

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042224\
 Data File : VU058773.D
 Acq On : 22 Apr 2024 18:06
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 23 00:11:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 22 23:57:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	100460	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	95063	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	46445	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	37301	4.720	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.904	69	27014	4.537	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.557	65	19478	4.896	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	4.621	46	69273	49.896	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.800%
24) Chloroform-d	5.052	84	80411	4.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.692	65	38395	4.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.717	84	152231	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.679	67	45518	5.044	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.891	98	137764	5.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	8.171	79	16431	5.000	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.624	63	51116	52.498	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.000%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	27862	5.068	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	42735	5.279	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.377	85	53995	4.908	ug/L	100
3) Chloromethane	1.512	50	40638	4.718	ug/L	98
5) Vinyl chloride	1.595	62	41527	4.753	ug/L	100
6) Bromomethane	1.849	94	24306	4.700	ug/L	94
8) Chloroethane	1.923	64	22946	4.662	ug/L	100
9) Trichlorofluoromethane	2.129	101	66069	4.831	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	40833	5.009	ug/L	100
12) 1,1-Dichloroethene	2.570	96	36151	4.941	ug/L	98
13) Acetone	2.634	43	44202	46.065	ug/L	98
14) Carbon disulfide	2.782	76	121168	4.869	ug/L	99
15) Methyl Acetate	2.946	43	12219	5.311	ug/L	97
16) Methylene chloride	3.033	84	39001	4.954	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	81882	4.944	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	37342	5.096	ug/L	97
19) 1,1-Dichloroethane	3.856	63	77831	5.015	ug/L	99
21) 2-Butanone	4.701	43	70414	46.666	ug/L	97
22) cis-1,2-Dichloroethene	4.653	96	41267	5.126	ug/L	91
23) Bromochloromethane	4.962	128	15627	4.958	ug/L	100
25) Chloroform	5.074	83	80208	4.972	ug/L	98

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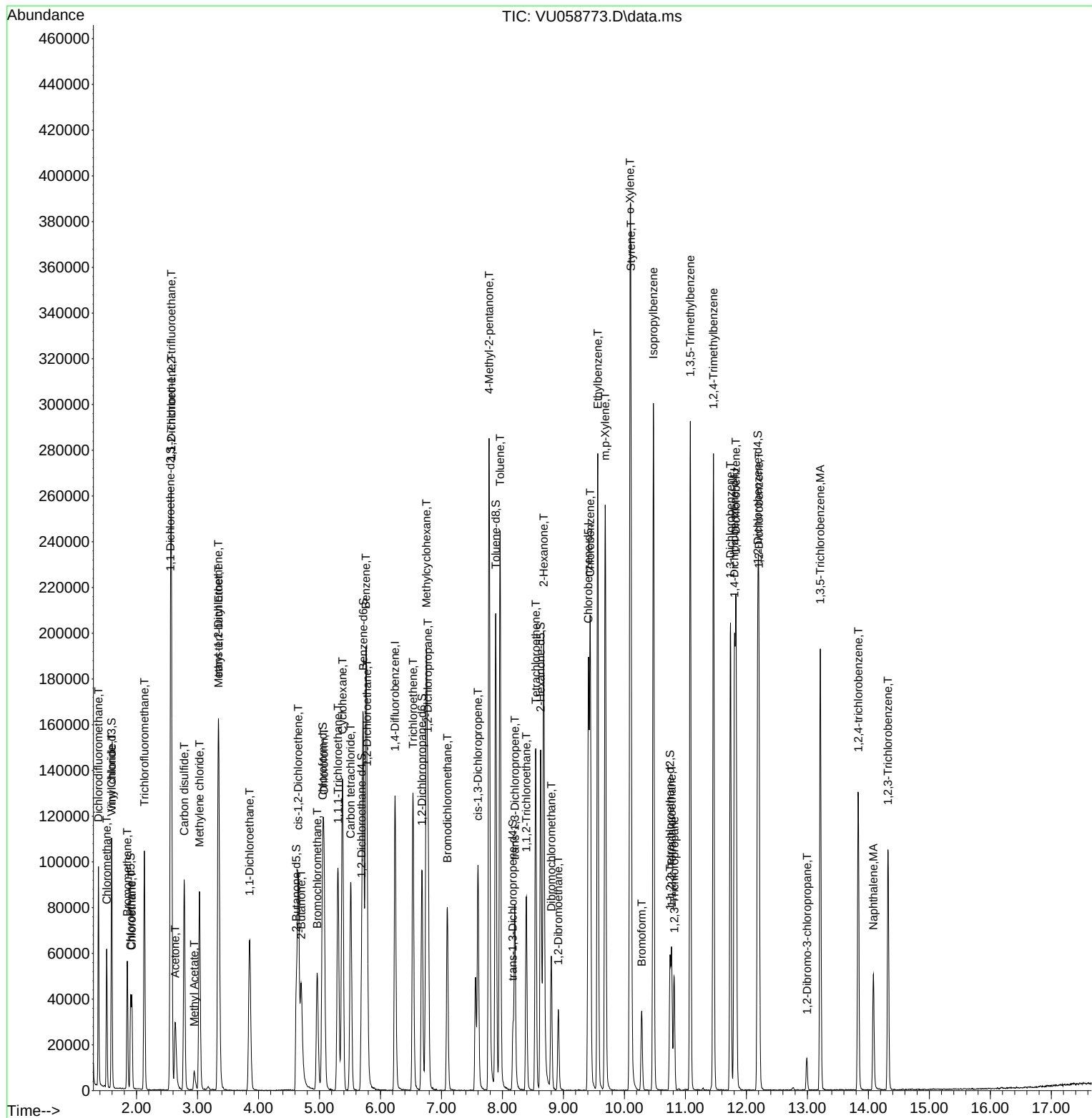
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	48480	5.024	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	71841	5.063	ug/L	99
30) Cyclohexane	5.377	56	67313	5.026	ug/L	98
31) Carbon tetrachloride	5.512	117	63052	5.028	ug/L	98
33) Benzene	5.762	78	167199	5.084	ug/L	100
34) Trichloroethene	6.534	95	46184	5.161	ug/L	99
35) Methylcyclohexane	6.753	83	66944	4.922	ug/L	99
37) 1,2-Dichloropropane	6.779	63	42466	4.943	ug/L	100
38) Bromodichloromethane	7.097	83	53488	5.026	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	58944	4.956	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	188985	49.838	ug/L	99
42) Toluene	7.962	91	173645	5.108	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	46143	5.039	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	25421	5.143	ug/L	99
47) Tetrachloroethene	8.547	164	31559	5.025	ug/L	99
48) 2-Hexanone	8.676	43	132216	49.083	ug/L	100
49) Dibromochloromethane	8.801	129	28869	4.986	ug/L	90
50) 1,2-Dibromoethane	8.917	107	22973	5.051	ug/L	94
51) Chlorobenzene	9.441	112	103483	4.997	ug/L	97
52) Ethylbenzene	9.563	91	190362	5.078	ug/L	99
53) m,p-Xylene	9.685	106	69462	5.045	ug/L	97
54) o-Xylene	10.094	106	67588	5.178	ug/L	93
55) Styrene	10.106	104	112864	5.307	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	28485	4.944	ug/L	95
59) Bromoform	10.283	173	15460	4.753	ug/L	98
60) Isopropylbenzene	10.476	105	186291	5.056	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	20677	4.891	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	152428	4.971	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	149189	5.143	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	78021	4.913	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	76398	4.931	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	69366	5.046	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	4110	5.626	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	54739	4.819	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	38385	4.861	ug/L	100
71) Naphthalene	14.084	128	42968	4.497	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	31233	4.990	ug/L	98

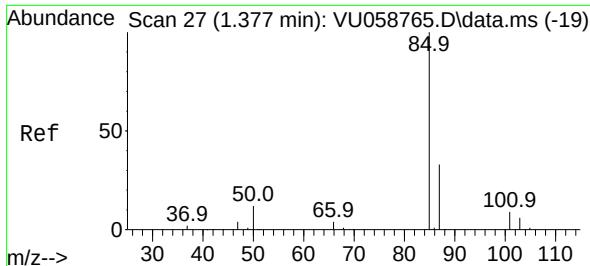
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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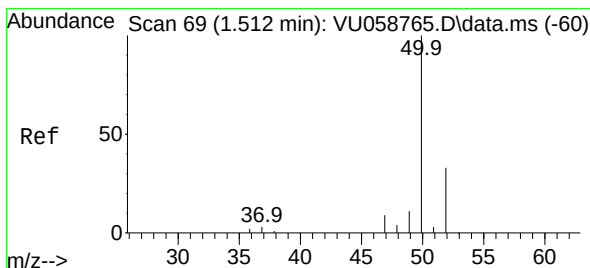
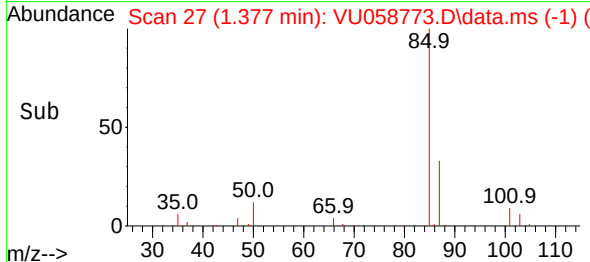
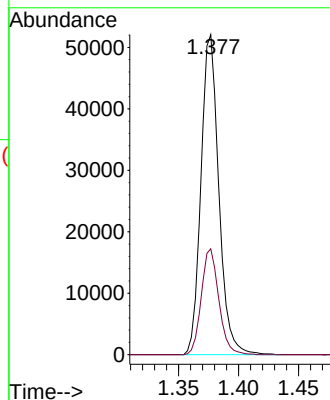
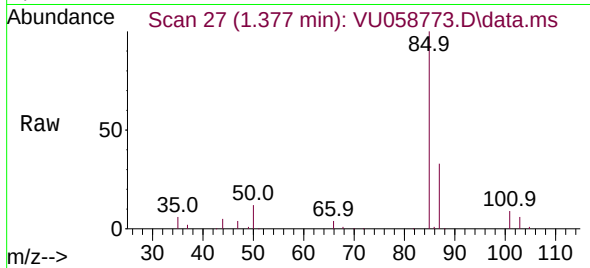




#2
 Dichlorodifluoromethane
 Concen: 4.908 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

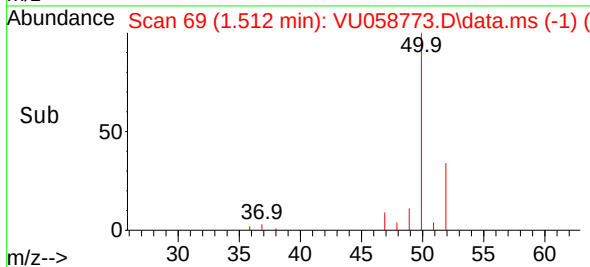
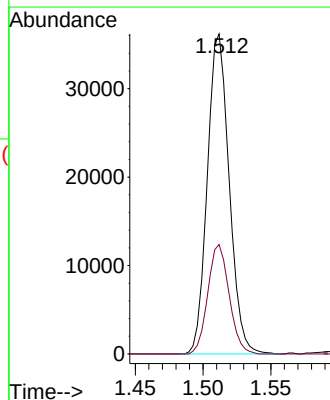
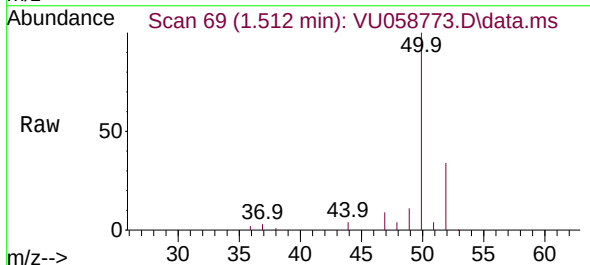
Instrument :
 MSVOA_U
 ClientSampleId :

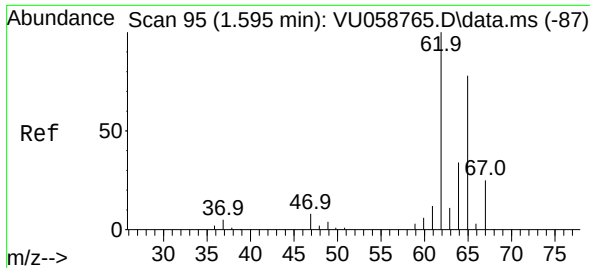
Tgt Ion: 85 Resp: 53995
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 4.718 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 50 Resp: 40638
 Ion Ratio Lower Upper
 50 100
 52 34.2 23.0 42.8

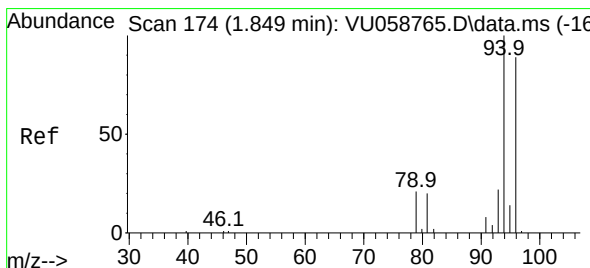
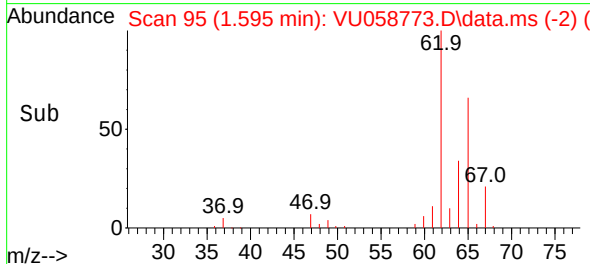
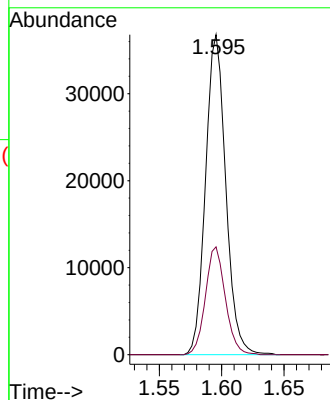
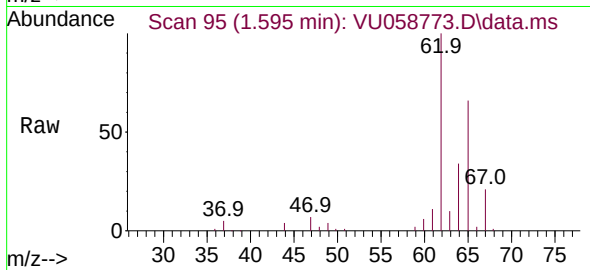




#5
 Vinyl chloride
 Concen: 4.753 ug/L
 RT: 1.595 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

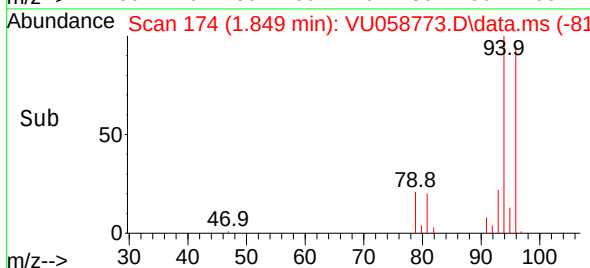
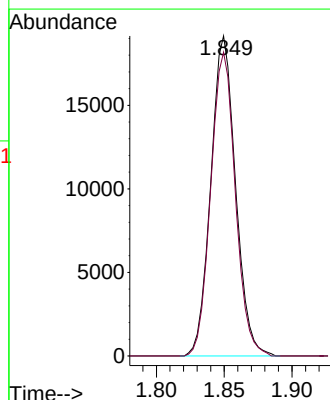
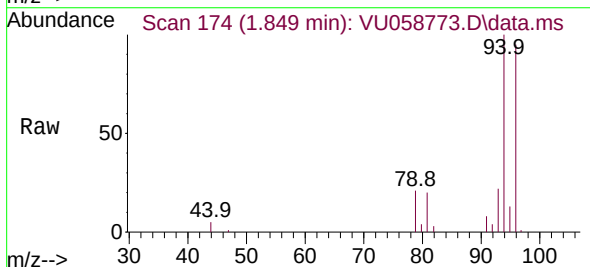
Instrument :
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 ClientSampleId :

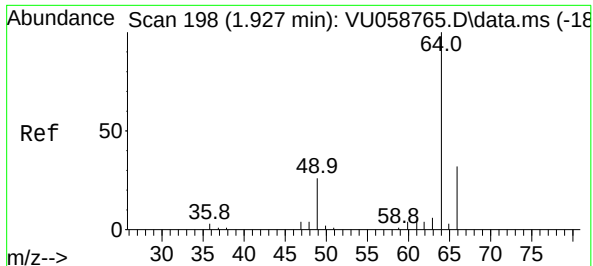
Tgt Ion: 62 Resp: 41527
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.8 44.2



#6
 Bromomethane
 Concen: 4.700 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 94 Resp: 24306
 Ion Ratio Lower Upper
 94 100
 96 94.9 62.2 115.6

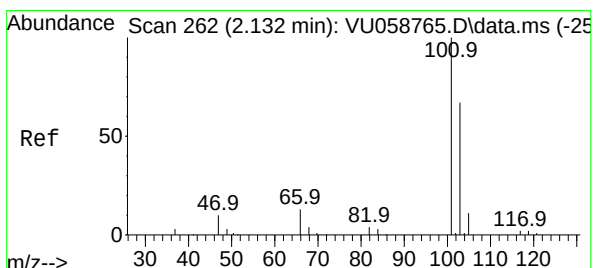
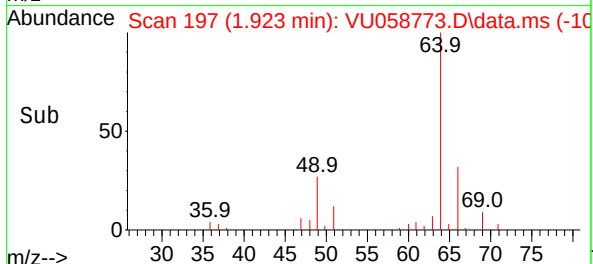
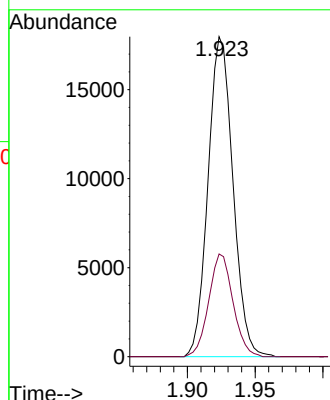
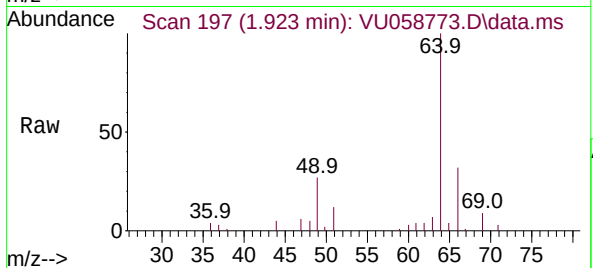




#8
Chloroethane
Concen: 4.662 ug/L
RT: 1.923 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

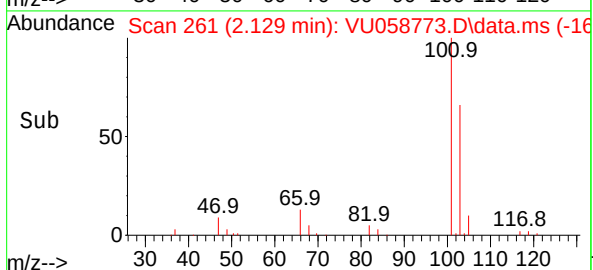
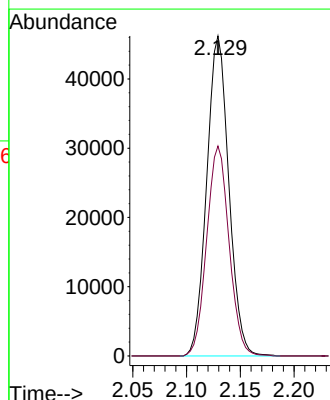
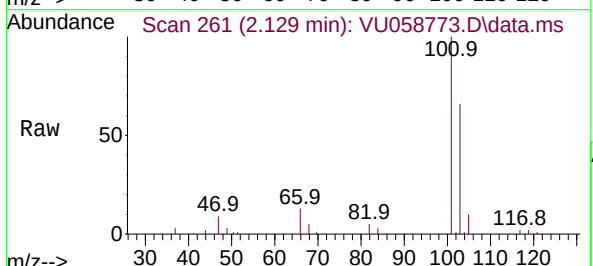
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MSVOA_U
ClientSampleId :

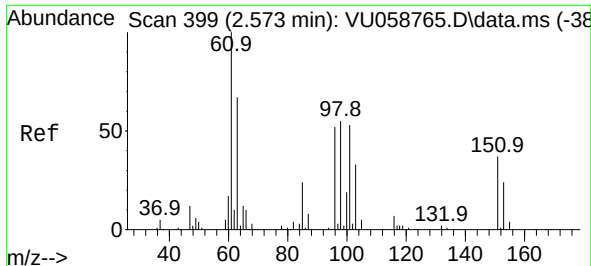
Tgt Ion: 64 Resp: 22946
Ion Ratio Lower Upper
64 100
66 32.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.831 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion:101 Resp: 66069
Ion Ratio Lower Upper
101 100
103 66.3 52.6 78.8





#10

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

Concen: 5.009 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

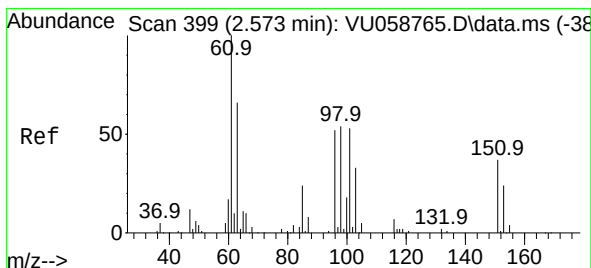
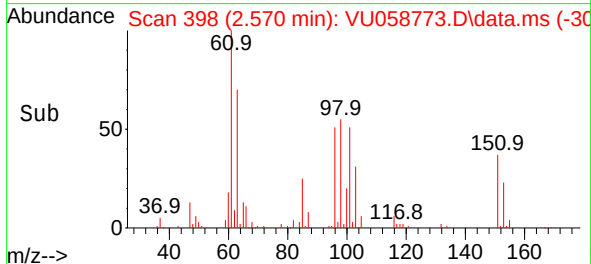
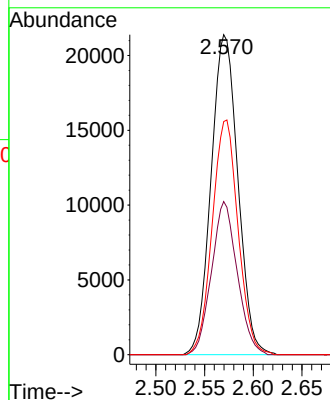
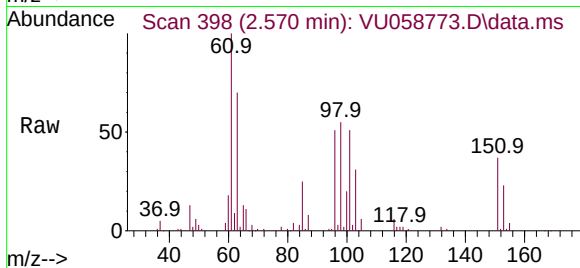
Tgt Ion:101 Resp: 40833

Ion Ratio Lower Upper

101 100

85 46.0 36.7 55.1

151 70.9 56.6 84.8



#12

1,1-Dichloroethene

Concen: 4.941 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

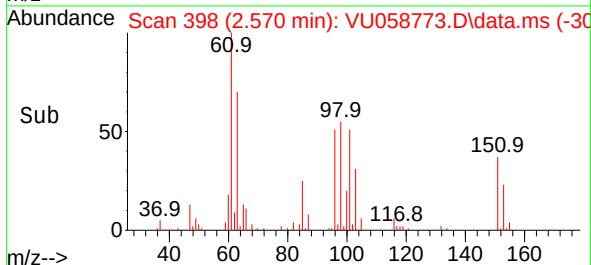
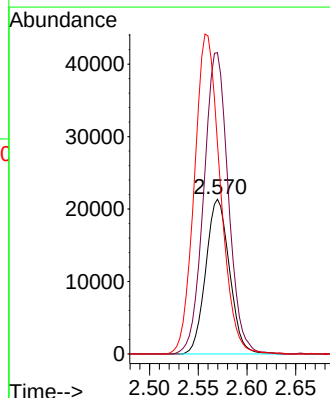
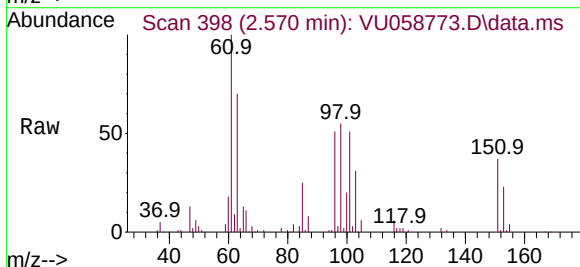
Tgt Ion: 96 Resp: 36151

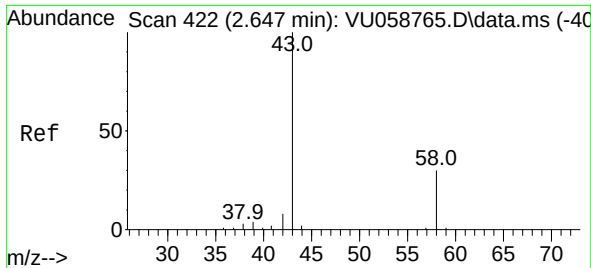
Ion Ratio Lower Upper

96 100

61 194.8 135.3 251.3

63 135.9 91.9 170.7





#13

Acetone

Concen: 46.065 ug/L

RT: 2.634 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

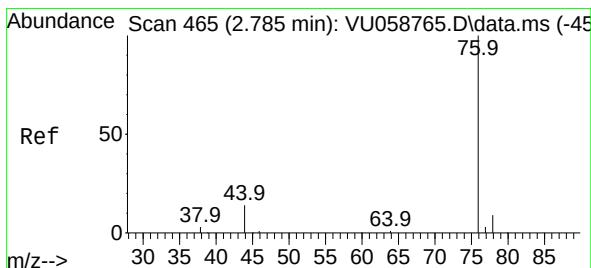
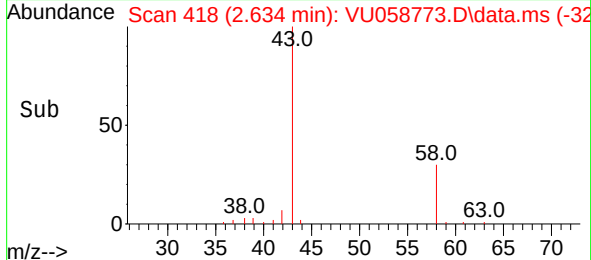
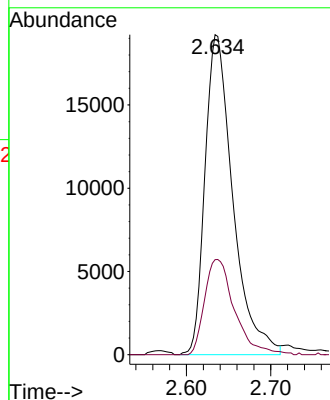
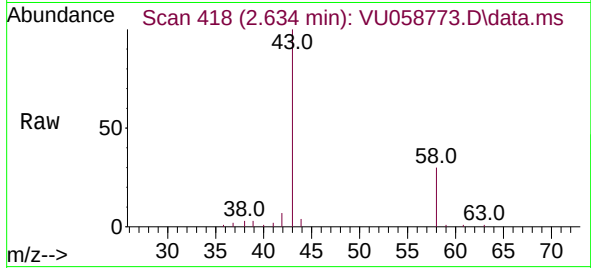
ClientSampleId :

Tgt Ion: 43 Resp: 44202

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.2



#14

Carbon disulfide

Concen: 4.869 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.003 min

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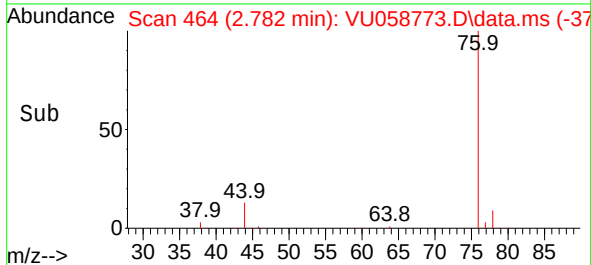
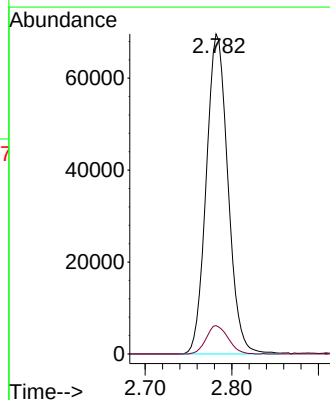
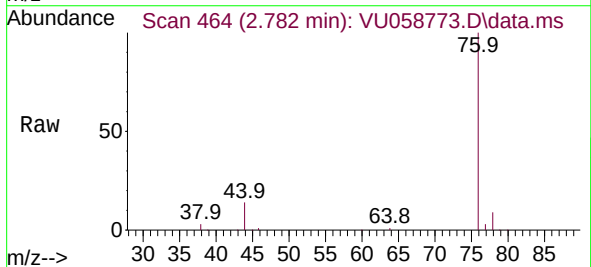
Acq: 22 Apr 2024 18:06

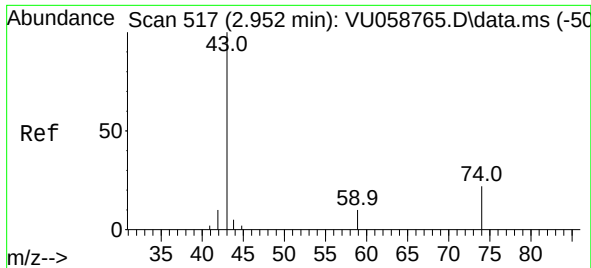
Tgt Ion: 76 Resp: 121168

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

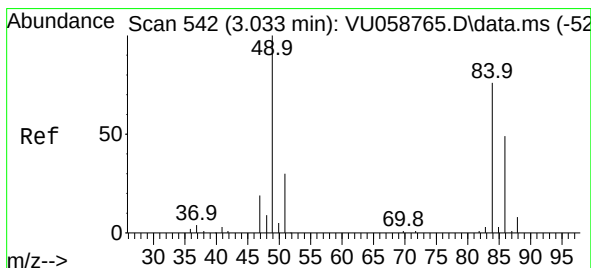
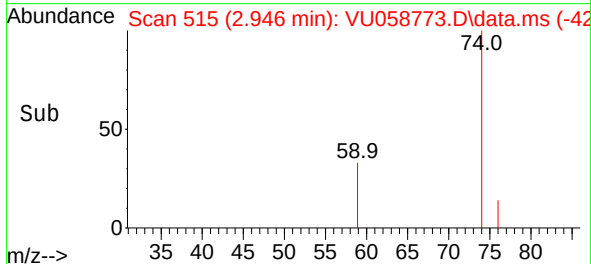
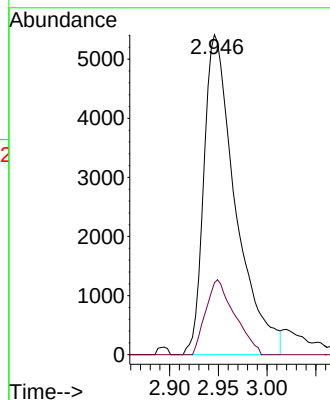
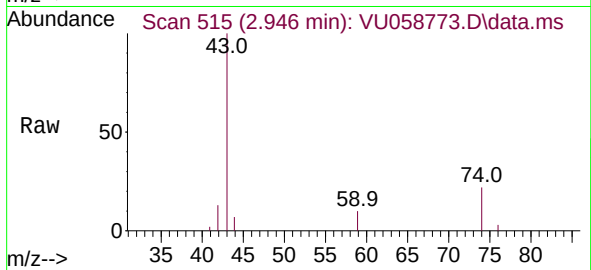




#15
Methyl Acetate
Concen: 5.311 ug/L
RT: 2.946 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

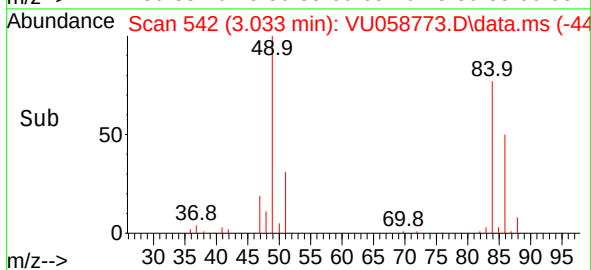
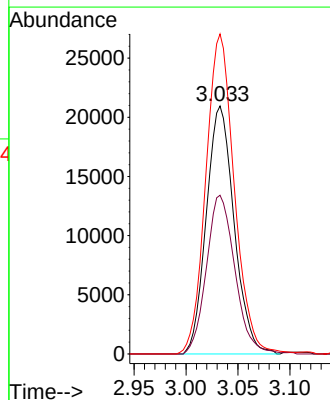
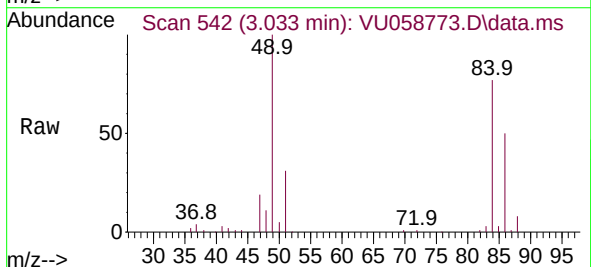
Instrument :
MSVOA_U
ClientSampleId :

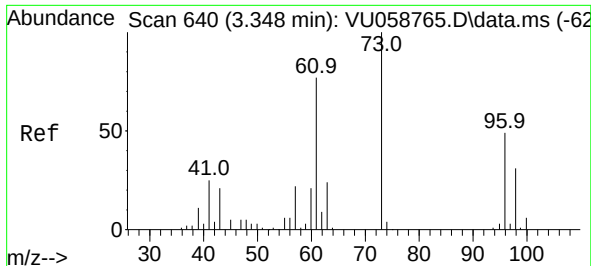
Tgt Ion: 43 Resp: 12219
Ion Ratio Lower Upper
43 100
74 21.4 18.2 27.4



#16
Methylene chloride
Concen: 4.954 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 84 Resp: 39001
Ion Ratio Lower Upper
84 100
86 64.0 45.0 83.6
49 129.1 91.6 170.2





#17

Methyl tert-butyl Ether

Concen: 4.944 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 73 Resp: 81882

Ion Ratio Lower Upper

73 100

43 21.8

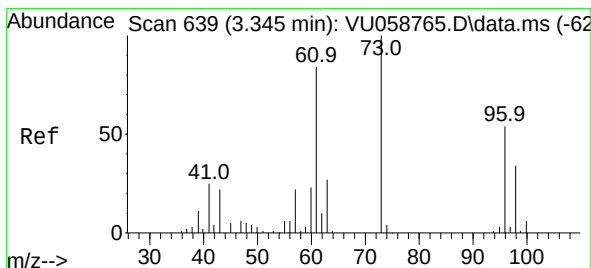
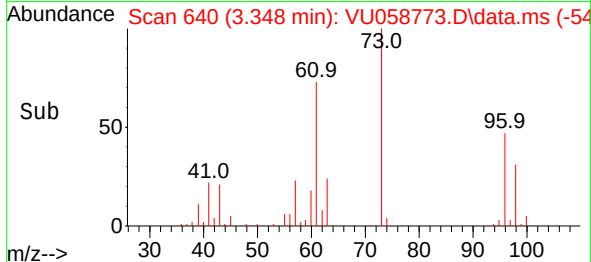
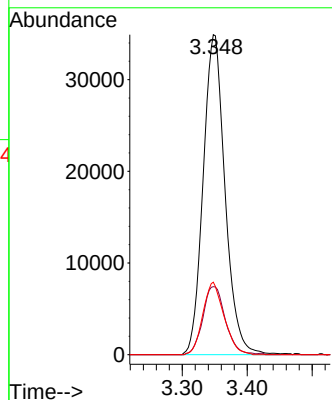
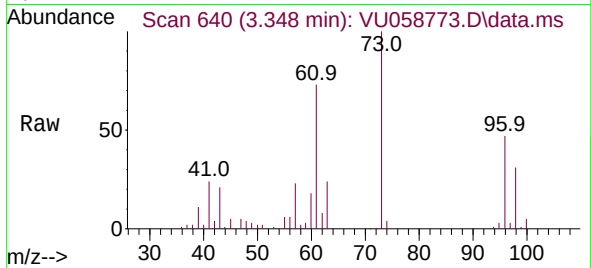
57 21.9

17.7

17.0

26.5

25.4



#18

trans-1,2-Dichloroethene

Concen: 5.096 ug/L

RT: 3.341 min Scan# 638

Delta R.T. -0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Tgt Ion: 96 Resp: 37342

Ion Ratio Lower Upper

96 100

61 159.3

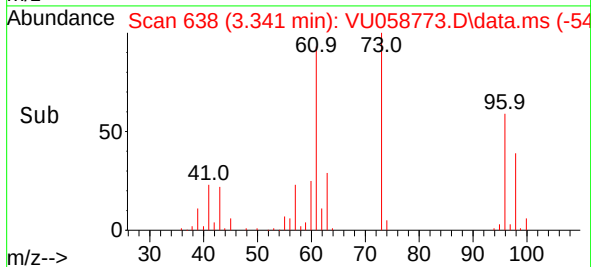
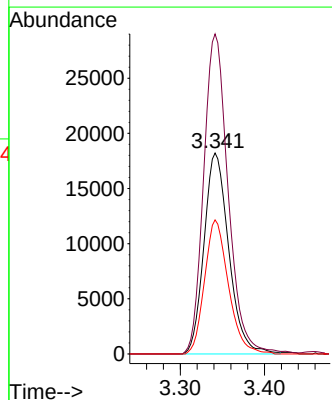
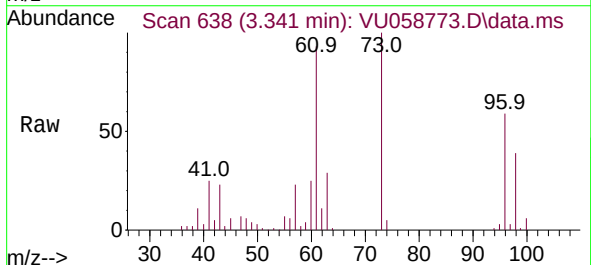
98 66.7

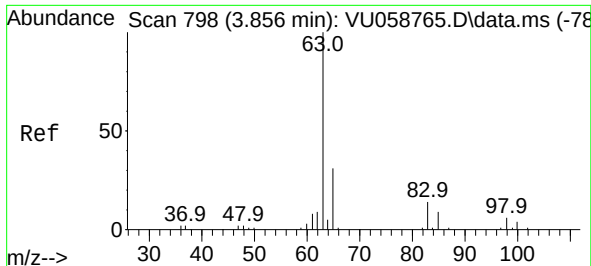
108.6

44.4

201.8

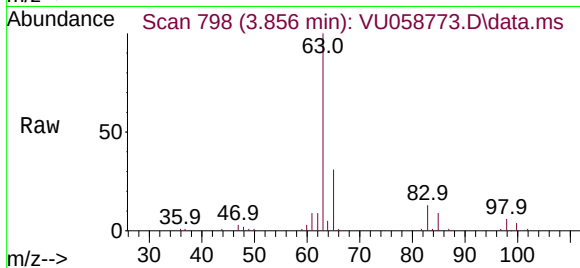
82.4



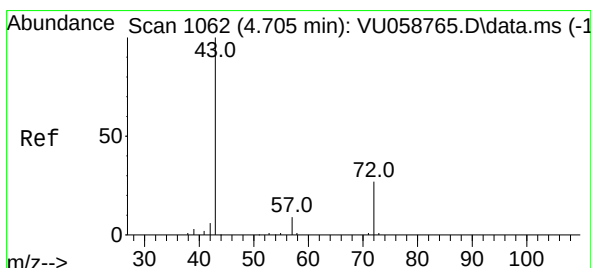
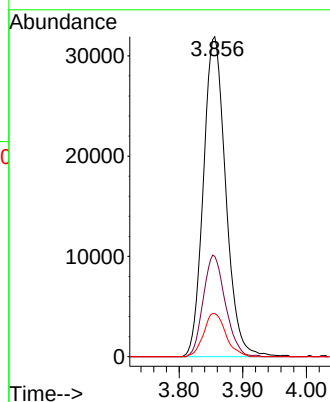
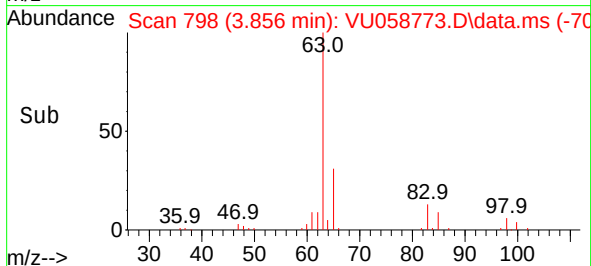


#19
1,1-Dichloroethane
Concen: 5.015 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_U
ClientSampleId :

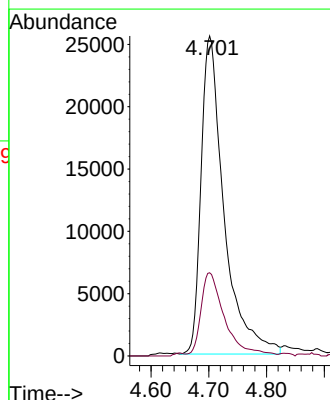
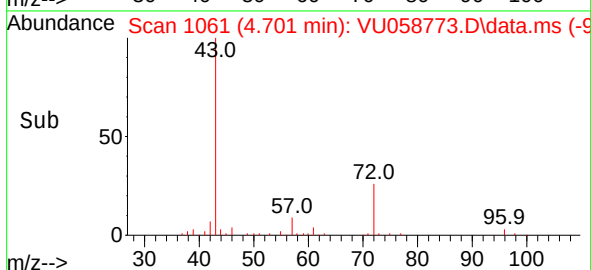
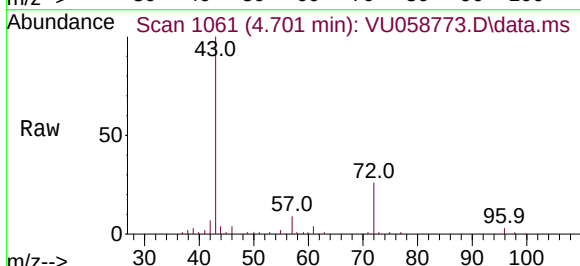


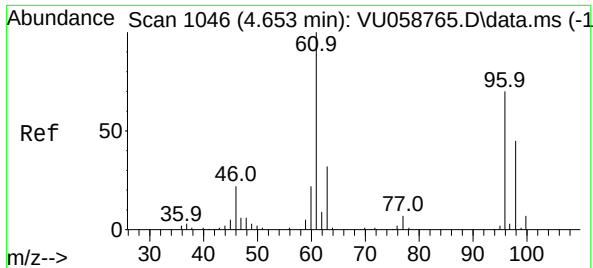
Tgt Ion: 63 Resp: 77831
Ion Ratio Lower Upper
63 100
65 31.3 21.6 40.2
83 13.4 9.5 17.7



#21
2-Butanone
Concen: 46.666 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

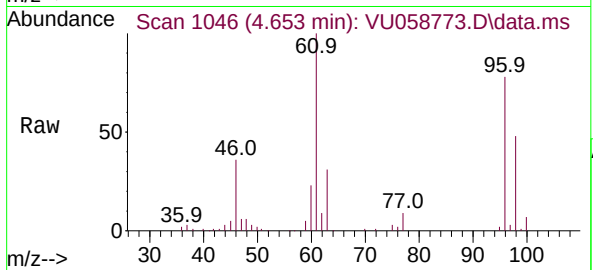
Tgt Ion: 43 Resp: 70414
Ion Ratio Lower Upper
43 100
72 27.1 12.8 38.4



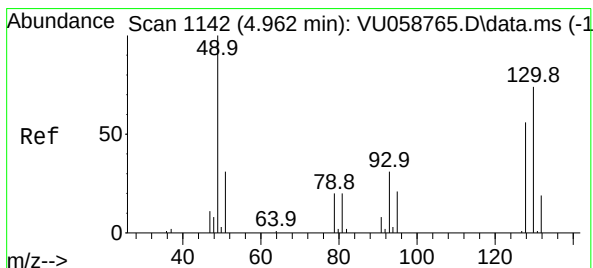
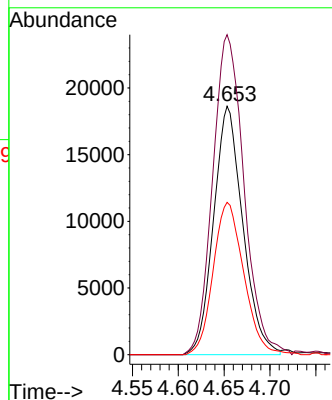
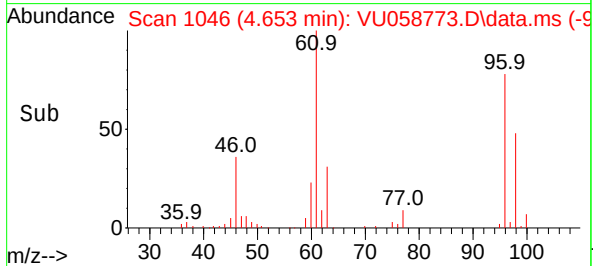


#22
cis-1,2-Dichloroethene
Concen: 5.126 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_U
ClientSampleId :

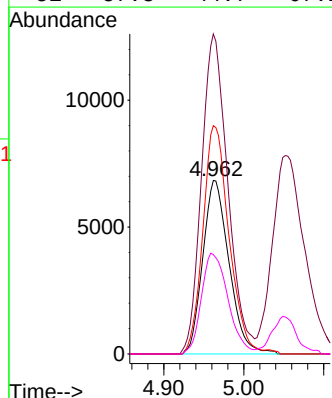
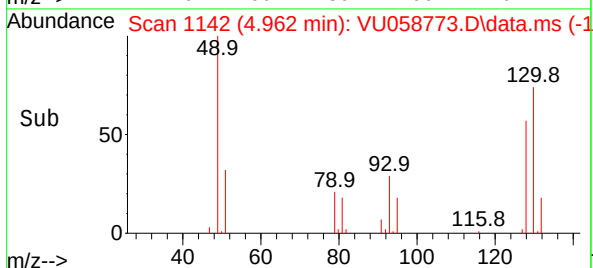
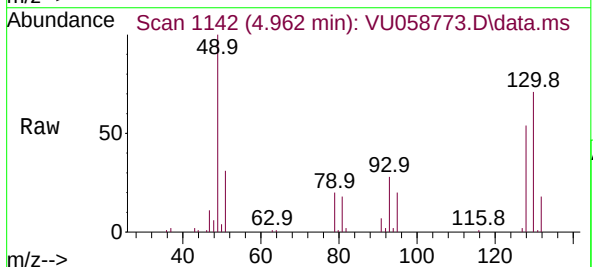


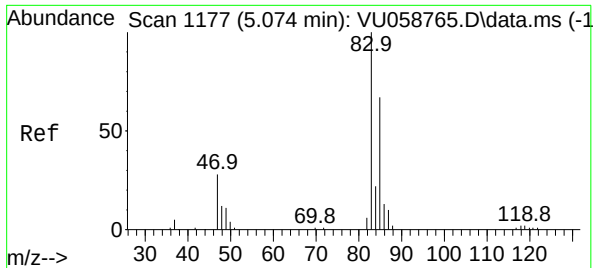
Tgt Ion: 96 Resp: 41267
Ion Ratio Lower Upper
96 100
61 128.8 100.4 186.4
98 61.3 45.1 83.7



#23
Bromochloromethane
Concen: 4.958 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 128 Resp: 15627
Ion Ratio Lower Upper
128 100
49 184.5 129.1 239.7
130 131.6 92.1 171.1
51 57.3 44.7 67.1





#25

Chloroform

Concen: 4.972 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

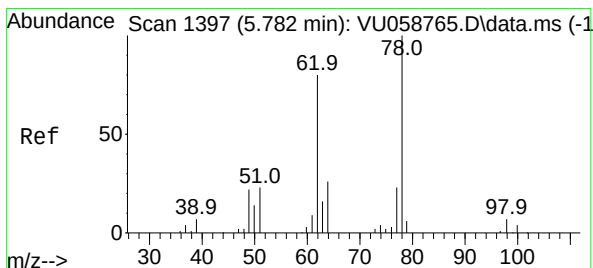
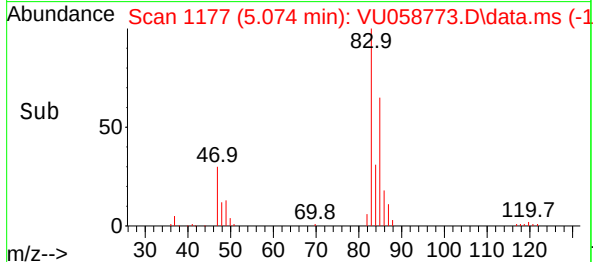
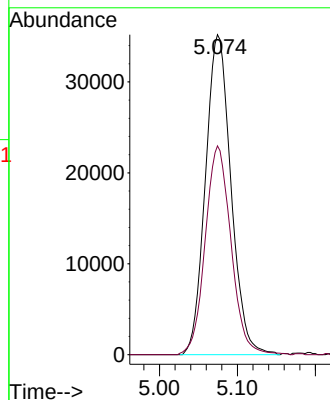
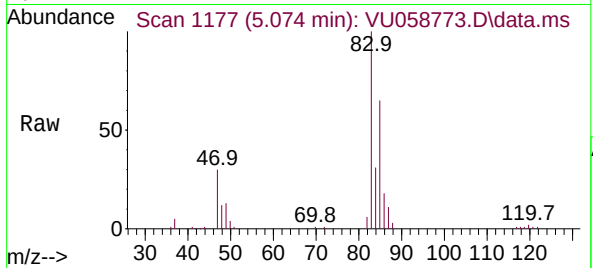
ClientSampleId :

Tgt Ion: 83 Resp: 80208

Ion Ratio Lower Upper

83 100

85 65.3 47.0 87.4



#27

1,2-Dichloroethane

Concen: 5.024 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU058773.D

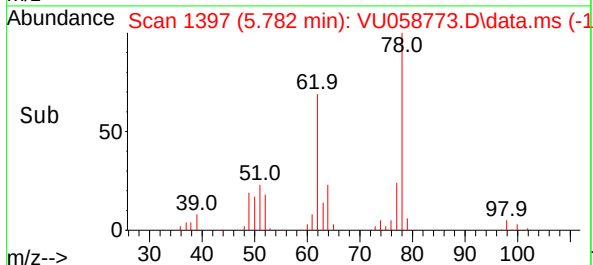
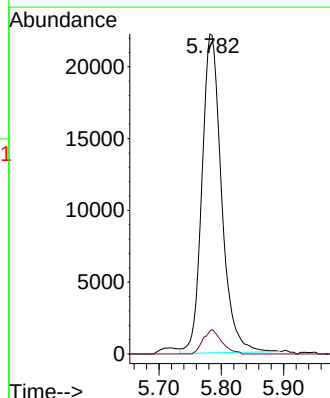
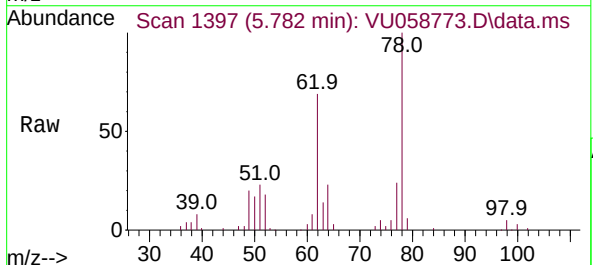
Acq: 22 Apr 2024 18:06

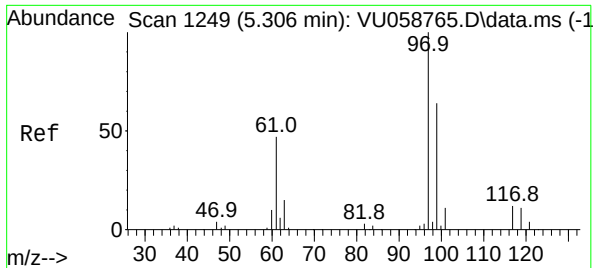
Tgt Ion: 62 Resp: 48480

Ion Ratio Lower Upper

62 100

98 7.2 6.7 10.1



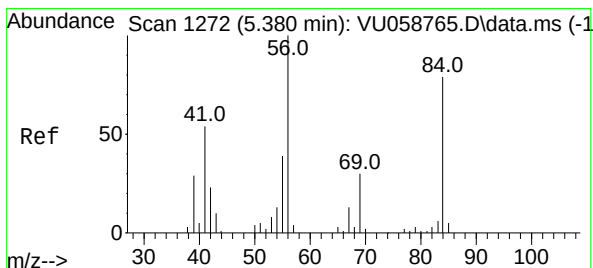
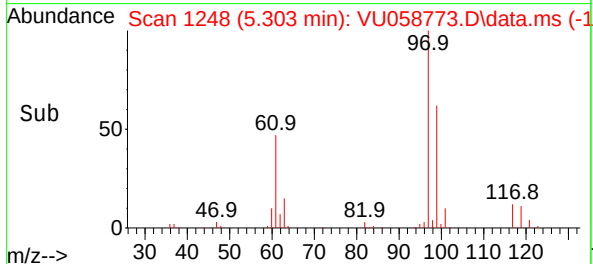
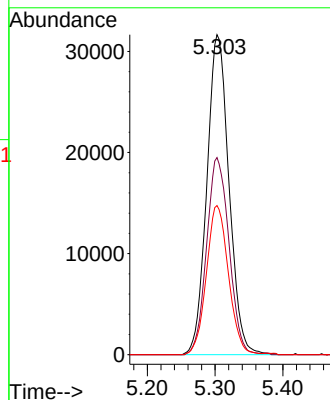
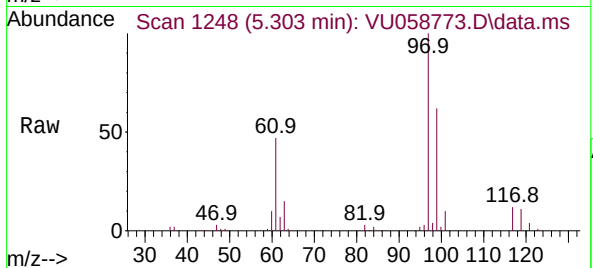


#29
1,1,1-Trichloroethane
Concen: 5.063 ug/L
RT: 5.303 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 71841

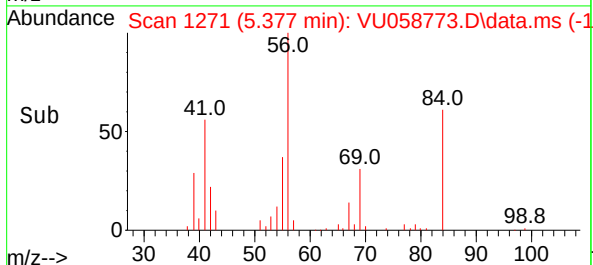
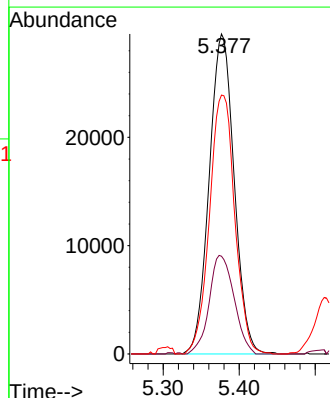
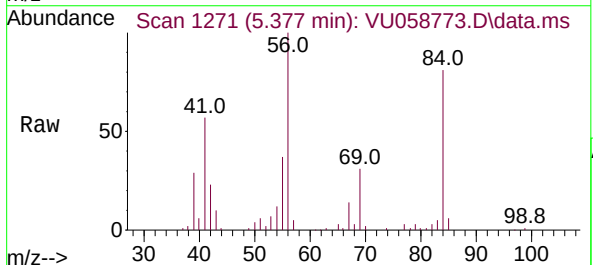
Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.5	75.7
61	46.5	37.3	55.9

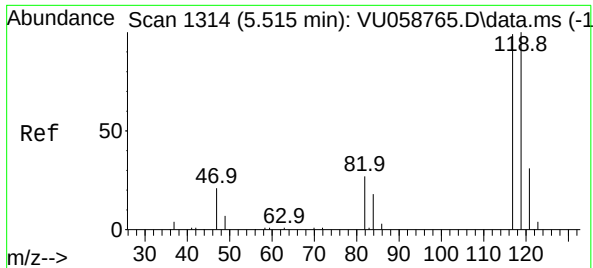


#30
Cyclohexane
Concen: 5.026 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 56 Resp: 67313

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.7	35.5
84	82.0	64.2	96.4

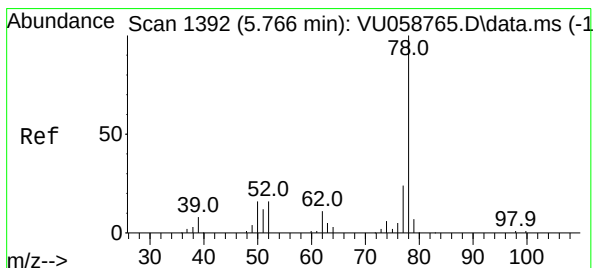
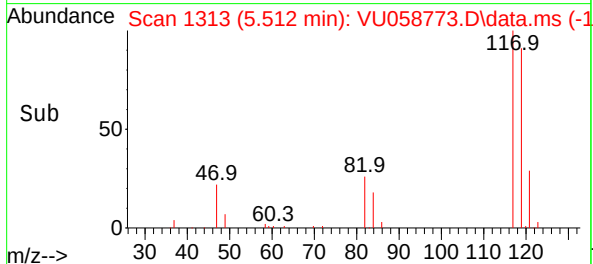
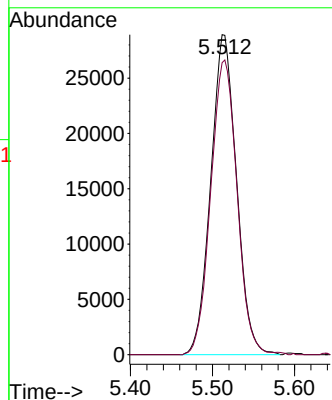
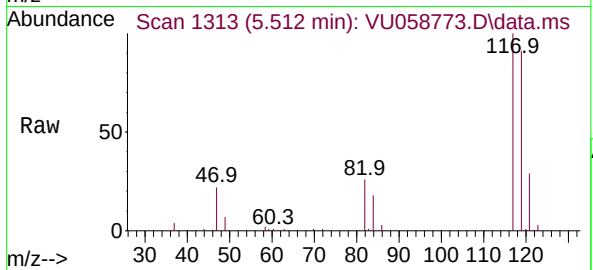




#31
Carbon tetrachloride
Concen: 5.028 ug/L
RT: 5.512 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

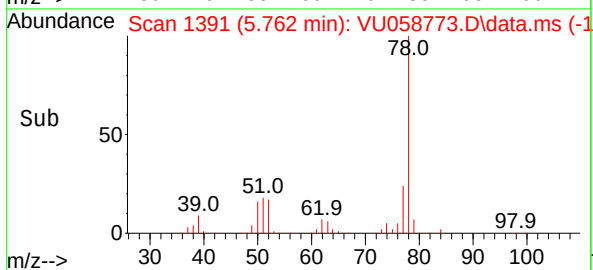
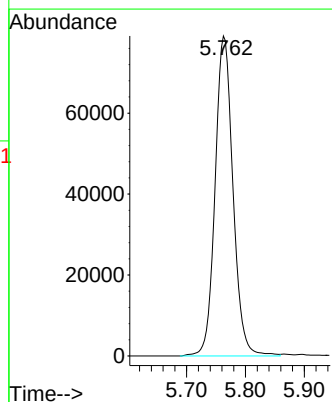
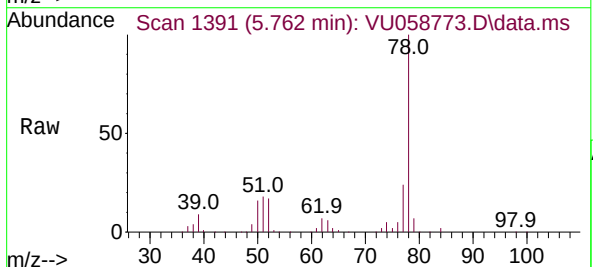
Instrument :
MSVOA_U
ClientSampleId :

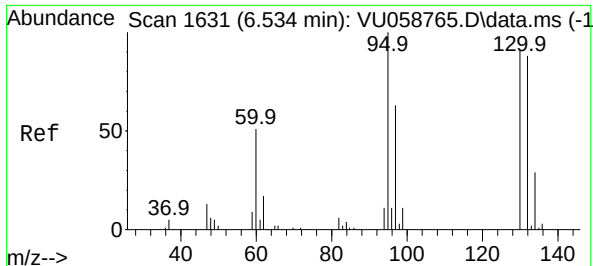
Tgt Ion:117 Resp: 63052
Ion Ratio Lower Upper
117 100
119 94.2 77.0 115.4



#33
Benzene
Concen: 5.084 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 78 Resp: 167199





#34

Trichloroethene

Concen: 5.161 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 46184

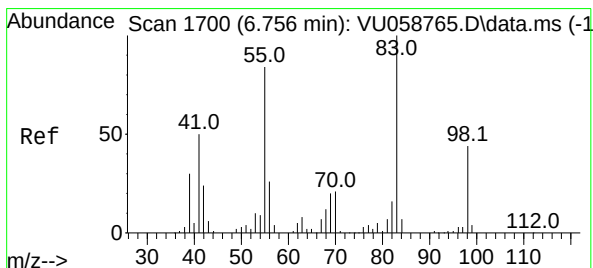
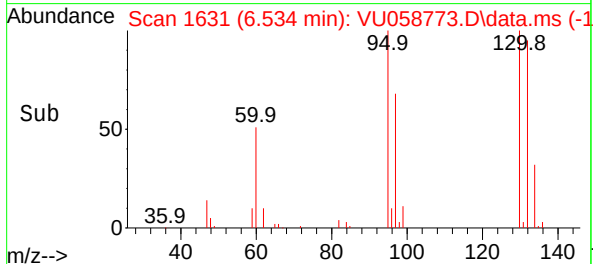
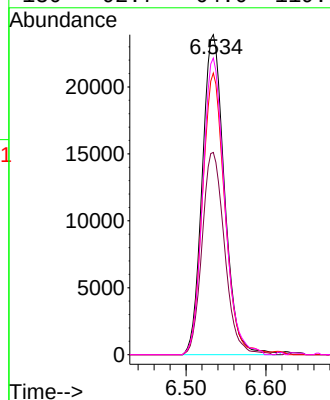
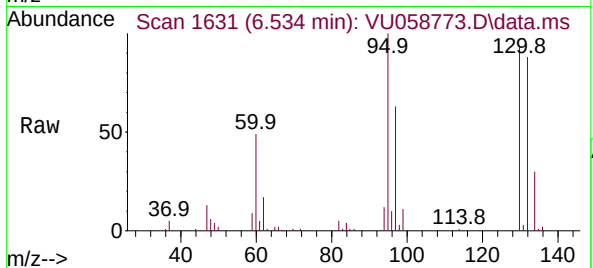
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.4

132 88.0 61.6 114.4

130 92.7 64.0 119.0



#35

Methylcyclohexane

Concen: 4.922 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

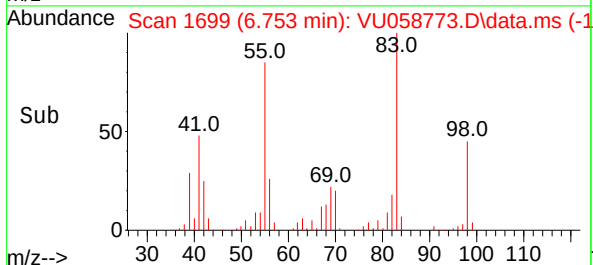
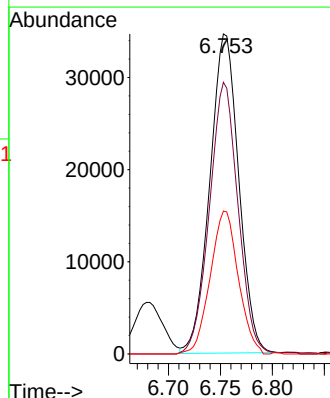
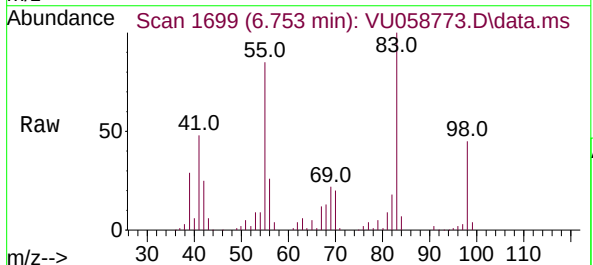
Tgt Ion: 83 Resp: 66944

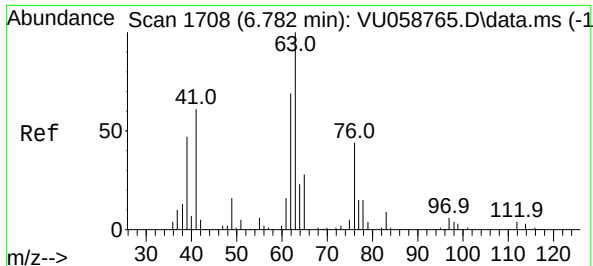
Ion Ratio Lower Upper

83 100

55 84.2 66.6 100.0

98 43.5 35.4 53.2





#37

1,2-Dichloropropane

Concen: 4.943 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

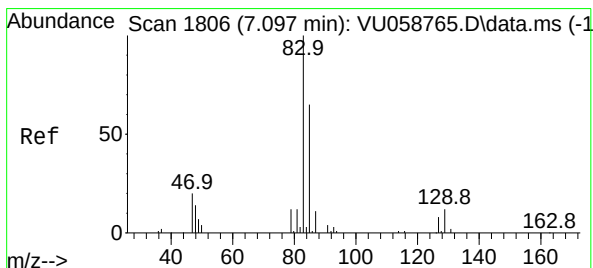
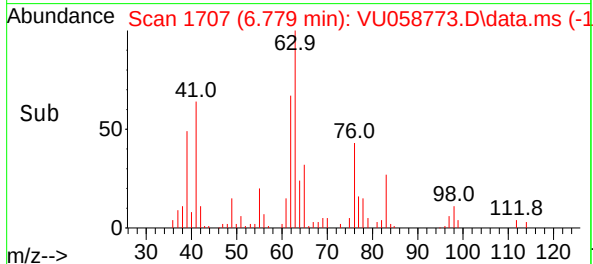
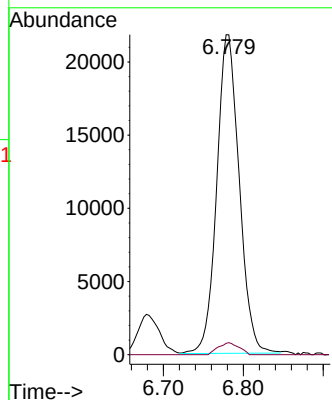
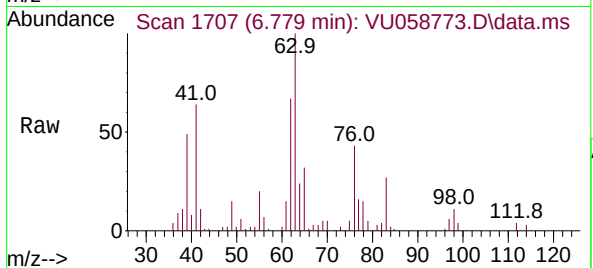
ClientSampleId :

Tgt Ion: 63 Resp: 42466

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 5.026 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

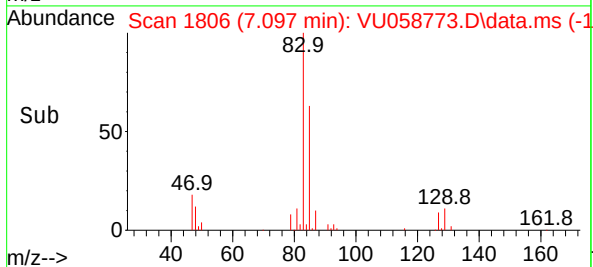
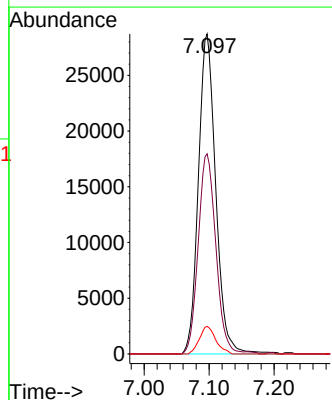
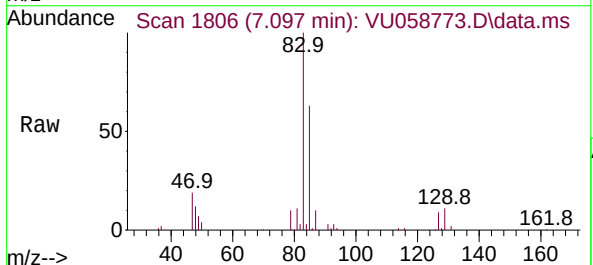
Tgt Ion: 83 Resp: 53488

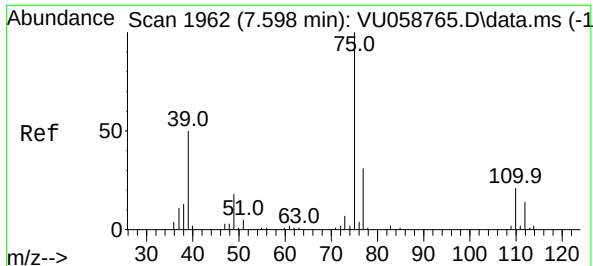
Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0

127 8.6 6.3 9.5

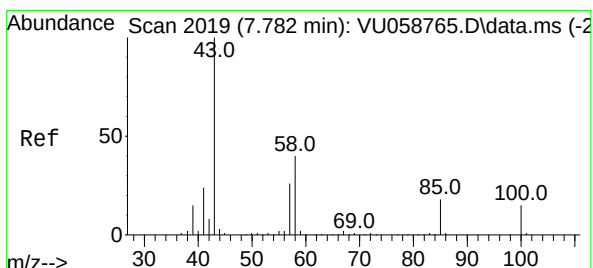
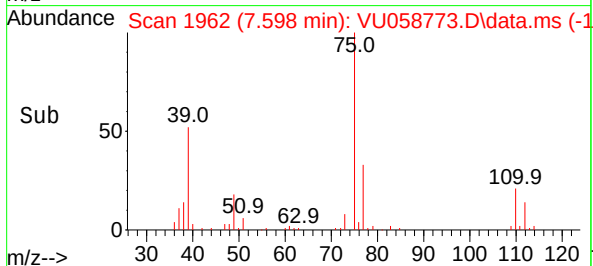
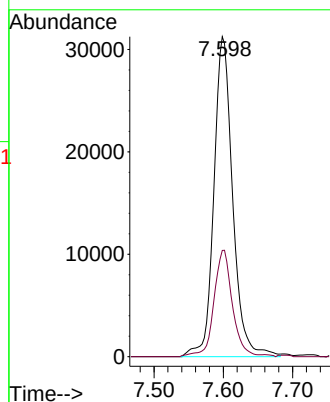
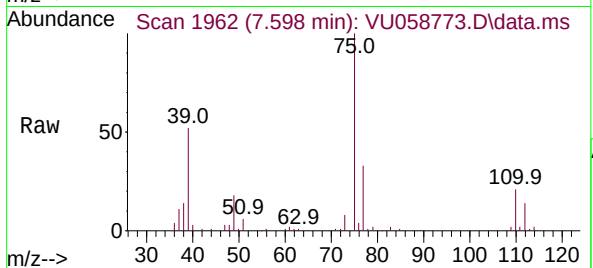




#39
 cis-1,3-Dichloropropene
 Concen: 4.956 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

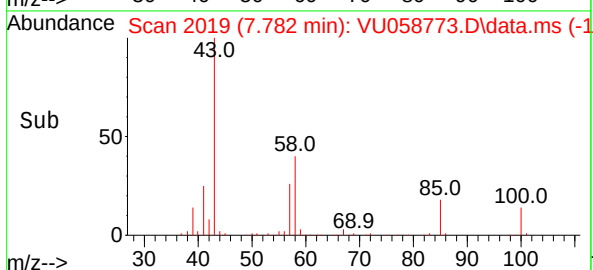
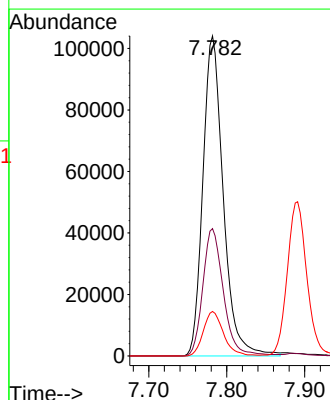
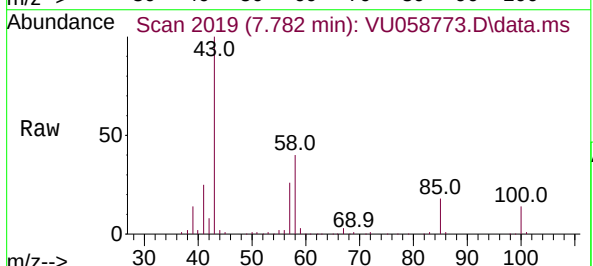
Instrument :
 MSVOA_U
 ClientSampleId :

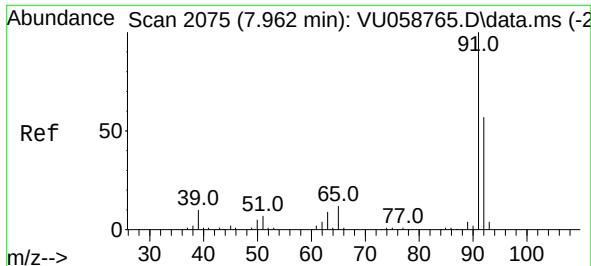
Tgt Ion: 75 Resp: 58944
 Ion Ratio Lower Upper
 75 100
 77 33.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 49.838 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU058773.D
 Acq: 22 Apr 2024 18:06

Tgt Ion: 43 Resp: 188985
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.5 47.3
 100 13.8 11.4 17.0





#42

Toluene

Concen: 5.108 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

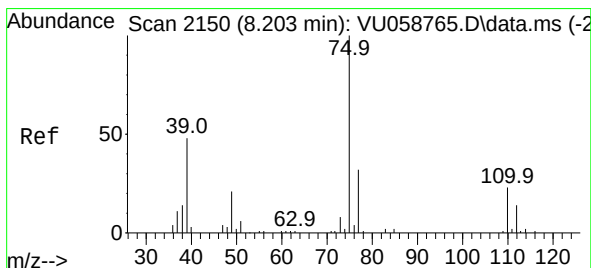
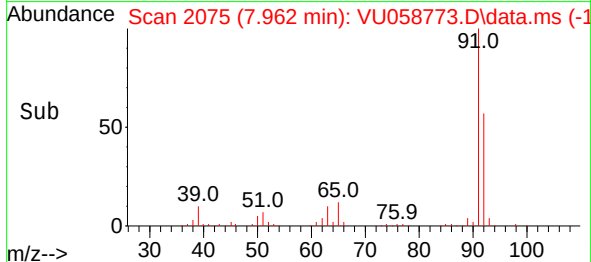
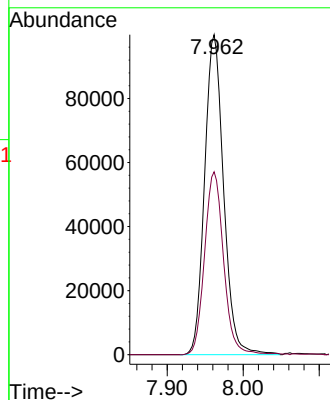
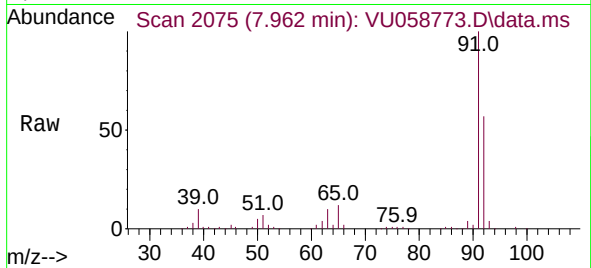
ClientSampleId :

Tgt Ion: 91 Resp: 173645

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.039 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU058773.D

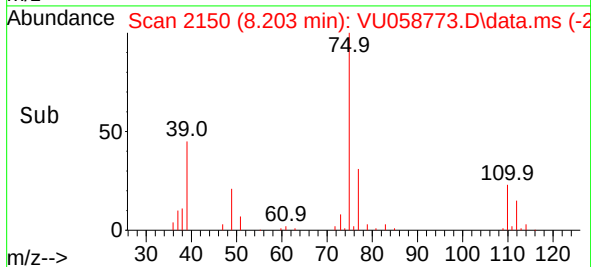
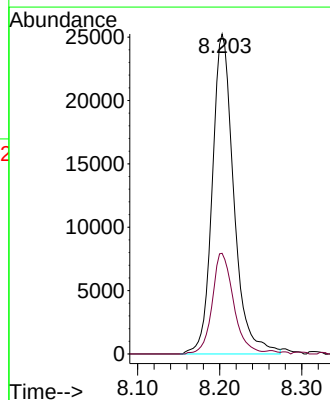
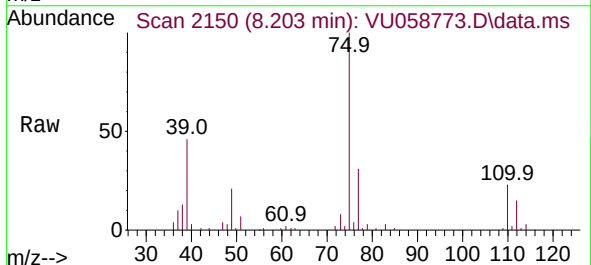
Acq: 22 Apr 2024 18:06

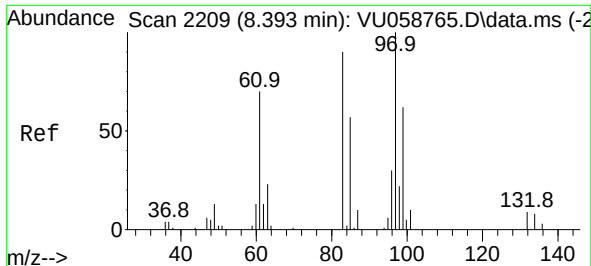
Tgt Ion: 75 Resp: 46143

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.143 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 25421

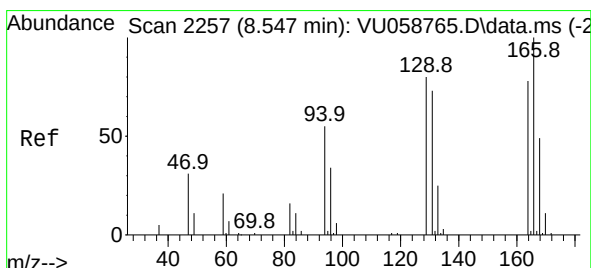
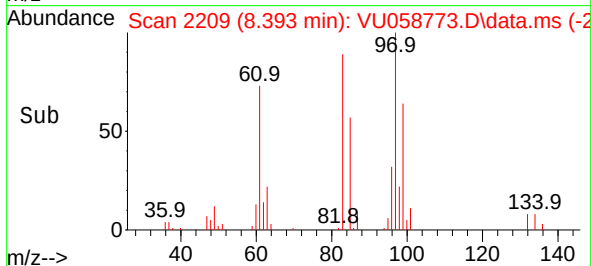
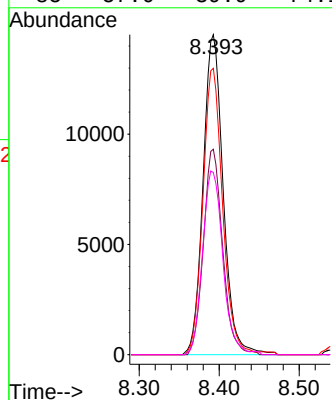
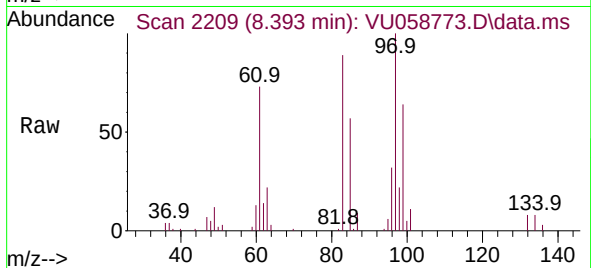
Ion Ratio Lower Upper

97 100

99 64.2 43.7 81.1

83 89.5 62.9 116.9

85 57.0 39.9 74.1



#47

Tetrachloroethene

Concen: 5.025 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Tgt Ion:164 Resp: 31559

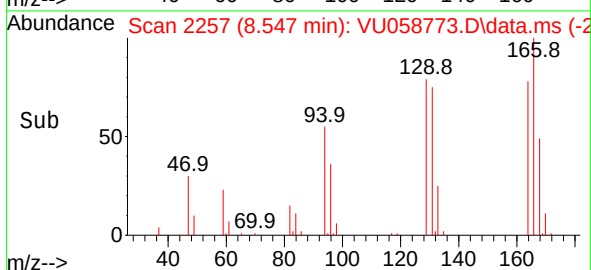
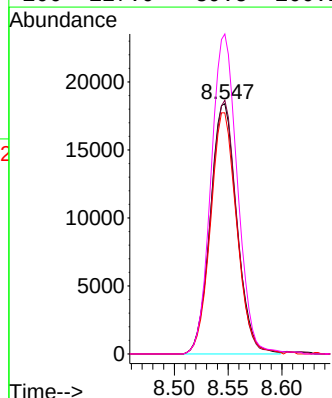
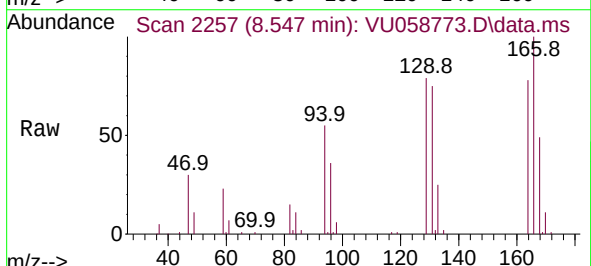
Ion Ratio Lower Upper

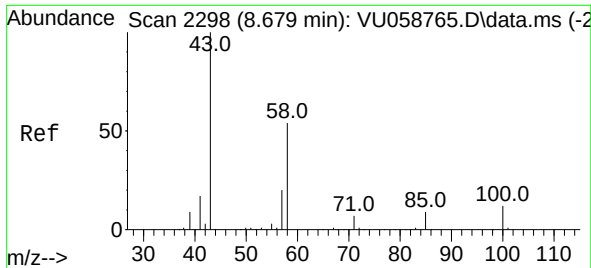
164 100

129 101.4 71.5 132.9

131 96.3 65.0 120.6

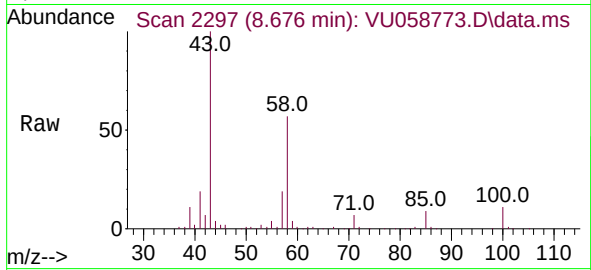
166 127.9 89.5 166.1



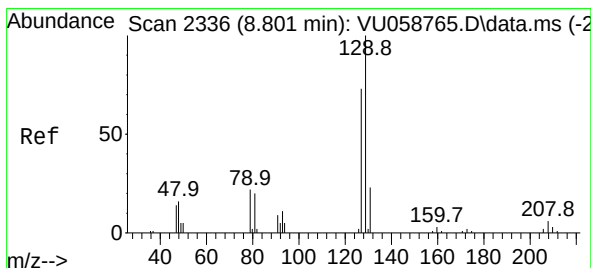
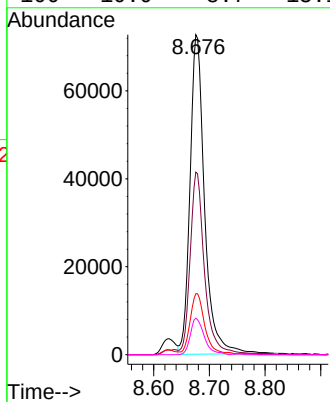
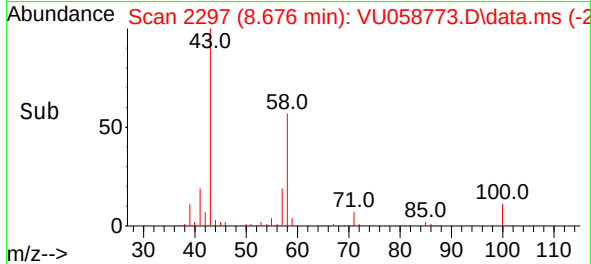


#48
2-Hexanone
Concen: 49.083 ug/L
RT: 8.676 min Scan# 2298
Delta R.T. -0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_U
ClientSampleId :

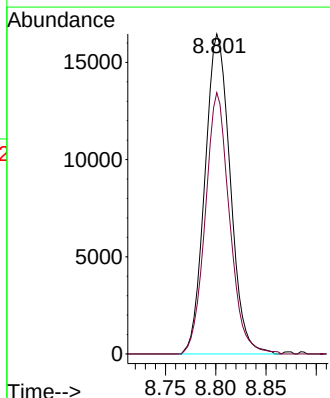
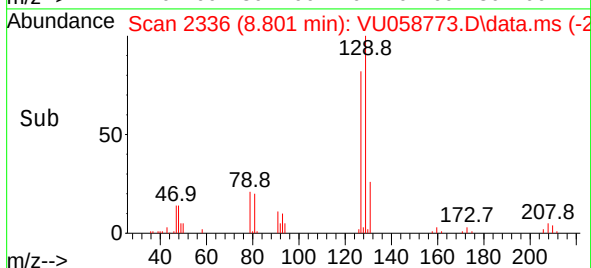
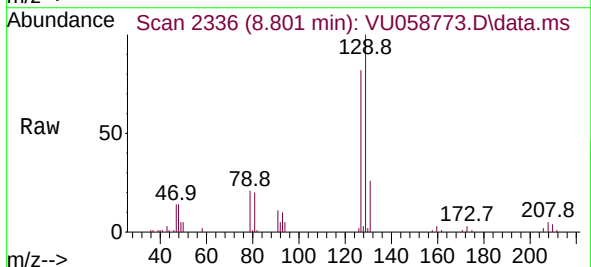


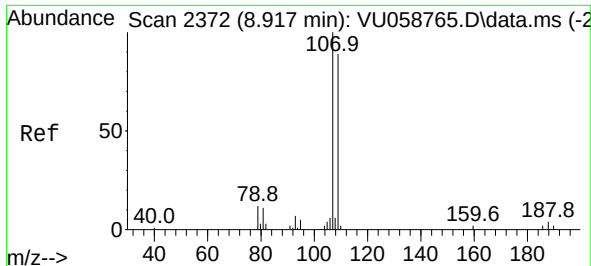
Tgt Ion: 43 Resp: 132216
Ion Ratio Lower Upper
43 100
58 54.3 43.7 65.5
57 18.9 15.0 22.4
100 10.9 8.7 13.1



#49
Dibromochloromethane
Concen: 4.986 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

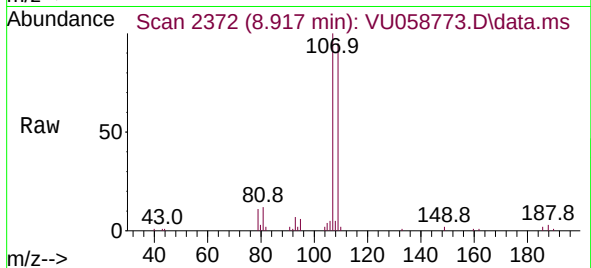
Tgt Ion:129 Resp: 28869
Ion Ratio Lower Upper
129 100
127 81.7 51.0 94.8



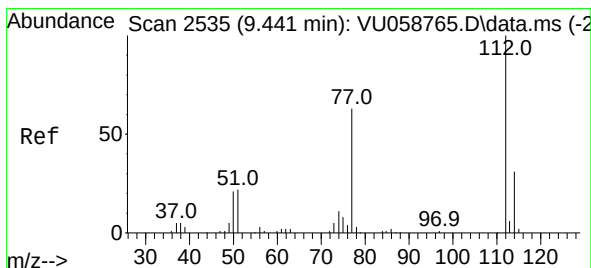
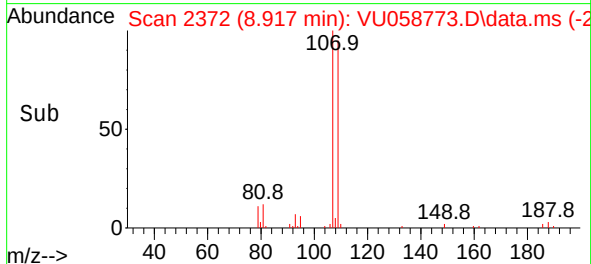
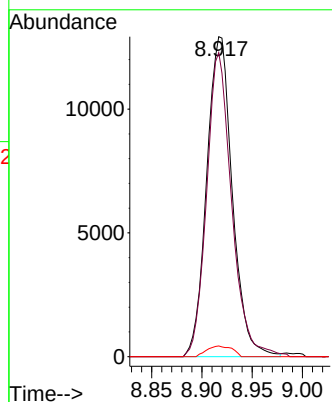


#50
1,2-Dibromoethane
Concen: 5.051 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Instrument :
MSVOA_U
ClientSampleId :

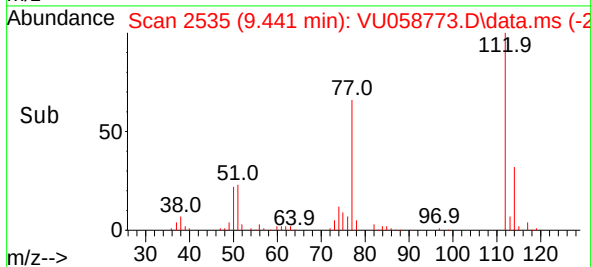
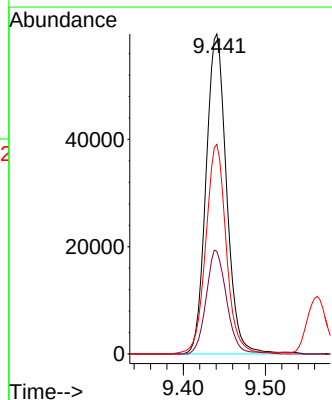
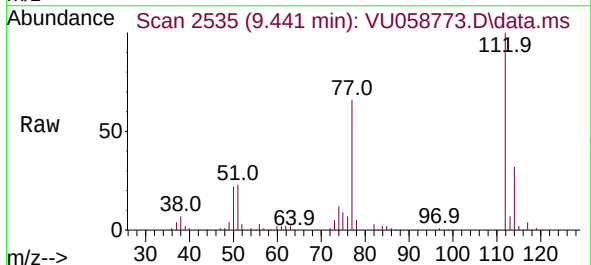


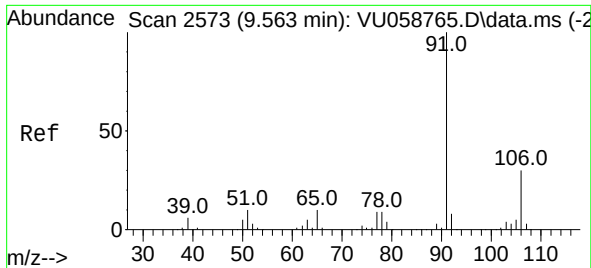
Tgt Ion:107 Resp: 22973
Ion Ratio Lower Upper
107 100
109 95.0 62.3 115.7
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.997 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion:112 Resp: 103483
Ion Ratio Lower Upper
112 100
114 32.1 21.7 40.3
77 65.5 50.5 75.7

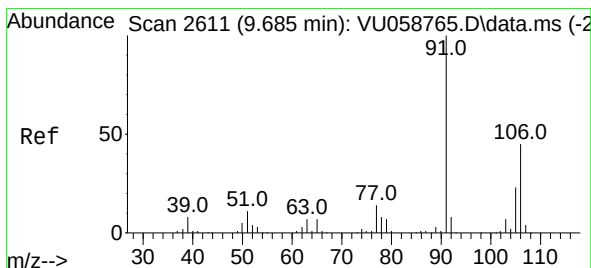
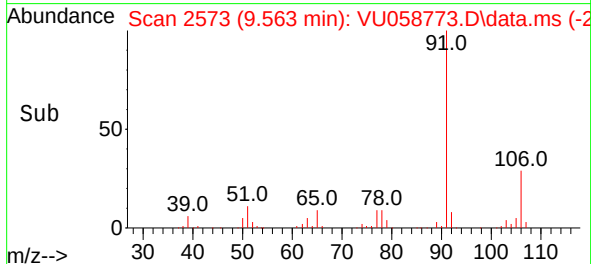
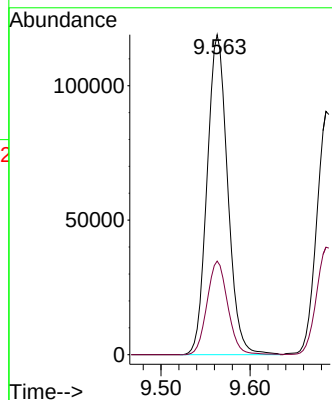
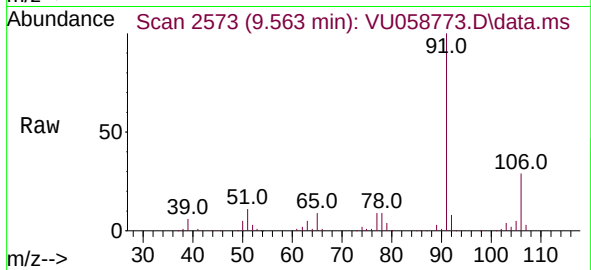




#52
Ethylbenzene
Concen: 5.078 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

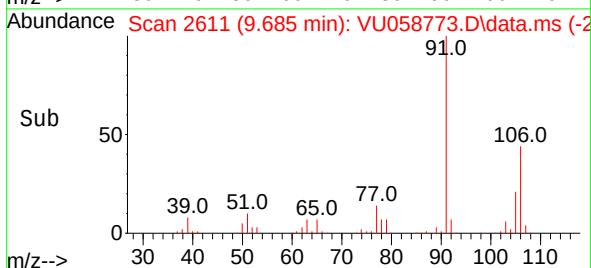
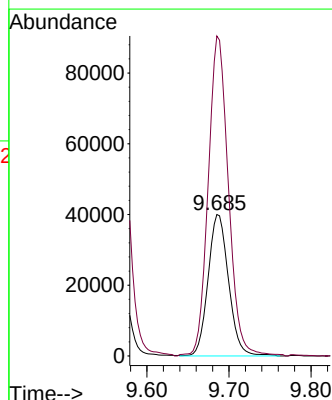
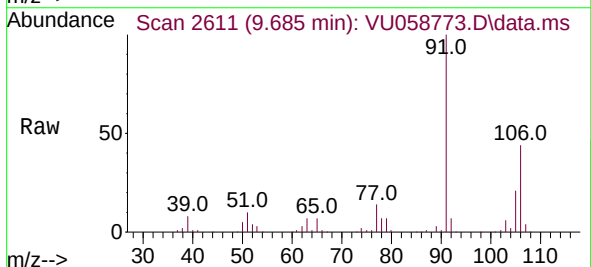
Instrument :
MSVOA_U
ClientSampleId :

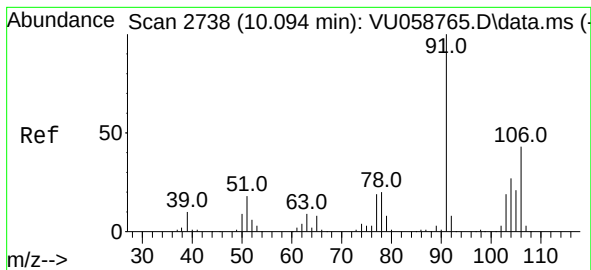
Tgt Ion: 91 Resp: 190362
Ion Ratio Lower Upper
91 100
106 29.2 20.9 38.9



#53
m,p-Xylene
Concen: 5.045 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 106 Resp: 69462
Ion Ratio Lower Upper
106 100
91 226.3 155.1 288.1





#54

o-Xylene

Concen: 5.178 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

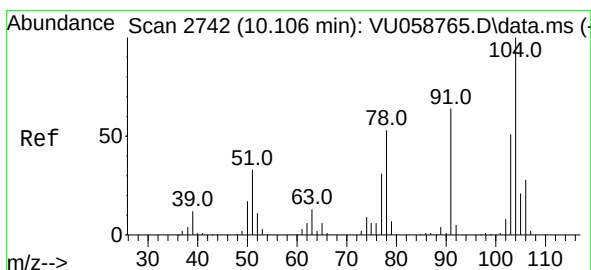
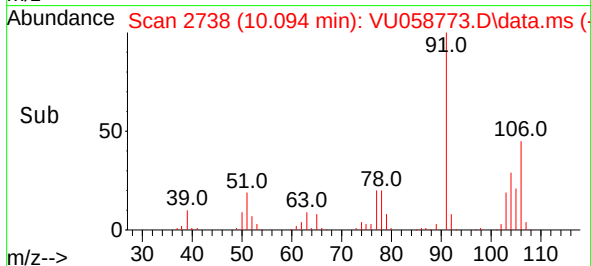
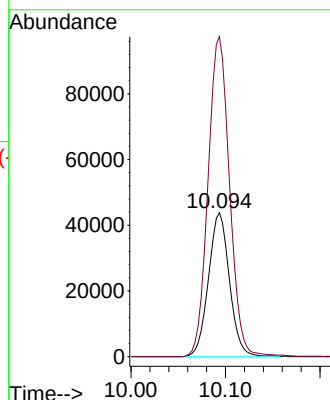
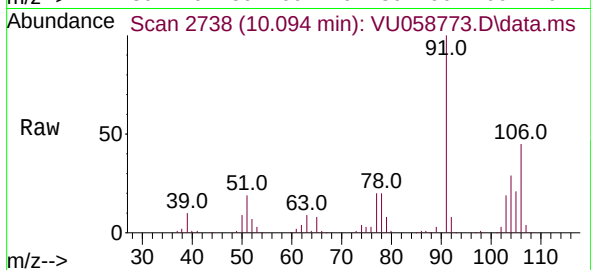
ClientSampleId :

Tgt Ion:106 Resp: 67588

Ion Ratio Lower Upper

106 100

91 222.1 163.7 304.1



#55

Styrene

Concen: 5.307 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU058773.D

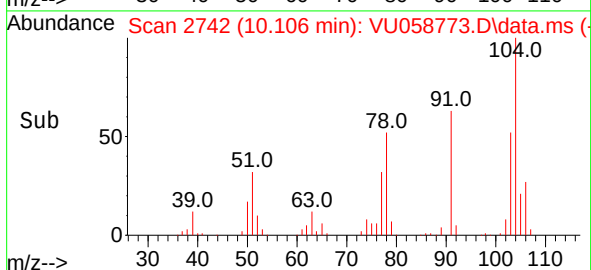
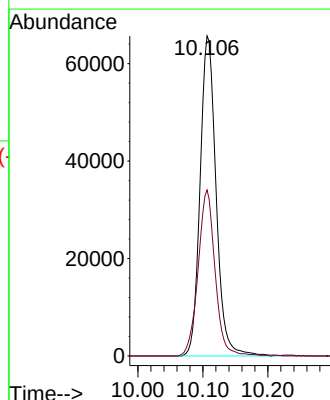
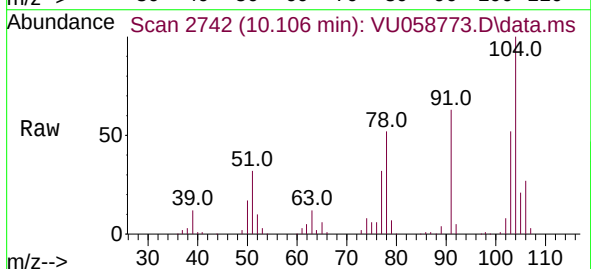
Acq: 22 Apr 2024 18:06

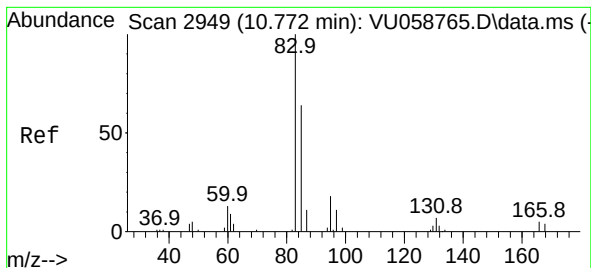
Tgt Ion:104 Resp: 112864

Ion Ratio Lower Upper

104 100

78 51.9 37.1 68.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.944 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU058773.D

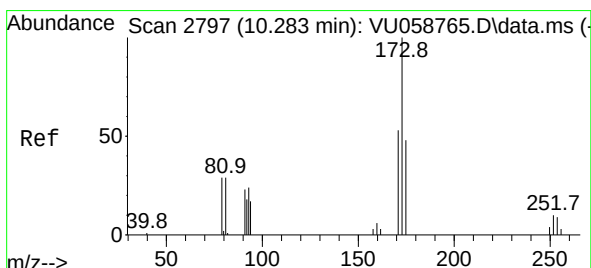
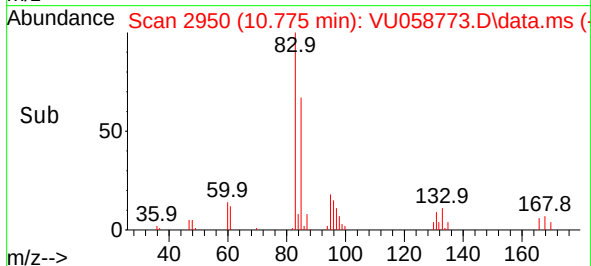
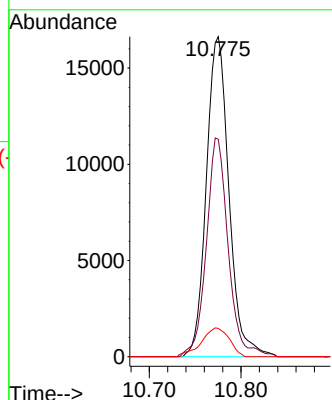
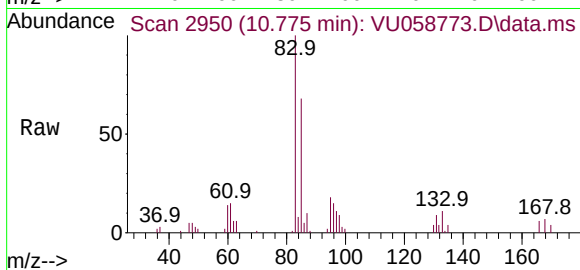
Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	28485
Ion Ratio	Lower	Upper	
83	100		
85	68.0	44.6	82.8
131	8.9	6.7	10.1



#59

Bromoform

Concen: 4.753 ug/L

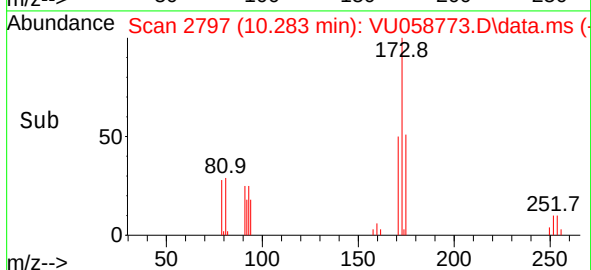
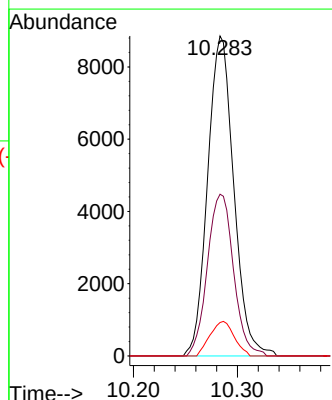
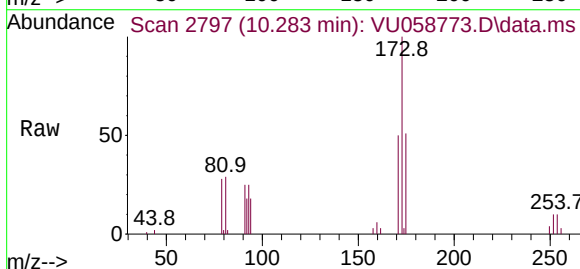
RT: 10.283 min Scan# 2797

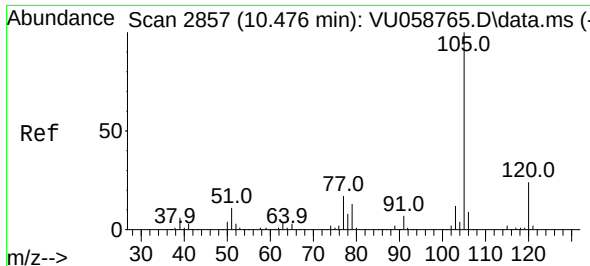
Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Tgt Ion:	173	Resp:	15460
Ion Ratio	Lower	Upper	
173	100		
175	50.6	39.3	58.9
254	10.0	7.5	11.3

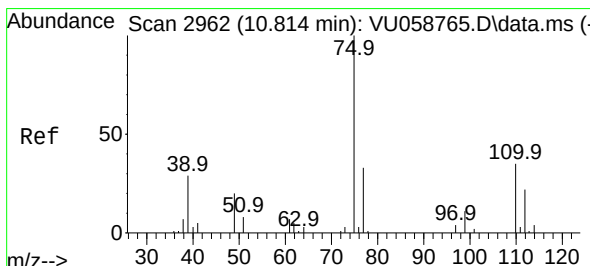
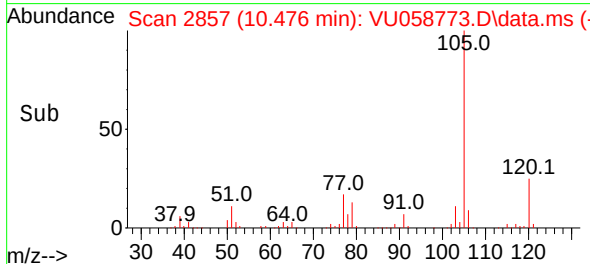
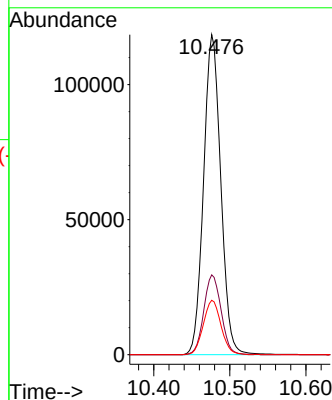
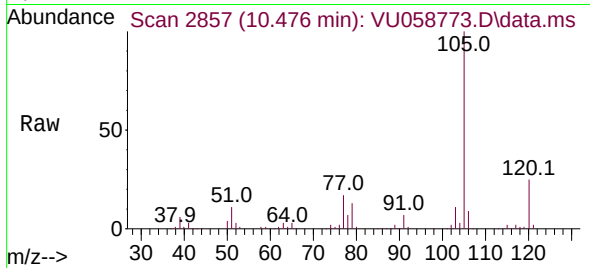




#60
Isopropylbenzene
Concen: 5.056 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

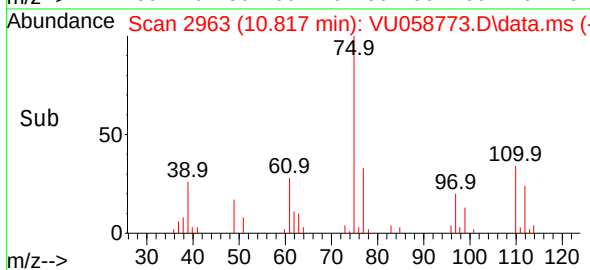
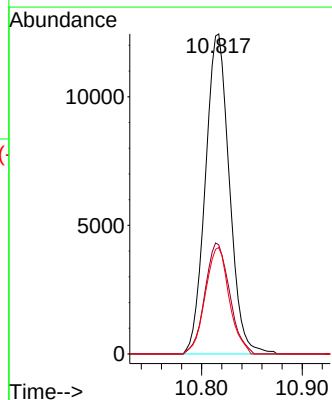
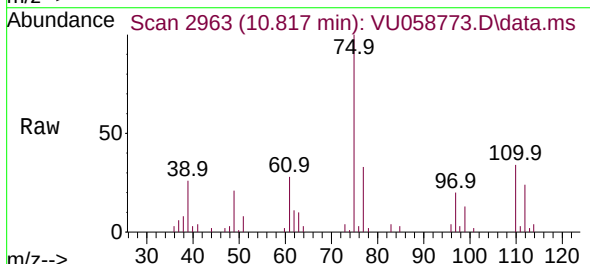
Instrument :
MSVOA_U
ClientSampleId :

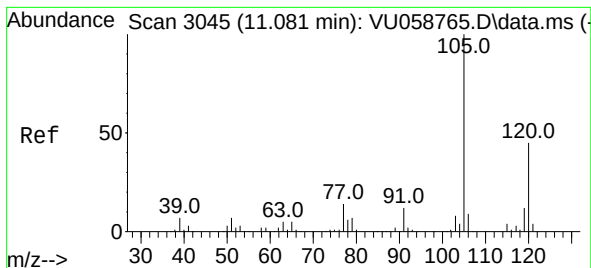
Tgt Ion:105 Resp: 186291
Ion Ratio Lower Upper
105 100
120 25.1 19.6 29.4
77 17.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.891 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU058773.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 75 Resp: 20677
Ion Ratio Lower Upper
75 100
110 35.5 28.6 43.0
77 33.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.971 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

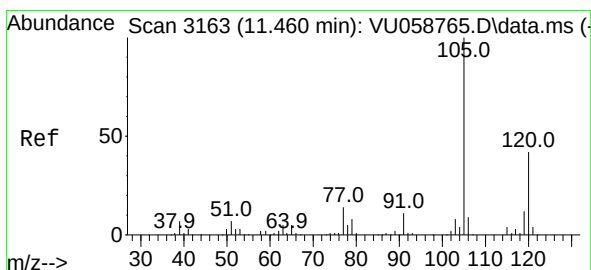
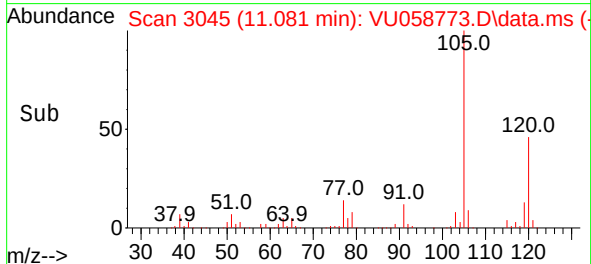
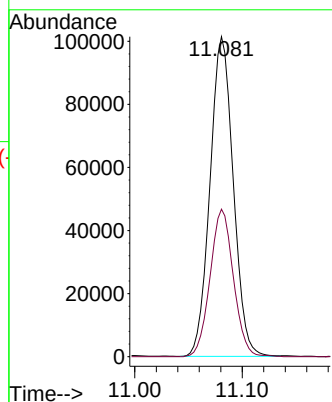
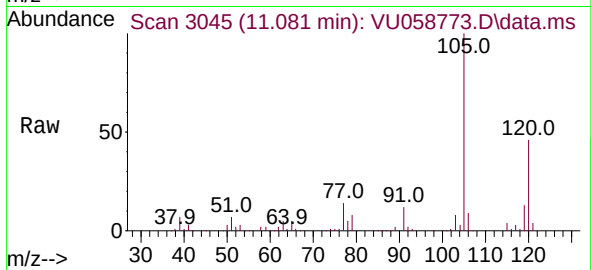
ClientSampleId :

Tgt Ion:105 Resp: 152428

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 5.143 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU058773.D

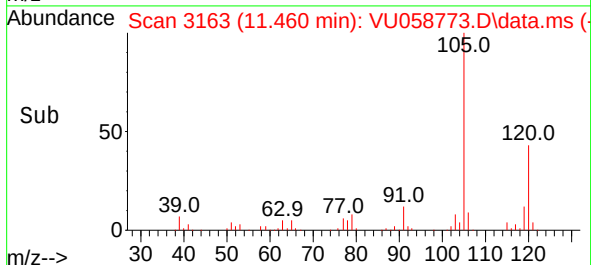
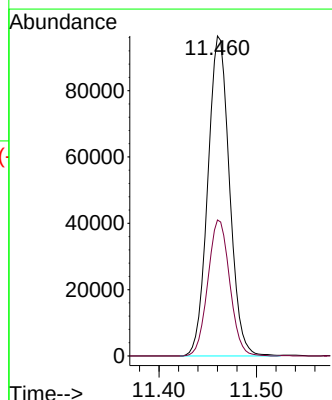
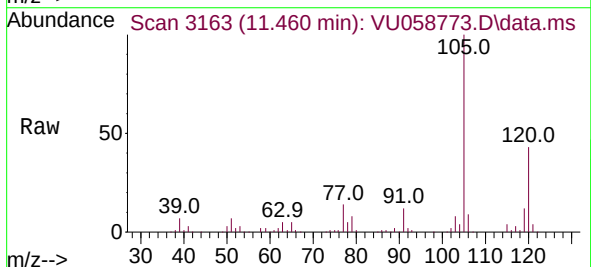
Acq: 22 Apr 2024 18:06

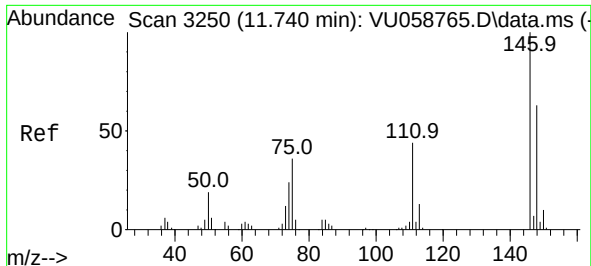
Tgt Ion:105 Resp: 149189

Ion Ratio Lower Upper

105 100

120 42.8 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 4.913 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

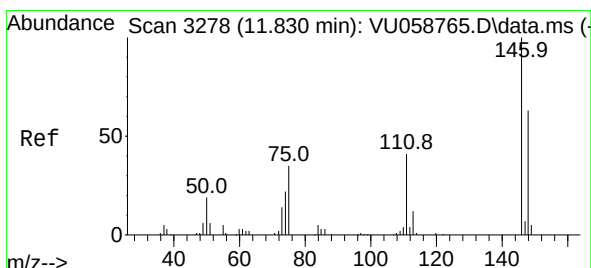
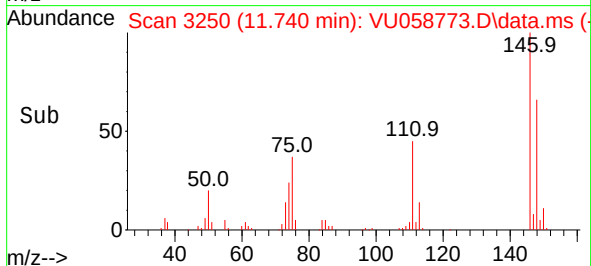
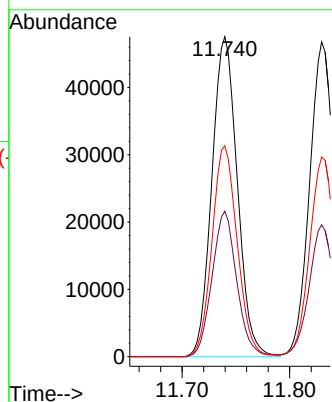
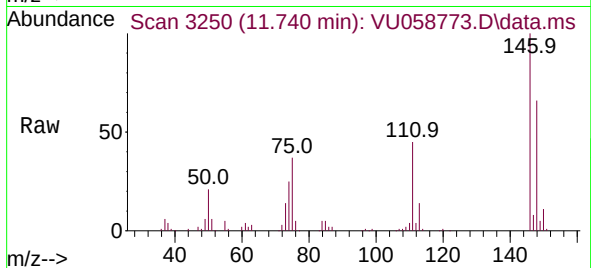
Tgt Ion:146 Resp: 78021

Ion Ratio Lower Upper

146 100

111 45.5 30.9 57.3

148 65.9 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 4.931 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

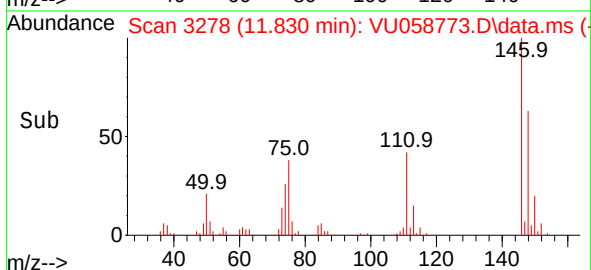
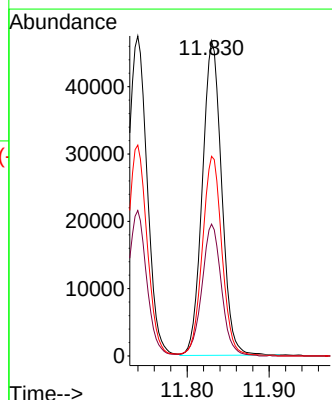
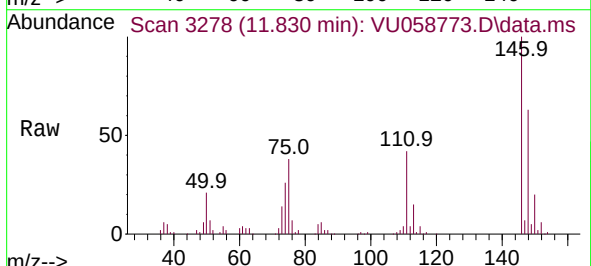
Tgt Ion:146 Resp: 76398

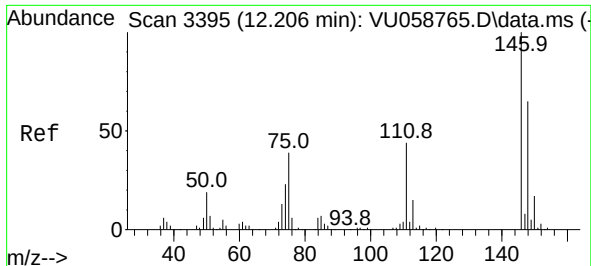
Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.3

148 63.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 5.046 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

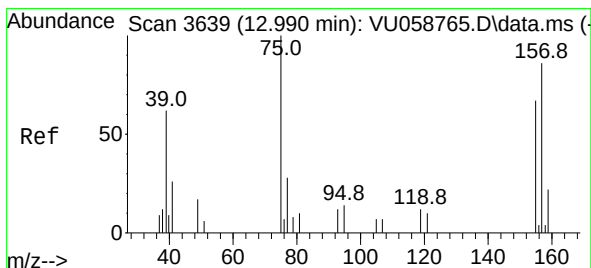
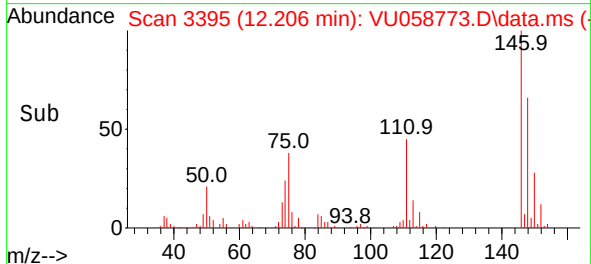
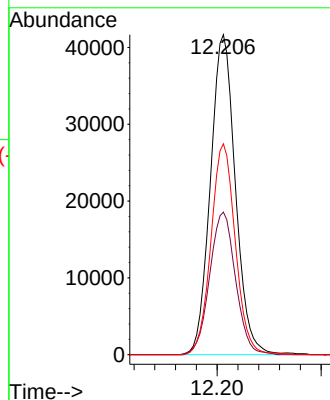
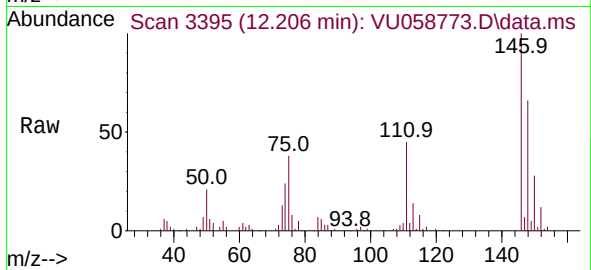
Tgt Ion:146 Resp: 69366

Ion Ratio Lower Upper

146 100

111 44.6 35.7 53.5

148 65.9 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.626 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

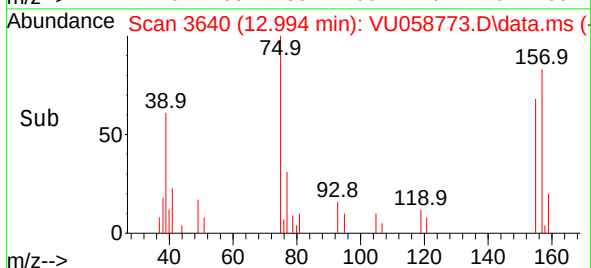
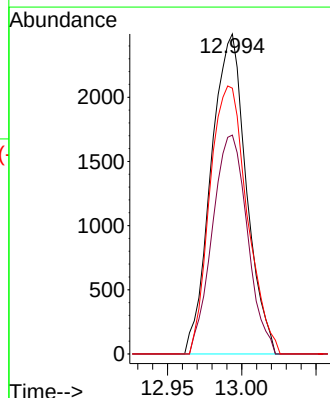
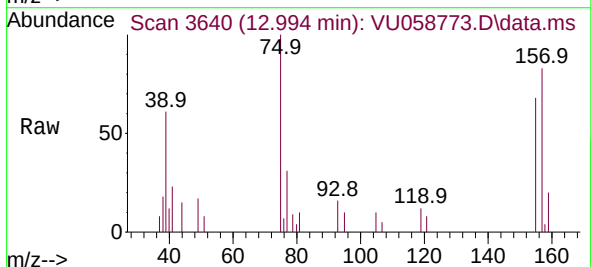
Tgt Ion: 75 Resp: 4110

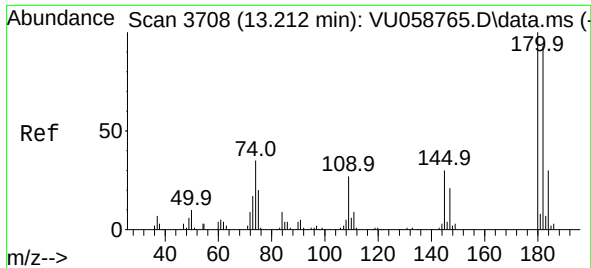
Ion Ratio Lower Upper

75 100

155 68.4 53.6 80.4

157 83.1 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 4.819 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

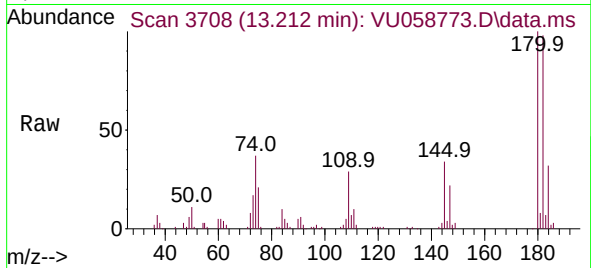
Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 54739

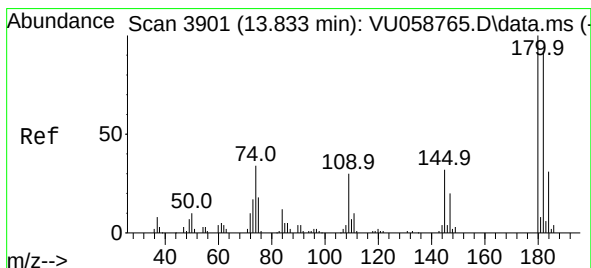
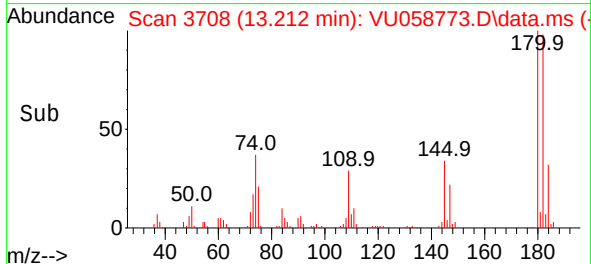
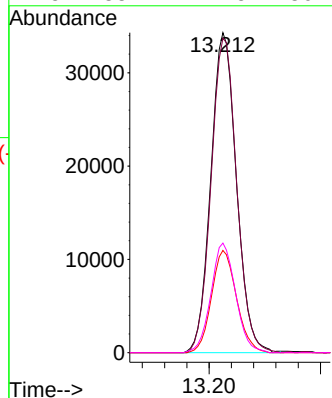
Ion Ratio Lower Upper

180 100

182 98.2 75.9 113.9

184 31.2 24.7 37.1

145 33.1 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.861 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

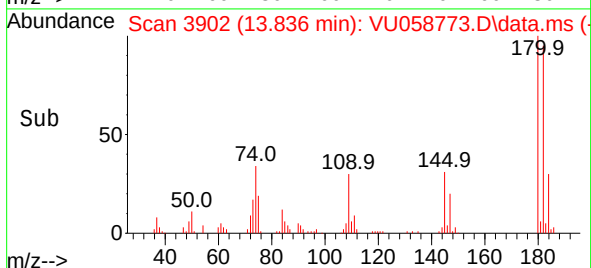
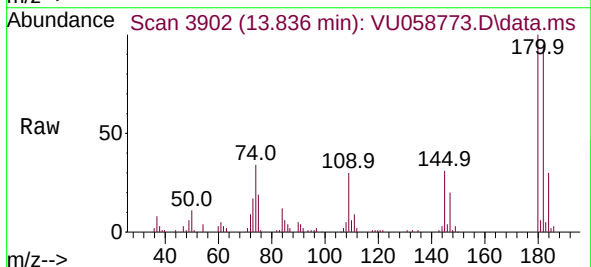
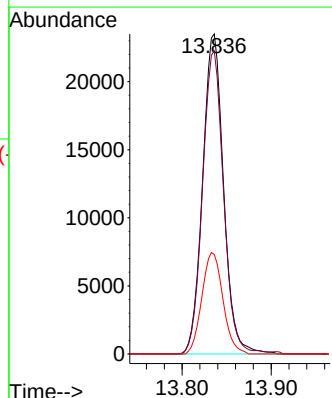
Tgt Ion:180 Resp: 38385

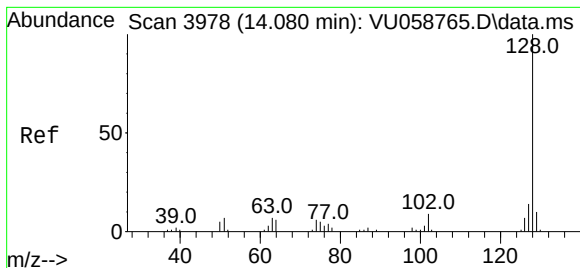
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 31.8 25.7 38.5





#71

Naphthalene

Concen: 4.497 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Instrument :

MSVOA_U

ClientSampleId :

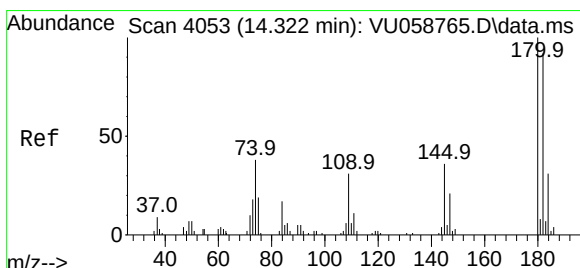
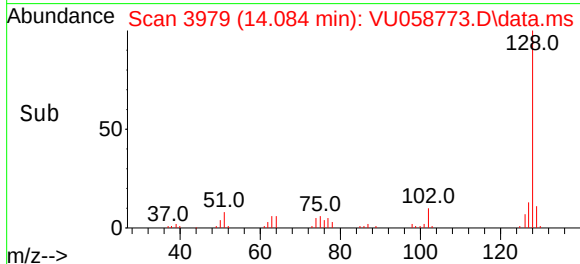
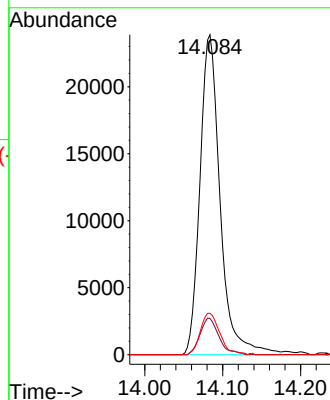
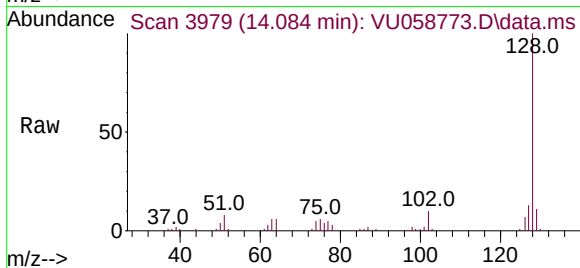
Tgt Ion:128 Resp: 42968

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

127 12.5 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.990 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU058773.D

Acq: 22 Apr 2024 18:06

Tgt Ion:180 Resp: 31233

Ion Ratio Lower Upper

180 100

182 91.5 75.0 112.6

145 33.1 27.6 41.4

