

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
 Data File : VU059052.D
 Acq On : 29 May 2024 15:04
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:30:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:25:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	185807	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	187244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91352	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53846	48.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.800%
7) Chloroethane-d5	1.882	69	47685	50.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.080%
11) 1,1-Dichloroethene-d2	2.557	63	102781	46.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
21) 2-Butanone-d5	4.608	46	125414	119.601	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.600%
24) Chloroform-d	5.052	84	118313	53.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.840%
26) 1,2-Dichloroethane-d4	5.692	65	76722	56.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.040%
32) Benzene-d6	5.717	84	219890	51.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.340%
36) 1,2-Dichloropropane-d6	6.682	67	78484	52.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.940%
41) Toluene-d8	7.891	98	187339	51.351	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.700%
43) trans-1,3-Dichloroprop...	8.174	79	32851	54.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.700%
47) 2-Hexanone-d5	8.624	63	81478	118.908	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.910%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	135264	53.937	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.880%
66) 1,2-Dichlorobenzene-d4	12.187	152	72236	52.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	84037	44.638	ug/L	98
3) Chloromethane	1.515	50	101887	46.827	ug/L	99
5) Vinyl chloride	1.599	62	98954	46.283	ug/L	99
6) Bromomethane	1.824	94	83995	49.106	ug/L	97
8) Chloroethane	1.907	64	61584	46.191	ug/L	97
9) Trichlorofluoromethane	2.119	101	110624	44.464	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	65997	45.593	ug/L	98
12) 1,1-Dichloroethene	2.566	96	61315	46.702	ug/L	98
13) Acetone	2.615	43	103626	84.075	ug/L	98
14) Carbon disulfide	2.779	76	204977	46.357	ug/L	99
15) Methyl Acetate	2.936	43	107573	55.099	ug/L	97
16) Methylene chloride	3.033	84	87836	49.445	ug/L	99
17) trans-1,2-Dichloroethene	3.338	96	67895	47.913	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	247260	53.717	ug/L	99
19) 1,1-Dichloroethane	3.853	63	150481	49.542	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	81763	50.634	ug/L	100
22) 2-Butanone	4.688	43	148466	99.494	ug/L	99
23) Bromochloromethane	4.962	128	41551	50.799	ug/L	97
25) Chloroform	5.074	83	147070	50.005	ug/L	100

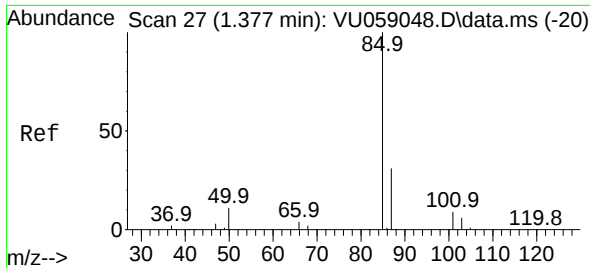
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052924\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	127518	51.324	ug/L	99
29) Cyclohexane	5.377	56	110223	44.093	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	111857	45.946	ug/L	98
31) Carbon tetrachloride	5.512	117	88908	44.960	ug/L	99
33) Benzene	5.762	78	324151	47.942	ug/L	100
34) Trichloroethene	6.534	95	78093	47.170	ug/L	99
35) Methylcyclohexane	6.756	83	108631	44.627	ug/L	98
37) 1,2-Dichloropropane	6.782	63	94212	49.071	ug/L	99
38) Bromodichloromethane	7.097	83	109973	49.174	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	136516	51.391	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	273963	108.845	ug/L	100
42) Toluene	7.962	91	329952	48.617	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	126374	52.549	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	87276	50.559	ug/L	98
46) Tetrachloroethene	8.544	164	50279	45.595	ug/L	95
48) 2-Hexanone	8.675	43	224134	105.583	ug/L	99
49) Dibromochloromethane	8.801	129	77864	49.912	ug/L	97
50) 1,2-Dibromoethane	8.917	107	91690	51.493	ug/L	96
51) Chlorobenzene	9.441	112	199043	48.592	ug/L	99
52) Ethylbenzene	9.563	91	335905	48.008	ug/L	100
53) m,p-Xylene	9.688	106	124278	48.329	ug/L	100
54) o-Xylene	10.093	106	126781	50.872	ug/L	97
55) Styrene	10.106	104	217828	51.422	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	162638	51.720	ug/L	96
59) Bromoform	10.283	173	61142	51.047	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	128265	50.490	ug/L	99
61) Isopropylbenzene	10.476	105	311062	48.400	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	230251	49.447	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	259159	51.341	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	146340	48.719	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	148414	47.842	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	156459	49.836	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	35798	55.585	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	97427	49.112	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	81891	51.685	ug/L	98
71) Naphthalene	14.080	128	272115	54.259	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	85942	53.353	ug/L	98

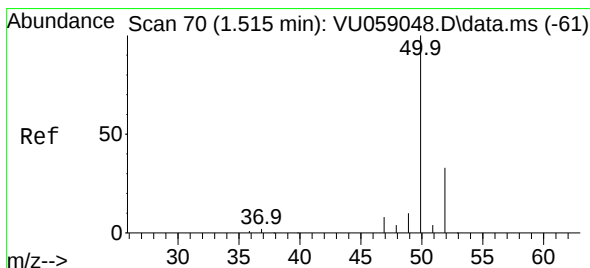
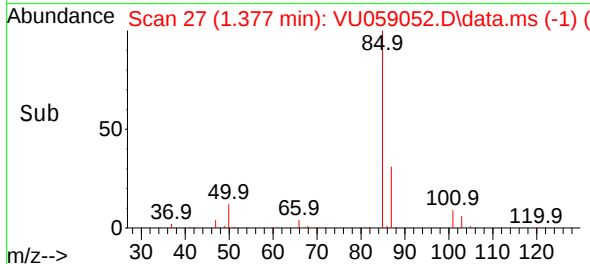
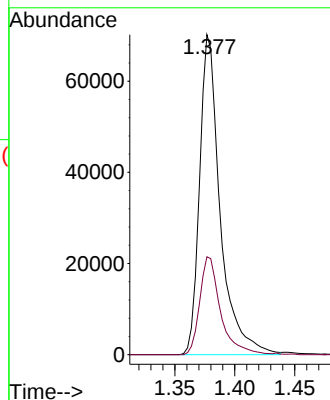
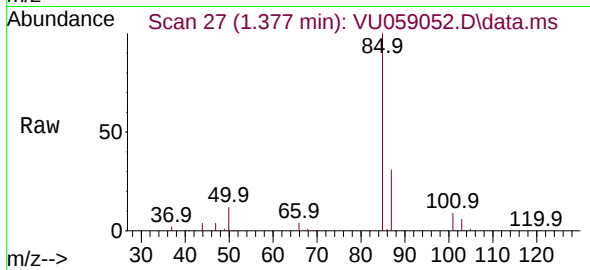
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#2
 Dichlorodifluoromethane
 Concen: 44.638 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

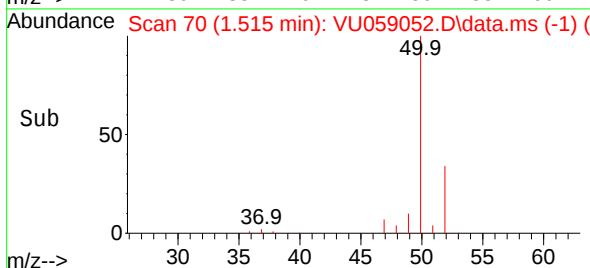
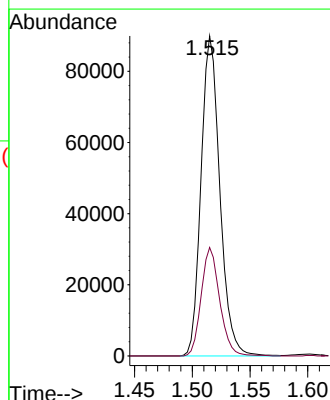
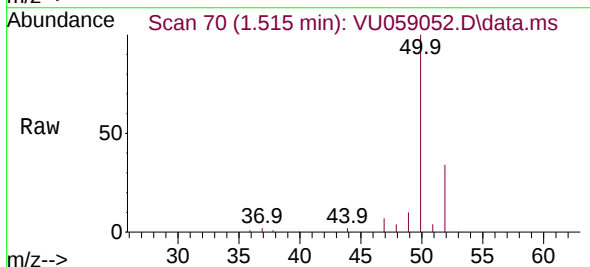
Instrument :
 MSVOA_U
 ClientSampleId :

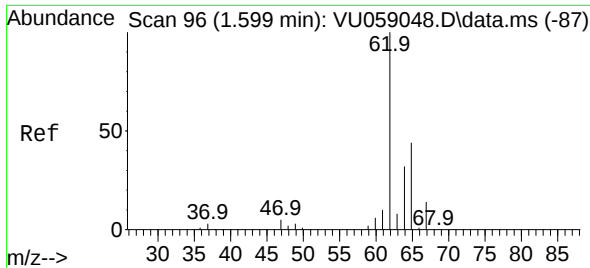
Tgt Ion: 85 Resp: 84037
 Ion Ratio Lower Upper
 85 100
 87 30.9 25.4 38.2



#3
 Chloromethane
 Concen: 46.827 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

Tgt Ion: 50 Resp: 101887
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.2 43.2

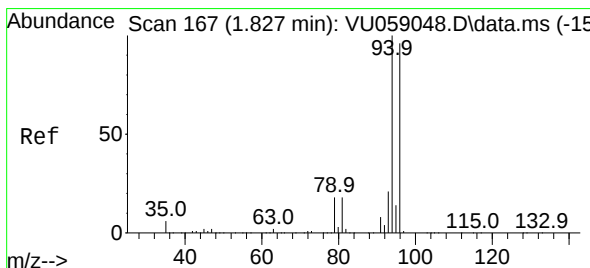
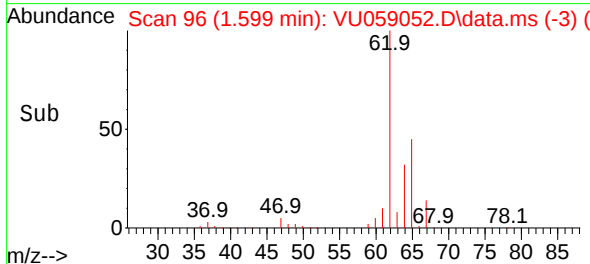
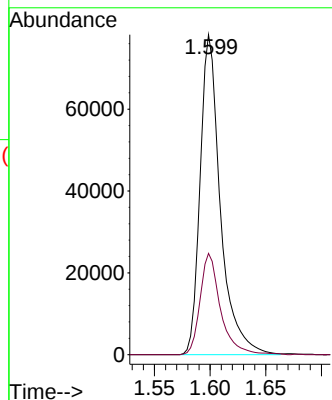
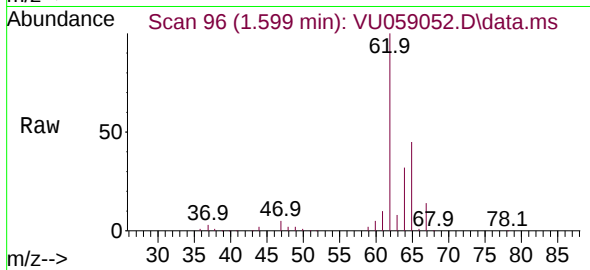




#5
 Vinyl chloride
 Concen: 46.283 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

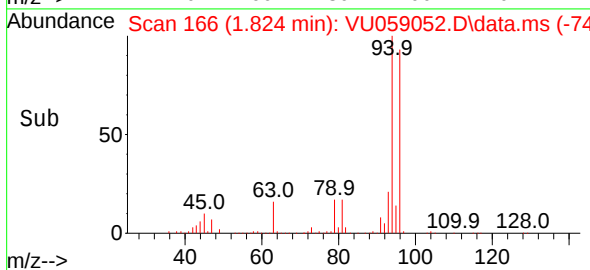
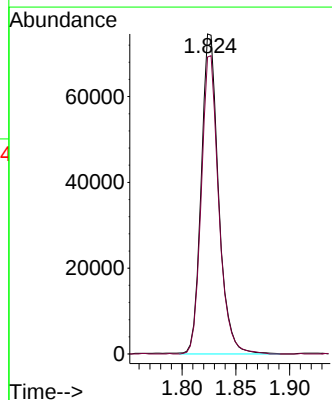
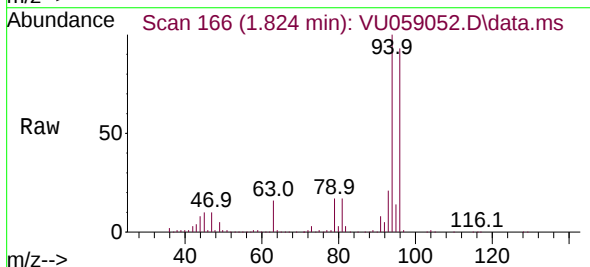
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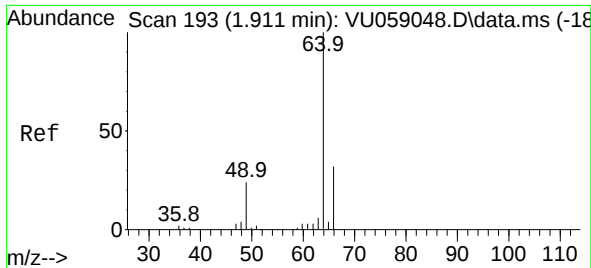
Tgt Ion: 62 Resp: 98954
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.5 41.7



#6
 Bromomethane
 Concen: 49.106 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.003 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

Tgt Ion: 94 Resp: 83995
 Ion Ratio Lower Upper
 94 100
 96 92.8 67.1 124.7

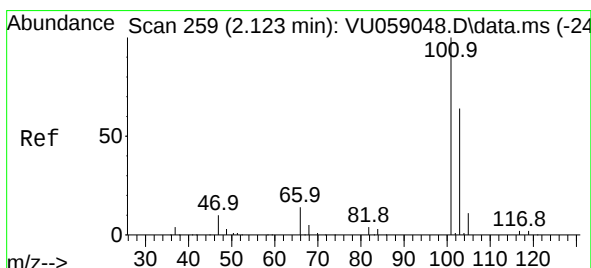
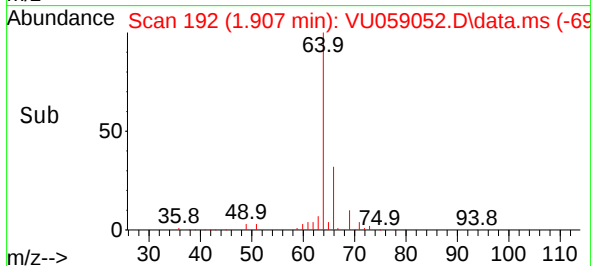
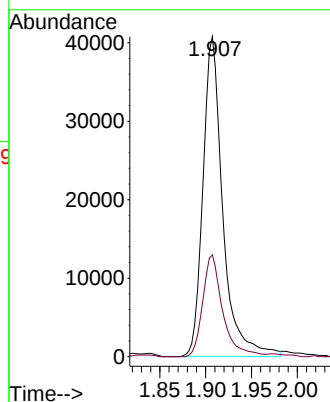
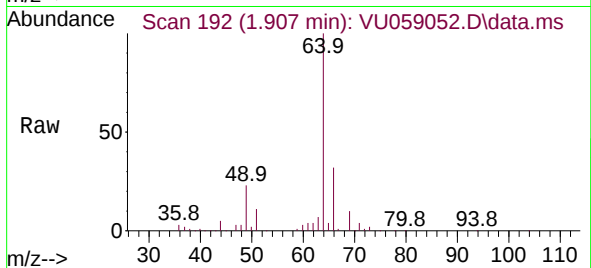




#8
Chloroethane
Concen: 46.191 ug/L
RT: 1.907 min Scan# 193
Delta R.T. -0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

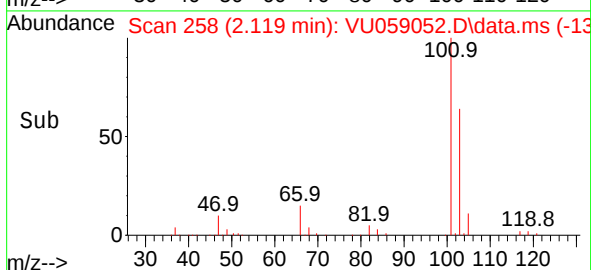
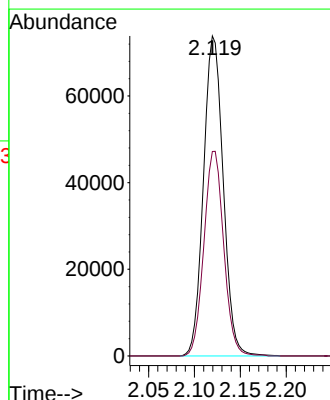
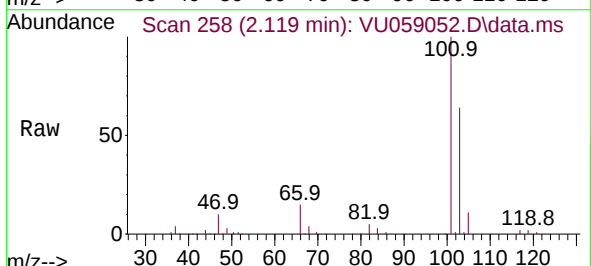
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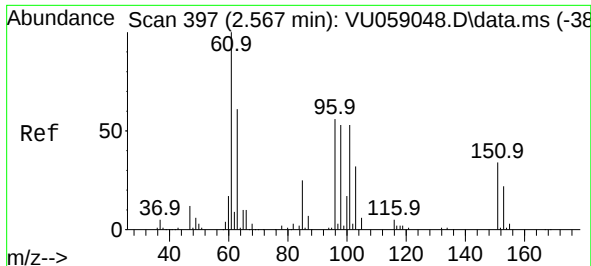
Tgt Ion: 64 Resp: 61584
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.464 ug/L
RT: 2.119 min Scan# 258
Delta R.T. -0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:101 Resp: 110624
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6

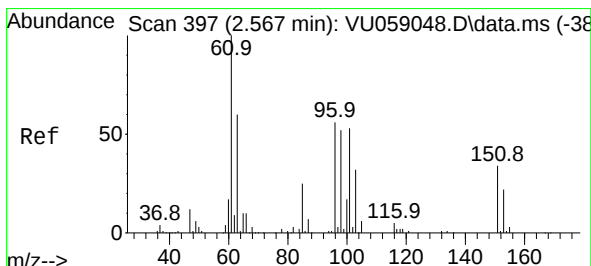
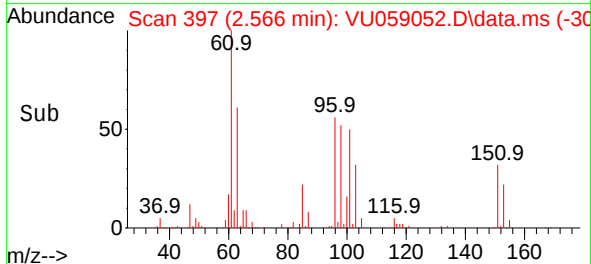
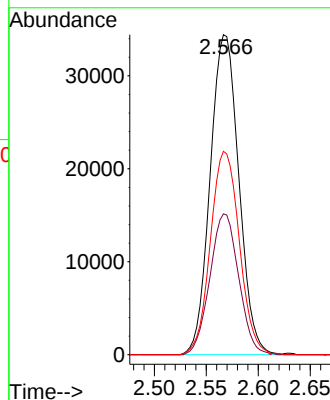
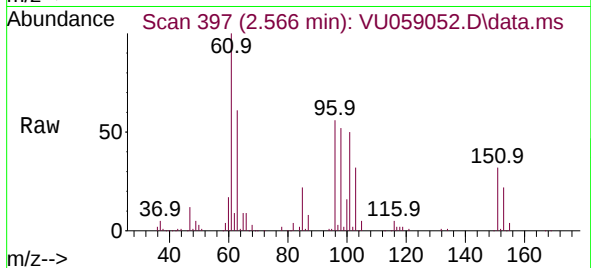




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.593 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

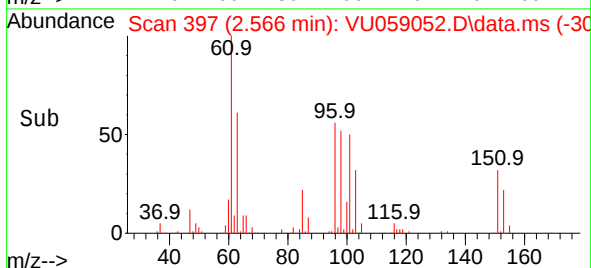
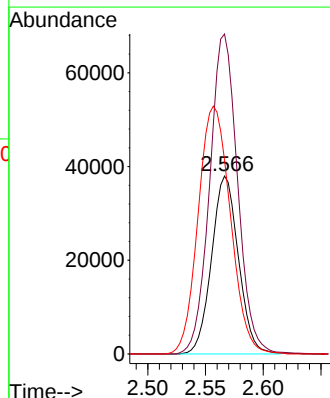
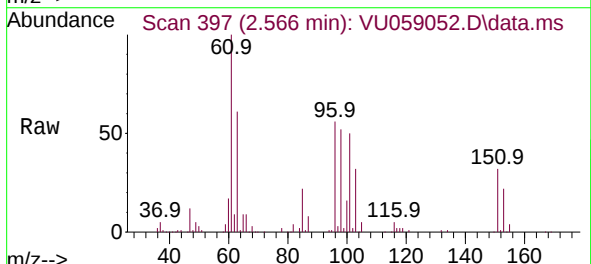
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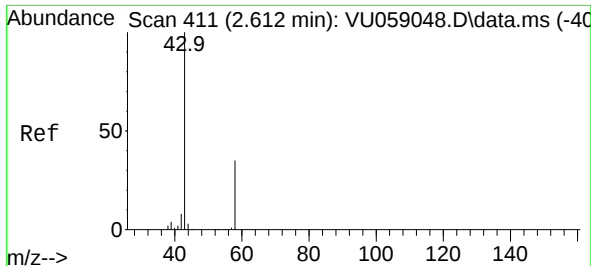
Tgt Ion:101 Resp: 65997
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.7 55.1
 151 64.2 52.2 78.2



#12
 1,1-Dichloroethene
 Concen: 46.702 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

Tgt Ion: 96 Resp: 61315
 Ion Ratio Lower Upper
 96 100
 61 179.8 126.3 234.6
 63 109.1 78.7 146.1





#13

Acetone

Concen: 84.075 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

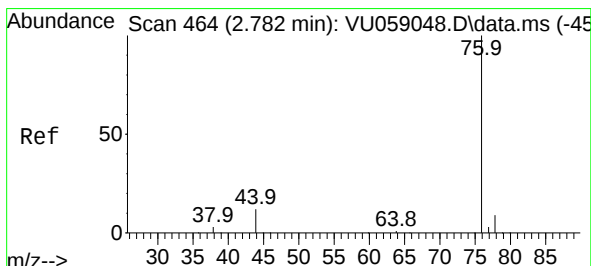
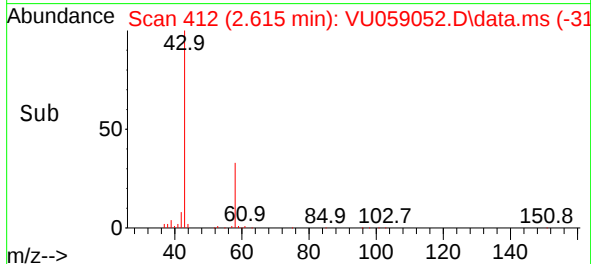
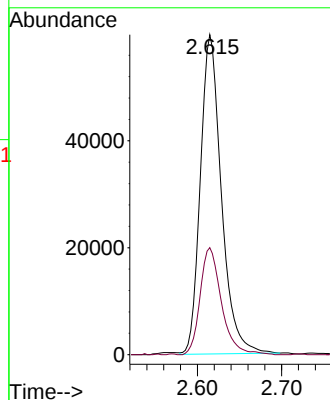
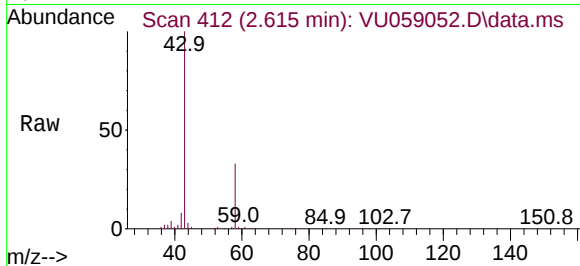
ClientSampleId :

Tgt Ion: 43 Resp: 103626

Ion Ratio Lower Upper

43 100

58 33.5 0.0 68.8



#14

Carbon disulfide

Concen: 46.357 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU059052.D

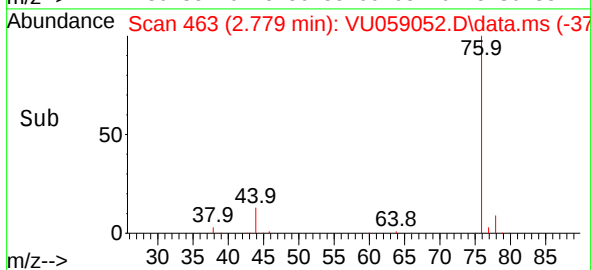
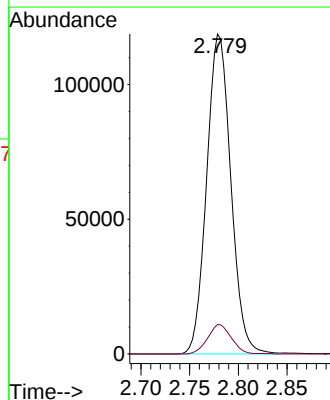
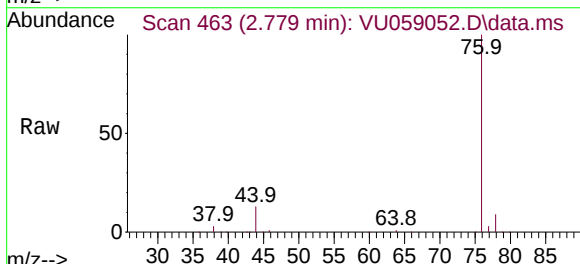
Acq: 29 May 2024 15:04

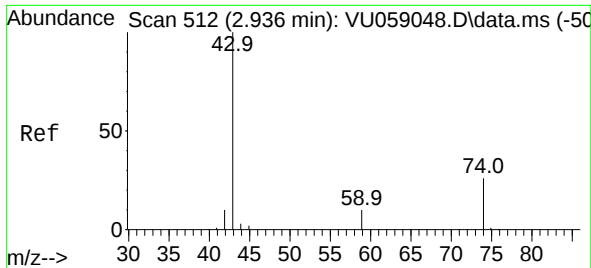
Tgt Ion: 76 Resp: 204977

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 55.099 ug/L

RT: 2.936 min Scan# 512

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

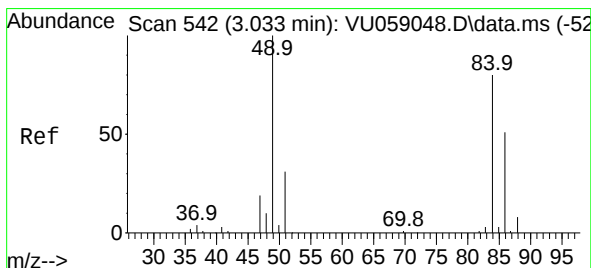
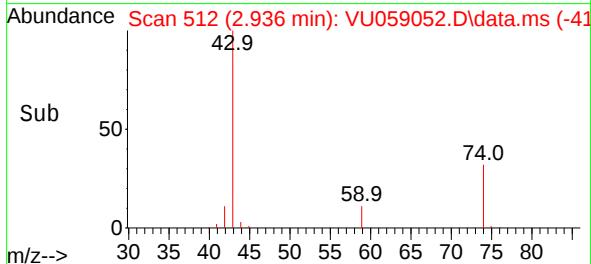
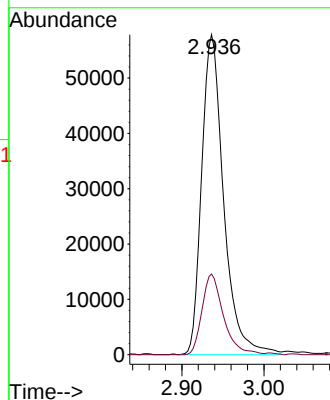
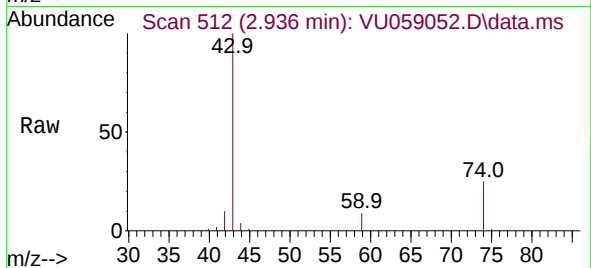
ClientSampleId :

Tgt Ion: 43 Resp: 107573

Ion Ratio Lower Upper

43 100

74 24.5 20.8 31.2



#16

Methylene chloride

Concen: 49.445 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

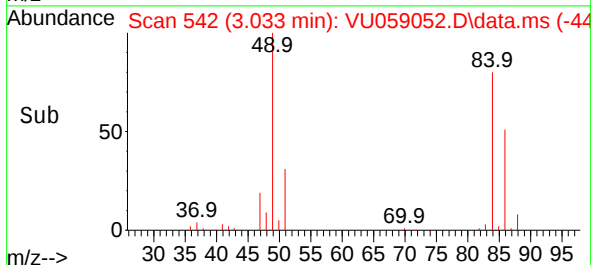
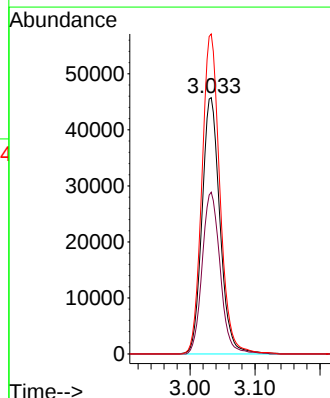
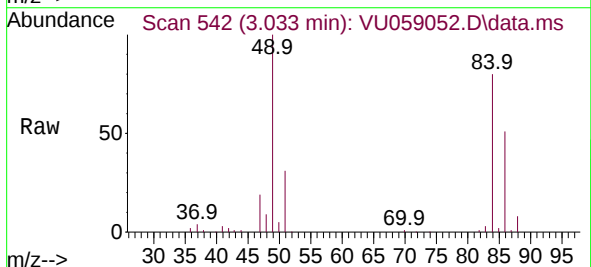
Tgt Ion: 84 Resp: 87836

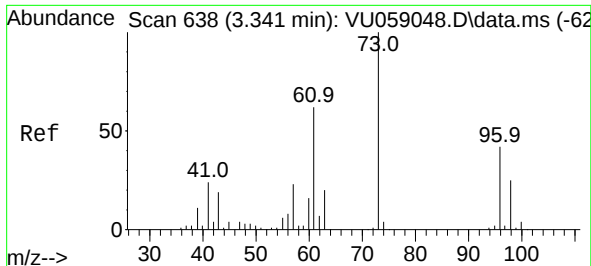
Ion Ratio Lower Upper

84 100

86 63.1 44.9 83.3

49 124.9 87.5 162.5

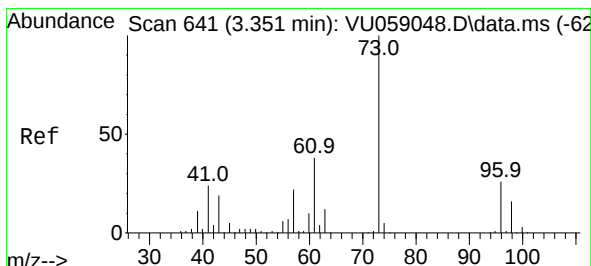
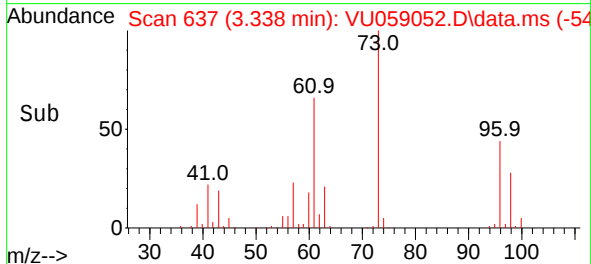
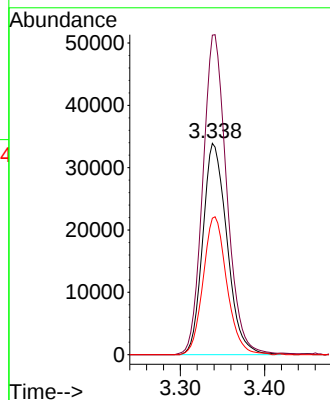
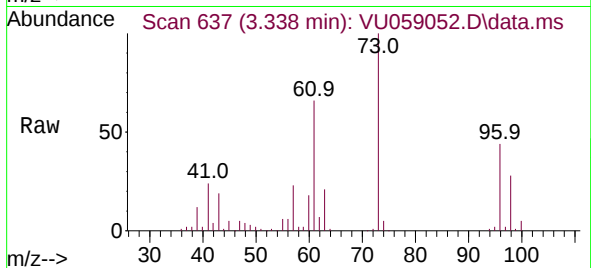




#17
trans-1,2-Dichloroethene
Concen: 47.913 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

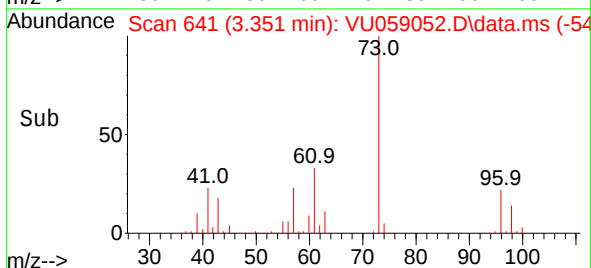
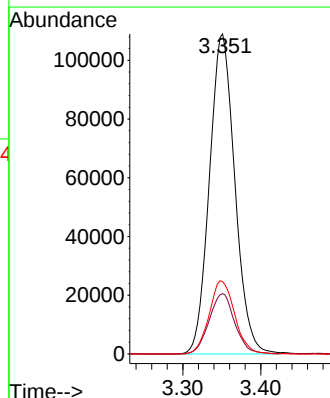
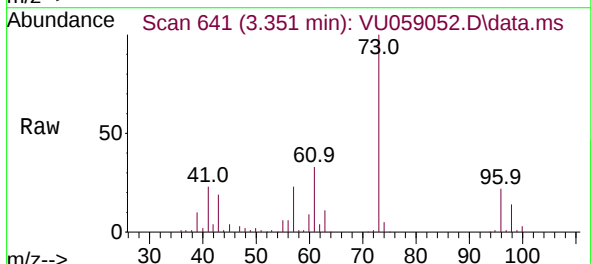
Instrument :
MSVOA_U
ClientSampleId :

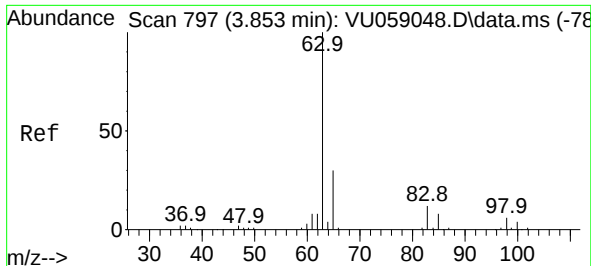
Tgt Ion: 96 Resp: 67895
Ion Ratio Lower Upper
96 100
61 151.2 103.5 192.3
98 64.6 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 53.717 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion: 73 Resp: 247260
Ion Ratio Lower Upper
73 100
43 19.1 15.6 23.4
57 22.9 18.6 28.0





#19

1,1-Dichloroethane

Concen: 49.542 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

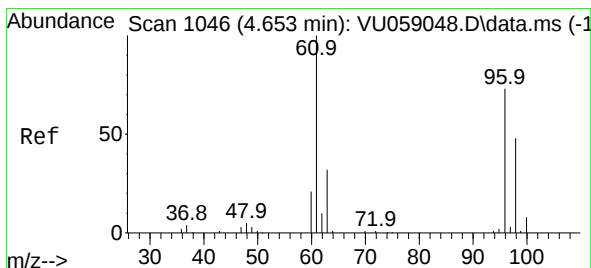
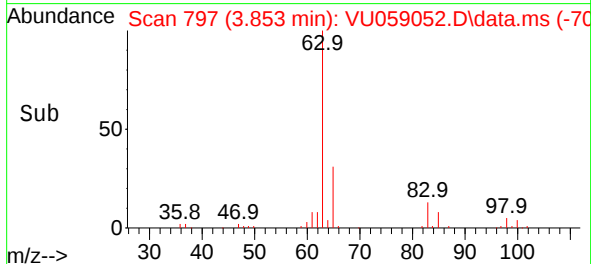
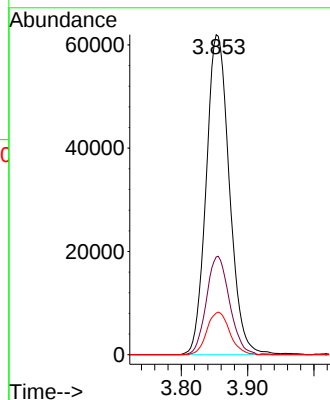
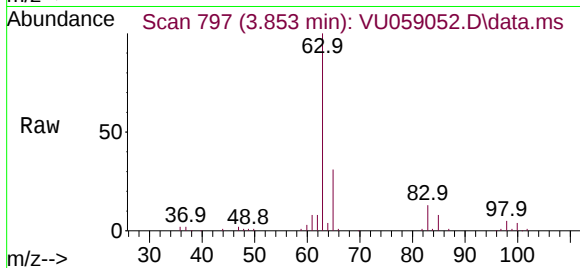
Tgt Ion: 63 Resp: 150481

Ion Ratio Lower Upper

63 100

65 30.6 21.3 39.5

83 13.0 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 50.634 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

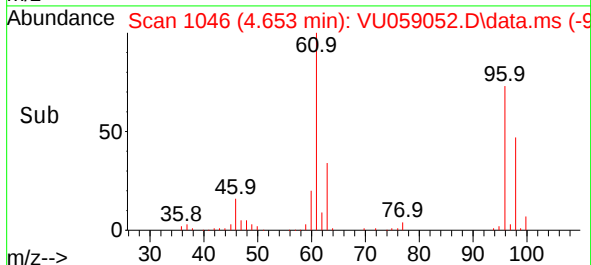
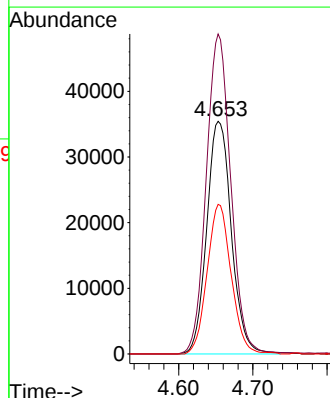
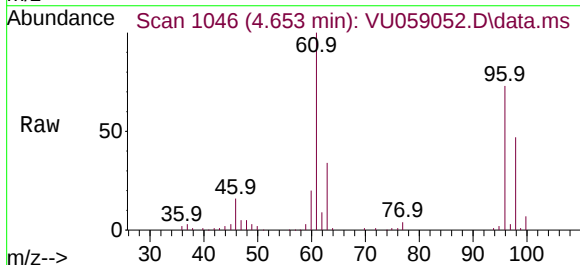
Tgt Ion: 96 Resp: 81763

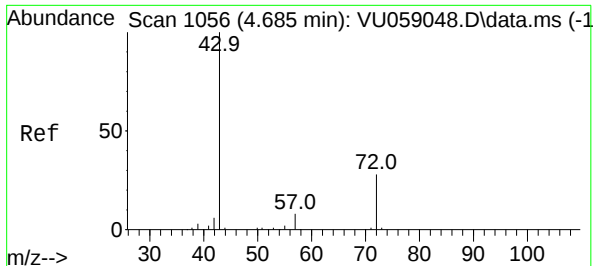
Ion Ratio Lower Upper

96 100

61 137.5 96.2 178.6

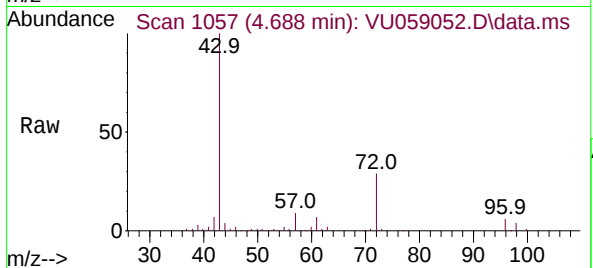
98 64.3 45.6 84.6



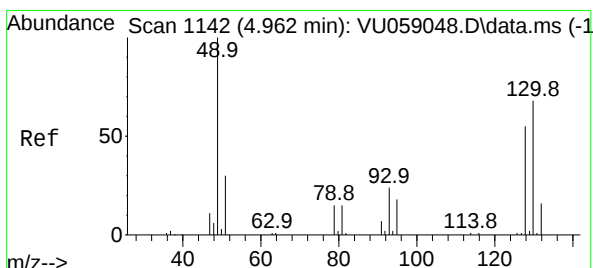
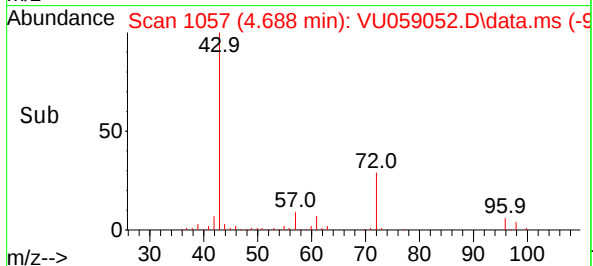
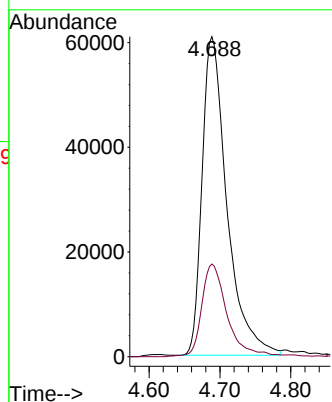


#22
2-Butanone
Concen: 99.494 ug/L
RT: 4.688 min Scan# 1056
Delta R.T. 0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

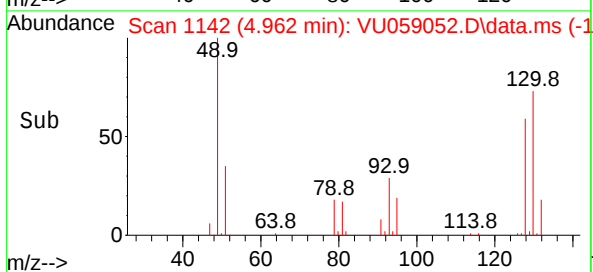
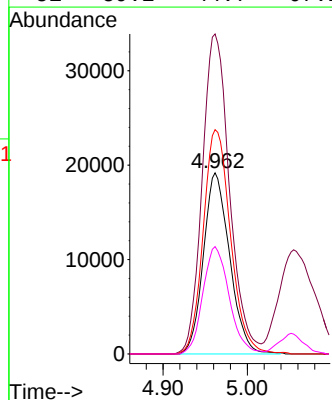
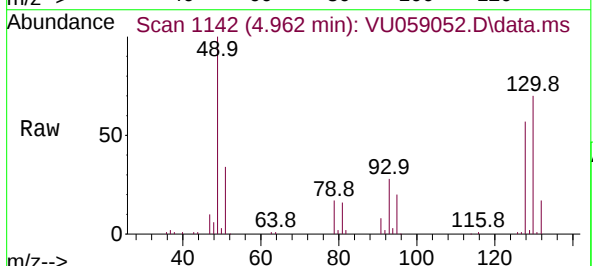


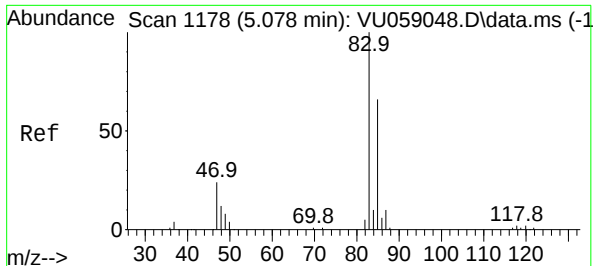
Tgt Ion: 43 Resp: 148466
Ion Ratio Lower Upper
43 100
72 28.8 14.2 42.8



#23
Bromochloromethane
Concen: 50.799 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:128 Resp: 41551
Ion Ratio Lower Upper
128 100
49 176.7 128.4 238.4
130 123.8 86.9 161.3
51 59.2 44.7 67.1





#25

Chloroform

Concen: 50.005 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

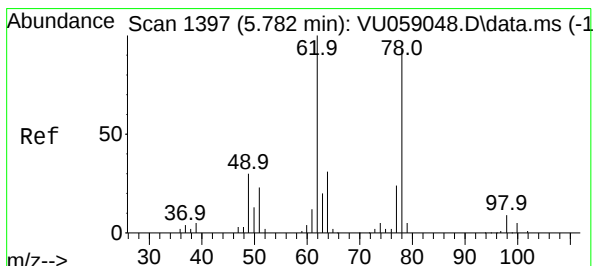
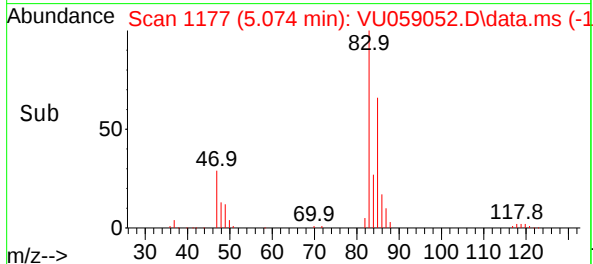
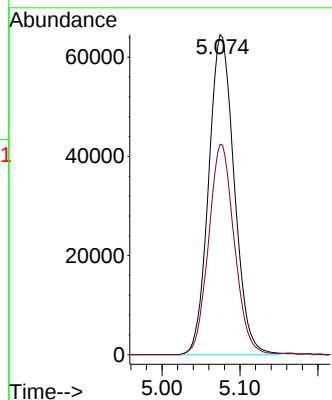
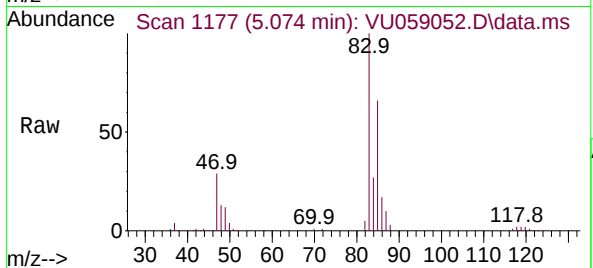
ClientSampleId :

Tgt Ion: 83 Resp: 147070

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.7



#27

1,2-Dichloroethane

Concen: 51.324 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VU059052.D

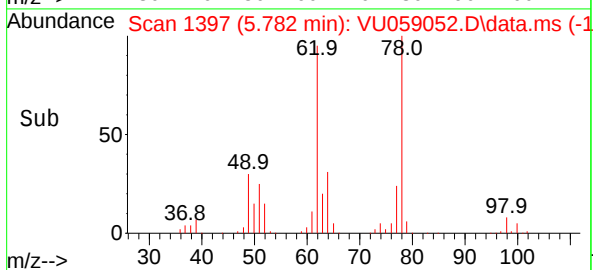
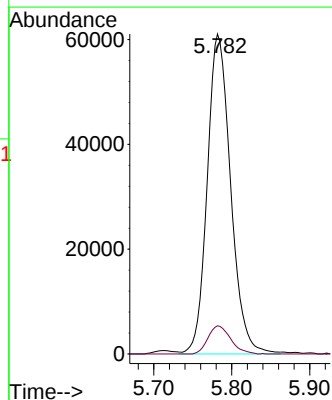
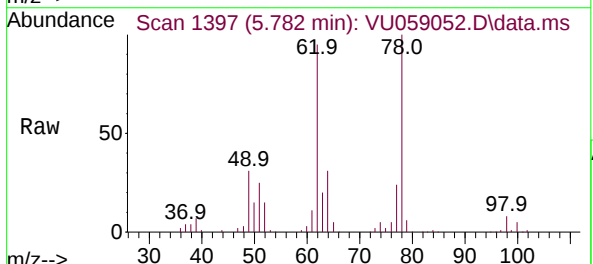
Acq: 29 May 2024 15:04

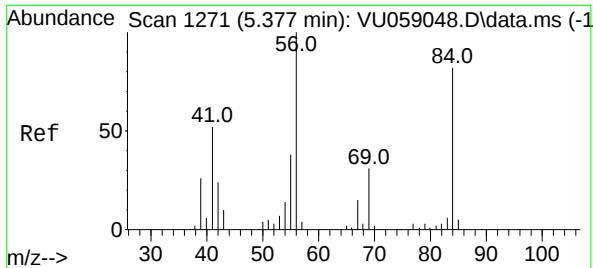
Tgt Ion: 62 Resp: 127518

Ion Ratio Lower Upper

62 100

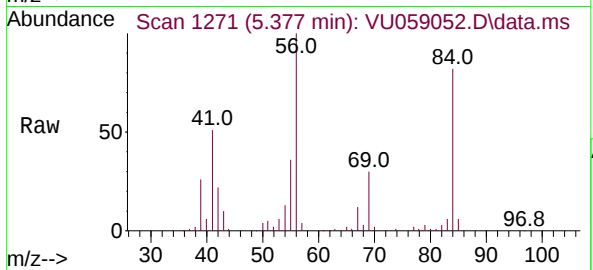
98 8.8 6.9 10.3



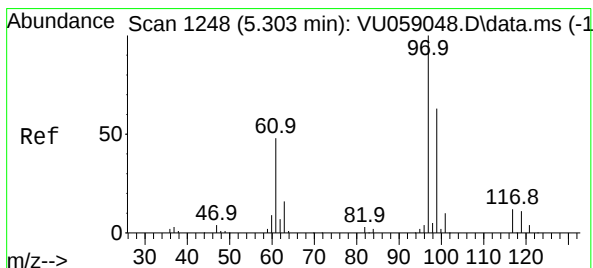
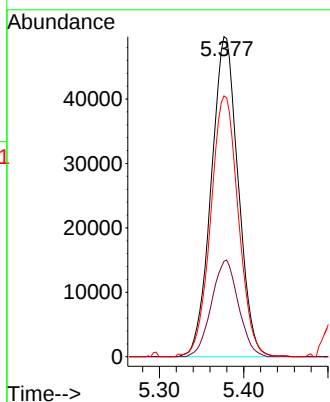
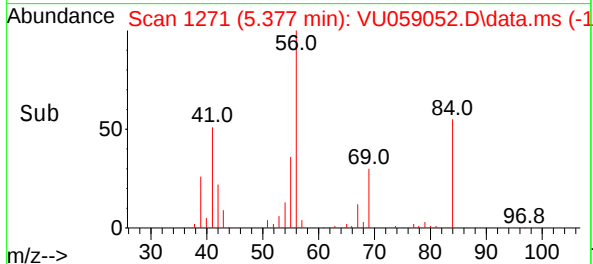


#29
Cyclohexane
Concen: 44.093 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

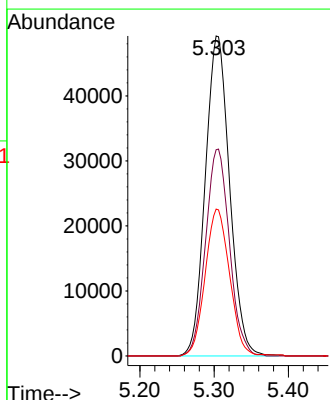
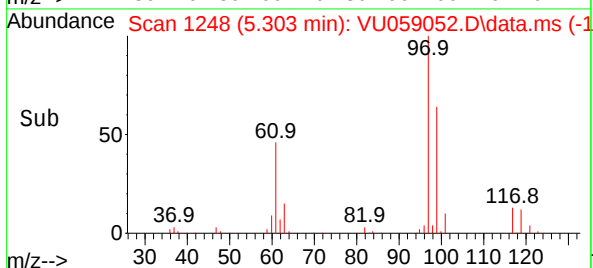
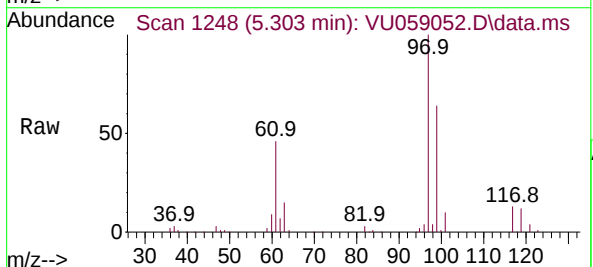


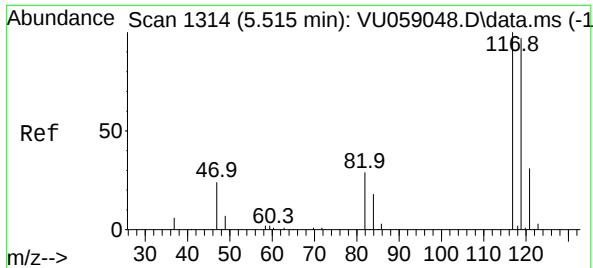
Tgt Ion: 56 Resp: 110223
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 83.2 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 45.946 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion: 97 Resp: 111857
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 46.0 39.1 58.7

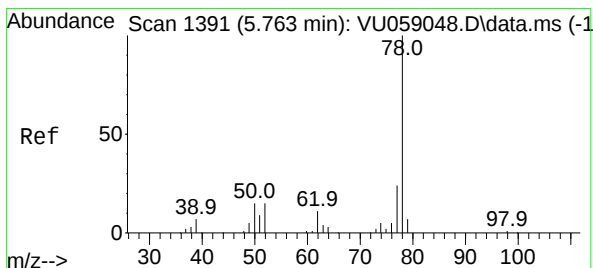
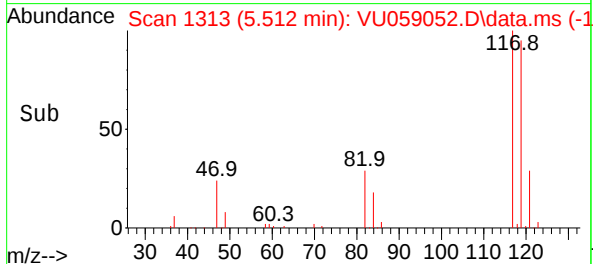
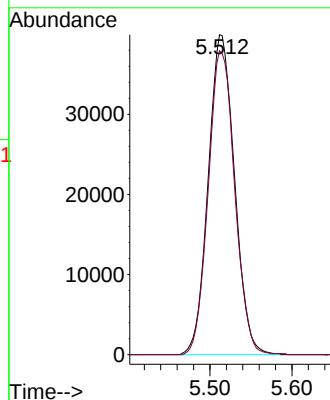
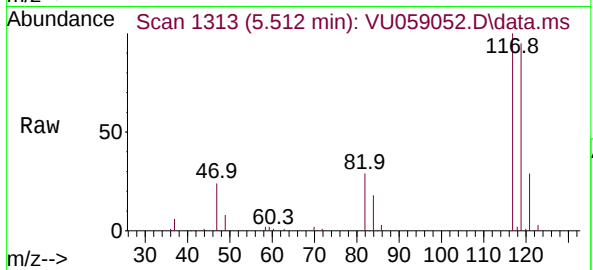




#31
Carbon tetrachloride
Concen: 44.960 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

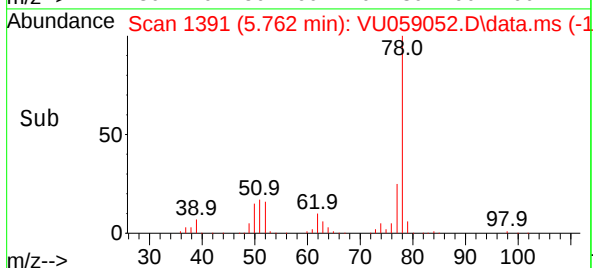
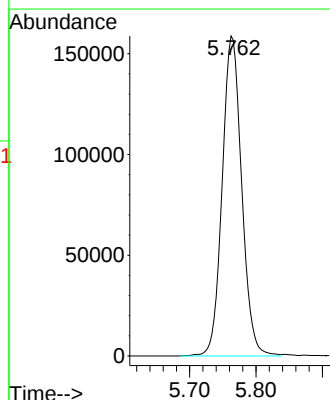
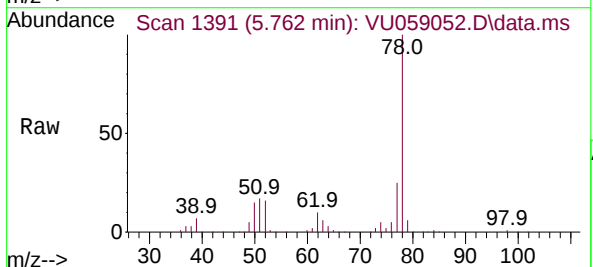
Instrument :
MSVOA_U
ClientSampleId :

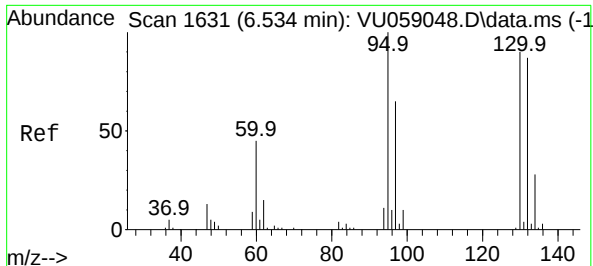
Tgt Ion:117 Resp: 88908
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3



#33
Benzene
Concen: 47.942 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

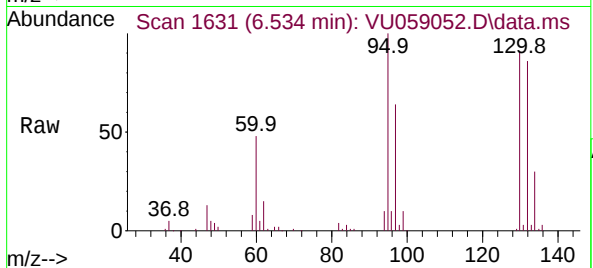
Tgt Ion: 78 Resp: 324151



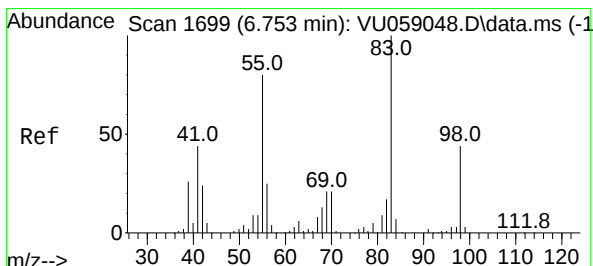
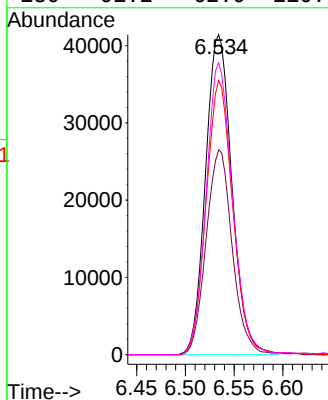
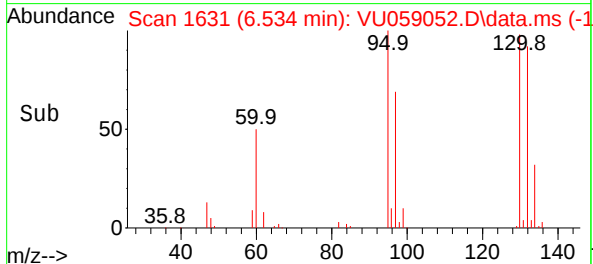


#34
Trichloroethene
Concen: 47.170 ug/L
RT: 6.534 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

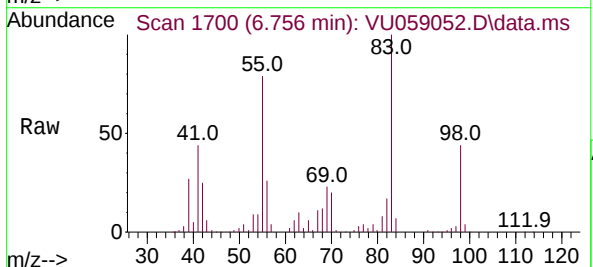
Instrument :
MSVOA_U
ClientSampleId :



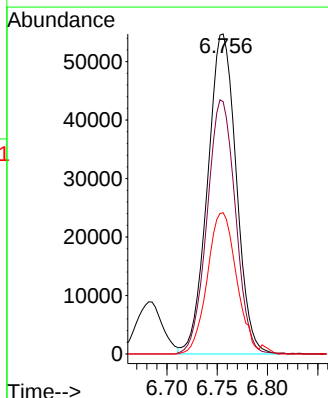
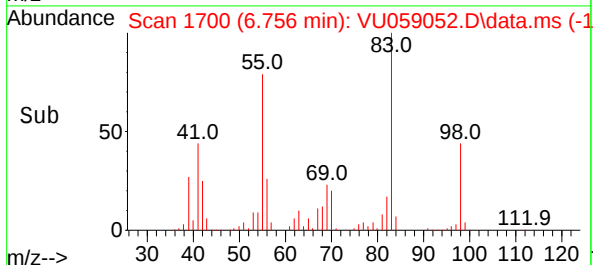
Tgt Ion: 95 Resp: 78093
Ion Ratio Lower Upper
95 100
97 64.0 45.2 84.0
132 85.7 60.6 112.6
130 91.2 62.9 116.7

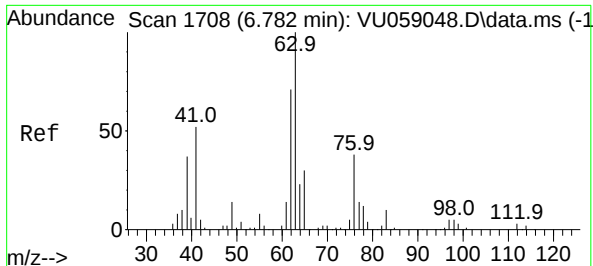


#35
Methylcyclohexane
Concen: 44.627 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04



Tgt Ion: 83 Resp: 108631
Ion Ratio Lower Upper
83 100
55 78.4 63.9 95.9
98 44.8 34.7 52.1

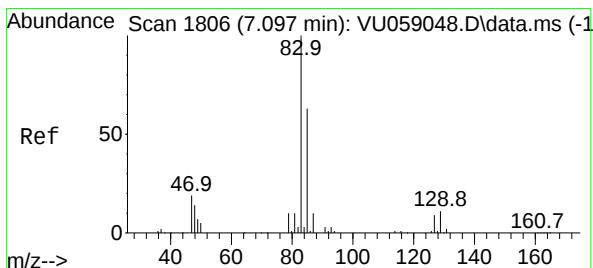
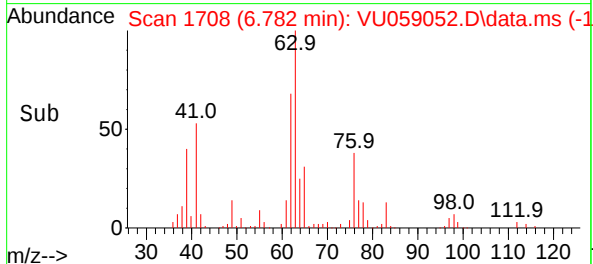
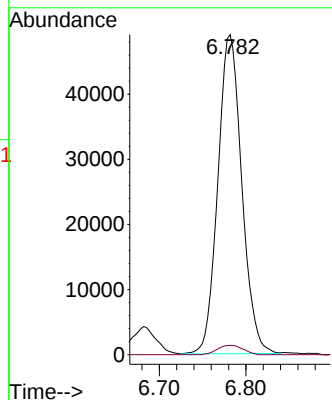
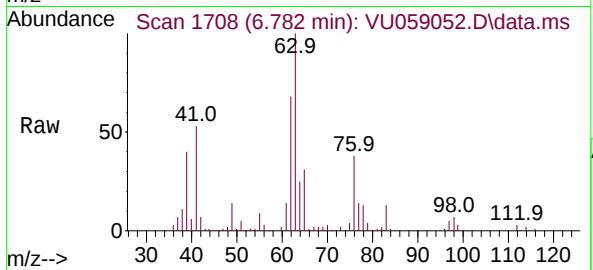




#37
1,2-Dichloropropane
Concen: 49.071 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

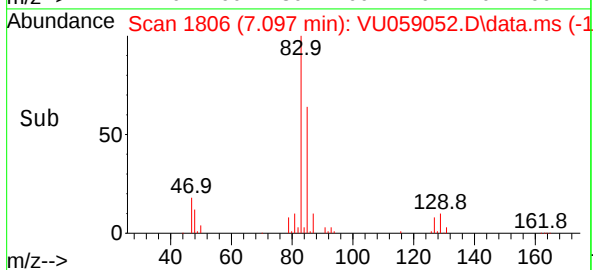
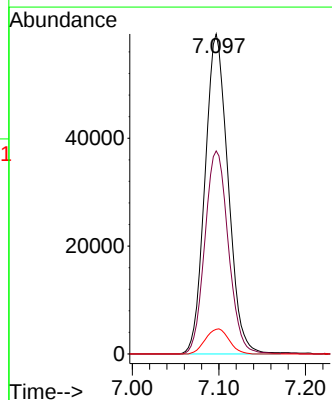
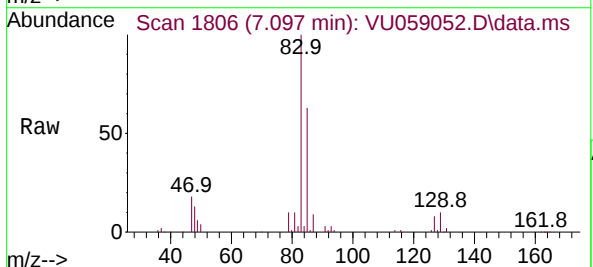
Instrument :
MSVOA_U
ClientSampleId :

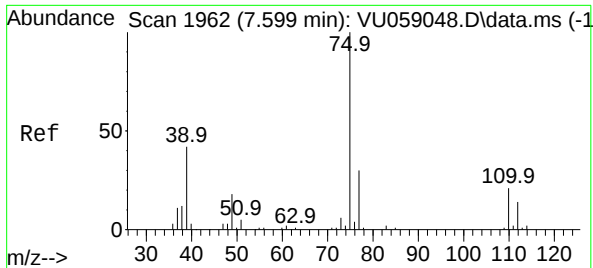
Tgt Ion: 63 Resp: 94212
Ion Ratio Lower Upper
63 100
112 3.1 2.6 4.0



#38
Bromodichloromethane
Concen: 49.174 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion: 83 Resp: 109973
Ion Ratio Lower Upper
83 100
85 63.5 44.0 81.6
127 7.7 7.0 10.6

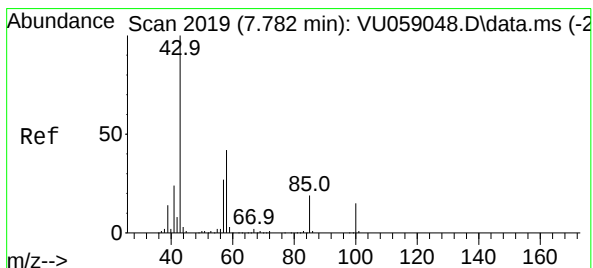
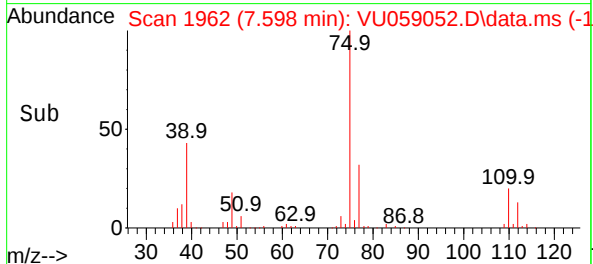
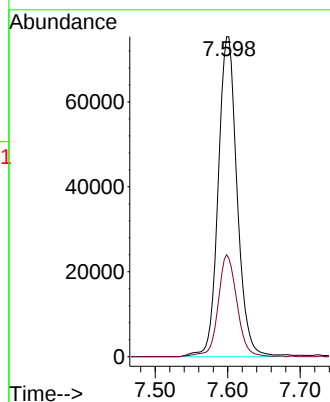
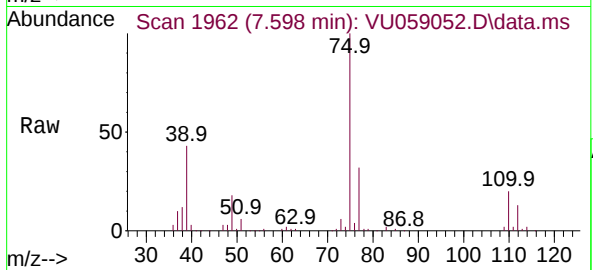




#39
cis-1,3-Dichloropropene
Concen: 51.391 ug/L
RT: 7.598 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

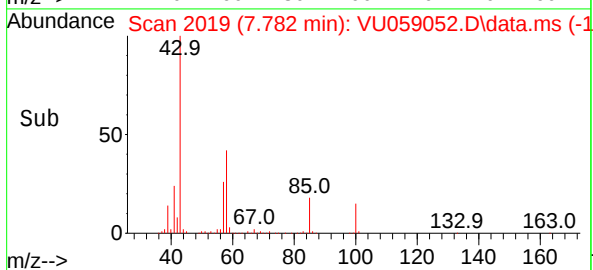
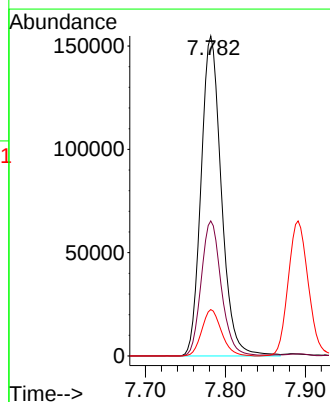
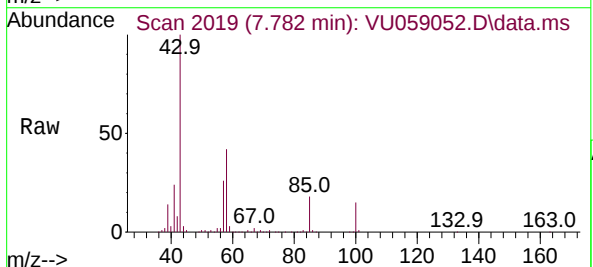
Instrument :
MSVOA_U
ClientSampleId :

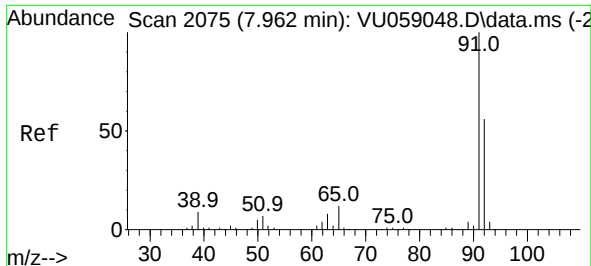
Tgt Ion: 75 Resp: 136516
Ion Ratio Lower Upper
75 100
77 31.8 21.2 39.4



#40
4-Methyl-2-pentanone
Concen: 108.845 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion: 43 Resp: 273963
Ion Ratio Lower Upper
43 100
58 41.9 33.7 50.5
100 14.1 11.4 17.0





#42

Toluene

Concen: 48.617 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

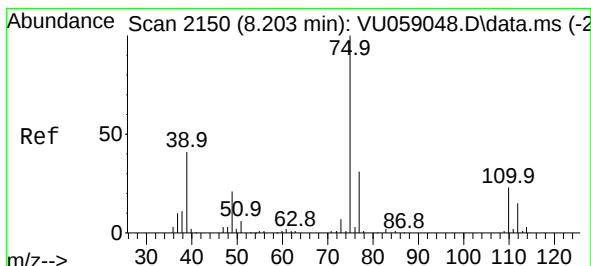
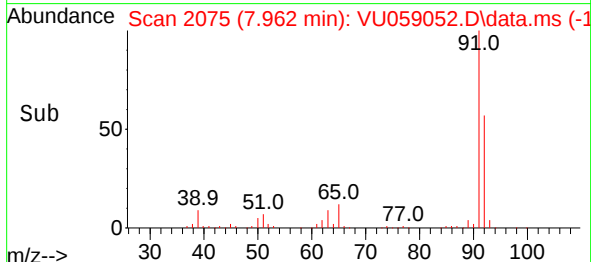
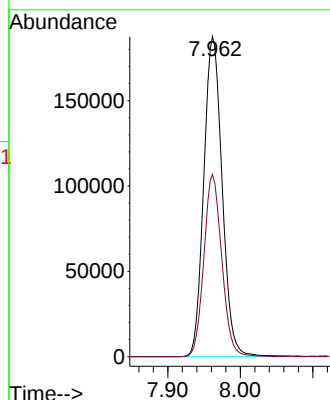
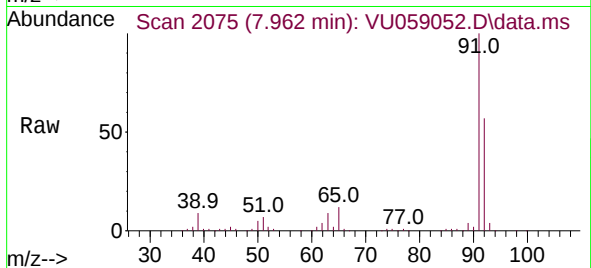
ClientSampleId :

Tgt Ion: 91 Resp: 329952

Ion Ratio Lower Upper

91 100

92 57.0 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 52.549 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU059052.D

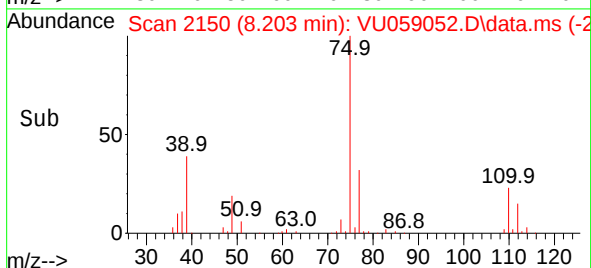
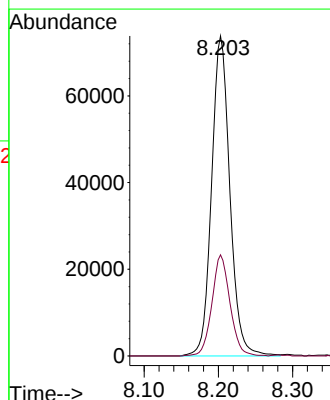
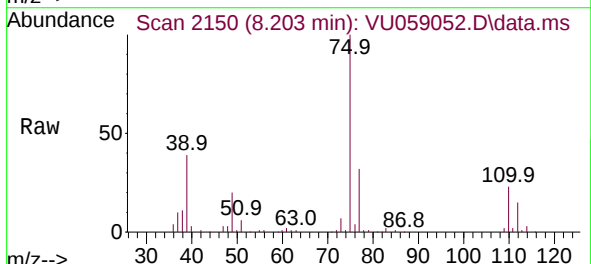
Acq: 29 May 2024 15:04

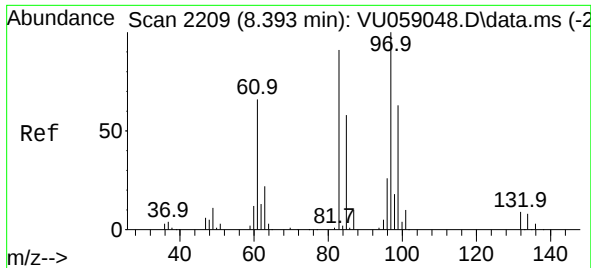
Tgt Ion: 75 Resp: 126374

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

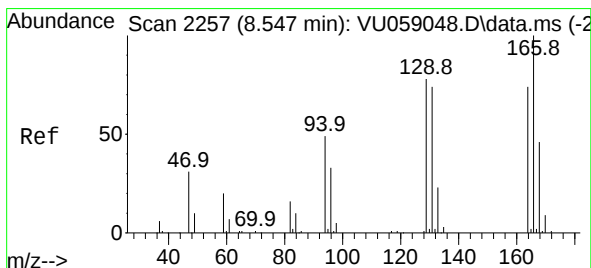
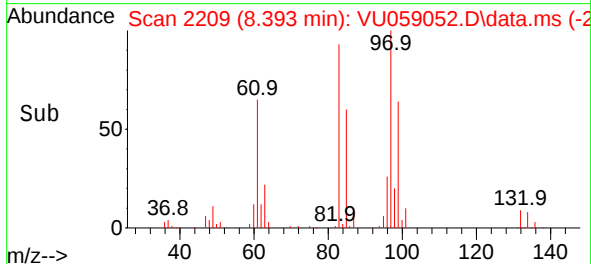
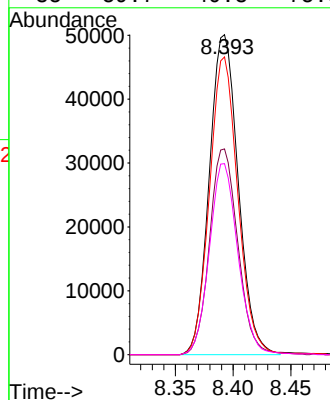
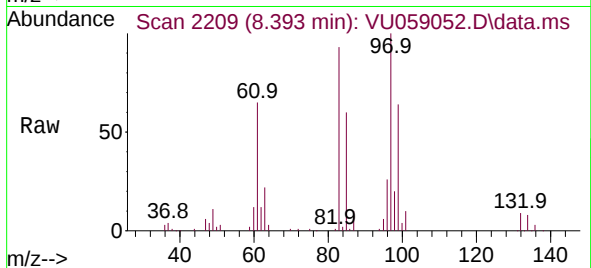




#45
1,1,2-Trichloroethane
Concen: 50.559 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

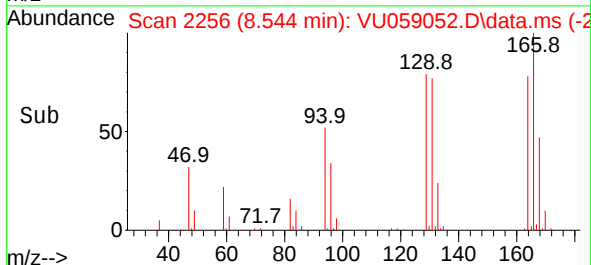
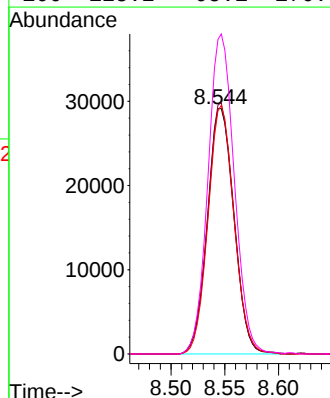
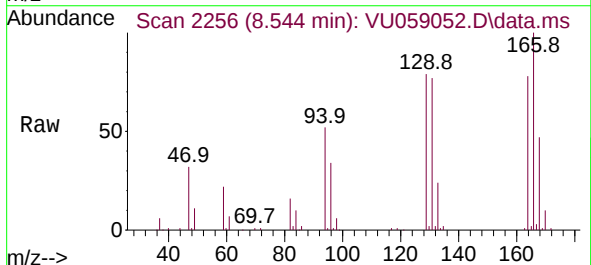
Instrument :
MSVOA_U
ClientSampleId :

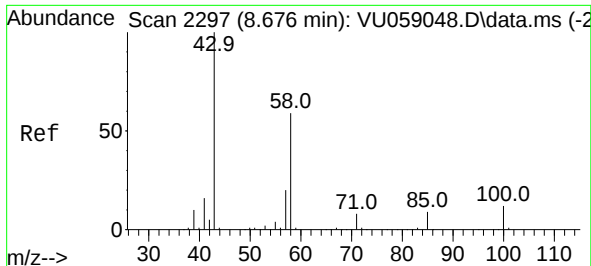
Tgt Ion:	97	Resp:	87276
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.0	81.6
83	93.0	63.6	118.2
85	59.7	40.8	75.8



#46
Tetrachloroethene
Concen: 45.595 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:	164	Resp:	50279
Ion	Ratio	Lower	Upper
164	100		
129	101.5	74.5	138.5
131	99.1	70.6	131.0
166	128.2	95.1	176.7





#48

2-Hexanone

Concen: 105.583 ug/L

RT: 8.675 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 224134

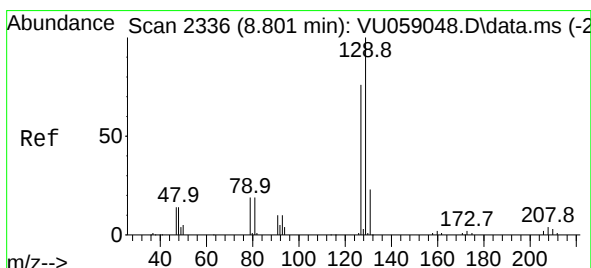
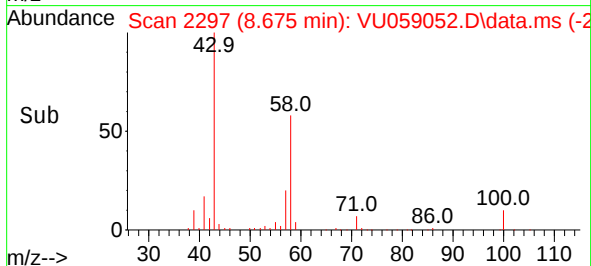
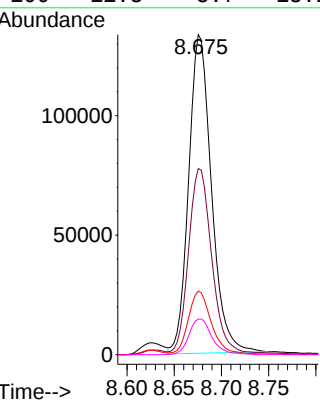
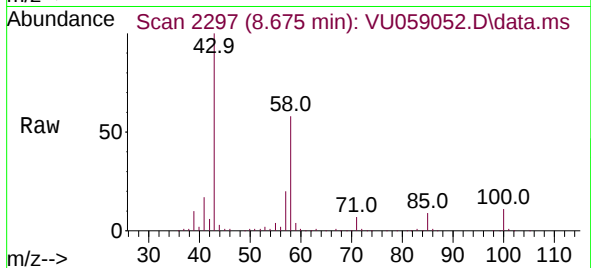
Ion Ratio Lower Upper

43 100

58 58.2 45.9 68.9

57 20.4 16.3 24.5

100 11.3 8.7 13.1



#49

Dibromochloromethane

Concen: 49.912 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU059052.D

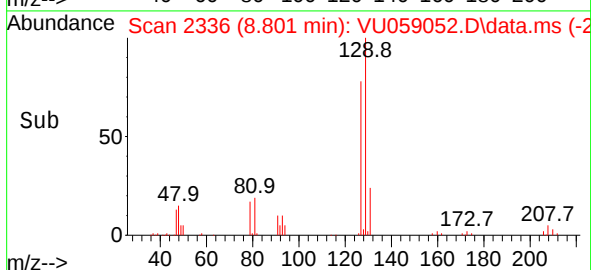
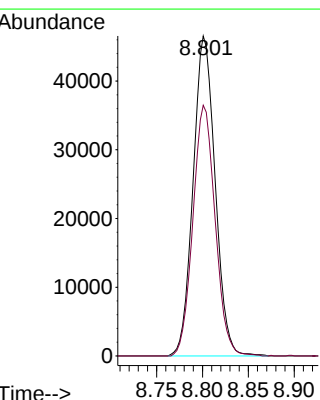
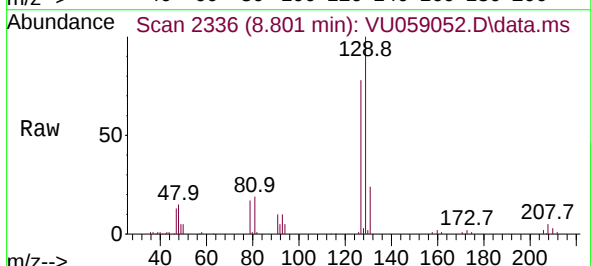
Acq: 29 May 2024 15:04

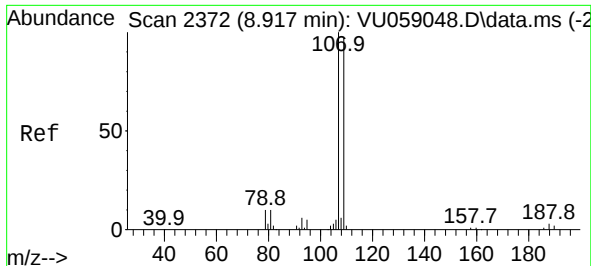
Tgt Ion:129 Resp: 77864

Ion Ratio Lower Upper

129 100

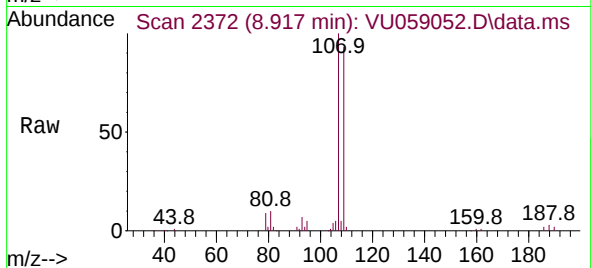
127 78.3 53.3 98.9



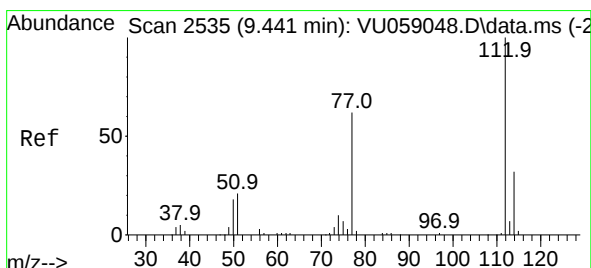
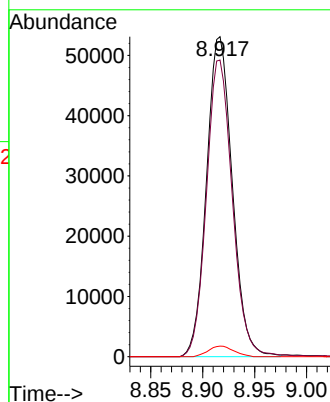
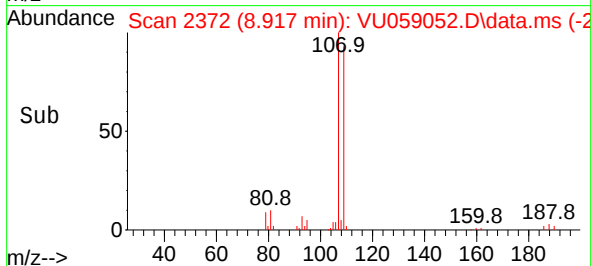


#50
1,2-Dibromoethane
Concen: 51.493 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Instrument :
MSVOA_U
ClientSampleId :

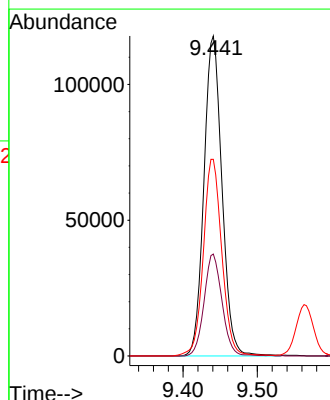
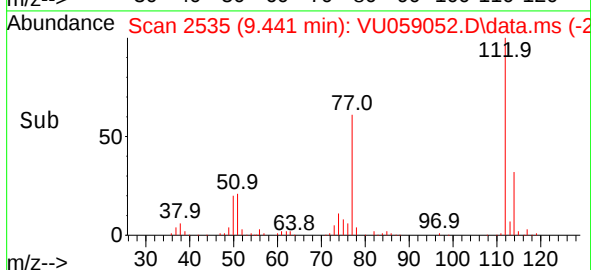
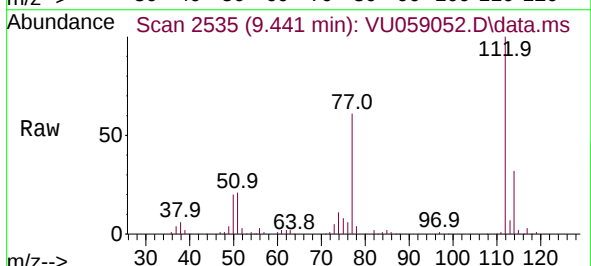


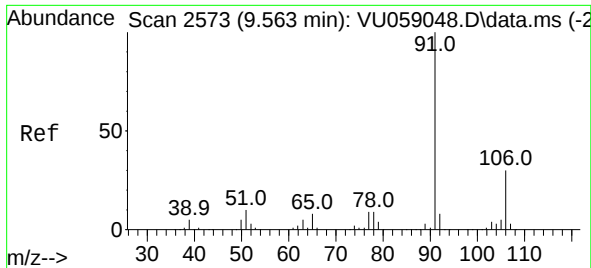
Tgt Ion:107 Resp: 91690
Ion Ratio Lower Upper
107 100
109 92.7 67.8 125.8
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 48.592 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:112 Resp: 199043
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 61.5 49.8 74.6

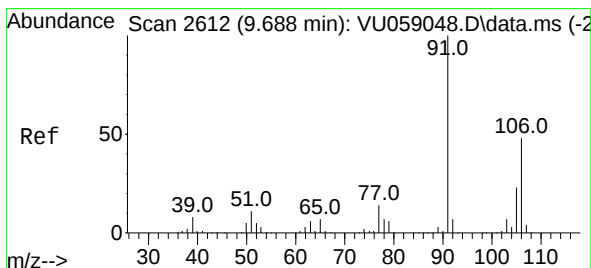
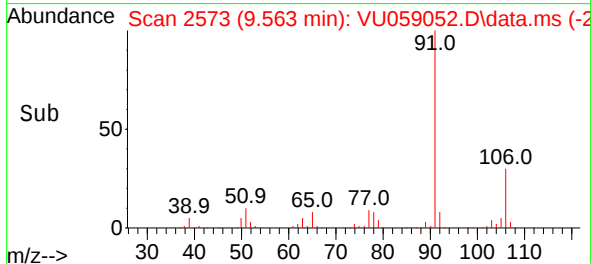
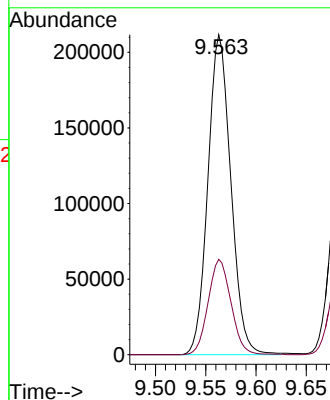
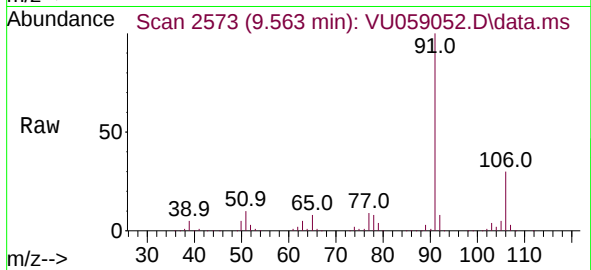




#52
Ethylbenzene
Concen: 48.008 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

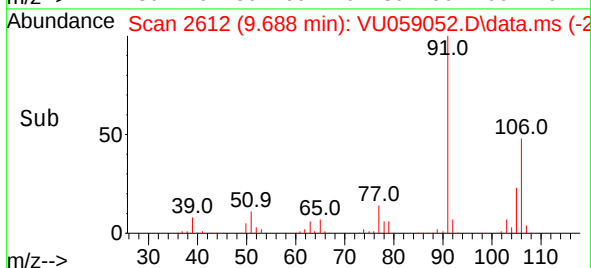
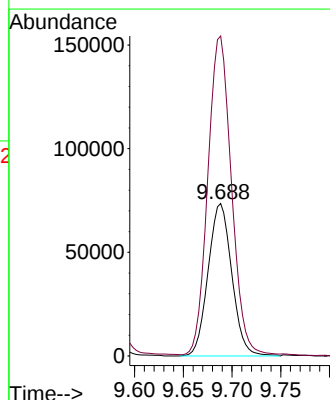
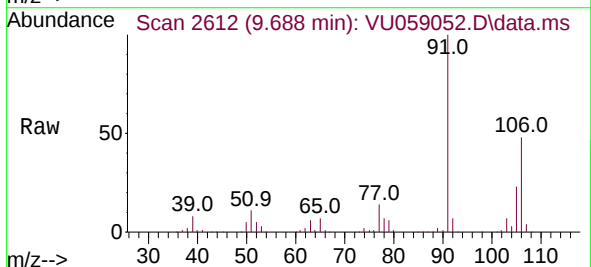
Instrument :
MSVOA_U
ClientSampleId :

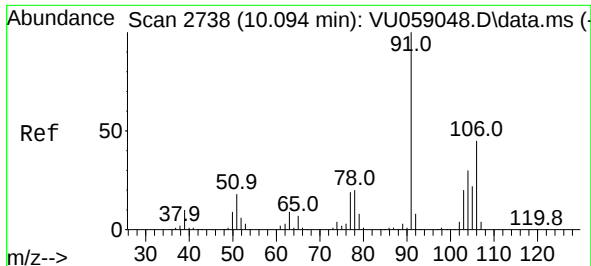
Tgt Ion: 91 Resp: 335905
Ion Ratio Lower Upper
91 100
106 29.8 21.0 39.0



#53
m,p-Xylene
Concen: 48.329 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:106 Resp: 124278
Ion Ratio Lower Upper
106 100
91 209.9 146.4 272.0

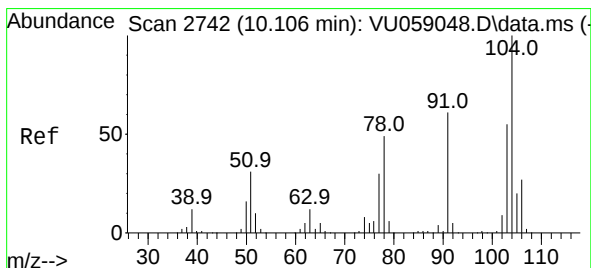
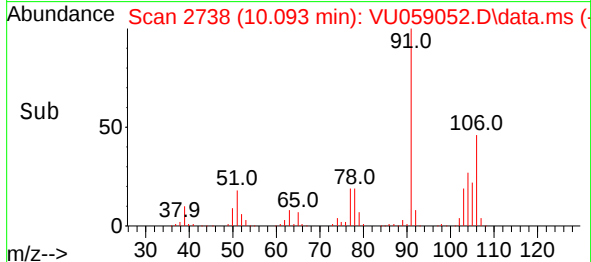
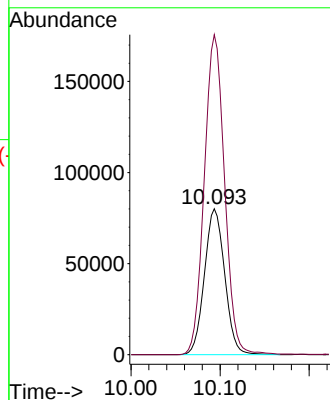
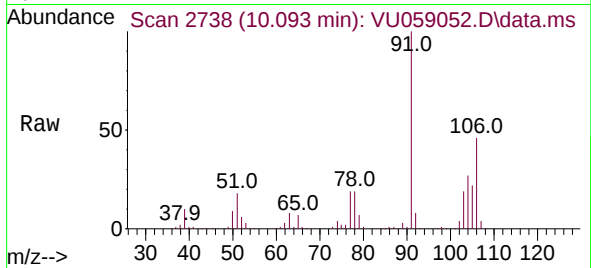




#54
o-Xylene
Concen: 50.872 ug/L
RT: 10.093 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

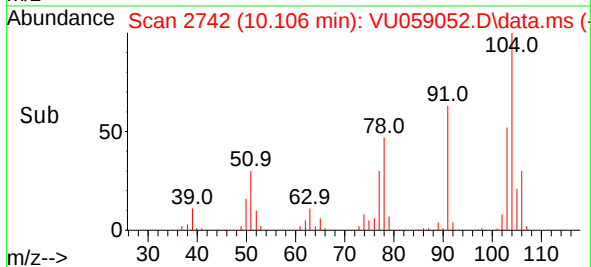
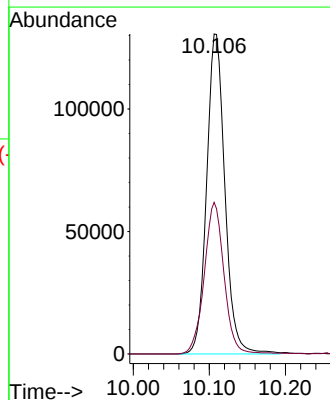
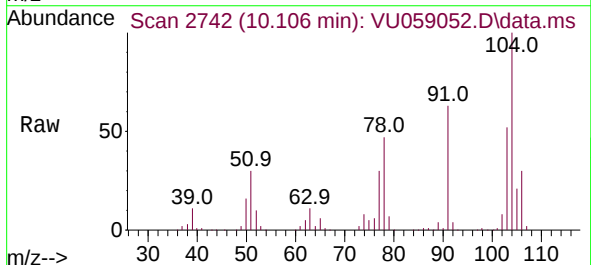
Instrument :
MSVOA_U
ClientSampleId :

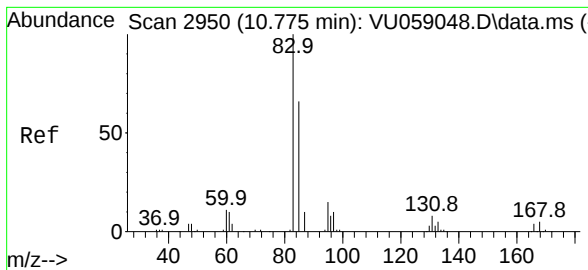
Tgt Ion:106 Resp: 126781
Ion Ratio Lower Upper
106 100
91 219.2 156.7 290.9



#55
Styrene
Concen: 51.422 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:104 Resp: 217828
Ion Ratio Lower Upper
104 100
78 47.3 34.7 64.5

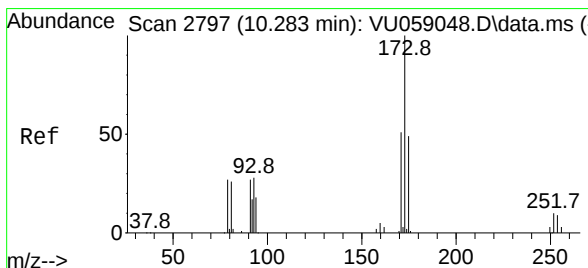
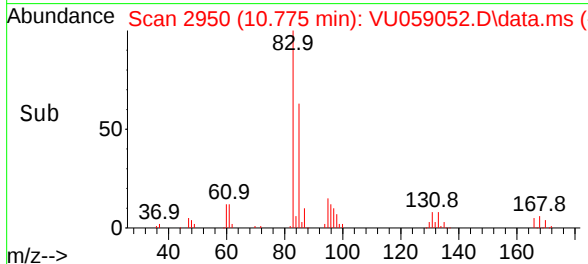
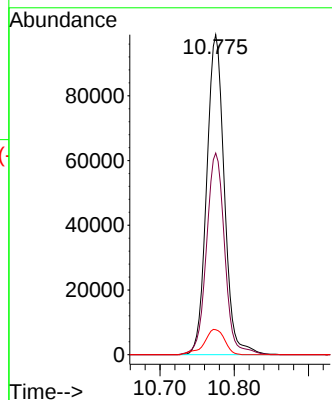
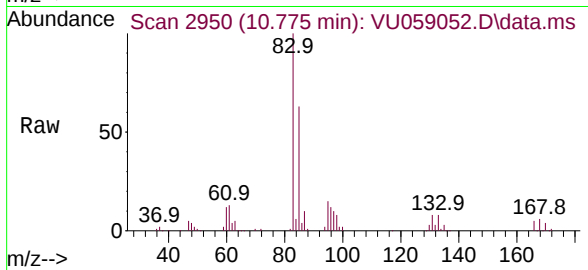




#57
1,1,2,2-Tetrachloroethane
Concen: 51.720 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

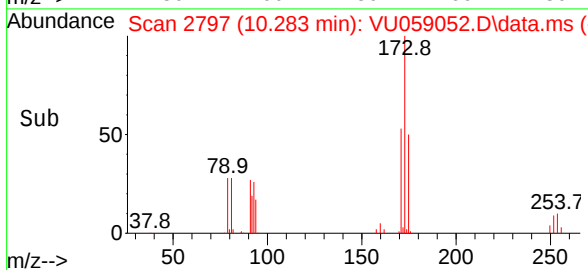
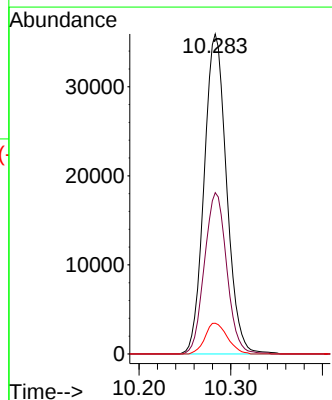
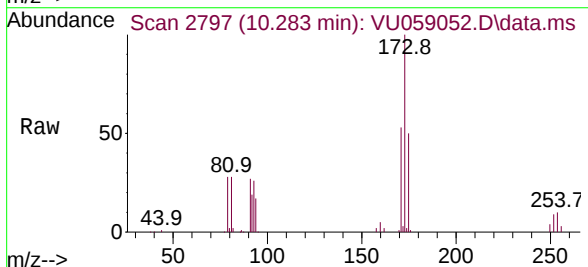
Instrument :
MSVOA_U
ClientSampleId :

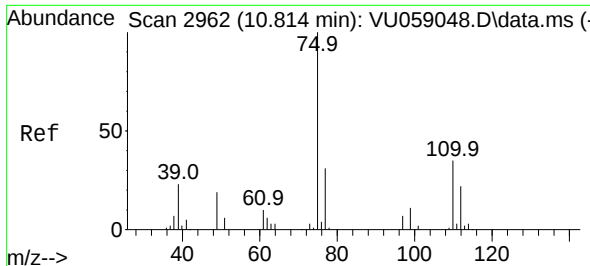
Tgt Ion: 83 Resp: 162638
Ion Ratio Lower Upper
83 100
85 63.0 46.1 85.7
131 7.8 7.0 10.4



#59
Bromoform
Concen: 51.047 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

Tgt Ion:173 Resp: 61142
Ion Ratio Lower Upper
173 100
175 50.1 39.0 58.6
254 9.6 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 50.490 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

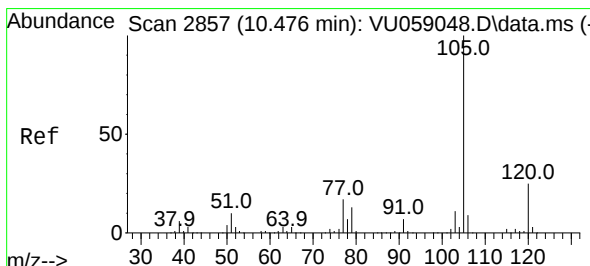
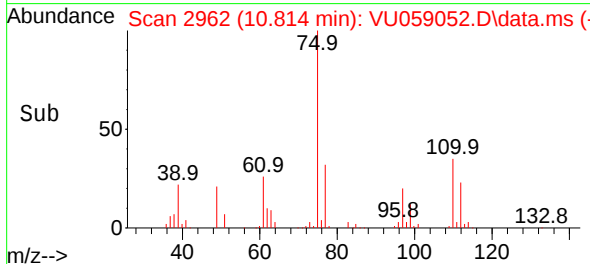
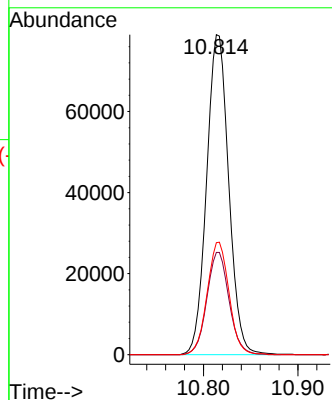
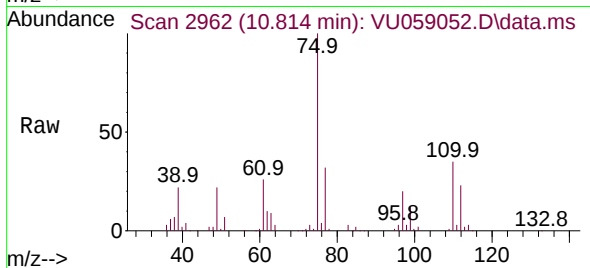
Tgt Ion: 75 Resp: 128265

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

110 34.6 28.4 42.6



#61

Isopropylbenzene

Concen: 48.400 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

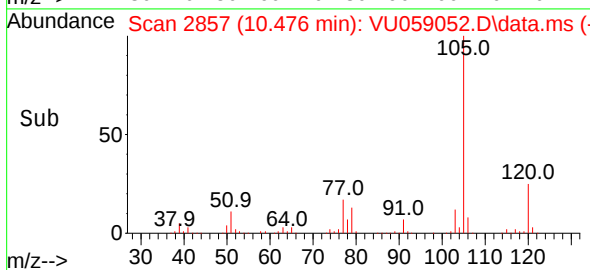
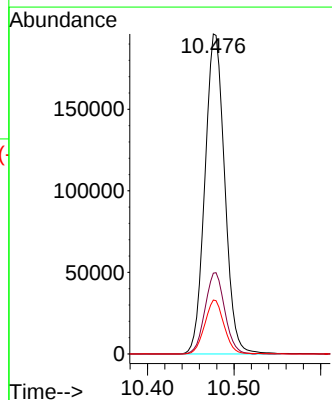
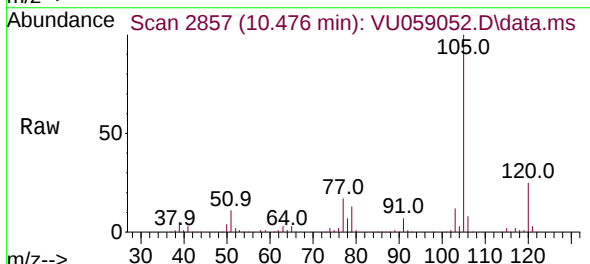
Tgt Ion:105 Resp: 311062

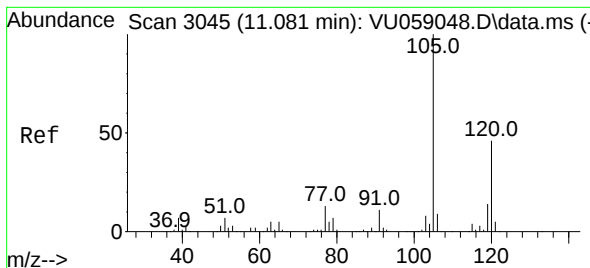
Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

77 16.5 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 49.447 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

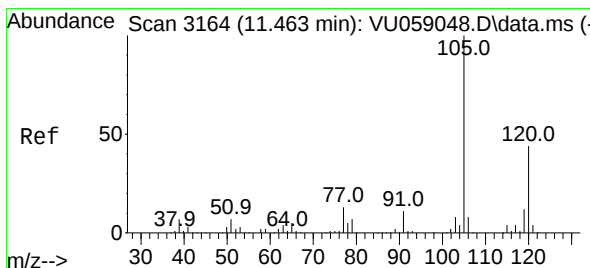
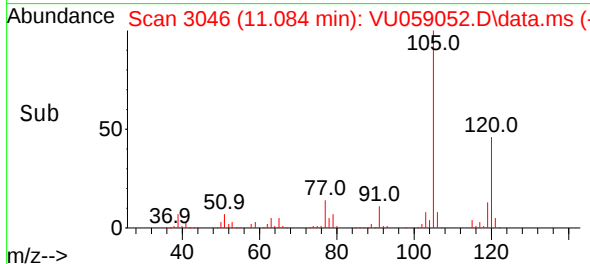
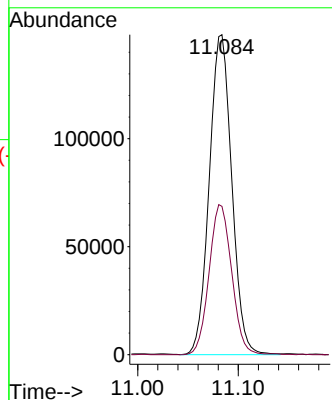
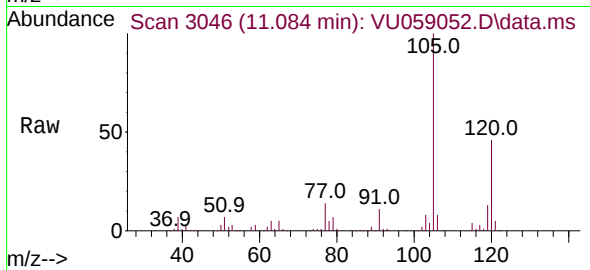
ClientSampleId :

Tgt Ion:105 Resp: 230251

Ion Ratio Lower Upper

105 100

120 47.1 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 51.341 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU059052.D

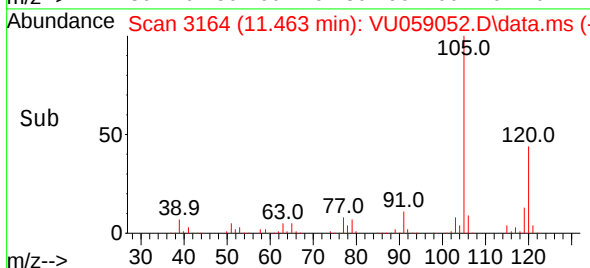
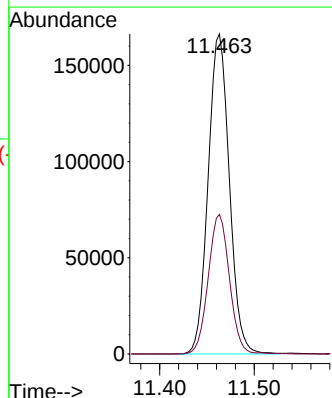
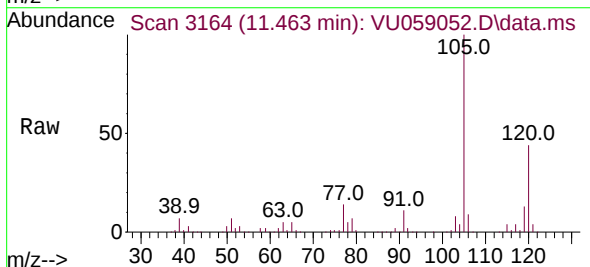
Acq: 29 May 2024 15:04

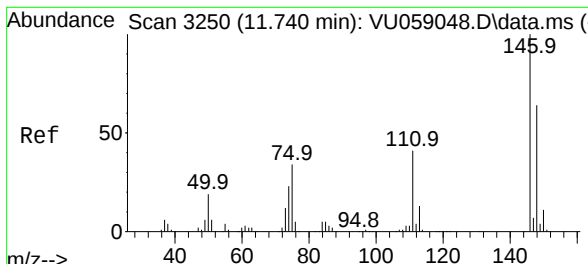
Tgt Ion:105 Resp: 259159

Ion Ratio Lower Upper

105 100

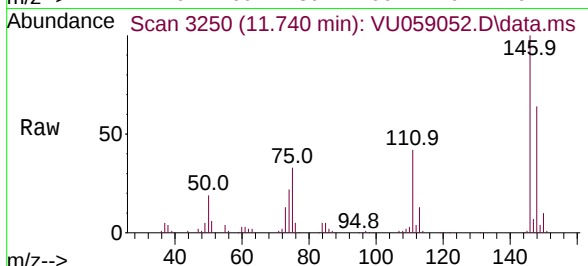
120 43.6 35.0 52.6



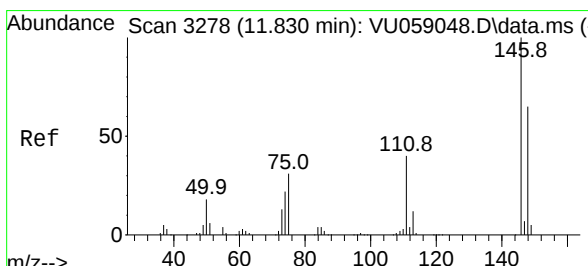
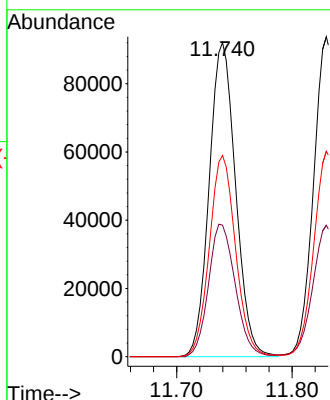
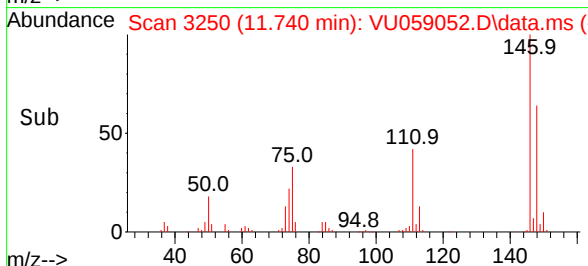


#64
1,3-Dichlorobenzene
Concen: 48.719 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04

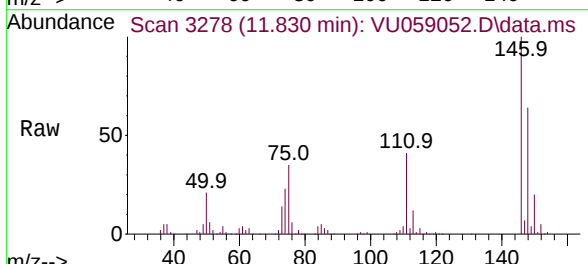
Instrument :
MSVOA_U
ClientSampleId :



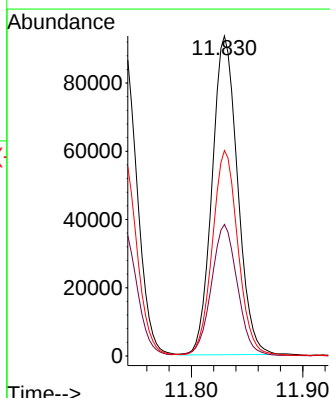
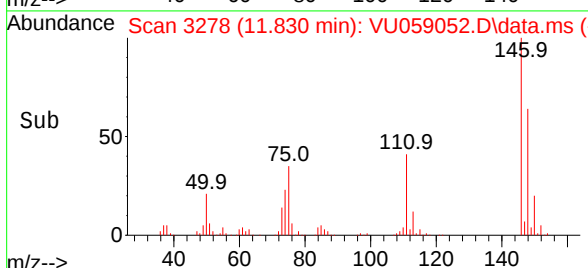
Tgt Ion:146 Resp: 146340
Ion Ratio Lower Upper
146 100
111 41.8 28.7 53.3
148 64.0 44.9 83.5

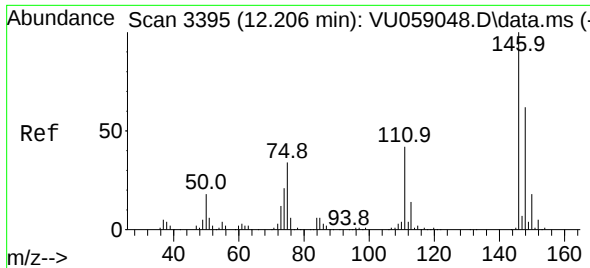


#65
1,4-Dichlorobenzene
Concen: 47.842 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU059052.D
Acq: 29 May 2024 15:04



Tgt Ion:146 Resp: 148414
Ion Ratio Lower Upper
146 100
111 41.1 27.9 51.9
148 64.2 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 49.836 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :

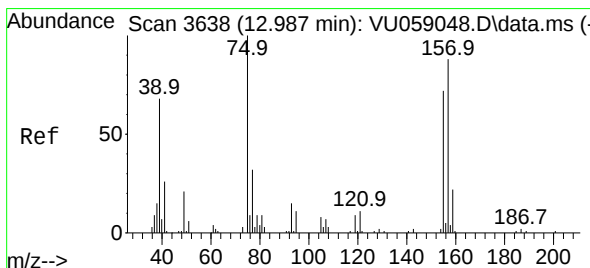
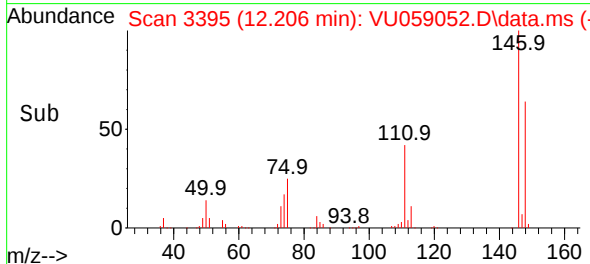
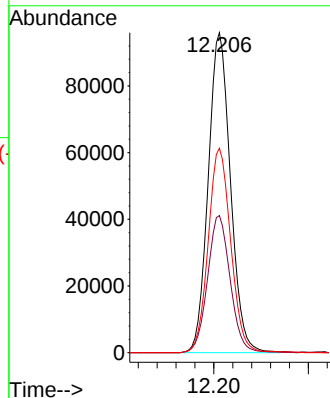
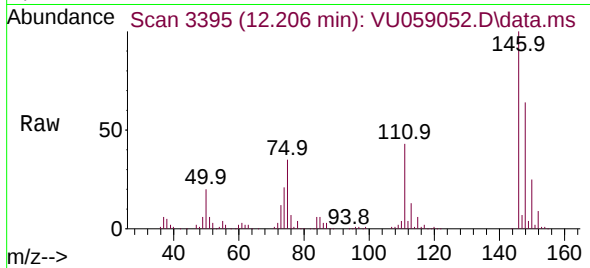
Tgt Ion:146 Resp: 156459

Ion Ratio Lower Upper

146 100

111 42.9 33.4 50.2

148 63.9 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 55.585 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

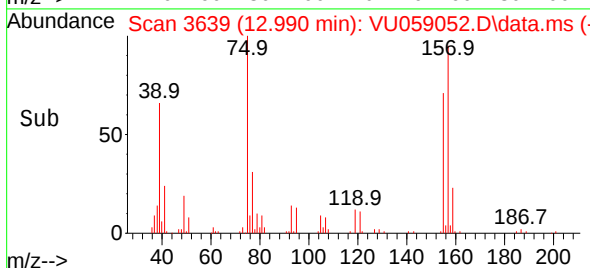
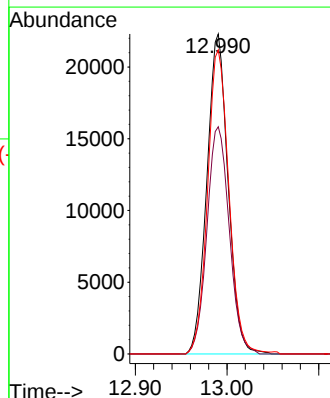
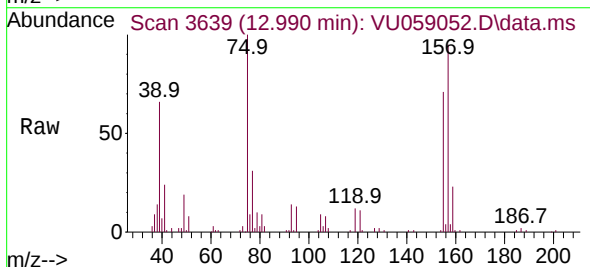
Tgt Ion: 75 Resp: 35798

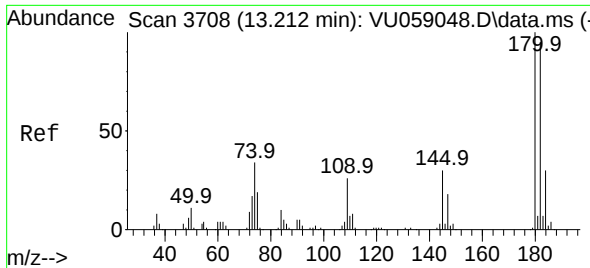
Ion Ratio Lower Upper

75 100

155 71.0 57.5 86.3

157 99.1 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 49.112 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

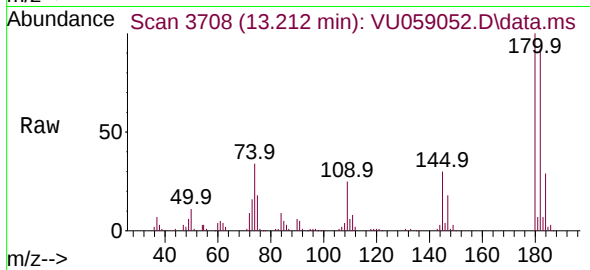
Lab File: VU059052.D

Acq: 29 May 2024 15:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 97427

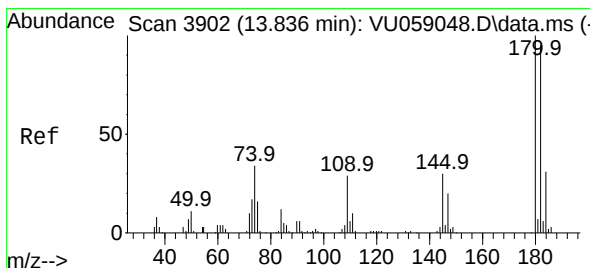
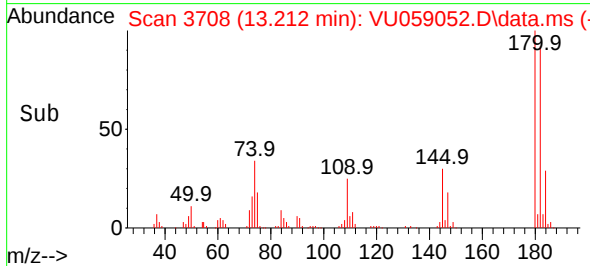
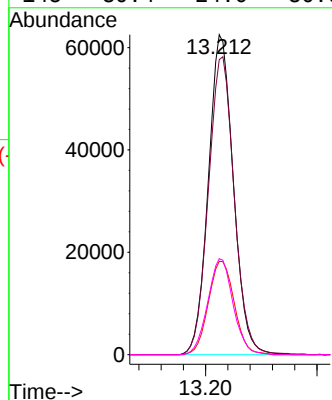
Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

184 30.3 24.2 36.2

145 30.4 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 51.685 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU059052.D

Acq: 29 May 2024 15:04

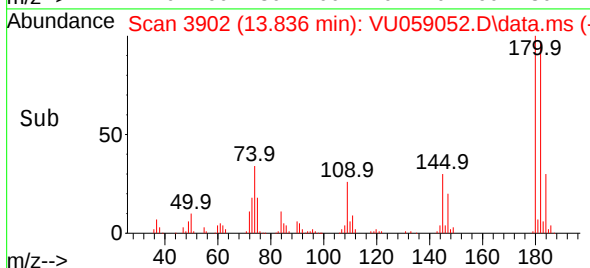
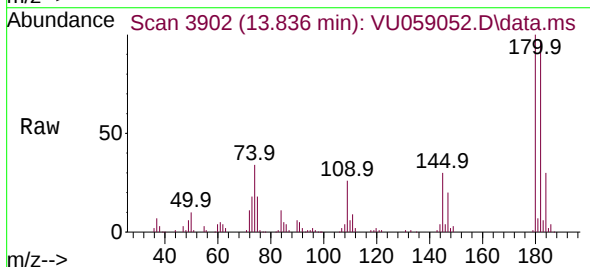
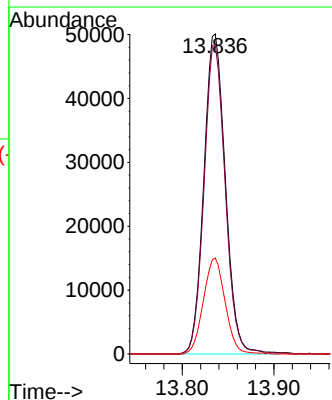
Tgt Ion:180 Resp: 81891

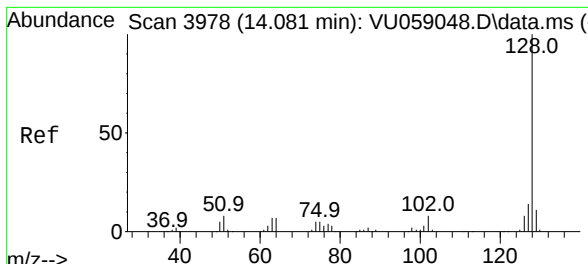
Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 30.1 24.8 37.2

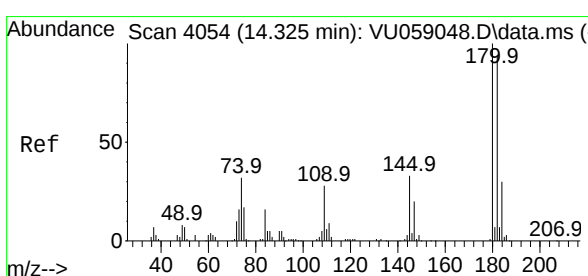
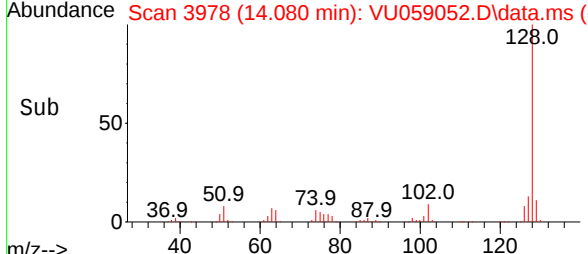
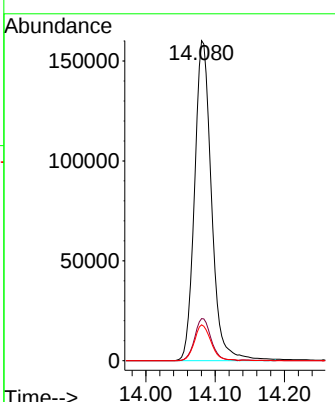
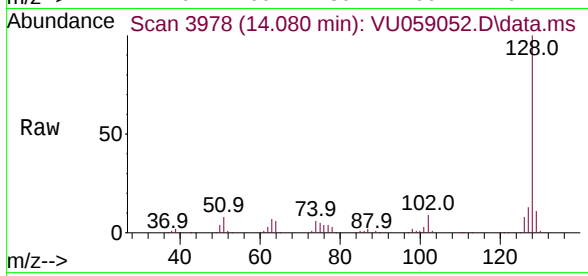




#71
 Naphthalene
 Concen: 54.259 ug/L
 RT: 14.080 min Scan# 3978
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	128	Resp:	272115
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.5	12.7



#72
 1,2,3-Trichlorobenzene
 Concen: 53.353 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. -0.000 min
 Lab File: VU059052.D
 Acq: 29 May 2024 15:04

Tgt Ion:	180	Resp:	85942
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.2	114.4
145	31.9	26.4	39.6

