

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058989.D
 Acq On : 25 May 2024 10:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 04:03:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	131045	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	128743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67500	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	59181	42.700	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.400%
7) Chloroethane-d5	1.878	69	54337	47.173	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.340%
11) 1,1-Dichloroethene-d2	2.550	63	101628	47.994	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.980%
21) 2-Butanone-d5	4.608	46	98823	103.802	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.800%
24) Chloroform-d	5.049	84	118839	49.989	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.980%
26) 1,2-Dichloroethane-d4	5.692	65	74905	51.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.040%
32) Benzene-d6	5.714	84	234825	53.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.000%
36) 1,2-Dichloropropane-d6	6.679	67	77889	53.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.460%
41) Toluene-d8	7.891	98	200572	50.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.960%
43) trans-1,3-Dichloroprop...	8.174	79	30774	47.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.540%
47) 2-Hexanone-d5	8.627	63	64697	107.904	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	121192	55.568	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.140%
66) 1,2-Dichlorobenzene-d4	12.187	152	71857	51.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.180%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.377	85	39253	44.771	ug/L	99
3) Chloromethane	1.512	50	45686	48.628	ug/L	100
5) Vinyl chloride	1.596	62	49953	45.532	ug/L	97
6) Bromomethane	1.824	94	43681	67.173	ug/L	97
8) Chloroethane	1.901	64	36651	48.714	ug/L	98
9) Trichlorofluoromethane	2.116	101	74977	50.246	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	45460	44.817	ug/L	94
12) 1,1-Dichloroethene	2.563	96	37517	46.213	ug/L	89
13) Acetone	2.615	43	65722	78.297	ug/L	99
14) Carbon disulfide	2.776	76	64244	42.062	ug/L	98
15) Methyl Acetate	2.936	43	73341	54.217	ug/L	99
16) Methylene chloride	3.030	84	59052	45.600	ug/L	96
17) trans-1,2-Dichloroethene	3.338	96	38105	46.722	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	169890	52.628	ug/L	99
19) 1,1-Dichloroethane	3.856	63	109424	52.669	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	53387	49.453	ug/L	94
22) 2-Butanone	4.689	43	103952	95.070	ug/L	97
23) Bromochloromethane	4.962	128	26473	47.041	ug/L	93
25) Chloroform	5.074	83	111524	50.842	ug/L	99

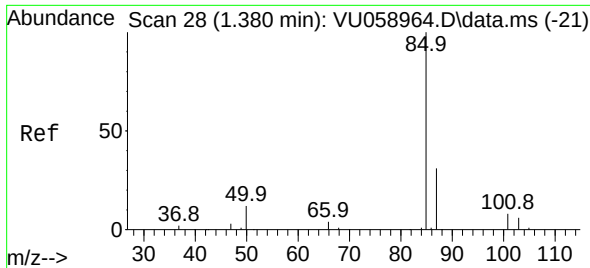
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
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 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	86870	51.884	ug/L	100
29) Cyclohexane	5.377	56	59419	54.224	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	81593	52.805	ug/L	98
31) Carbon tetrachloride	5.512	117	62346	49.954	ug/L	100
33) Benzene	5.763	78	215497	55.677	ug/L	100
34) Trichloroethene	6.531	95	51360	49.997	ug/L	98
35) Methylcyclohexane	6.753	83	55373	45.989	ug/L	94
37) 1,2-Dichloropropane	6.782	63	70052	55.690	ug/L	100
38) Bromodichloromethane	7.097	83	83628	53.496	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	86147	49.719	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	211448	117.919	ug/L	96
42) Toluene	7.962	91	218103	52.570	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	80406	49.022	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	65326	52.603	ug/L	99
46) Tetrachloroethene	8.547	164	30979	45.229	ug/L	98
48) 2-Hexanone	8.676	43	165575	112.143	ug/L	97
49) Dibromochloromethane	8.801	129	57514	48.464	ug/L	95
50) 1,2-Dibromoethane	8.917	107	60233	50.758	ug/L	94
51) Chlorobenzene	9.441	112	135716	49.491	ug/L	99
52) Ethylbenzene	9.563	91	228822	50.964	ug/L	99
53) m,p-Xylene	9.688	106	81973	50.828	ug/L	95
54) o-Xylene	10.094	106	83891	51.971	ug/L	97
55) Styrene	10.106	104	151637	52.590	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	127148	56.815	ug/L	97
59) Bromoform	10.283	173	44586	49.836	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	99036	57.655	ug/L	98
61) Isopropylbenzene	10.479	105	224586	52.103	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	176789	52.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	180940	52.835	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	107210	47.910	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	110704	48.979	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	117533	51.639	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	24974	53.742	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	71107	45.114	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	58304	42.946	ug/L	97
71) Naphthalene	14.081	128	173278	43.759	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	61284	44.072	ug/L	99

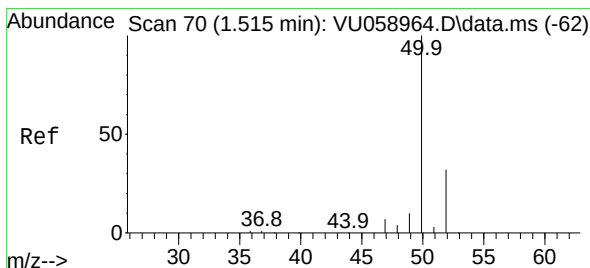
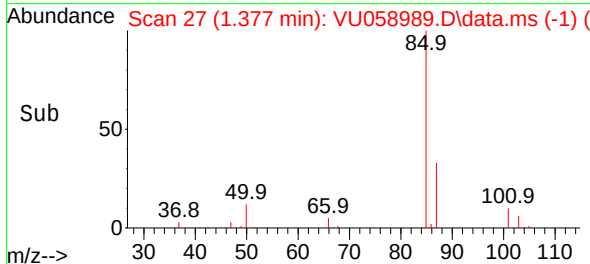
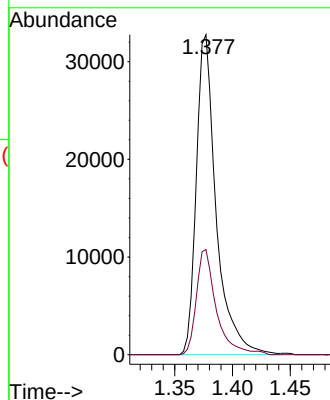
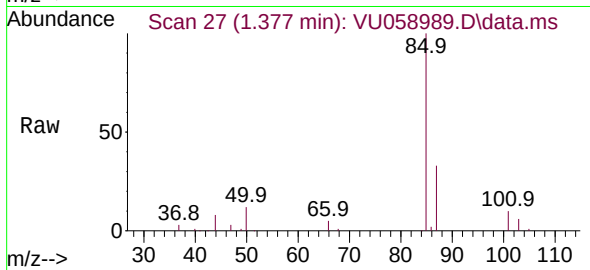
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 44.771 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: VU058989.D
 Acq: 25 May 2024 10:47

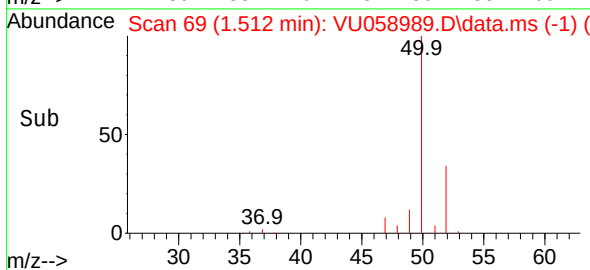
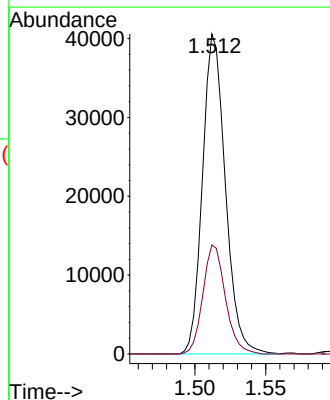
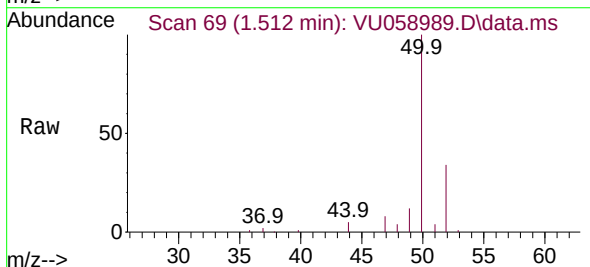
Instrument :
 MSVOA_U
 ClientSampleId :

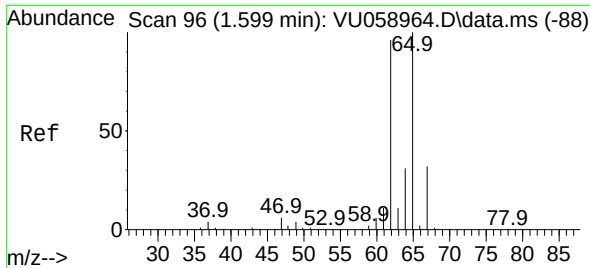
Tgt Ion: 85 Resp: 39253
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.7 38.5



#3
 Chloromethane
 Concen: 48.628 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.004 min
 Lab File: VU058989.D
 Acq: 25 May 2024 10:47

Tgt Ion: 50 Resp: 45686
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.9 44.3

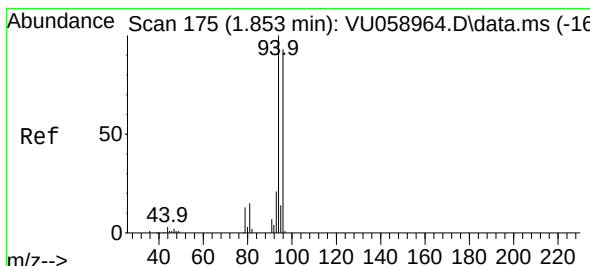
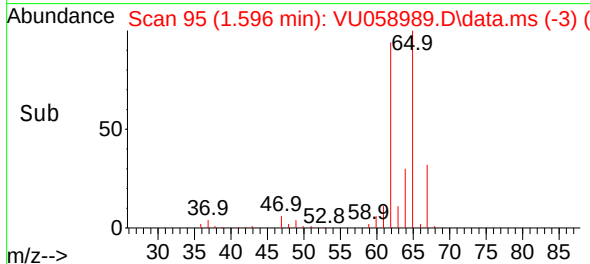
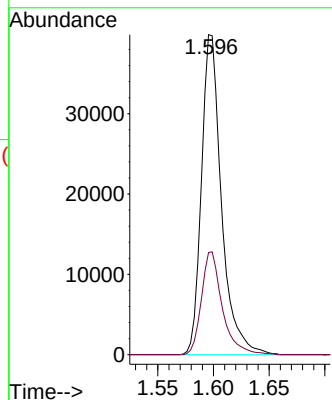
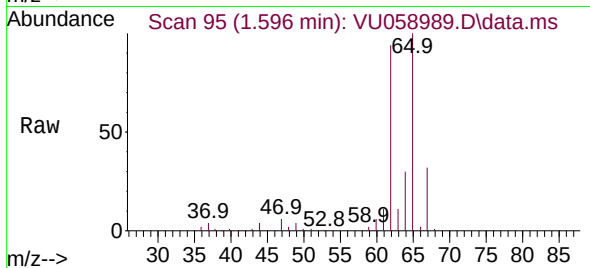




#5
 Vinyl chloride
 Concen: 45.532 ug/L
 RT: 1.596 min Scan# 96
 Delta R.T. -0.004 min
 Lab File: VU058989.D
 Acq: 25 May 2024 10:47

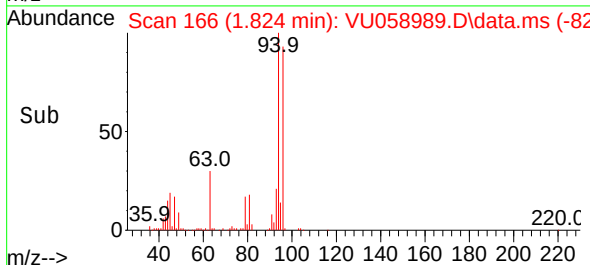
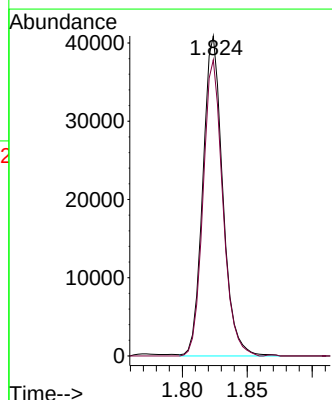
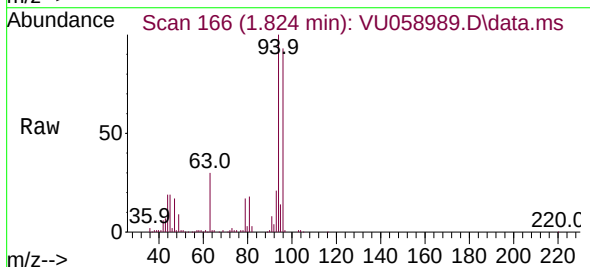
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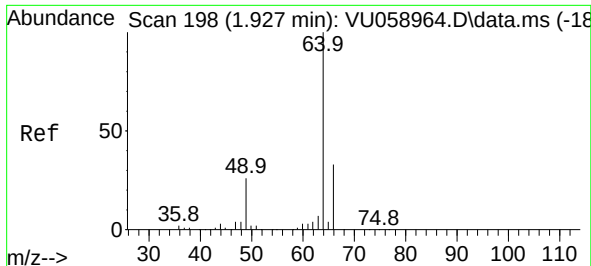
Tgt Ion: 62 Resp: 49953
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.7 43.9



#6
 Bromomethane
 Concen: 67.173 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. -0.029 min
 Lab File: VU058989.D
 Acq: 25 May 2024 10:47

Tgt Ion: 94 Resp: 43681
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.6 123.6

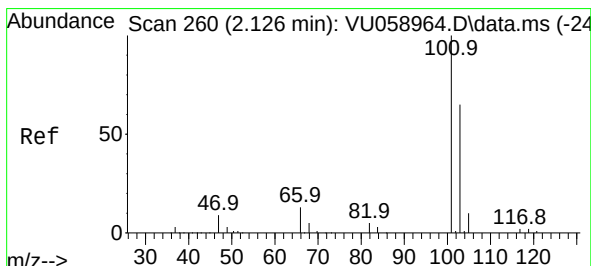
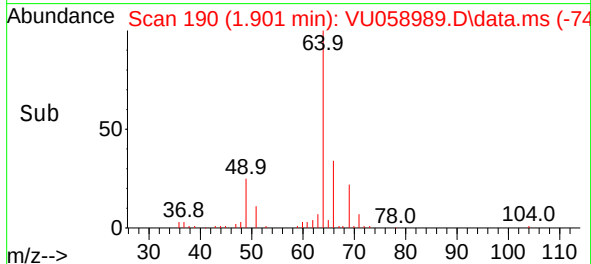
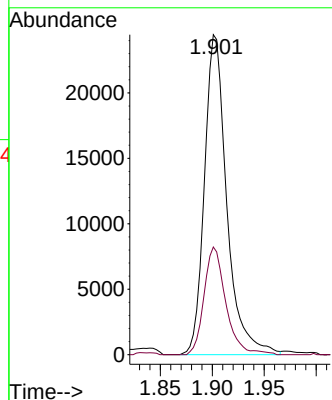
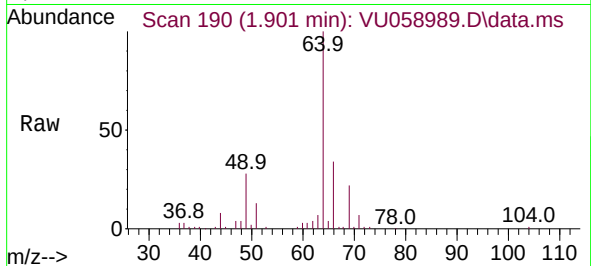




#8
Chloroethane
Concen: 48.714 ug/L
RT: 1.901 min Scan# 11
Delta R.T. -0.026 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

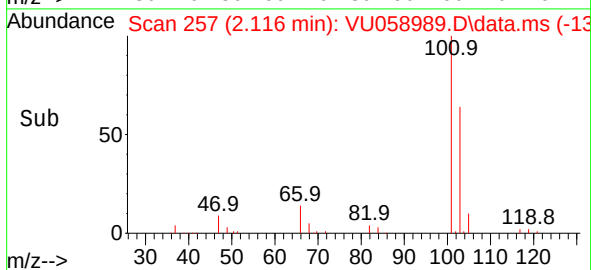
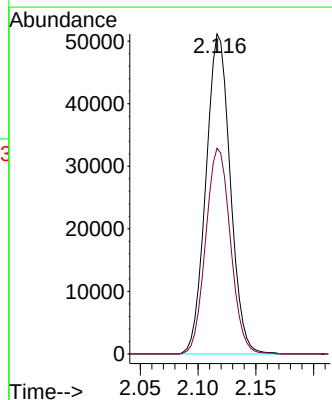
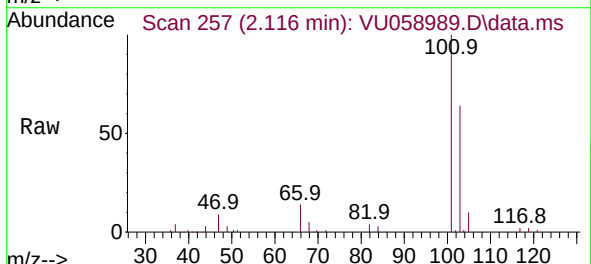
Instrument :
MSVOA_U
ClientSampleId :

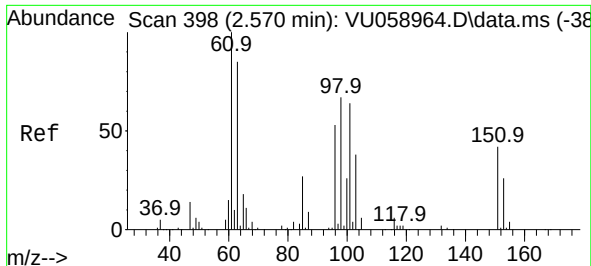
Tgt Ion: 64 Resp: 36651
Ion Ratio Lower Upper
64 100
66 33.6 22.7 42.1



#9
Trichlorofluoromethane
Concen: 50.246 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.010 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:101 Resp: 74977
Ion Ratio Lower Upper
101 100
103 65.5 51.6 77.4





#10

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

Concen: 44.817 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

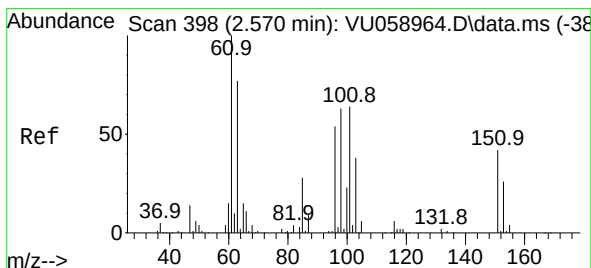
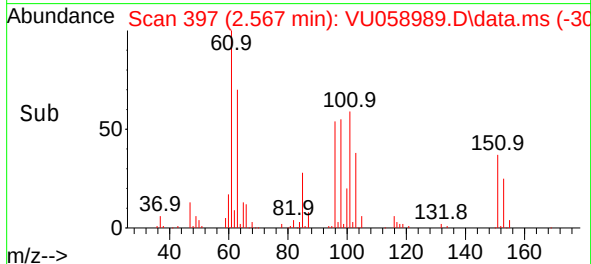
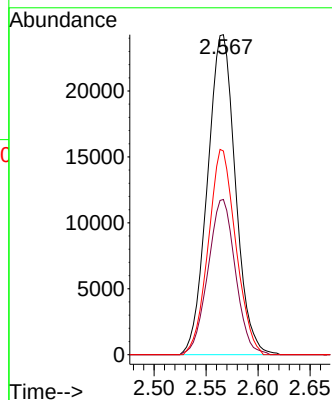
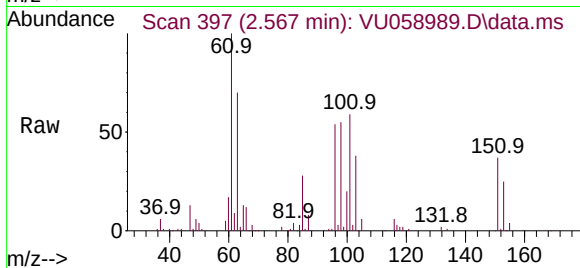
Tgt Ion:101 Resp: 45460

Ion Ratio Lower Upper

101 100

85 47.4 34.9 52.3

151 63.0 54.5 81.7



#12

1,1-Dichloroethene

Concen: 46.213 ug/L

RT: 2.563 min Scan# 396

Delta R.T. -0.007 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

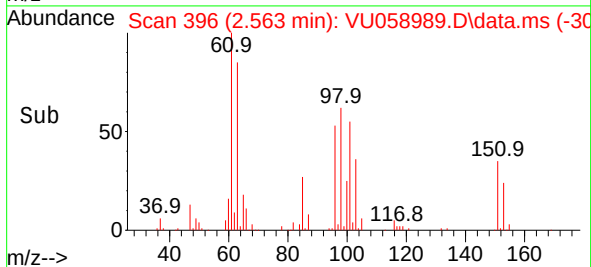
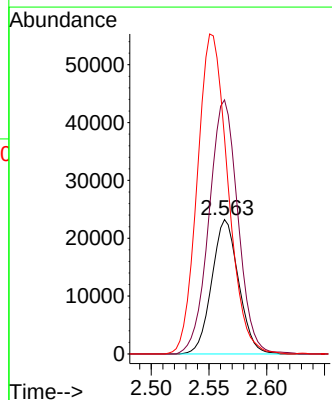
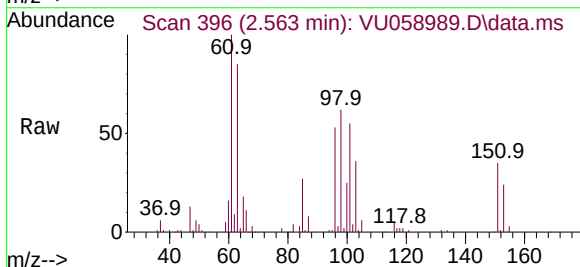
Tgt Ion: 96 Resp: 37517

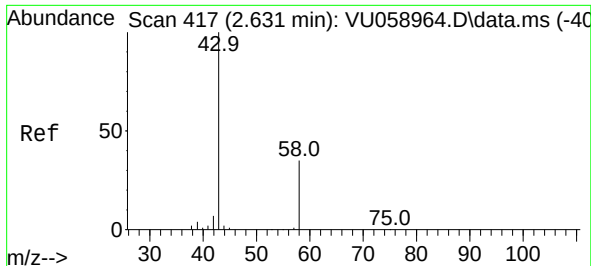
Ion Ratio Lower Upper

96 100

61 189.0 122.2 227.0

63 160.7 102.8 190.8





#13

Acetone

Concen: 78.297 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

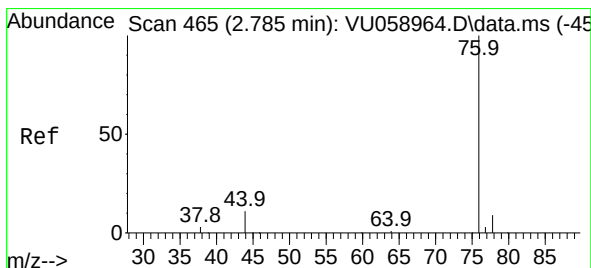
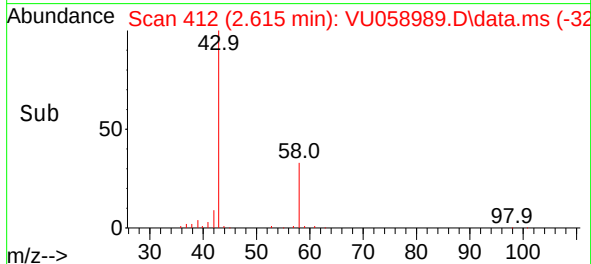
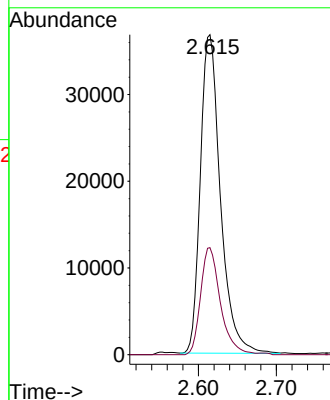
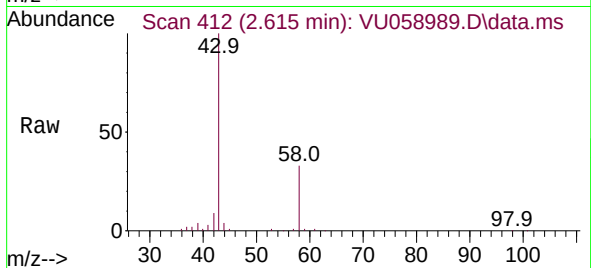
ClientSampleId :

Tgt Ion: 43 Resp: 65722

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.2



#14

Carbon disulfide

Concen: 42.062 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.010 min

Lab File: VU058989.D

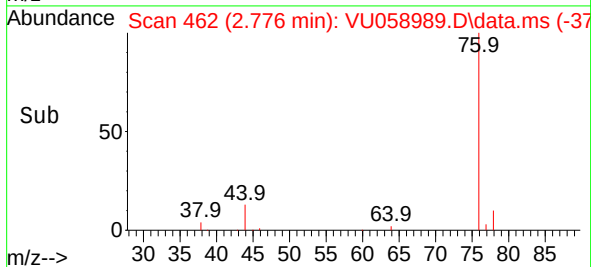
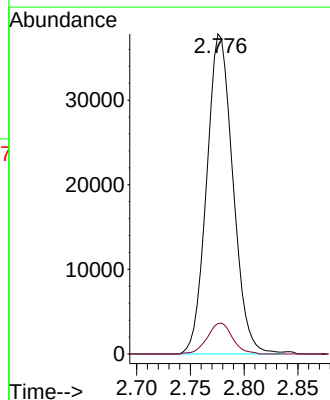
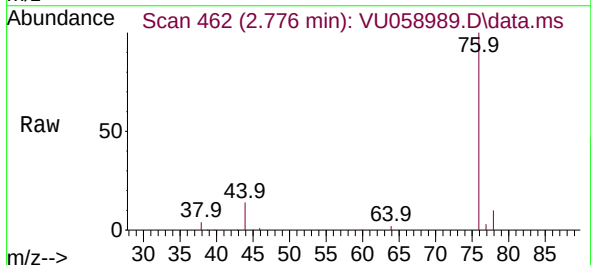
Acq: 25 May 2024 10:47

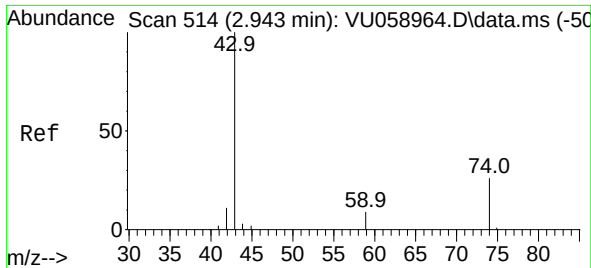
Tgt Ion: 76 Resp: 64244

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7





#15

Methyl Acetate

Concen: 54.217 ug/L

RT: 2.936 min Scan# 51

Delta R.T. -0.007 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

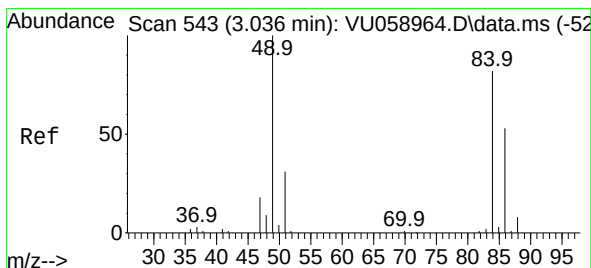
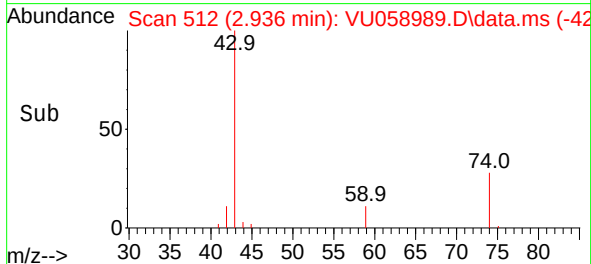
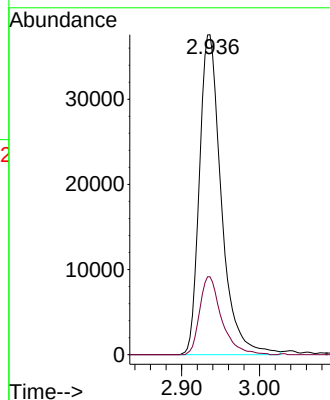
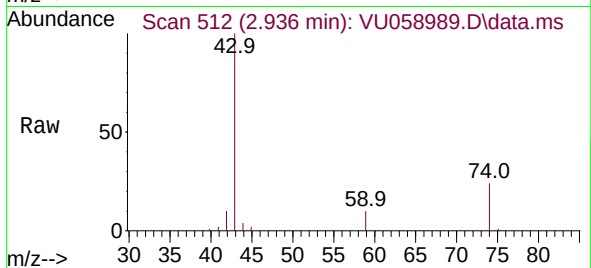
ClientSampleId :

Tgt Ion: 43 Resp: 73341

Ion Ratio Lower Upper

43 100

74 24.3 19.8 29.8



#16

Methylene chloride

Concen: 45.600 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.007 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

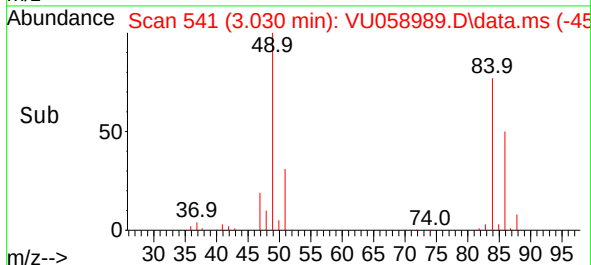
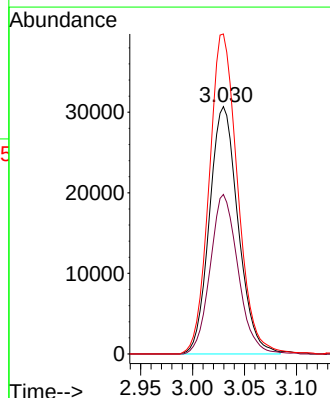
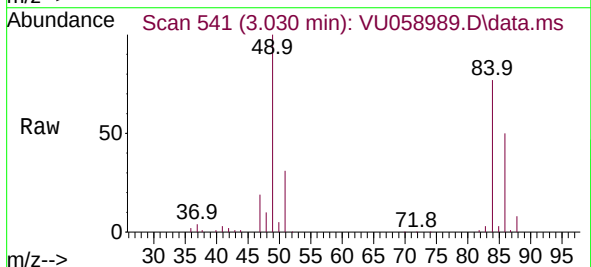
Tgt Ion: 84 Resp: 59052

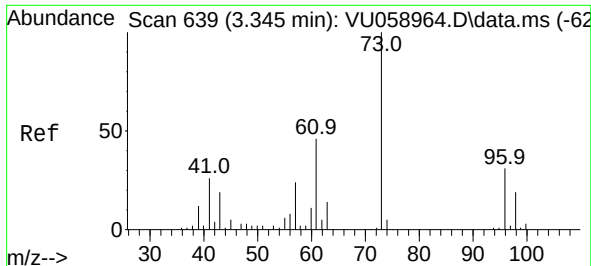
Ion Ratio Lower Upper

84 100

86 64.5 44.9 83.5

49 129.3 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 46.722 ug/L

RT: 3.338 min Scan# 61

Delta R.T. -0.007 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

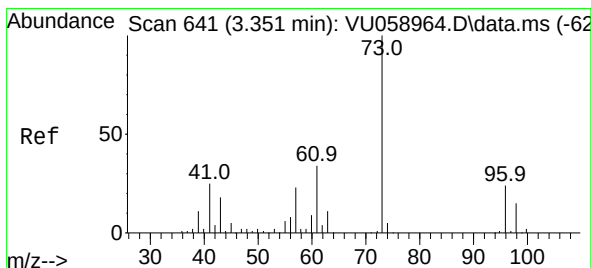
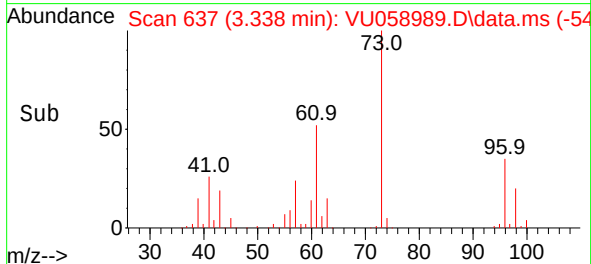
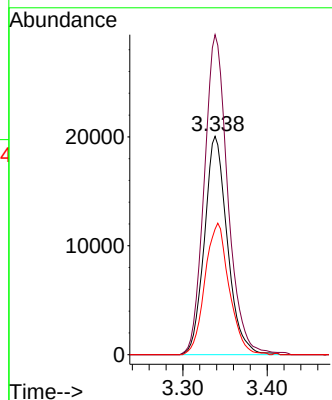
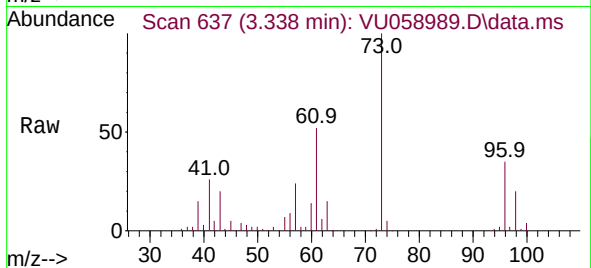
Tgt Ion: 96 Resp: 38105

Ion Ratio Lower Upper

96 100

61 146.6 103.5 192.1

98 57.6 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 52.628 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

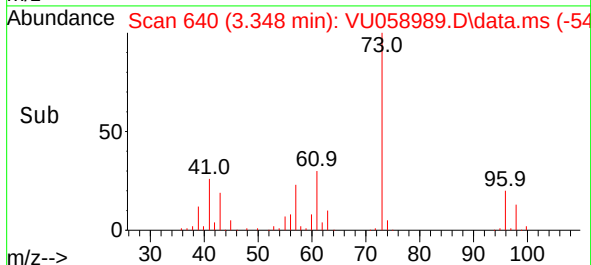
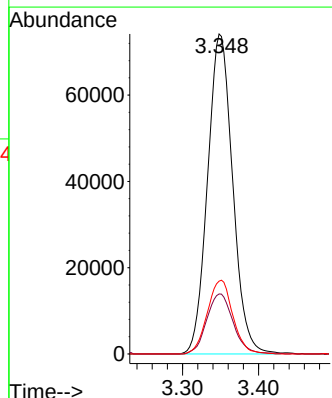
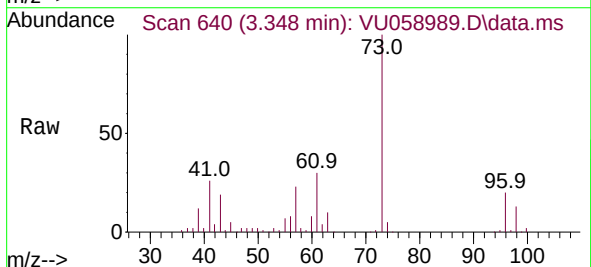
Tgt Ion: 73 Resp: 169890

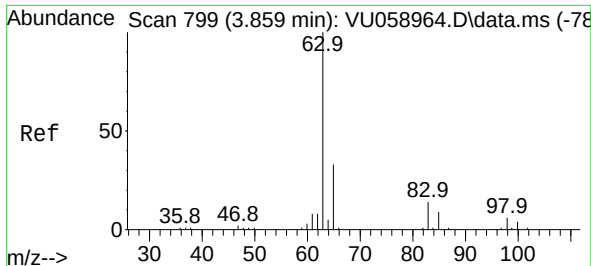
Ion Ratio Lower Upper

73 100

43 19.9 15.4 23.2

57 23.4 18.6 27.8





#19

1,1-Dichloroethane

Concen: 52.669 ug/L

RT: 3.856 min Scan# 70

Delta R.T. -0.004 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

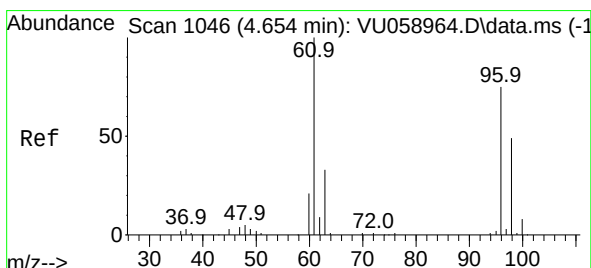
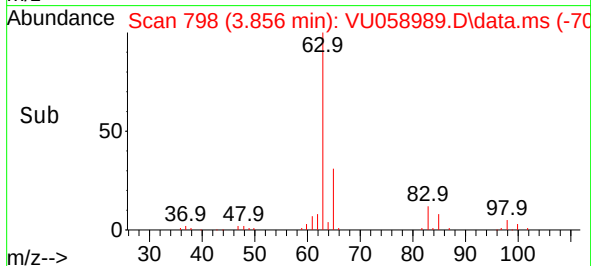
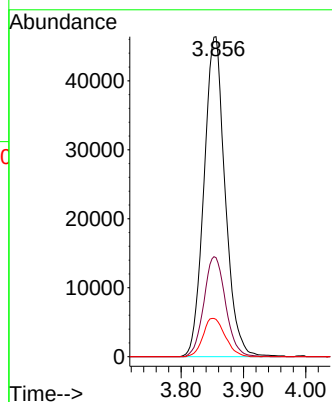
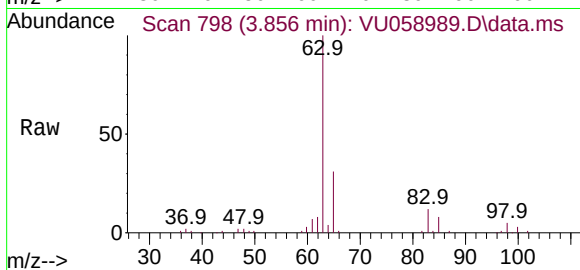
Tgt Ion: 63 Resp: 109424

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.3

83 11.7 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 49.453 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.004 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

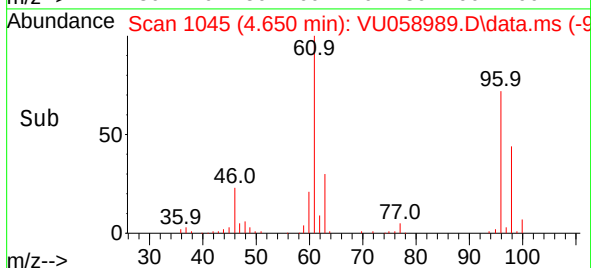
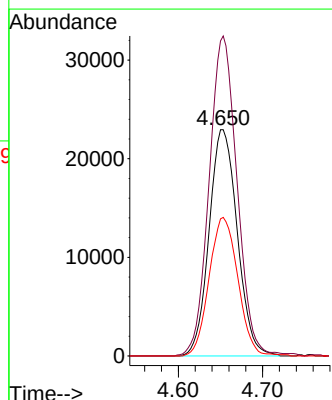
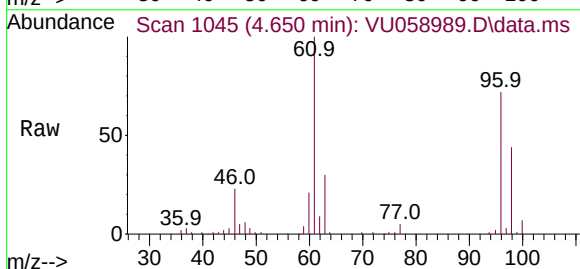
Tgt Ion: 96 Resp: 53387

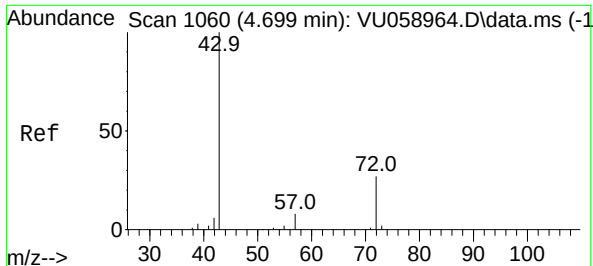
Ion Ratio Lower Upper

96 100

61 139.3 91.1 169.3

98 60.6 44.4 82.4

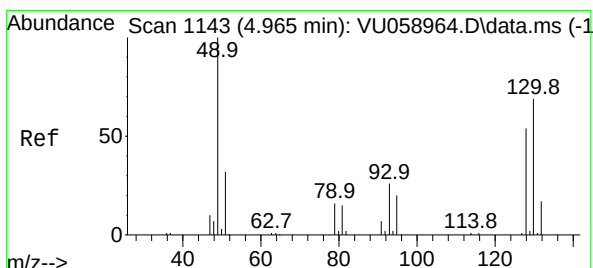
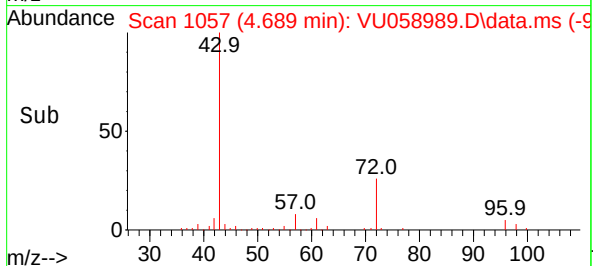
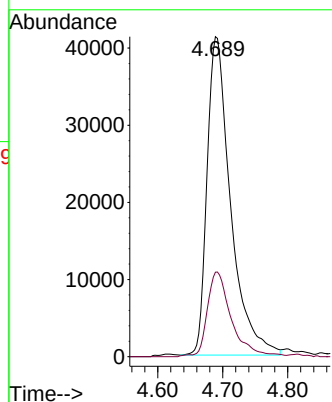
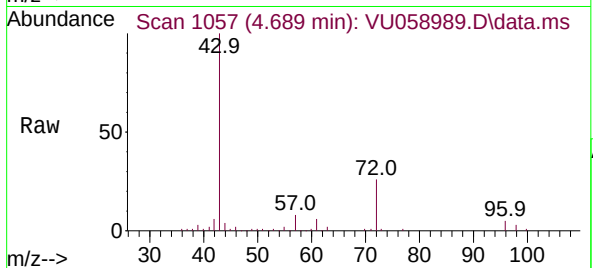




#22
2-Butanone
Concen: 95.070 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.010 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

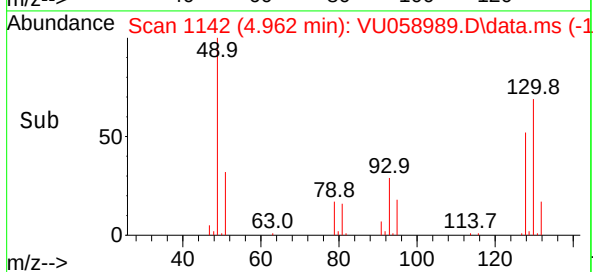
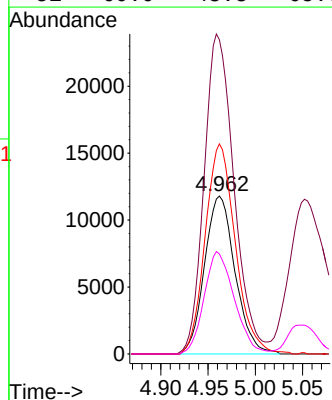
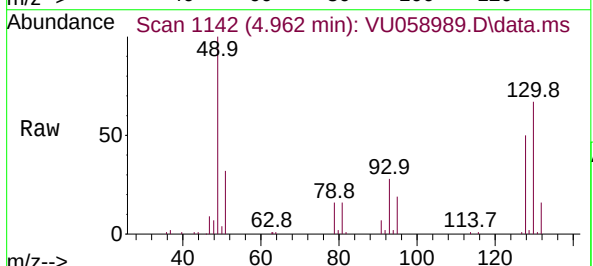
Instrument :
MSVOA_U
ClientSampleId :

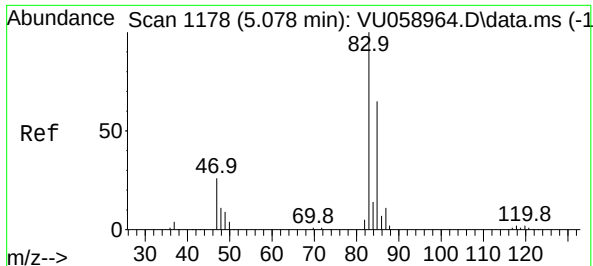
Tgt Ion: 43 Resp: 103952
Ion Ratio Lower Upper
43 100
72 26.2 13.9 41.7



#23
Bromochloromethane
Concen: 47.041 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.003 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:128 Resp: 26473
Ion Ratio Lower Upper
128 100
49 191.6 123.8 229.8
130 128.0 90.6 168.2
51 60.9 43.8 65.6





#25

Chloroform

Concen: 50.842 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.004 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

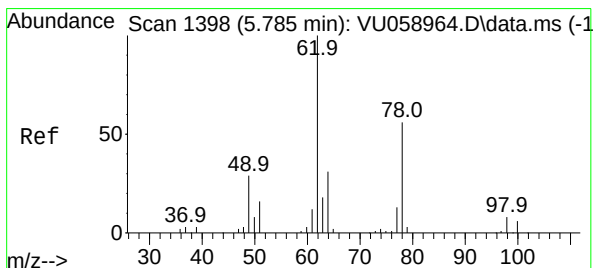
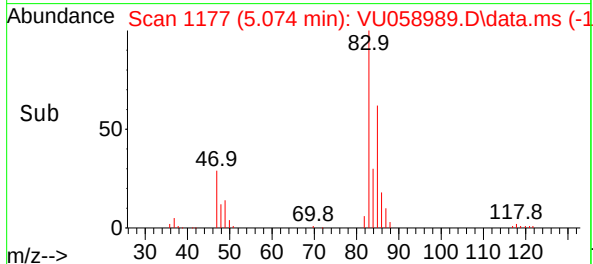
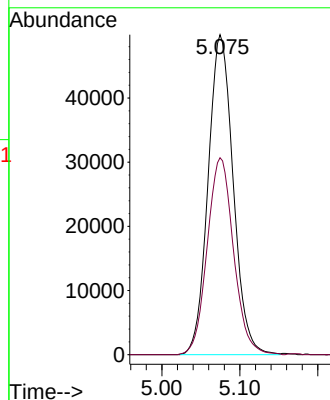
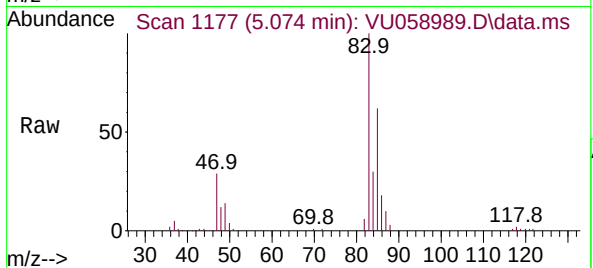
ClientSampleId :

Tgt Ion: 83 Resp: 111524

Ion Ratio Lower Upper

83 100

85 61.6 43.8 81.3



#27

1,2-Dichloroethane

Concen: 51.884 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.004 min

Lab File: VU058989.D

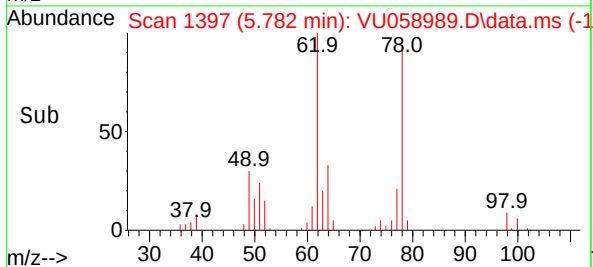
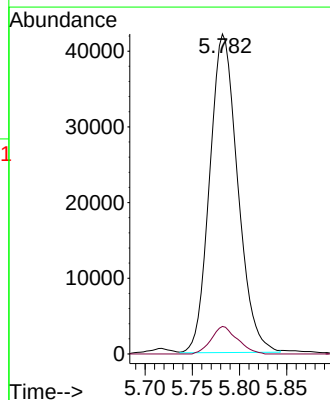
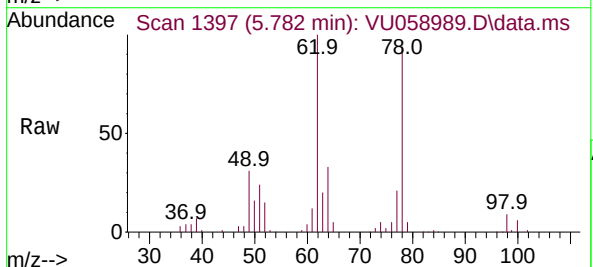
Acq: 25 May 2024 10:47

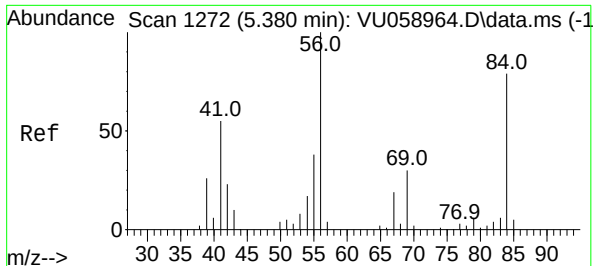
Tgt Ion: 62 Resp: 86870

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4





#29

Cyclohexane

Concen: 54.224 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU058989.D

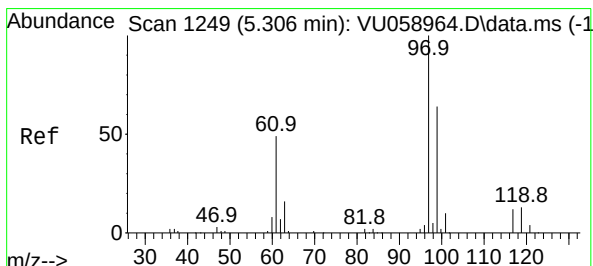
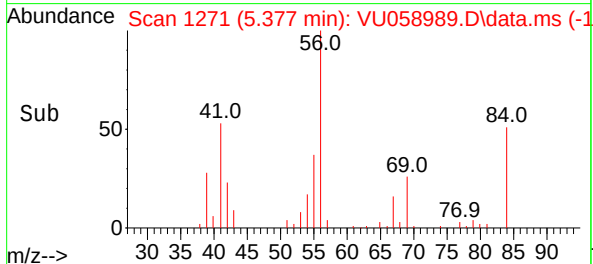
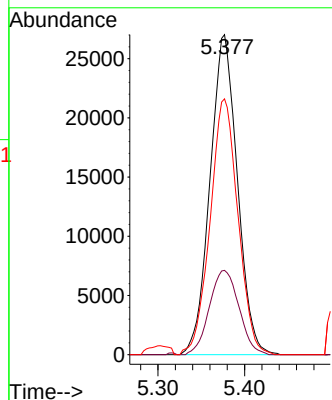
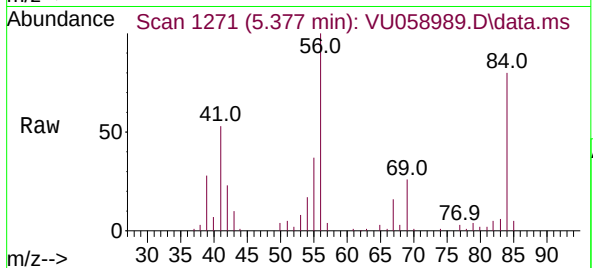
Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 56	Resp: 59419
Ion Ratio	Lower Upper
56	100
69	28.4 24.3 36.5
84	81.1 66.7 100.1



#30

1,1,1-Trichloroethane

Concen: 52.805 ug/L

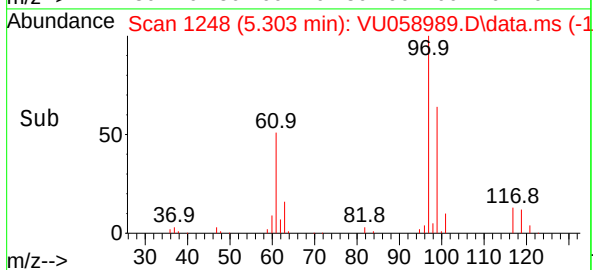
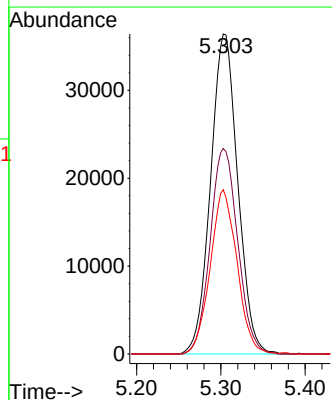
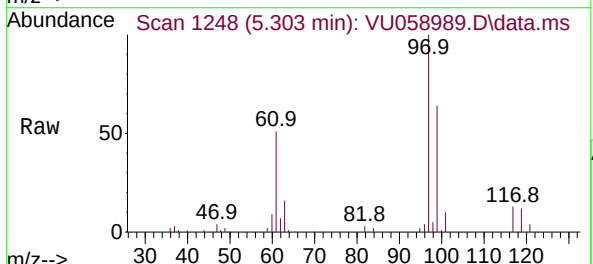
RT: 5.303 min Scan# 1248

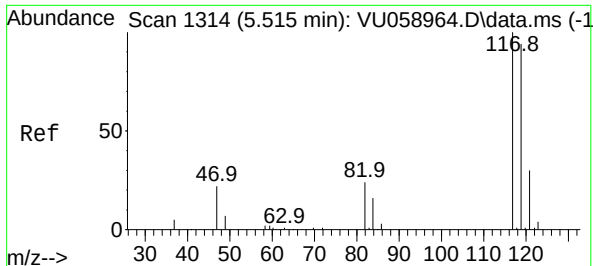
Delta R.T. -0.004 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Tgt Ion: 97	Resp: 81593
Ion Ratio	Lower Upper
97	100
99	65.2 51.8 77.8
61	50.5 38.9 58.3

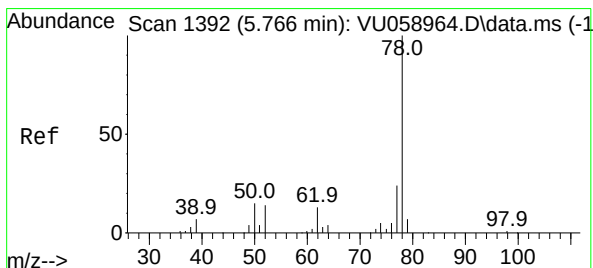
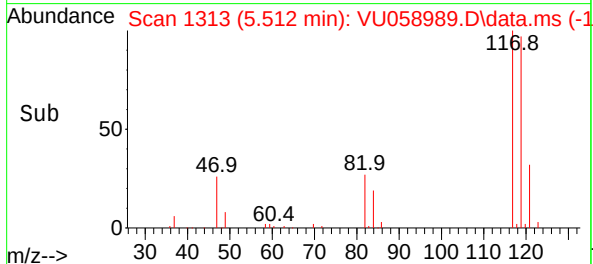
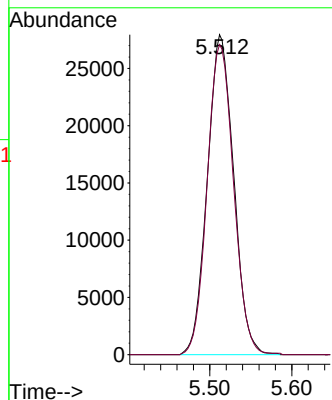
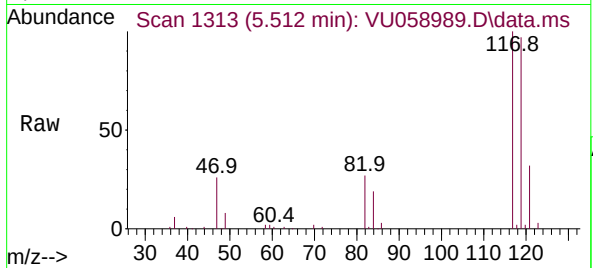




#31
Carbon tetrachloride
Concen: 49.954 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

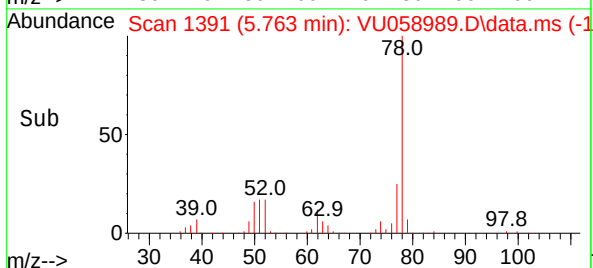
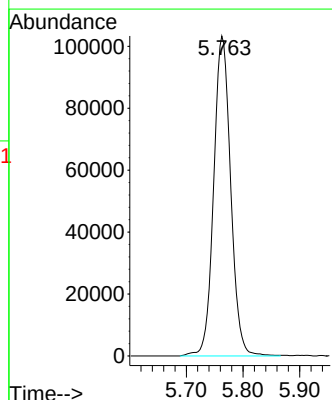
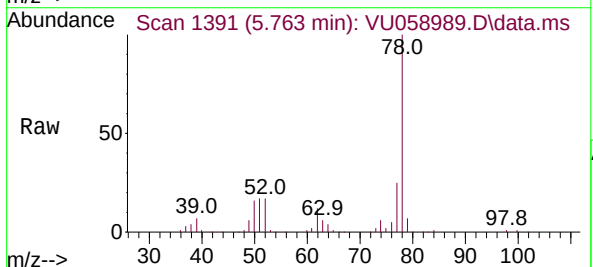
Instrument :
MSVOA_U
ClientSampleId :

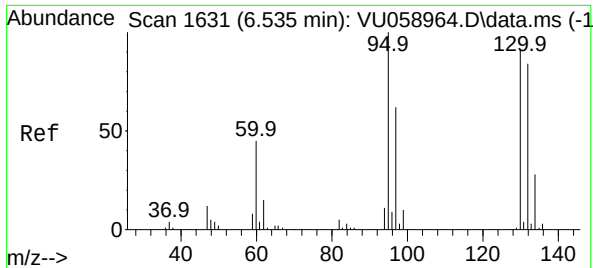
Tgt Ion:117 Resp: 62346
Ion Ratio Lower Upper
117 100
119 97.1 77.4 116.0



#33
Benzene
Concen: 55.677 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion: 78 Resp: 215497



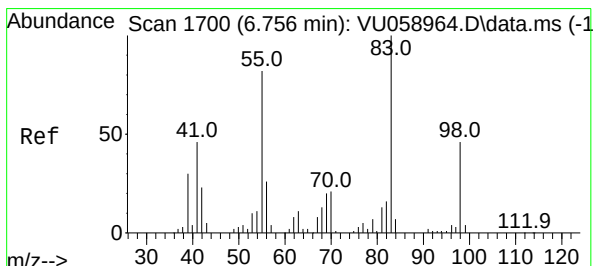
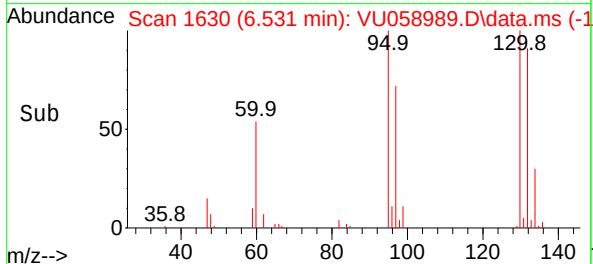
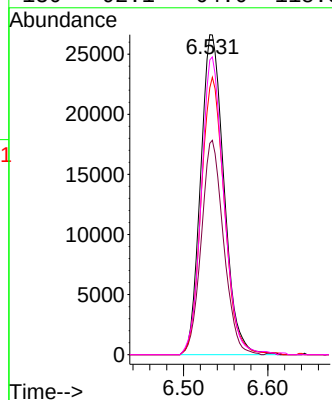
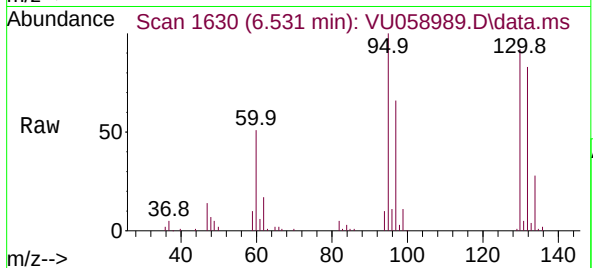


#34
Trichloroethene
Concen: 49.997 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.004 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 51360

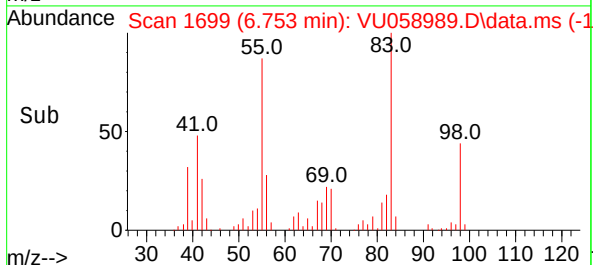
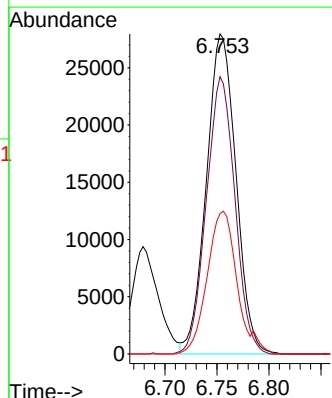
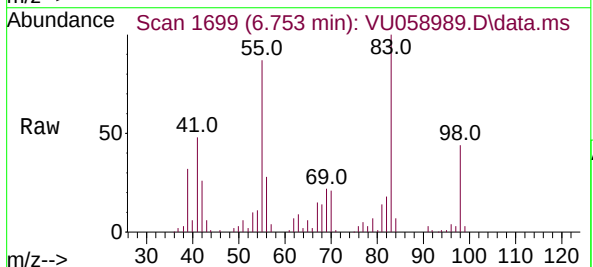
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.9	85.3
132	83.4	60.5	112.5
130	92.1	64.0	118.8

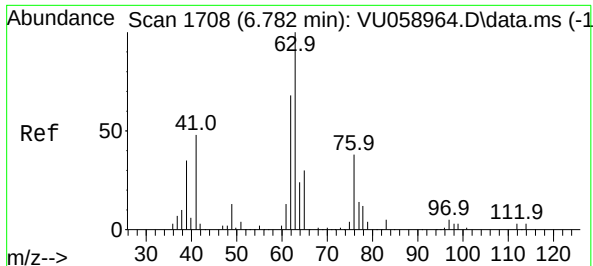


#35
Methylcyclohexane
Concen: 45.989 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion: 83 Resp: 55373

Ion	Ratio	Lower	Upper
83	100		
55	83.6	61.5	92.3
98	43.0	36.2	54.2

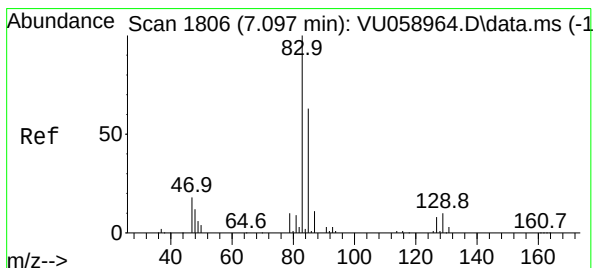
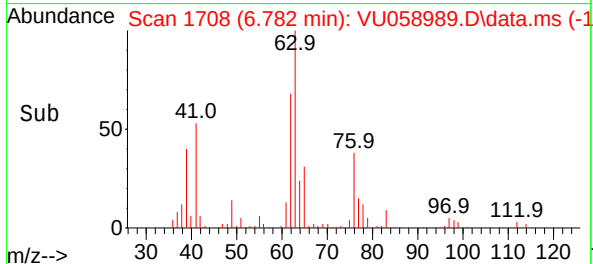
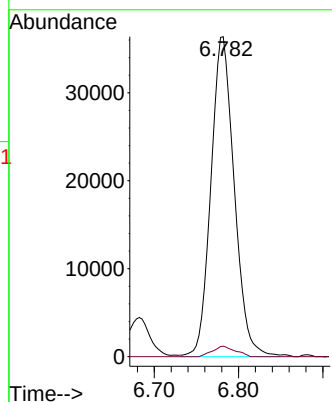
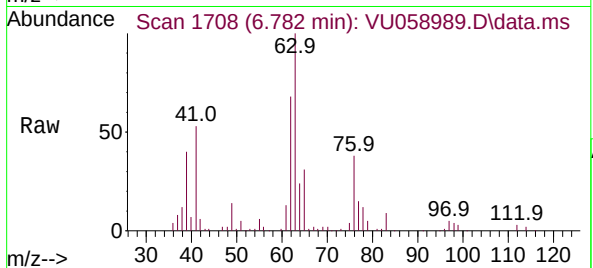




#37
1,2-Dichloropropane
Concen: 55.690 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

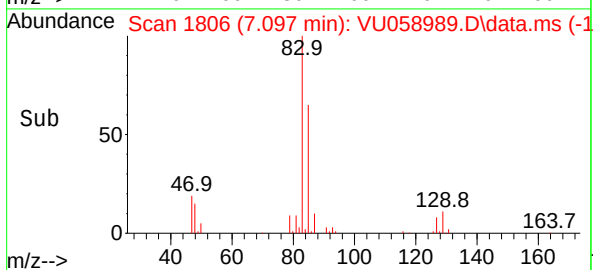
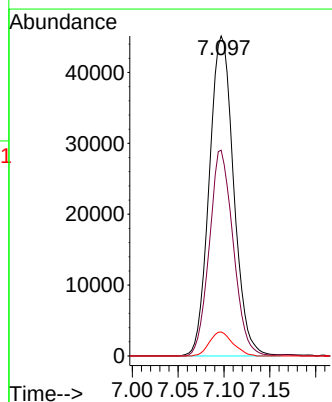
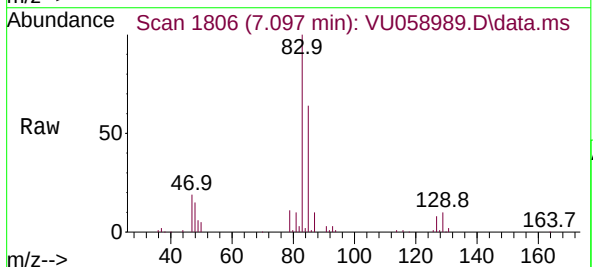
Instrument :
MSVOA_U
ClientSampleId :

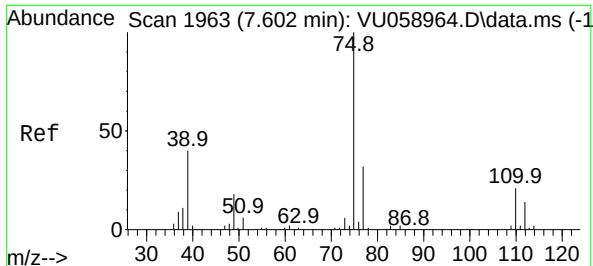
Tgt Ion: 63 Resp: 70052
Ion Ratio Lower Upper
63 100
112 3.2 2.5 3.7



#38
Bromodichloromethane
Concen: 53.496 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion: 83 Resp: 83628
Ion Ratio Lower Upper
83 100
85 64.3 43.5 80.9
127 7.5 5.8 8.6

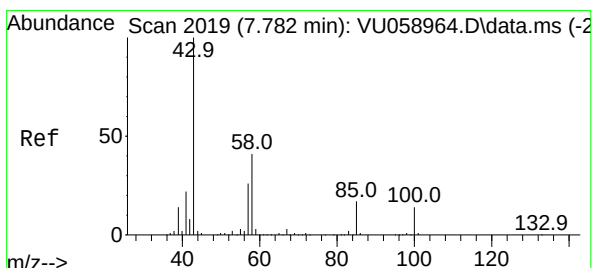
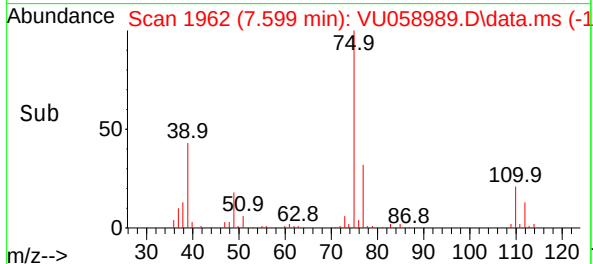
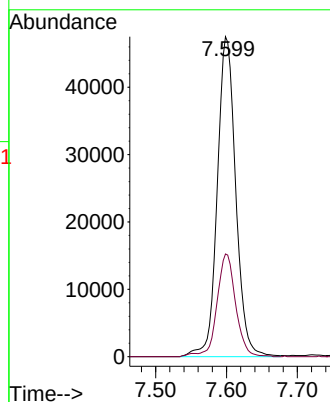
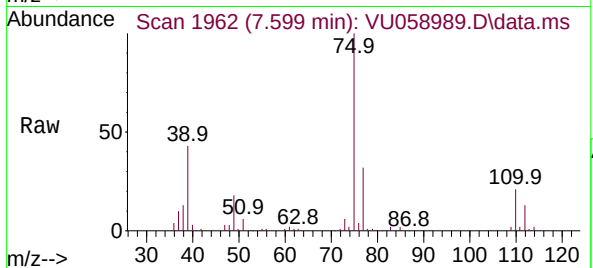




#39
cis-1,3-Dichloropropene
Concen: 49.719 ug/L
RT: 7.599 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

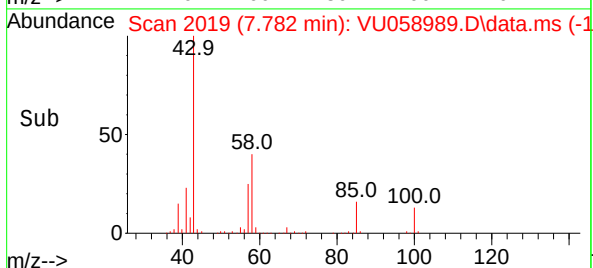
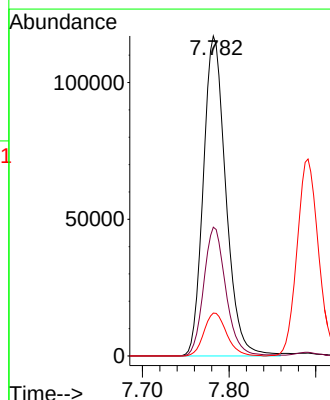
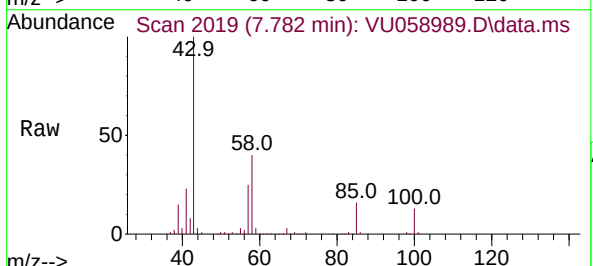
Instrument :
MSVOA_U
ClientSampleId :

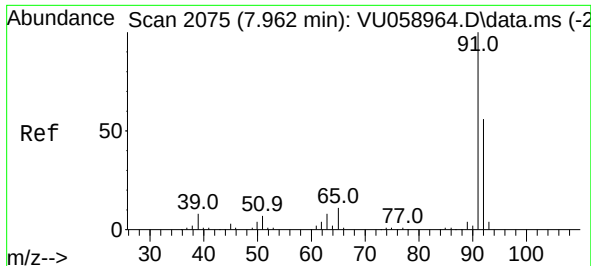
Tgt Ion: 75 Resp: 86147
Ion Ratio Lower Upper
75 100
77 33.3 22.5 41.7



#40
4-Methyl-2-pentanone
Concen: 117.919 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion: 43 Resp: 211448
Ion Ratio Lower Upper
43 100
58 39.6 33.5 50.3
100 13.5 11.8 17.8





#42

Toluene

Concen: 52.570 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

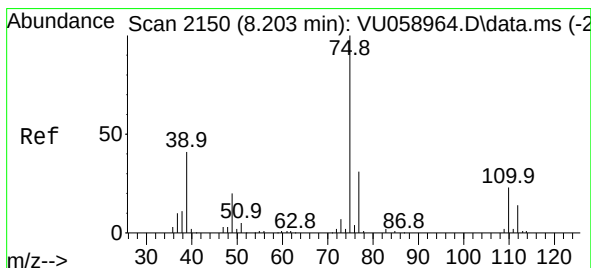
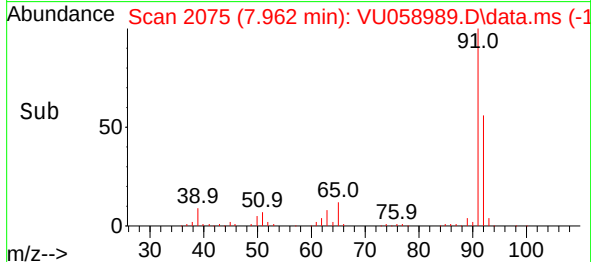
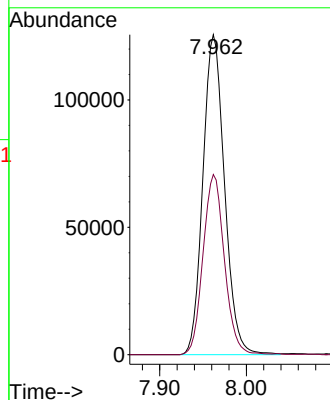
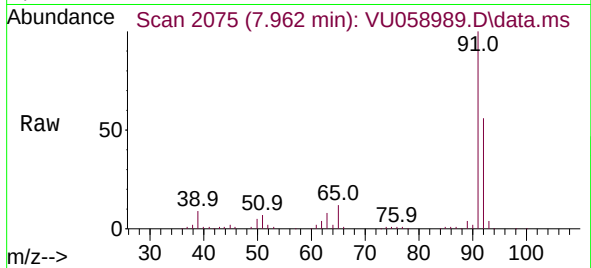
ClientSampleId :

Tgt Ion: 91 Resp: 218103

Ion Ratio Lower Upper

91 100

92 56.3 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 49.022 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU058989.D

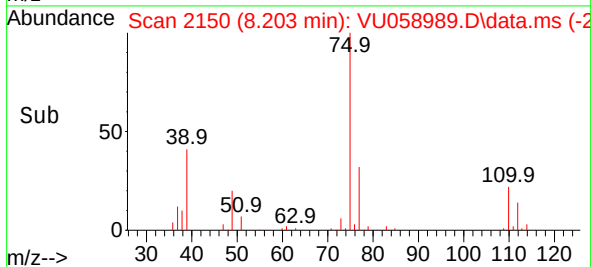
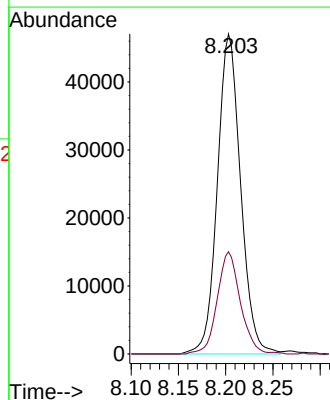
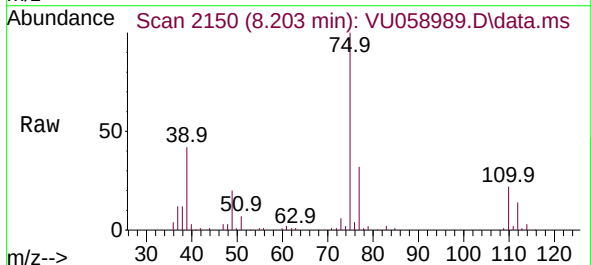
Acq: 25 May 2024 10:47

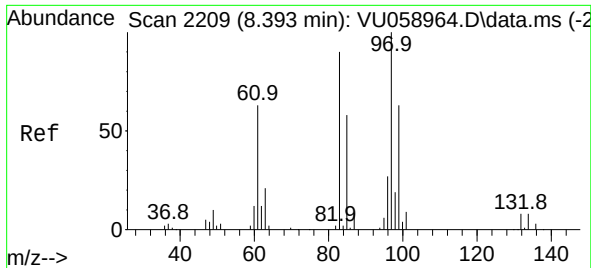
Tgt Ion: 75 Resp: 80406

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8

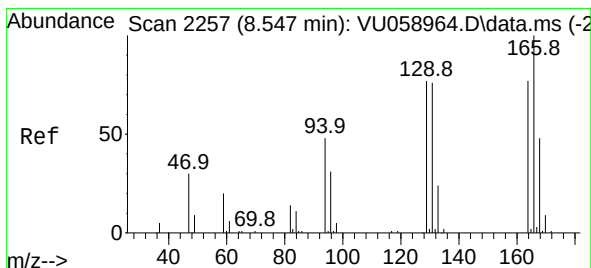
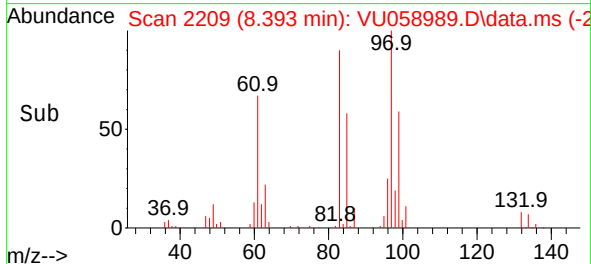
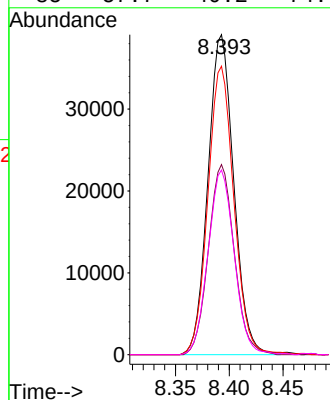
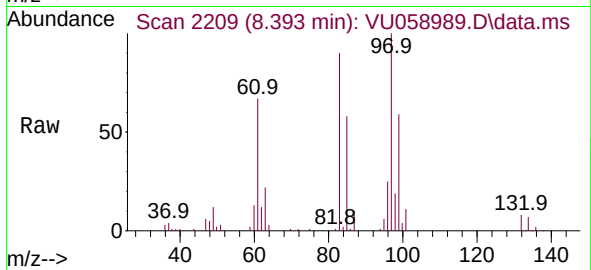




#45
1,1,2-Trichloroethane
Concen: 52.603 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

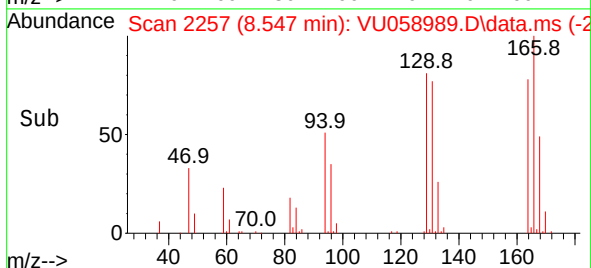
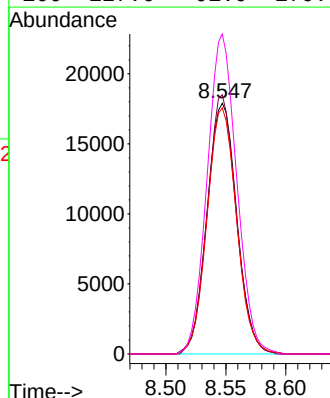
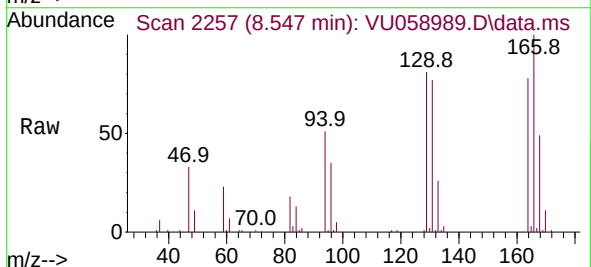
Instrument :
MSVOA_U
ClientSampleId :

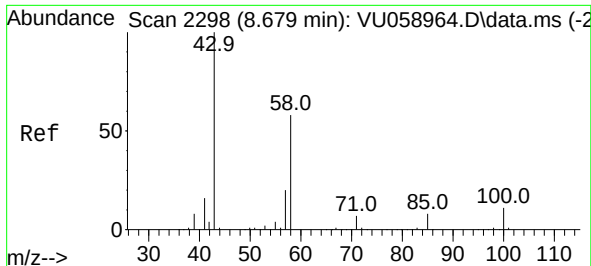
Tgt Ion:	97	Resp:	65326
Ion	Ratio	Lower	Upper
97	100		
99	59.4	42.6	79.2
83	90.2	62.2	115.6
85	57.7	40.2	74.6



#46
Tetrachloroethene
Concen: 45.229 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:	164	Resp:	30979
Ion	Ratio	Lower	Upper
164	100		
129	103.4	70.6	131.0
131	98.1	69.2	128.6
166	127.6	91.9	170.7





#48

2-Hexanone

Concen: 112.143 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.004 min

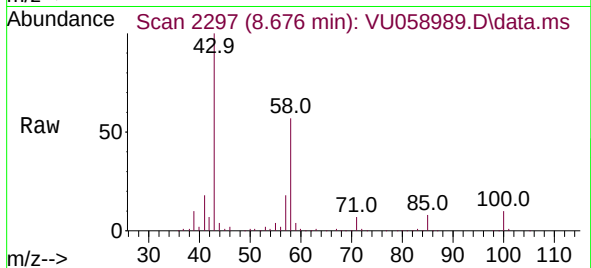
Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 165575

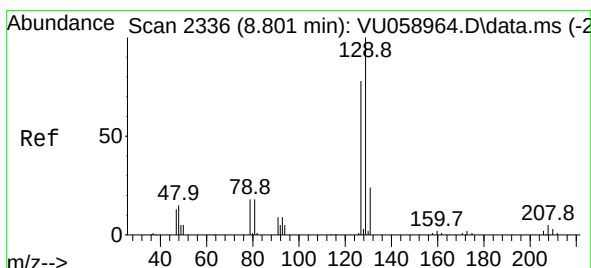
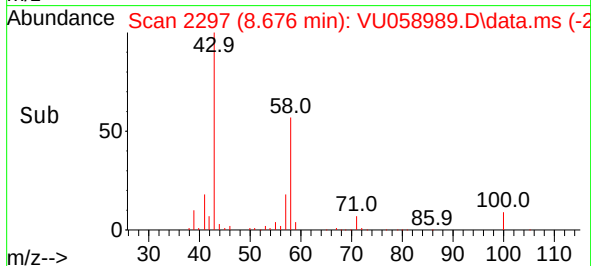
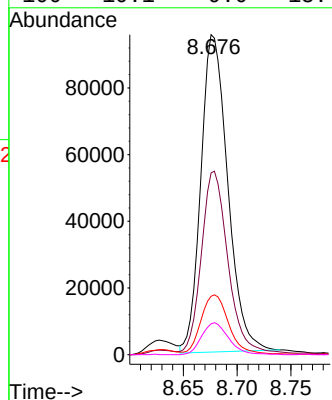
Ion Ratio Lower Upper

43 100

58 57.0 47.8 71.6

57 19.0 15.7 23.5

100 10.1 9.0 13.4



#49

Dibromochloromethane

Concen: 48.464 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU058989.D

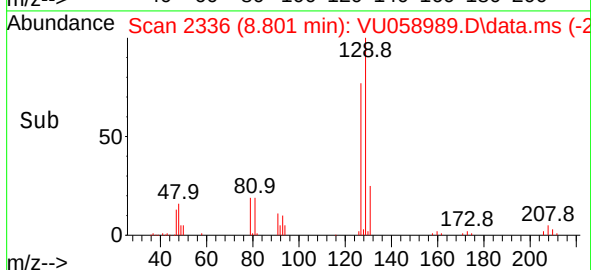
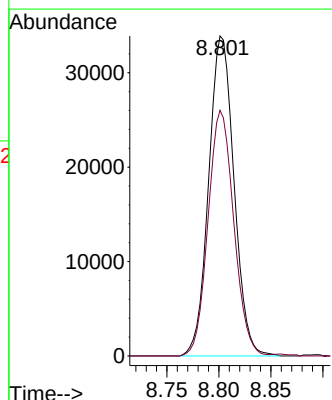
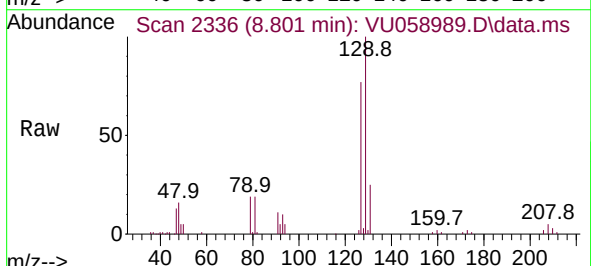
Acq: 25 May 2024 10:47

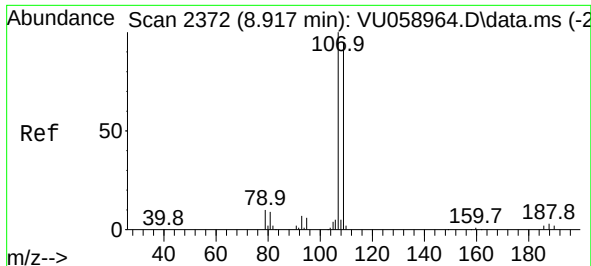
Tgt Ion:129 Resp: 57514

Ion Ratio Lower Upper

129 100

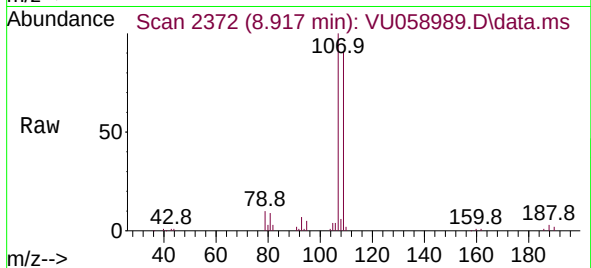
127 76.8 56.8 105.4



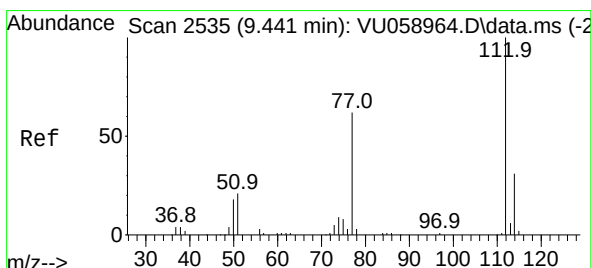
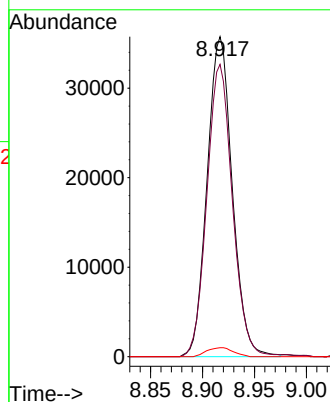
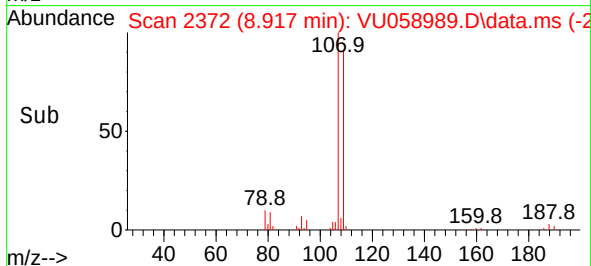


#50
1,2-Dibromoethane
Concen: 50.758 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Instrument :
MSVOA_U
ClientSampleId :

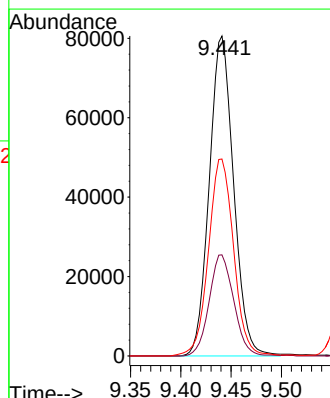
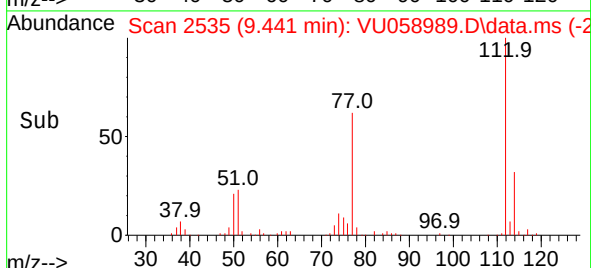
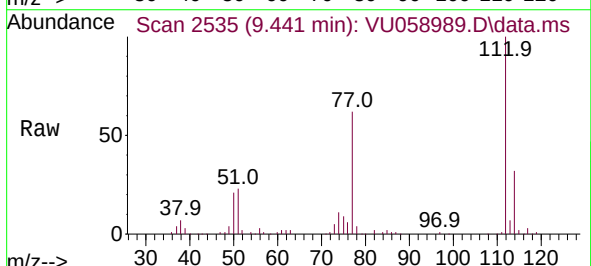


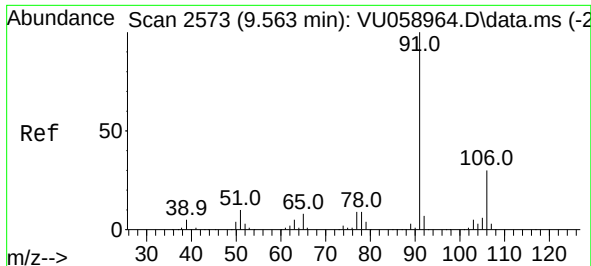
Tgt Ion:107 Resp: 60233
Ion Ratio Lower Upper
107 100
109 91.4 68.0 126.2
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 49.491 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:112 Resp: 135716
Ion Ratio Lower Upper
112 100
114 31.6 21.8 40.6
77 61.5 48.8 73.2





#52

Ethylbenzene

Concen: 50.964 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

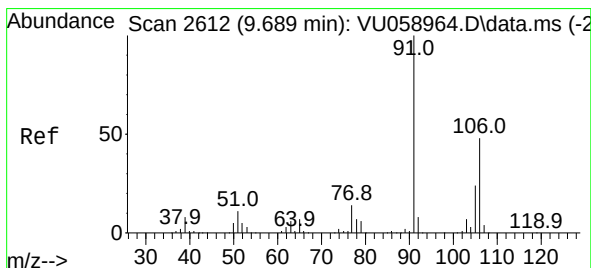
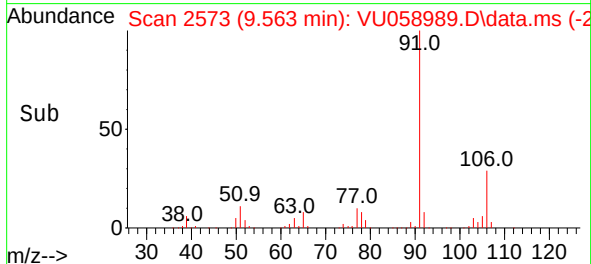
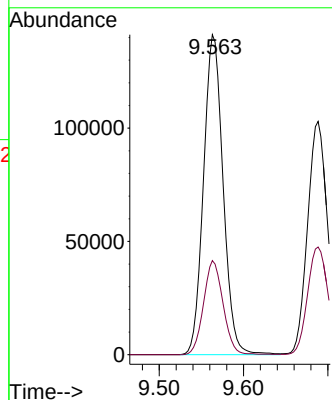
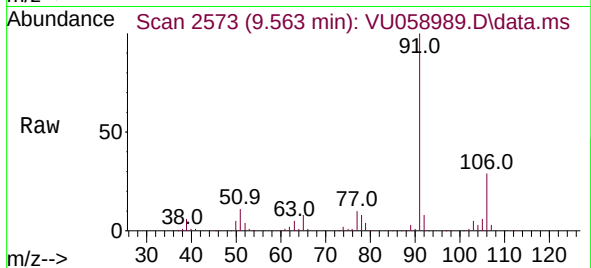
ClientSampleId :

Tgt Ion: 91 Resp: 228822

Ion Ratio Lower Upper

91 100

106 29.4 20.8 38.6



#53

m,p-Xylene

Concen: 50.828 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU058989.D

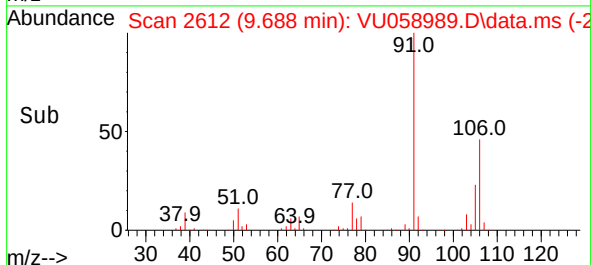
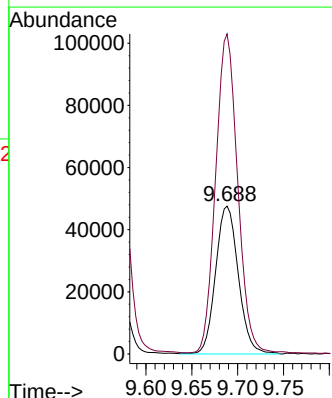
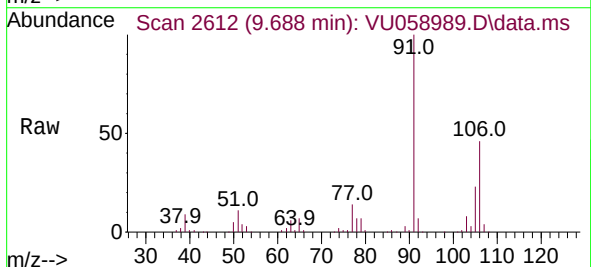
Acq: 25 May 2024 10:47

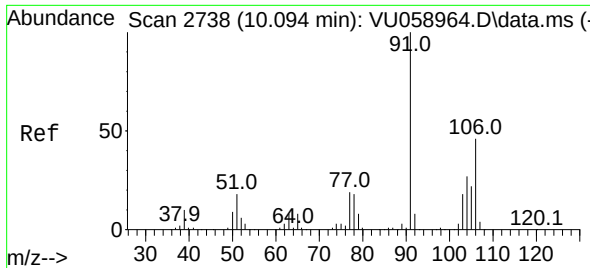
Tgt Ion:106 Resp: 81973

Ion Ratio Lower Upper

106 100

91 216.5 145.7 270.7

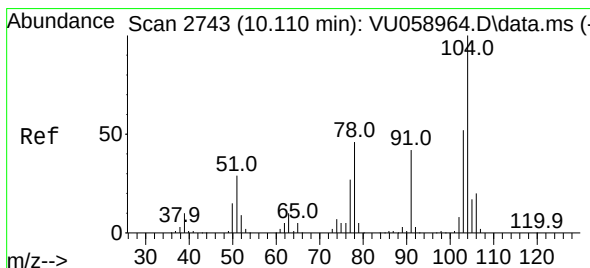
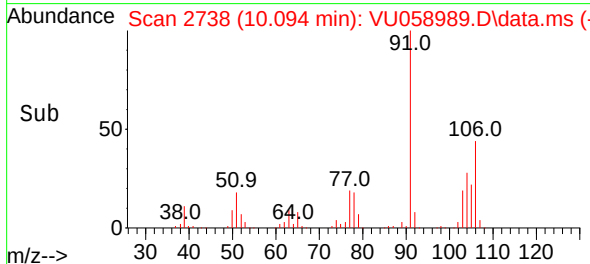
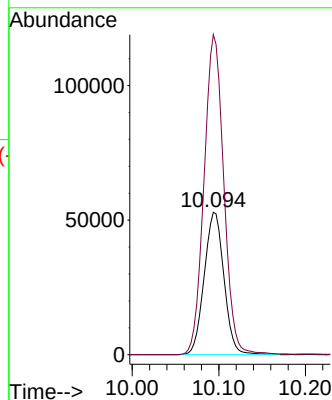
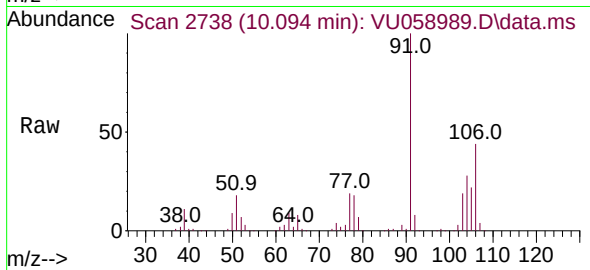




#54
o-Xylene
Concen: 51.971 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

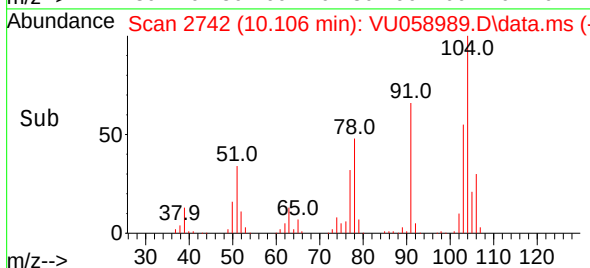
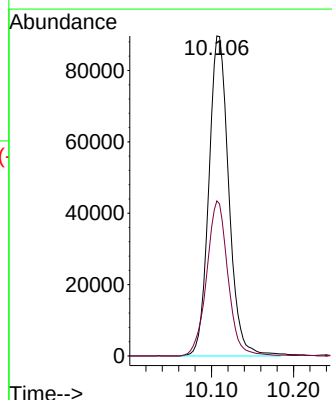
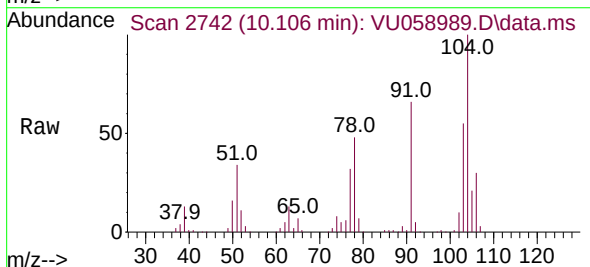
Instrument :
MSVOA_U
ClientSampleId :

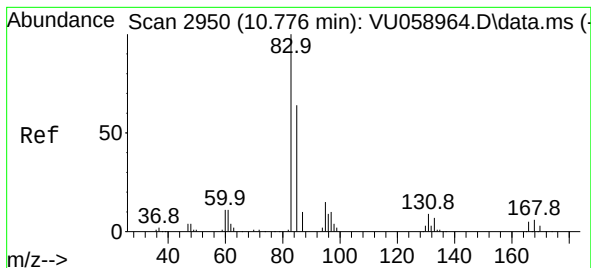
Tgt Ion:106 Resp: 83891
Ion Ratio Lower Upper
106 100
91 224.8 154.0 286.0



#55
Styrene
Concen: 52.590 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.004 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:104 Resp: 151637
Ion Ratio Lower Upper
104 100
78 48.5 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 56.815 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

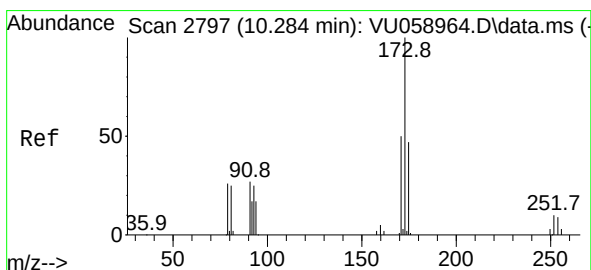
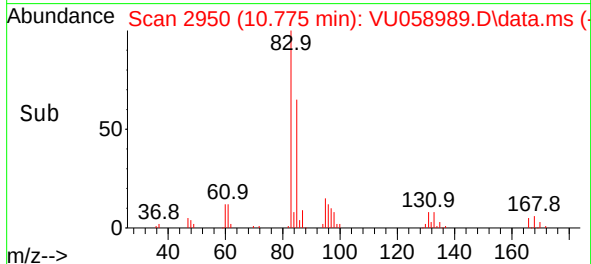
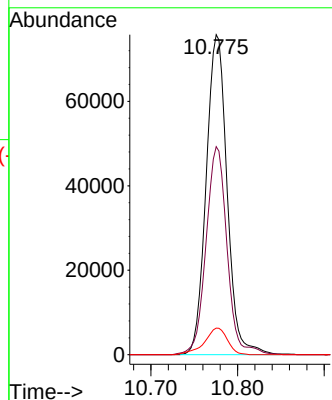
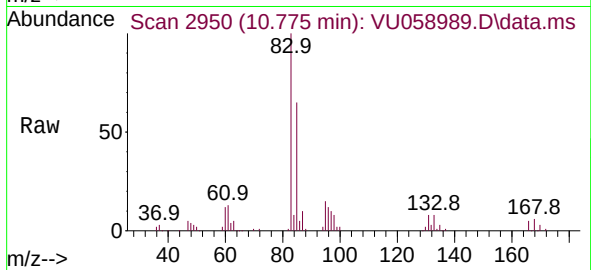
Tgt Ion: 83 Resp: 127148

Ion Ratio Lower Upper

83 100

85 65.0 43.5 80.9

131 8.3 7.1 10.7



#59

Bromoform

Concen: 49.836 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

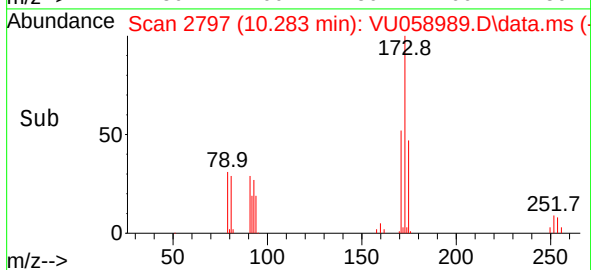
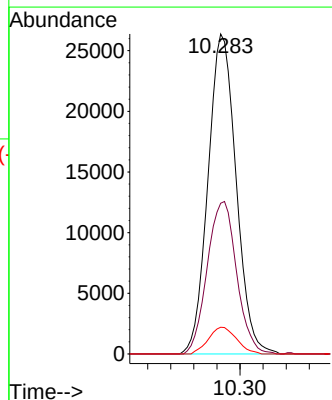
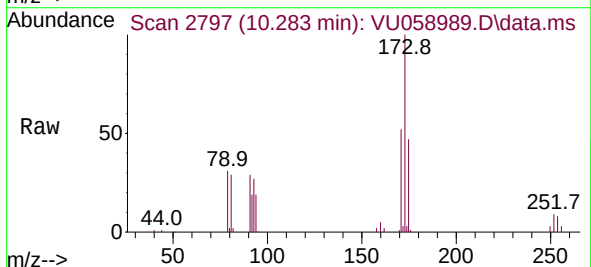
Tgt Ion:173 Resp: 44586

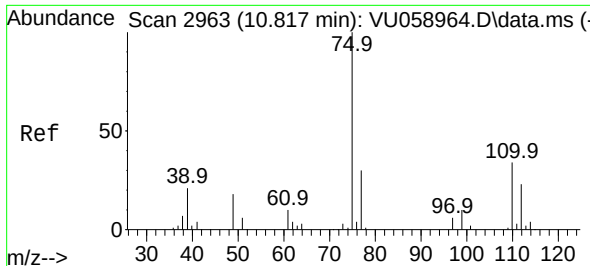
Ion Ratio Lower Upper

173 100

175 49.8 40.6 61.0

254 8.4 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 57.655 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

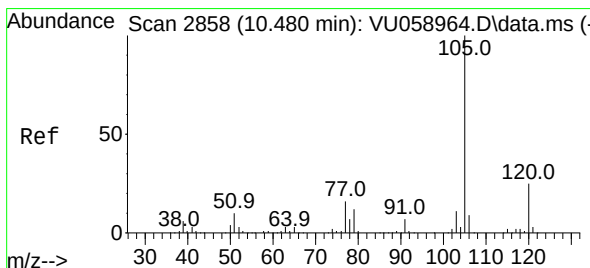
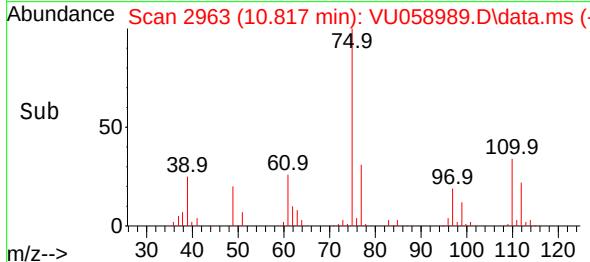
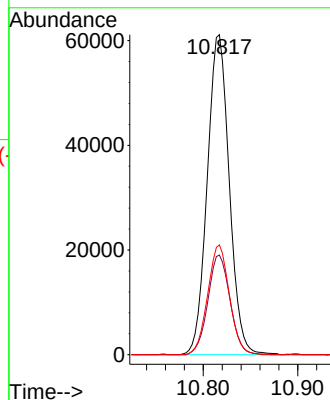
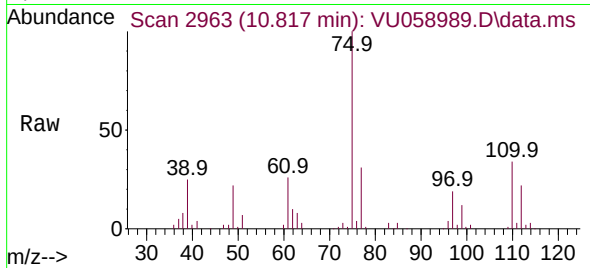
Tgt Ion: 75 Resp: 99036

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

110 33.8 28.3 42.5



#61

Isopropylbenzene

Concen: 52.103 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

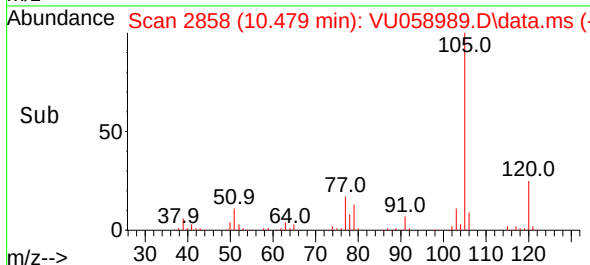
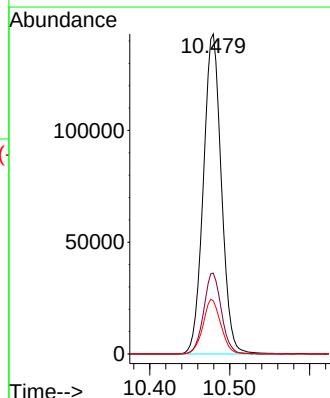
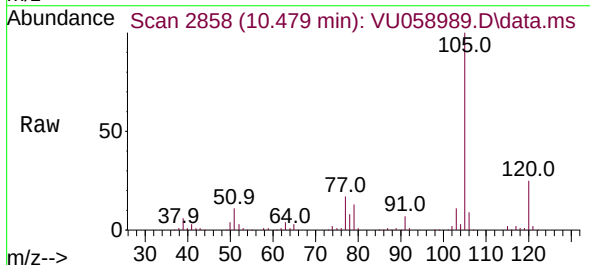
Tgt Ion:105 Resp: 224586

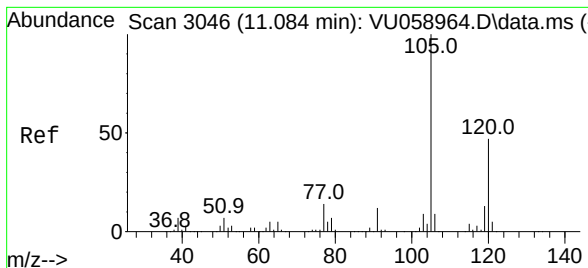
Ion Ratio Lower Upper

105 100

120 24.8 20.0 30.0

77 16.9 13.4 20.0

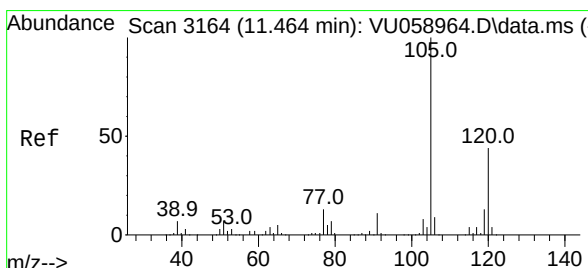
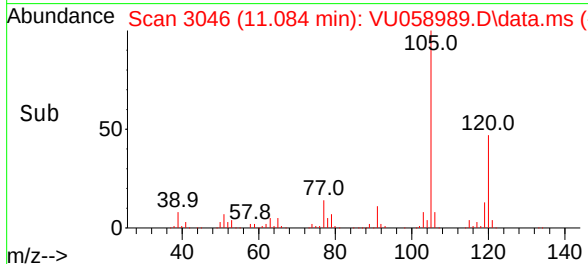
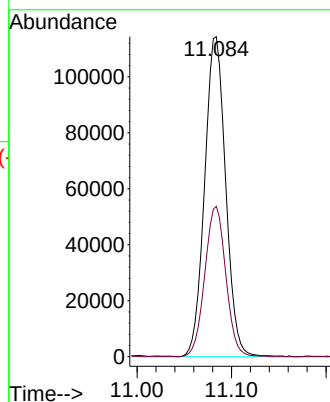
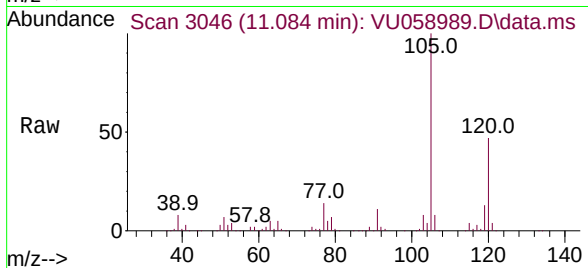




#62
1,3,5-Trimethylbenzene
Concen: 52.061 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

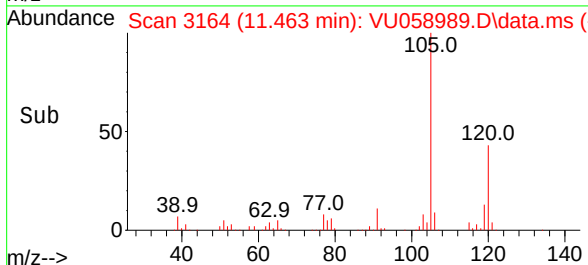
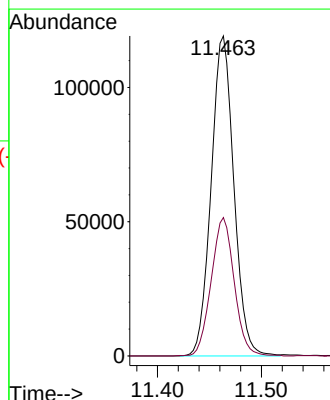
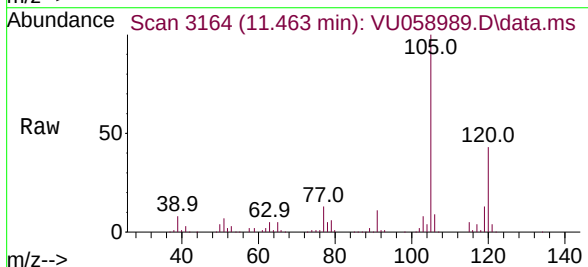
Instrument :
MSVOA_U
ClientSampleId :

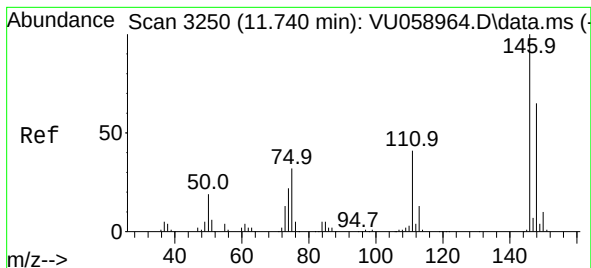
Tgt Ion:105 Resp: 176789
Ion Ratio Lower Upper
105 100
120 46.9 36.9 55.3



#63
1,2,4-Trimethylbenzene
Concen: 52.835 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU058989.D
Acq: 25 May 2024 10:47

Tgt Ion:105 Resp: 180940
Ion Ratio Lower Upper
105 100
120 43.8 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 47.910 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

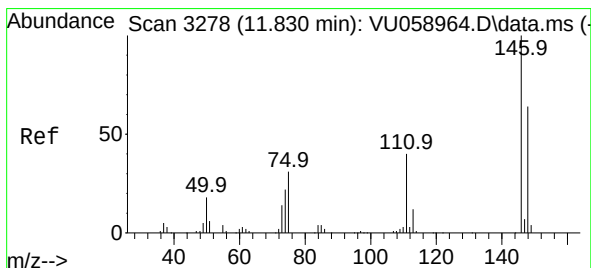
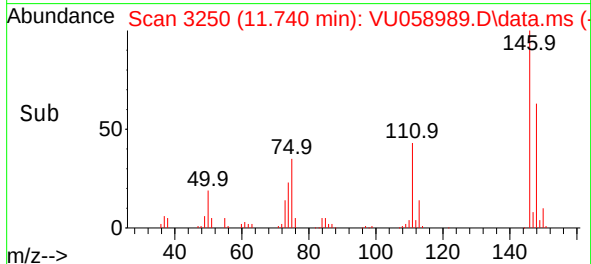
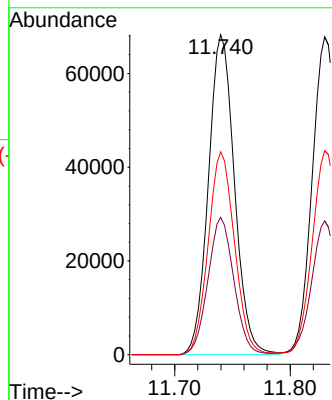
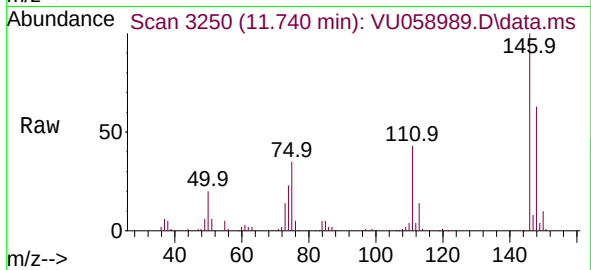
Tgt Ion:146 Resp: 107210

Ion Ratio Lower Upper

146 100

111 42.9 28.6 53.0

148 63.4 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 48.979 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

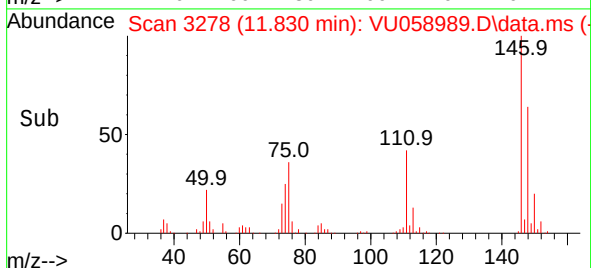
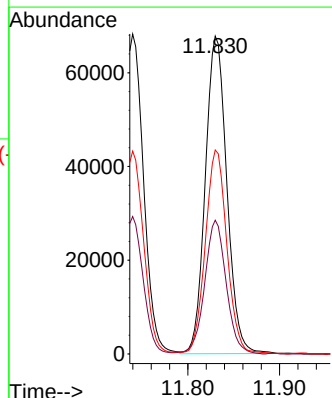
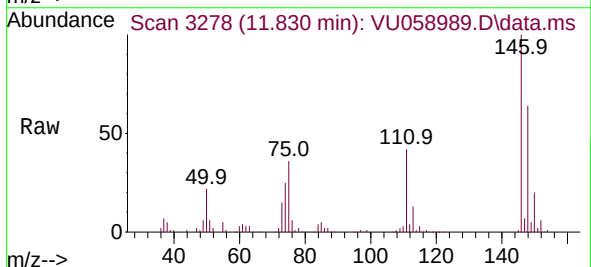
Tgt Ion:146 Resp: 110704

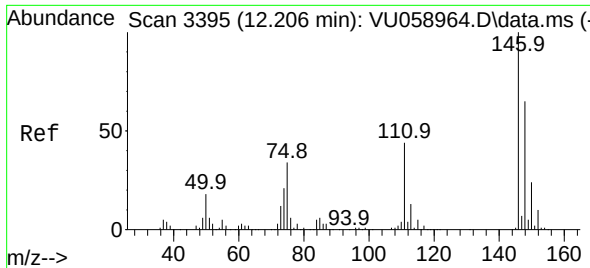
Ion Ratio Lower Upper

146 100

111 42.1 27.3 50.7

148 64.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 51.639 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

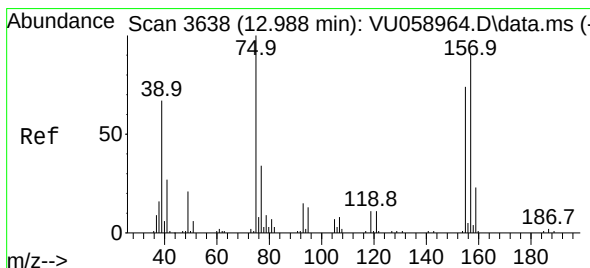
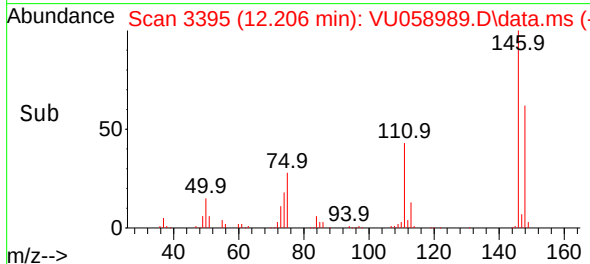
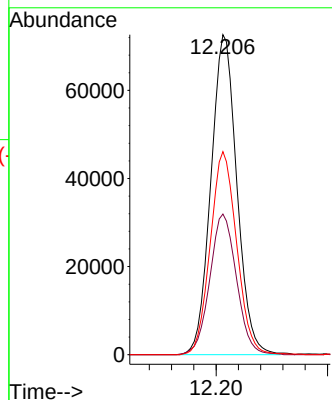
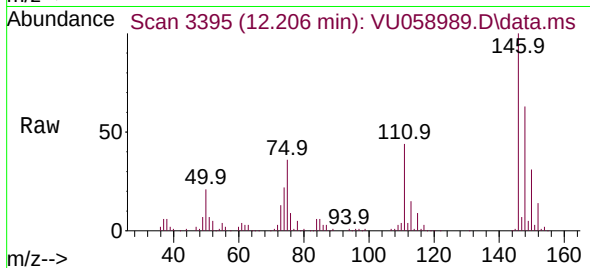
Tgt Ion:146 Resp: 117533

Ion Ratio Lower Upper

146 100

111 44.0 34.1 51.1

148 63.5 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 53.742 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

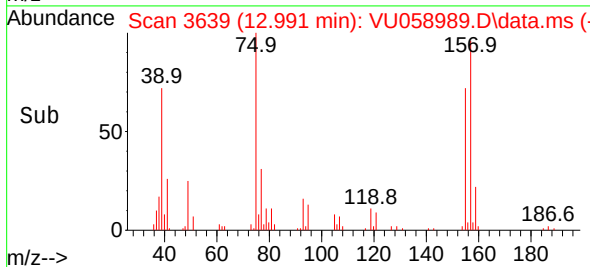
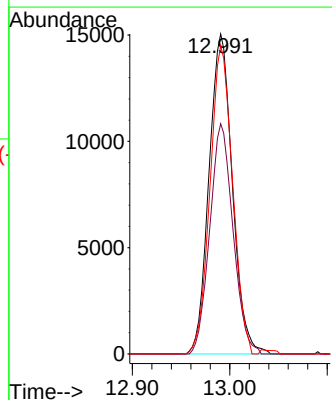
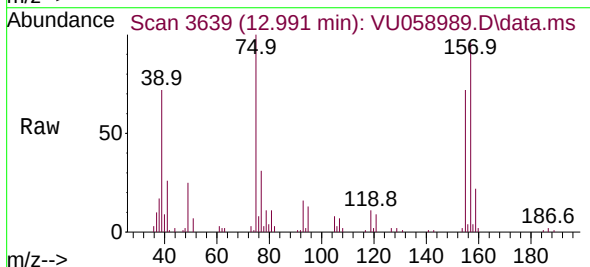
Tgt Ion: 75 Resp: 24974

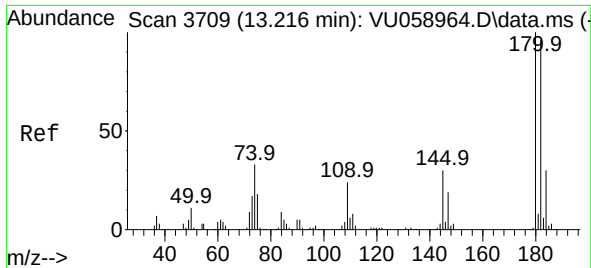
Ion Ratio Lower Upper

75 100

155 76.4 60.2 90.4

157 100.0 77.2 115.8





#69

1,3,5-Trichlorobenzene

Concen: 45.114 ug/L

RT: 13.212 min Scan# 3709

Delta R.T. -0.004 min

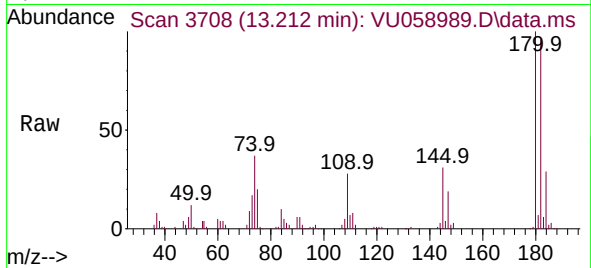
Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 71107

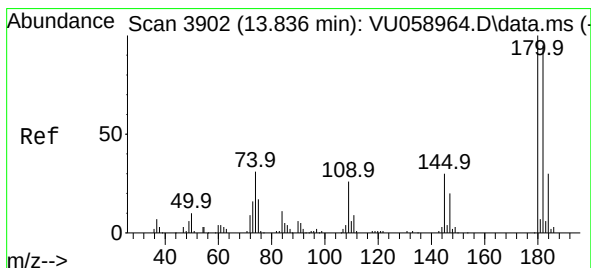
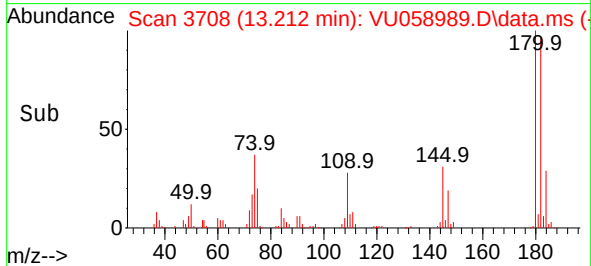
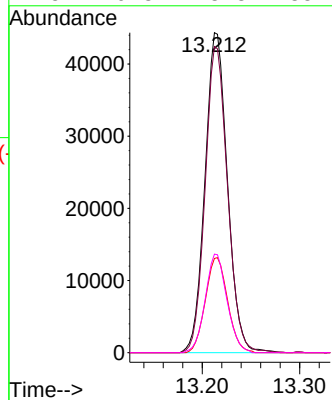
Ion Ratio Lower Upper

180 100

182 94.8 75.7 113.5

184 29.4 24.3 36.5

145 29.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 42.946 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

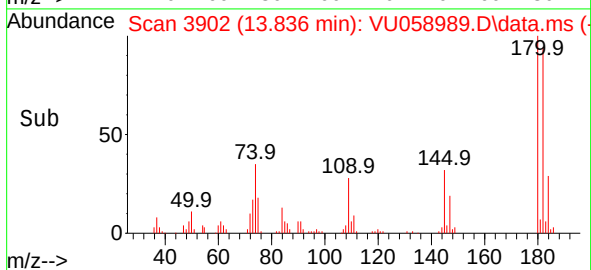
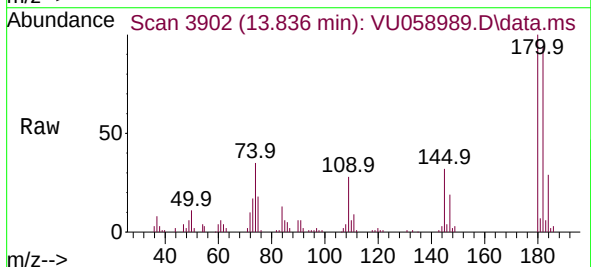
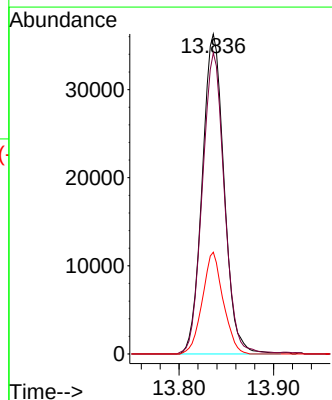
Tgt Ion:180 Resp: 58304

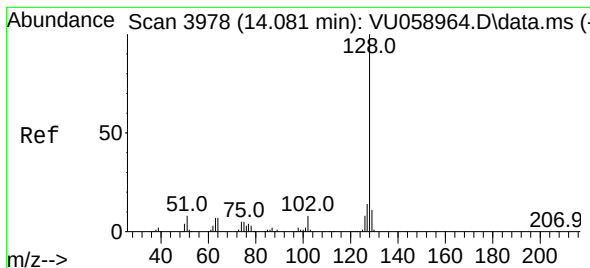
Ion Ratio Lower Upper

180 100

182 94.6 78.6 117.8

145 30.3 24.6 37.0





#71

Naphthalene

Concen: 43.759 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Instrument :

MSVOA_U

ClientSampleId :

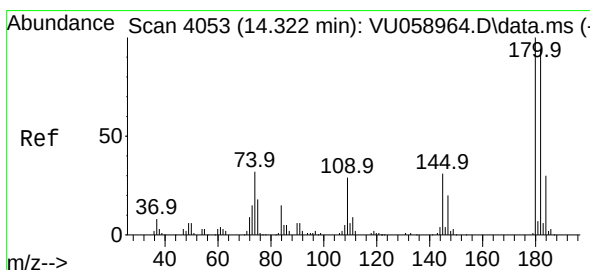
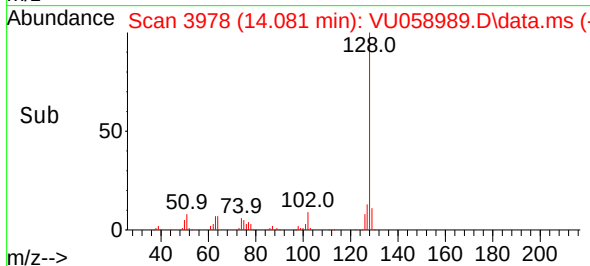
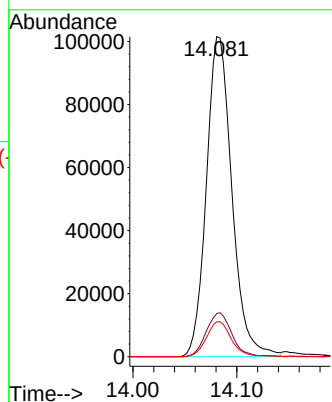
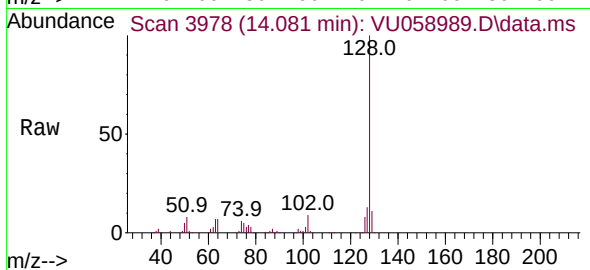
Tgt Ion:128 Resp: 173278

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 44.072 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU058989.D

Acq: 25 May 2024 10:47

Tgt Ion:180 Resp: 61284

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 33.5 26.2 39.2

