

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061124\
 Data File : VU059212.D
 Acq On : 11 Jun 2024 13:19
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 12 04:26:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 12 04:24:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	188951	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	184967	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96863	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	38723	3.383	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.907	69	42305	4.089	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.563	65	16853	3.613	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.621	46	148516	49.909	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.820%
24) Chloroform-d	5.055	84	107759	4.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.698	65	53231	4.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.724	84	196955	4.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.685	67	65603	4.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.894	98	172351	4.460	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	22018	4.535	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.627	63	109730	47.098	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	60393	4.943	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	66630	4.574	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	63821	4.617	ug/L 96
3) Chloromethane	1.515	50	72940	4.531	ug/L 100
5) Vinyl chloride	1.602	62	82559	4.788	ug/L 100
6) Bromomethane	1.853	94	51352	4.780	ug/L 98
8) Chloroethane	1.930	64	52140	4.758	ug/L 99
9) Trichlorofluoromethane	2.136	101	102045	4.614	ug/L 98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	66792	4.983	ug/L 99
12) 1,1-Dichloroethene	2.576	96	59562	5.060	ug/L 83
13) Acetone	2.634	43	99789	48.518	ug/L 95
14) Carbon disulfide	2.788	76	165420	4.435	ug/L 99
15) Methyl Acetate	2.949	43	25263	4.942	ug/L 96
16) Methylene chloride	3.039	84	72219	4.522	ug/L 97
17) Methyl tert-butyl Ether	3.354	73	147873	4.833	ug/L 99
18) trans-1,2-Dichloroethene	3.348	96	60724	4.899	ug/L 94
19) 1,1-Dichloroethane	3.862	63	126638	4.888	ug/L 98
21) 2-Butanone	4.702	43	164410	49.840	ug/L 96
22) cis-1,2-Dichloroethene	4.660	96	71660	5.022	ug/L 96
23) Bromochloromethane	4.968	128	32377	5.137	ug/L 96
25) Chloroform	5.081	83	131753	4.866	ug/L 98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061124\
 Data File : VU059212.D
 Acq On : 11 Jun 2024 13:19
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

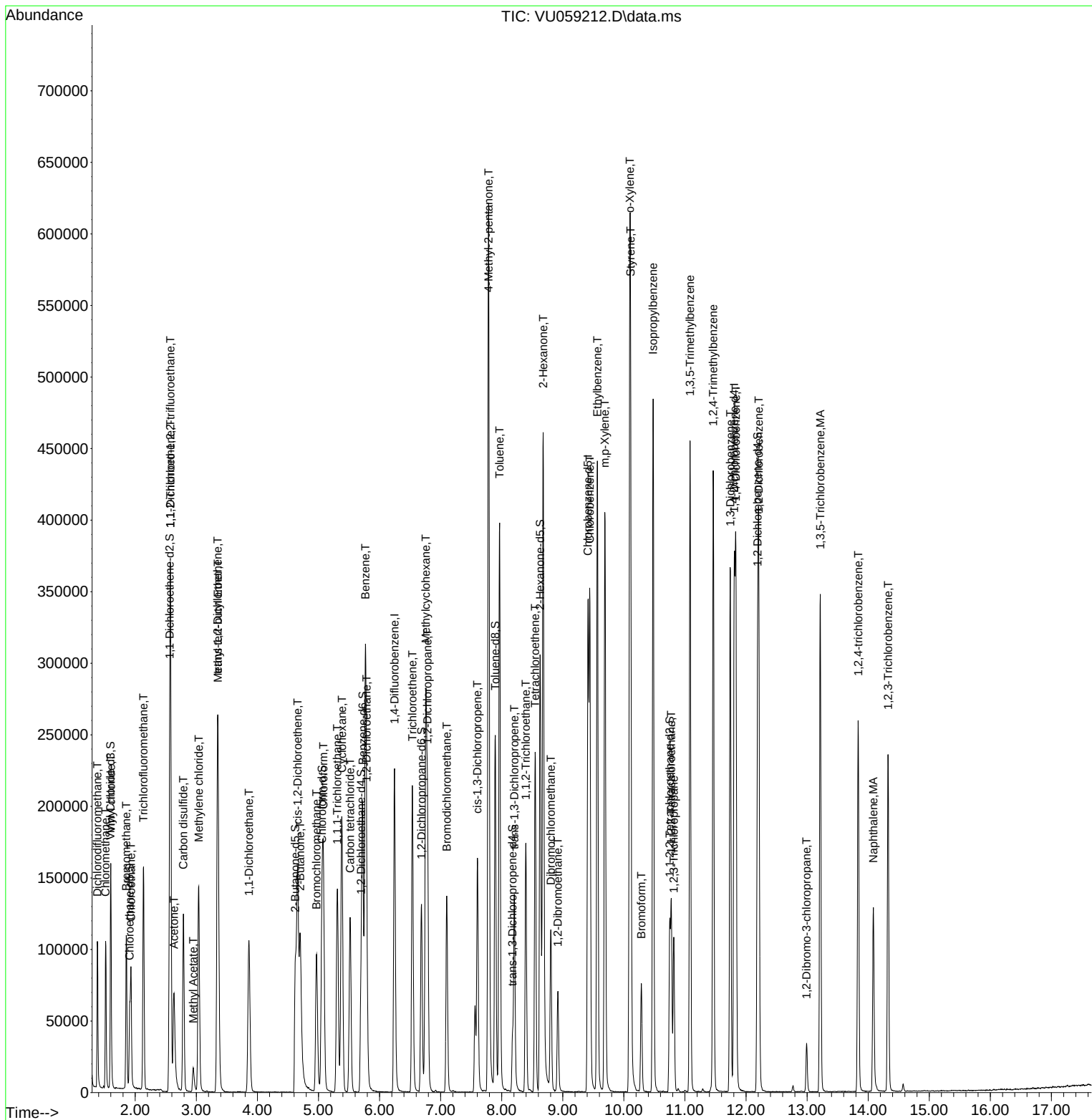
Instrument :
 MSVOA_U
 ClientSampleId :

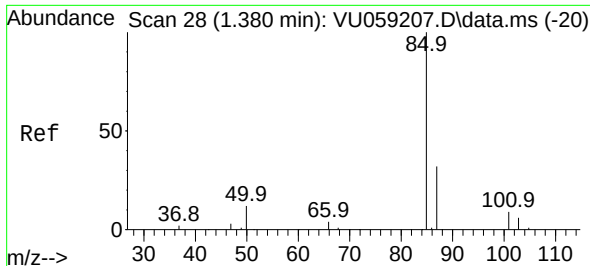
Quant Time: Jun 12 04:26:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 12 04:24:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	79814	4.825	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	104181	5.037	ug/L	98
30) Cyclohexane	5.383	56	94394	4.827	ug/L	100
31) Carbon tetrachloride	5.518	117	83527	4.842	ug/L	99
33) Benzene	5.769	78	280659	5.162	ug/L	100
34) Trichloroethene	6.538	95	75311	5.236	ug/L	97
35) Methylcyclohexane	6.759	83	104412	5.089	ug/L	98
37) 1,2-Dichloropropane	6.785	63	77340	5.011	ug/L	99
38) Bromodichloromethane	7.100	83	93250	5.041	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	103563	4.924	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	398363	49.941	ug/L	99
42) Toluene	7.965	91	301344	5.314	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	81543	4.751	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	54726	5.041	ug/L	99
47) Tetrachloroethene	8.547	164	52126	5.087	ug/L	97
48) 2-Hexanone	8.679	43	289986	50.447	ug/L	98
49) Dibromochloromethane	8.804	129	58312	5.093	ug/L	98
50) 1,2-Dibromoethane	8.920	107	48844	5.091	ug/L	98
51) Chlorobenzene	9.441	112	186858	5.171	ug/L	97
52) Ethylbenzene	9.566	91	316754	5.174	ug/L	100
53) m,p-Xylene	9.689	106	118543	5.291	ug/L	94
54) o-Xylene	10.097	106	116281	5.306	ug/L	99
55) Styrene	10.110	104	198580	5.386	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	67737	4.921	ug/L	99
59) Bromoform	10.287	173	33754	4.769	ug/L	99
60) Isopropylbenzene	10.479	105	313319	5.052	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	46863	4.698	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	243260	4.922	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	243514	4.969	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	148488	4.921	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	146428	4.862	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	136943	4.856	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	9182	4.576	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	109428	4.837	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	80979	4.337	ug/L	98
71) Naphthalene	14.084	128	114330	4.063	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	71522	4.365	ug/L	98

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

Quant Time: Jun 12 04:26:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jun 12 04:24:49 2024
Response via : Initial Calibration

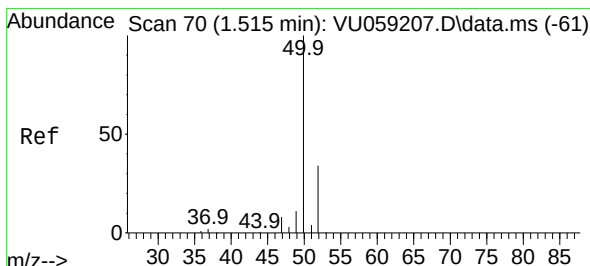
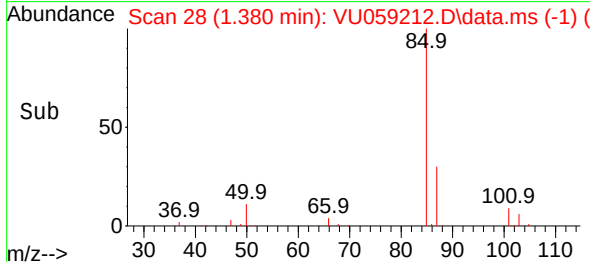
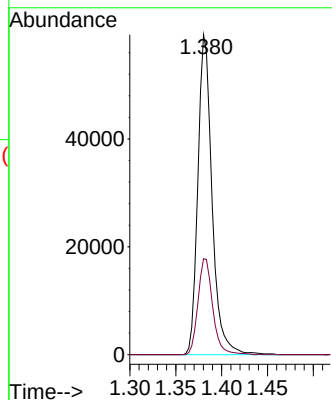
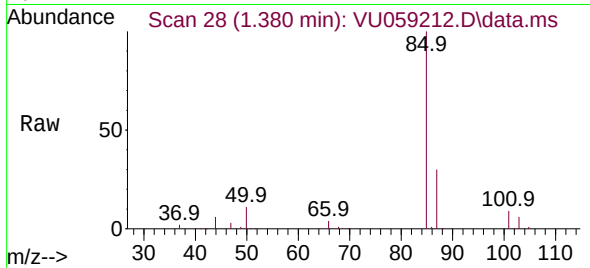




#2
 Dichlorodifluoromethane
 Concen: 4.617 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

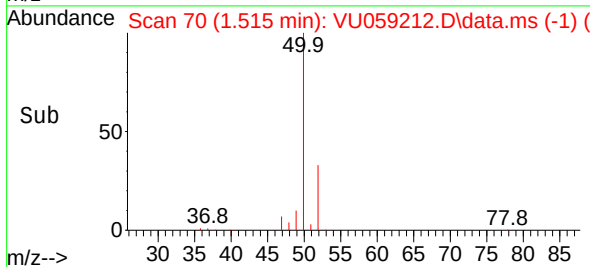
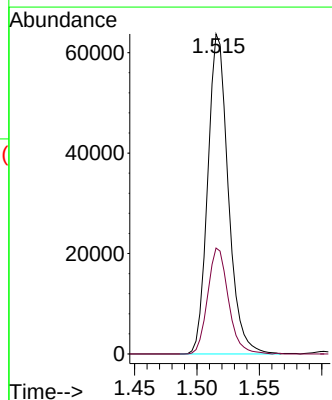
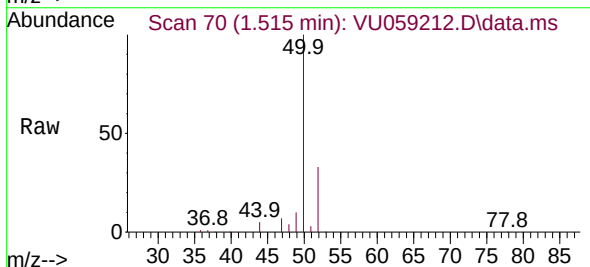
Instrument :
 MSVOA_U
 ClientSampleId :

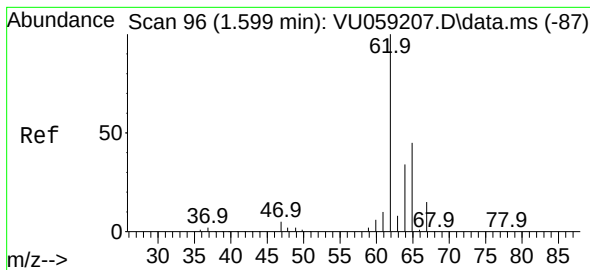
Tgt Ion: 85 Resp: 63821
 Ion Ratio Lower Upper
 85 100
 87 31.1 26.6 40.0



#3
 Chloromethane
 Concen: 4.531 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

Tgt Ion: 50 Resp: 72940
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.2 43.0





#5

Vinyl chloride

Concen: 4.788 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

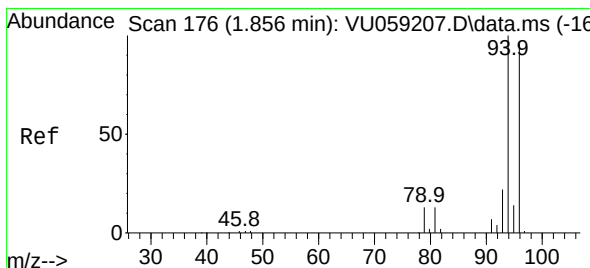
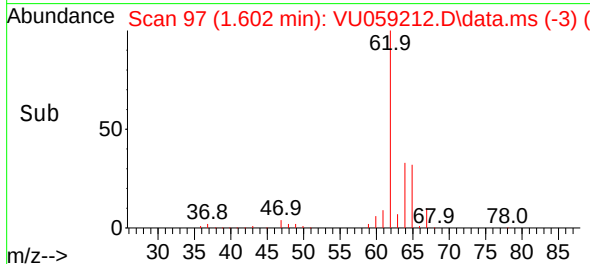
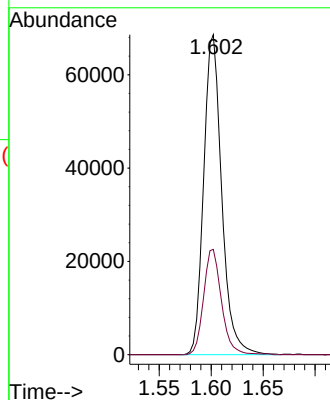
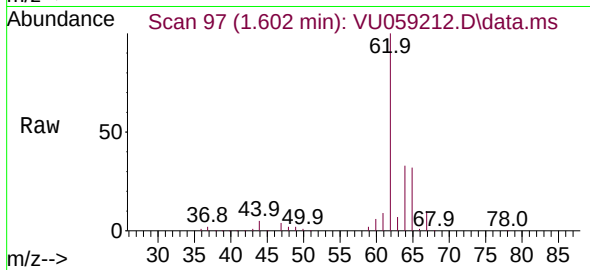
ClientSampleId :

Tgt Ion: 62 Resp: 82559

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 4.780 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU059212.D

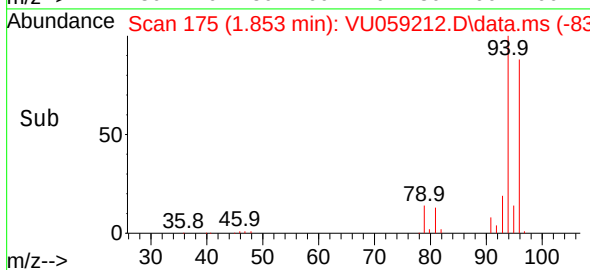
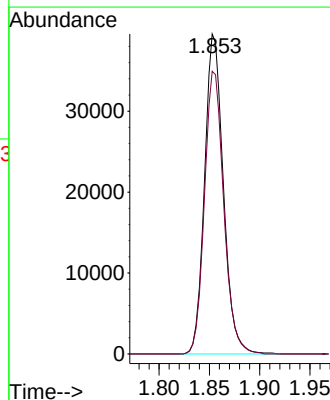
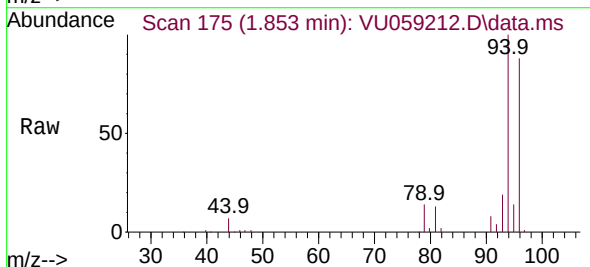
Acq: 11 Jun 2024 13:19

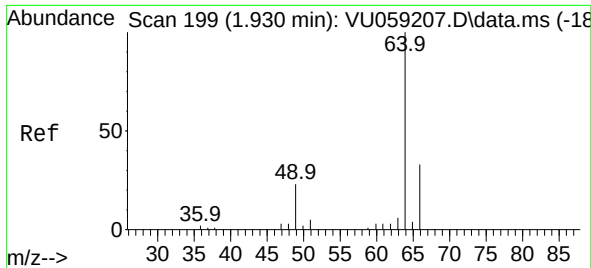
Tgt Ion: 94 Resp: 51352

Ion Ratio Lower Upper

94 100

96 88.3 62.9 116.9

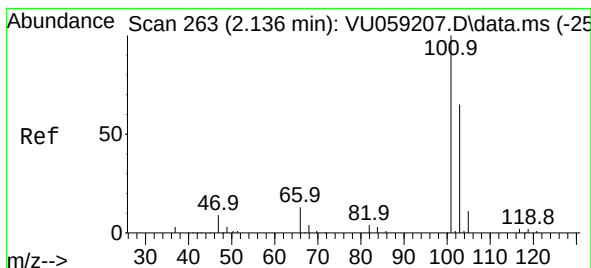
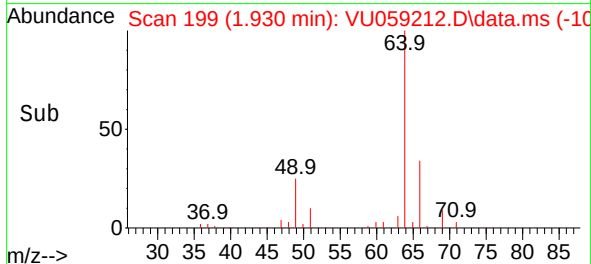
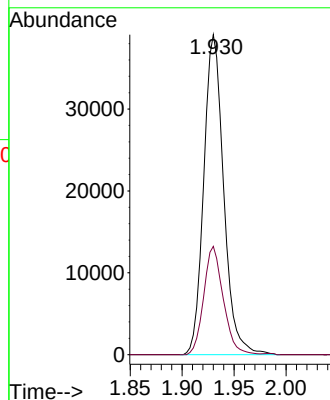
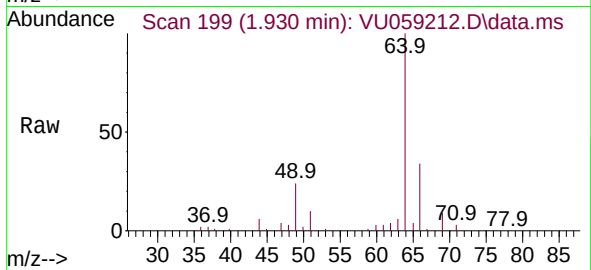




#8
Chloroethane
Concen: 4.758 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

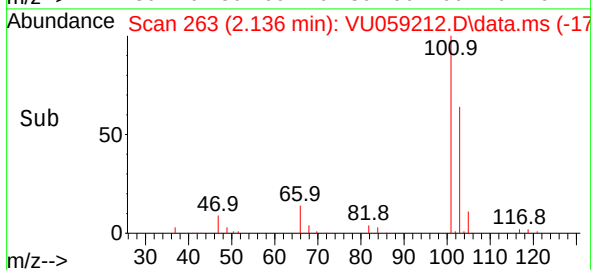
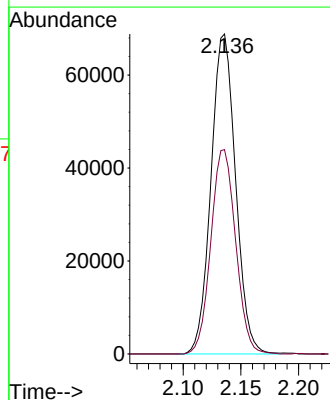
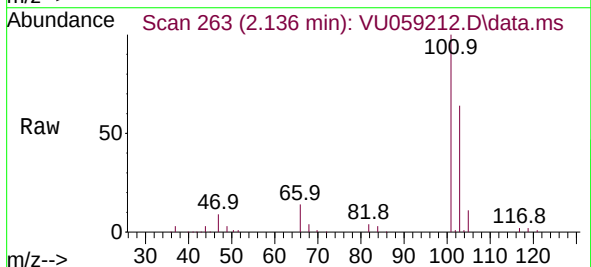
Instrument :
MSVOA_U
ClientSampleId :

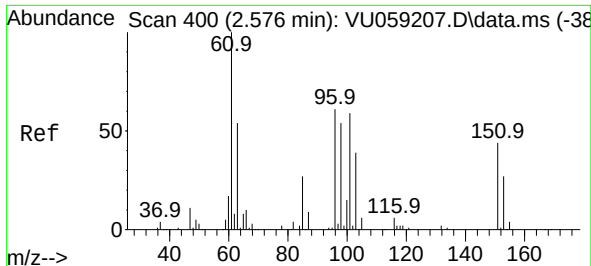
Tgt Ion: 64 Resp: 52140
Ion Ratio Lower Upper
64 100
66 33.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.614 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion:101 Resp: 102045
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0

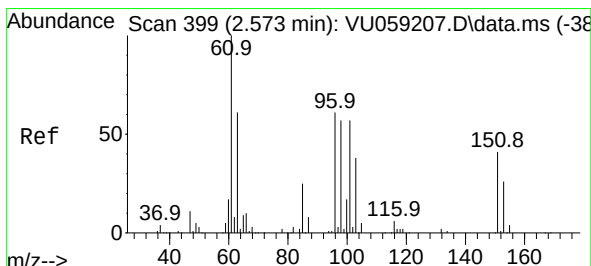
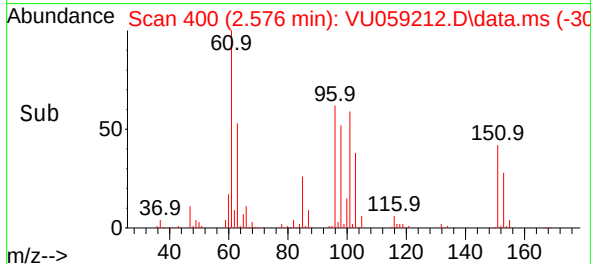
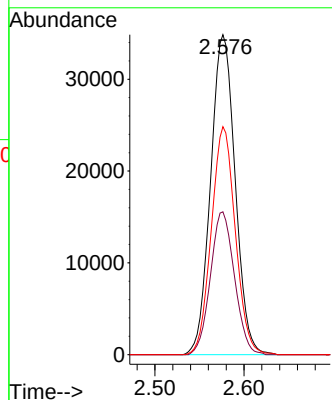
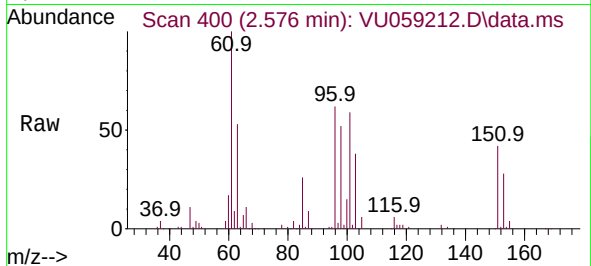




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.983 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

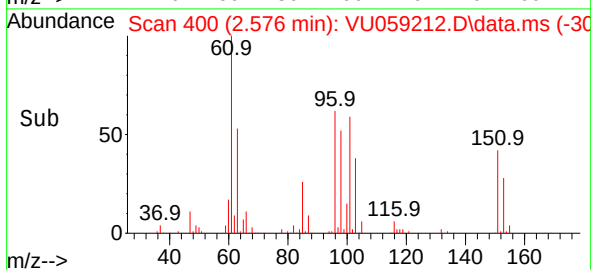
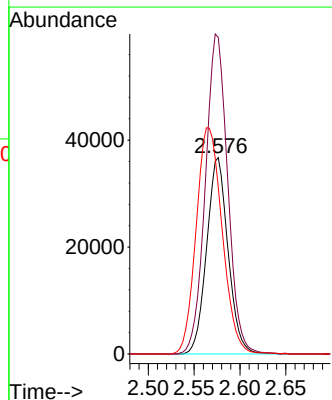
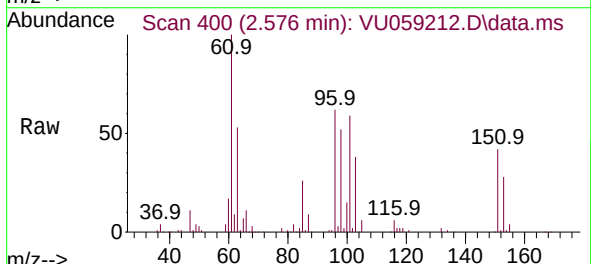
Instrument :
MSVOA_U
ClientSampleId :

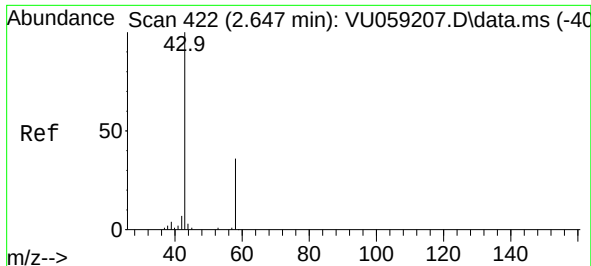
Tgt Ion:101 Resp: 66792
Ion Ratio Lower Upper
101 100
85 43.7 36.2 54.4
151 69.8 55.5 83.3



#12
1,1-Dichloroethene
Concen: 5.060 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 96 Resp: 59562
Ion Ratio Lower Upper
96 100
61 161.2 122.9 228.3
63 85.0 80.4 149.4





#13

Acetone

Concen: 48.518 ug/L

RT: 2.634 min Scan# 418

Delta R.T. -0.013 min

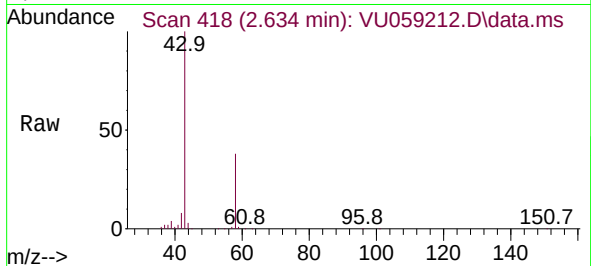
Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

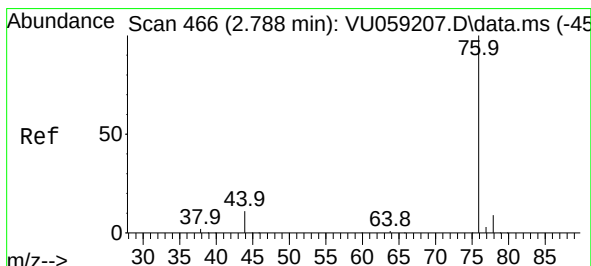
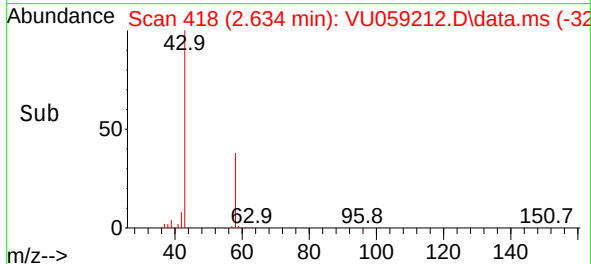
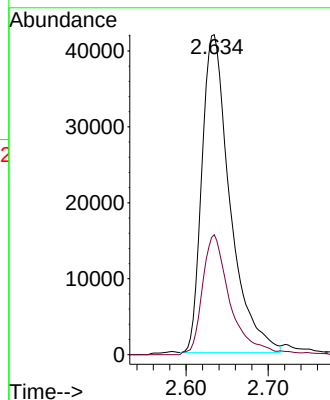


Tgt Ion: 43 Resp: 99789

Ion Ratio Lower Upper

43 100

58 36.6 0.0 68.0



#14

Carbon disulfide

Concen: 4.435 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU059212.D

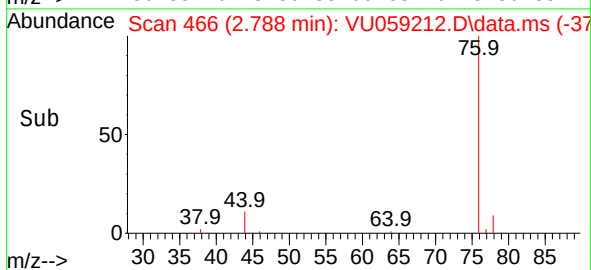
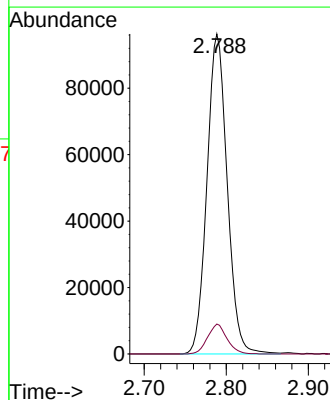
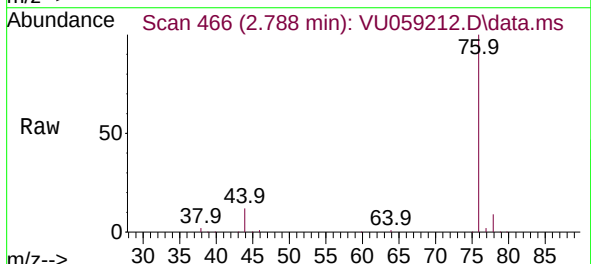
Acq: 11 Jun 2024 13:19

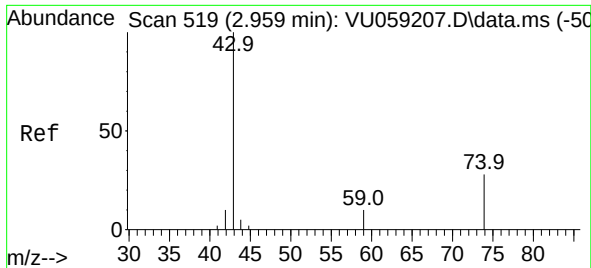
Tgt Ion: 76 Resp: 165420

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

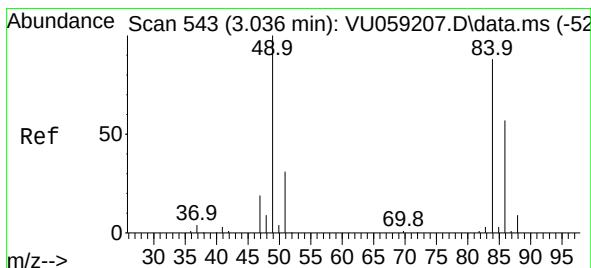
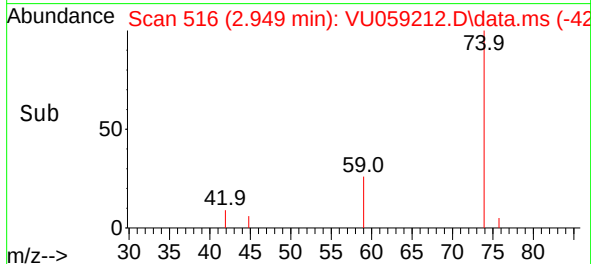
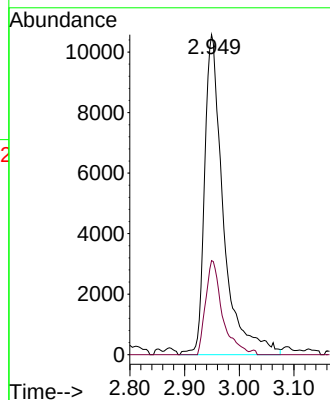
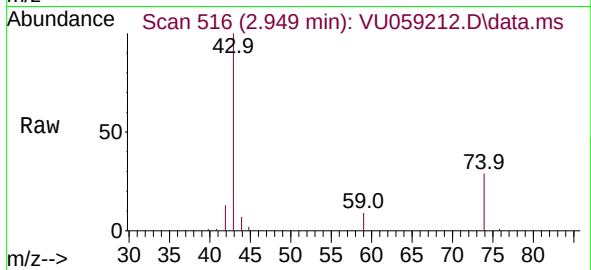




#15
Methyl Acetate
Concen: 4.942 ug/L
RT: 2.949 min Scan# 519
Delta R.T. -0.009 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

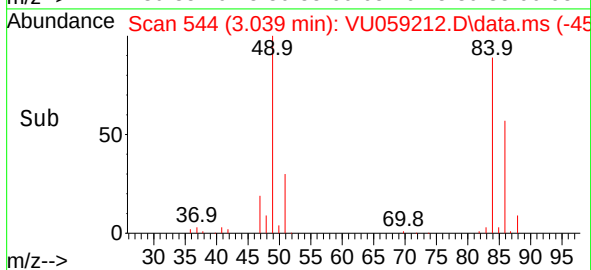
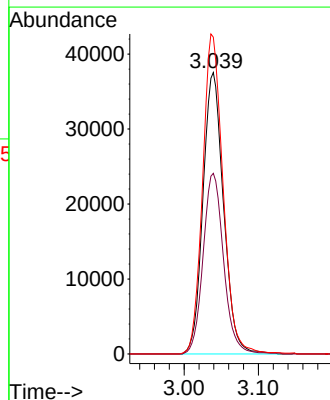
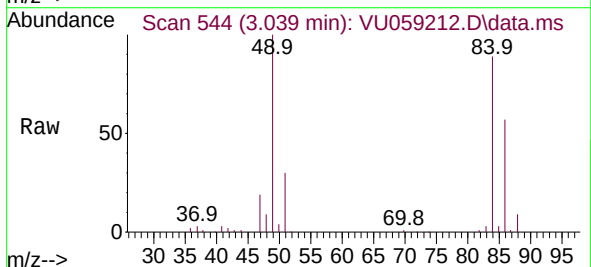
Instrument :
MSVOA_U
ClientSampleId :

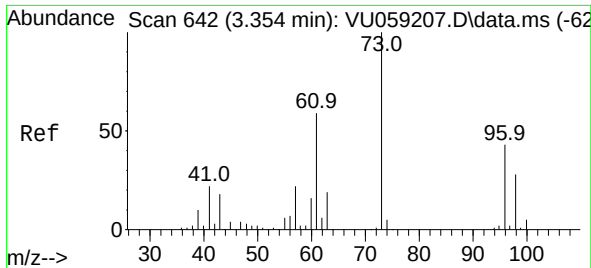
Tgt Ion: 43 Resp: 25263
Ion Ratio Lower Upper
43 100
74 26.0 19.2 28.8



#16
Methylene chloride
Concen: 4.522 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 84 Resp: 72219
Ion Ratio Lower Upper
84 100
86 64.1 42.1 78.1
49 112.5 80.6 149.8





#17

Methyl tert-butyl Ether

Concen: 4.833 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

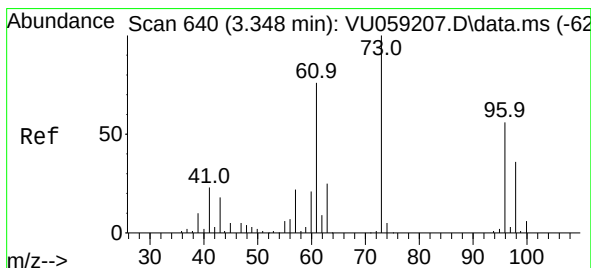
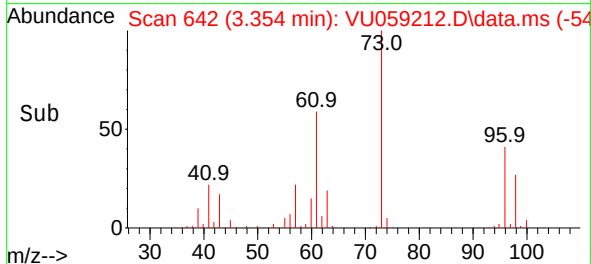
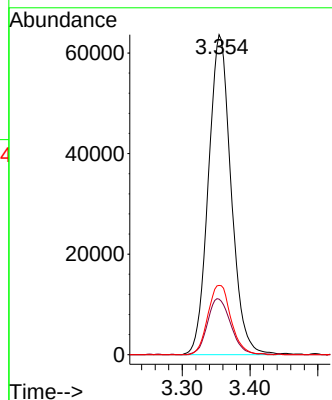
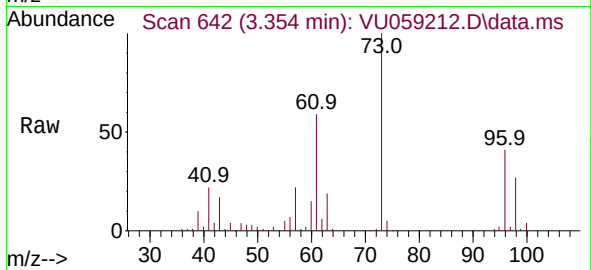
Tgt Ion: 73 Resp: 147873

Ion Ratio Lower Upper

73 100

43 18.0 14.9 22.3

57 22.0 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 4.899 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

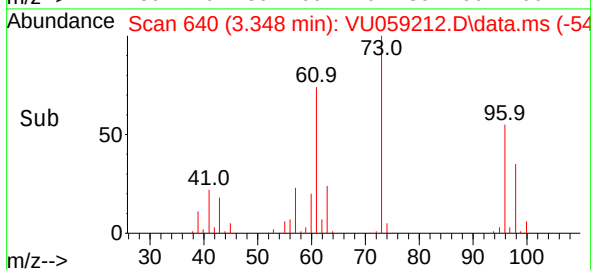
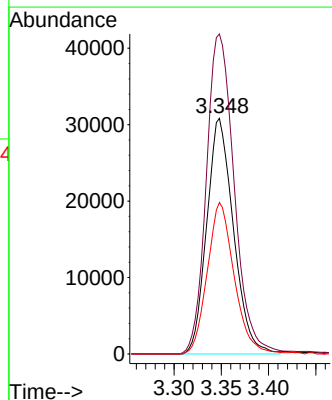
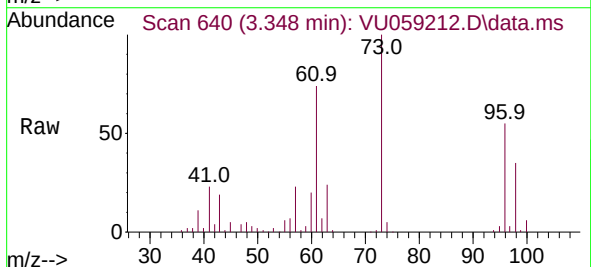
Tgt Ion: 96 Resp: 60724

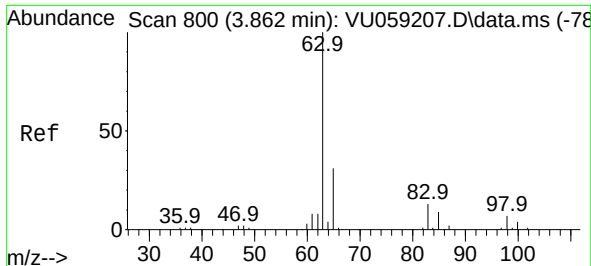
Ion Ratio Lower Upper

96 100

61 135.8 101.8 189.0

98 64.3 43.3 80.5

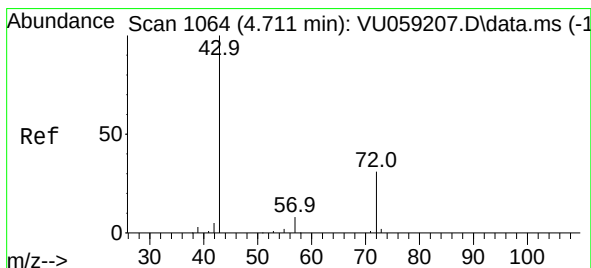
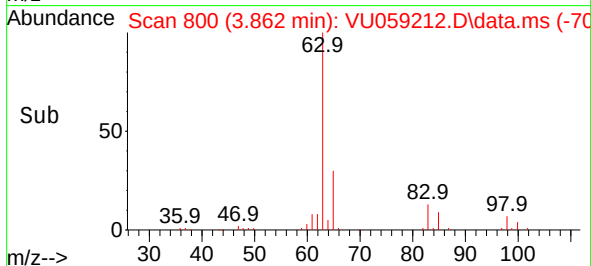
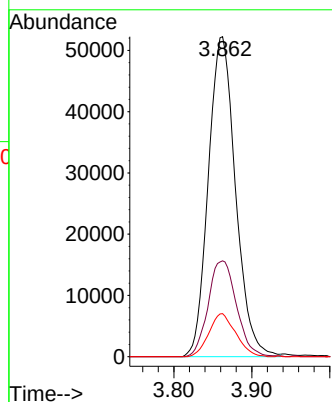
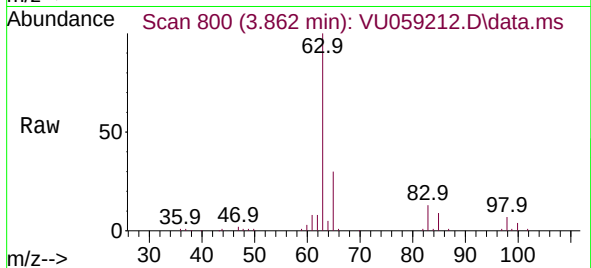




#19
1,1-Dichloroethane
Concen: 4.888 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

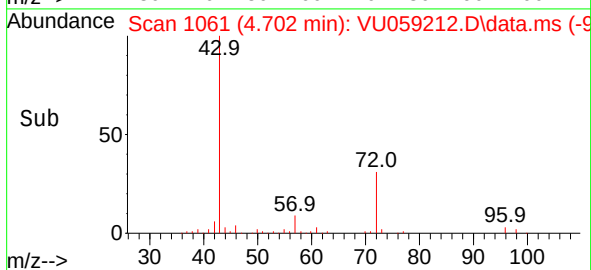
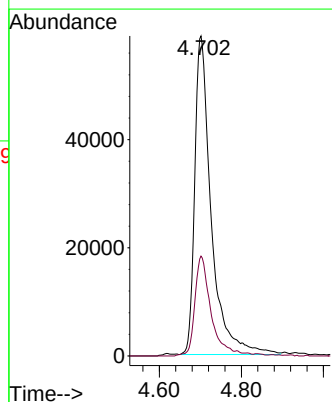
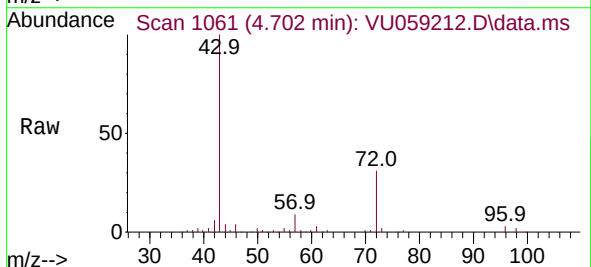
Instrument :
MSVOA_U
ClientSampleId :

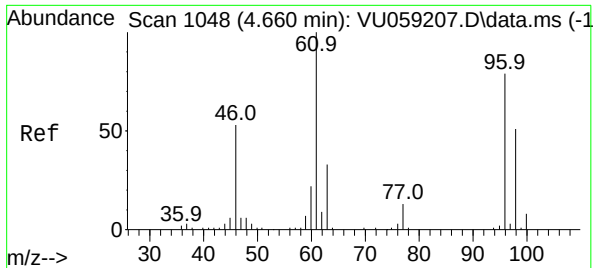
Tgt Ion: 63 Resp: 126638
Ion Ratio Lower Upper
63 100
65 29.9 21.8 40.6
83 13.5 9.9 18.5



#21
2-Butanone
Concen: 49.840 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.009 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 43 Resp: 164410
Ion Ratio Lower Upper
43 100
72 29.9 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 5.022 ug/L

RT: 4.660 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

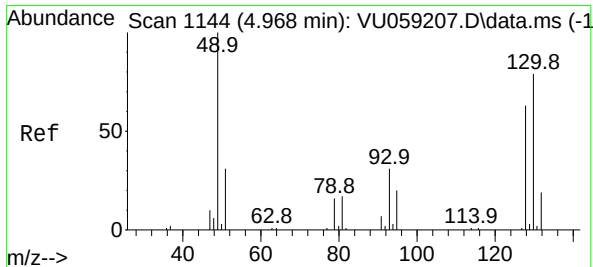
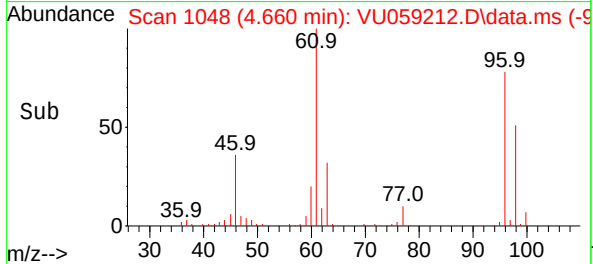
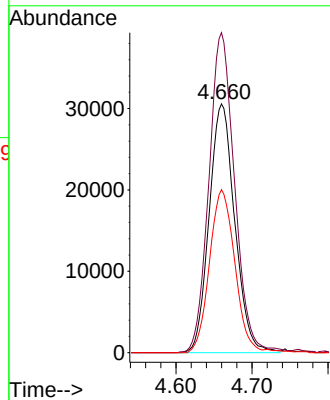
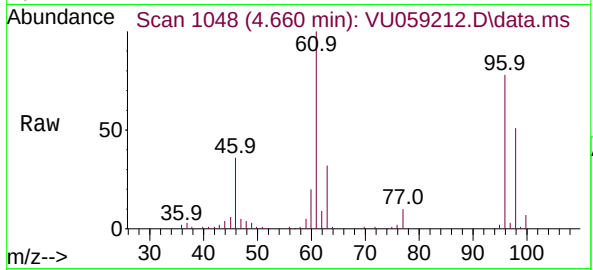
Tgt Ion: 96 Resp: 71660

Ion Ratio Lower Upper

96 100

61 128.6 87.4 162.2

98 65.5 42.3 78.5



#23

Bromochloromethane

Concen: 5.137 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Tgt Ion:128 Resp: 32377

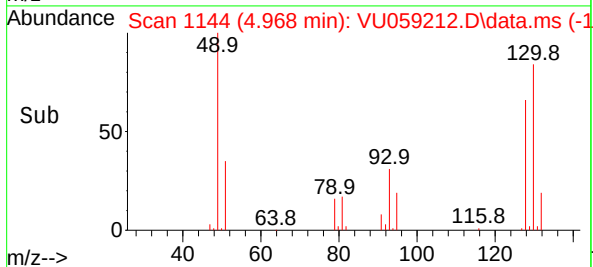
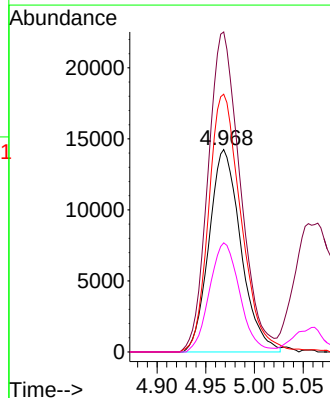
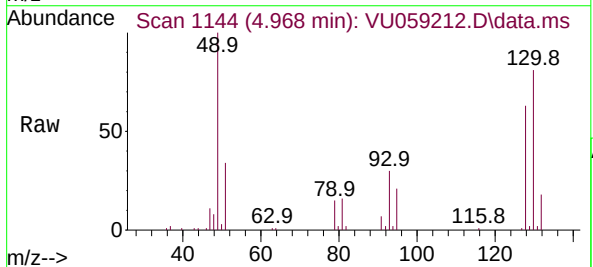
Ion Ratio Lower Upper

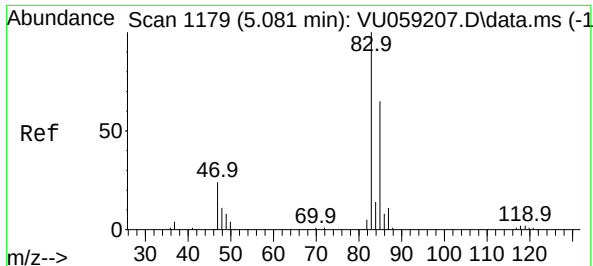
128 100

49 158.1 117.0 217.4

130 127.3 89.6 166.4

51 53.9 42.0 63.0

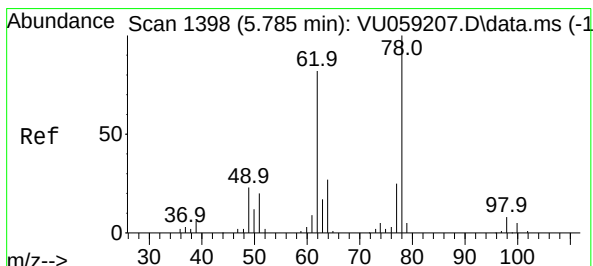
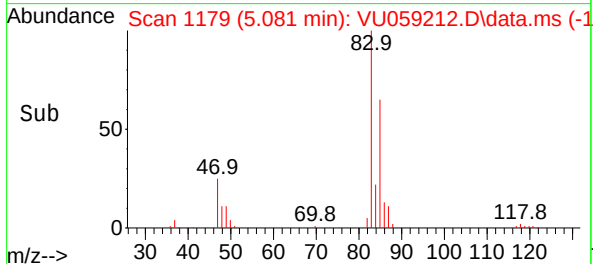
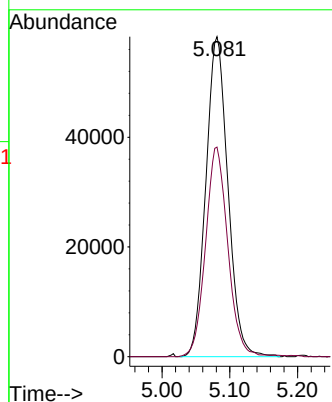
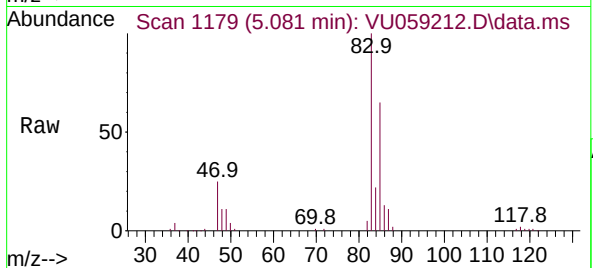




#25
Chloroform
Concen: 4.866 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

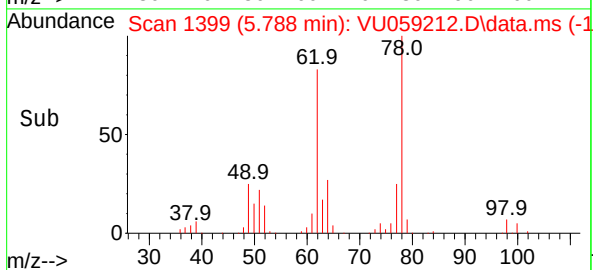
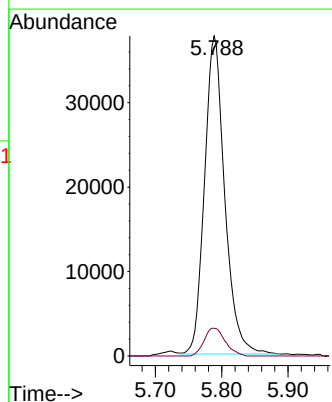
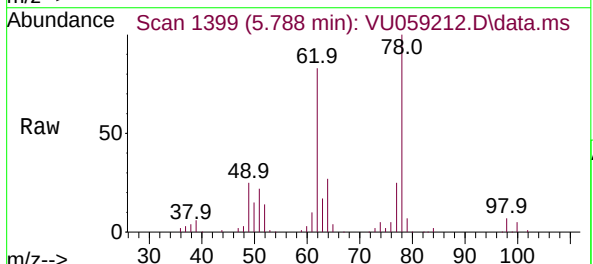
Instrument :
MSVOA_U
ClientSampleId :

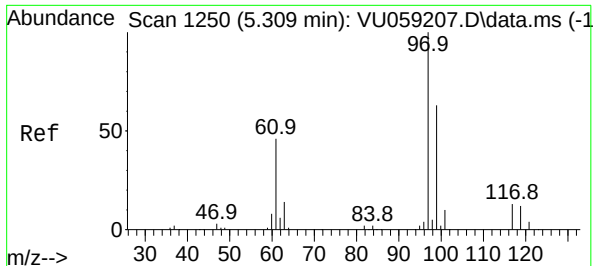
Tgt Ion: 83 Resp: 131753
Ion Ratio Lower Upper
83 100
85 65.5 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.825 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 62 Resp: 79814
Ion Ratio Lower Upper
62 100
98 8.7 7.5 11.3

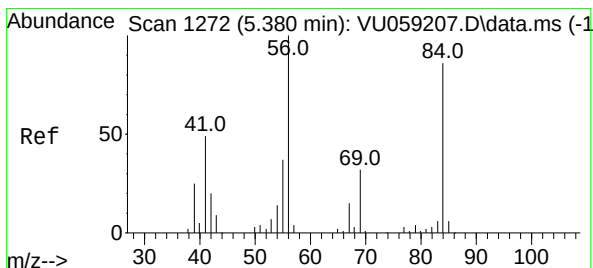
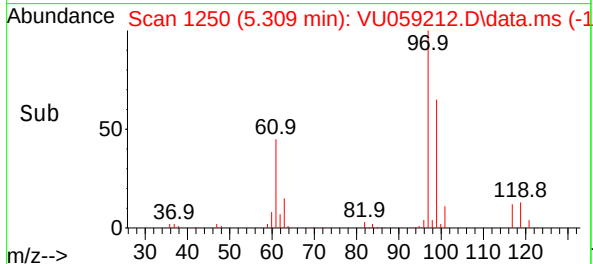
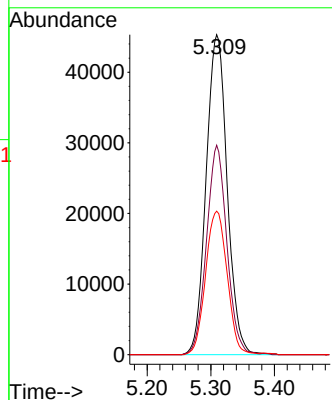
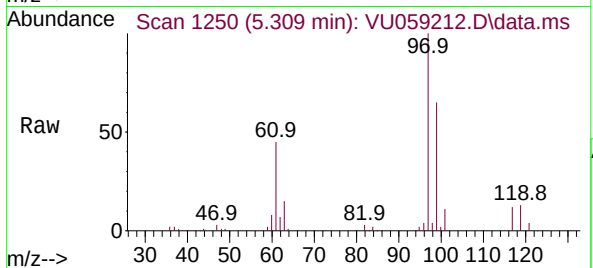




#29
1,1,1-Trichloroethane
Concen: 5.037 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

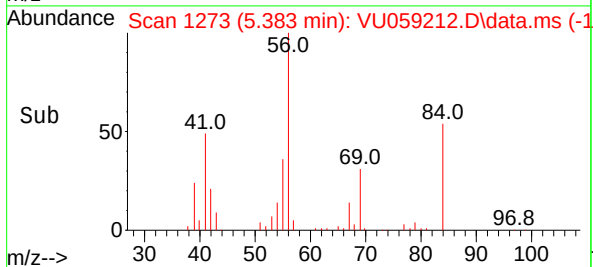
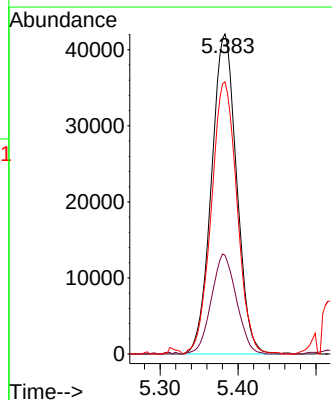
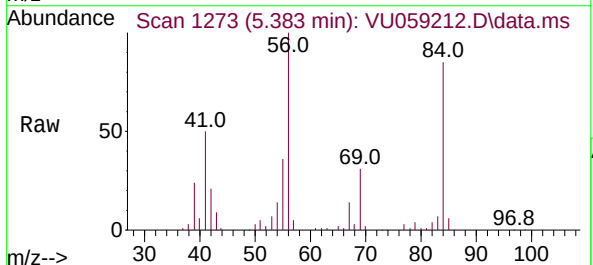
Instrument :
MSVOA_U
ClientSampleId :

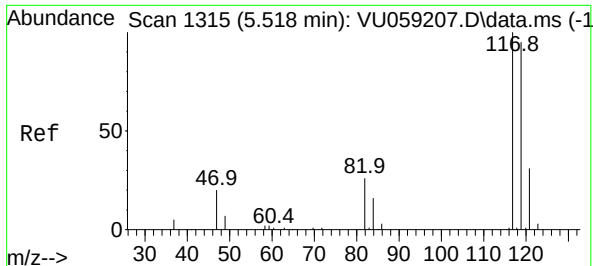
Tgt Ion:	97	Resp:	104181
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	45.9	37.4	56.2



#30
Cyclohexane
Concen: 4.827 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion:	56	Resp:	94394
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.8	37.2
84	86.9	69.8	104.8

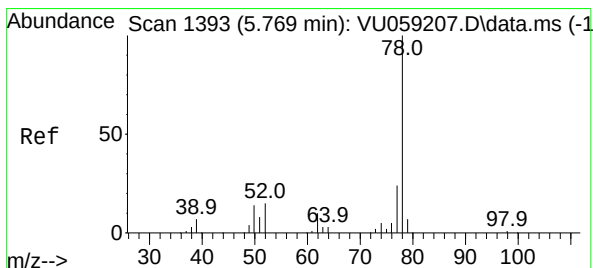
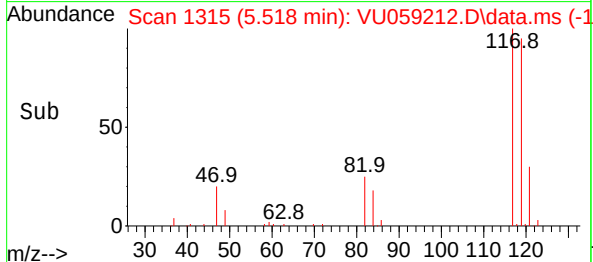
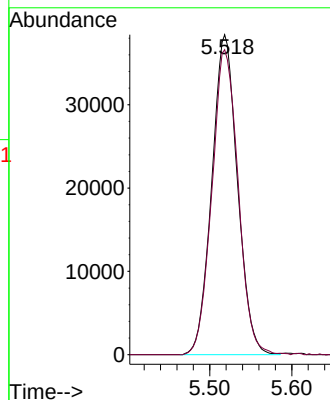
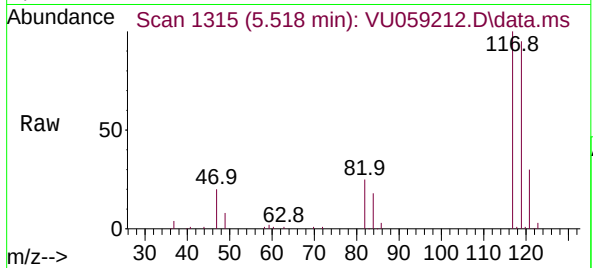




#31
Carbon tetrachloride
Concen: 4.842 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

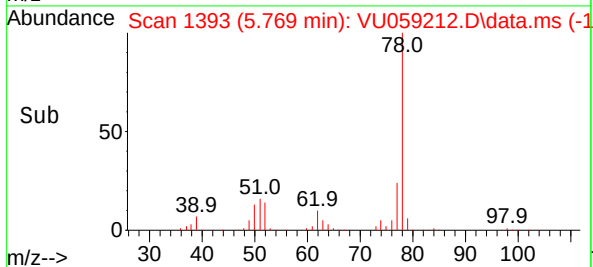
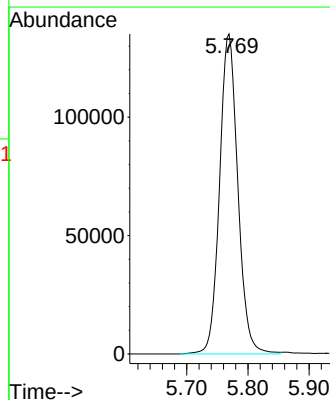
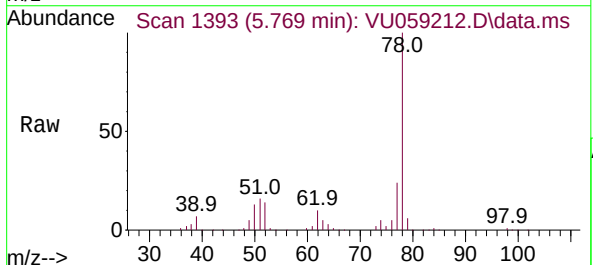
Instrument :
MSVOA_U
ClientSampleId :

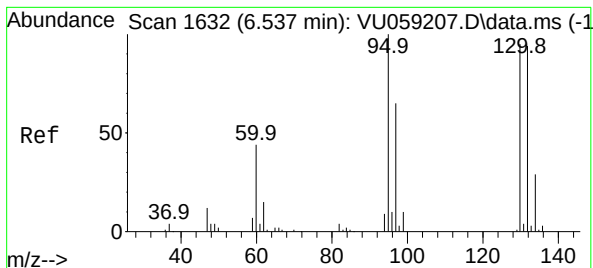
Tgt Ion:117 Resp: 83527
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 5.162 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 78 Resp: 280659





#34

Trichloroethene

Concen: 5.236 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 75311

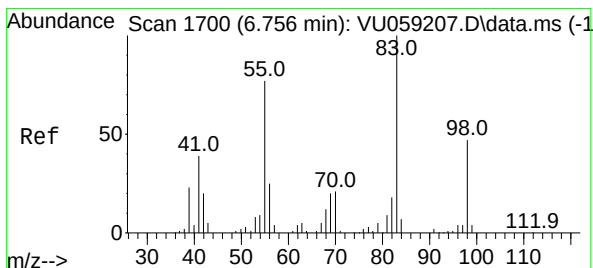
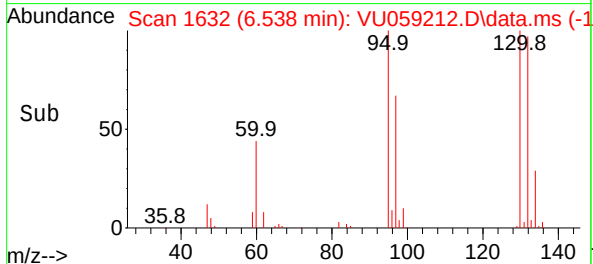
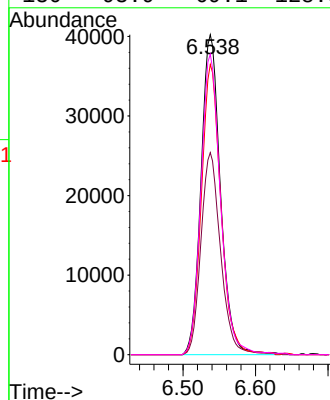
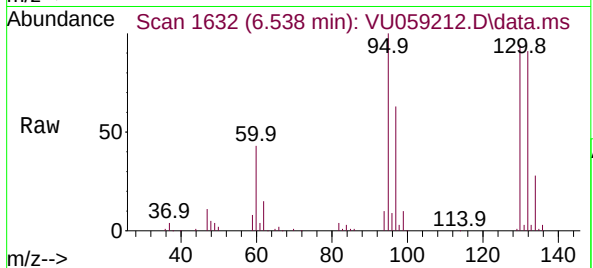
Ion Ratio Lower Upper

95 100

97 63.2 45.3 84.1

132 90.7 64.0 119.0

130 93.9 69.1 128.3



#35

Methylcyclohexane

Concen: 5.089 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

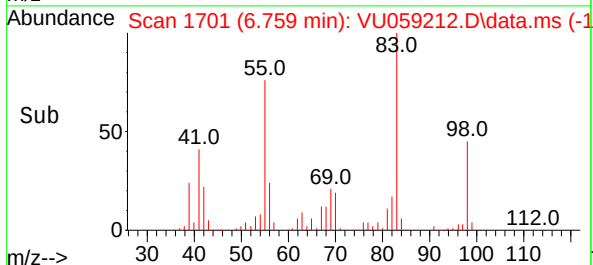
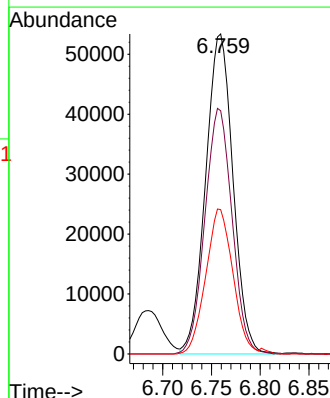
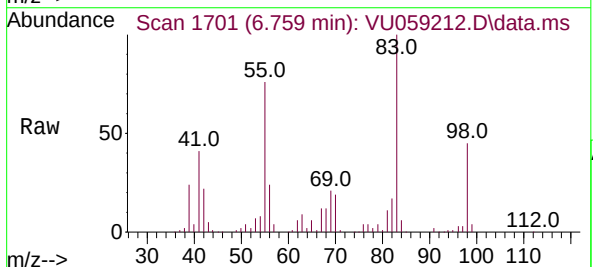
Tgt Ion: 83 Resp: 104412

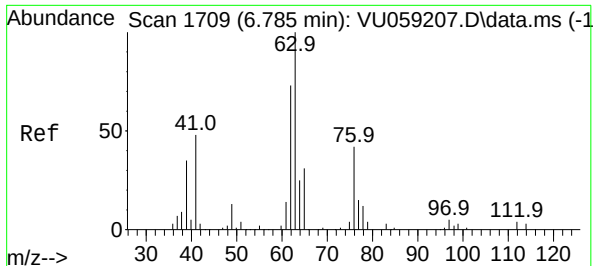
Ion Ratio Lower Upper

83 100

55 76.0 62.7 94.1

98 44.7 35.4 53.0

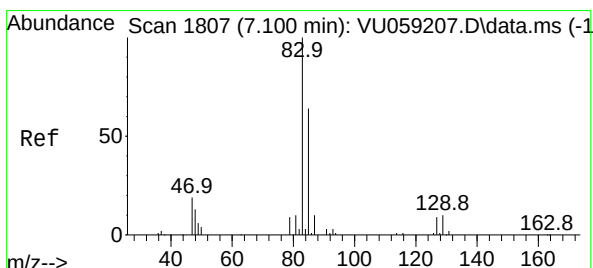
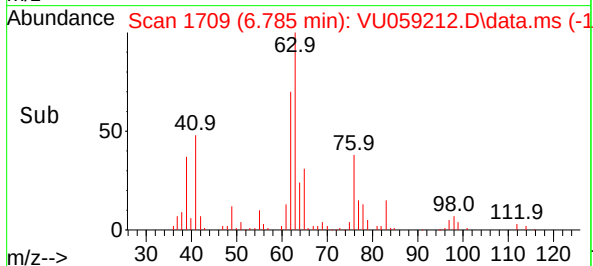
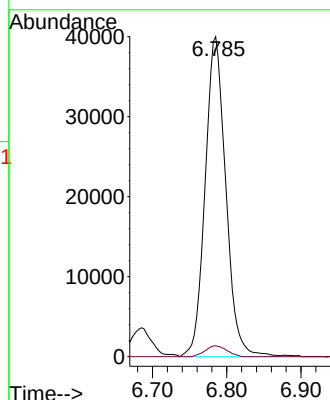
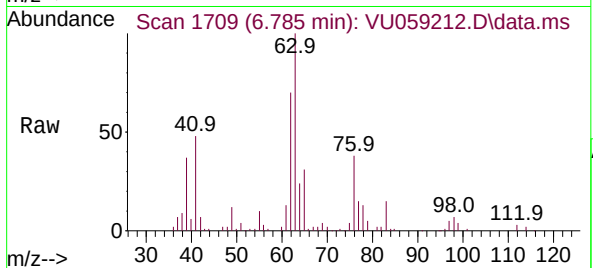




#37
1,2-Dichloropropane
Concen: 5.011 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

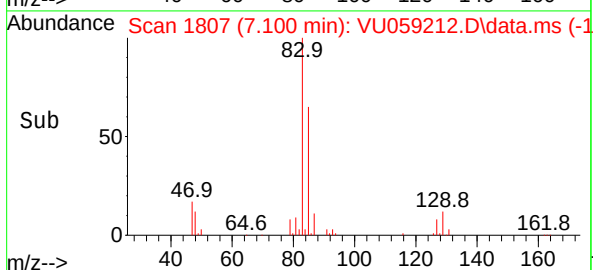
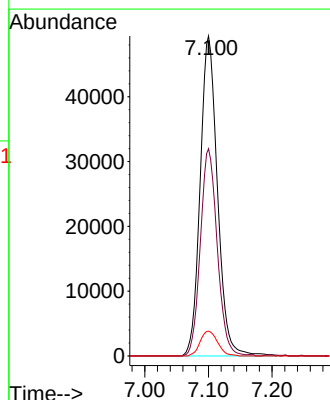
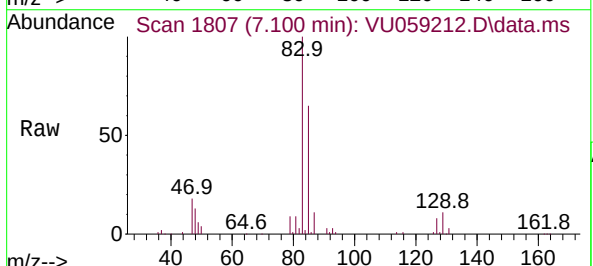
Instrument :
MSVOA_U
ClientSampleId :

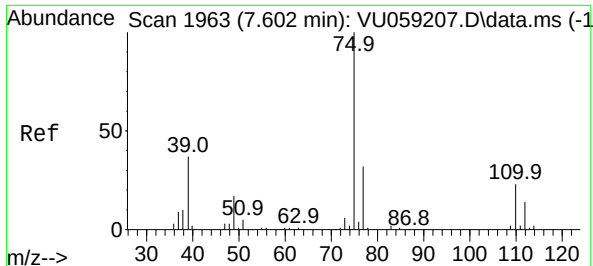
Tgt Ion: 63 Resp: 77340
Ion Ratio Lower Upper
63 100
112 3.6 2.6 3.8



#38
Bromodichloromethane
Concen: 5.041 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 83 Resp: 93250
Ion Ratio Lower Upper
83 100
85 64.8 42.7 79.3
127 7.8 6.1 9.1

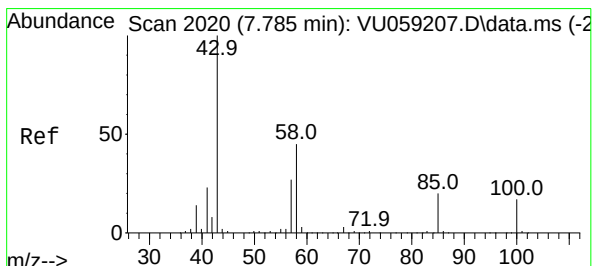
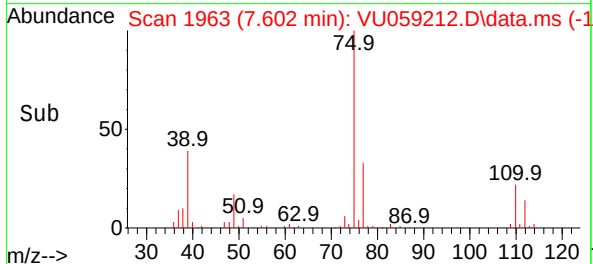
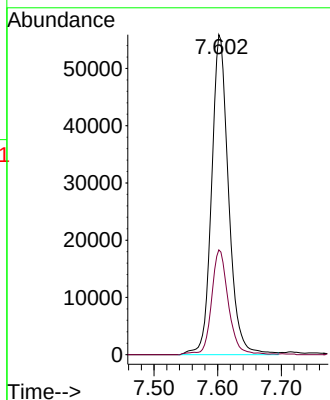
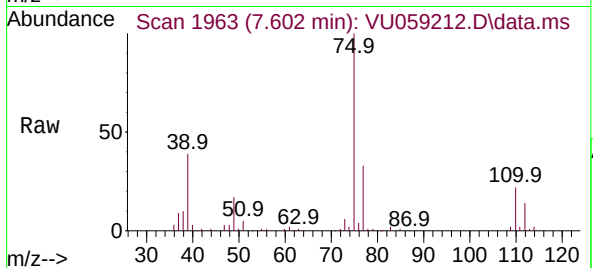




#39
 cis-1,3-Dichloropropene
 Concen: 4.924 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

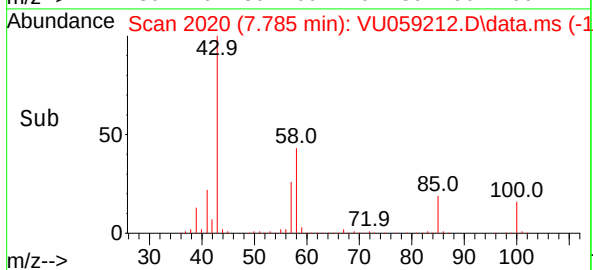
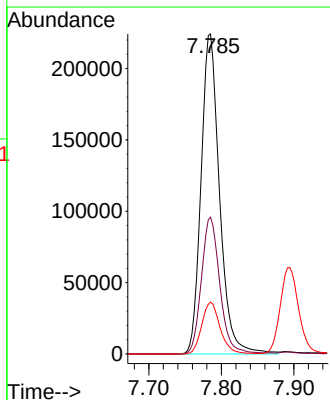
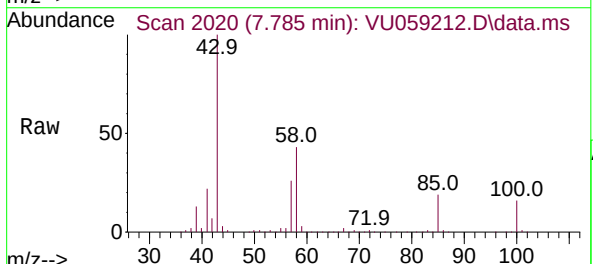
Instrument :
 MSVOA_U
 ClientSampleId :

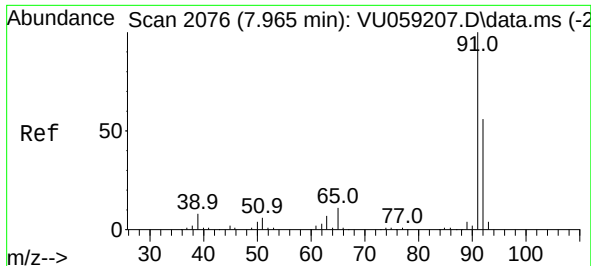
Tgt Ion: 75 Resp: 103563
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 49.941 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

Tgt Ion: 43 Resp: 398363
 Ion Ratio Lower Upper
 43 100
 58 42.5 34.0 51.0
 100 16.1 12.1 18.1





#42

Toluene

Concen: 5.314 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

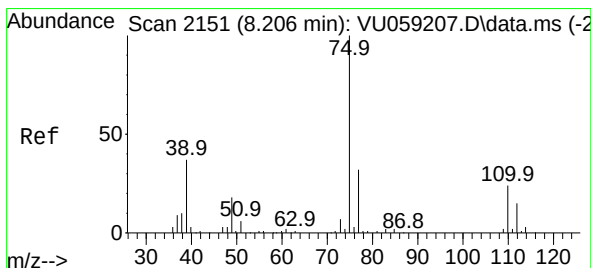
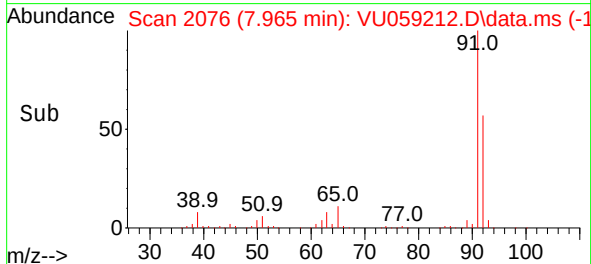
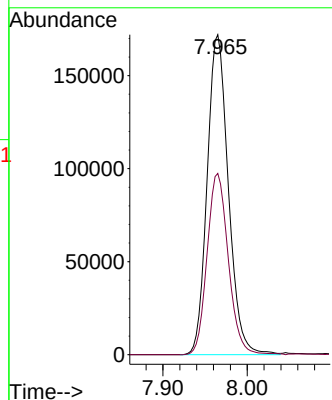
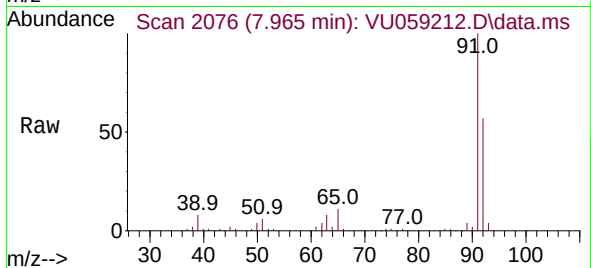
ClientSampleId :

Tgt Ion: 91 Resp: 301344

Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.751 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU059212.D

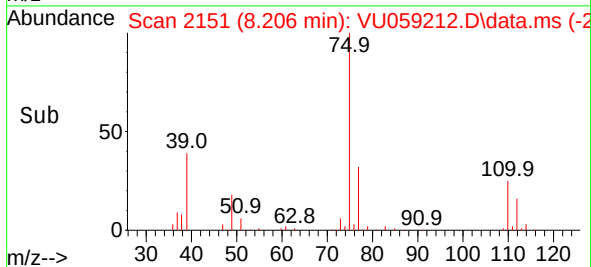
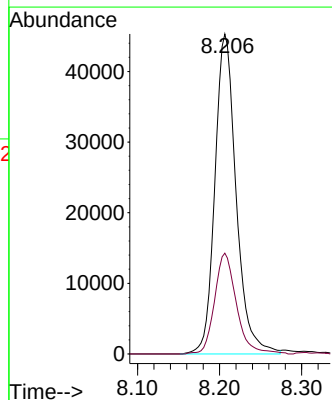
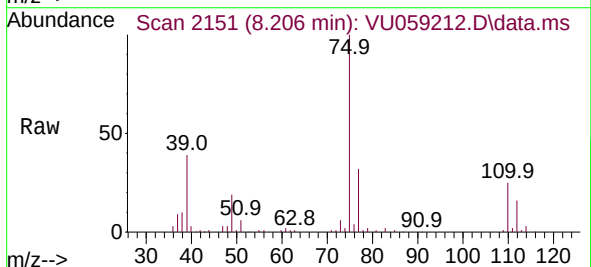
Acq: 11 Jun 2024 13:19

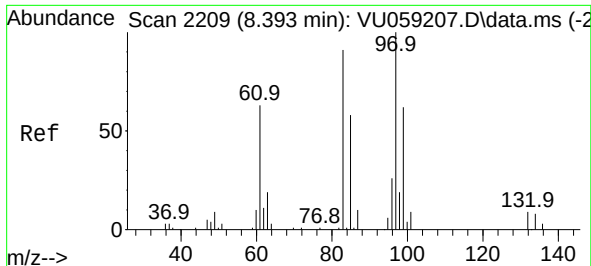
Tgt Ion: 75 Resp: 81543

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.041 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 54726

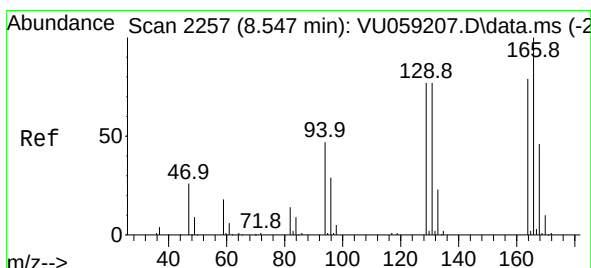
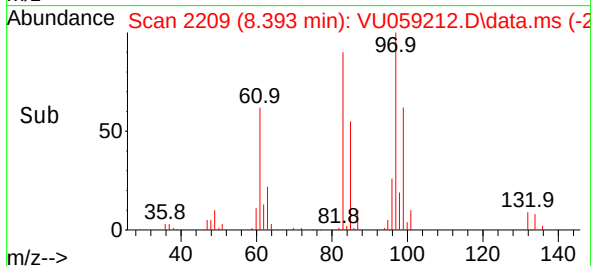
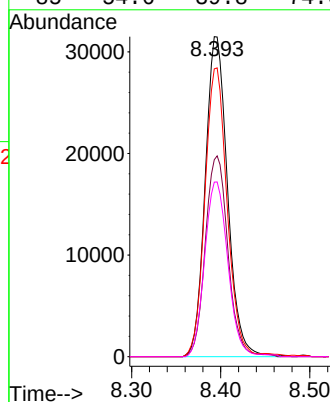
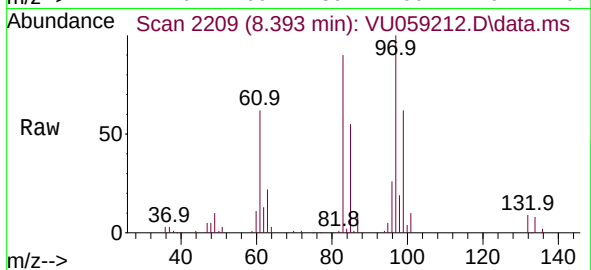
Ion Ratio Lower Upper

97 100

99 61.6 43.3 80.3

83 90.0 62.3 115.7

85 54.6 39.8 74.0



#47

Tetrachloroethene

Concen: 5.087 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Tgt Ion: 164 Resp: 52126

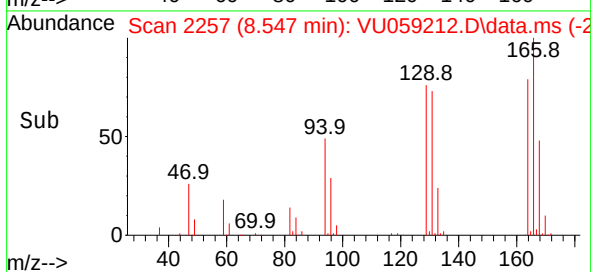
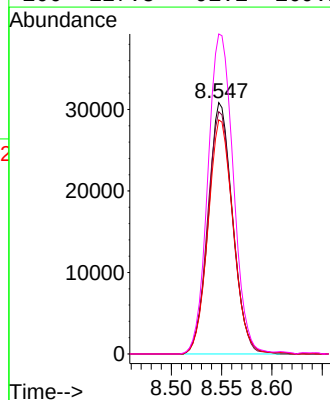
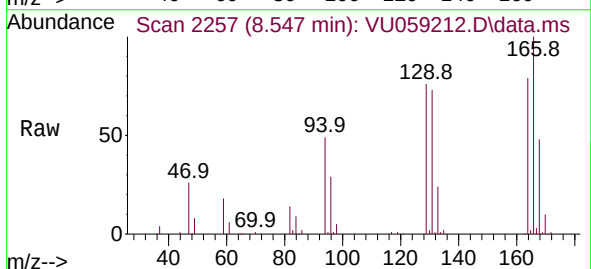
Ion Ratio Lower Upper

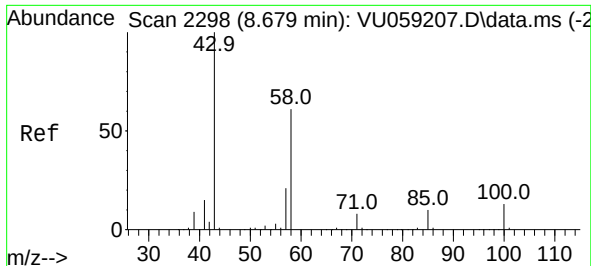
164 100

129 96.3 70.8 131.4

131 93.1 64.8 120.3

166 127.3 91.1 169.1

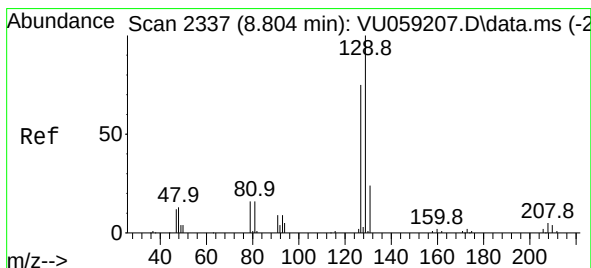
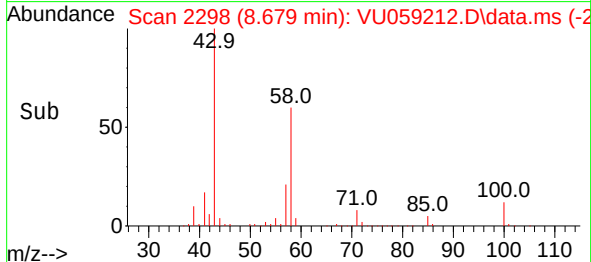
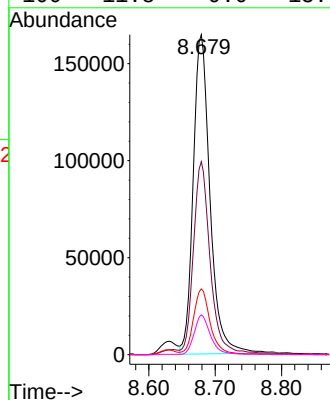
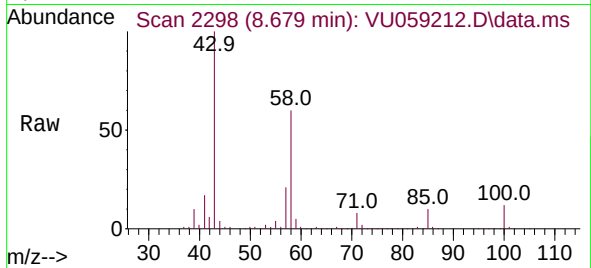




#48
2-Hexanone
Concen: 50.447 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

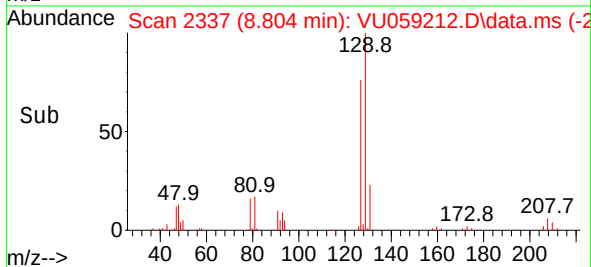
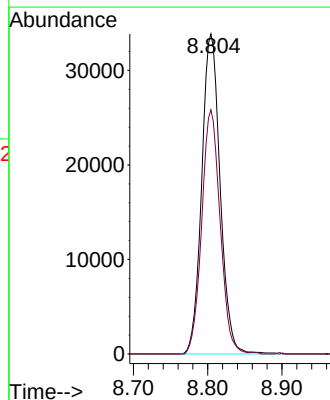
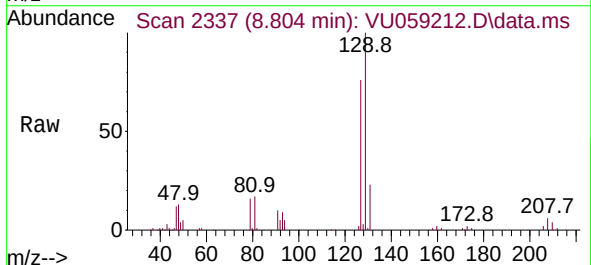
Instrument :
MSVOA_U
ClientSampleId :

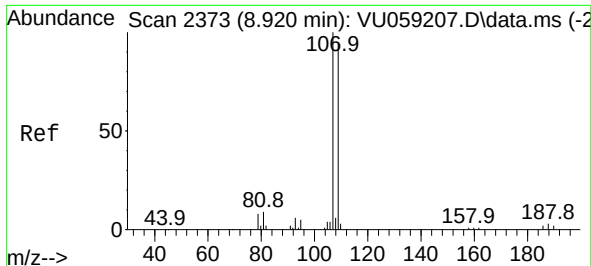
Tgt Ion: 43 Resp: 289986
Ion Ratio Lower Upper
43 100
58 59.1 46.1 69.1
57 20.3 15.5 23.3
100 11.8 9.0 13.6



#49
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion:129 Resp: 58312
Ion Ratio Lower Upper
129 100
127 76.3 52.5 97.5





#50

1,2-Dibromoethane

Concen: 5.091 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

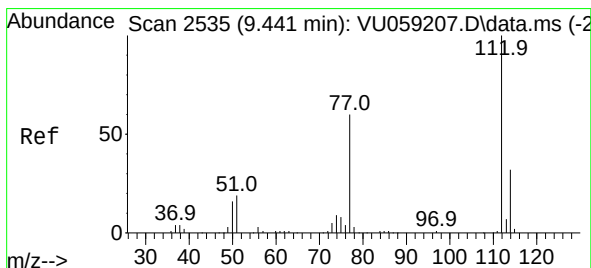
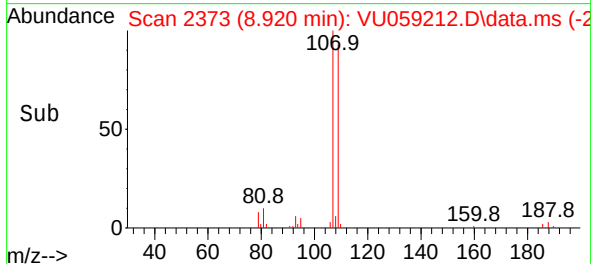
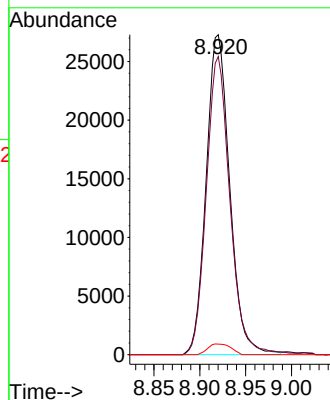
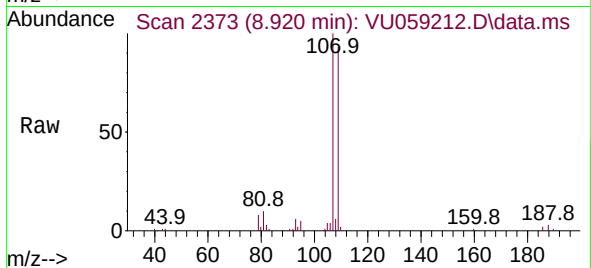
Tgt Ion:107 Resp: 48844

Ion Ratio Lower Upper

107 100

109 93.2 66.9 124.3

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 5.171 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

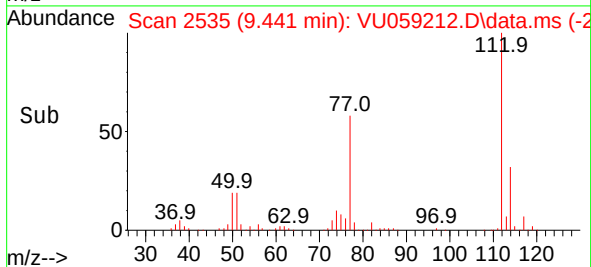
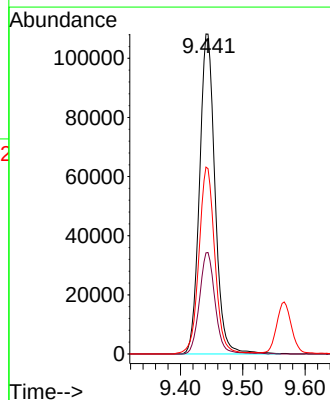
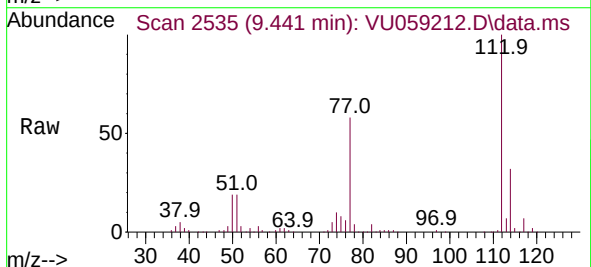
Tgt Ion:112 Resp: 186858

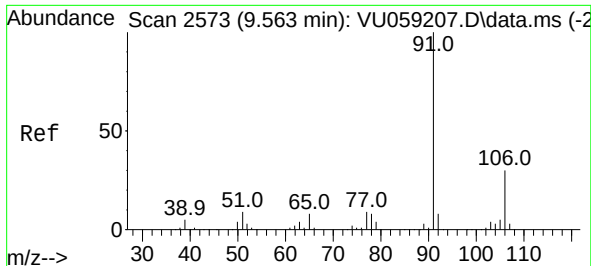
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 58.4 49.1 73.7





#52

Ethylbenzene

Concen: 5.174 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

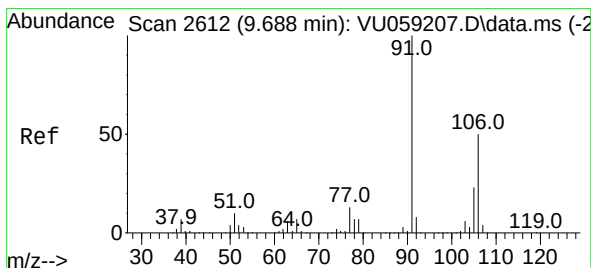
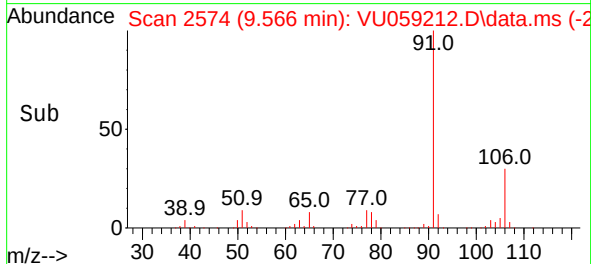
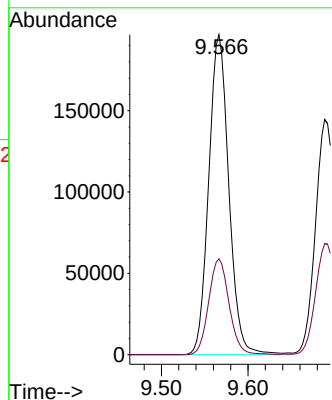
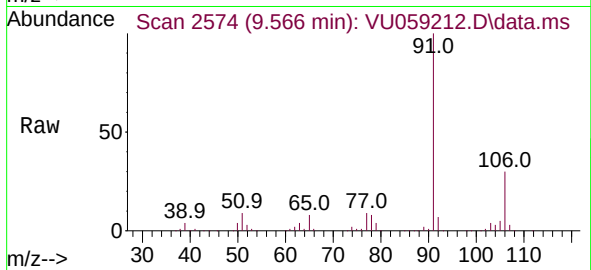
ClientSampleId :

Tgt Ion: 91 Resp: 316754

Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



#53

m,p-Xylene

Concen: 5.291 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059212.D

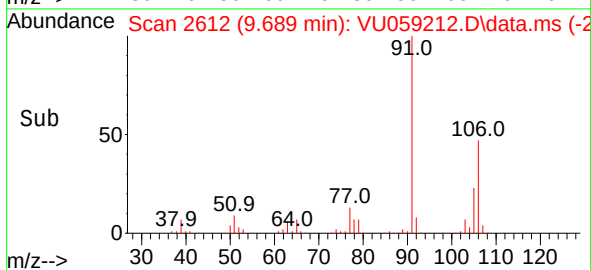
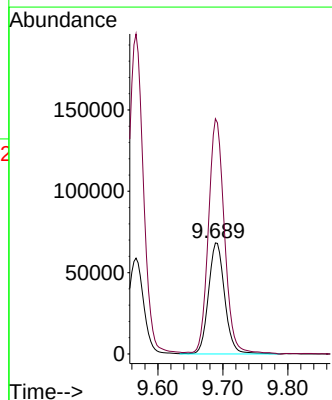
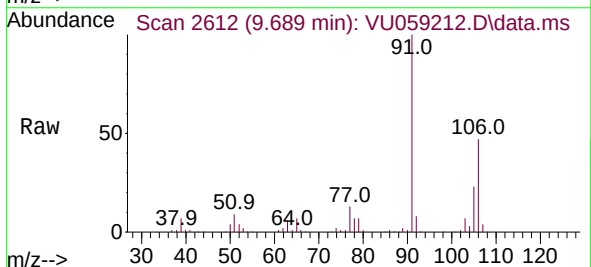
Acq: 11 Jun 2024 13:19

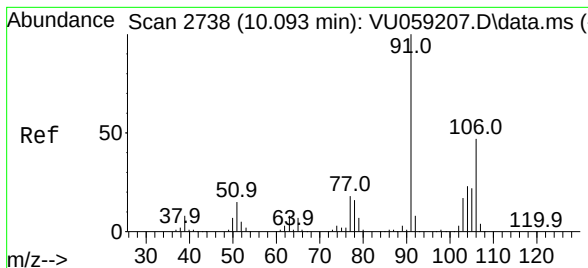
Tgt Ion:106 Resp: 118543

Ion Ratio Lower Upper

106 100

91 211.8 142.0 263.8





#54

o-Xylene

Concen: 5.306 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

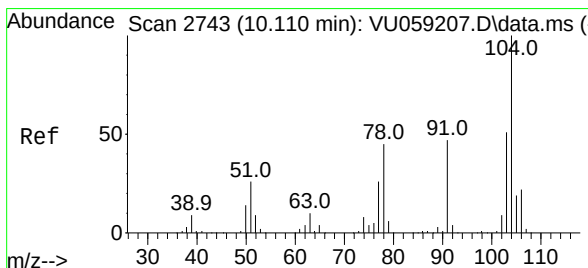
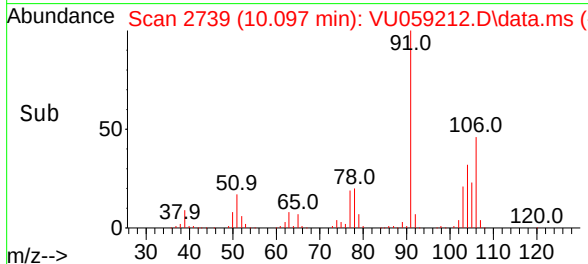
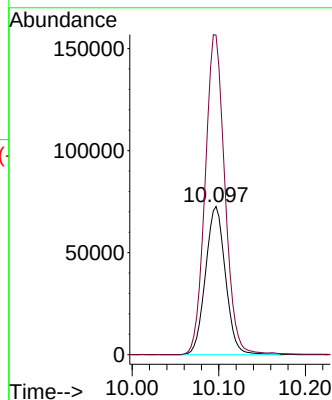
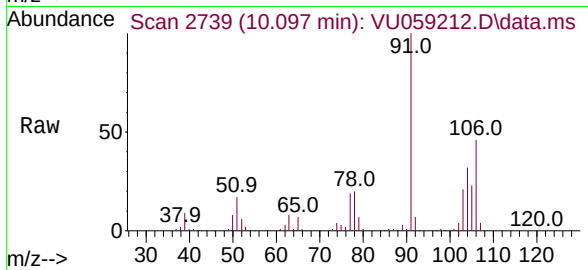
ClientSampleId :

Tgt Ion:106 Resp: 116281

Ion Ratio Lower Upper

106 100

91 215.7 151.6 281.6



#55

Styrene

Concen: 5.386 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU059212.D

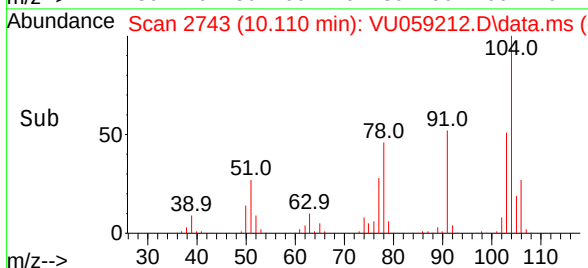
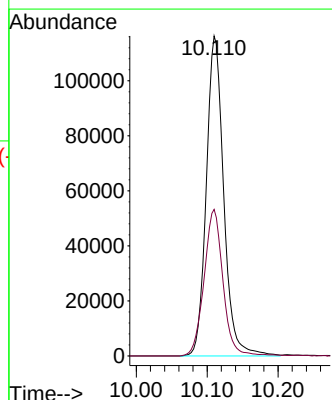
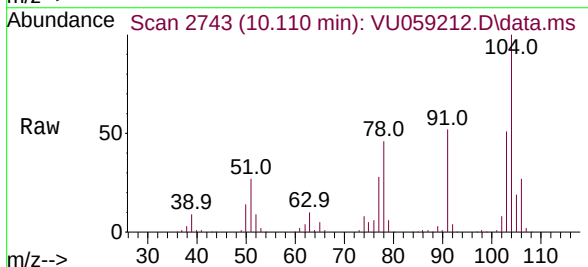
Acq: 11 Jun 2024 13:19

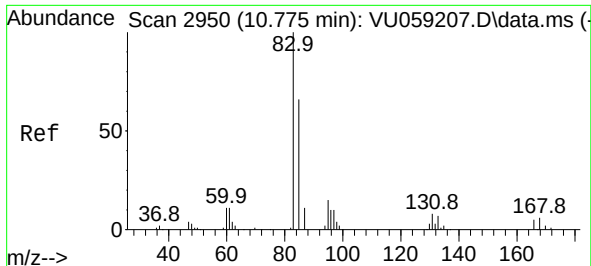
Tgt Ion:104 Resp: 198580

Ion Ratio Lower Upper

104 100

78 45.8 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.921 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

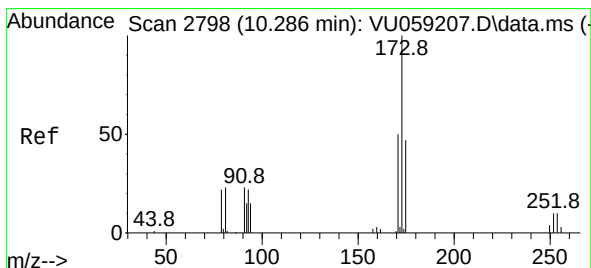
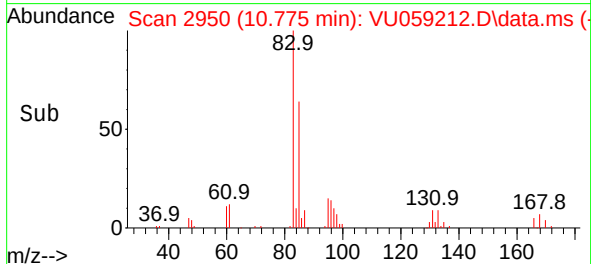
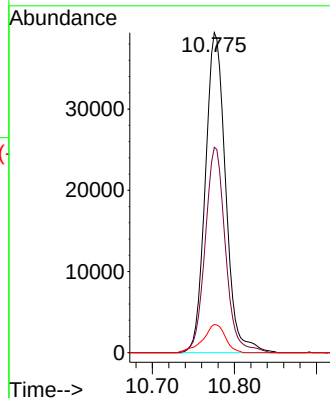
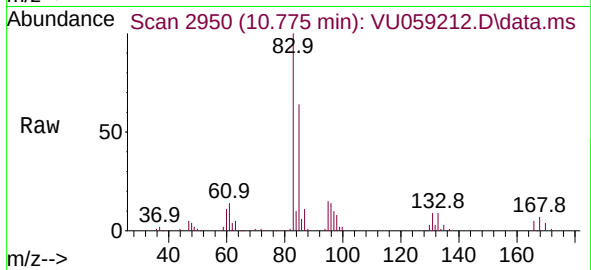
Tgt Ion: 83 Resp: 67737

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

131 8.8 6.9 10.3



#59

Bromoform

Concen: 4.769 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

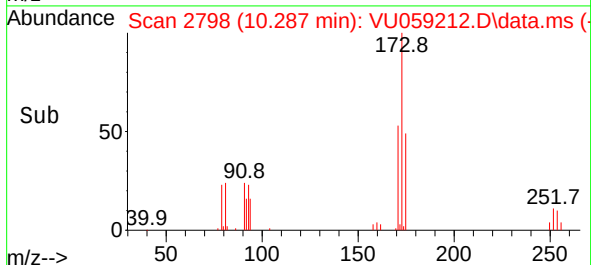
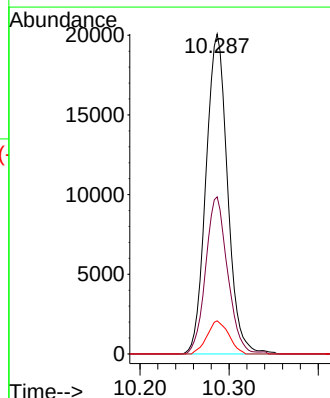
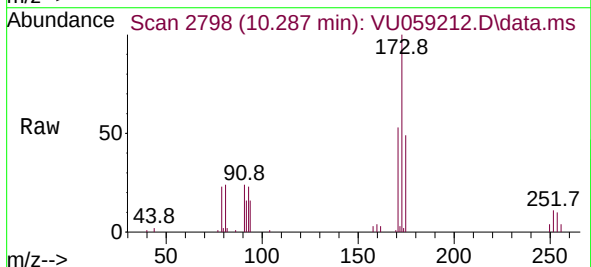
Tgt Ion:173 Resp: 33754

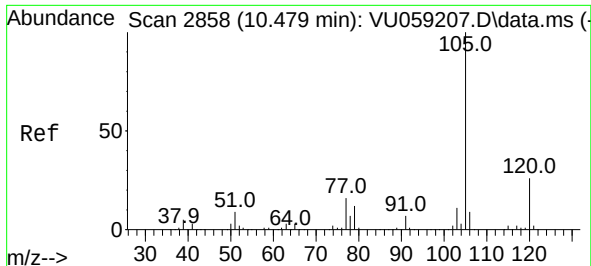
Ion Ratio Lower Upper

173 100

175 50.0 39.4 59.2

254 10.4 7.4 11.2

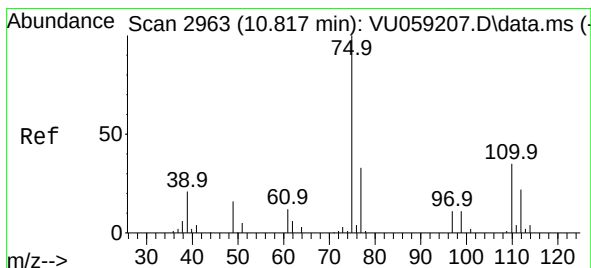
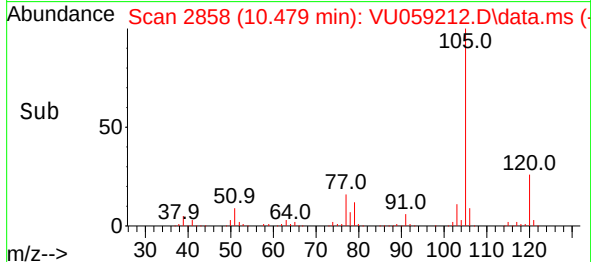
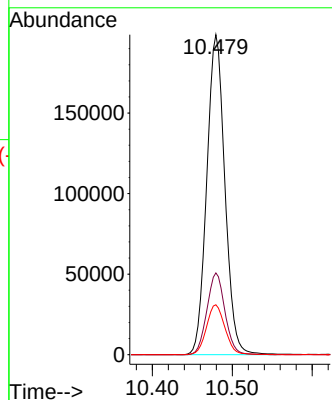
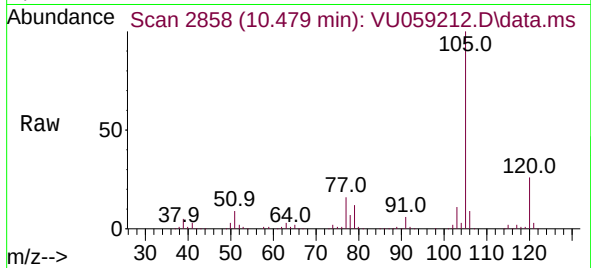




#60
Isopropylbenzene
Concen: 5.052 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

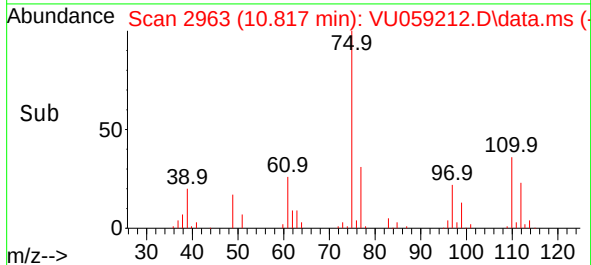
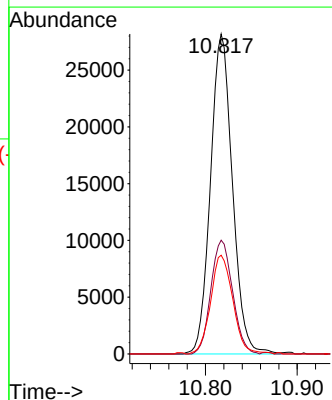
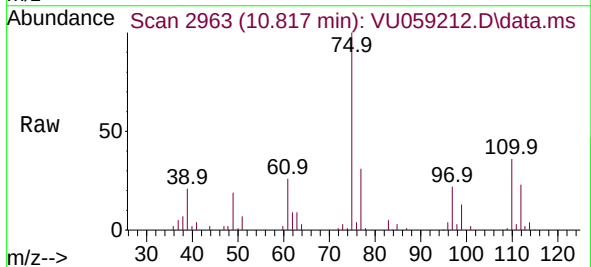
Instrument :
MSVOA_U
ClientSampleId :

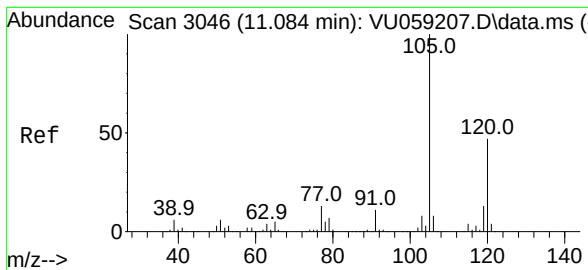
Tgt Ion:105 Resp: 313319
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0
77 15.9 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.698 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

Tgt Ion: 75 Resp: 46863
Ion Ratio Lower Upper
75 100
110 35.1 27.1 40.7
77 31.3 25.4 38.2

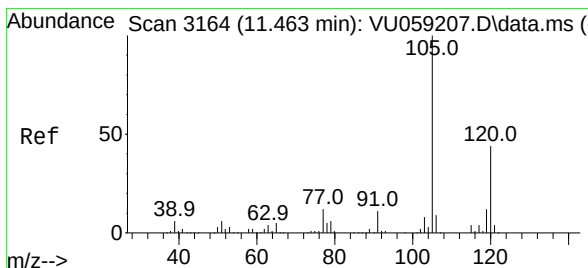
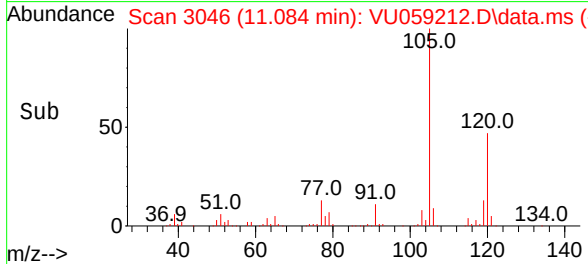
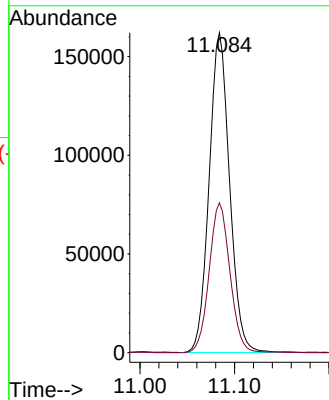
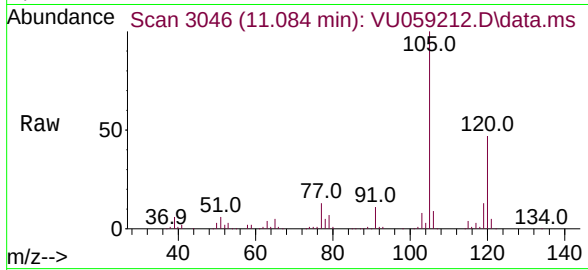




#62
1,3,5-Trimethylbenzene
Concen: 4.922 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

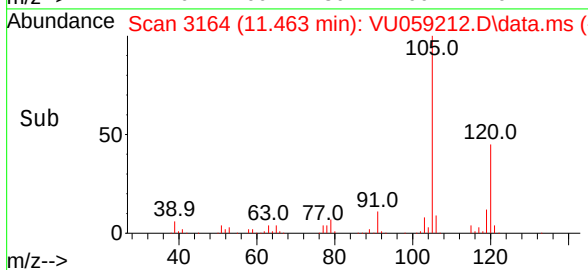
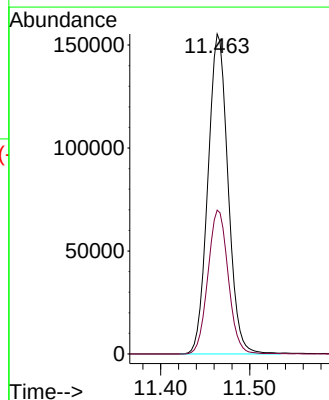
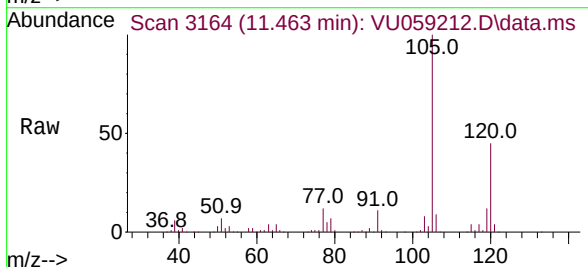
Instrument :
MSVOA_U
ClientSampleId :

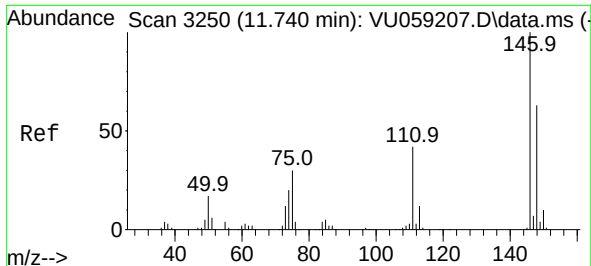
Tgt Ion:105 Resp: 243260
Ion Ratio Lower Upper
105 100
120 47.7 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 4.969 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

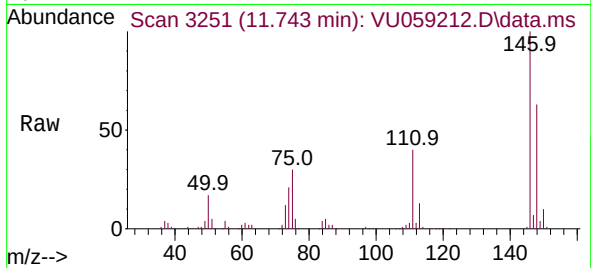
Tgt Ion:105 Resp: 243514
Ion Ratio Lower Upper
105 100
120 45.3 35.4 53.0



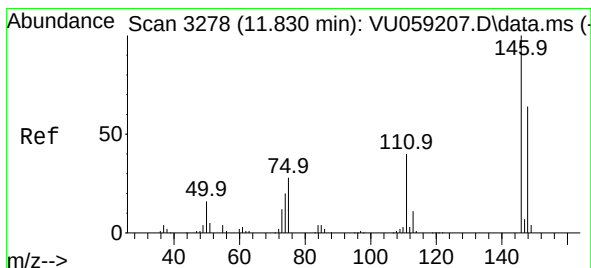
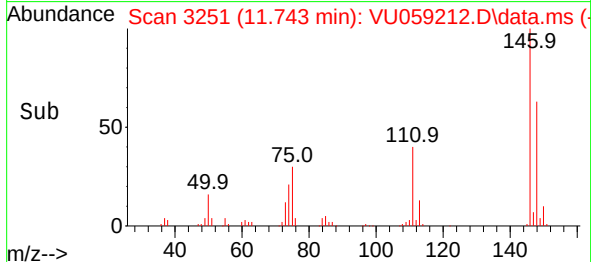
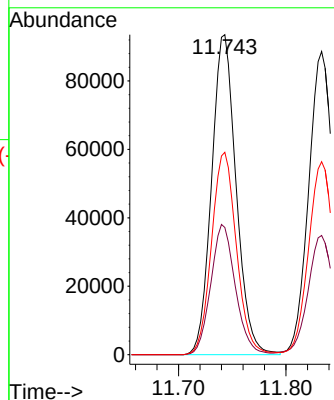


#64
 1,3-Dichlorobenzene
 Concen: 4.921 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

Instrument :
 MSVOA_U
 ClientSampleId :

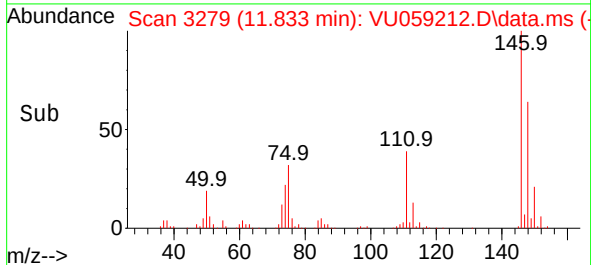
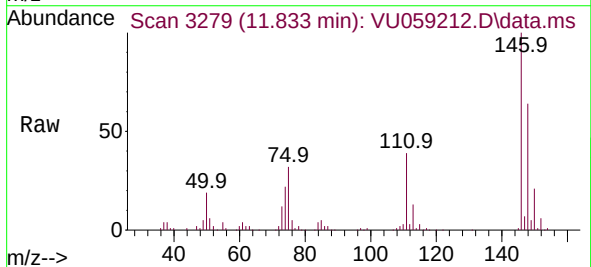
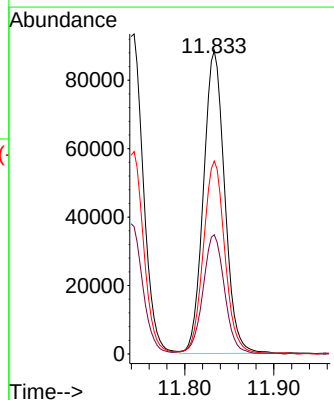


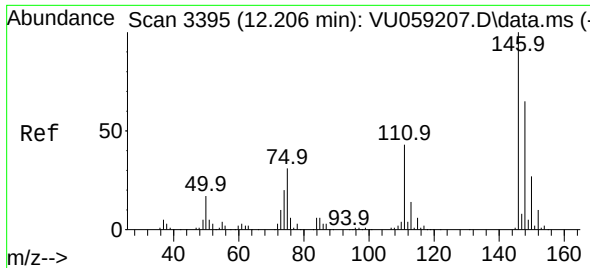
Tgt Ion:146 Resp: 148488
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.4 51.0
 148 63.3 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 4.862 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.003 min
 Lab File: VU059212.D
 Acq: 11 Jun 2024 13:19

Tgt Ion:146 Resp: 146428
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.9 50.1
 148 63.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.856 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :

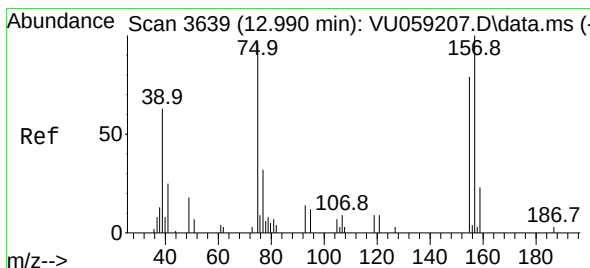
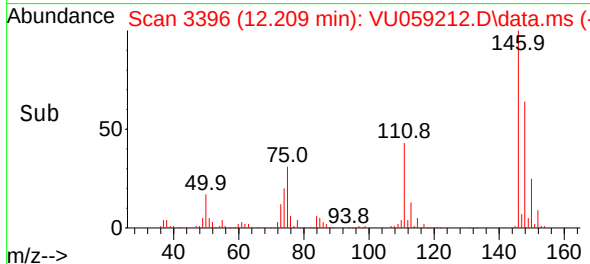
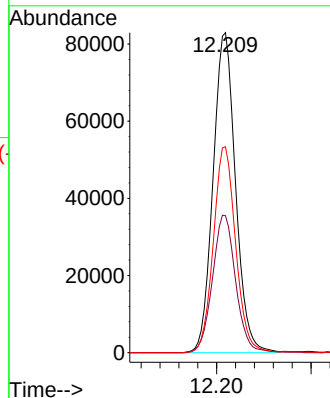
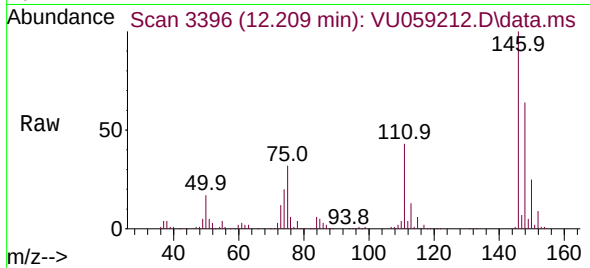
Tgt Ion:146 Resp: 136943

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.0

148 64.3 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.576 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

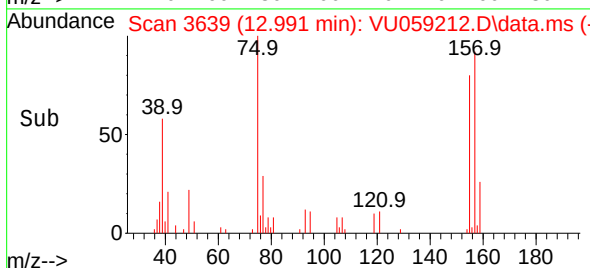
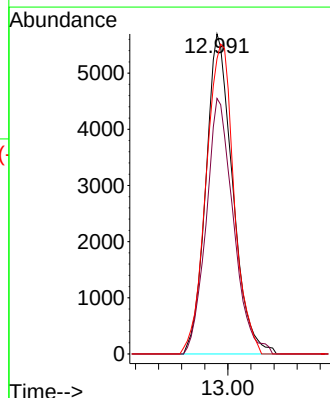
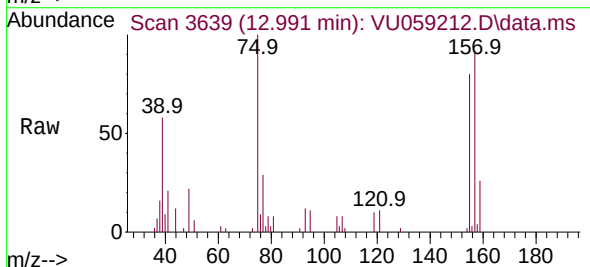
Tgt Ion: 75 Resp: 9182

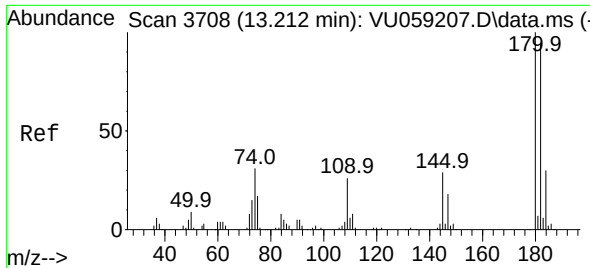
Ion Ratio Lower Upper

75 100

155 79.9 58.2 87.2

157 92.3 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 4.837 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

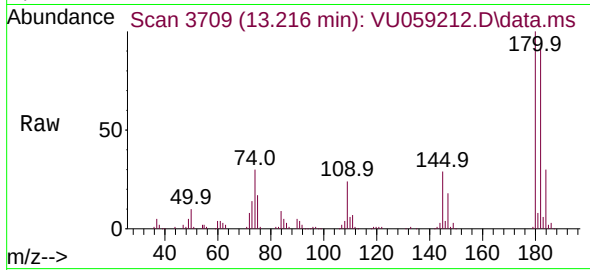
Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 109428

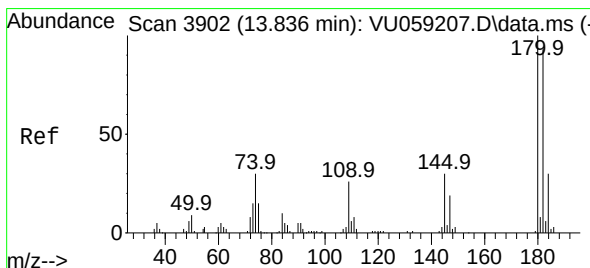
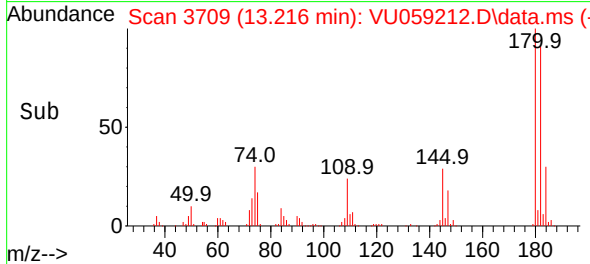
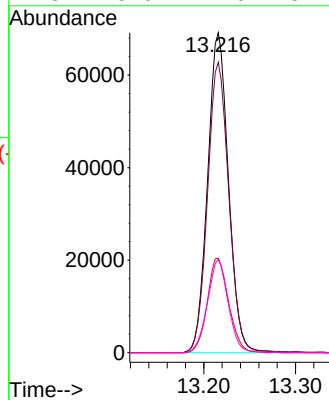
Ion Ratio Lower Upper

180 100

182 92.5 75.4 113.0

184 30.2 23.0 34.6

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.337 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU059212.D

Acq: 11 Jun 2024 13:19

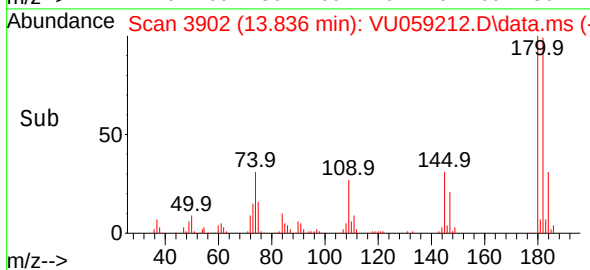
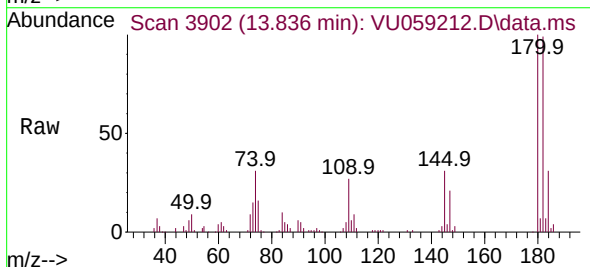
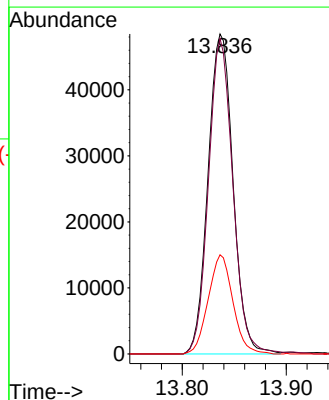
Tgt Ion:180 Resp: 80979

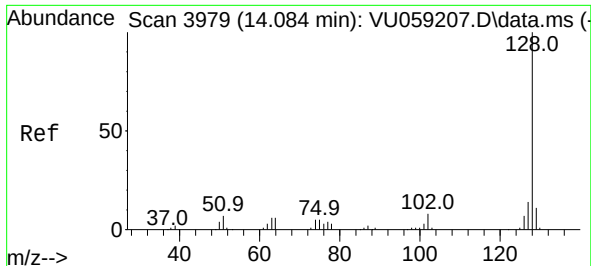
Ion Ratio Lower Upper

180 100

182 95.8 74.9 112.3

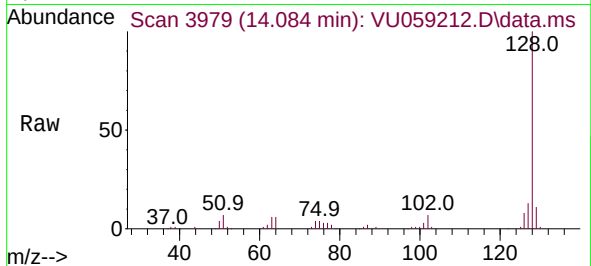
145 30.6 23.9 35.9



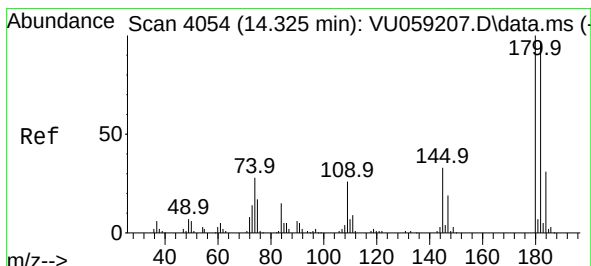
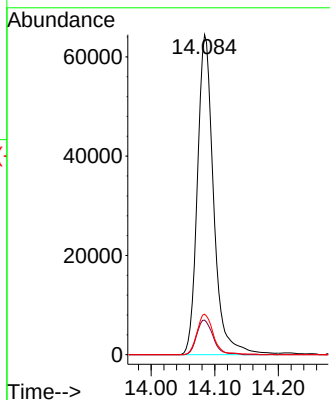
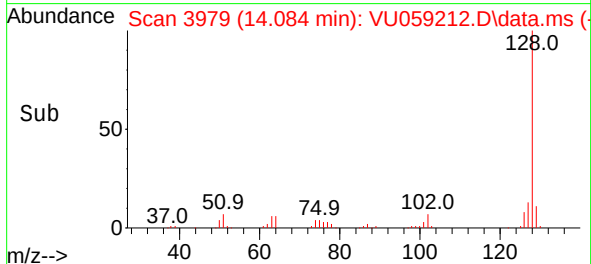


#71
Naphthalene
Concen: 4.063 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19

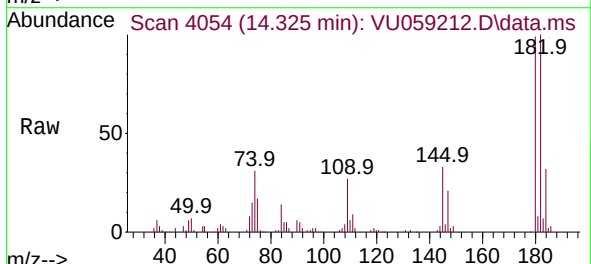
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 114330
Ion Ratio Lower Upper
128 100
129 10.7 8.2 12.4
127 12.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.365 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU059212.D
Acq: 11 Jun 2024 13:19



Tgt Ion:180 Resp: 71522
Ion Ratio Lower Upper
180 100
182 99.3 77.0 115.6
145 32.8 26.2 39.4

