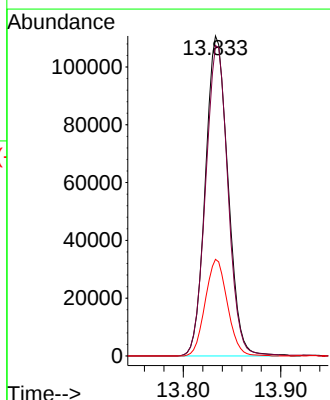
Tgt Ion:180 Resp: 177845

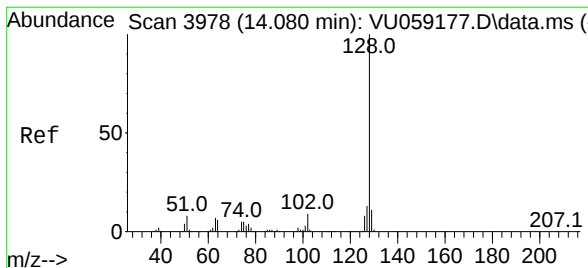
Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.2

145 29.7 24.8 37.2





#71

Naphthalene

Concen: 58.279 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Instrument :

MSVOA_U

ClientSampleId :

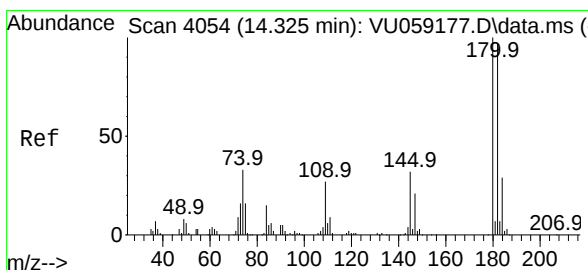
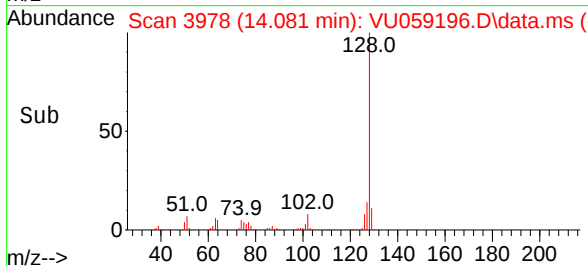
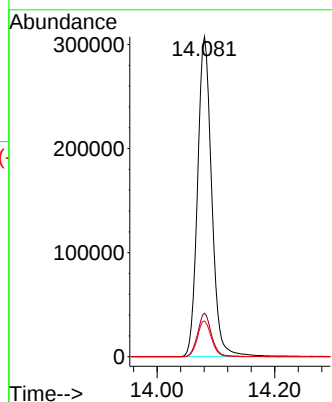
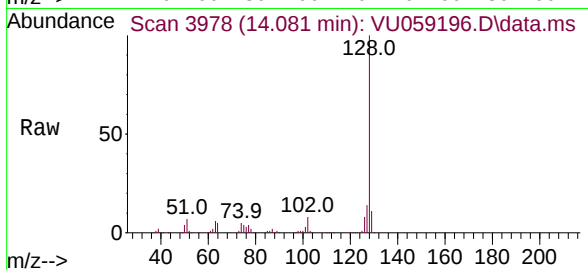
Tgt Ion:128 Resp: 512240

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 64.210 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU059196.D

Acq: 10 Jun 2024 09:36

Tgt Ion:180 Resp: 181271

Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.4

145 31.4 26.4 39.6

