

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061093.D
 Acq On : 10 Oct 2024 16:46
 Operator : MD/SY
 Sample : P4380-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 06:50:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	178177	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	162854	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81752	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	39728	3.119	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.400%
7) Chloroethane-d5	1.907	69	34510	3.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.400%
11) 1,1-Dichloroethene-d2	2.557	65	18351	3.266	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.650	46	91595	30.017	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	60.040%
24) Chloroform-d	5.052	84	86434	3.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
26) 1,2-Dichloroethane-d4	5.695	65	45472	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
32) Benzene-d6	5.718	84	167894	3.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.682	67	58514	4.149	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.891	98	153896	3.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	8.174	79	21638	3.589	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.800%
46) 2-Hexanone-d5	8.627	63	102951	41.251	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.500%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	42237	4.084	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	55980	4.282	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.473	85	2501	0.288	ug/L	91
5) Vinyl chloride	1.727	62	4633	0.368	ug/L	83
8) Chloroethane	1.981	64	14136	1.851	ug/L #	55
13) Acetone	2.676	43	141907	72.311	ug/L	100
14) Carbon disulfide	2.782	76	15757	0.451	ug/L #	95
15) Methyl Acetate	2.959	43	5092	1.066	ug/L	94
21) 2-Butanone	4.740	43	28245	8.743	ug/L	100
27) 1,2-Dichloroethane	5.766	62	2430	0.168	ug/L #	72
30) Cyclohexane	5.380	56	2004	0.095	ug/L	84
33) Benzene	5.763	78	267775	5.578	ug/L	100
35) Methylcyclohexane	6.750	83	1965	0.093	ug/L #	79
37) 1,2-Dichloropropane	6.682	63	6169	0.488	ug/L #	95
42) Toluene	7.962	91	202086	3.951	ug/L	99
45) 1,1,2-Trichloroethane	8.271	97	1228	0.146	ug/L #	15
49) Dibromochloromethane	8.547	129	2280	0.234	ug/L #	9
52) Ethylbenzene	9.566	91	17741	0.306	ug/L	98
53) m,p-Xylene	9.685	106	48601	2.299	ug/L	91
54) o-Xylene	10.094	106	29047	1.396	ug/L	94
60) Isopropylbenzene	10.991	105	17258	0.316	ug/L	96

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QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

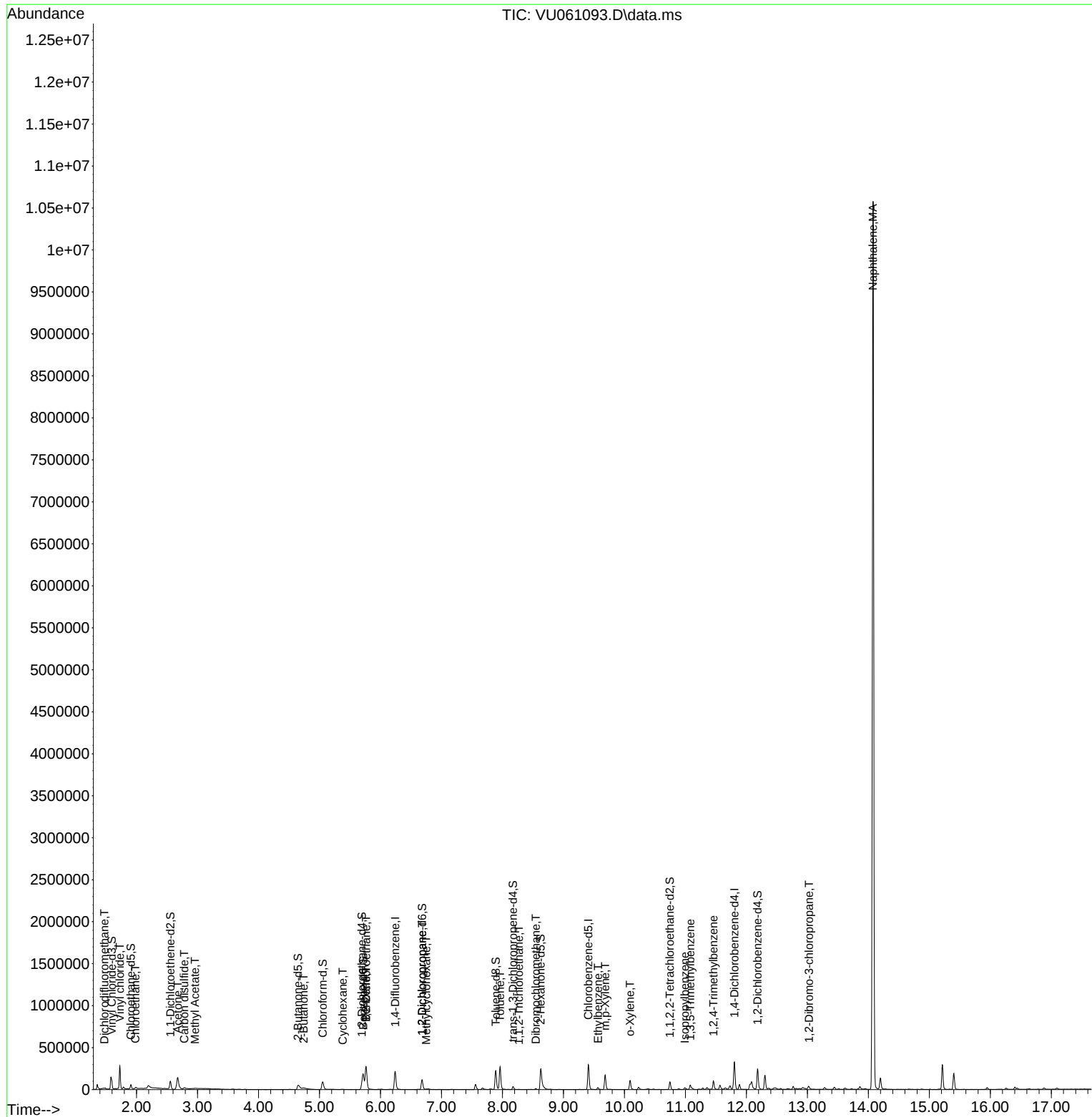
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.081	105	29055	0.603	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	54892	1.129	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.029	75	667	0.381	ug/L #	1
71) Naphthalene	14.077	128	7822288	378.660	ug/L	99

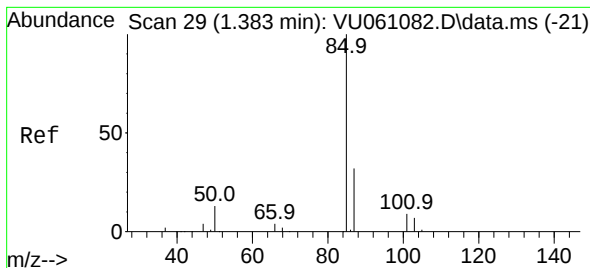
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.288 ug/L

RT: 1.473 min Scan# 51

Delta R.T. 0.090 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

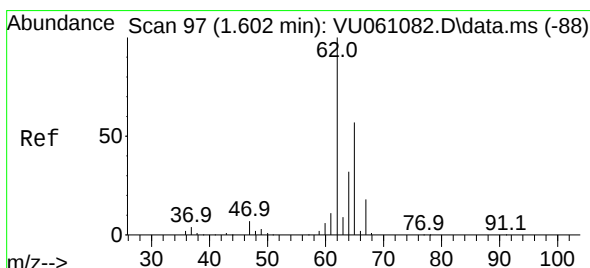
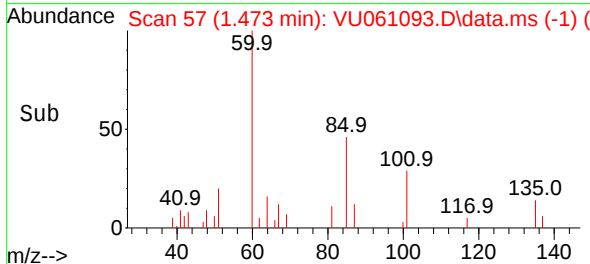
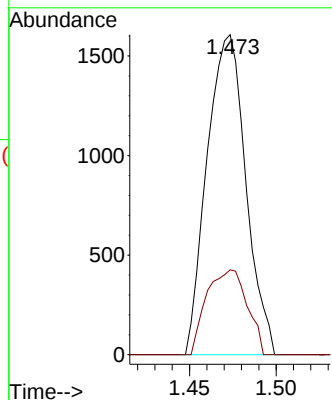
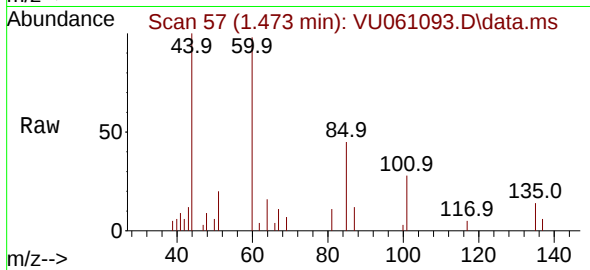
ClientSampleId :

Tgt Ion: 85 Resp: 2501

Ion Ratio Lower Upper

85 100

87 27.7 26.2 39.2



#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.727 min Scan# 136

Delta R.T. 0.126 min

Lab File: VU061093.D

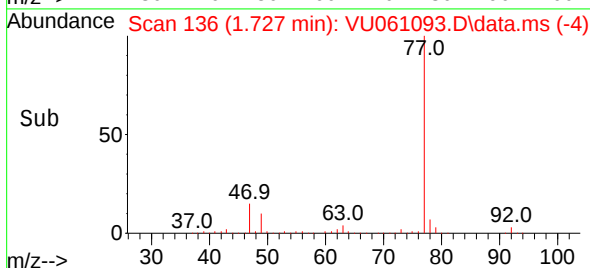
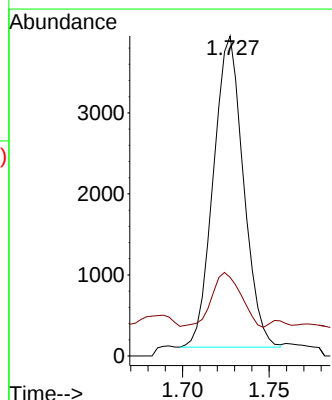
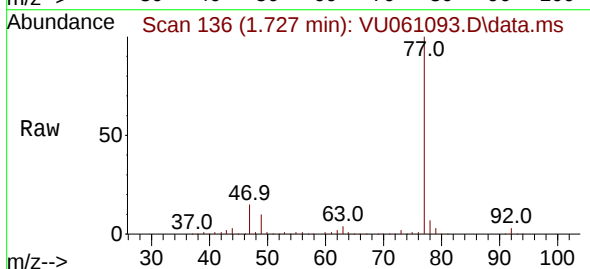
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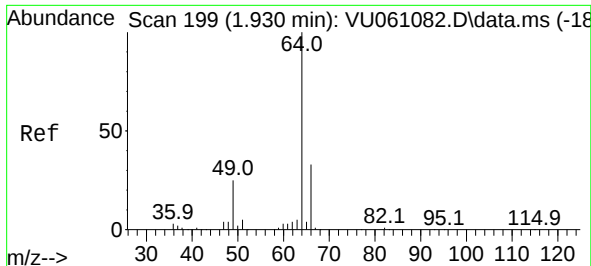
Tgt Ion: 62 Resp: 4633

Ion Ratio Lower Upper

62 100

64 24.5 24.0 44.6

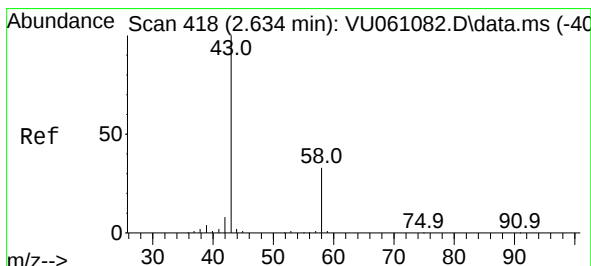
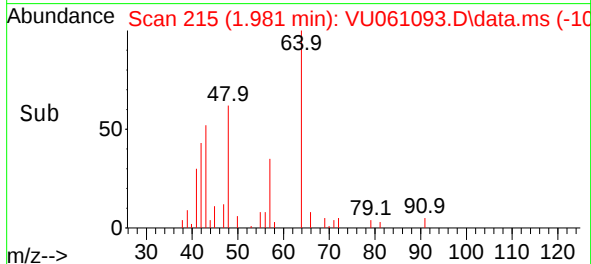
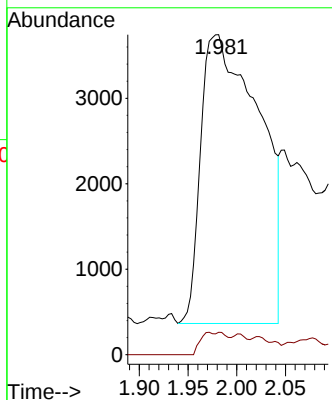
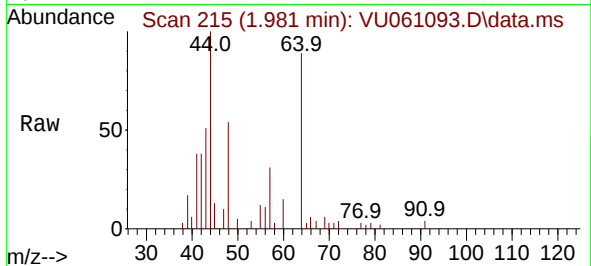




#8
Chloroethane
Concen: 1.851 ug/L
RT: 1.981 min Scan# 215
Delta R.T. 0.052 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

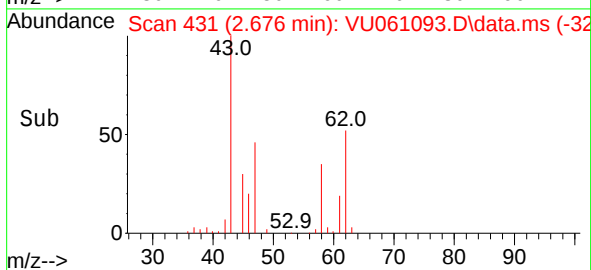
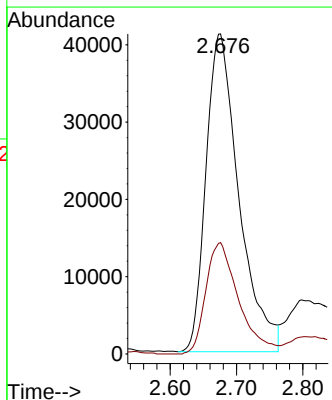
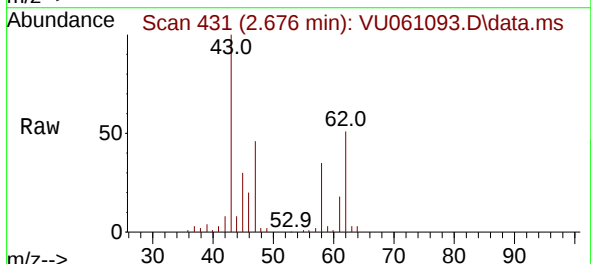
Instrument :
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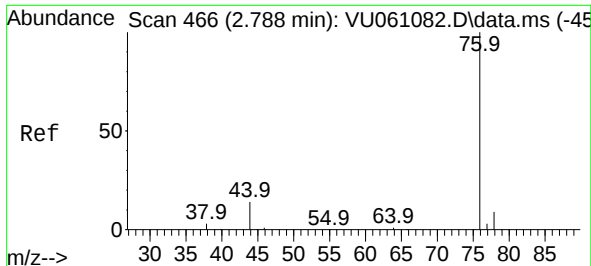
Tgt Ion: 64 Resp: 14136
Ion Ratio Lower Upper
64 100
66 7.0 22.3 41.3#



#13
Acetone
Concen: 72.311 ug/L
RT: 2.676 min Scan# 431
Delta R.T. 0.042 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Tgt Ion: 43 Resp: 141907
Ion Ratio Lower Upper
43 100
58 34.9 0.0 69.6

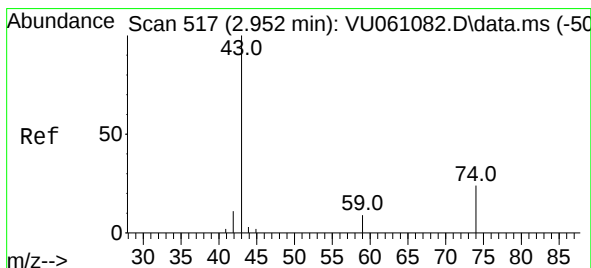
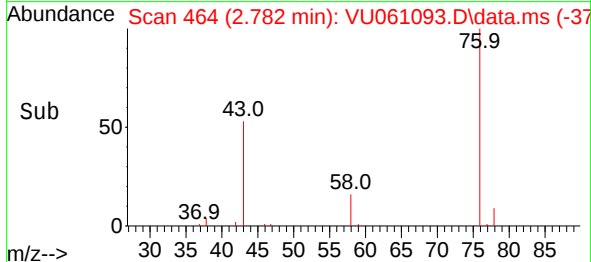
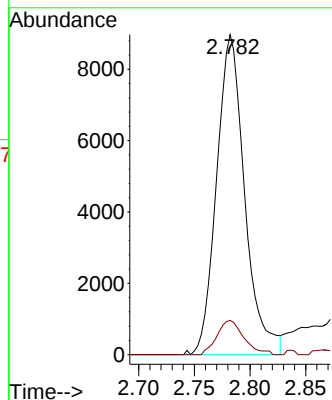
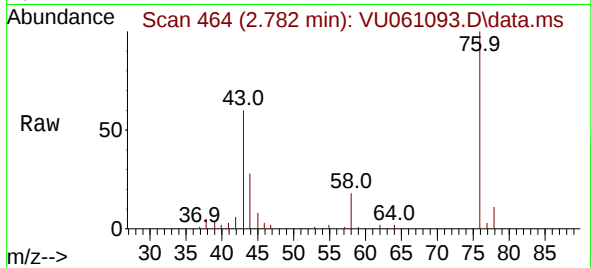




#14
Carbon disulfide
Concen: 0.451 ug/L
RT: 2.782 min Scan# 41
Delta R.T. -0.006 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

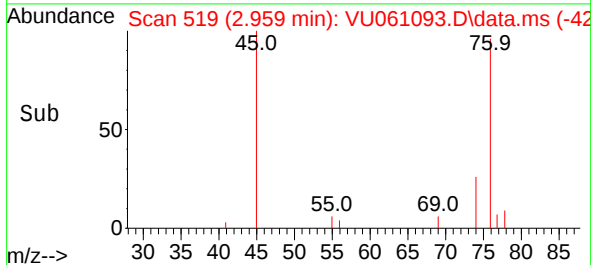
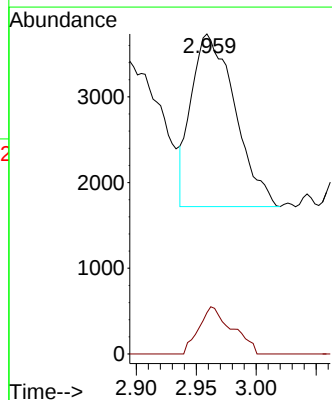
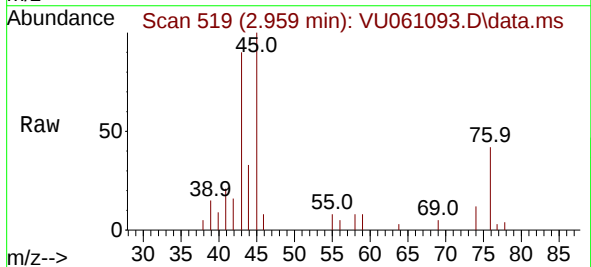
Instrument :
MSVOA_U
ClientSampleId :

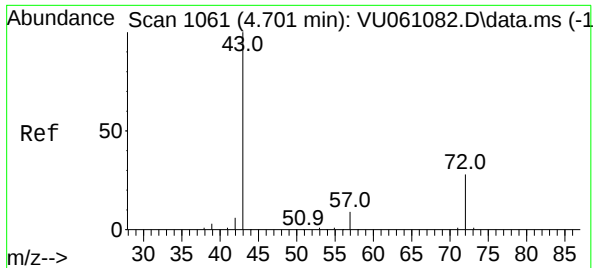
Tgt Ion: 76 Resp: 15757
Ion Ratio Lower Upper
76 100
78 10.7 7.1 10.7#



#15
Methyl Acetate
Concen: 1.066 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.007 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Tgt Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
74 20.9 18.9 28.3

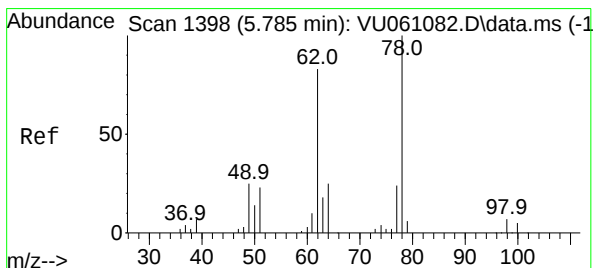
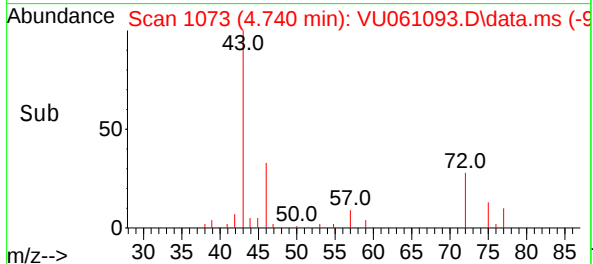
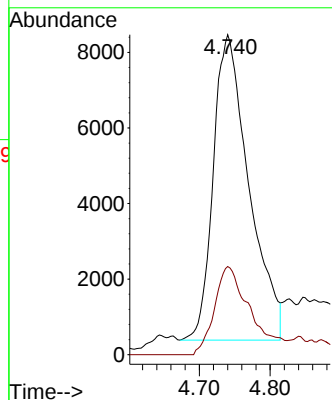
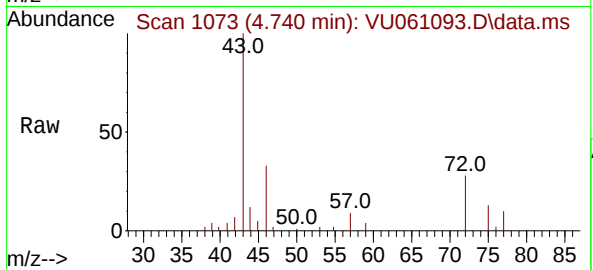




#21
2-Butanone
Concen: 8.743 ug/L
RT: 4.740 min Scan# 1061
Delta R.T. 0.039 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

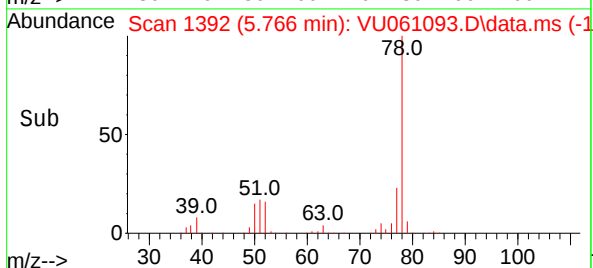
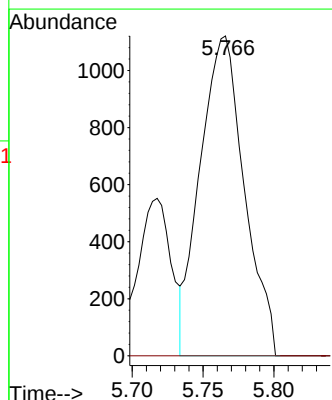
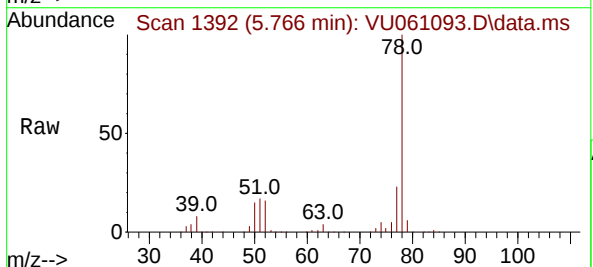
Instrument :
MSVOA_U
ClientSampleId :

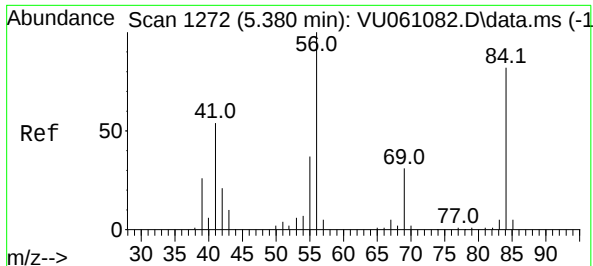
Tgt Ion: 43 Resp: 28245
Ion Ratio Lower Upper
43 100
72 29.3 14.8 44.3



#27
1,2-Dichloroethane
Concen: 0.168 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.019 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Tgt Ion: 62 Resp: 2430
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

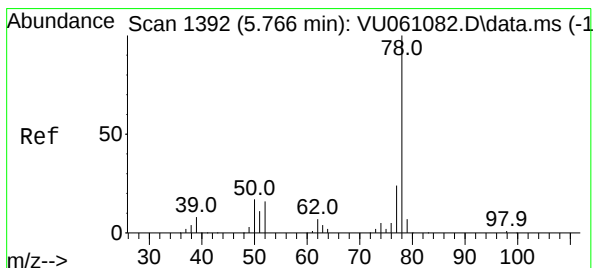
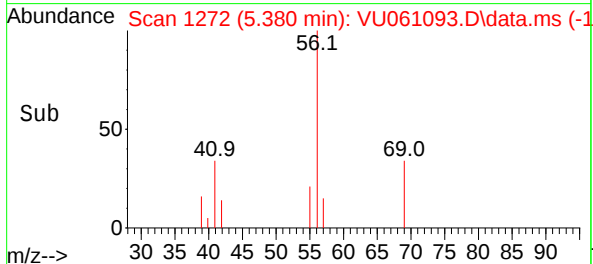
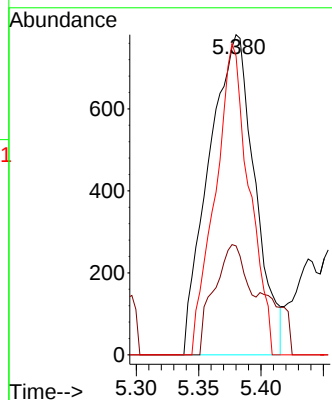
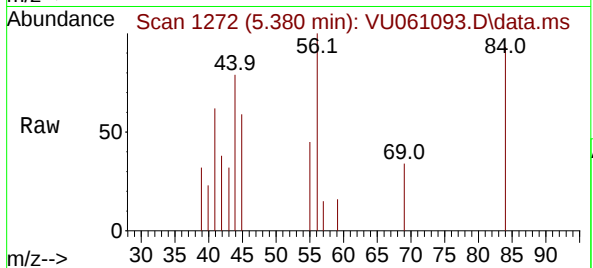




#30
Cyclohexane
Concen: 0.095 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

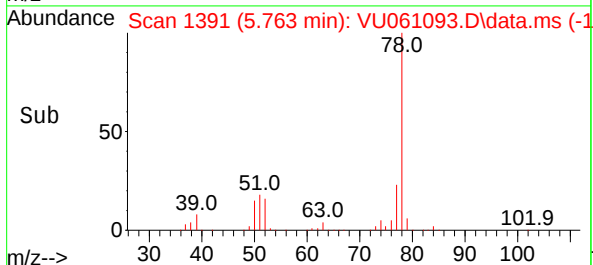
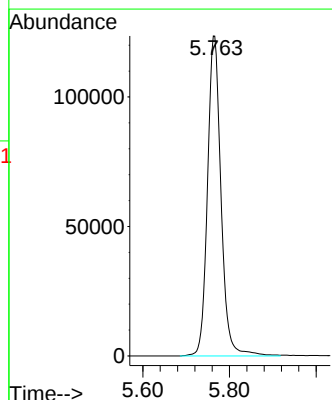
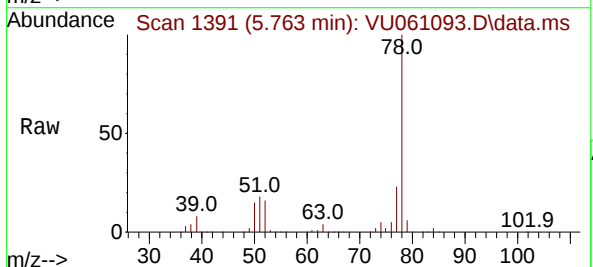
Instrument :
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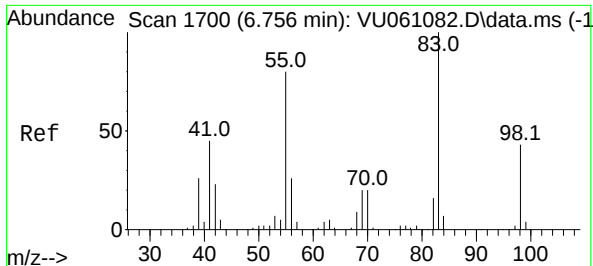
Tgt Ion: 56 Resp: 2004
Ion Ratio Lower Upper
56 100
69 25.7 25.4 38.0
84 71.9 71.0 106.6



#33
Benzene
Concen: 5.578 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Tgt Ion: 78 Resp: 267775





#35

Methylcyclohexane

Concen: 0.093 ug/L

RT: 6.750 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

ClientSampleId :

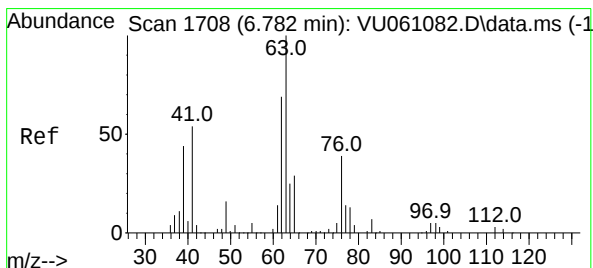
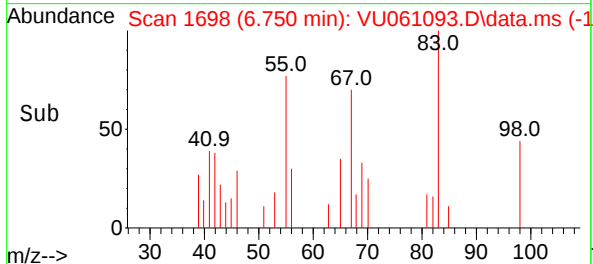
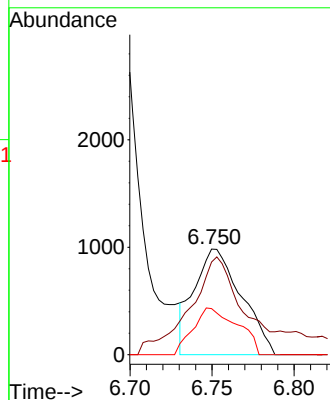
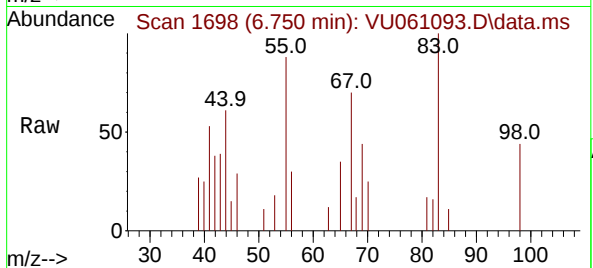
Tgt Ion: 83 Resp: 1965

Ion Ratio Lower Upper

83 100

55 103.6 62.6 94.0#

98 41.7 37.6 56.4



#37

1,2-Dichloropropane

Concen: 0.488 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU061093.D

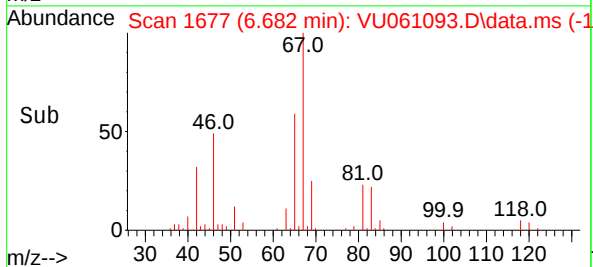
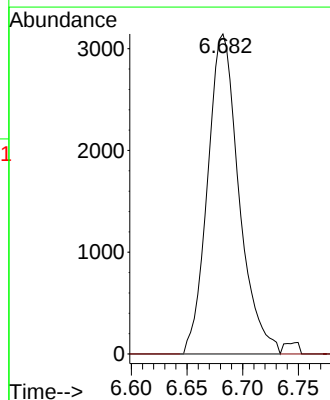
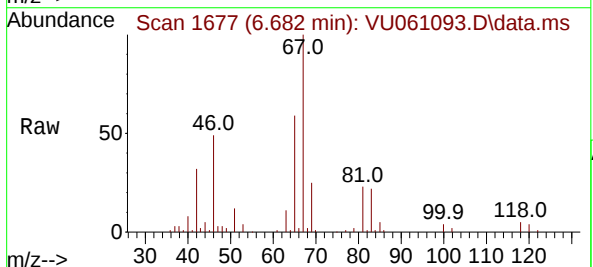
Acq: 10 Oct 2024 16:46

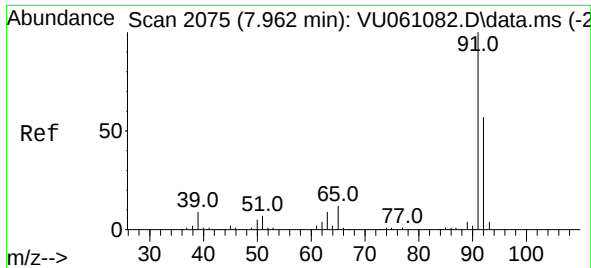
Tgt Ion: 63 Resp: 6169

Ion Ratio Lower Upper

63 100

112 0.8 2.0 3.0#





#42

Toluene

Concen: 3.951 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

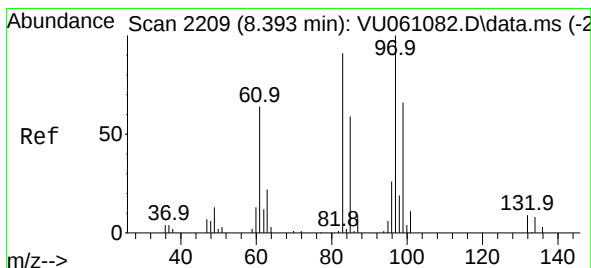
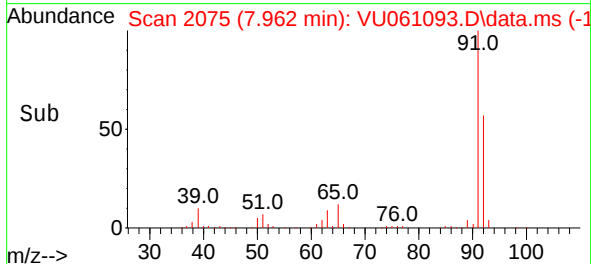
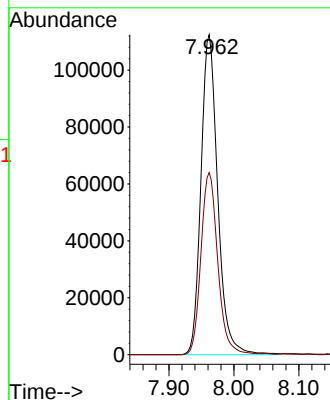
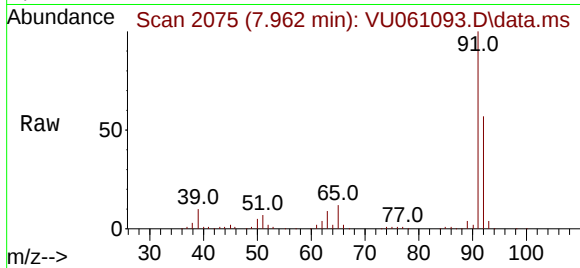
ClientSampleId :

Tgt Ion: 91 Resp: 202086

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.146 ug/L

RT: 8.271 min Scan# 2171

Delta R.T. -0.122 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Tgt Ion: 97 Resp: 1228

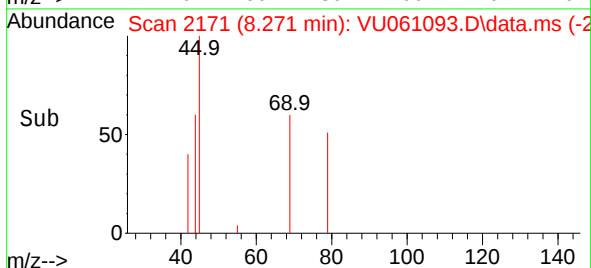
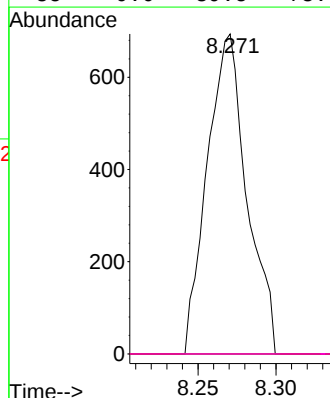
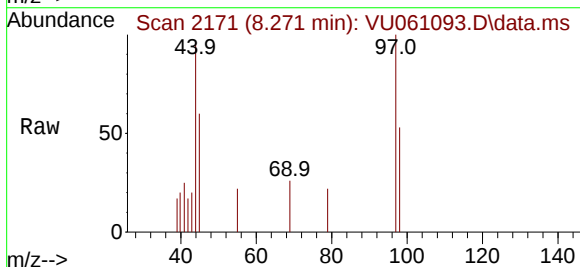
Ion Ratio Lower Upper

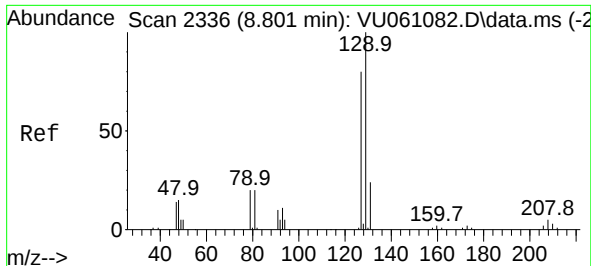
97 100

99 0.0 42.3 78.5#

83 0.0 61.7 114.5#

85 0.0 39.5 73.3#





#49

Dibromochloromethane

Concen: 0.234 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

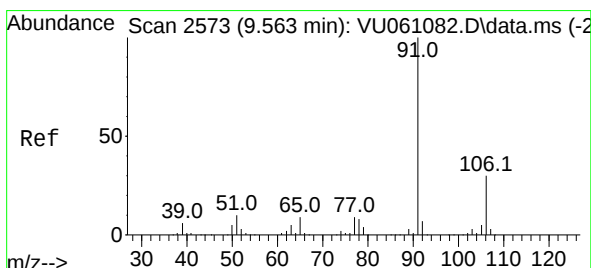
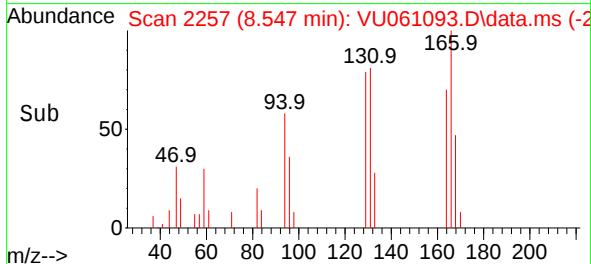
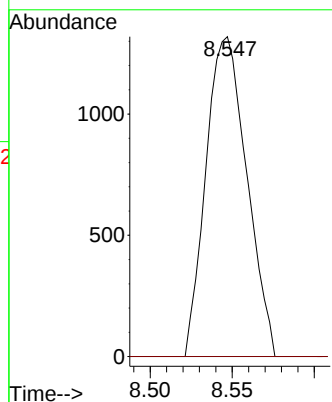
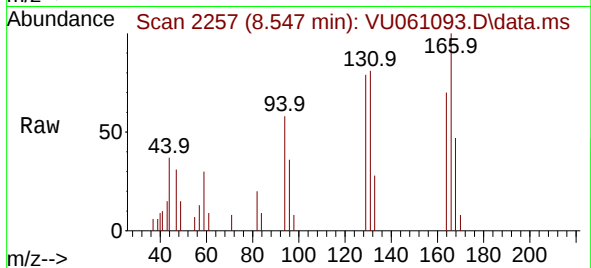
ClientSampleId :

Tgt Ion:129 Resp: 2280

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 0.306 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU061093.D

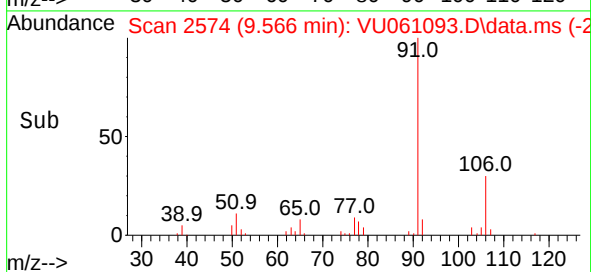
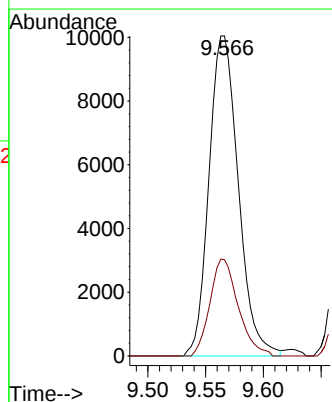
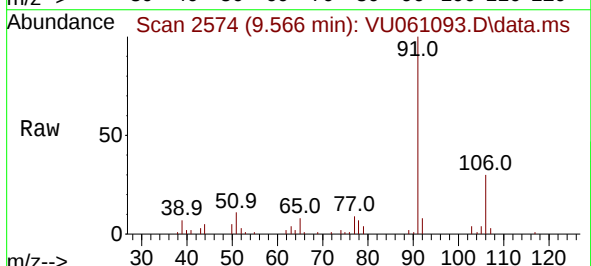
Acq: 10 Oct 2024 16:46

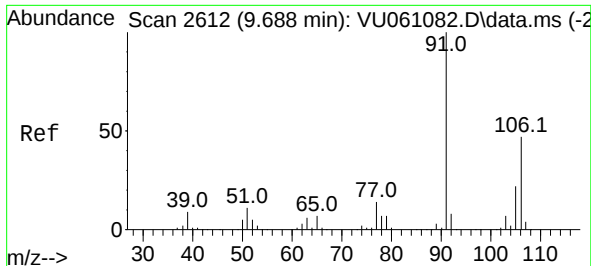
Tgt Ion: 91 Resp: 17741

Ion Ratio Lower Upper

91 100

106 30.1 21.8 40.6

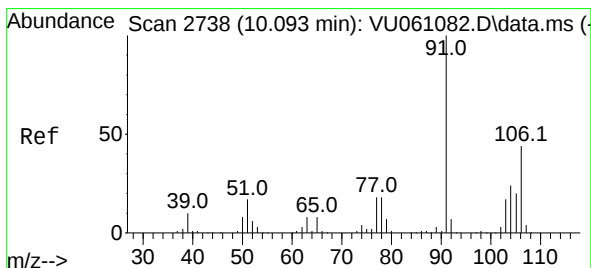
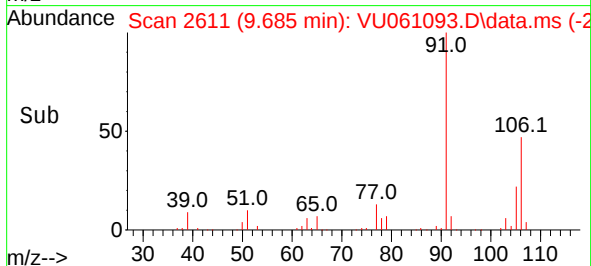
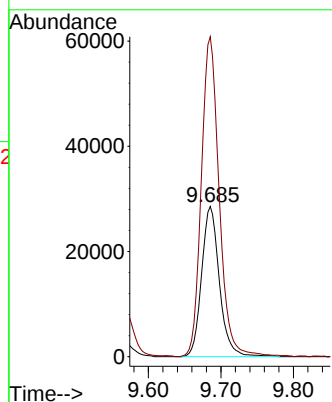
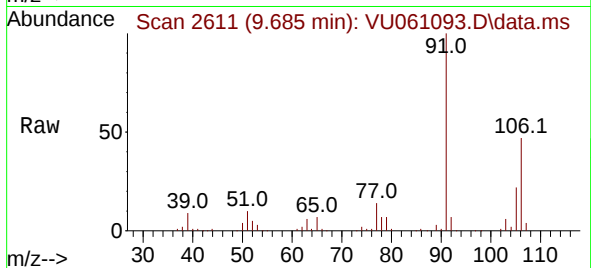




#53
m,p-Xylene
Concen: 2.299 ug/L
RT: 9.685 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

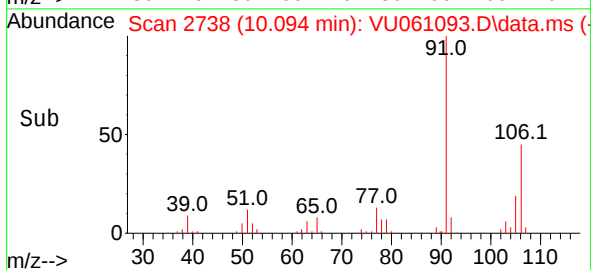
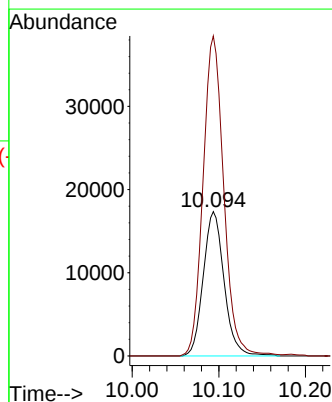
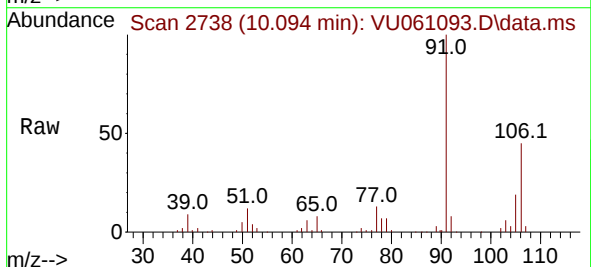
Instrument :
MSVOA_U
ClientSampleId :

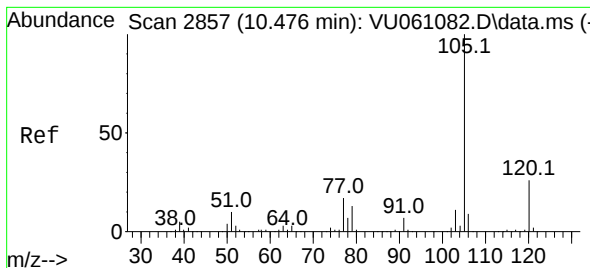
Tgt Ion:106 Resp: 48601
Ion Ratio Lower Upper
106 100
91 213.1 139.7 259.4



#54
o-Xylene
Concen: 1.396 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Tgt Ion:106 Resp: 29047
Ion Ratio Lower Upper
106 100
91 221.6 148.6 276.0





#60

Isopropylbenzene

Concen: 0.316 ug/L

RT: 10.991 min Scan# 3017

Delta R.T. 0.515 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

ClientSampleId :

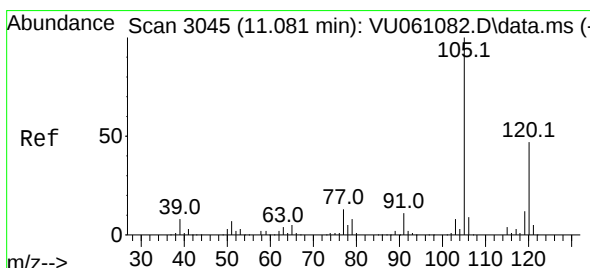
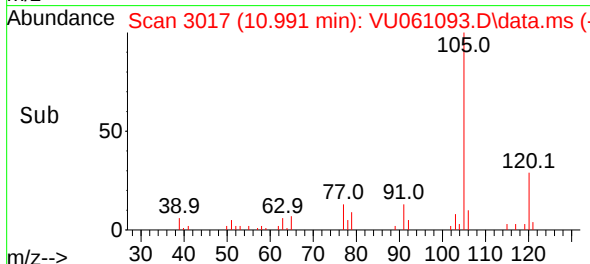
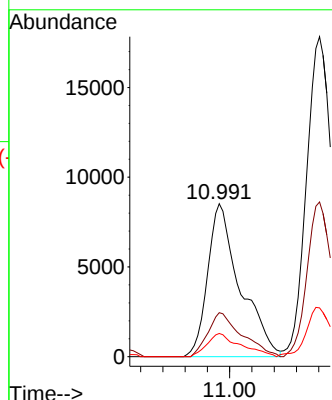
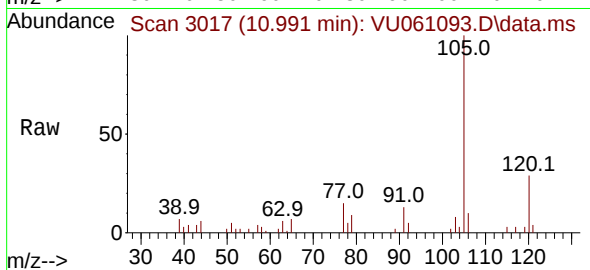
Tgt Ion:105 Resp: 17258

Ion Ratio Lower Upper

105 100

120 30.0 21.5 32.3

77 15.6 12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 0.603 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061093.D

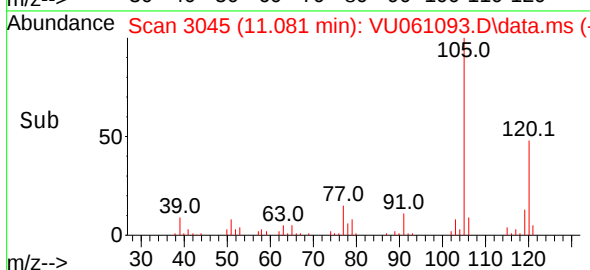
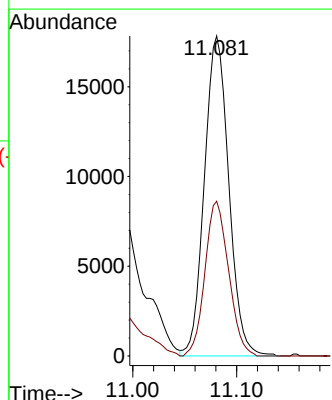
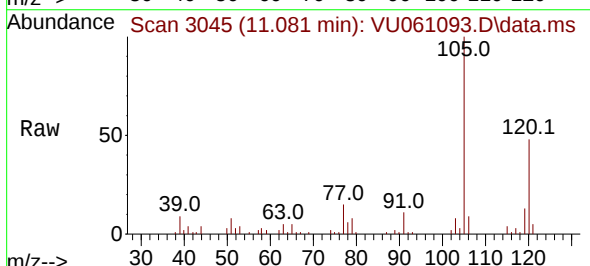
Acq: 10 Oct 2024 16:46

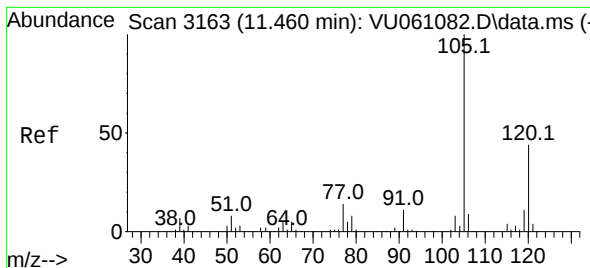
Tgt Ion:105 Resp: 29055

Ion Ratio Lower Upper

105 100

120 46.9 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 1.129 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

Instrument :

MSVOA_U

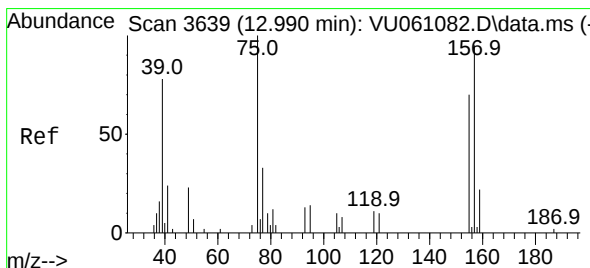
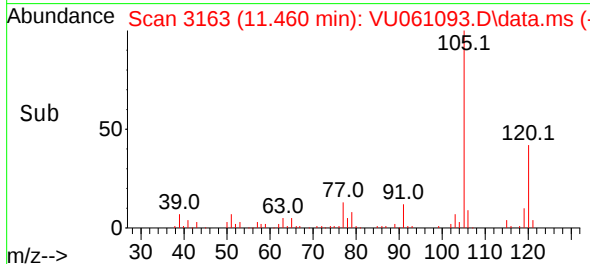
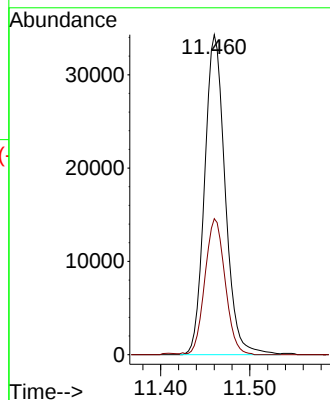
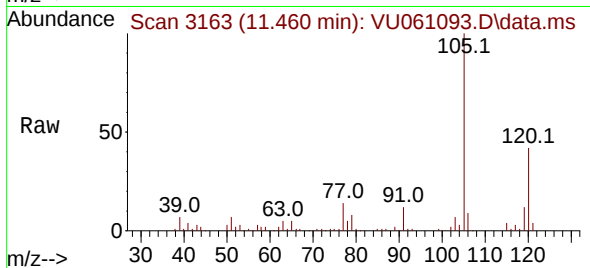
ClientSampleId :

Tgt Ion:105 Resp: 54892

Ion Ratio Lower Upper

105 100

120 41.9 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.381 ug/L

RT: 13.029 min Scan# 3651

Delta R.T. 0.039 min

Lab File: VU061093.D

Acq: 10 Oct 2024 16:46

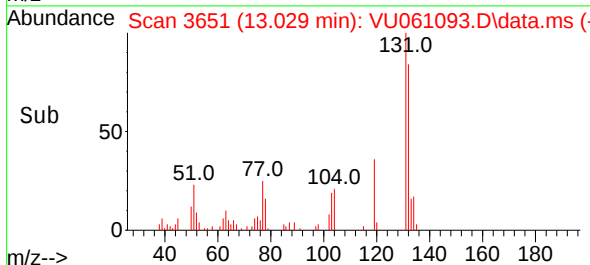
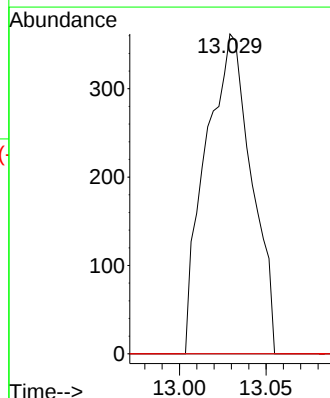
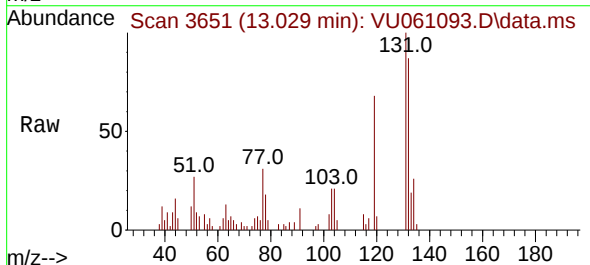
Tgt Ion: 75 Resp: 667

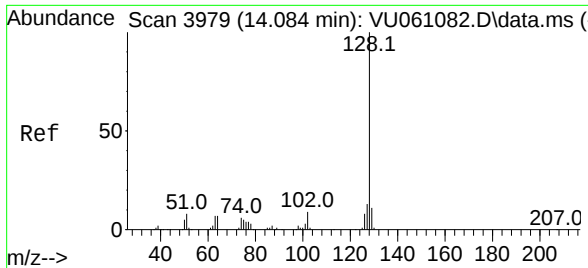
Ion Ratio Lower Upper

75 100

155 0.0 73.1 109.7#

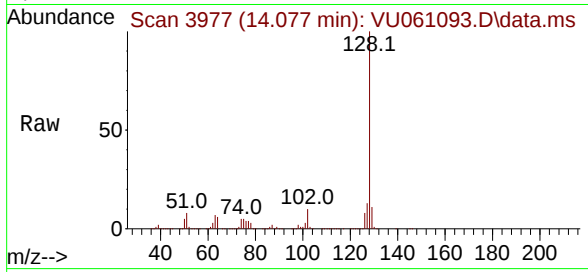
157 0.0 91.0 136.4#





#71
Naphthalene
Concen: 378.660 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061093.D
Acq: 10 Oct 2024 16:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 7822288
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.1 10.7 16.1

