

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060773.D
 Acq On : 16 Sep 2024 10:50
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 01:10:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 17 01:09:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	158480	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	163098	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70864	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	6710	0.575	ug/L	0.00
7) Chloroethane-d5	1.911	69	4576	0.432	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	2250	0.478	ug/L	0.00
20) 2-Butanone-d5	4.743	46	458	0.200	ug/L	0.11
24) Chloroform-d	5.055	84	10013	0.444	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.708	65	4648	0.429	ug/L	0.01
32) Benzene-d6	5.727	84	19043	0.427	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	6223	0.450	ug/L	0.00
41) Toluene-d8	7.894	98	15727	0.377	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	2006	0.449	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	5915	3.242	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	4663	0.411	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	5752	0.459	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	5839	0.439	ug/L	95
3) Chloromethane	1.518	50	6706	0.478	ug/L	96
5) Vinyl chloride	1.602	62	6954	0.447	ug/L	95
6) Bromomethane	1.856	94	4444	0.412	ug/L	100
8) Chloroethane	1.933	64	4106	0.440	ug/L	100
9) Trichlorofluoromethane	2.136	101	9520	0.496	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	5221	0.432	ug/L	98
12) 1,1-Dichloroethene	2.573	96	4894	0.442	ug/L	87
13) Acetone	2.660	43	6615	4.400	ug/L	84
14) Carbon disulfide	2.792	76	13939	0.390	ug/L	98
15) Methyl Acetate	2.969	43	1635	0.430	ug/L #	82
16) Methylene chloride	3.039	84	5504	0.418	ug/L	88
17) Methyl tert-butyl Ether	3.358	73	10294	0.427	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	5198	0.457	ug/L	88
19) 1,1-Dichloroethane	3.869	63	10515	0.490	ug/L	92
21) 2-Butanone	4.740	43	7702	3.242	ug/L	88
22) cis-1,2-Dichloroethene	4.666	96	4971	0.393	ug/L	92
23) Bromochloromethane	4.978	128	2597	0.448	ug/L	88
25) Chloroform	5.084	83	11015	0.489	ug/L	95
27) 1,2-Dichloroethane	5.792	62	6420	0.475	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	8871	0.475	ug/L	99
30) Cyclohexane	5.386	56	6132	0.379	ug/L	95
31) Carbon tetrachloride	5.522	117	7664	0.483	ug/L	97
33) Benzene	5.772	78	20739	0.425	ug/L	100
34) Trichloroethene	6.541	95	5549	0.421	ug/L	83
35) Methylcyclohexane	6.753	83	6805	0.367	ug/L	94
37) 1,2-Dichloropropane	6.788	63	5847	0.459	ug/L #	93
38) Bromodichloromethane	7.103	83	7492	0.473	ug/L	98
39) cis-1,3-Dichloropropene	7.608	75	6806	0.393	ug/L	100
40) 4-Methyl-2-pentanone	7.792	43	23577	3.975	ug/L	98
42) Toluene	7.968	91	18835	0.364	ug/L	95
44) trans-1,3-Dichloropropene	8.210	75	5564	0.398	ug/L	100

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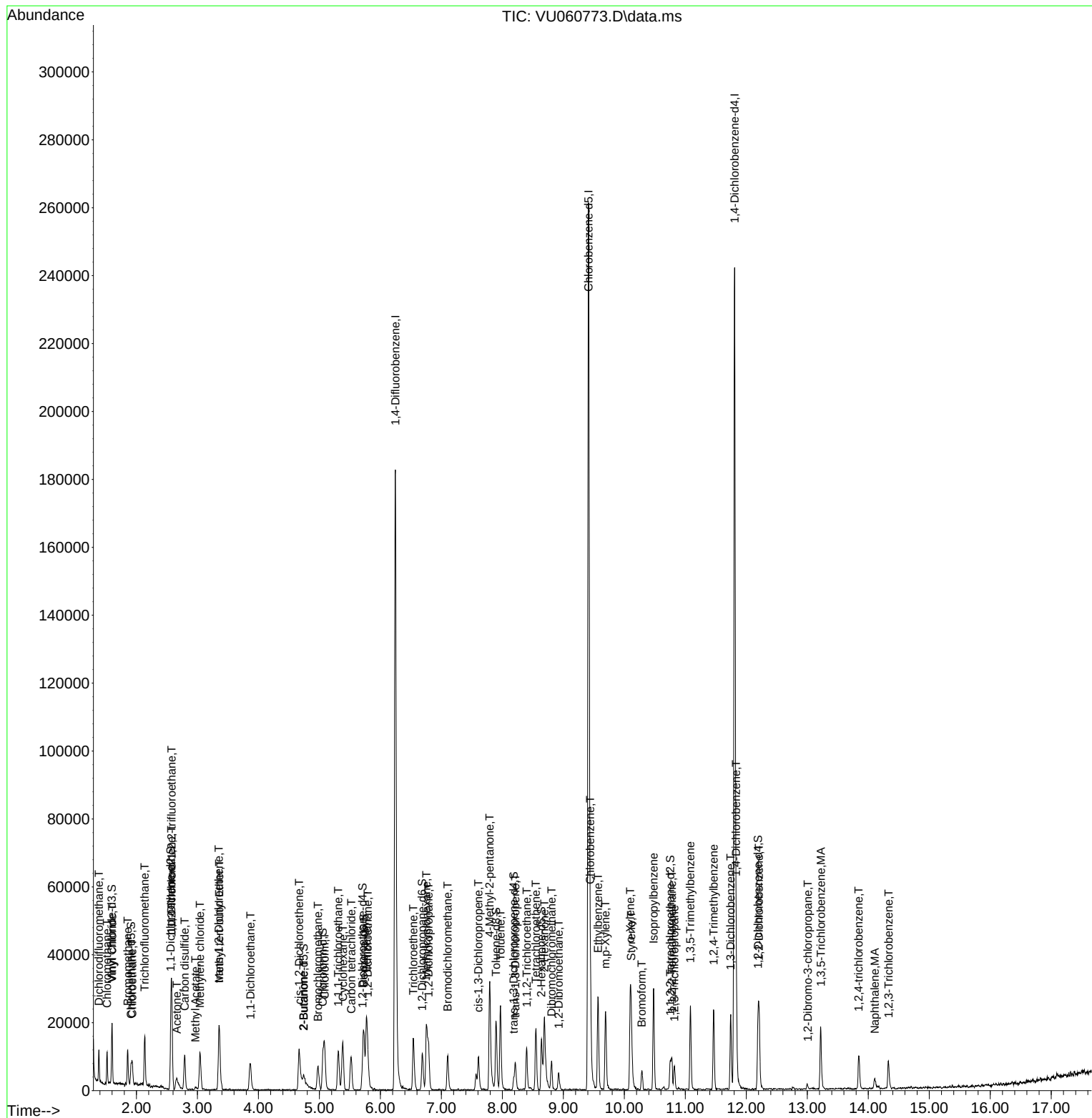
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

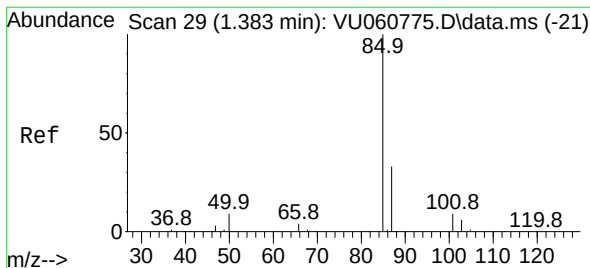
45) 1,1,2-Trichloroethane	8.402	97	4364	0.469	ug/L	89
47) Tetrachloroethene	8.550	164	4258	0.417	ug/L	94
48) 2-Hexanone	8.689	43	15672	3.690	ug/L #	95
49) Dibromochloromethane	8.804	129	4921	0.472	ug/L	80
50) 1,2-Dibromoethane	8.923	107	3769	0.437	ug/L #	82
51) Chlorobenzene	9.441	112	14893	0.453	ug/L	95
52) Ethylbenzene	9.570	91	20346	0.384	ug/L	87
53) m,p-Xylene	9.689	106	6946	0.341	ug/L	97
54) o-Xylene	10.097	106	7323	0.377	ug/L	89
55) Styrene	10.113	104	12131	0.370	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.779	83	5471	0.479	ug/L	91
59) Bromoform	10.283	173	2830	0.526	ug/L #	91
60) Isopropylbenzene	10.480	105	18359	0.424	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	3750	0.581	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	13792	0.405	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	13039	0.397	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	9694	0.437	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	10887	0.480	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	9410	0.452	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.007	75	632	0.495	ug/L #	51
69) 1,3,5-Trichlorobenzene	13.222	180	7584	0.463	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	4673	0.378	ug/L	92
71) Naphthalene	14.106	128	4698	0.269	ug/L #	79
72) 1,2,3-Trichlorobenzene	14.331	180	3589	0.315	ug/L	93

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

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MSVOA_U
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#2

Dichlorodifluoromethane

Concen: 0.439 ug/L

RT: 1.383 min Scan# 29

Delta R.T. 0.000 min

Lab File: VU060773.D

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Instrument :

MSVOA_U

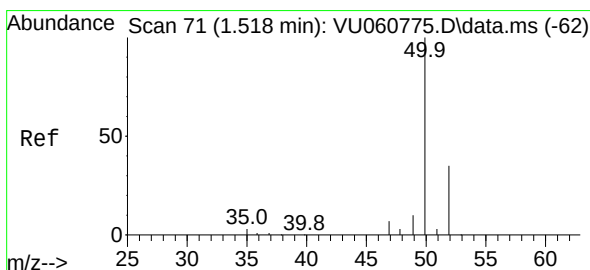
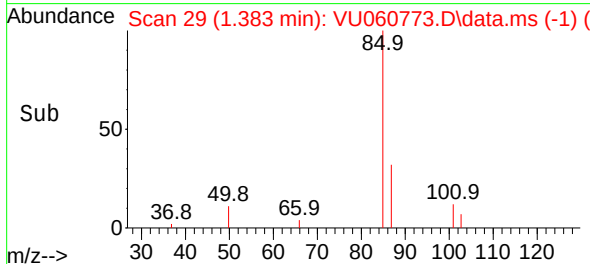
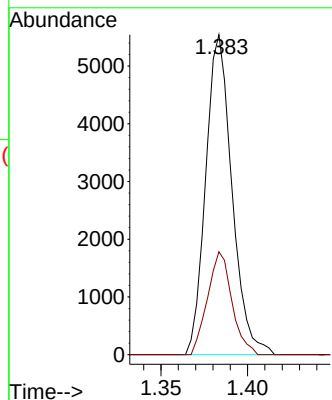
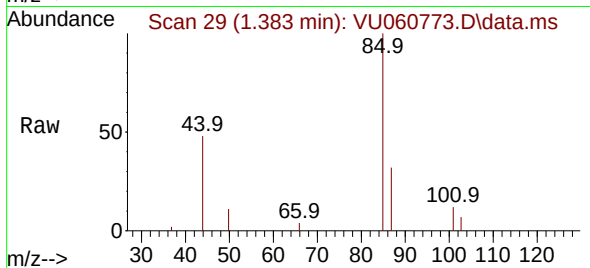
ClientSampleId :

Tgt Ion: 85 Resp: 5839

Ion Ratio Lower Upper

85 100

87 29.9 26.2 39.2



#3

Chloromethane

Concen: 0.478 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU060773.D

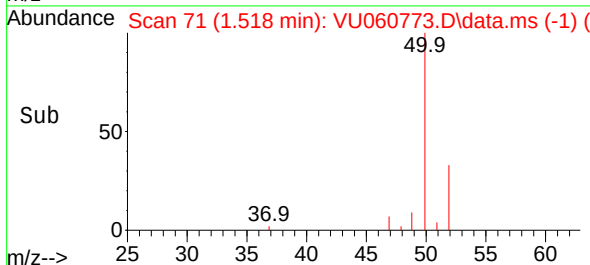
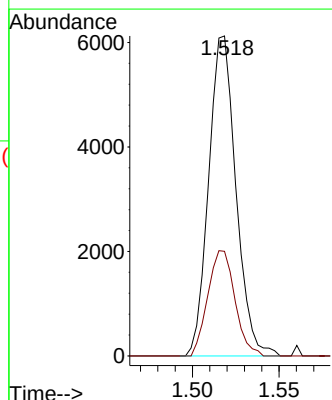
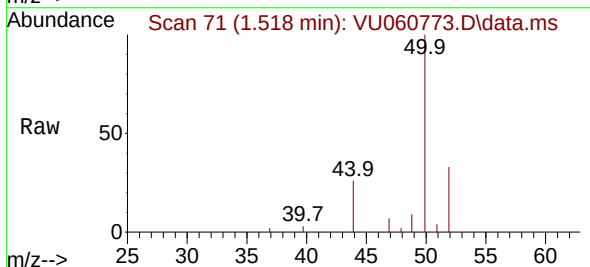
Acq: 16 Sep 2024 10:50

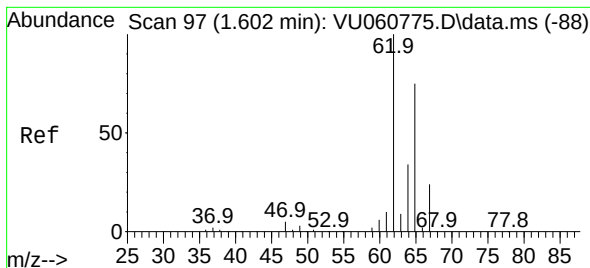
Tgt Ion: 50 Resp: 6706

Ion Ratio Lower Upper

50 100

52 32.7 24.4 45.4





#5

Vinyl chloride

Concen: 0.447 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

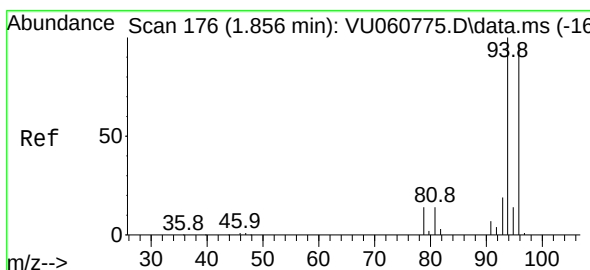
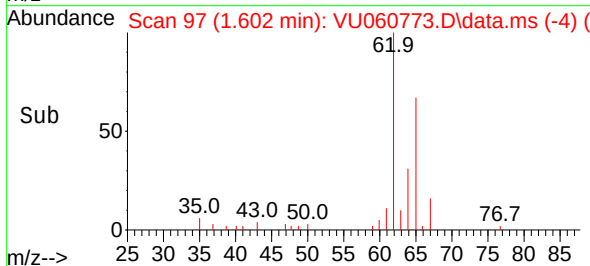
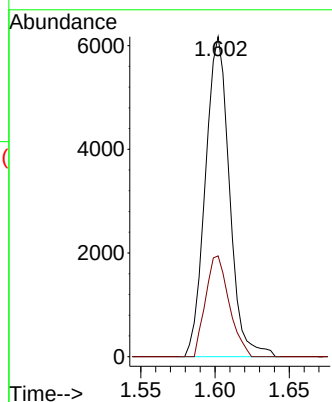
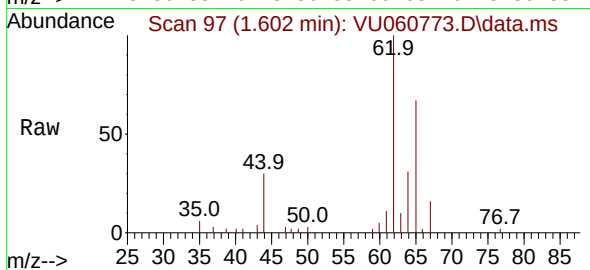
ClientSampleId :

Tgt Ion: 62 Resp: 6954

Ion Ratio Lower Upper

62 100

64 31.5 24.0 44.6



#6

Bromomethane

Concen: 0.412 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU060773.D

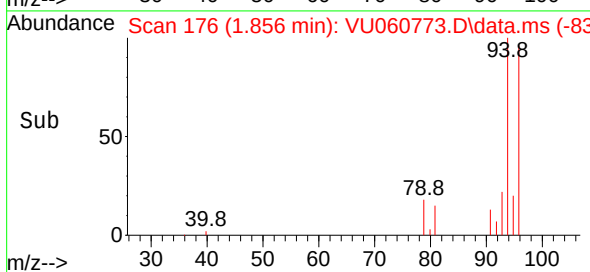
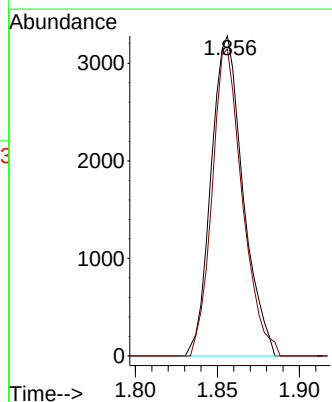
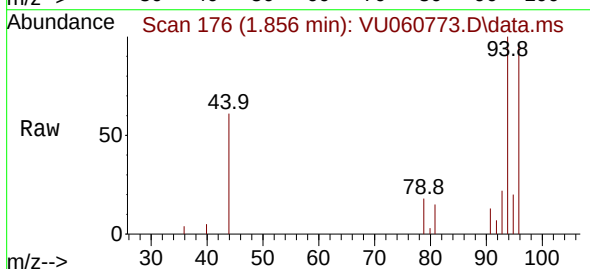
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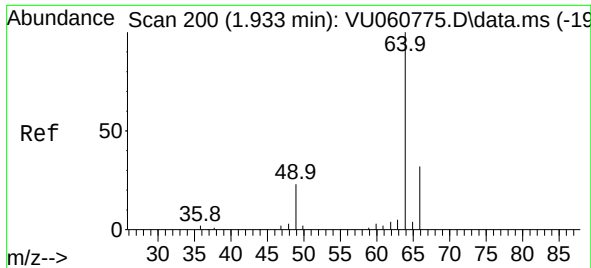
Tgt Ion: 94 Resp: 4444

Ion Ratio Lower Upper

94 100

96 95.9 67.3 124.9

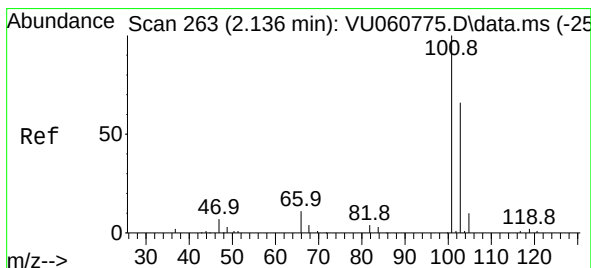
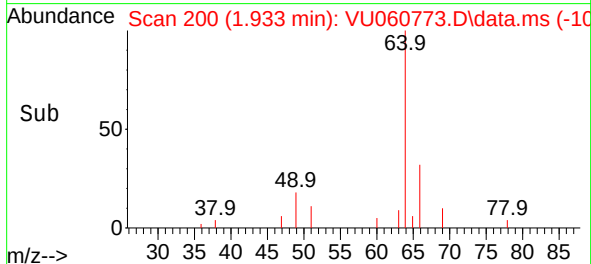
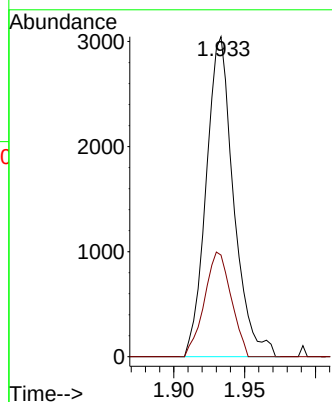
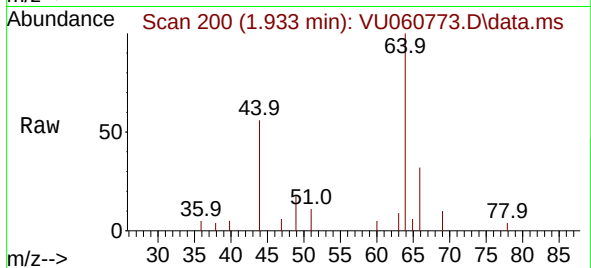




#8
Chloroethane
Concen: 0.440 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

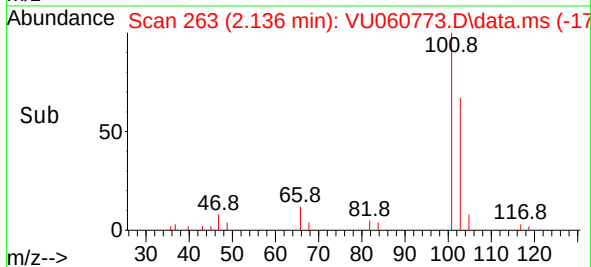
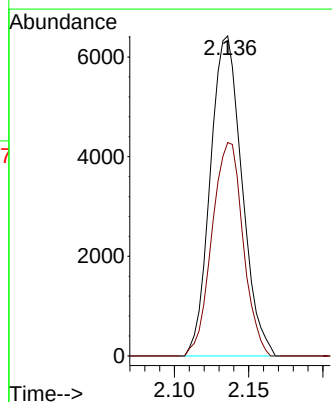
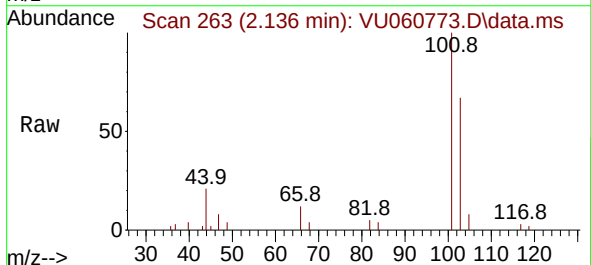
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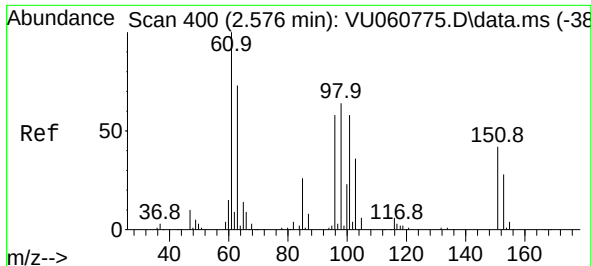
Tgt Ion: 64 Resp: 4106
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 0.496 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion:101 Resp: 9520
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.2

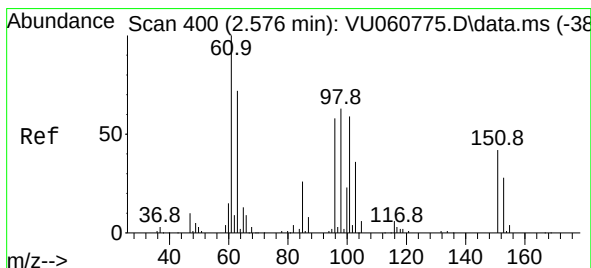
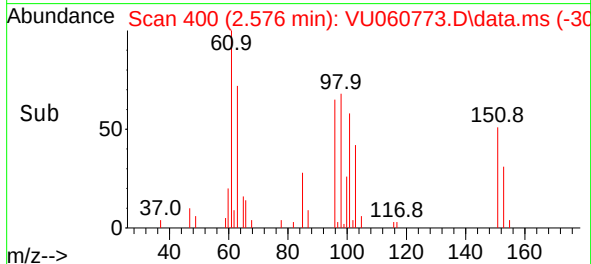
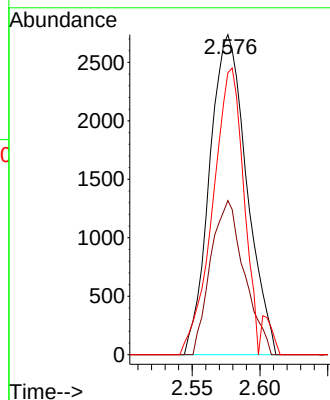
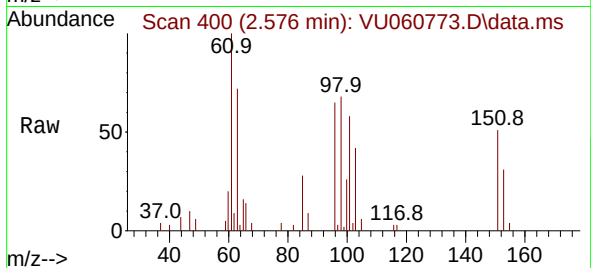




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.432 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU060773.D
 Acq: 16 Sep 2024 10:50

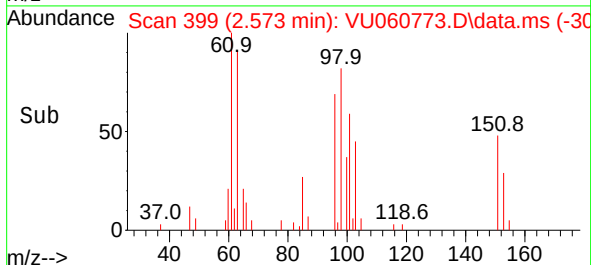
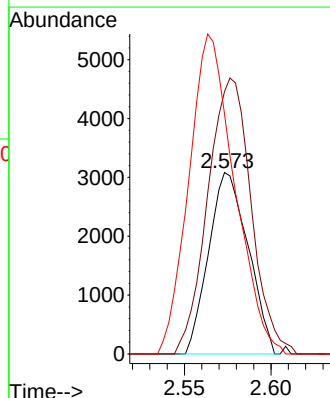
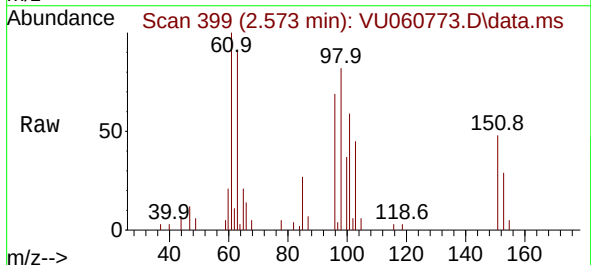
Instrument :
 MSVOA_U
 ClientSampleId :

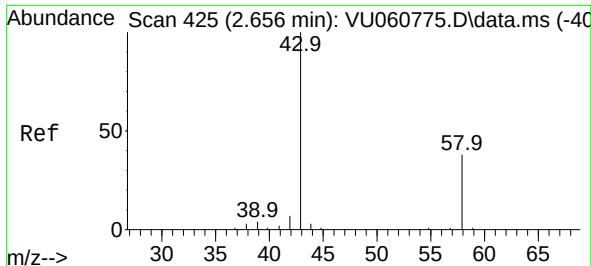
Tgt Ion:101 Resp: 5221
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.2 51.4
 151 74.6 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 0.442 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU060773.D
 Acq: 16 Sep 2024 10:50

Tgt Ion: 96 Resp: 4894
 Ion Ratio Lower Upper
 96 100
 61 144.6 120.7 224.1
 63 132.3 90.0 167.2





#13

Acetone

Concen: 4.400 ug/L

RT: 2.660 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

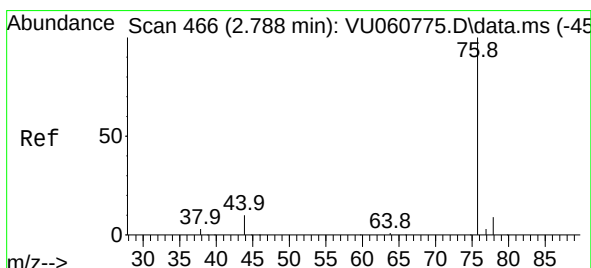
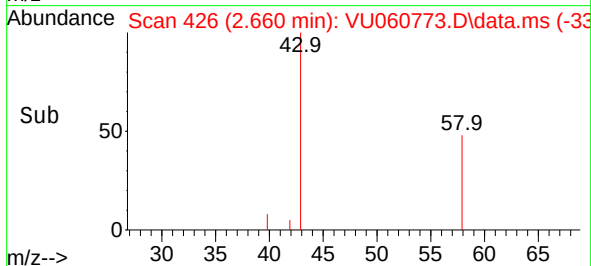
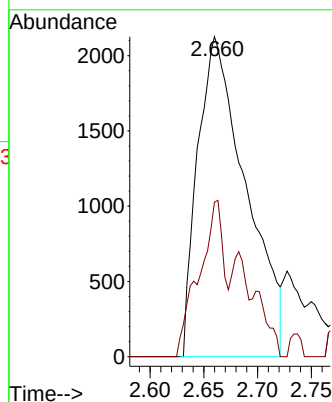
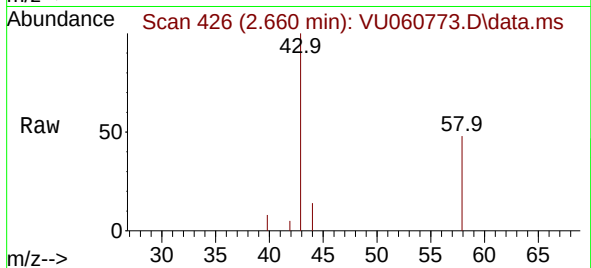
ClientSampleId :

Tgt Ion: 43 Resp: 6615

Ion Ratio Lower Upper

43 100

58 25.5 0.0 69.6



#14

Carbon disulfide

Concen: 0.390 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.004 min

Lab File: VU060773.D

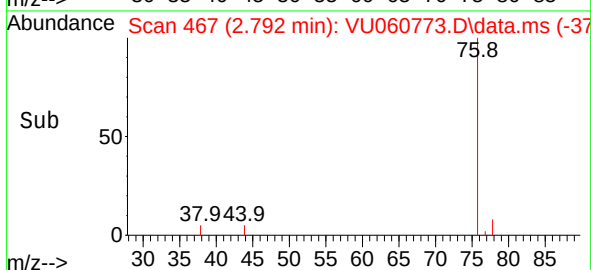
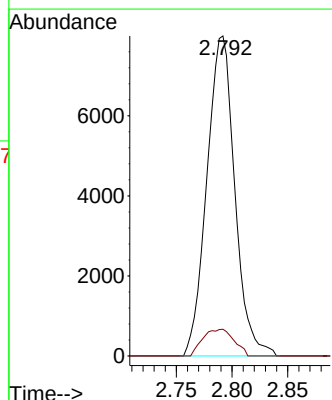
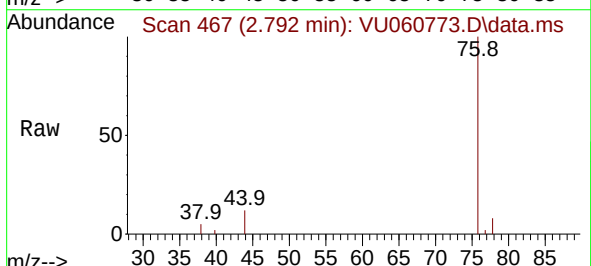
Acq: 16 Sep 2024 10:50

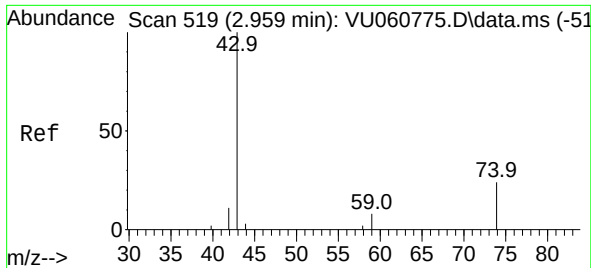
Tgt Ion: 76 Resp: 13939

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

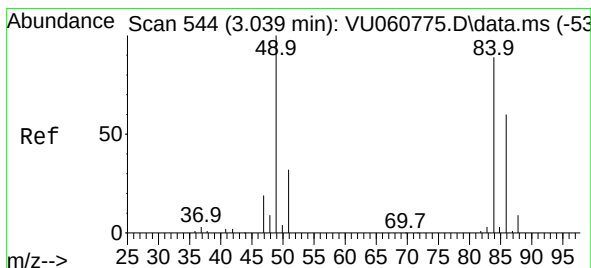
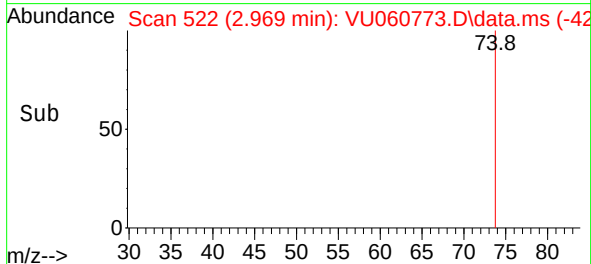
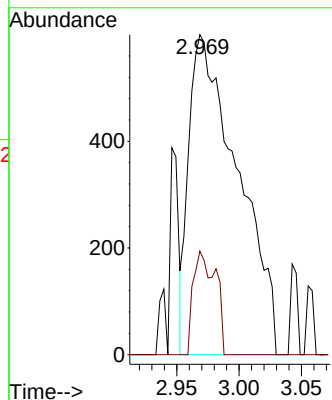
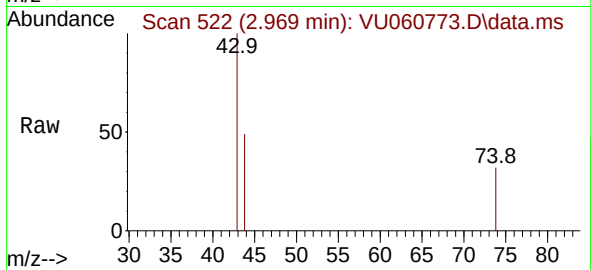




#15
Methyl Acetate
Concen: 0.430 ug/L
RT: 2.969 min Scan# 519
Delta R.T. 0.010 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

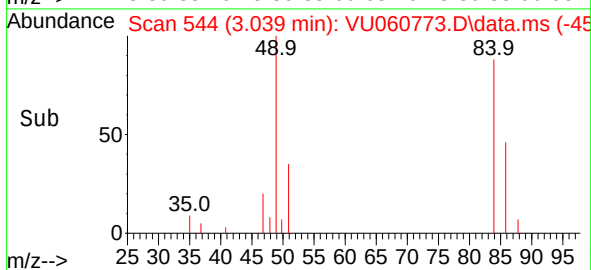
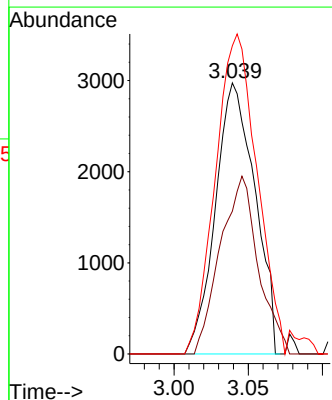
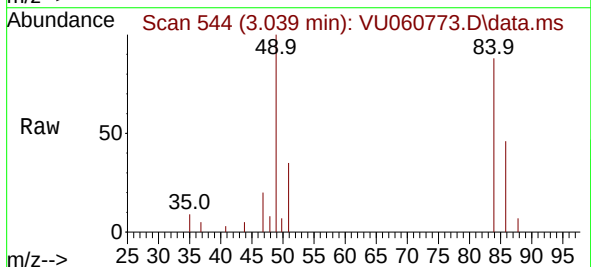
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ClientSampleId :

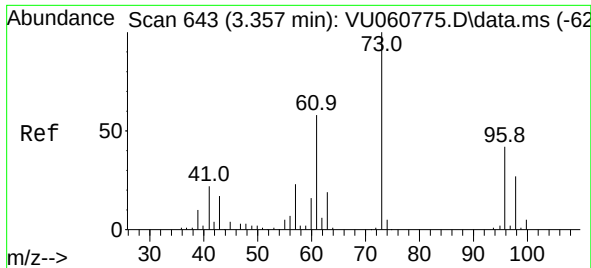
Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
74 14.7 18.9 28.3#



#16
Methylene chloride
Concen: 0.418 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 84 Resp: 5504
Ion Ratio Lower Upper
84 100
86 52.7 47.3 87.8
49 121.9 78.7 146.1

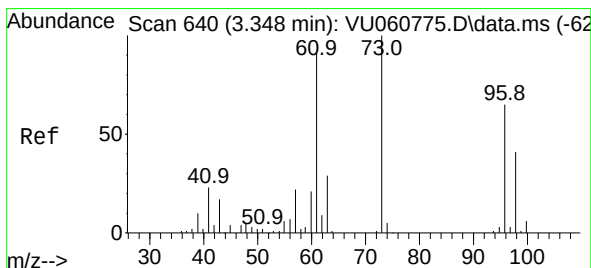
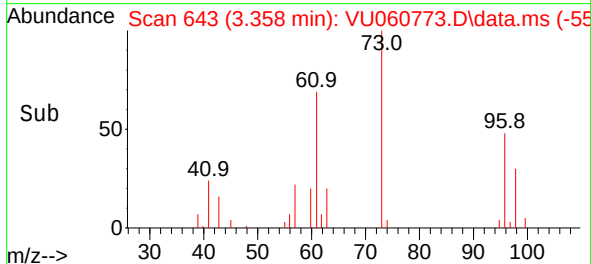
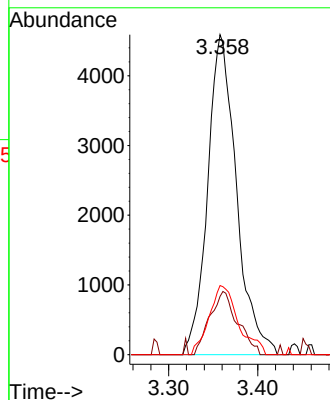
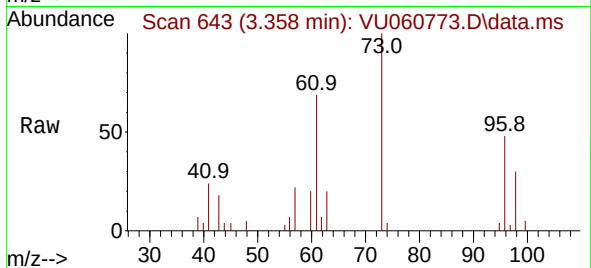




#17
Methyl tert-butyl Ether
Concen: 0.427 ug/L
RT: 3.358 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

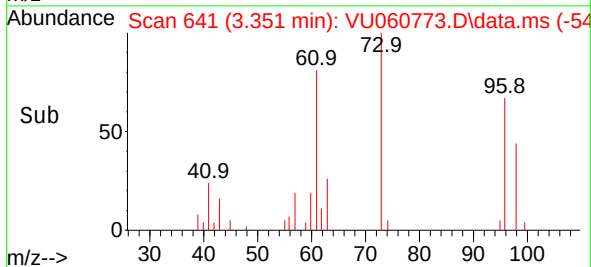
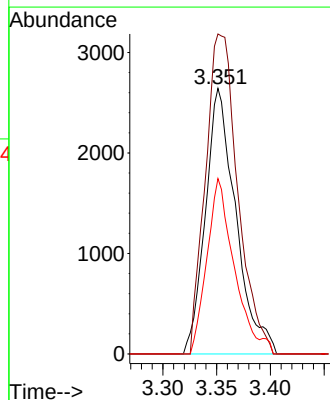
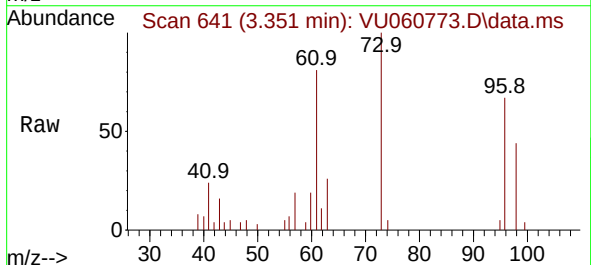
Instrument :
MSVOA_U
ClientSampleId :

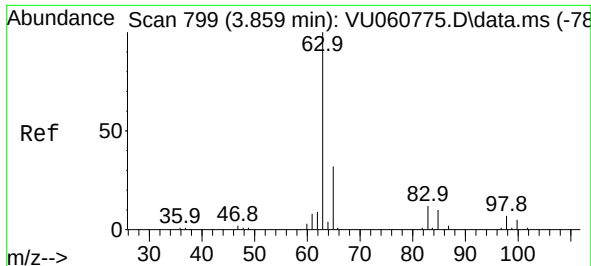
Tgt Ion: 73	Resp: 10294
Ion Ratio	Lower Upper
73 100	
43 19.1	13.8 20.8
57 22.0	18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.457 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.004 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 96	Resp: 5198
Ion Ratio	Lower Upper
96 100	
61 120.5	97.2 180.6
98 66.0	43.3 80.5

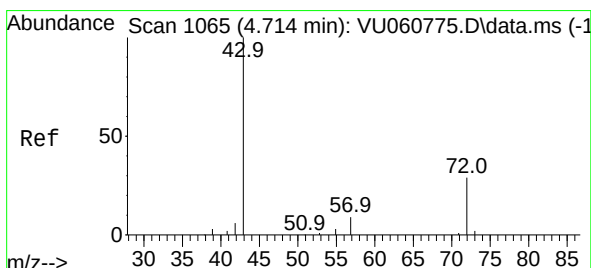
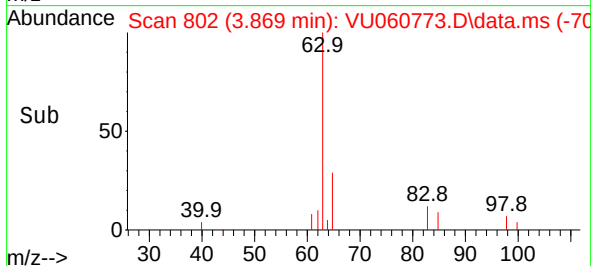
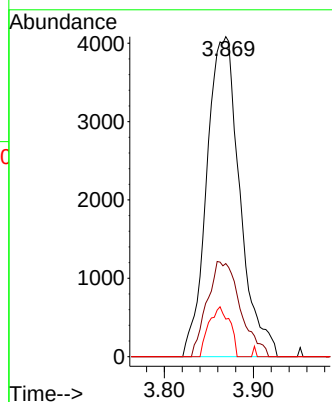
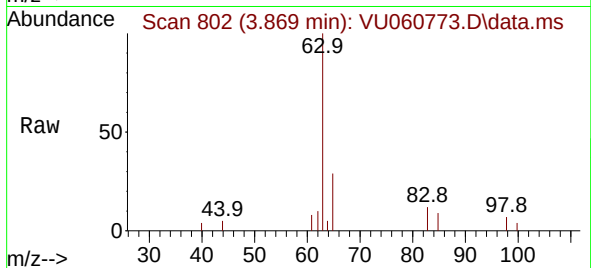




#19
1,1-Dichloroethane
Concen: 0.490 ug/L
RT: 3.869 min Scan# 80
Delta R.T. 0.010 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

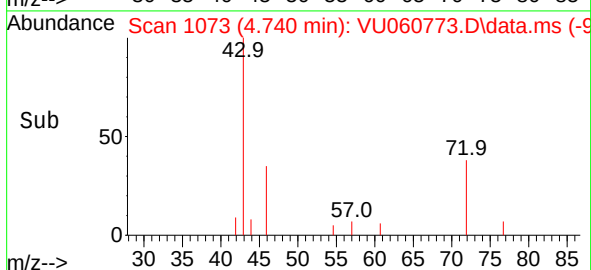
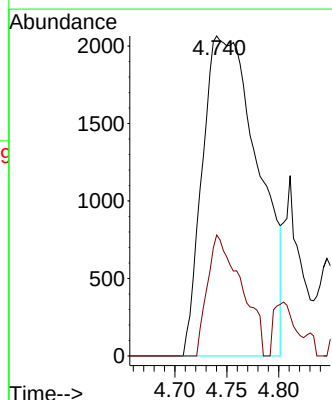
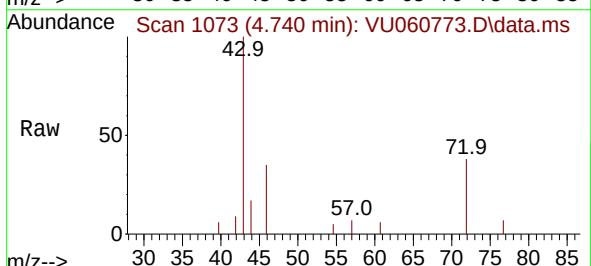
Instrument :
MSVOA_U
ClientSampleId :

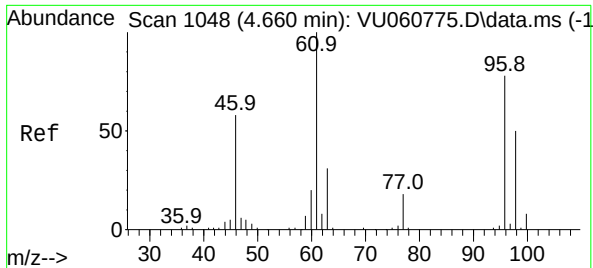
Tgt Ion: 63 Resp: 10515
Ion Ratio Lower Upper
63 100
65 27.8 23.0 42.8
83 11.2 9.0 16.6



#21
2-Butanone
Concen: 3.242 ug/L
RT: 4.740 min Scan# 1073
Delta R.T. 0.026 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 43 Resp: 7702
Ion Ratio Lower Upper
43 100
72 22.9 14.8 44.3





#22

cis-1,2-Dichloroethene

Concen: 0.393 ug/L

RT: 4.666 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

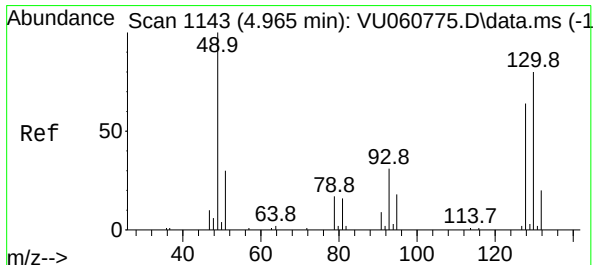
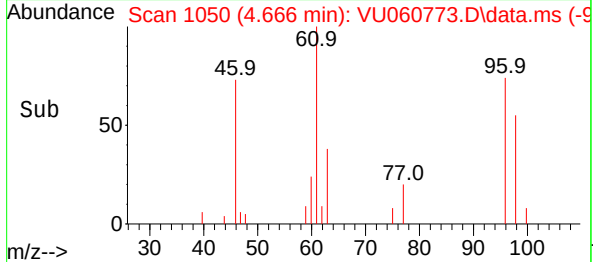
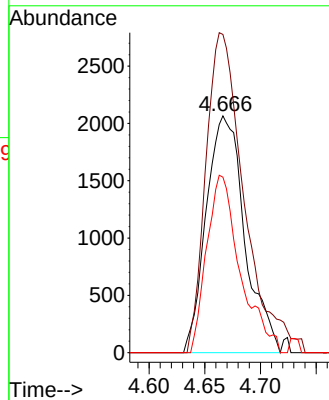
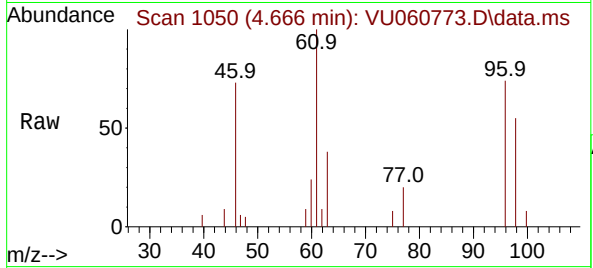
Tgt Ion: 96 Resp: 4971

Ion Ratio Lower Upper

96 100

61 134.4 89.7 166.5

98 74.1 45.1 83.9



#23

Bromochloromethane

Concen: 0.448 ug/L

RT: 4.978 min Scan# 1147

Delta R.T. 0.013 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Tgt Ion:128 Resp: 2597

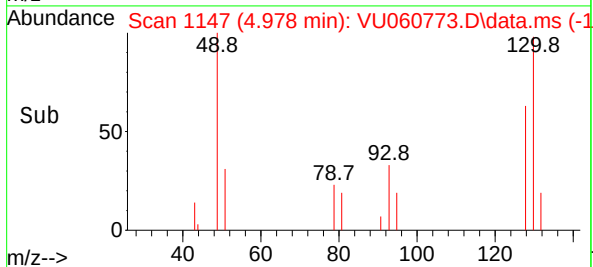
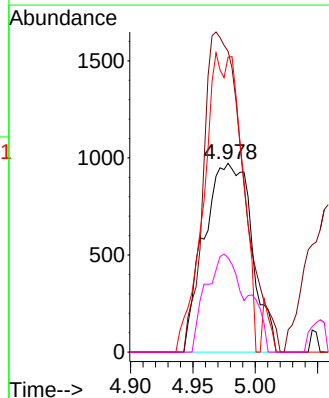
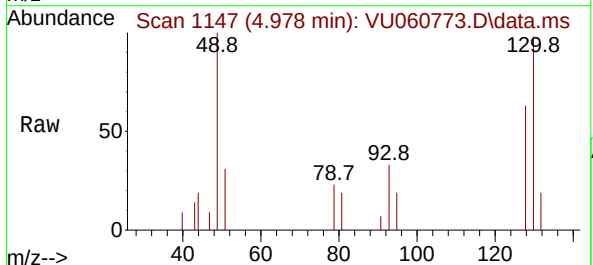
Ion Ratio Lower Upper

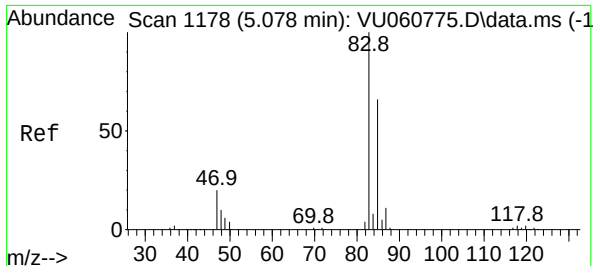
128 100

49 159.5 109.6 203.6

130 156.3 87.8 163.0

51 50.1 37.3 55.9





#25

Chloroform

Concen: 0.489 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.007 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

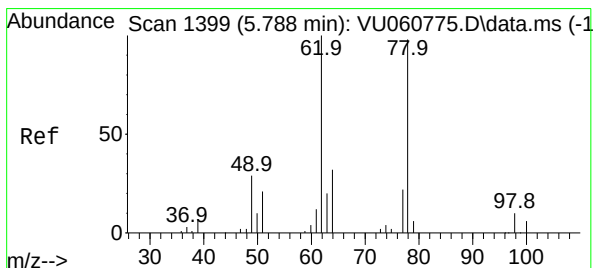
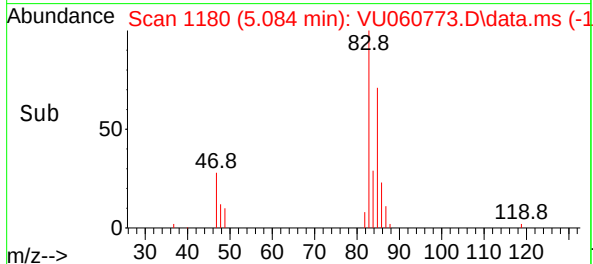
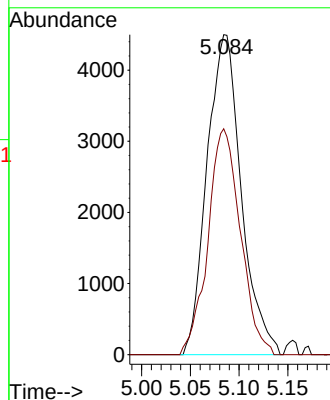
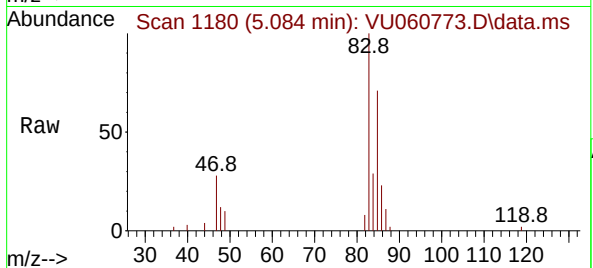
ClientSampleId :

Tgt Ion: 83 Resp: 11015

Ion Ratio Lower Upper

83 100

85 70.6 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.475 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.004 min

Lab File: VU060773.D

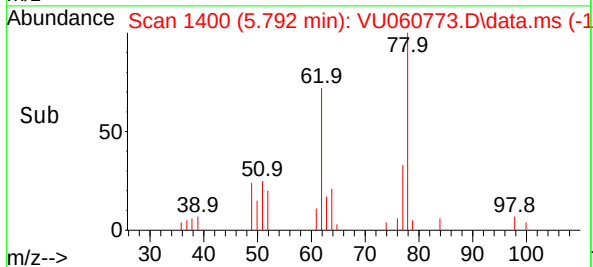
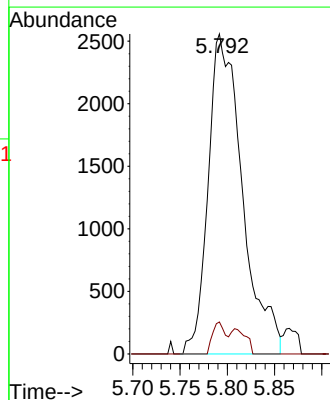
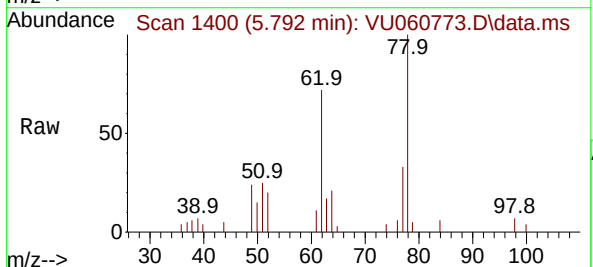
Acq: 16 Sep 2024 10:50

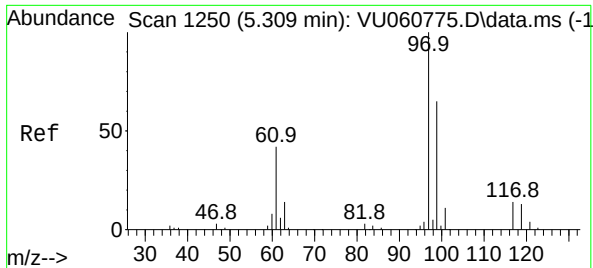
Tgt Ion: 62 Resp: 6420

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.4

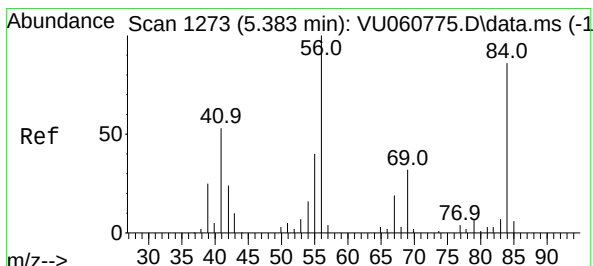
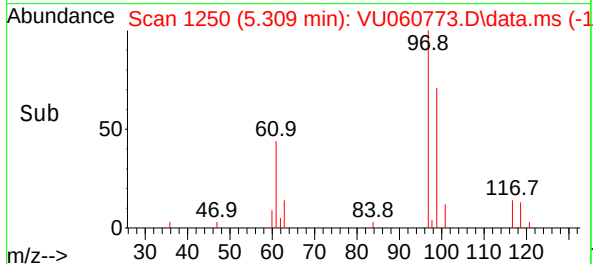
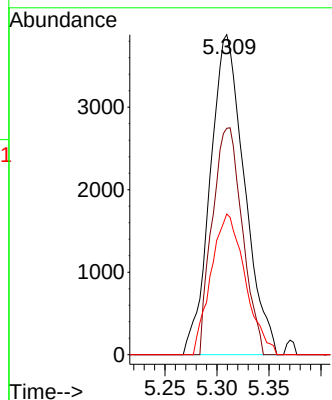
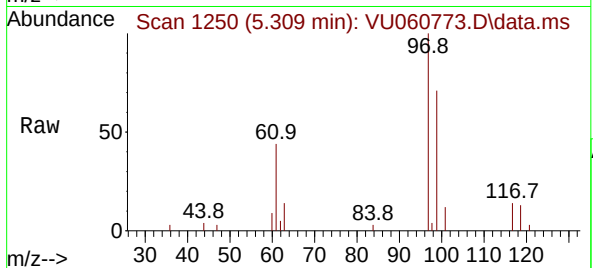




#29
1,1,1-Trichloroethane
Concen: 0.475 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

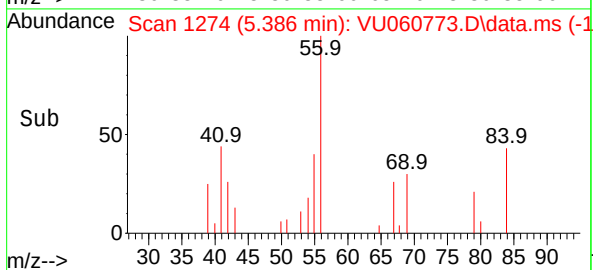
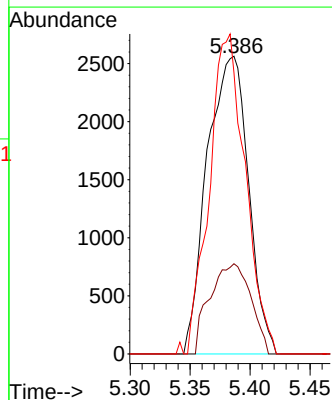
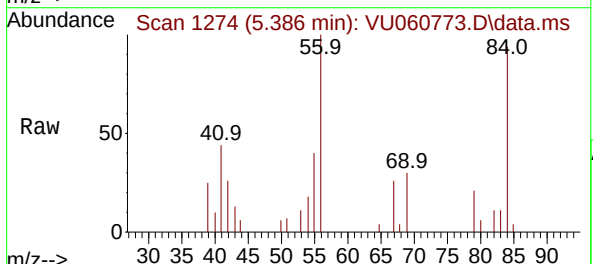
Instrument :
MSVOA_U
ClientSampleId :

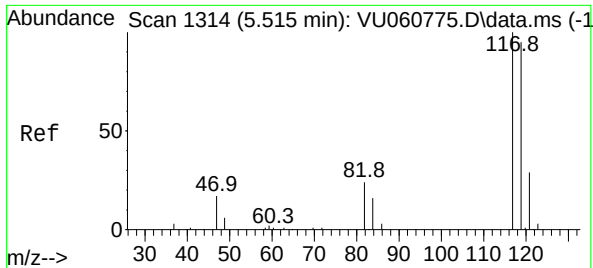
Tgt Ion: 97	Resp: 8871
Ion Ratio	Lower Upper
97 100	
99 62.1	50.5 75.7
61 43.9	34.4 51.6



#30
Cyclohexane
Concen: 0.379 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.004 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 56	Resp: 6132
Ion Ratio	Lower Upper
56 100	
69 30.1	25.4 38.0
84 93.9	71.0 106.6

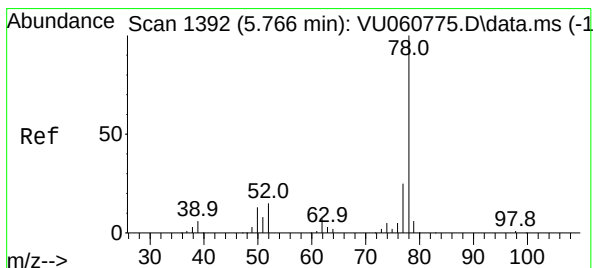
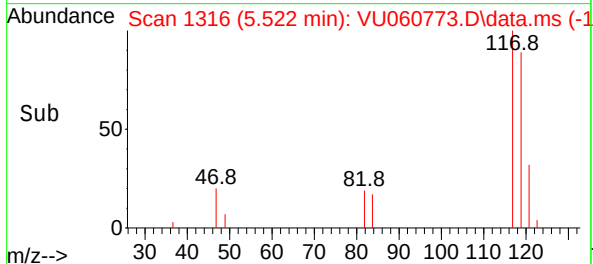
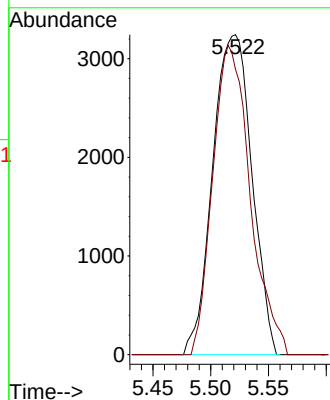
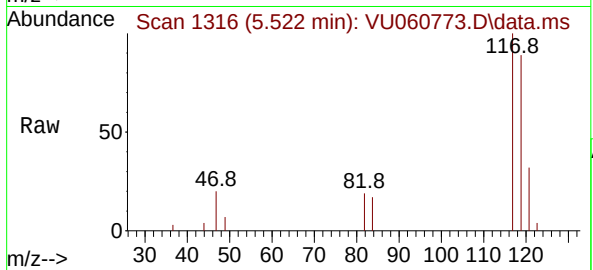




#31
Carbon tetrachloride
Concen: 0.483 ug/L
RT: 5.522 min Scan# 1314
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

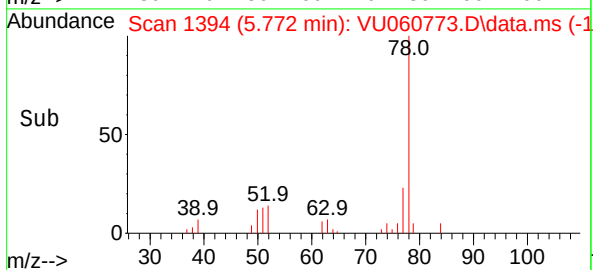
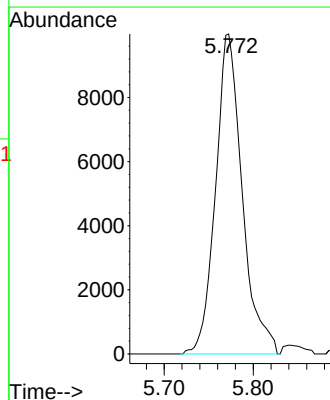
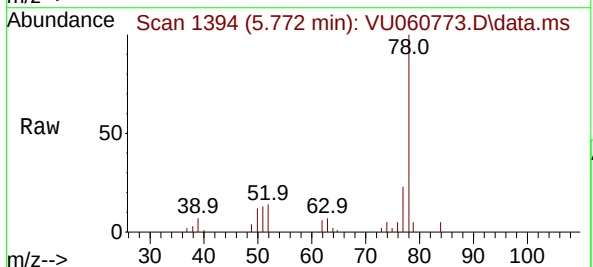
Instrument :
MSVOA_U
ClientSampleId :

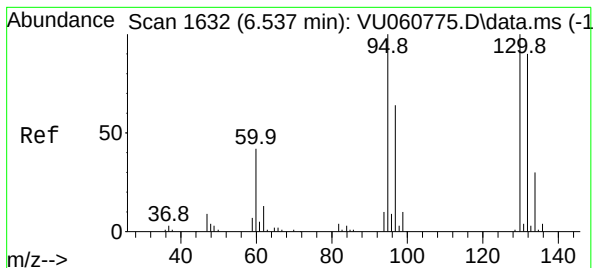
Tgt Ion:117 Resp: 7664
Ion Ratio Lower Upper
117 100
119 92.2 76.3 114.5



#33
Benzene
Concen: 0.425 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 78 Resp: 20739





#34

Trichloroethene

Concen: 0.421 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 5549

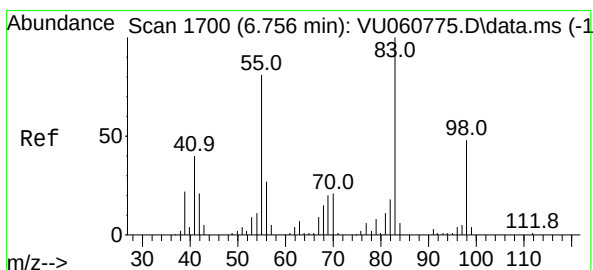
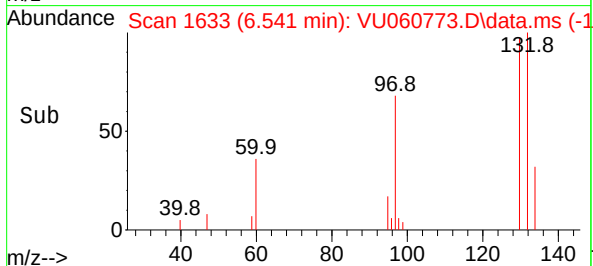
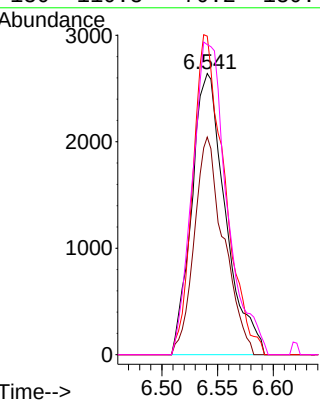
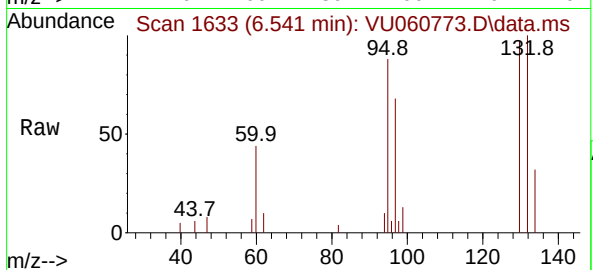
Ion Ratio Lower Upper

95 100

97 77.4 44.9 83.5

132 113.3 63.5 117.9

130 110.3 70.2 130.4



#35

Methylcyclohexane

Concen: 0.367 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

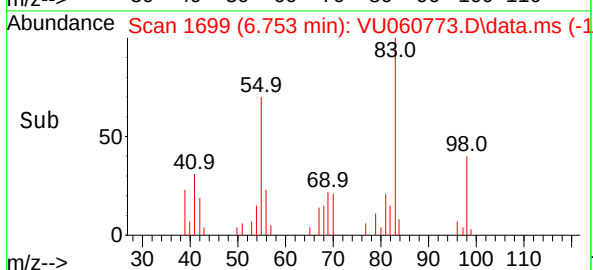
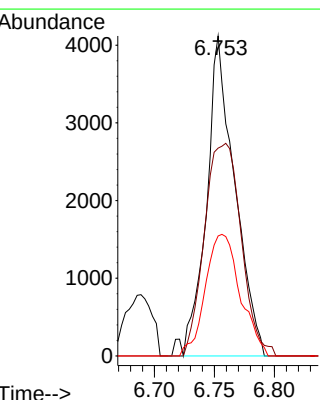
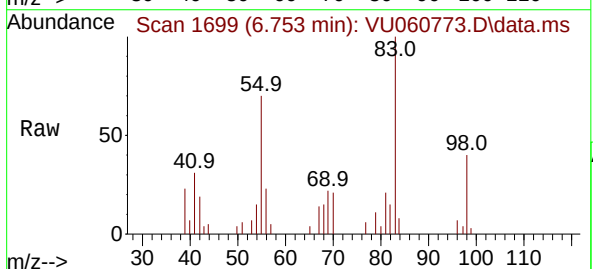
Tgt Ion: 83 Resp: 6805

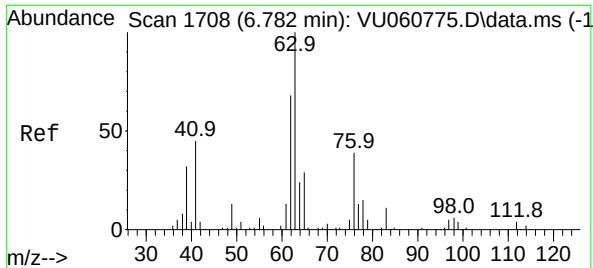
Ion Ratio Lower Upper

83 100

55 85.8 62.6 94.0

98 46.6 37.6 56.4

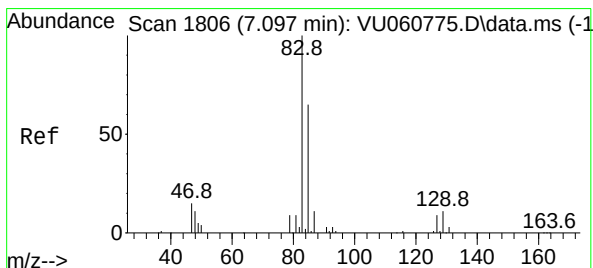
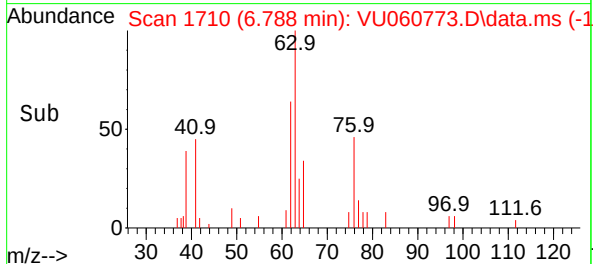
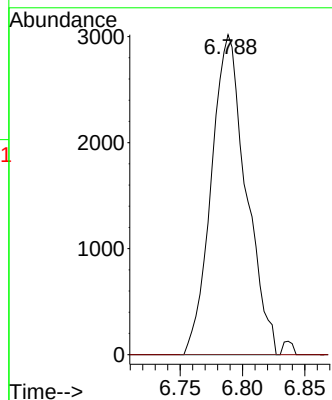
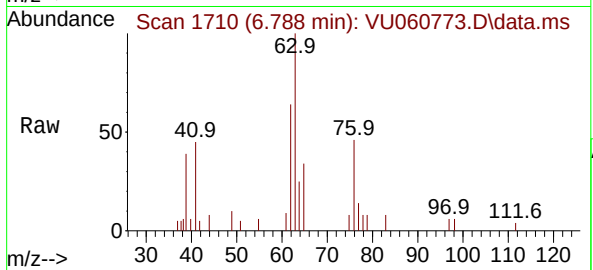




#37
1,2-Dichloropropane
Concen: 0.459 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

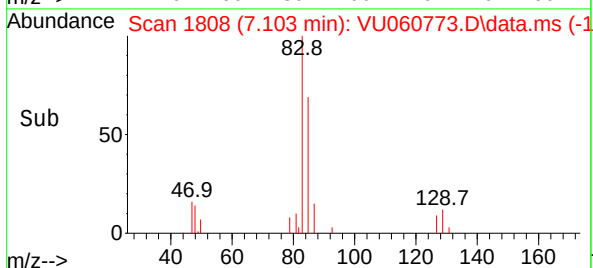
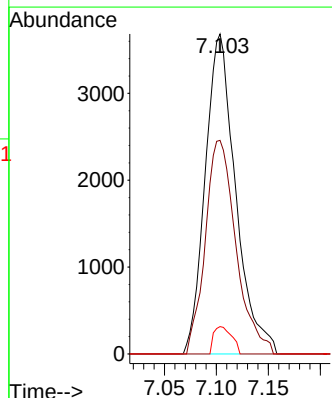
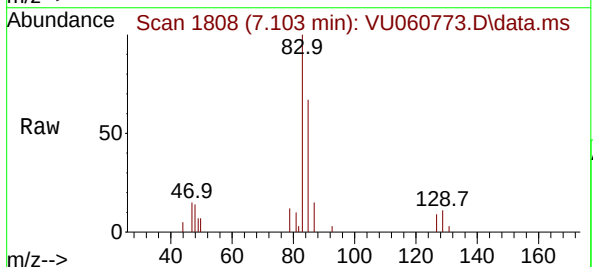
Instrument :
MSVOA_U
ClientSampleId :

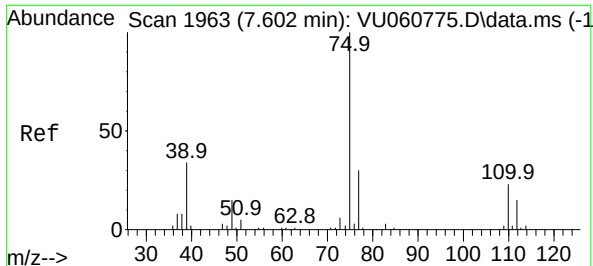
Tgt Ion: 63 Resp: 5847
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#38
Bromodichloromethane
Concen: 0.473 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 83 Resp: 7492
Ion Ratio Lower Upper
83 100
85 66.7 45.6 84.8
127 8.6 7.0 10.6

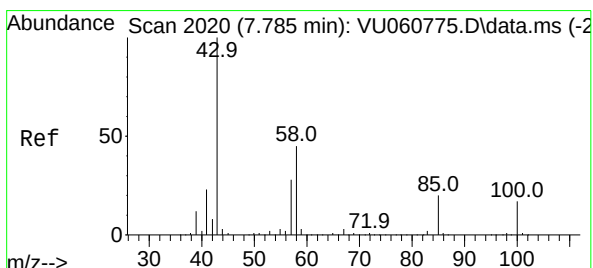
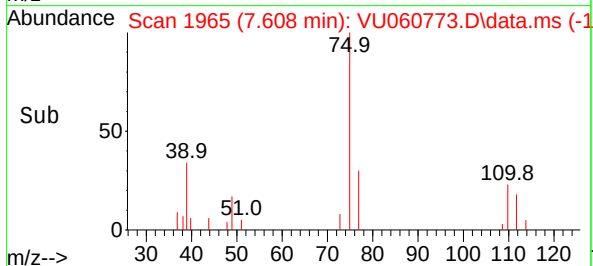
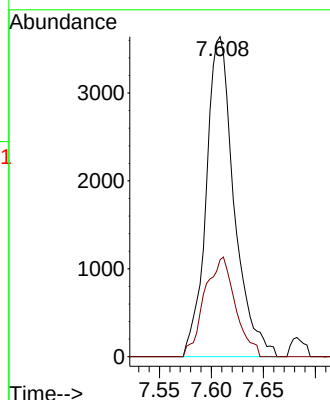
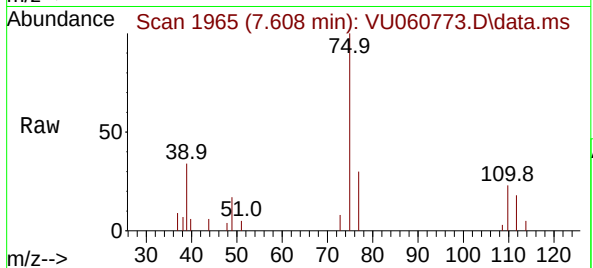




#39
cis-1,3-Dichloropropene
Concen: 0.393 ug/L
RT: 7.608 min Scan# 1963
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

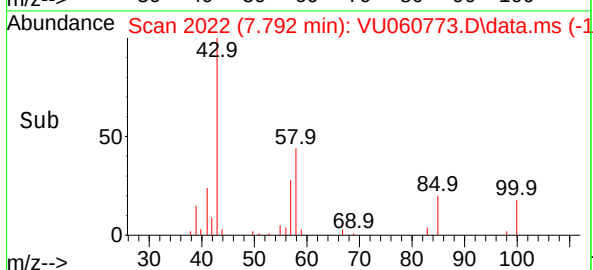
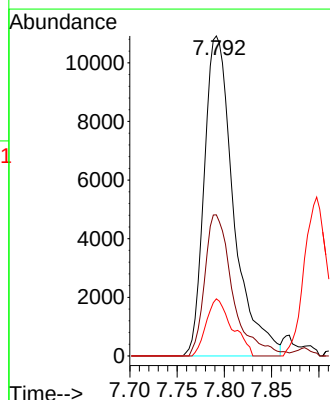
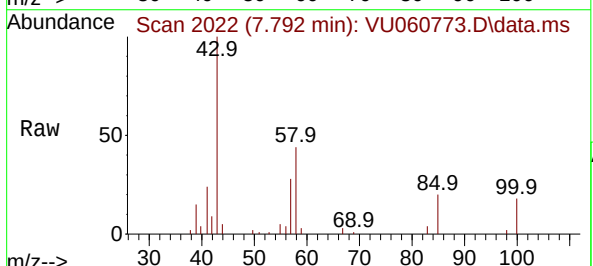
Instrument :
MSVOA_U
ClientSampleId :

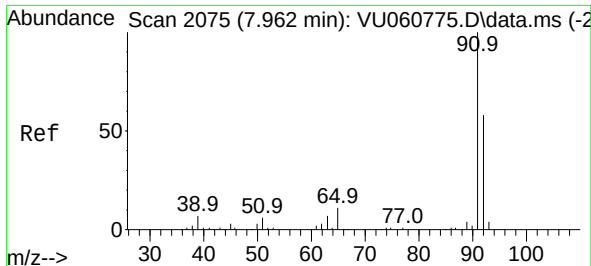
Tgt Ion: 75 Resp: 6806
Ion Ratio Lower Upper
75 100
77 30.2 21.3 39.5



#40
4-Methyl-2-pentanone
Concen: 3.975 ug/L
RT: 7.792 min Scan# 2022
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 43 Resp: 23577
Ion Ratio Lower Upper
43 100
58 42.2 34.9 52.3
100 15.7 13.4 20.0





#42

Toluene

Concen: 0.364 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

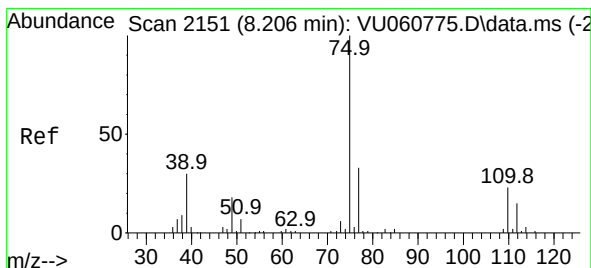
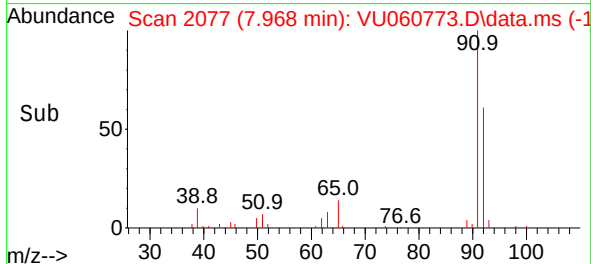
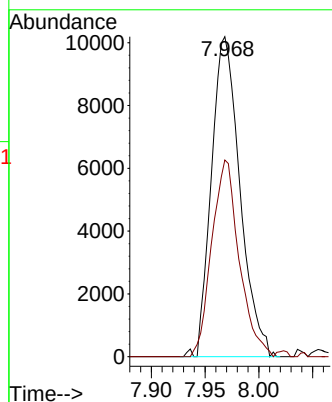
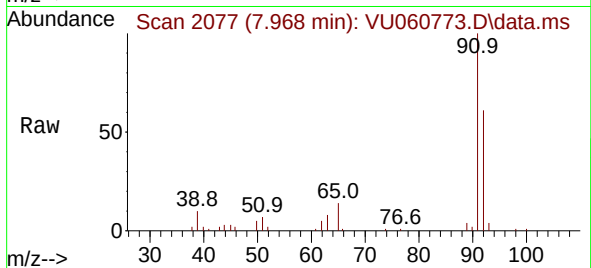
ClientSampleId :

Tgt Ion: 91 Resp: 18835

Ion Ratio Lower Upper

91 100

92 61.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.398 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU060773.D

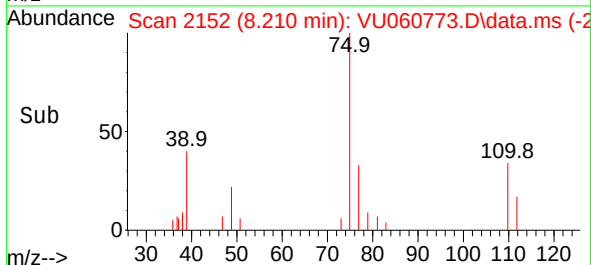
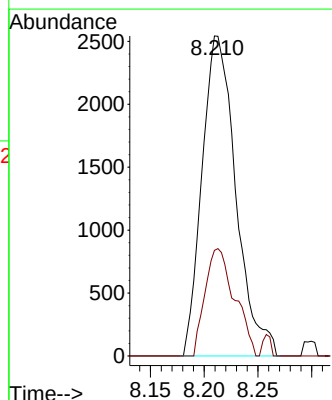
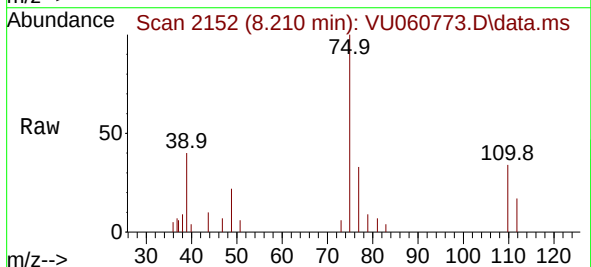
Acq: 16 Sep 2024 10:50

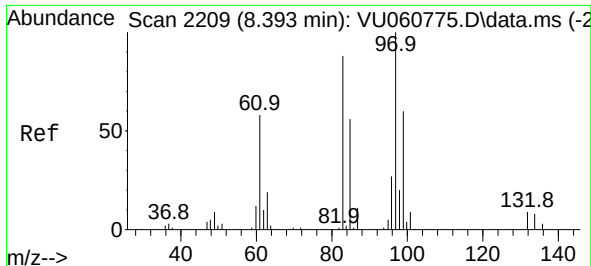
Tgt Ion: 75 Resp: 5564

Ion Ratio Lower Upper

75 100

77 33.0 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 0.469 ug/L

RT: 8.402 min Scan# 2212

Delta R.T. 0.010 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 4364

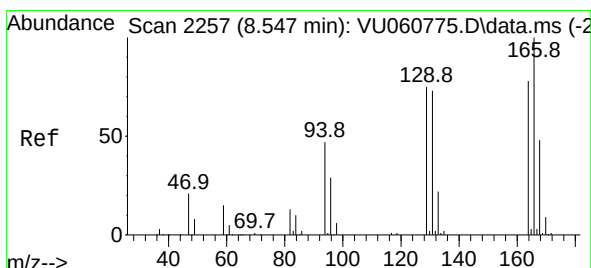
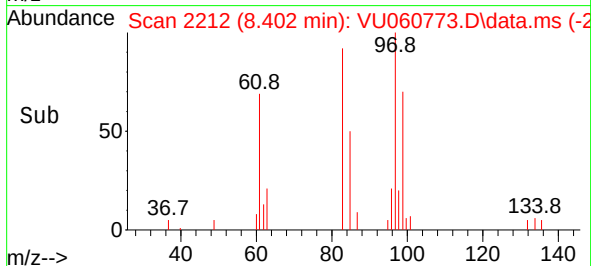
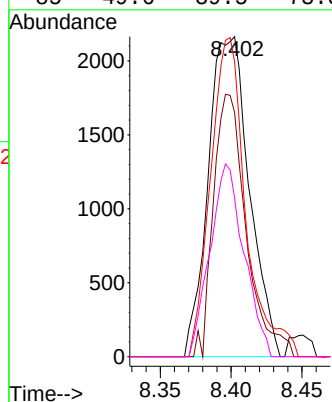
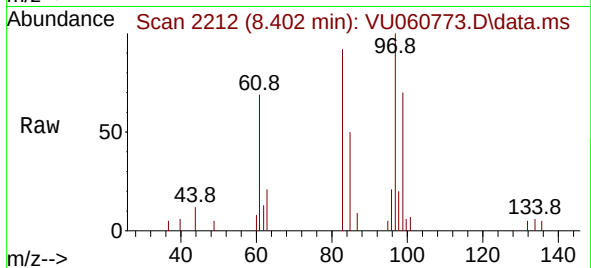
Ion Ratio Lower Upper

97 100

99 76.3 42.3 78.5

83 92.2 61.7 114.5

85 49.6 39.5 73.3



#47

Tetrachloroethene

Concen: 0.417 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Tgt Ion:164 Resp: 4258

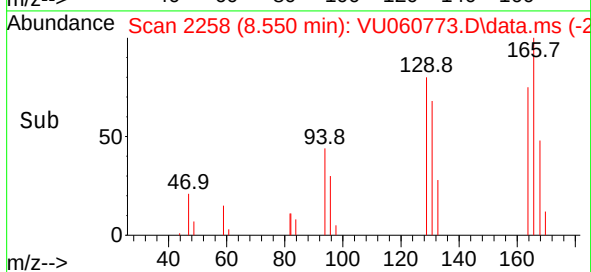
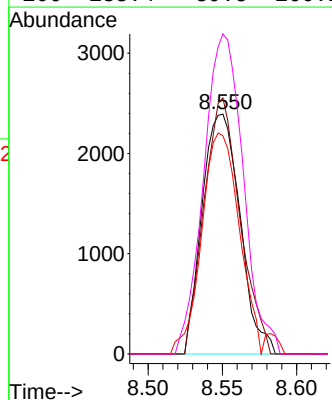
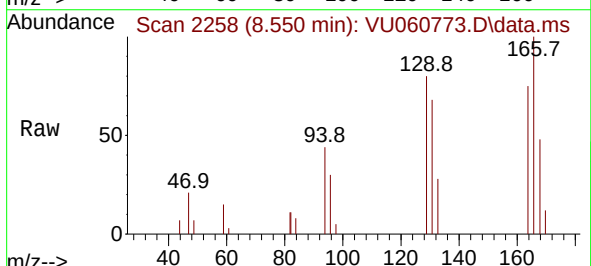
Ion Ratio Lower Upper

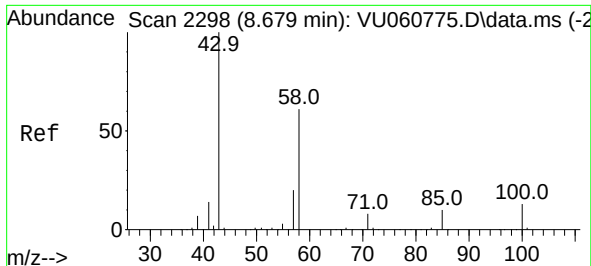
164 100

129 106.7 67.3 124.9

131 91.0 65.4 121.4

166 133.4 89.5 166.1





#48

2-Hexanone

Concen: 3.690 ug/L

RT: 8.689 min Scan# 2301

Delta R.T. 0.010 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 15672

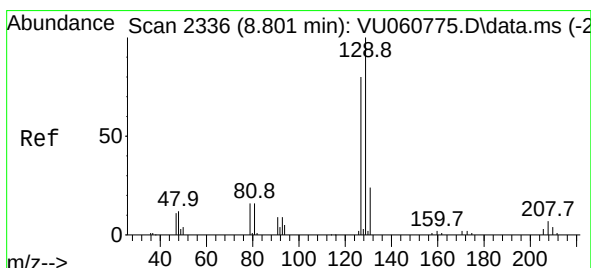
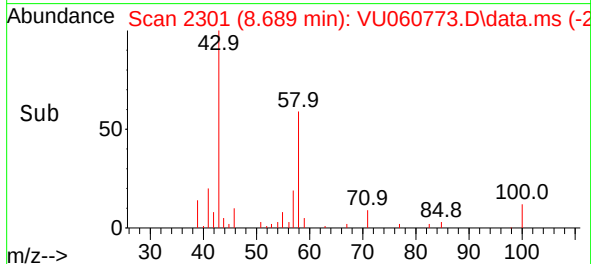
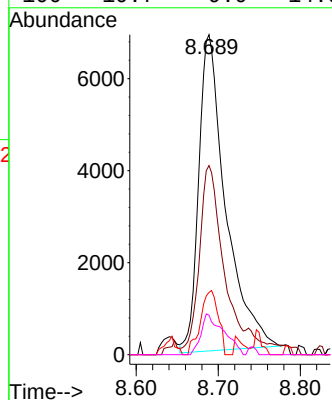
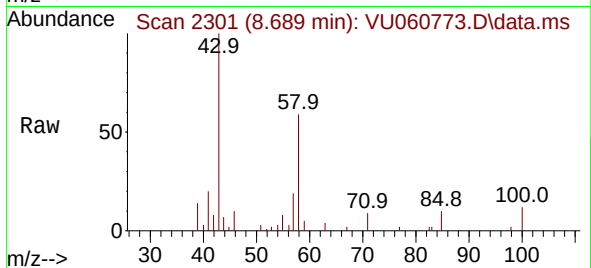
Ion Ratio Lower Upper

43 100

58 59.3 48.3 72.5

57 13.4 15.9 23.9#

100 10.7 9.9 14.9



#49

Dibromochloromethane

Concen: 0.472 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.004 min

Lab File: VU060773.D

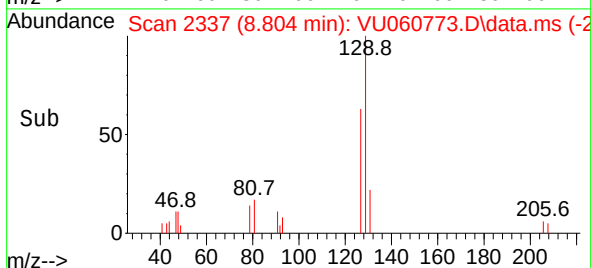
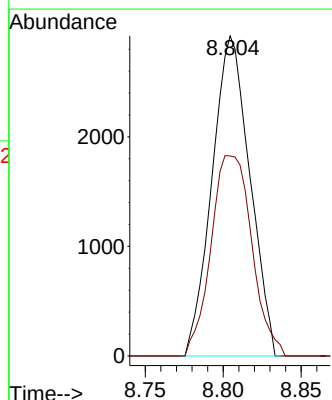
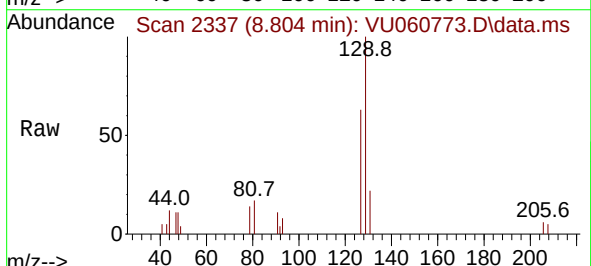
Acq: 16 Sep 2024 10:50

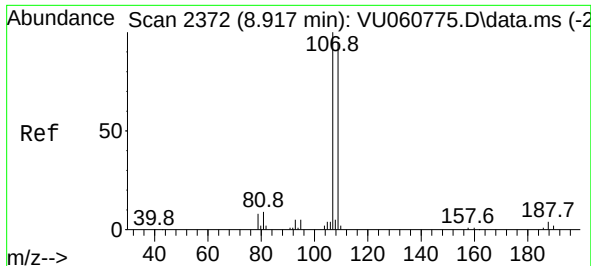
Tgt Ion:129 Resp: 4921

Ion Ratio Lower Upper

129 100

127 62.5 56.1 104.1

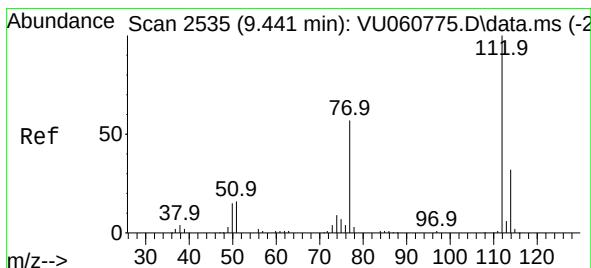
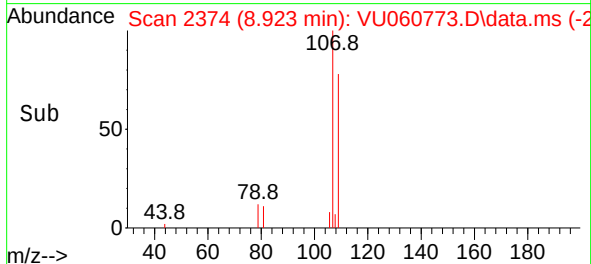
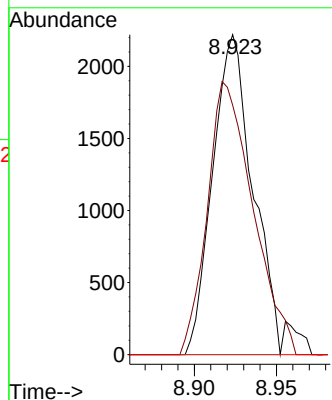
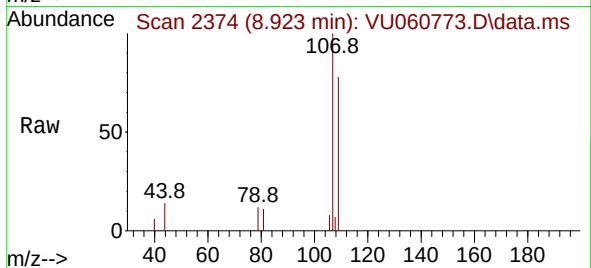




#50
1,2-Dibromoethane
Concen: 0.437 ug/L
RT: 8.923 min Scan# 2374
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

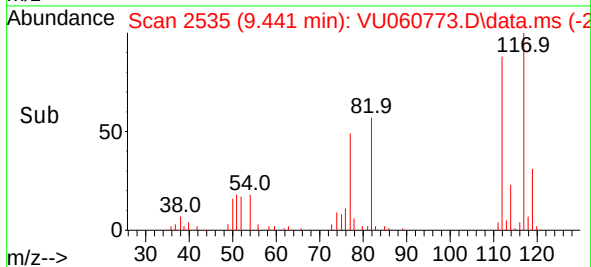
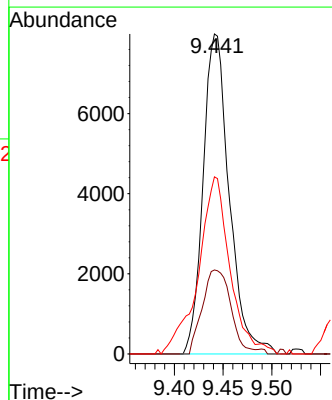
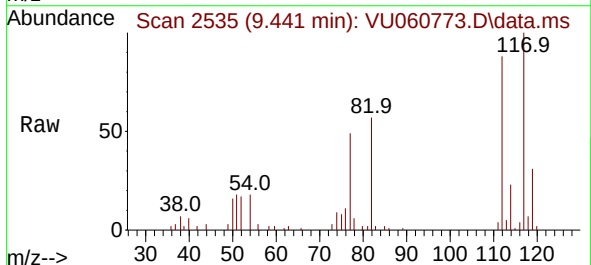
Instrument :
MSVOA_U
ClientSampleId :

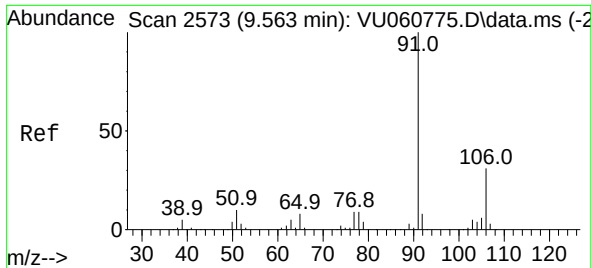
Tgt Ion:107 Resp: 3769
Ion Ratio Lower Upper
107 100
109 77.9 66.8 124.0
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 0.453 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion:112 Resp: 14893
Ion Ratio Lower Upper
112 100
114 26.2 22.2 41.2
77 55.4 46.1 69.1





#52

Ethylbenzene

Concen: 0.384 ug/L

RT: 9.570 min Scan# 2573

Delta R.T. 0.007 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

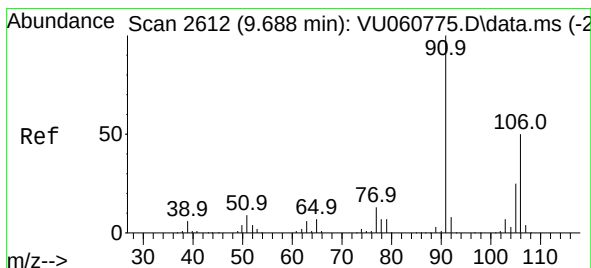
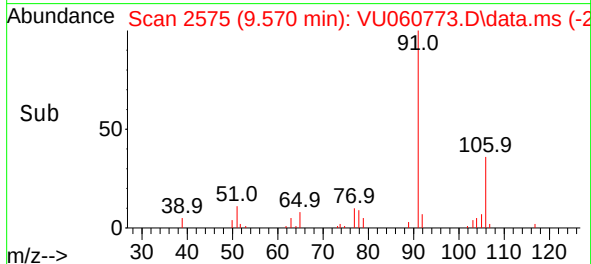
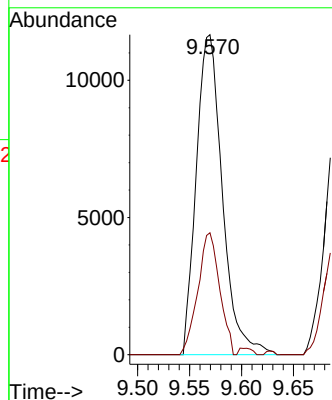
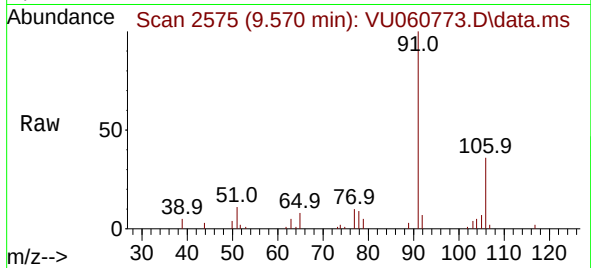
ClientSampleId :

Tgt Ion: 91 Resp: 20346

Ion Ratio Lower Upper

91 100

106 38.1 21.8 40.6



#53

m,p-Xylene

Concen: 0.341 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU060773.D

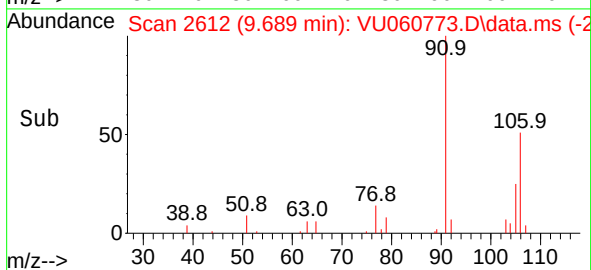
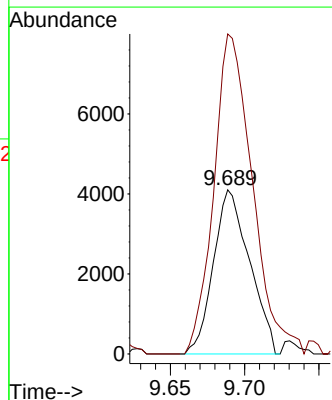
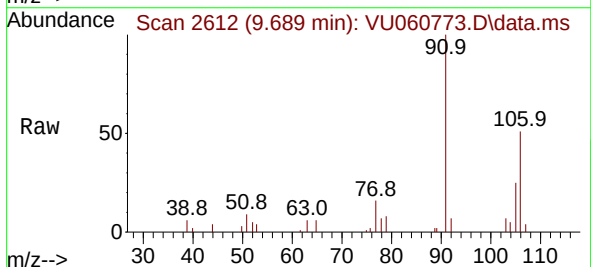
Acq: 16 Sep 2024 10:50

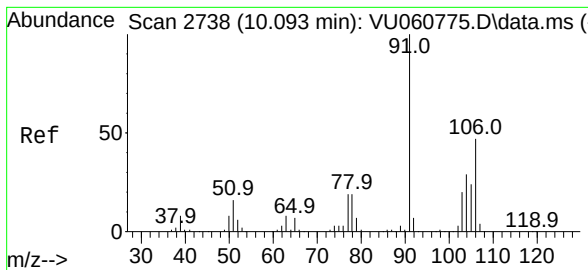
Tgt Ion:106 Resp: 6946

Ion Ratio Lower Upper

106 100

91 195.0 139.7 259.4

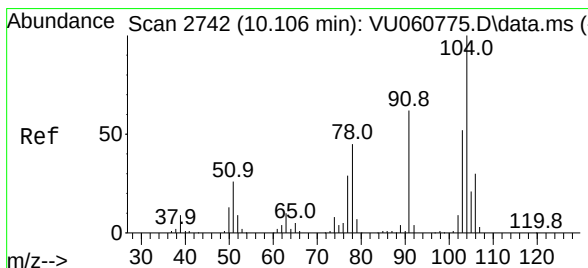
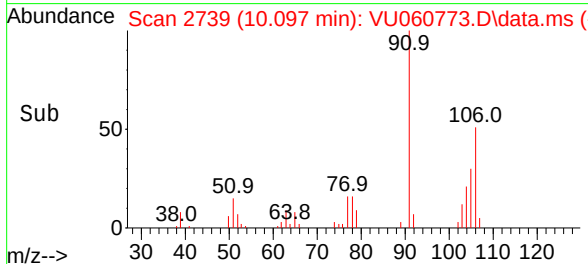
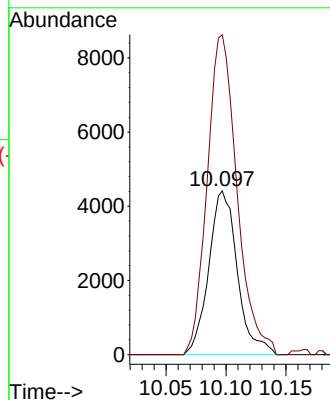
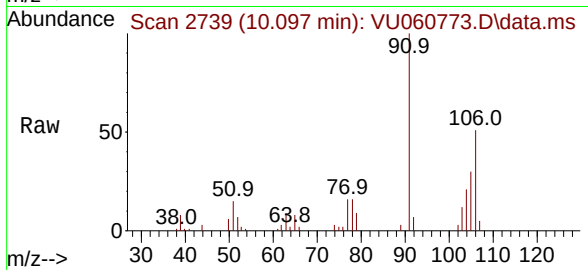




#54
o-Xylene
Concen: 0.377 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

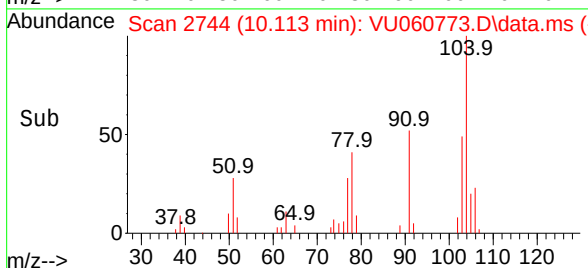
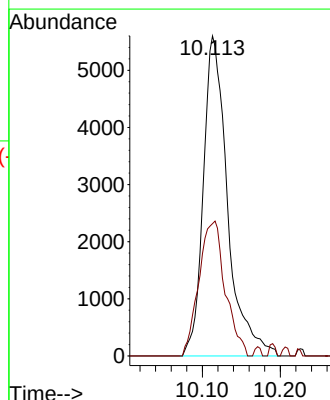
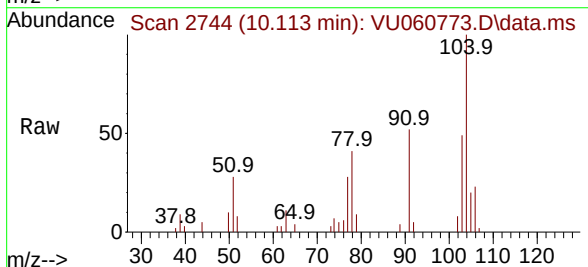
Instrument :
MSVOA_U
ClientSampleId :

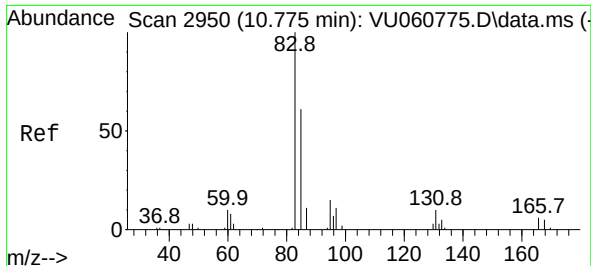
Tgt Ion:106 Resp: 7323
Ion Ratio Lower Upper
106 100
91 195.4 148.6 276.0



#55
Styrene
Concen: 0.370 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion:104 Resp: 12131
Ion Ratio Lower Upper
104 100
78 41.3 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.479 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.004 min

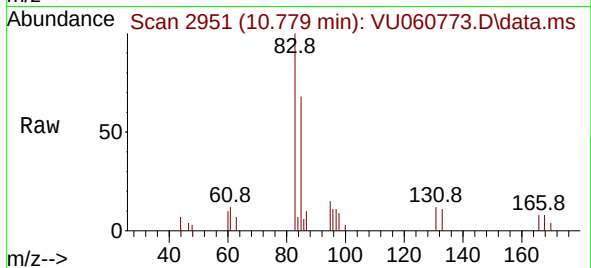
Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

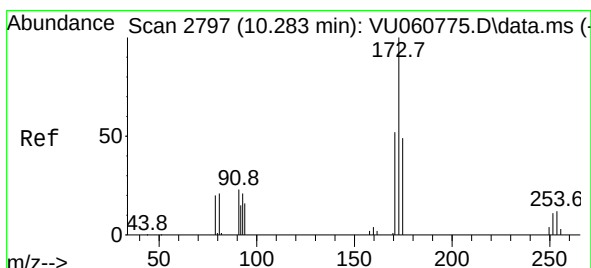
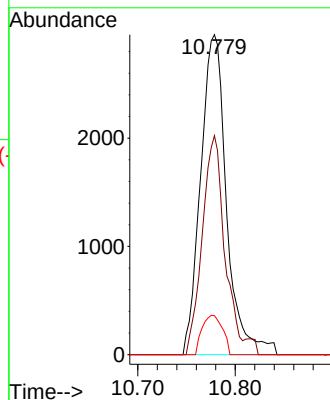
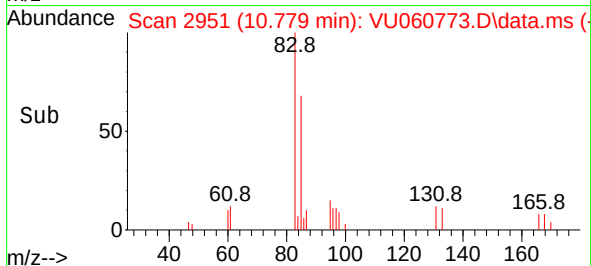
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	83	Resp:	5471
Ion	Ratio	Lower	Upper
83	100		
85	68.5	42.9	79.7
131	12.2	8.4	12.6



#59

Bromoform

Concen: 0.526 ug/L

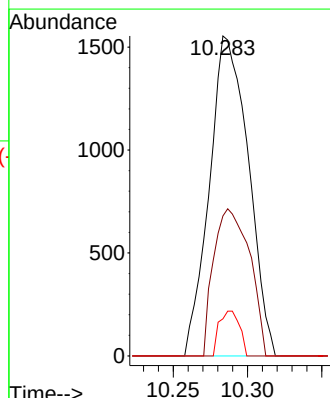
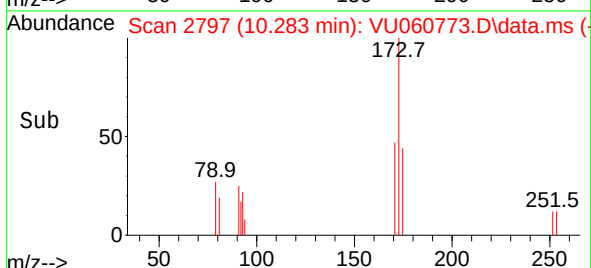
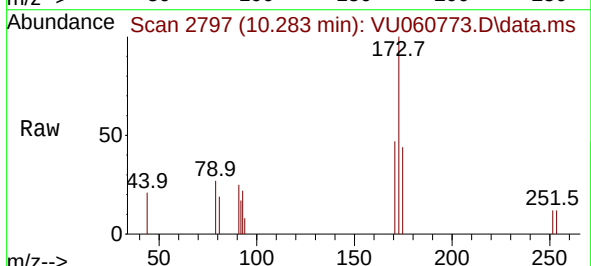
RT: 10.283 min Scan# 2797

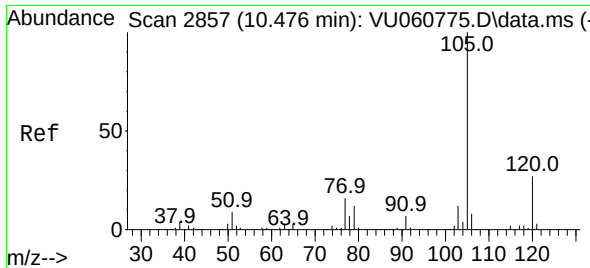
Delta R.T. 0.000 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Tgt Ion:	173	Resp:	2830
Ion	Ratio	Lower	Upper
173	100		
175	42.5	39.1	58.7
254	7.3	8.7	13.1

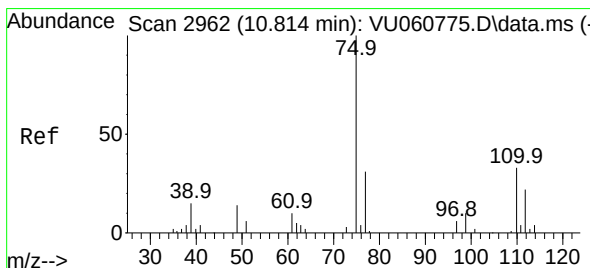
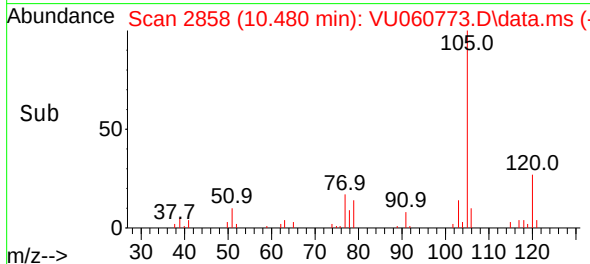
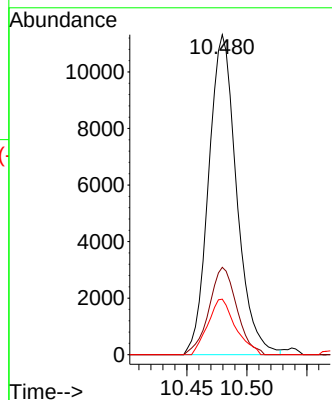
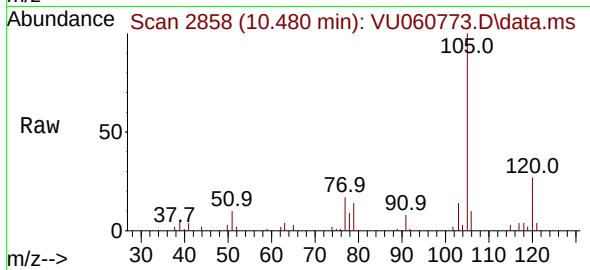




#60
Isopropylbenzene
Concen: 0.424 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

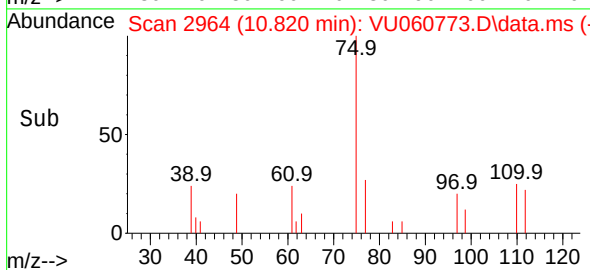
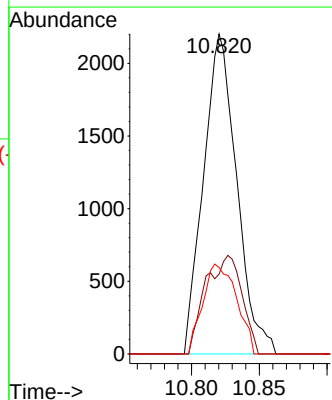
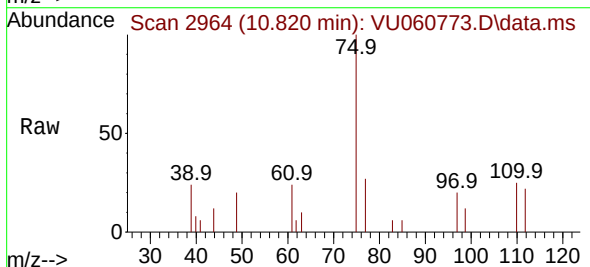
Instrument :
MSVOA_U
ClientSampleId :

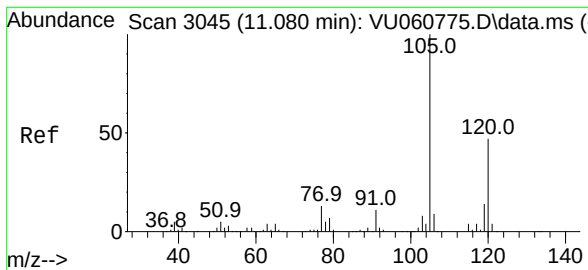
Tgt Ion:105 Resp: 18359
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 17.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.581 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.007 min
Lab File: VU060773.D
Acq: 16 Sep 2024 10:50

Tgt Ion: 75 Resp: 3750
Ion Ratio Lower Upper
75 100
110 33.8 28.6 43.0
77 28.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.405 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

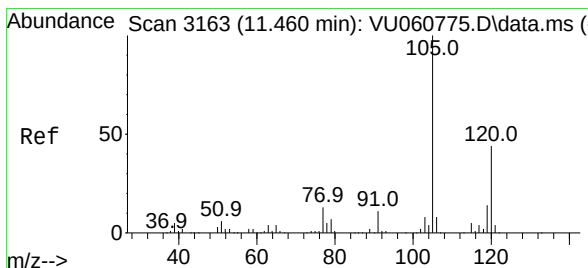
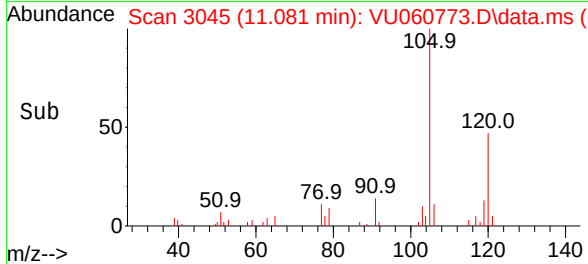
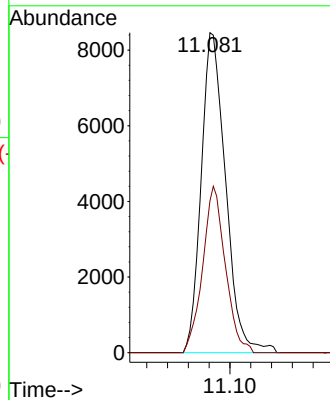
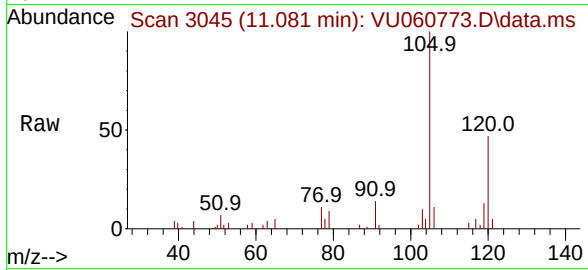
ClientSampleId :

Tgt Ion:105 Resp: 13792

Ion Ratio Lower Upper

105 100

120 48.3 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 0.397 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.004 min

Lab File: VU060773.D

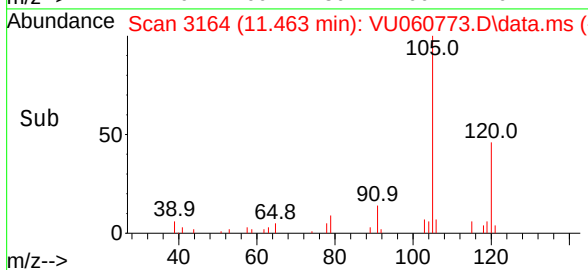
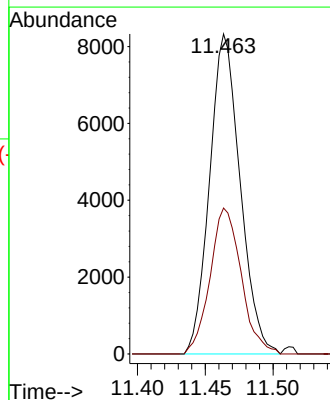
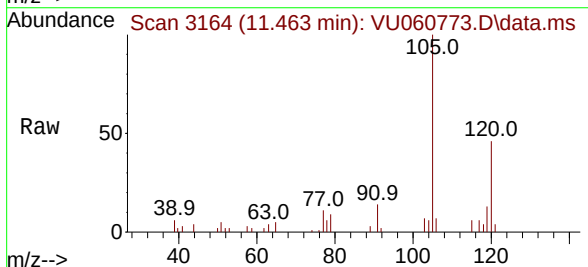
Acq: 16 Sep 2024 10:50

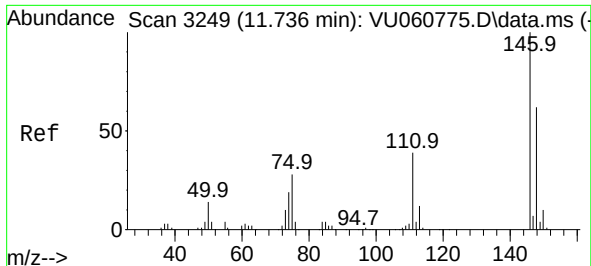
Tgt Ion:105 Resp: 13039

Ion Ratio Lower Upper

105 100

120 46.5 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 0.437 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.007 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

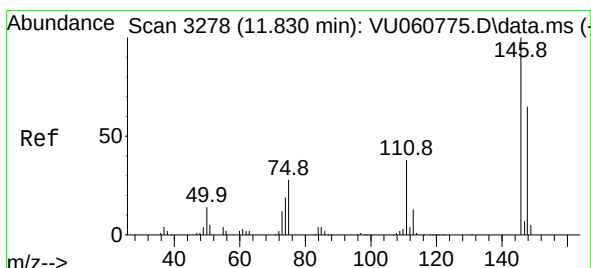
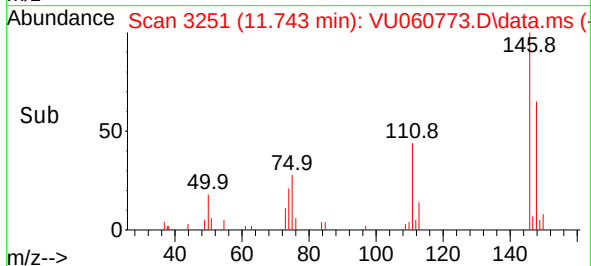
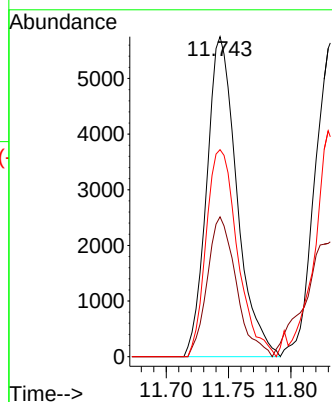
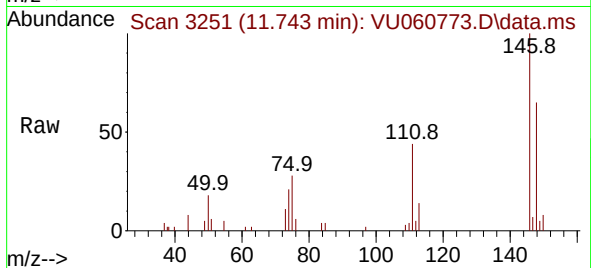
Tgt Ion:146 Resp: 9694

Ion Ratio Lower Upper

146 100

111 43.7 27.5 51.1

148 64.7 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 0.480 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.004 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

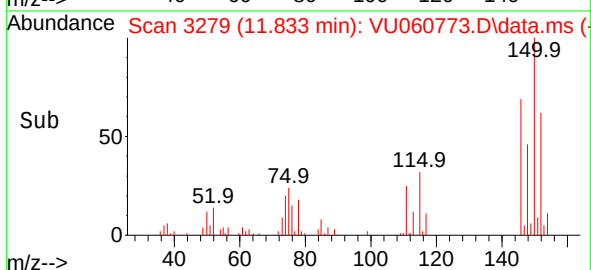
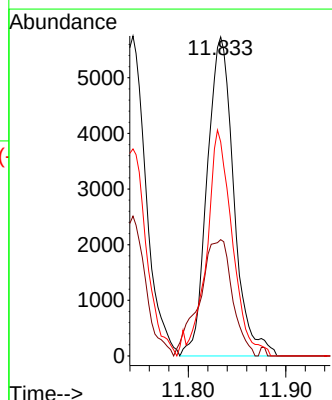
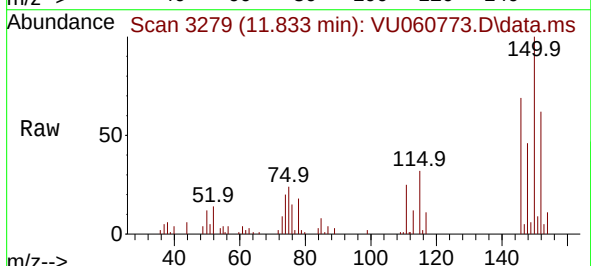
Tgt Ion:146 Resp: 10887

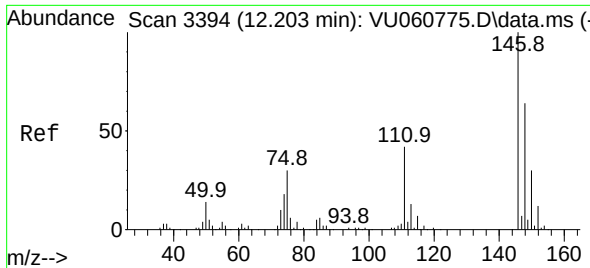
Ion Ratio Lower Upper

146 100

111 38.2 26.3 48.9

148 67.1 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.452 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.004 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

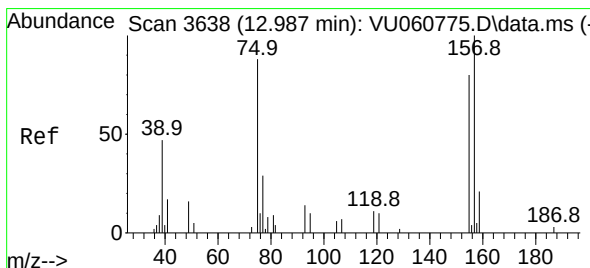
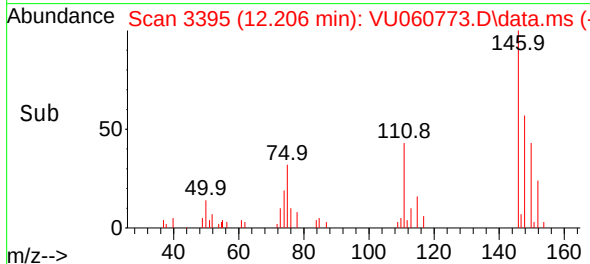
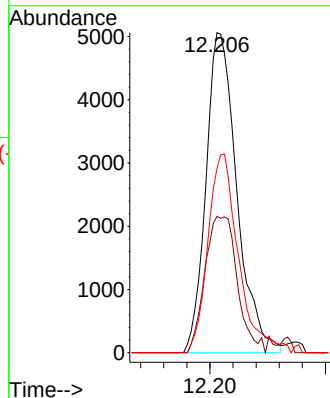
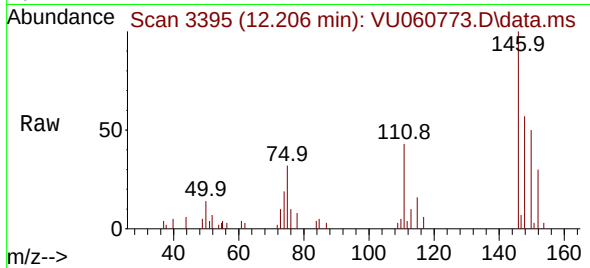
Tgt Ion:146 Resp: 9410

Ion Ratio Lower Upper

146 100

111 46.5 33.4 50.0

148 57.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.495 ug/L

RT: 13.007 min Scan# 3644

Delta R.T. 0.020 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

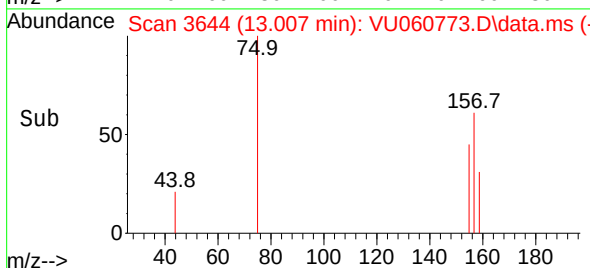
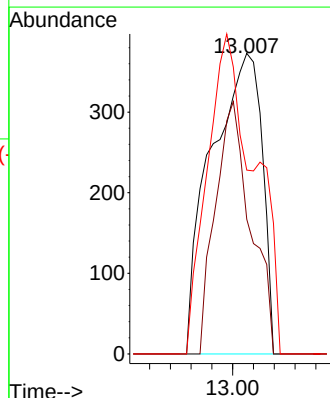
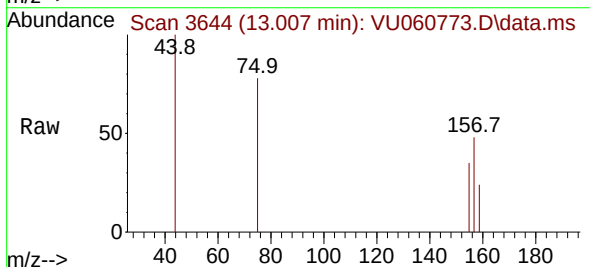
Tgt Ion: 75 Resp: 632

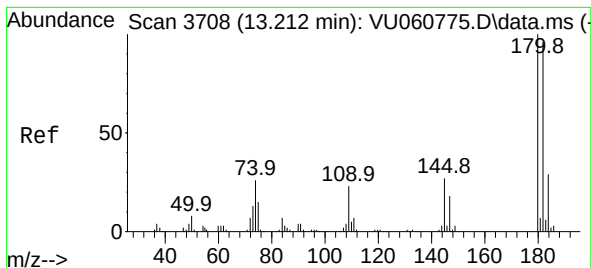
Ion Ratio Lower Upper

75 100

155 44.8 73.1 109.7#

157 61.1 91.0 136.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.463 ug/L

RT: 13.222 min Scan# 31

Delta R.T. 0.010 min

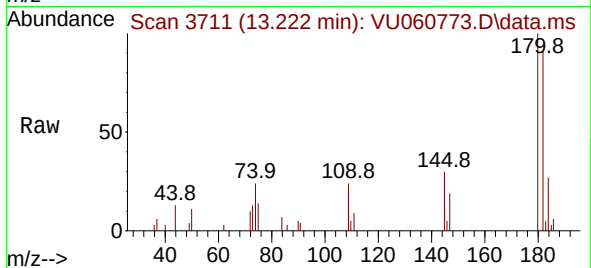
Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 7584

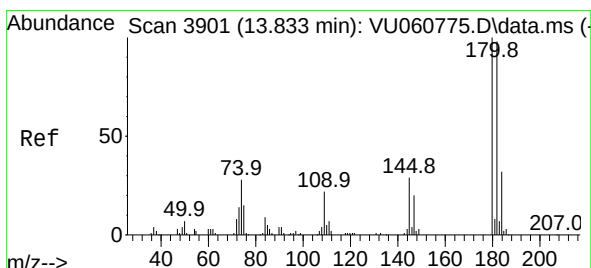
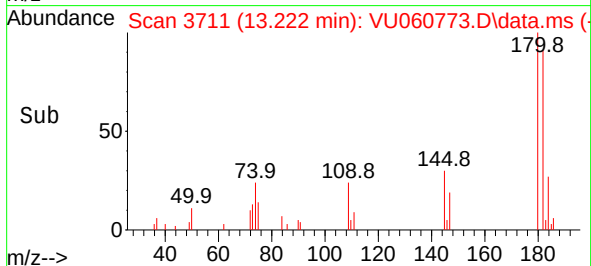
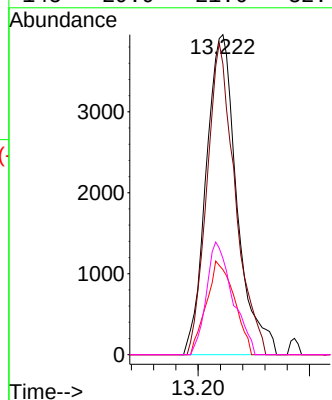
Ion Ratio Lower Upper

180 100

182 88.9 74.5 111.7

184 26.5 23.2 34.8

145 29.9 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 0.378 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

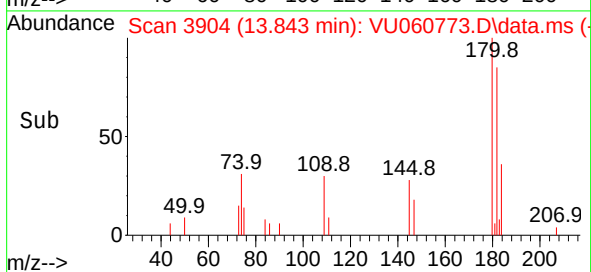
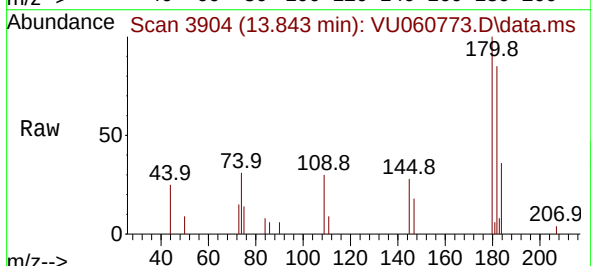
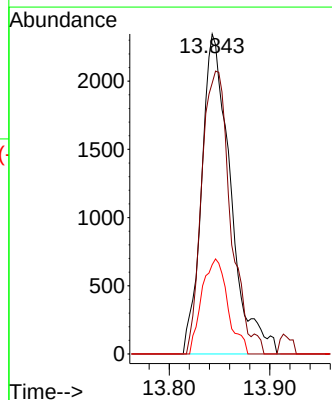
Tgt Ion:180 Resp: 4673

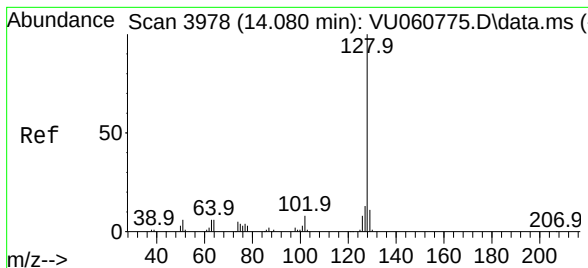
Ion Ratio Lower Upper

180 100

182 88.1 77.4 116.2

145 26.7 22.9 34.3





#71

Naphthalene

Concen: 0.269 ug/L

RT: 14.106 min Scan# 3986

Delta R.T. 0.026 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Instrument :

MSVOA_U

ClientSampleId :

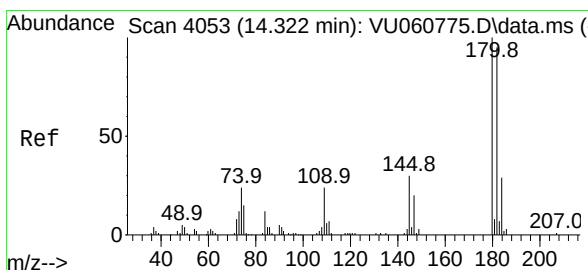
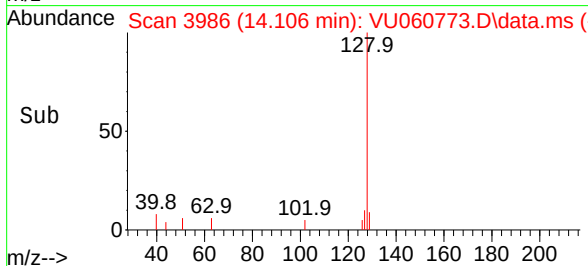
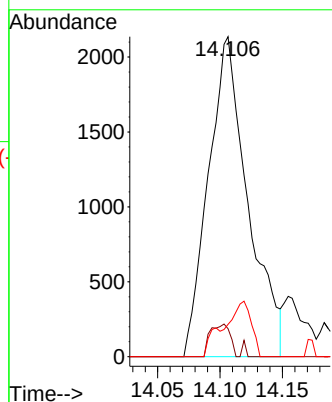
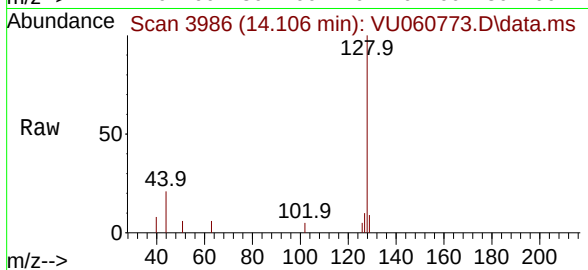
Tgt Ion:128 Resp: 4698

Ion Ratio Lower Upper

128 100

129 5.2 8.3 12.5#

127 2.7 10.7 16.1#



#72

1,2,3-Trichlorobenzene

Concen: 0.315 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.010 min

Lab File: VU060773.D

Acq: 16 Sep 2024 10:50

Tgt Ion:180 Resp: 3589

Ion Ratio Lower Upper

180 100

182 87.1 75.7 113.5

145 27.6 23.5 35.3

